

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW082918\
 Data File : VW005002.D
 Acq On : 29 Aug 2018 14:18
 Operator : SY/AP
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

apatel
 8/30/2018 12:43:44 PM

Quant Time: Aug 30 01:42:25 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082918S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 30 01:20:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	513419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	725661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	723763	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	402024	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	328939	93.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	187.32%	
35) Dibromofluoromethane	7.89	113	344392	95.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	191.54%	
50) Toluene-d8	10.33	98	1972015	99.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	199.78%	
62) 4-Bromofluorobenzene	12.62	95	712468	98.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	197.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	408262	92.046	ug/l	99
3) Chloromethane	2.22	50	595642	94.557	ug/l	99
4) Vinyl Chloride	2.36	62	605284	96.263	ug/l	98
5) Bromomethane	2.77	94	355027	86.379	ug/l	97
6) Chloroethane	2.92	64	356898	95.987	ug/l	99
7) Trichlorofluoromethane	3.26	101	622450	95.741	ug/l	99
8) Diethyl Ether	3.69	74	189693	102.615	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	379090	94.470	ug/l	99
10) Methyl Iodide	4.28	142	643155	117.186	ug/l	99
11) Tert butyl alcohol	5.21	59	117026	558.248	ug/l	100
12) 1,1-Dichloroethene	4.04	96	371564	99.109	ug/l	97
13) Acrolein	3.90	56	160393	535.588	ug/l	99
14) Allyl chloride	4.68	41	602407	104.350	ug/l	99
15) Acrylonitrile	5.39	53	513448	544.649	ug/l	100
16) Acetone	4.14	43	397046	501.323	ug/l	98
17) Carbon Disulfide	4.39	76	1612220	102.308	ug/l	100
18) Methyl Acetate	4.68	43	194151	101.207	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	875841	108.712	ug/l	100
20) Methylene Chloride	4.92	84	541603	81.157	ug/l	99
21) trans-1,2-Dichloroethene	5.43	96	405102	99.515	ug/l	97
22) Diisopropyl ether	6.32	45	1322144	112.191	ug/l	98
23) Vinyl Acetate	6.26	43	3365299	558.538	ug/l	100
24) 1,1-Dichloroethane	6.23	63	698966	98.027	ug/l	100
25) 2-Butanone	7.18	43	634539	513.775	ug/l	100
26) 2,2-Dichloropropane	7.17	77	581692	92.946	ug/l	100
27) cis-1,2-Dichloroethene	7.18	96	444590	100.396	ug/l	99
28) Bromochloromethane	7.52	49	312943	99.811	ug/l	97
29) Tetrahydrofuran	7.54	42	336812	539.846	ug/l	99
30) Chloroform	7.68	83	680376	97.012	ug/l	100
31) Cyclohexane	7.96	56	760743	100.667	ug/l	98
32) 1,1,1-Trichloroethane	7.88	97	629552	97.557	ug/l	99
36) 1,1-Dichloropropene	8.09	75	643711	104.692	ug/l	99
37) Ethyl Acetate	7.26	43	237832	107.314	ug/l	99
38) Carbon Tetrachloride	8.07	117	574126	96.485	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	955426	112.722	ug/l	97
40) Benzene	8.33	78	2037042	103.502	ug/l	100
41) Methacrylonitrile	7.49	41	137798	106.695	ug/l	98
42) 1,2-Dichloroethane	8.41	62	417194	95.263	ug/l	99
43) Isopropyl Acetate	8.43	43	479442	108.720	ug/l	98
44) Trichloroethene	9.10	130	512572	101.963	ug/l	100
45) 1,2-Dichloropropane	9.37	63	461248	102.432	ug/l	99
46) Dibromomethane	9.46	93	206756	97.011	ug/l	99
47) Bromodichloromethane	9.65	83	523313	99.372	ug/l	99
48) Methyl methacrylate	9.44	41	277099	118.346	ug/l	99
49) 1,4-Dioxane	9.48	88	93717	2118.974	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	1822434	551.782	ug/l	100
52) Toluene	10.39	92	1494805	102.372	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	618527	109.977	ug/l	100
54) cis-1,3-Dichloropropene	10.08	75	699124	106.600	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	354492	101.619	ug/l	99
56) Ethyl methacrylate	10.65	69	526179	114.995	ug/l	99
57) 1,3-Dichloropropane	10.94	76	605108	105.414	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	1129958	573.203	ug/l	100
59) 2-Hexanone	10.98	43	1316295	550.439	ug/l	100
60) Dibromochloromethane	11.13	129	408199	106.619	ug/l	99
61) 1,2-Dibromoethane	11.24	107	353123	107.974	ug/l	100
64) Tetrachloroethene	10.87	164	545056	103.290	ug/l	98
65) Chlorobenzene	11.66	112	1641338	103.219	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	473917	108.511	ug/l	99
67) Ethyl Benzene	11.74	91	2936147	107.836	ug/l	100
68) m/p-Xylenes	11.85	106	2376810	214.022	ug/l	99
69) o-Xylene	12.17	106	1115114	109.889	ug/l	100
70) Styrene	12.19	104	1856966	110.315	ug/l	99
71) Bromoform	12.35	173	271839	111.941	ug/l #	99
73) Isopropylbenzene	12.47	105	2974356	110.985	ug/l	100
74) N-amyl acetate	12.28	43	590812	116.821	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	441915	108.907	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	292687m	58.323	ug/l	
77) Bromobenzene	12.75	156	694344	105.596	ug/l	99
78) n-propylbenzene	12.81	91	3640335	110.122	ug/l	99
79) 2-Chlorotoluene	12.90	91	2048105	107.271	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	2605725	110.049	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	147334	116.943	ug/l	99
82) 4-Chlorotoluene	12.99	91	2177339	107.034	ug/l	99
83) tert-Butylbenzene	13.21	119	2221292	111.694	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	2647528	110.200	ug/l	99
85) sec-Butylbenzene	13.39	105	3205072	109.789	ug/l	100
86) p-Isopropyltoluene	13.51	119	2919073	111.611	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1436172	103.029	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	1410717	102.169	ug/l	99
89) n-Butylbenzene	13.83	91	2756109	112.255	ug/l	100
90) Hexachloroethane	14.10	117	448389	109.065	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	1273792	103.808	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	76451	109.089	ug/l	97

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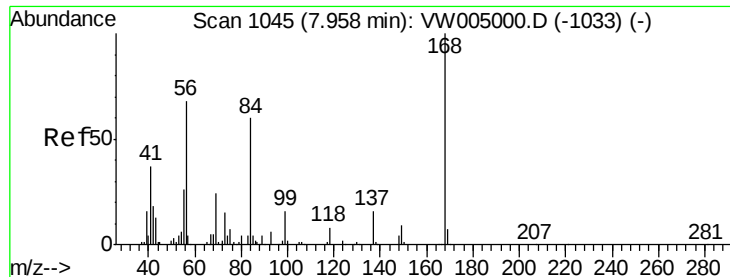
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	936846	108.980	ug/l	99
94) Hexachlorobutadiene	15.24	225	557194	103.547	ug/l	99
95) Naphthalene	15.38	128	1679882	119.111	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	820896	108.094	ug/l	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.96 min Scan# 1045

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:168 Resp: 513419

Ion Ratio Lower Upper

168 100

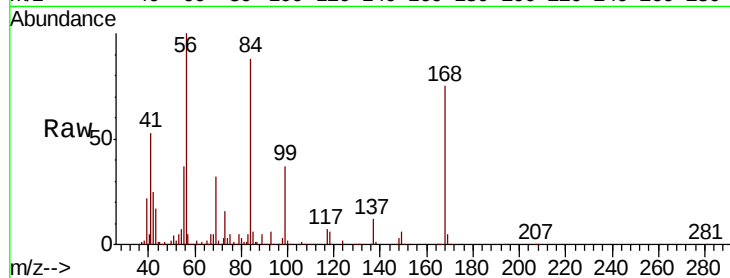
99 49.4 40.2 60.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.96

250000

200000

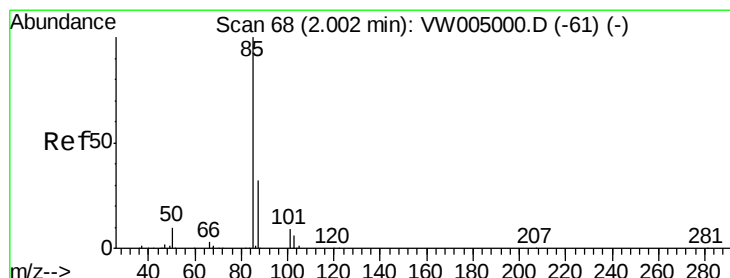
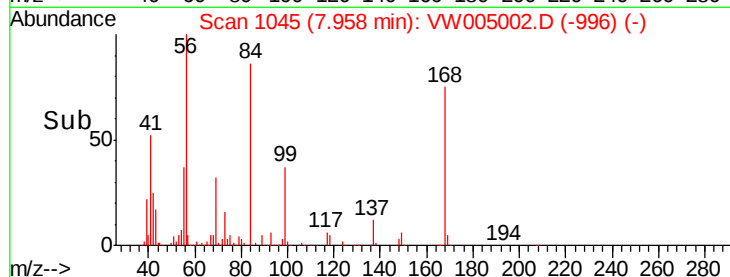
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 92.046 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW005002.D

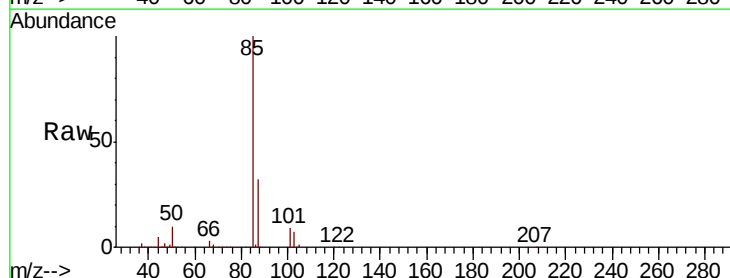
Acq: 29 Aug 2018 14:18

Tgt Ion: 85 Resp: 408262

Ion Ratio Lower Upper

85 100

87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

300000

250000

200000

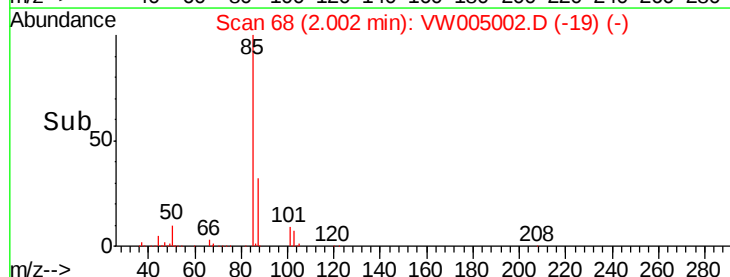
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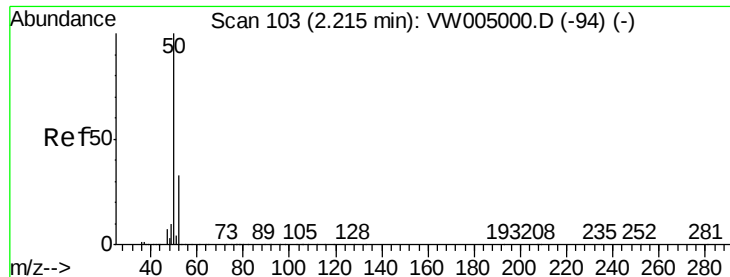
100000

50000

0

Time-->





#3

Chloromethane

Concen: 94.557 ug/l

RT: 2.22 min Scan# 103

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 595642

Ion Ratio Lower Upper

50 100

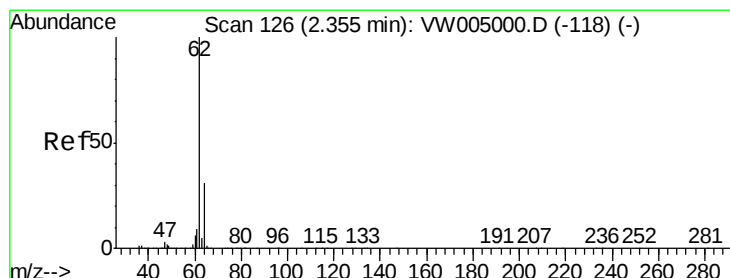
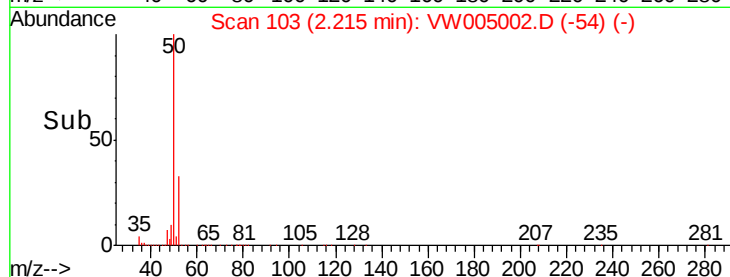
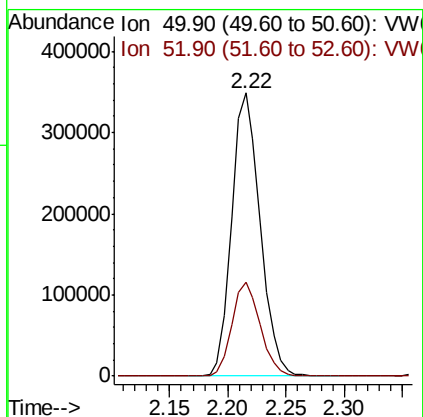
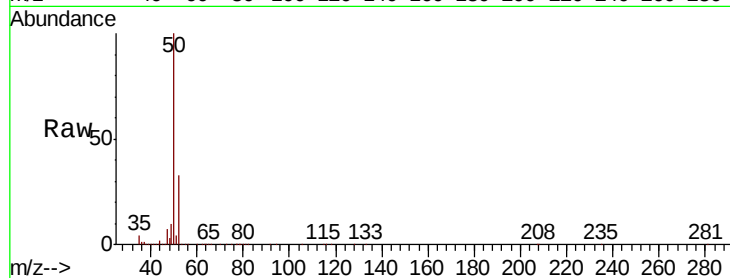
52 33.4 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 96.263 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW005002.D

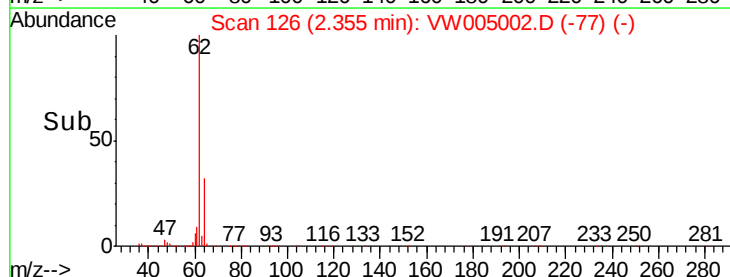
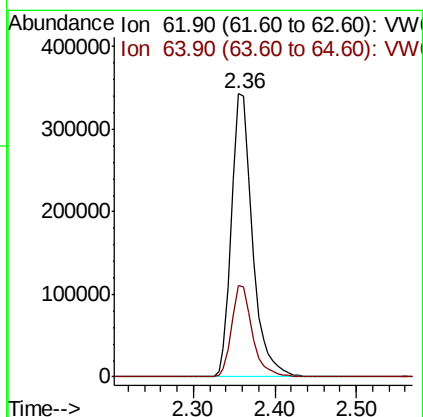
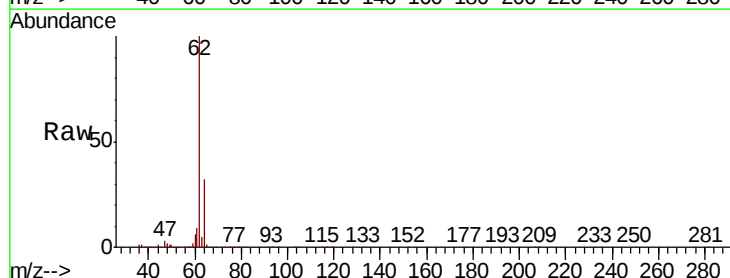
Acq: 29 Aug 2018 14:18

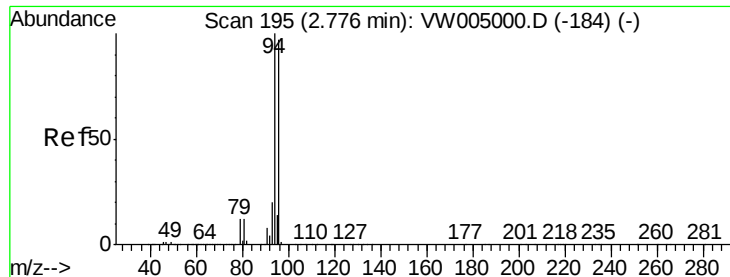
Tgt Ion: 62 Resp: 605284

Ion Ratio Lower Upper

62 100

64 32.1 24.8 37.2





#5

Bromomethane

Concen: 86.379 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.01 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 355027

Ion Ratio Lower Upper

94 100

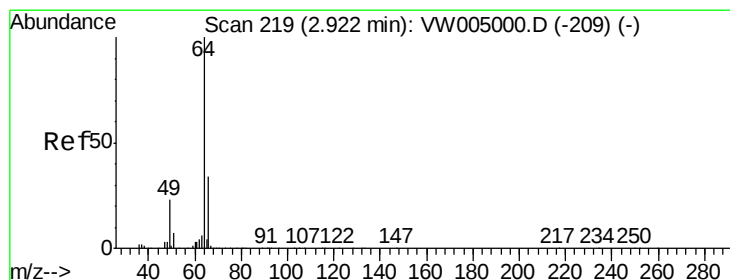
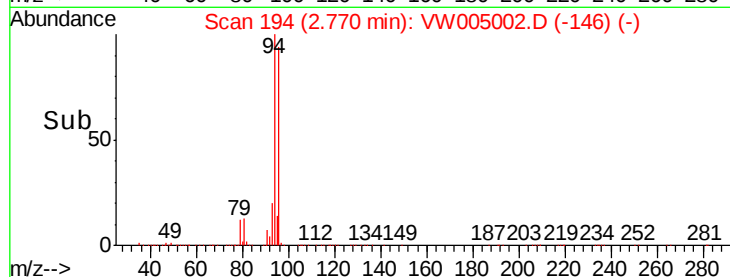
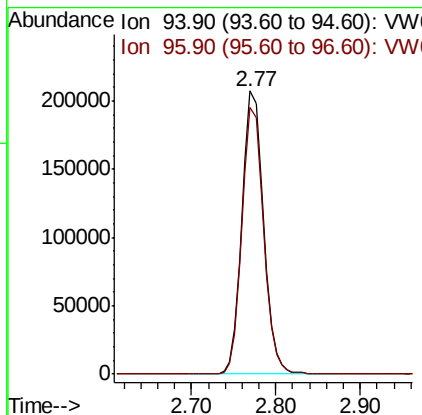
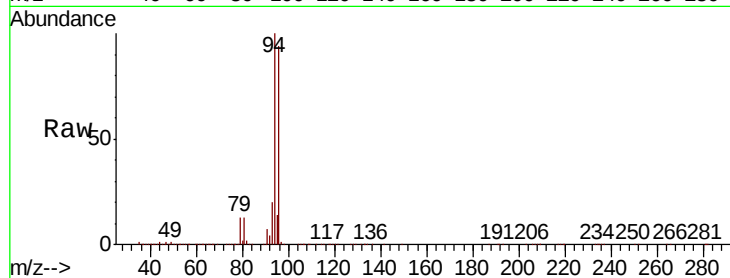
96 94.3 77.5 116.3

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#6

Chloroethane

Concen: 95.987 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.01 min

Lab File: VW005002.D

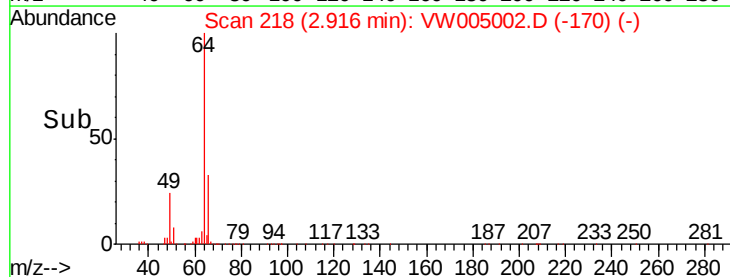
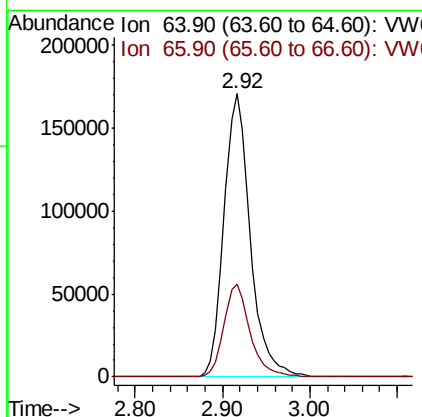
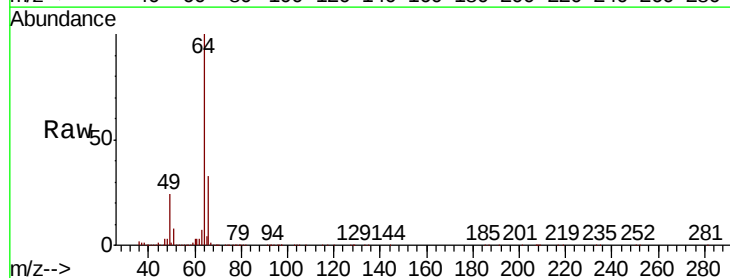
Acq: 29 Aug 2018 14:18

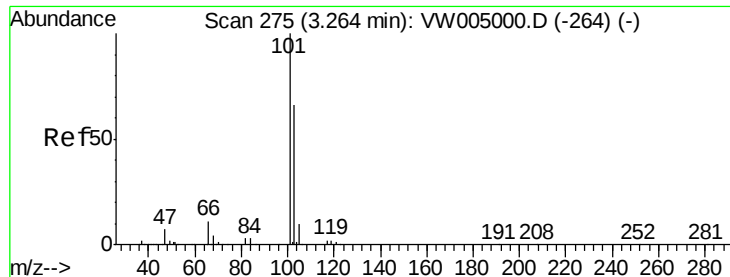
Tgt Ion: 64 Resp: 356898

Ion Ratio Lower Upper

64 100

66 32.7 26.8 40.2





#7

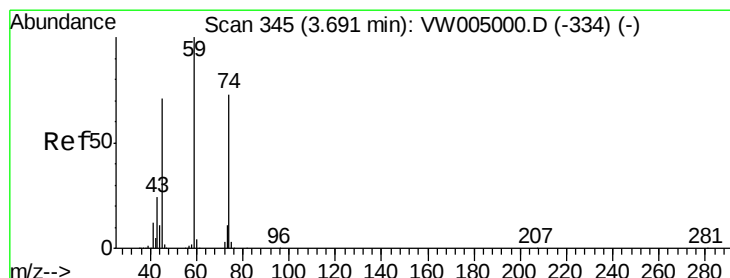
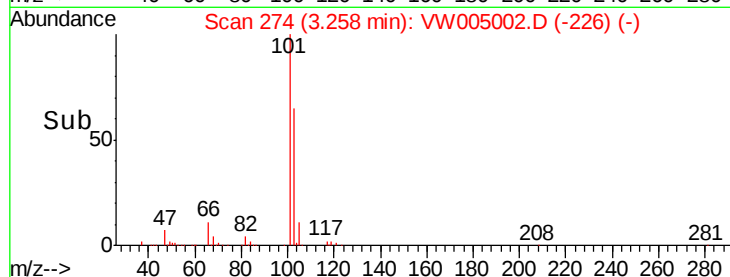
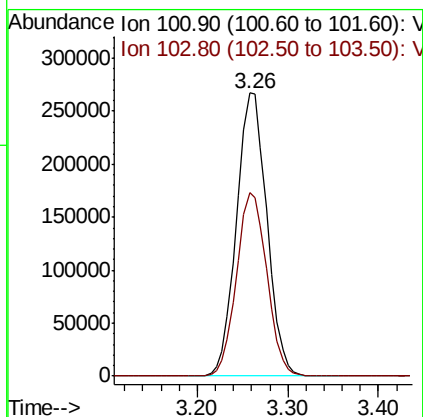
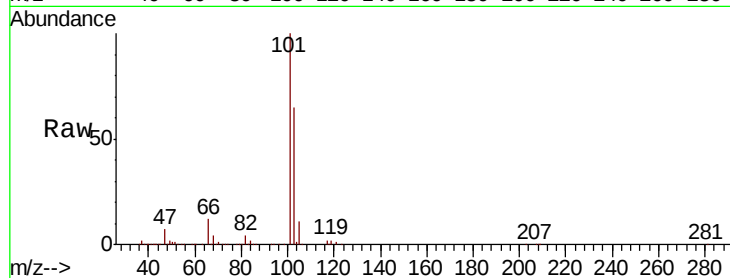
Trichlorofluoromethane
 Concen: 95.741 ug/l
 RT: 3.26 min Scan# 274
 Delta R.T. -0.01 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

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 VSTDIC100

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		622450		
103	64.9	52.6	78.8		

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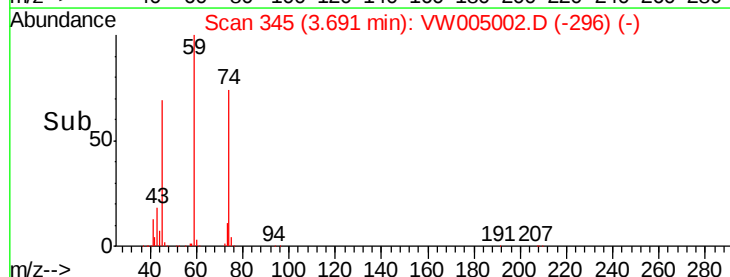
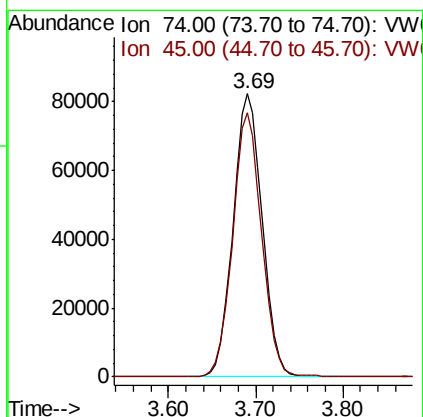
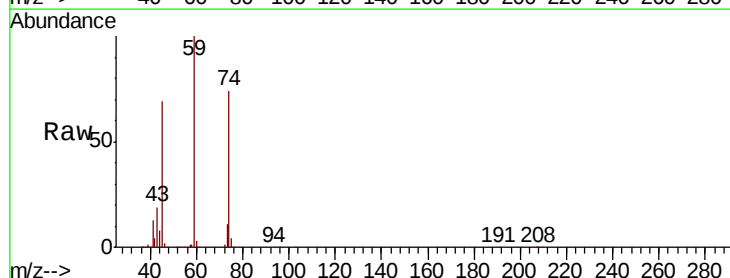
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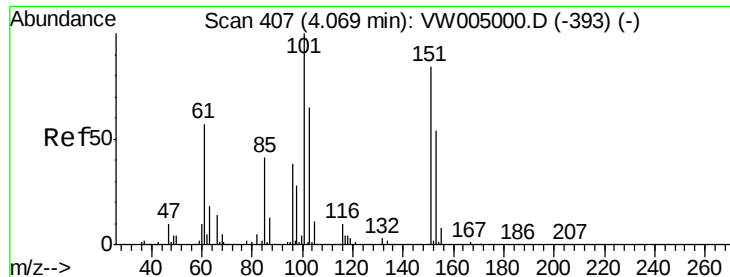


#8

Diethyl Ether
 Concen: 102.615 ug/l
 RT: 3.69 min Scan# 345
 Delta R.T. 0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		189693		
45	93.3	47.8	143.3		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 94.470 ug/l

RT: 4.06 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW005002.D

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Instrument :

MSVOA_W

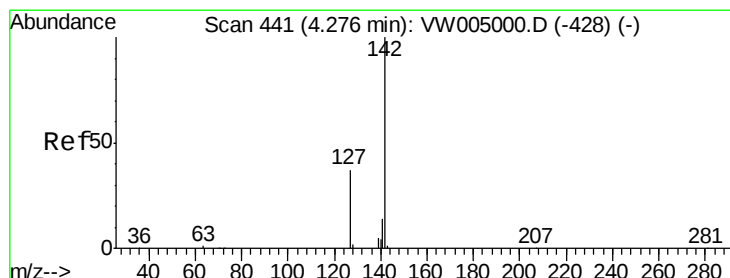
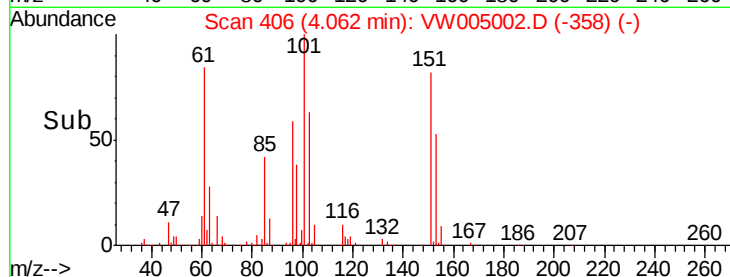
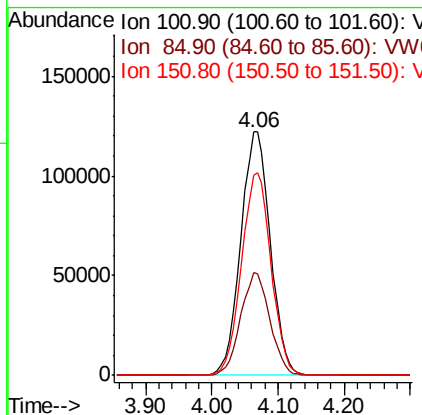
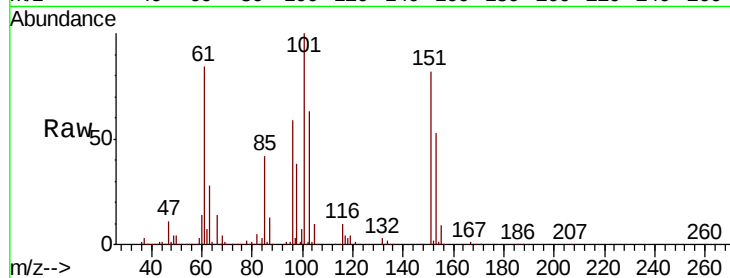
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	379090
Ion Ratio	Lower	Upper	
101	100		
85	41.6	33.4	50.0
151	83.1	67.0	100.4

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#10

Methyl Iodide

Concen: 117.186 ug/l

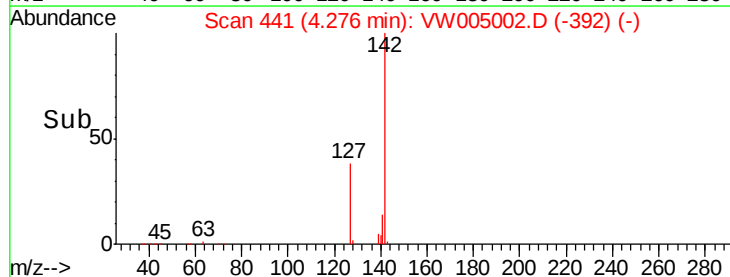
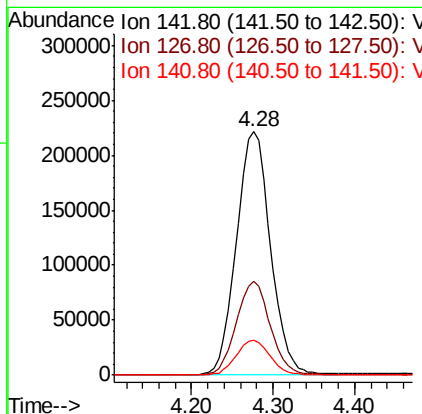
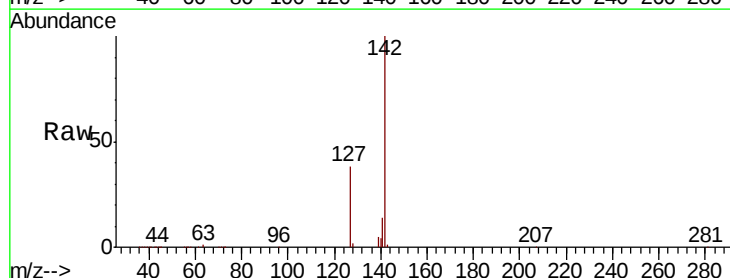
RT: 4.28 min Scan# 441

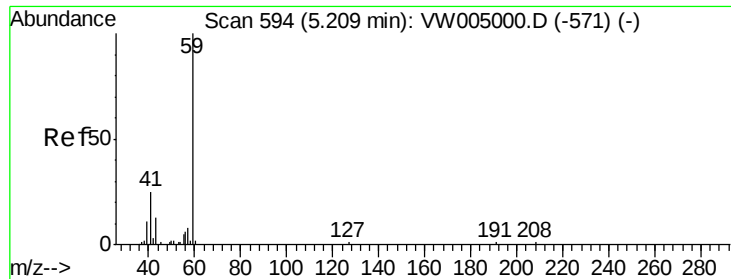
Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Tgt Ion:	142	Resp:	643155
Ion Ratio	Lower	Upper	
142	100		
127	38.4	31.1	46.7
141	14.3	11.4	17.2





#11

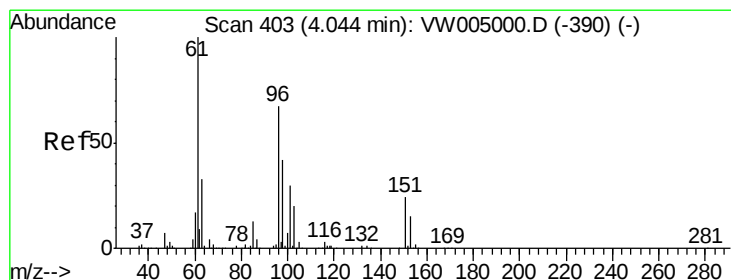
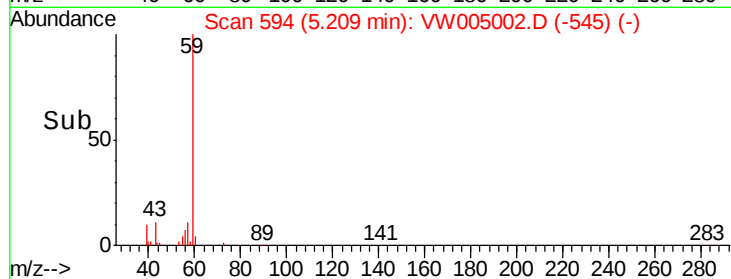
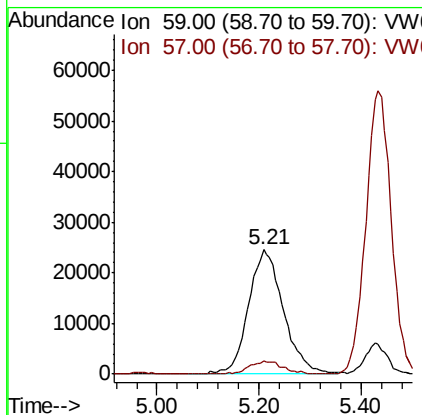
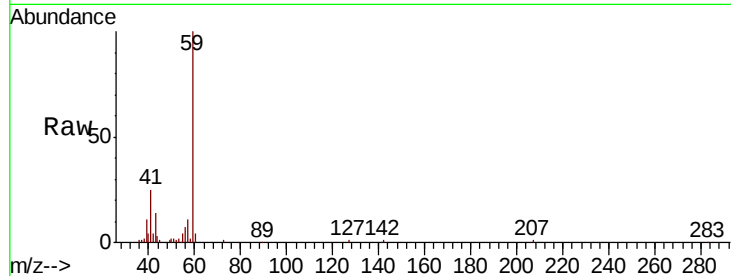
Tert butyl alcohol
 Concen: 558.248 ug/l
 RT: 5.21 min Scan# 594
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	59	Resp	117026
Ion Ratio	100	Lower	Upper
57	10.3	8.1	12.1

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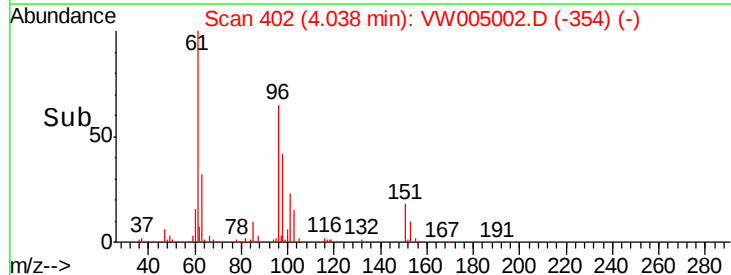
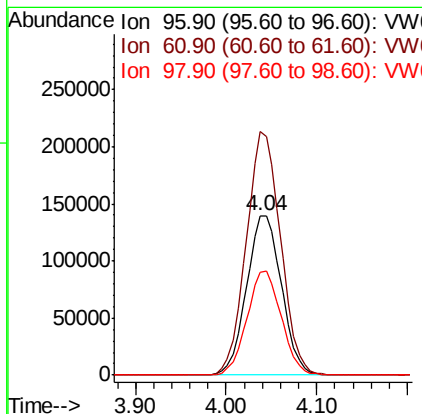
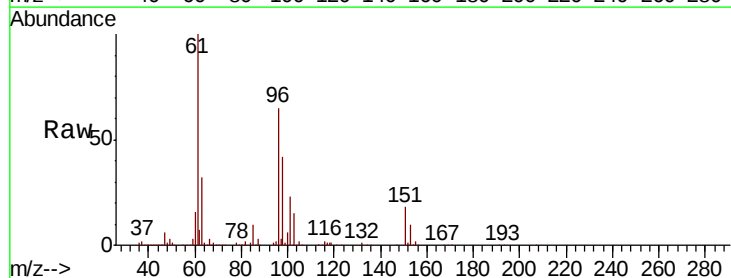
apatel
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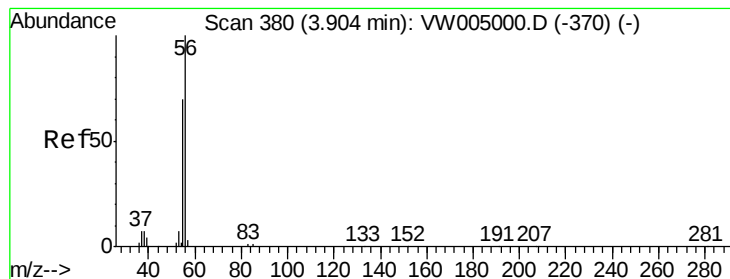


#12

1,1-Dichloroethene
 Concen: 99.109 ug/l
 RT: 4.04 min Scan# 402
 Delta R.T. -0.01 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion	96	Resp	371564
Ion Ratio	100	Lower	Upper
61	152.9	119.5	179.3
98	64.6	50.4	75.6





#13

Acrolein

Concen: 535.588 ug/l

RT: 3.90 min Scan# 380

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 160393

Ion Ratio Lower Upper

56 100

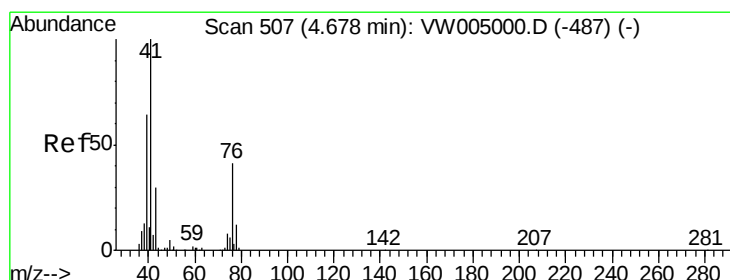
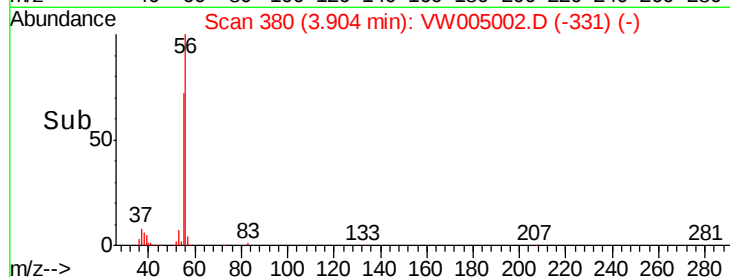
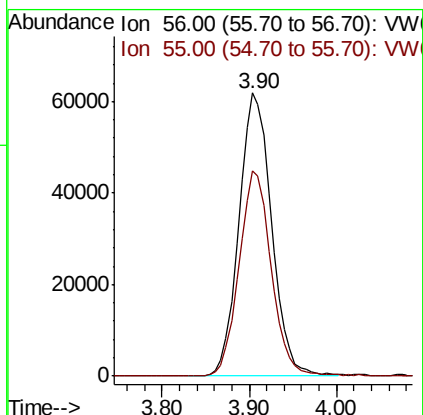
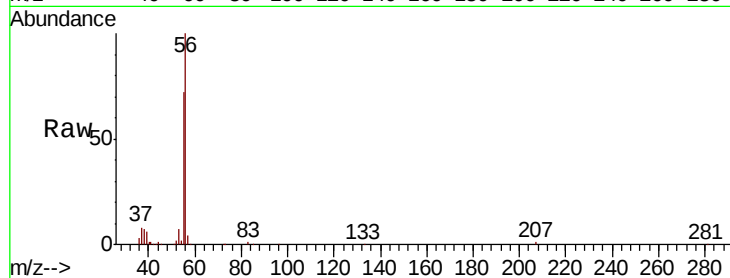
55 71.6 56.4 84.6

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#14

Allyl chloride

Concen: 104.350 ug/l

RT: 4.68 min Scan# 507

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

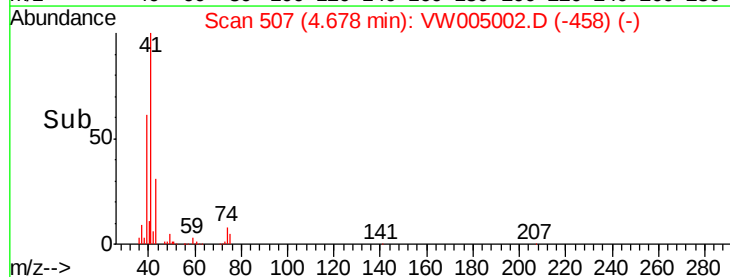
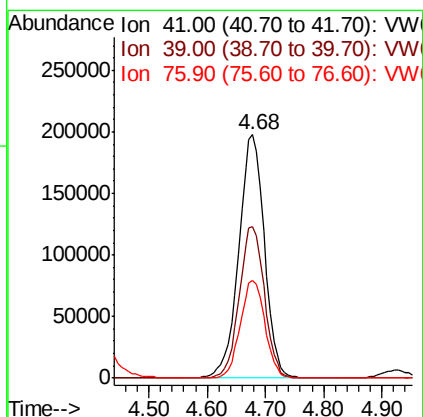
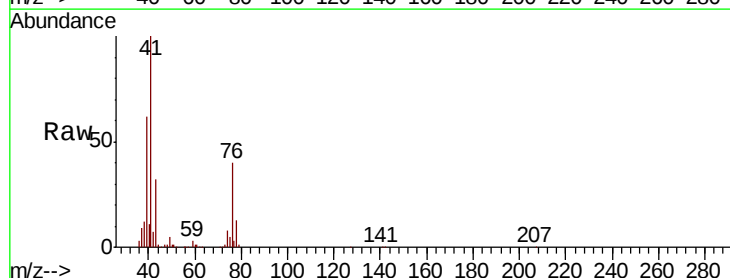
Tgt Ion: 41 Resp: 602407

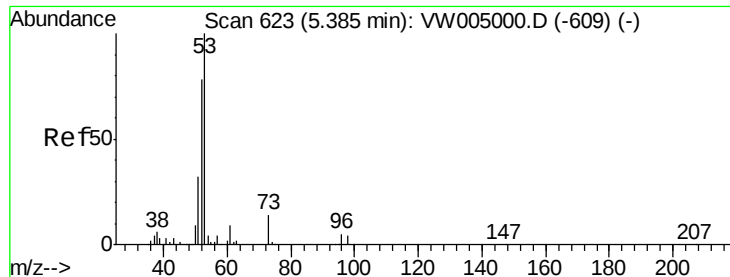
Ion Ratio Lower Upper

41 100

39 61.3 49.4 74.2

76 38.4 31.4 47.2





#15

Acrylonitrile

Concen: 544.649 ug/l

RT: 5.39 min Scan# 623

Delta R.T. 0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

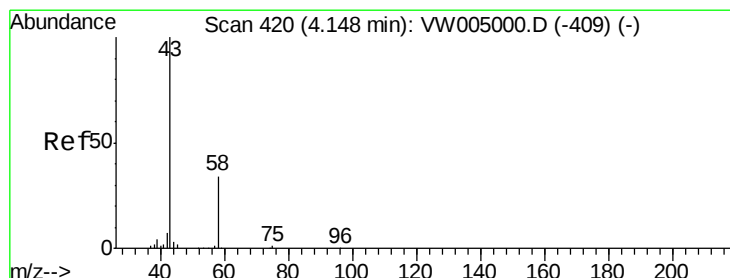
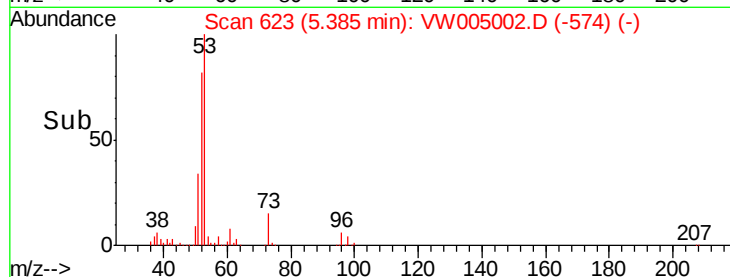
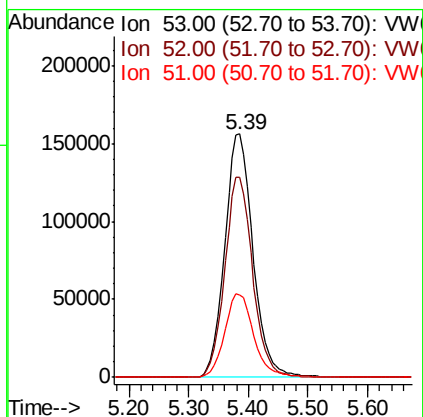
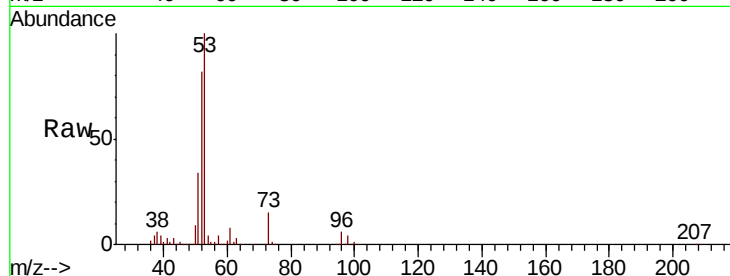
ClientSampled :

VSTDIC100

Tot Ion:	53	Resp:	513448
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.0	97.6
51	35.5	28.6	43.0

Manual Integrations
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#16

Acetone

Concen: 501.323 ug/l

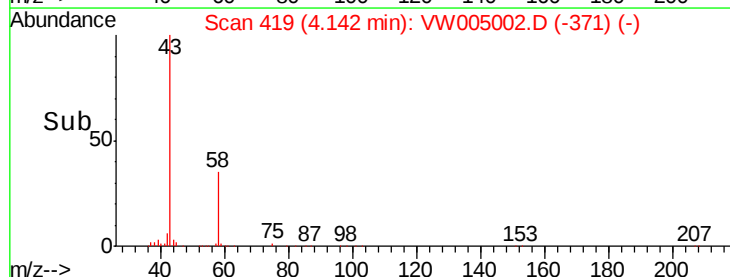
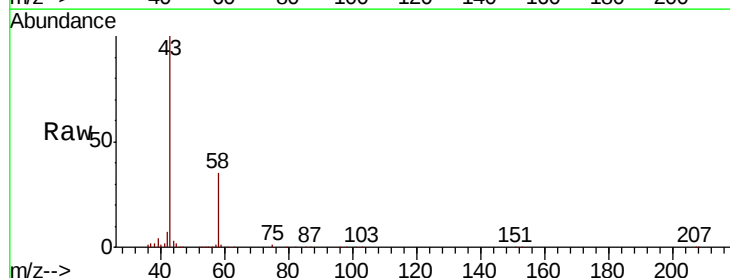
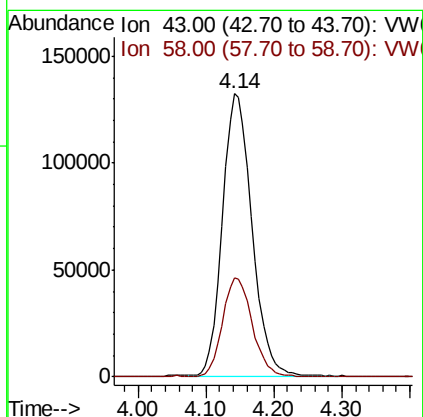
RT: 4.14 min Scan# 419

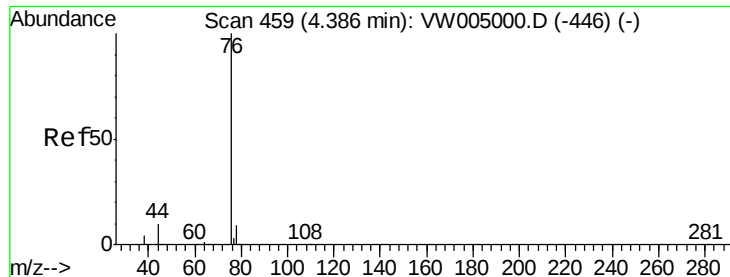
Delta R.T. -0.01 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Tgt Ion:	43	Resp:	397046
Ion Ratio	Lower	Upper	
43	100		
58	35.2	27.2	40.8





#17

Carbon Disulfide

Concen: 102.308 ug/l

RT: 4.39 min Scan# 459

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 1612220

Ion Ratio Lower Upper

76 100

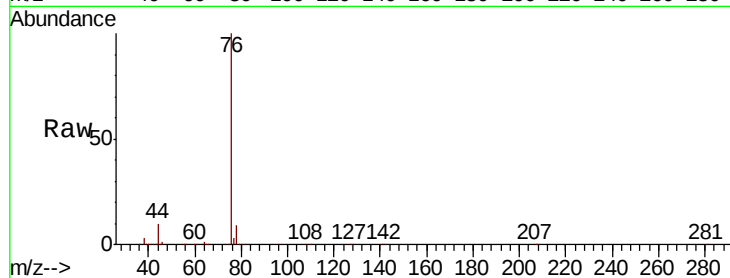
78 9.1 7.4 11.2

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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW

4.39

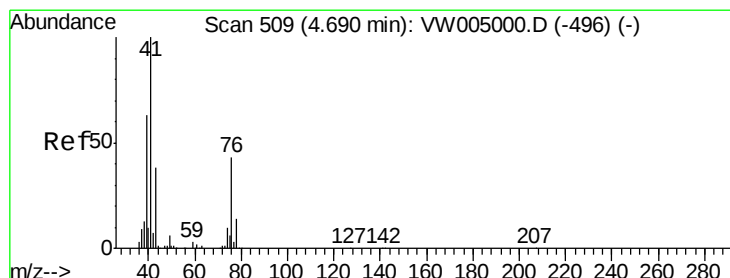
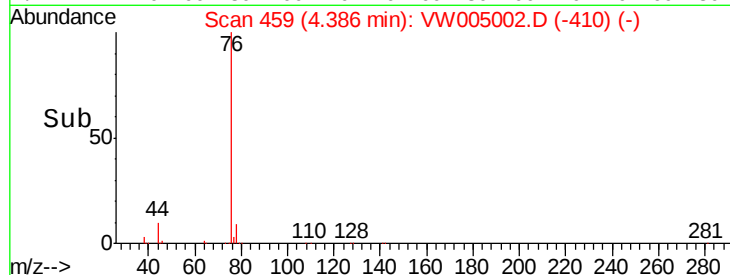
600000

400000

200000

0

Time-->



#18

Methyl Acetate

Concen: 101.207 ug/l

RT: 4.68 min Scan# 508

Delta R.T. -0.01 min

Lab File: VW005002.D

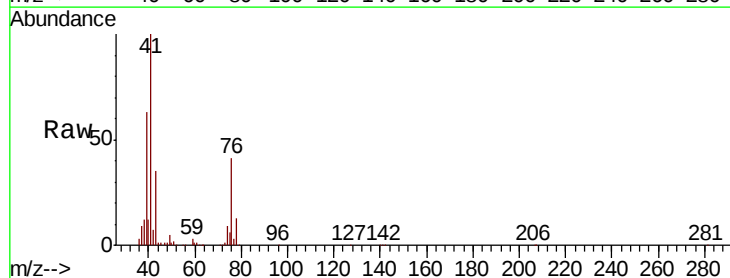
Acq: 29 Aug 2018 14:18

Tgt Ion: 43 Resp: 194151

Ion Ratio Lower Upper

43 100

74 26.0 20.3 30.5



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW

4.68

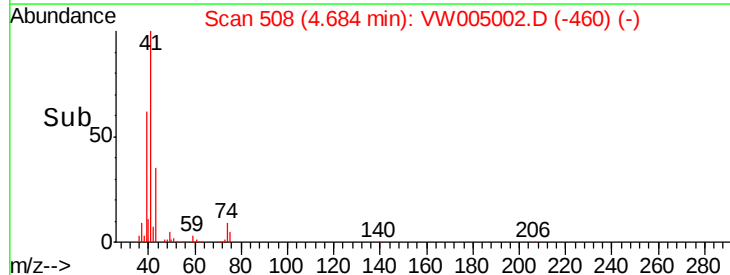
60000

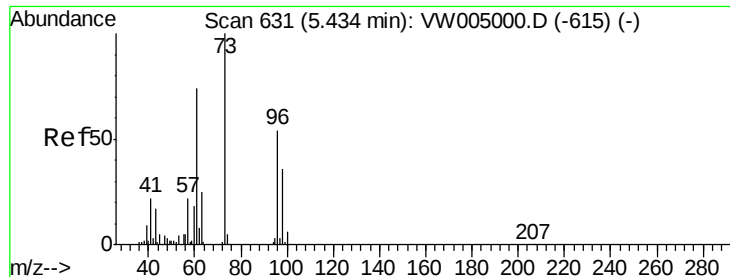
40000

20000

0

Time-->





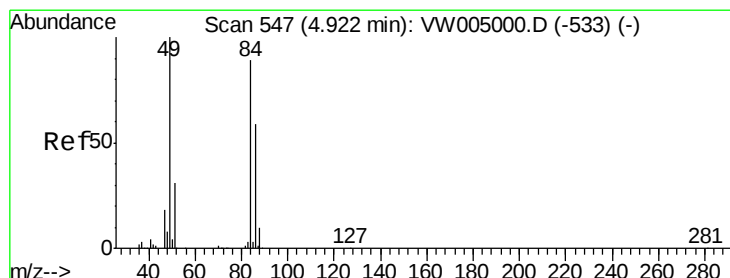
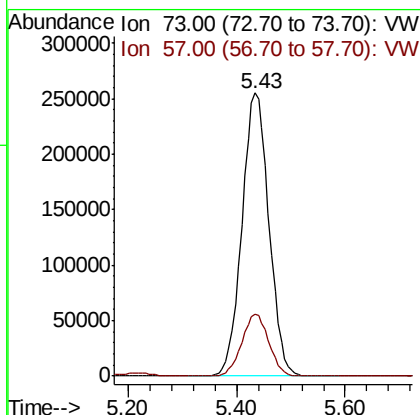
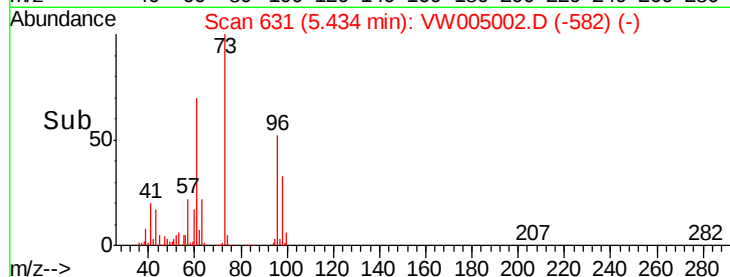
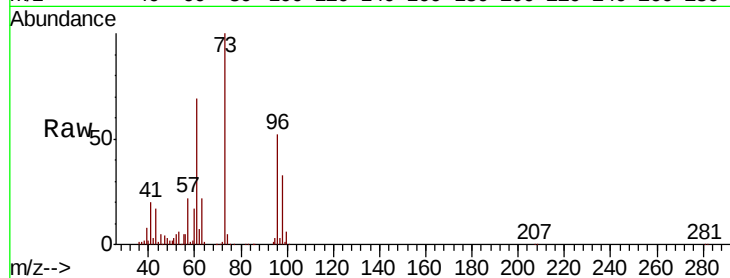
#19
Methyl tert-butyl Ether
Concen: 108.712 ug/l
RT: 5.43 min Scan# 631
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.6	26.4

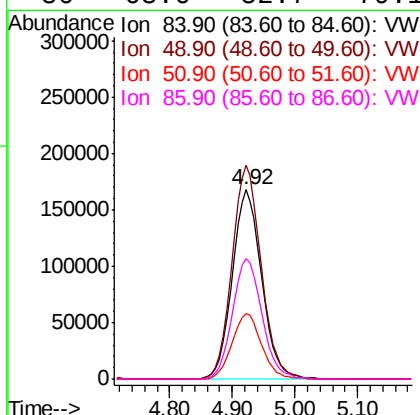
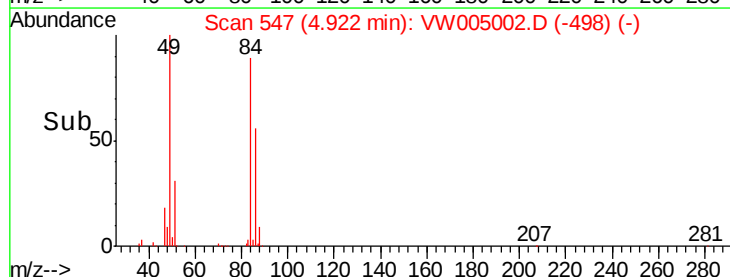
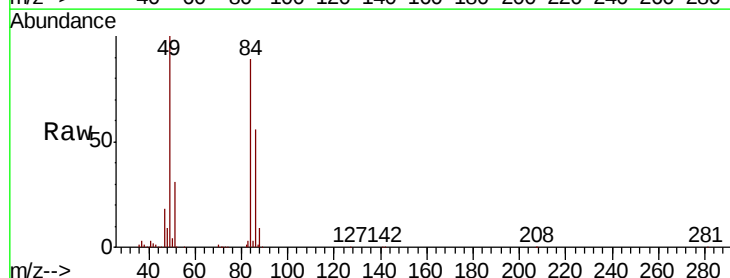
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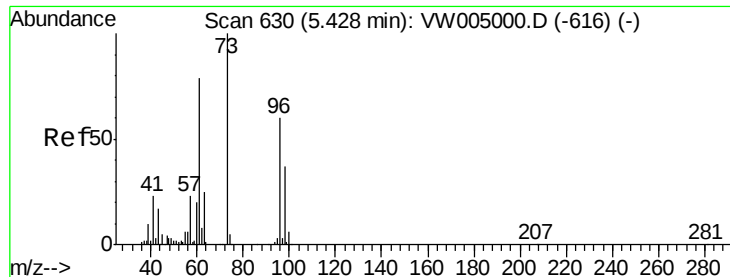
apatel
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#20
Methylene Chloride
Concen: 81.157 ug/l
RT: 4.92 min Scan# 547
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
84	100		
49	112.9	89.7	134.5
51	34.6	27.5	41.3
86	63.6	52.7	79.1





#21

trans-1,2-Dichloroethene

Concen: 99.515 ug/l

RT: 5.43 min Scan# 630

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

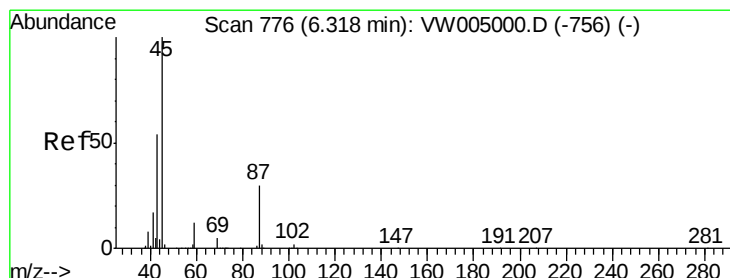
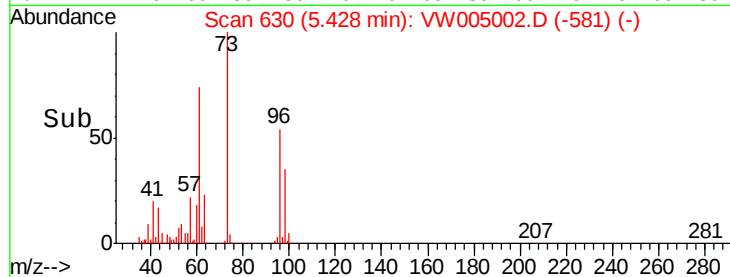
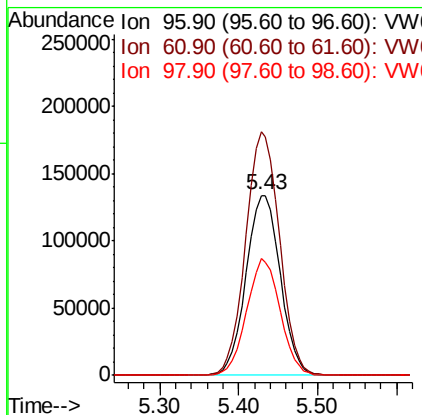
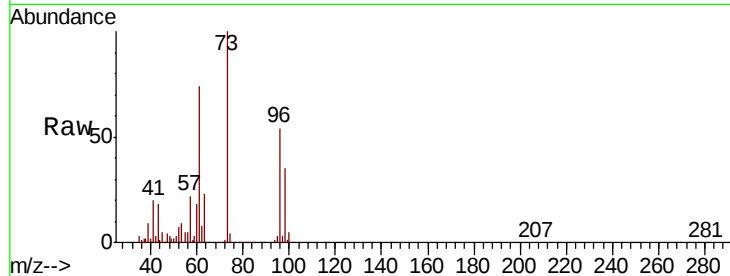
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	405102
Ion	Ratio	Lower	Upper
96	100		
61	135.4	106.2	159.2
98	65.3	49.5	74.3

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#22

Diisopropyl ether

Concen: 112.191 ug/l

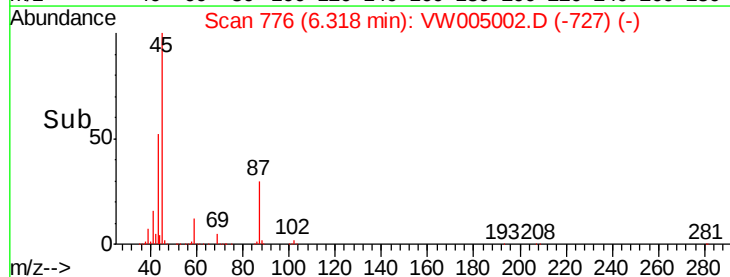
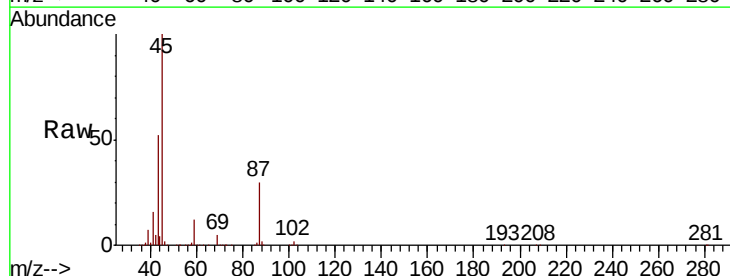
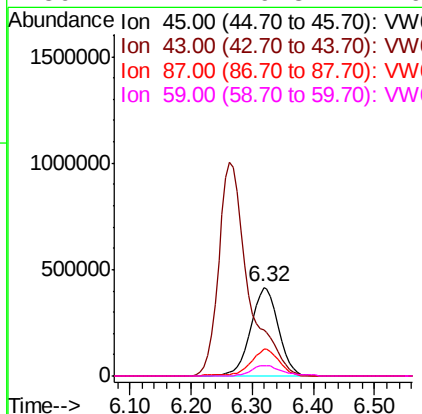
RT: 6.32 min Scan# 776

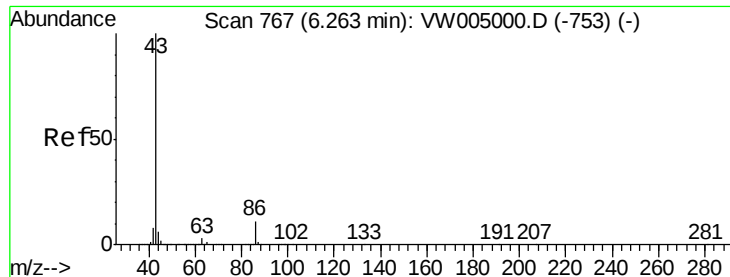
Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Tgt Ion:	45	Resp:	1322144
Ion	Ratio	Lower	Upper
45	100		
43	51.7	43.5	65.3
87	29.7	23.8	35.8
59	12.1	9.8	14.6





#23

Vinyl Acetate

Concen: 558.538 ug/l

RT: 6.26 min Scan# 767

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Tot Ion: 43 Resp: 3365299

Ion Ratio Lower Upper

43 100

86 11.2 9.0 13.6

Instrument :

MSVOA_W

ClientSampled :

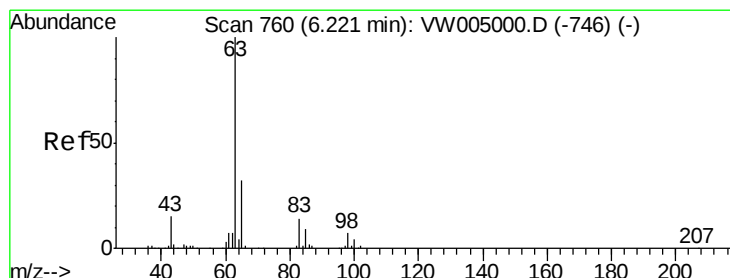
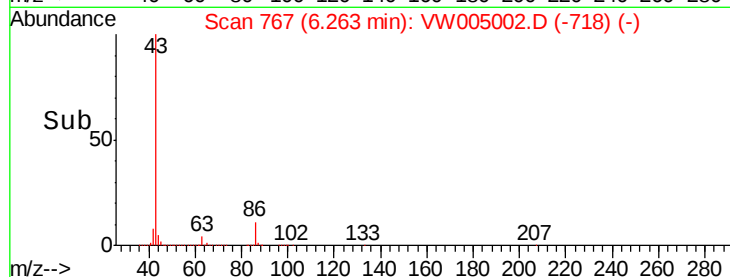
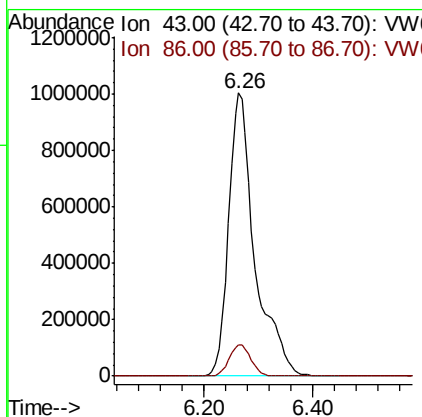
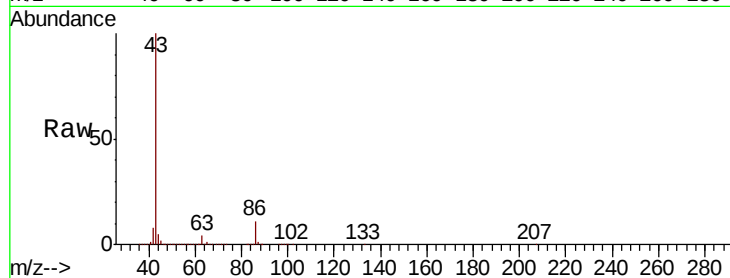
VSTDIC100

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#24

1,1-Dichloroethane

Concen: 98.027 ug/l

RT: 6.23 min Scan# 761

Delta R.T. 0.01 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

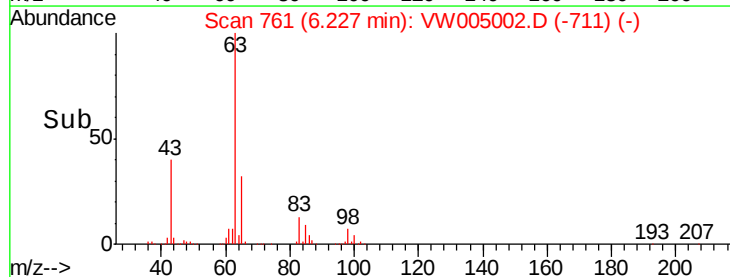
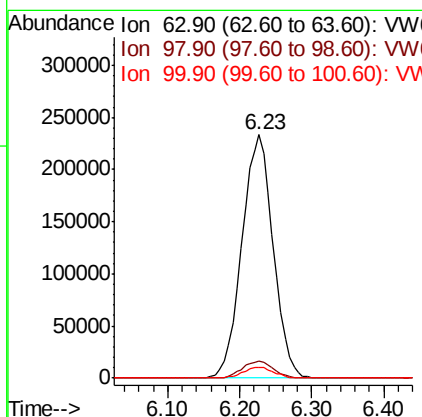
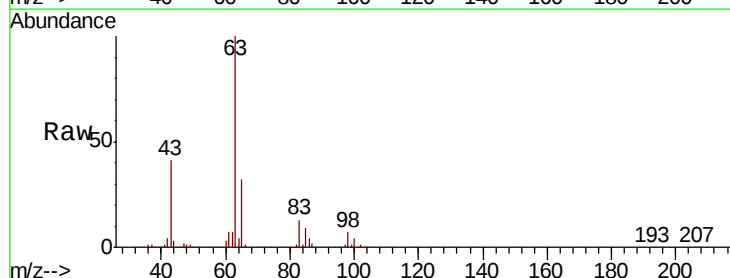
Tgt Ion: 63 Resp: 698966

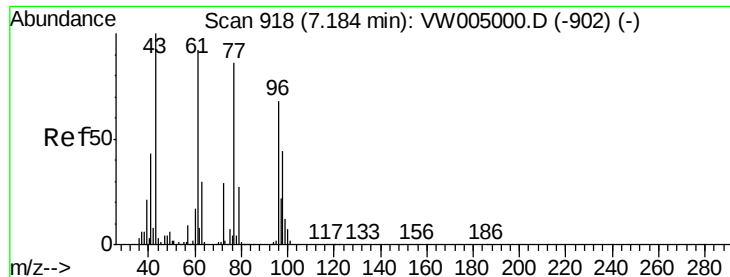
Ion Ratio Lower Upper

63 100

98 6.8 3.4 10.2

100 4.5 2.2 6.6





#25

2-Butanone

Concen: 513.775 ug/l

RT: 7.18 min Scan# 918

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 634539

Ion Ratio Lower Upper

43 100

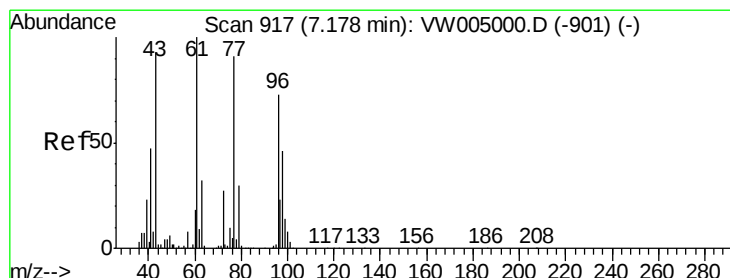
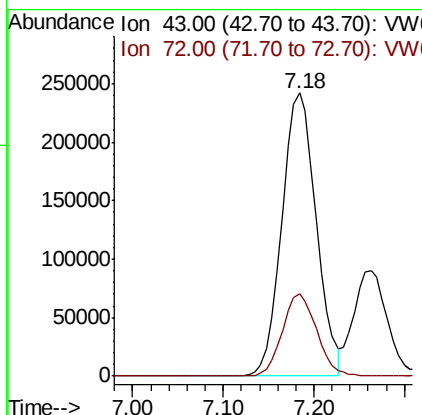
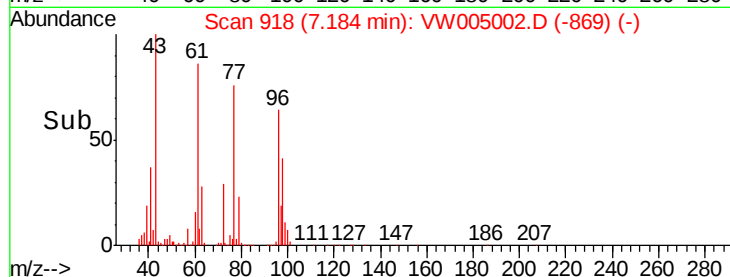
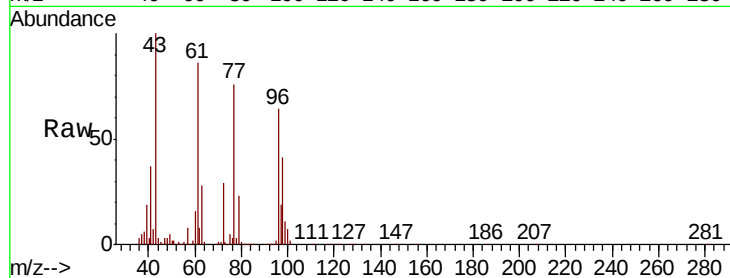
72 29.3 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 92.946 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.01 min

Lab File: VW005002.D

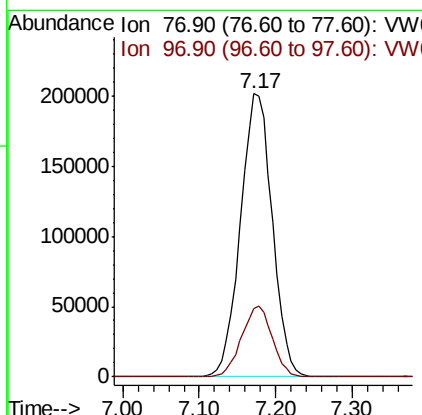
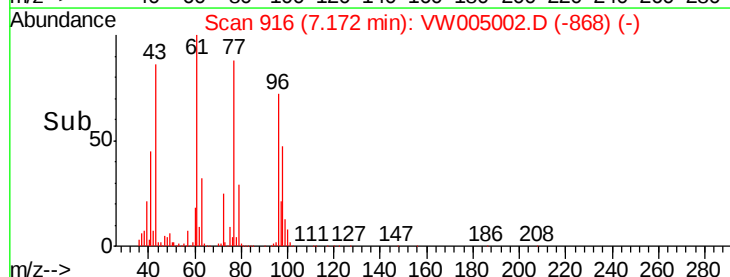
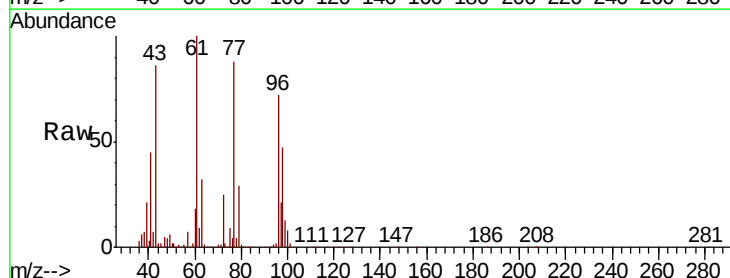
Acq: 29 Aug 2018 14:18

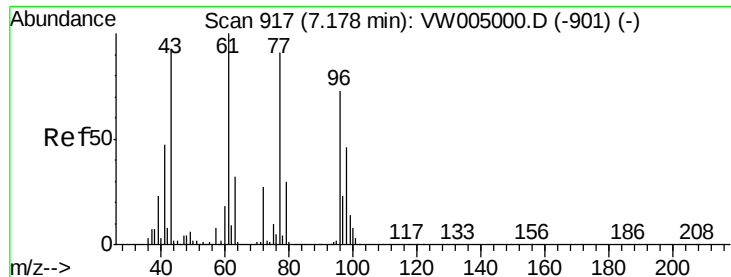
Tgt Ion: 77 Resp: 581692

Ion Ratio Lower Upper

77 100

97 24.2 12.2 36.4





#27

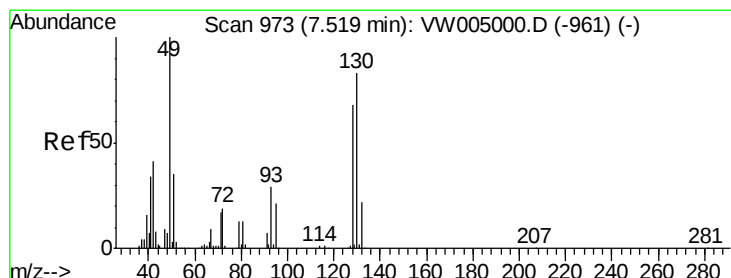
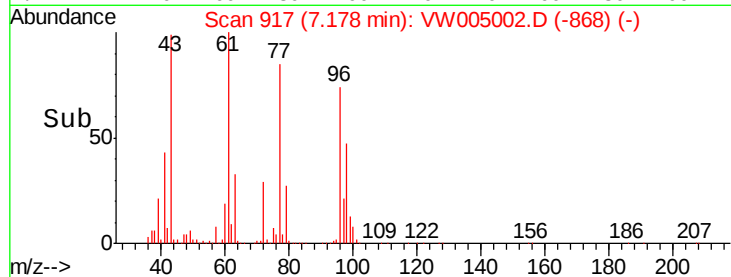
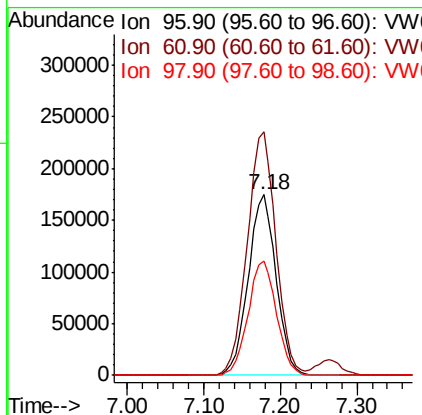
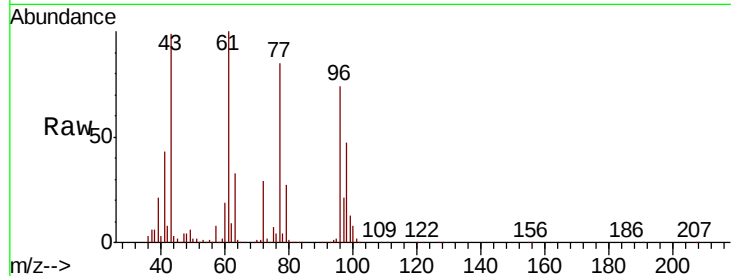
cis-1,2-Dichloroethene
 Concen: 100.396 ug/l
 RT: 7.18 min Scan# 917
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	444590		
61	138.4		0.0	281.6
98	64.4		0.0	129.0

Manual Integrations
 APPROVED

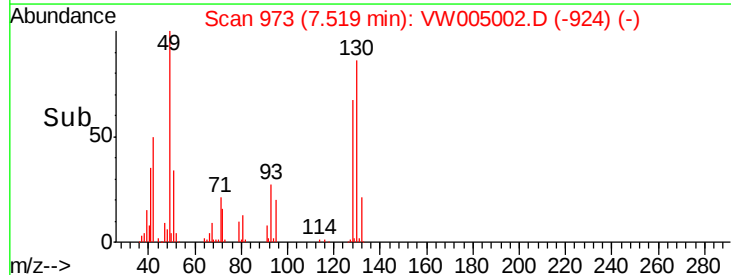
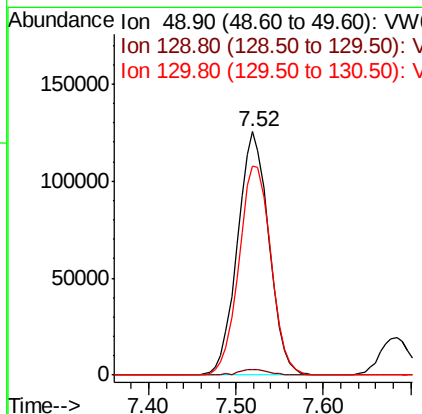
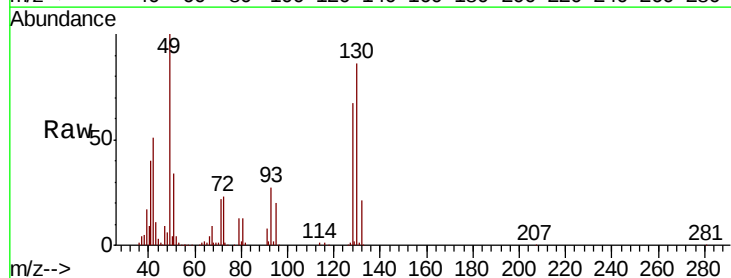
apatel
 8/30/2018 12:43:44 PM

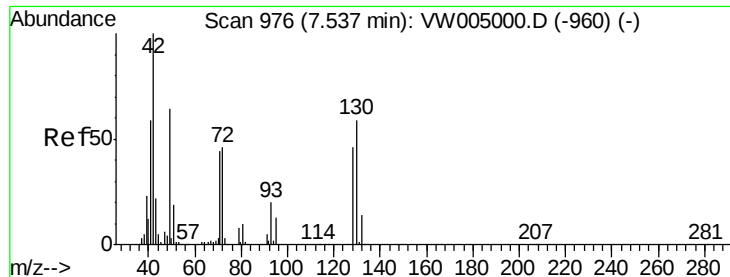


#28

Bromochloromethane
 Concen: 99.811 ug/l
 RT: 7.52 min Scan# 973
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	312943		
129	2.2		0.0	4.2
130	87.7		68.2	102.2





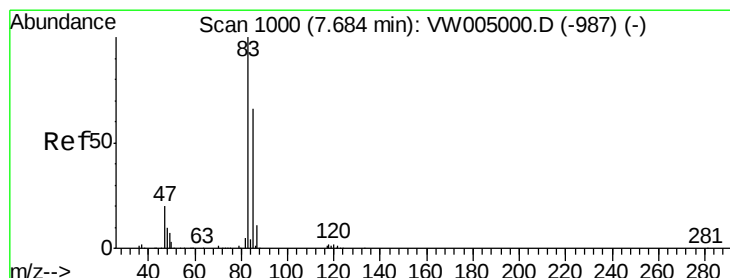
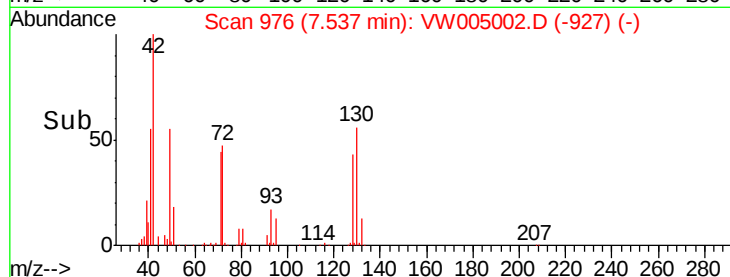
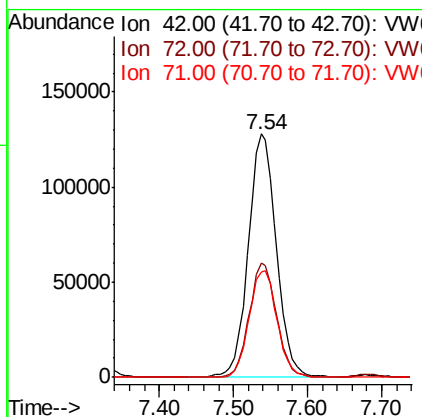
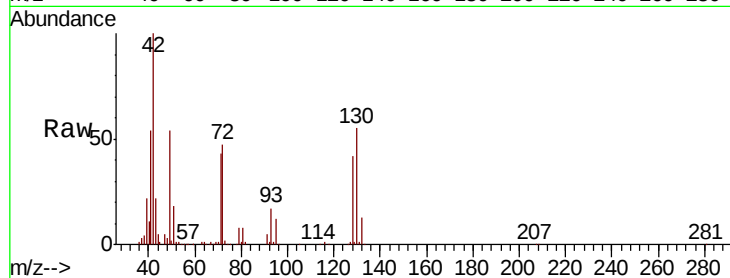
#29
Tetrahydrofuran
Concen: 539.846 ug/l
RT: 7.54 min Scan# 976
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	336812
Ion Ratio		Lower	Upper
42	100		
72	46.1	36.6	55.0
71	43.9	35.4	53.2

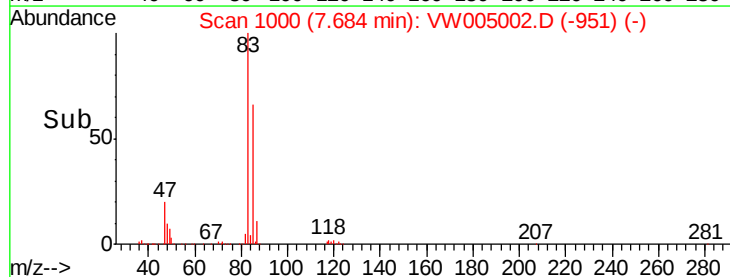
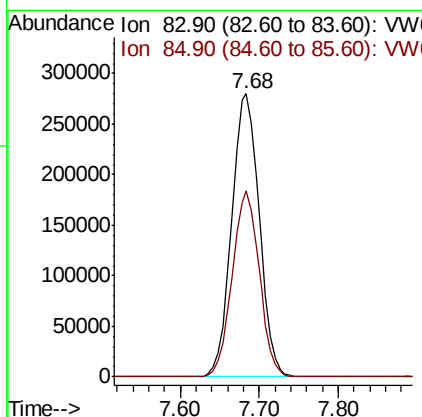
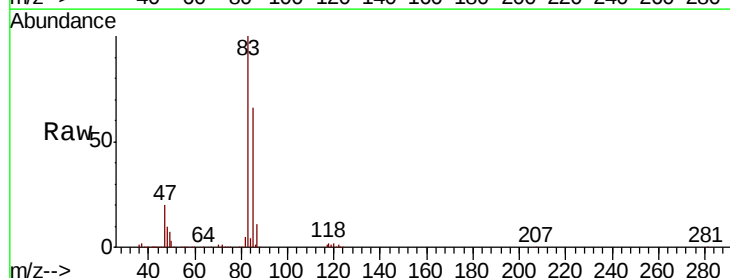
Manual Integrations
APPROVED

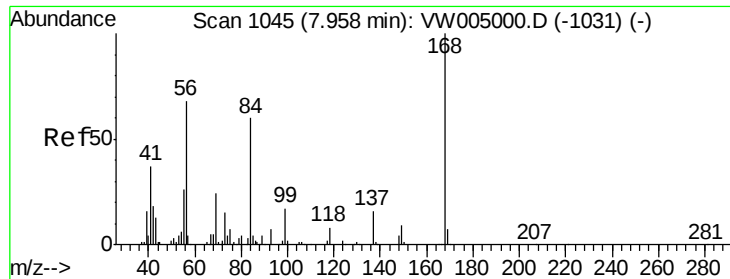
apatel
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#30
Chloroform
Concen: 97.012 ug/l
RT: 7.68 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion:	83	Resp:	680376
Ion Ratio		Lower	Upper
83	100		
85	65.6	52.6	78.8





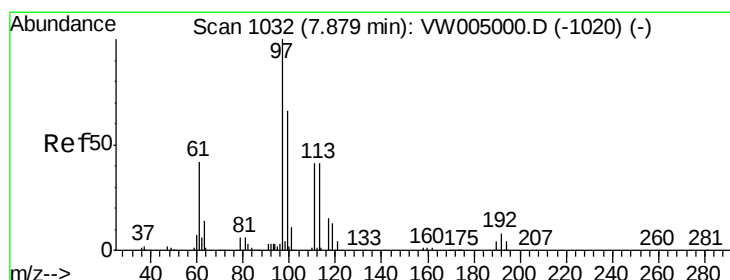
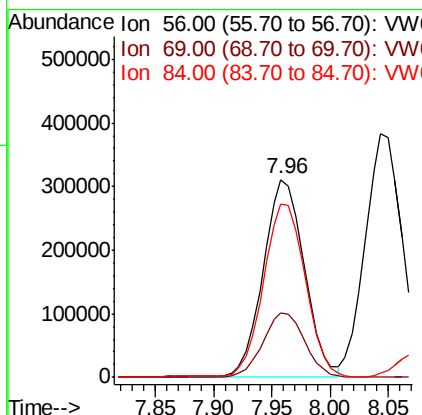
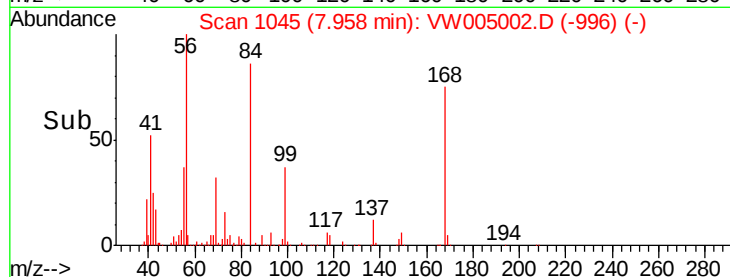
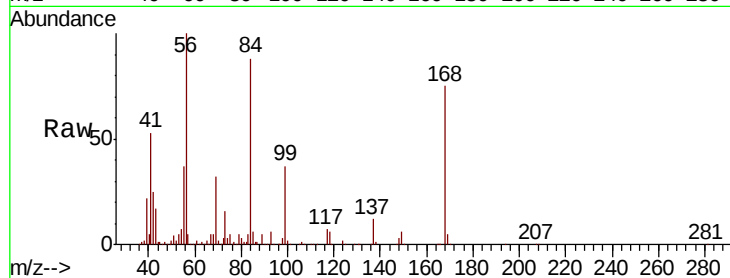
#31
Cyclohexane
Concen: 100.667 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampled :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	27.9	41.9
84	86.7	70.5	105.7

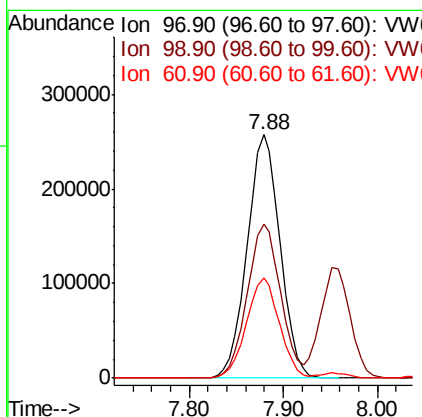
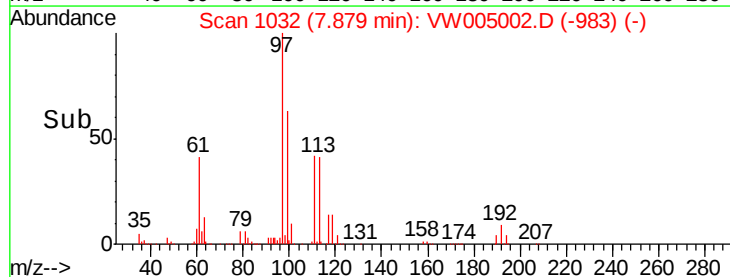
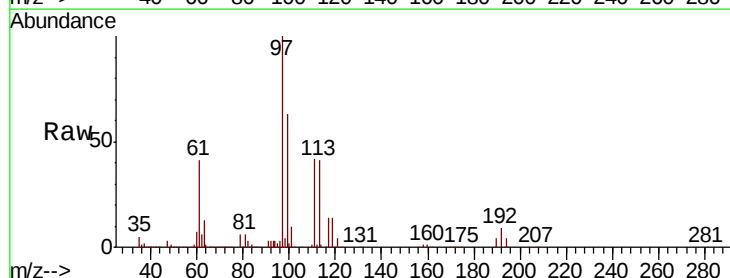
Manual Integrations
APPROVED

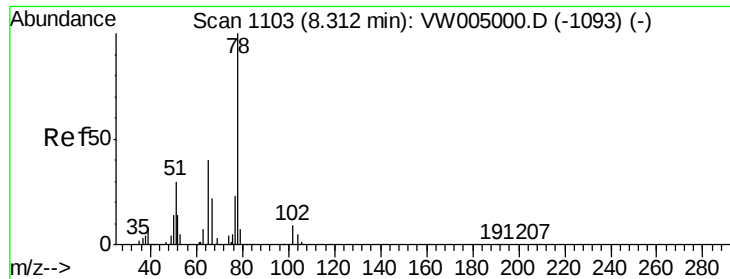
apatel
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#32
1,1,1-Trichloroethane
Concen: 97.557 ug/l
RT: 7.88 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	52.3	78.5
61	41.2	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 93.662 ug/l

RT: 8.31 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 328939

Ion Ratio Lower Upper

65 100

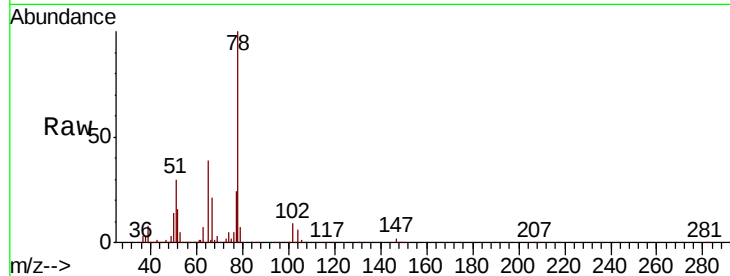
67 55.3 0.0 112.8

Manual Integrations

APPROVED

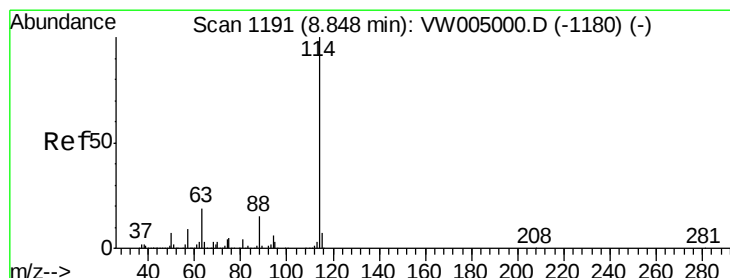
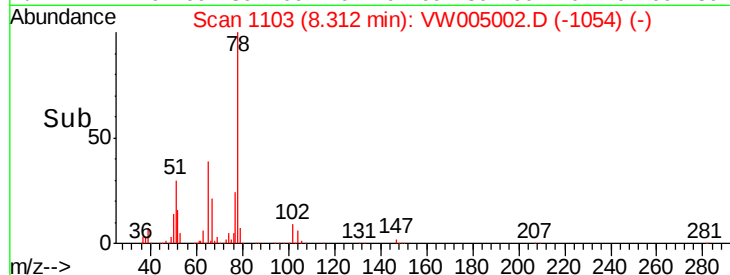
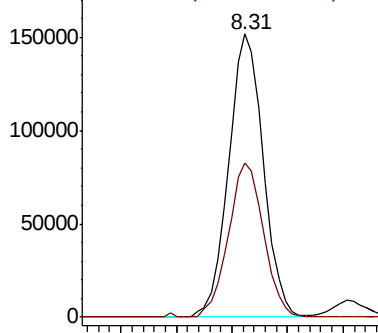
apatel

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1191

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

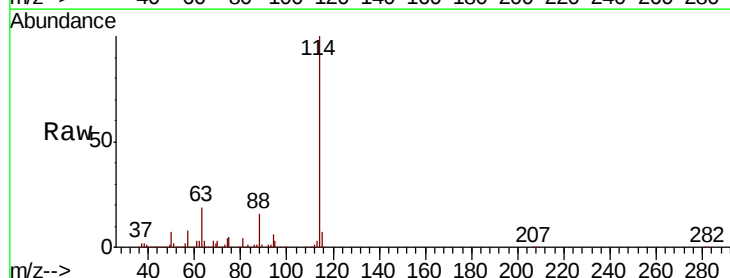
Tgt Ion: 114 Resp: 725661

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

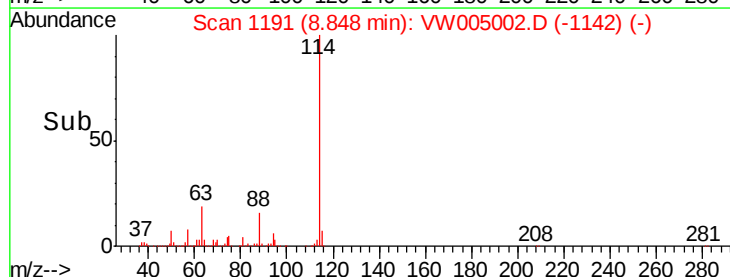
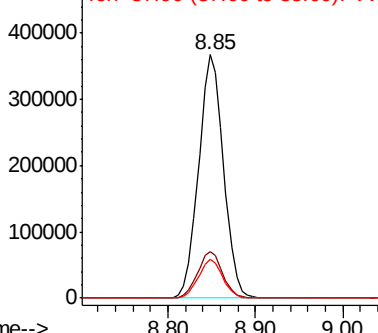
88 15.7 0.0 30.6

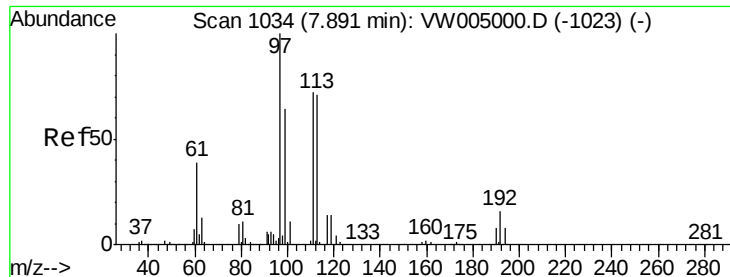


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW





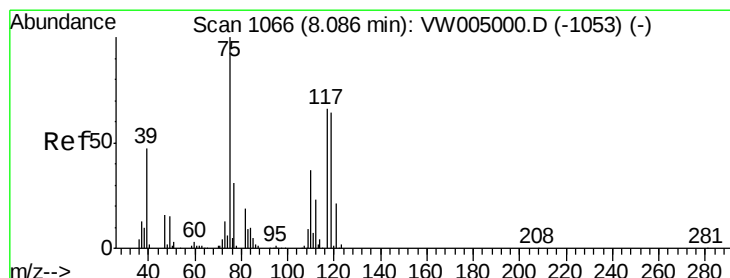
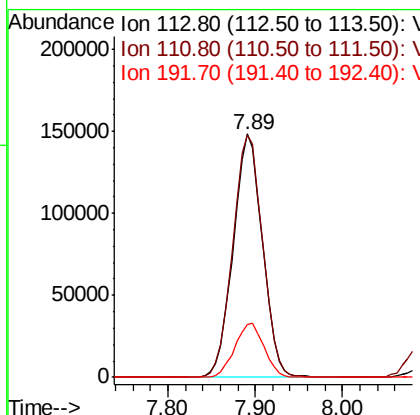
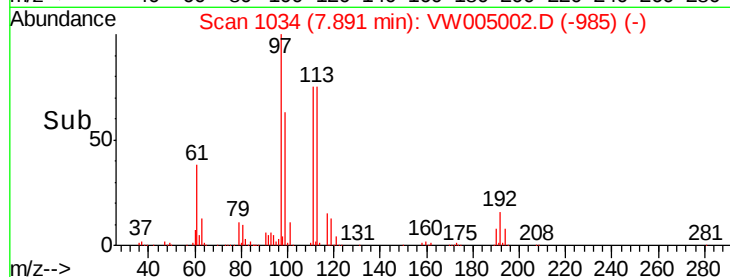
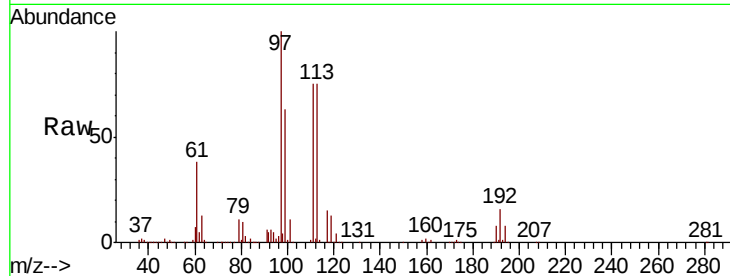
#35
 Dibromofluoromethane
 Concen: 95.772 ug/l
 RT: 7.89 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	344392		
111	102.0	81.3	121.9	
192	22.3	17.8	26.8	

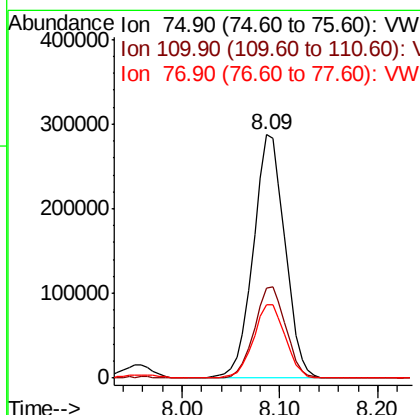
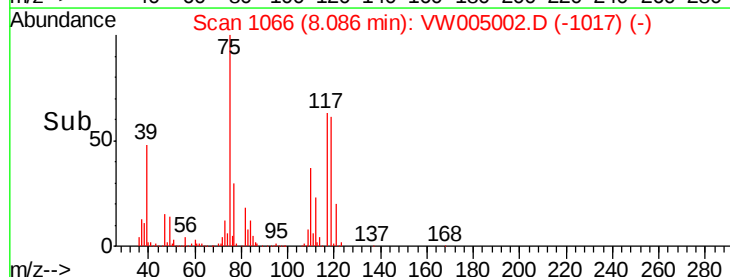
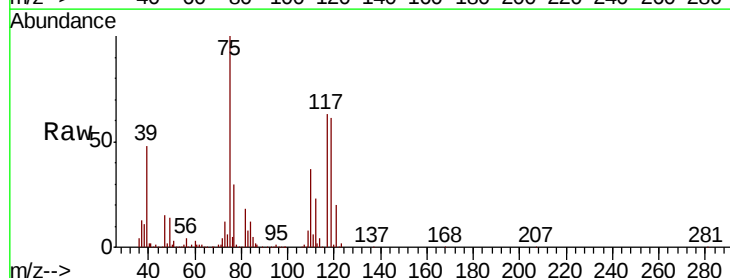
Manual Integrations
 APPROVED

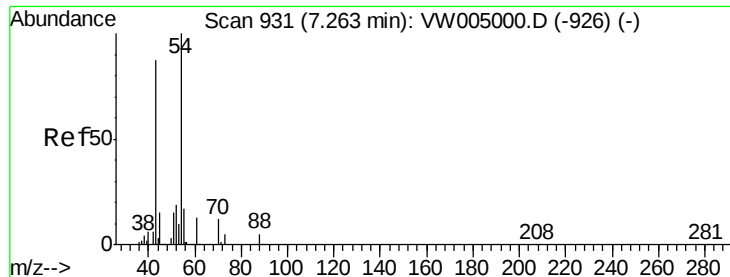
apatel
 8/30/2018 12:43:44 PM



#36
 1,1-Dichloropropene
 Concen: 104.692 ug/l
 RT: 8.09 min Scan# 1066
 Delta R.T. 0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	643711		
110	37.1	18.7	56.1	
77	30.6	24.9	37.3	





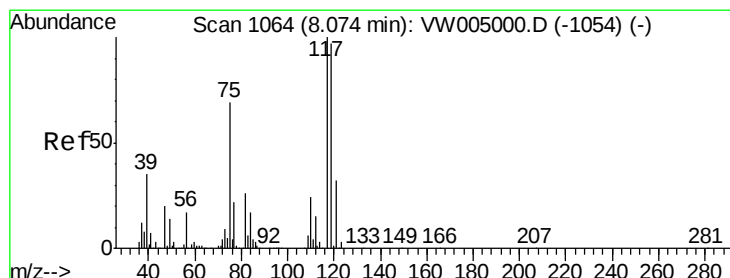
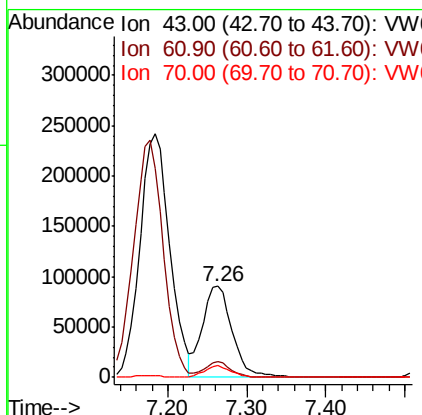
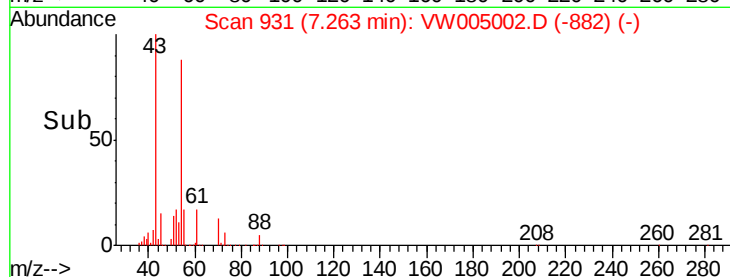
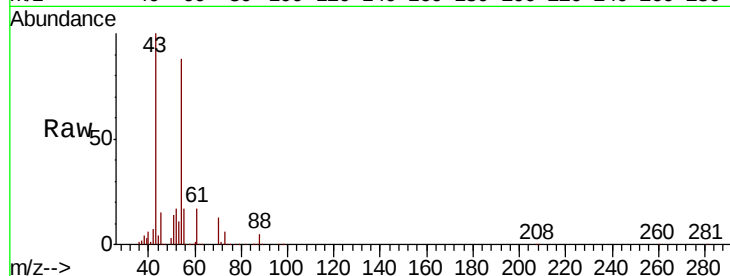
#37
Ethyl Acetate
Concen: 107.314 ug/l
RT: 7.26 min Scan# 931
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.8	12.3	18.5
70	11.7	9.7	14.5

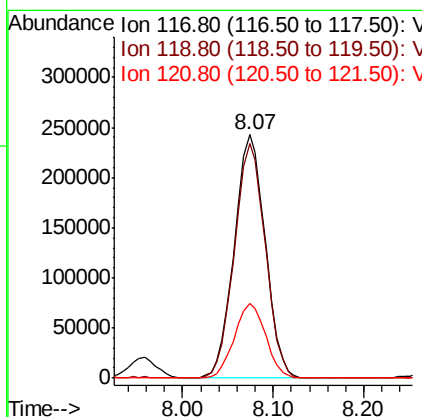
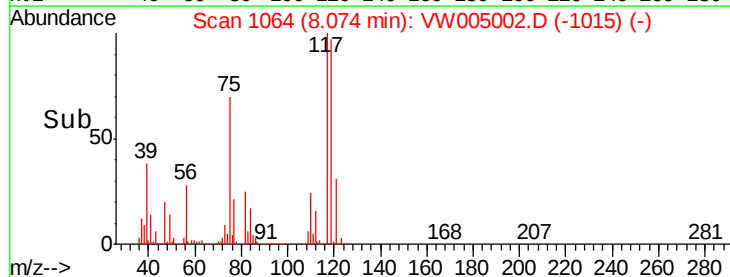
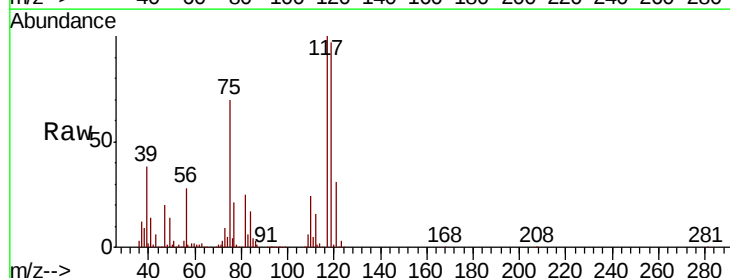
Manual Integrations
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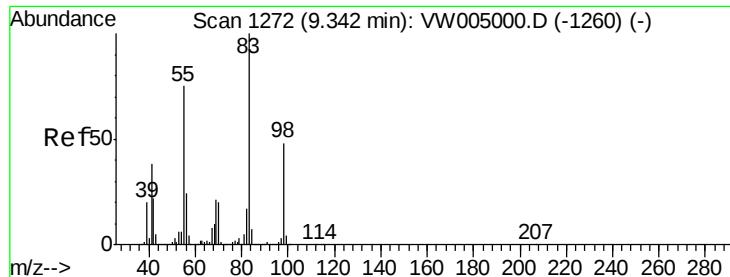
apatel
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#38
Carbon Tetrachloride
Concen: 96.485 ug/l
RT: 8.07 min Scan# 1064
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.6	77.8	116.8
121	30.6	25.2	37.8





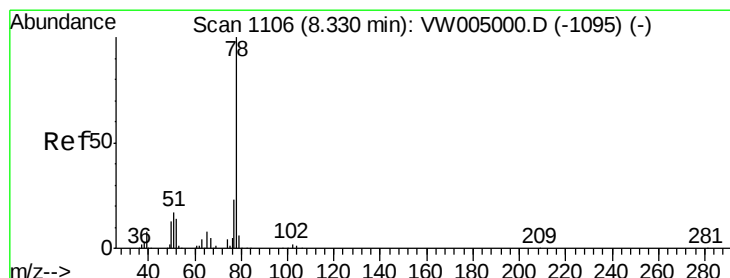
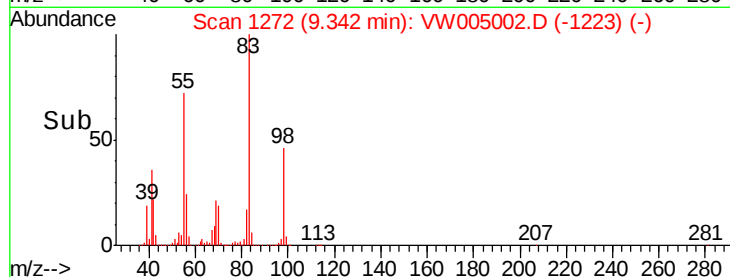
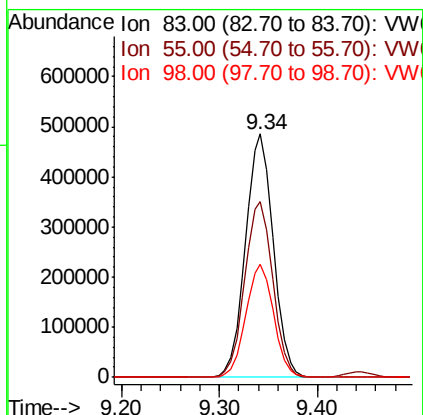
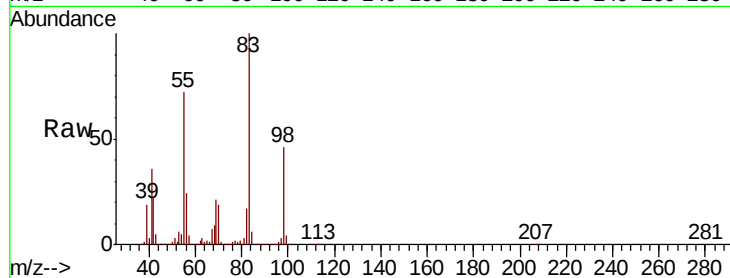
#39
Methvlcvclohexane
Concen: 112.722 ug/l
RT: 9.34 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.4	60.2	90.2
98	46.4	38.6	57.8

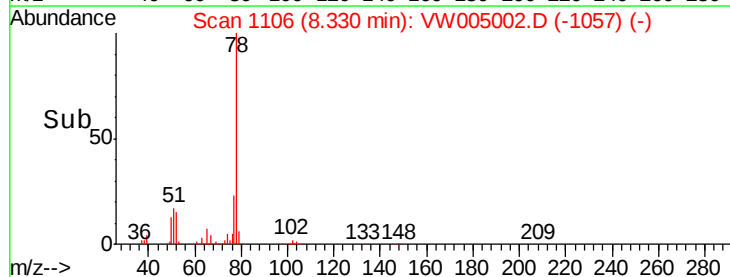
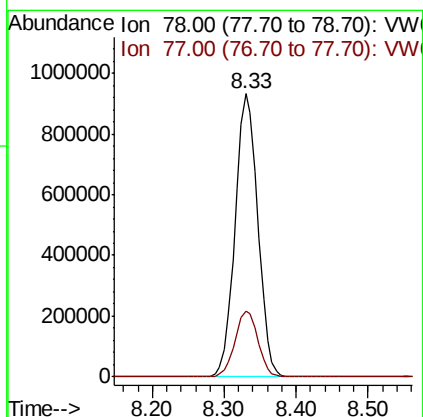
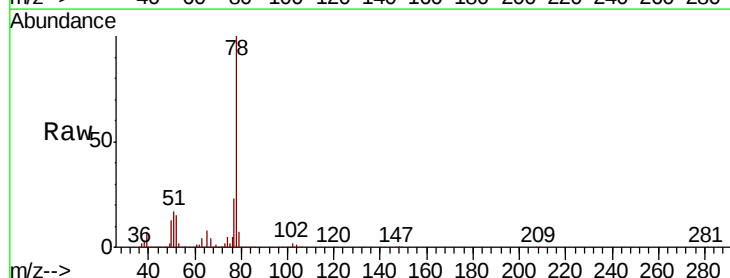
Manual Integrations
APPROVED

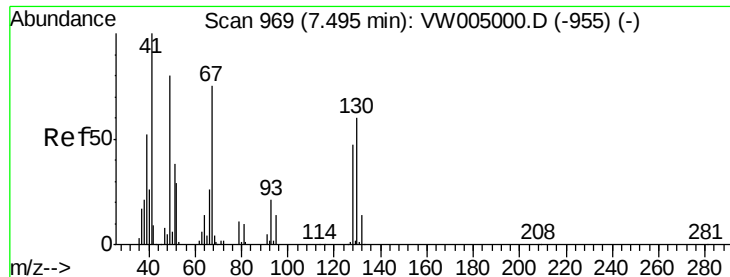
apatel
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#40
Benzene
Concen: 103.502 ug/l
RT: 8.33 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.6	28.0





#41

Methacrylonitrile

Concen: 106.695 ug/l

RT: 7.49 min Scan# 969

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 41 Resp: 137798

Ion Ratio Lower Upper

41 100

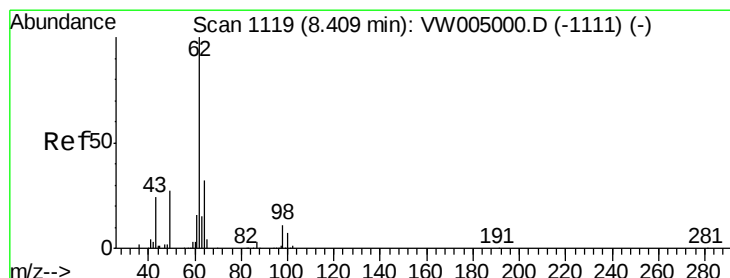
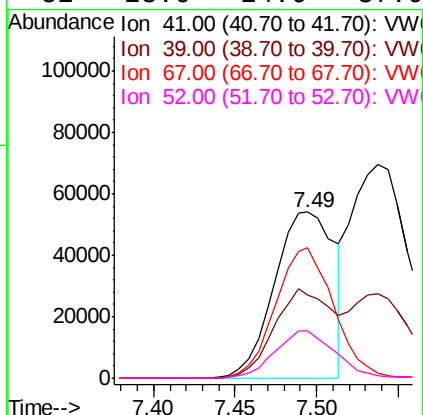
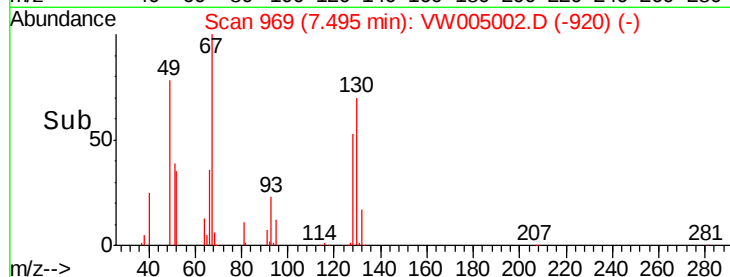
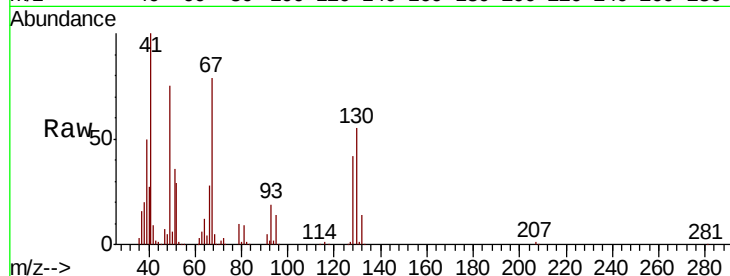
39 51.6 42.0 63.0

67 77.0 63.4 95.2

52 28.6 24.6 37.0

Manual Integrations
APPROVED

apatel
8/30/2018 12:43:44 PM



#42

1,2-Dichloroethane

Concen: 95.263 ug/l

RT: 8.41 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VW005002.D

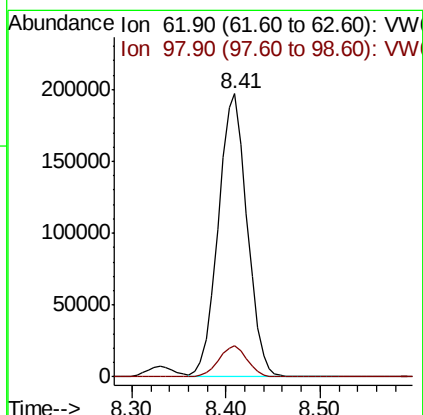
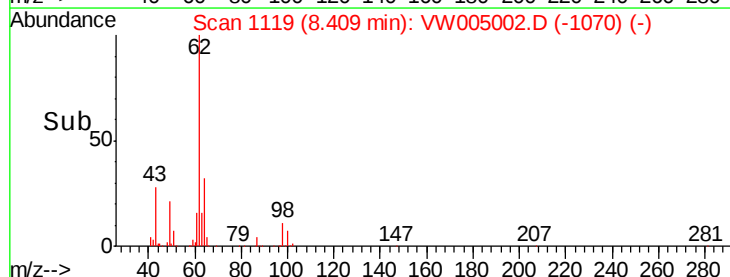
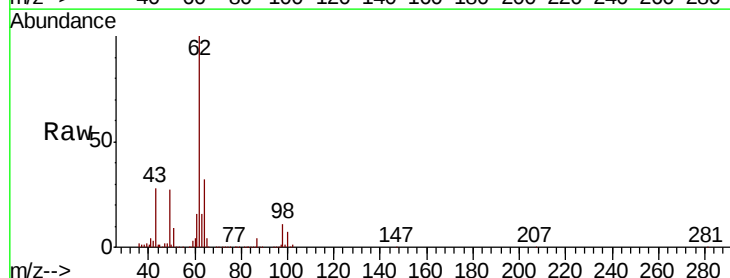
Acq: 29 Aug 2018 14:18

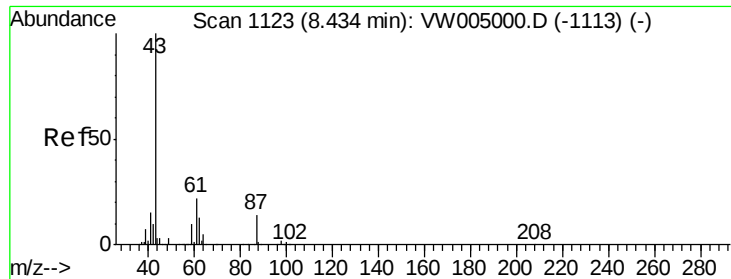
Tgt Ion: 62 Resp: 417194

Ion Ratio Lower Upper

62 100

98 10.8 0.0 20.8





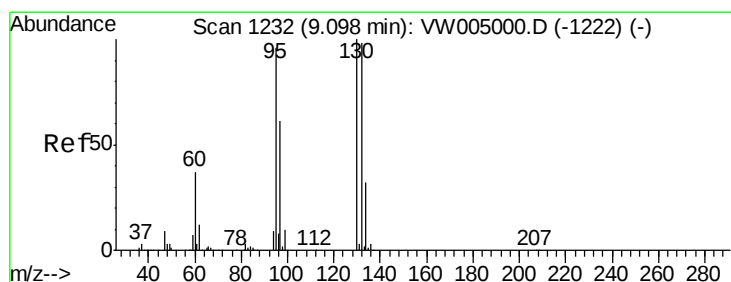
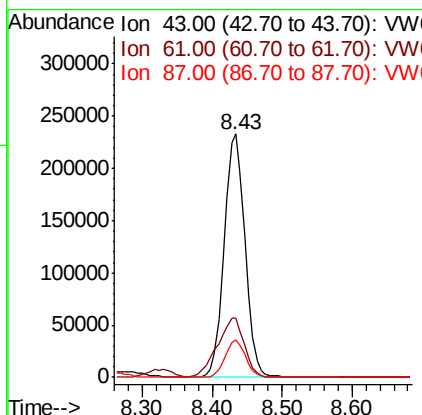
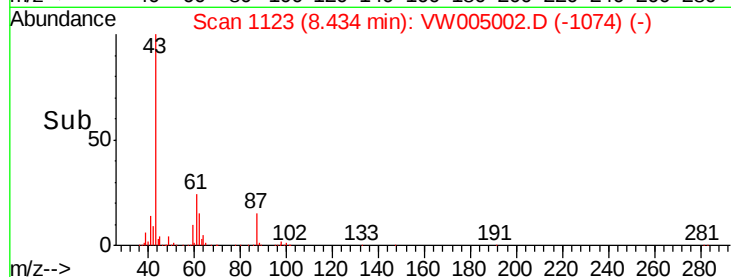
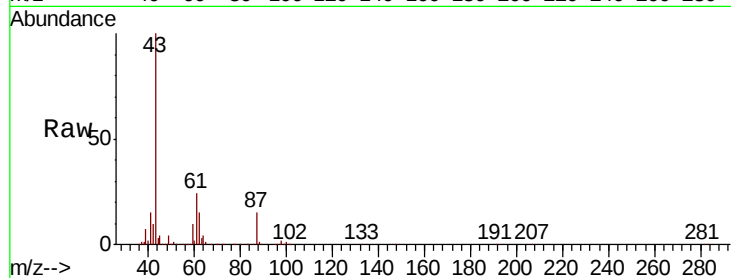
#43
Isopropyl Acetate
Concen: 108.720 ug/l
RT: 8.43 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.5	26.2	39.4
87	15.2	11.8	17.6

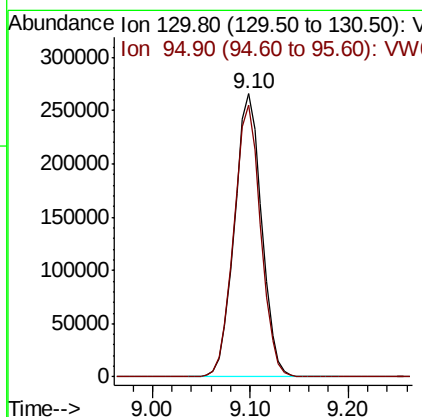
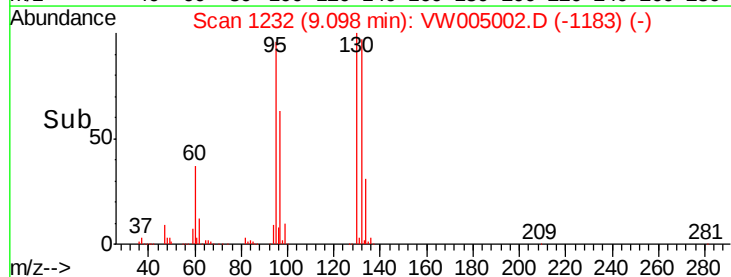
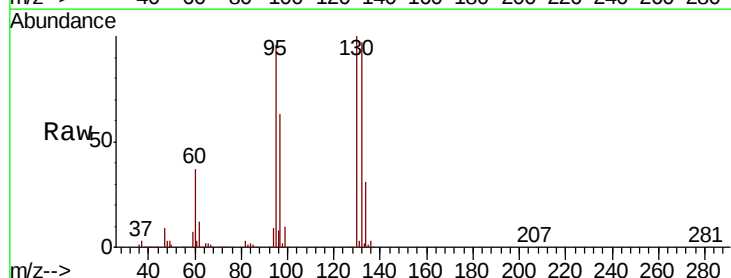
Manual Integrations
APPROVED

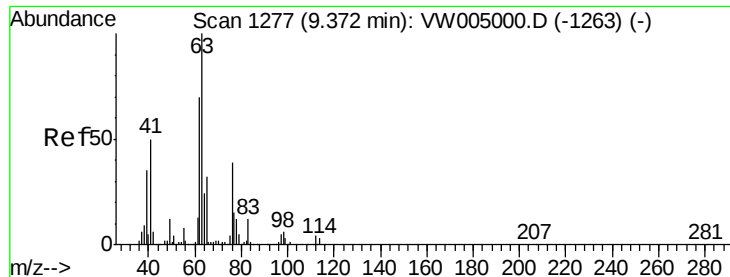
apatel
8/30/2018 12:43:44 PM



#44
Trichloroethene
Concen: 101.963 ug/l
RT: 9.10 min Scan# 1232
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.1	0.0	192.2





#45

1,2-Dichloropropane

Concen: 102.432 ug/l

RT: 9.37 min Scan# 1277

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 63 Resp: 461248

Ion Ratio Lower Upper

63 100

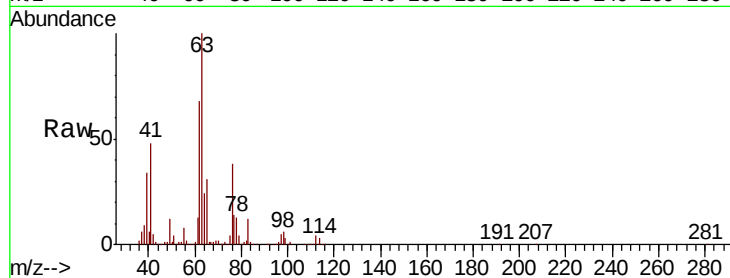
65 31.0 25.3 37.9

Manual Integrations

APPROVED

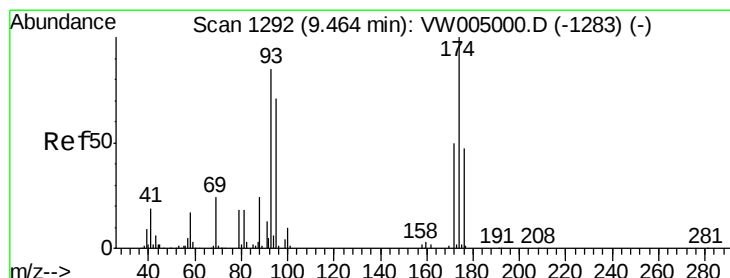
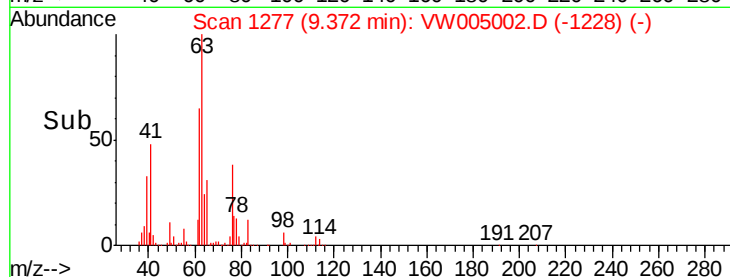
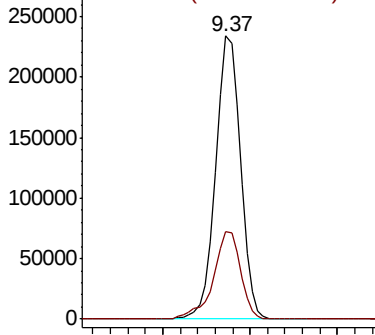
apatel

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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 97.011 ug/l

RT: 9.46 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

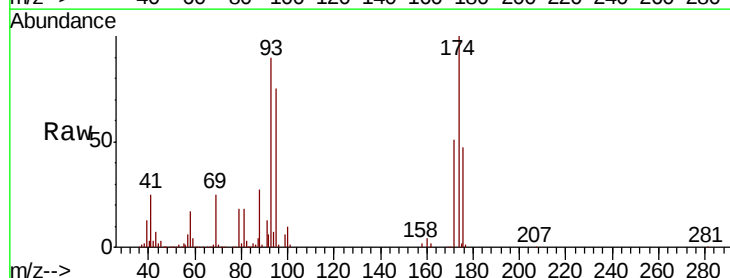
Tgt Ion: 93 Resp: 206756

Ion Ratio Lower Upper

93 100

95 83.9 68.0 102.0

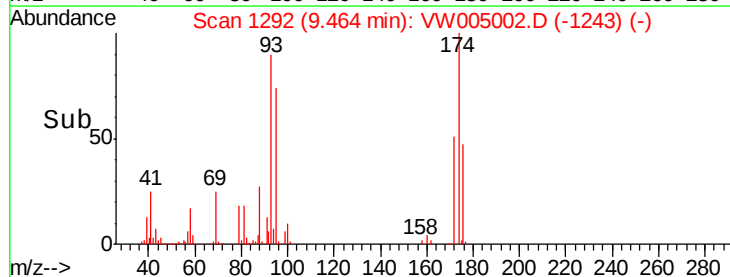
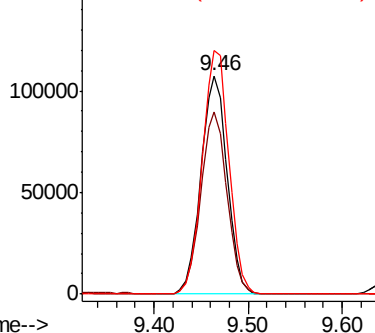
174 113.6 91.4 137.0

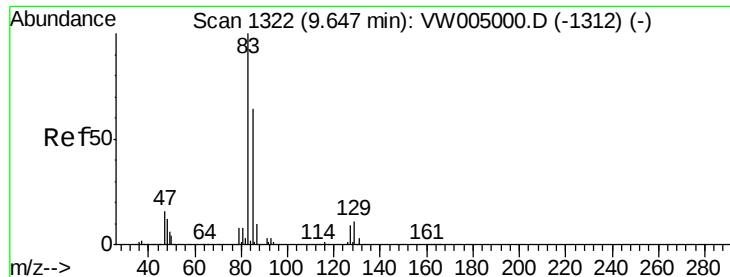


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





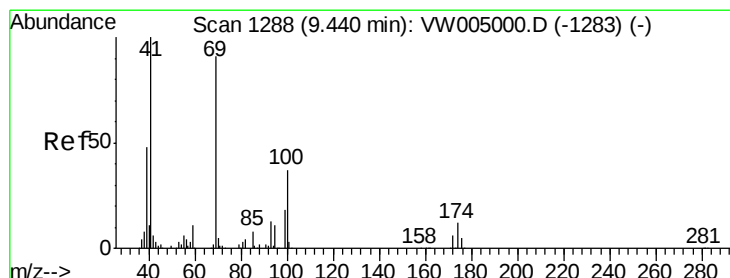
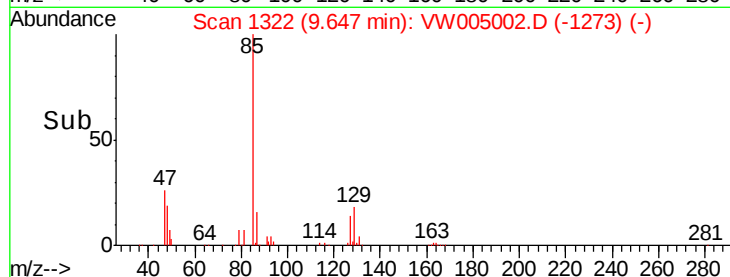
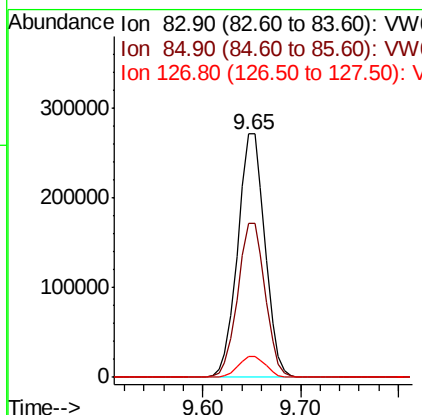
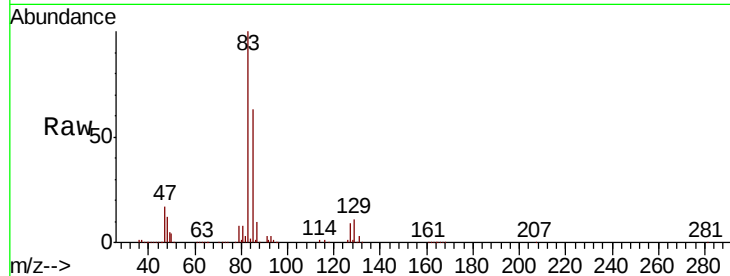
#47
Bromodichloromethane
Concen: 99.372 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	523313		
85	63.4	51.3	76.9	
127	8.7	7.2	10.8	

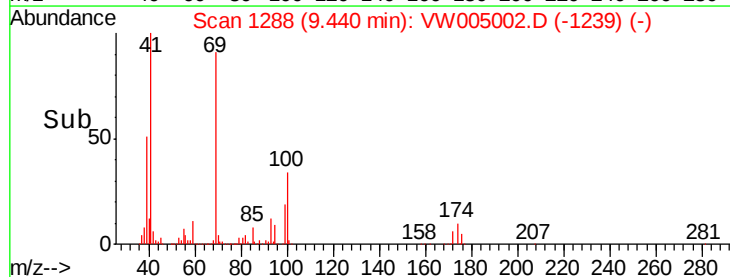
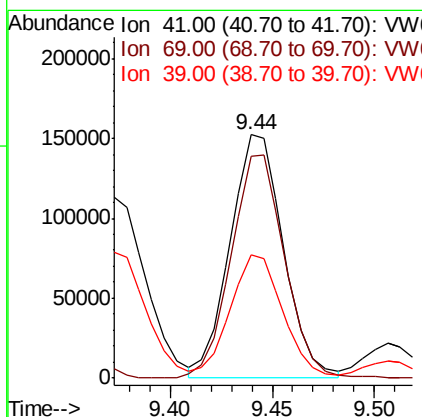
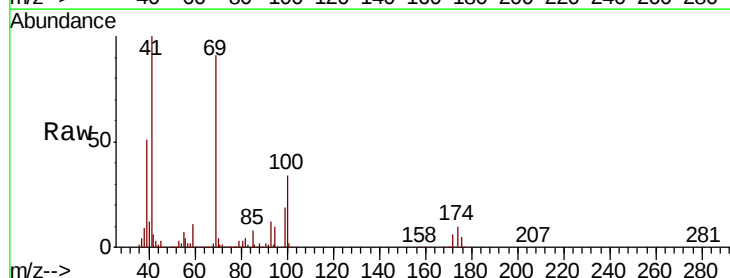
Manual Integrations
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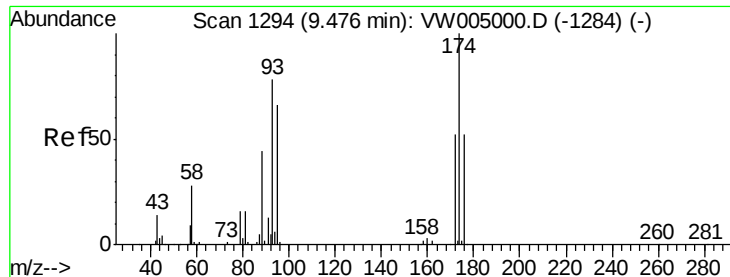
apatel
8/30/2018 12:43:44 PM



#48
Methyl methacrylate
Concen: 118.346 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. 0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	277099		
69	91.9	72.5	108.7	
39	47.1	37.0	55.6	





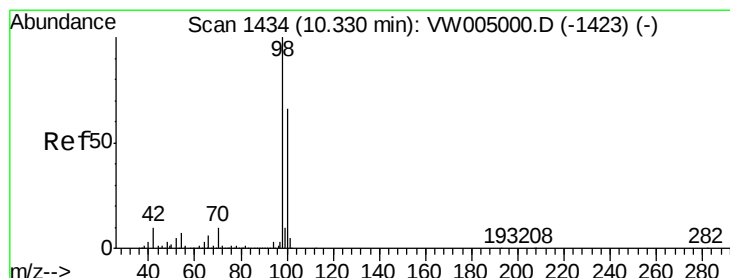
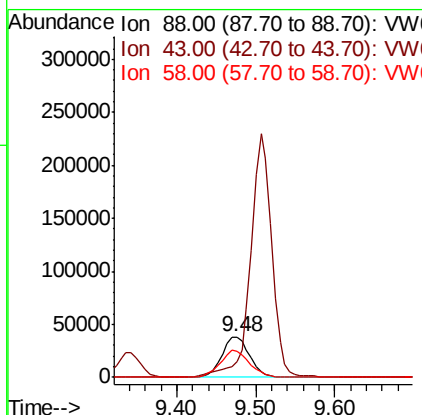
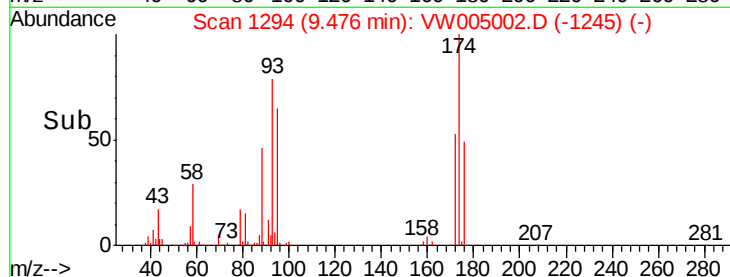
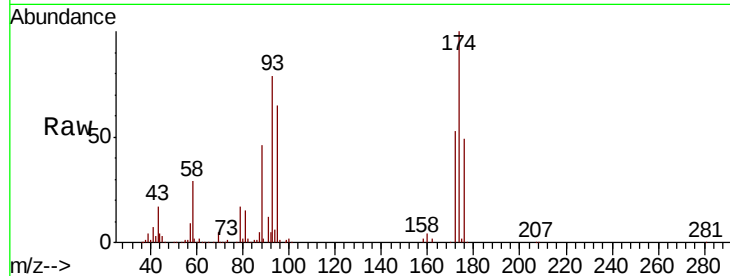
#49
1,4-Dioxane
Concen: 2118.974 ug/l
RT: 9.48 min Scan# 1294
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	93717
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	69.4	57.0	85.4

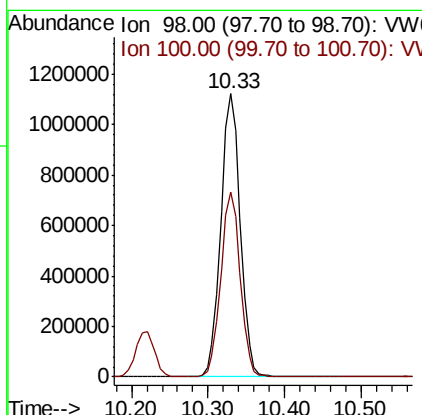
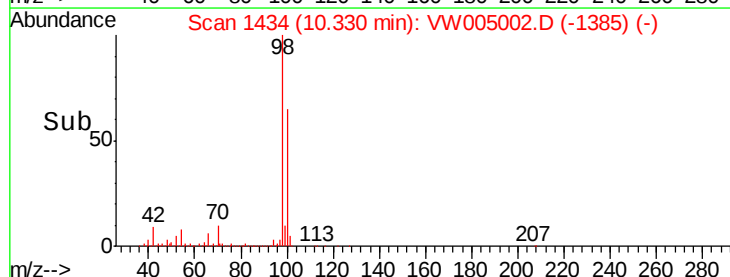
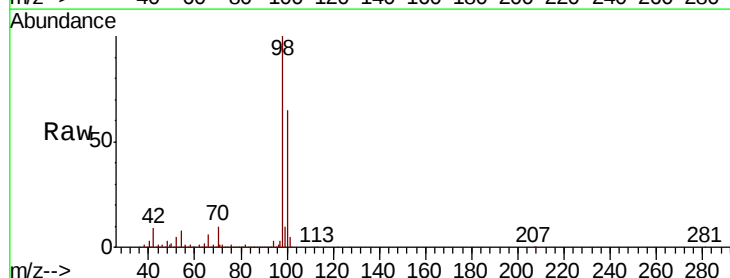
Manual Integrations
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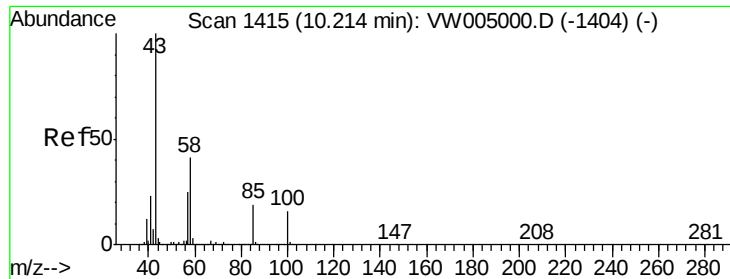
apatel
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#50
Toluene-d8
Concen: 99.886 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	98	Resp	1972015
Ion	Ratio	Lower	Upper
98	100		
100	65.2	51.9	77.9





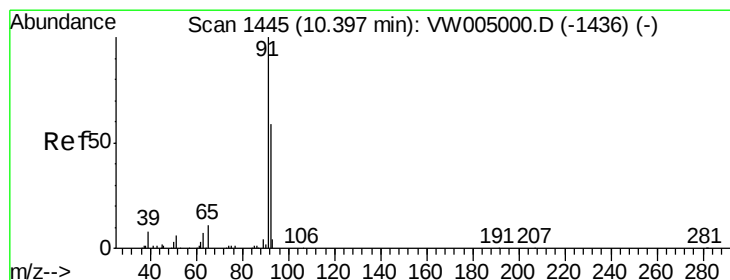
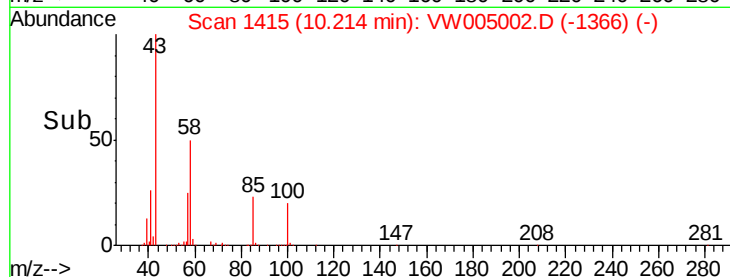
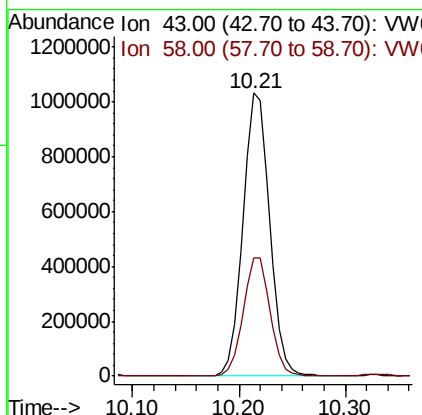
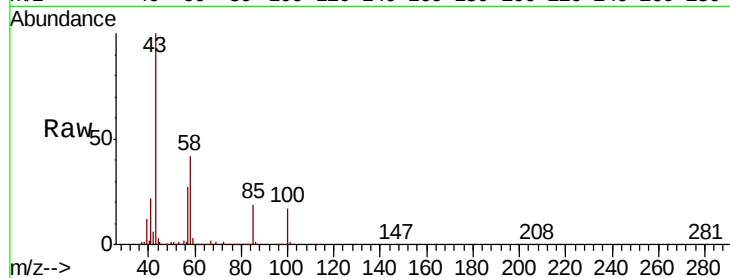
#51
4-Methyl-2-Pentanone
Concen: 551.782 ug/l
RT: 10.21 min Scan# 1415
Delta R.T. 0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 43 Resp: 1822434
Ion Ratio Lower Upper
43 100
58 42.1 33.5 50.3

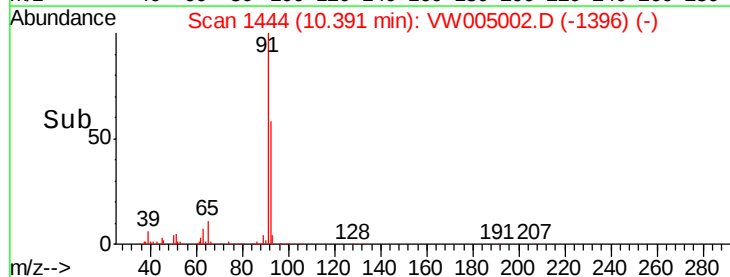
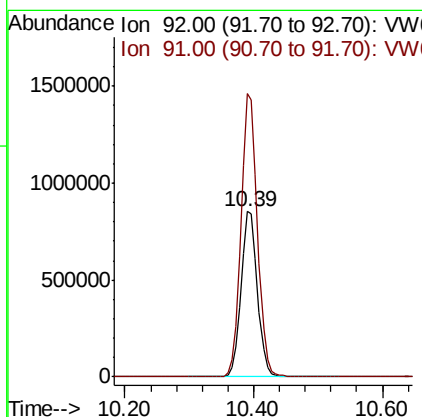
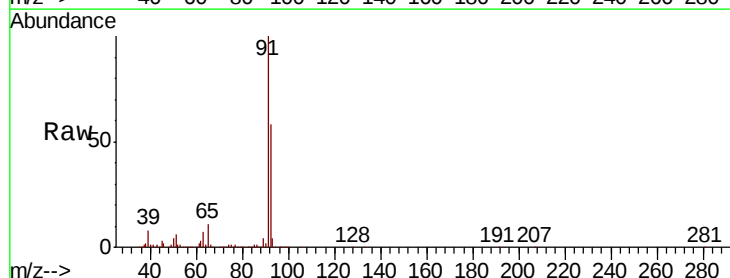
Manual Integrations
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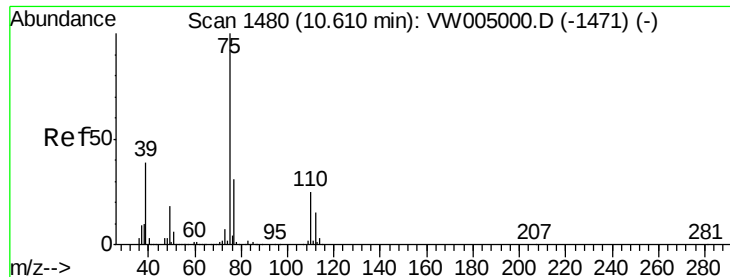
apatel
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#52
Toluene
Concen: 102.372 ug/l
RT: 10.39 min Scan# 1444
Delta R.T. -0.01 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion: 92 Resp: 1494805
Ion Ratio Lower Upper
92 100
91 171.5 137.4 206.2





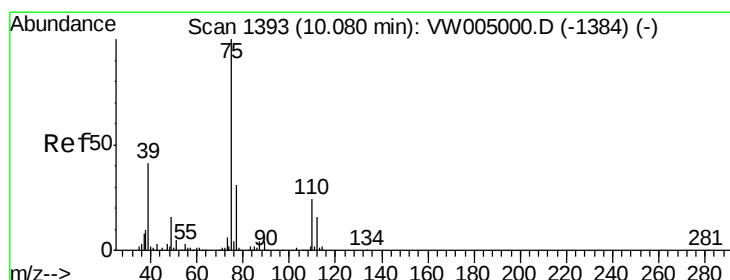
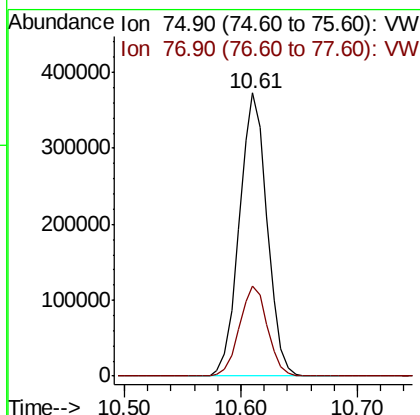
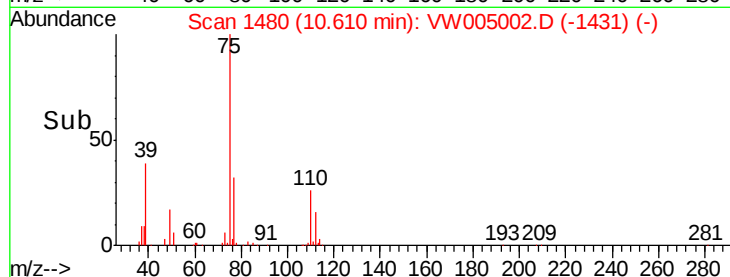
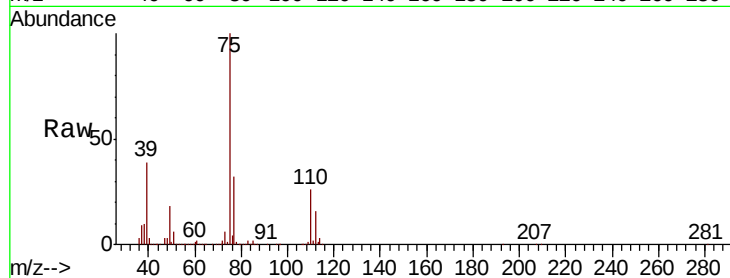
#53
t-1,3-Dichloropropene
Concen: 109.977 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 75 Resp: 618527
Ion Ratio Lower Upper
75 100
77 31.6 25.1 37.7

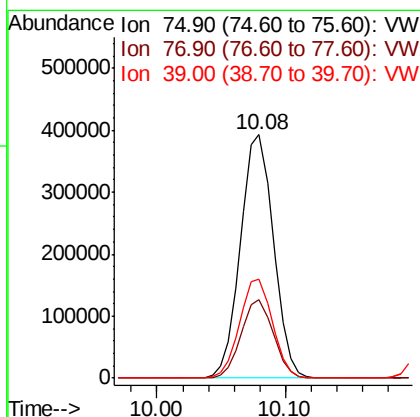
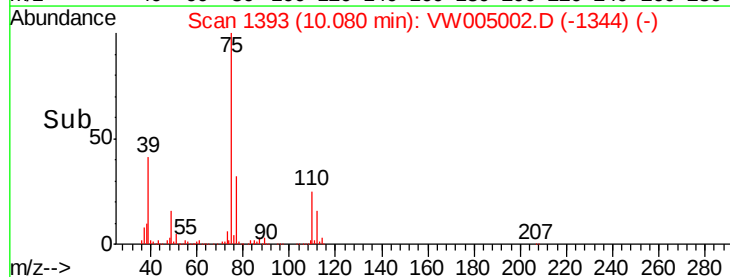
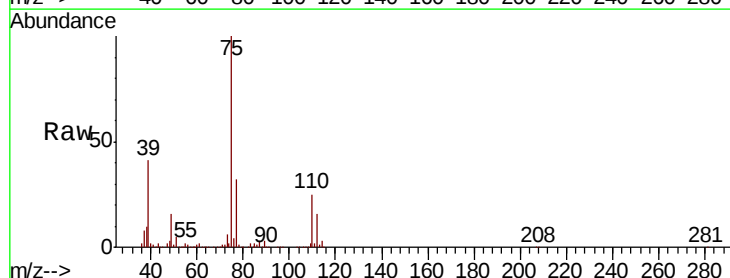
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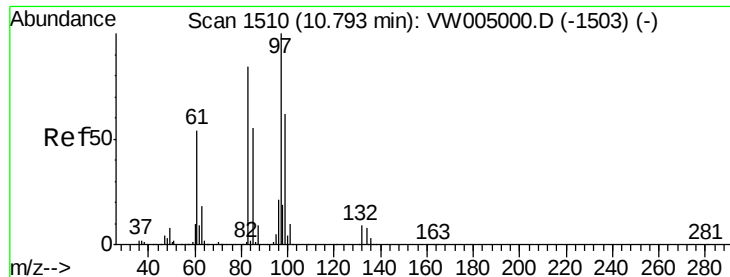
apatel
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#54
cis-1,3-Dichloropropene
Concen: 106.600 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion: 75 Resp: 699124
Ion Ratio Lower Upper
75 100
77 32.4 25.2 37.8
39 40.6 32.9 49.3





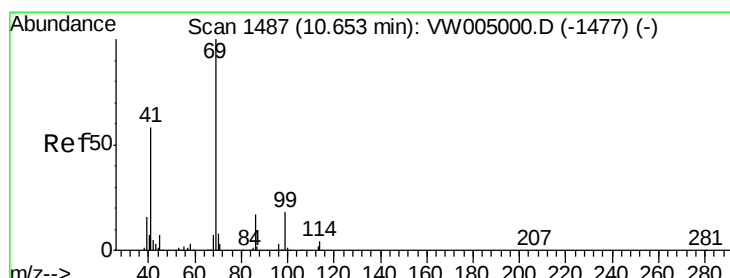
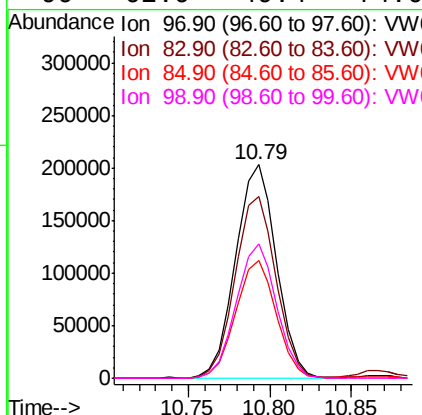
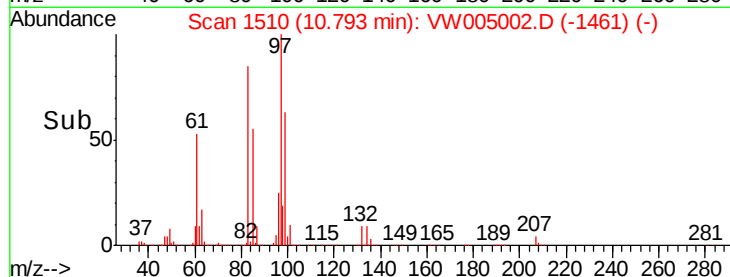
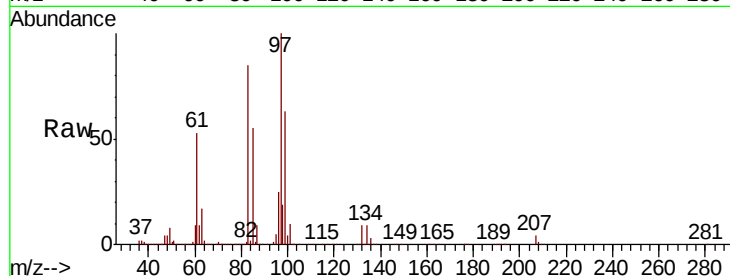
#55
 1,1,2-Trichloroethane
 Concen: 101.619 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	354492
Ion	Ratio	Lower	Upper
97	100		
83	85.0	67.3	100.9
85	55.1	44.3	66.5
99	62.9	49.4	74.0

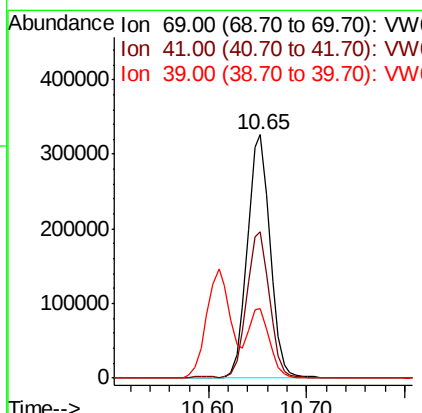
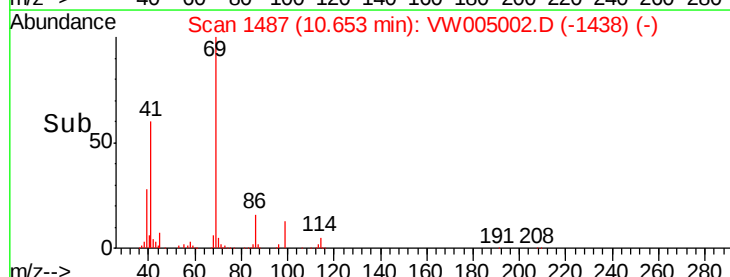
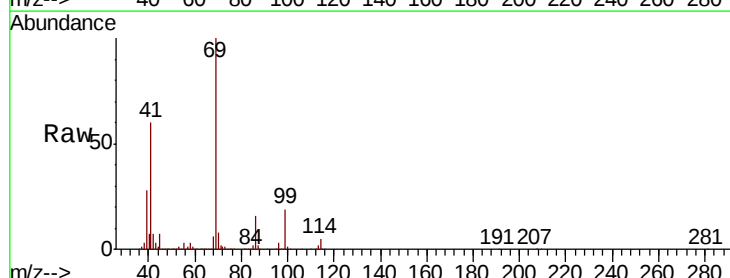
Manual Integrations
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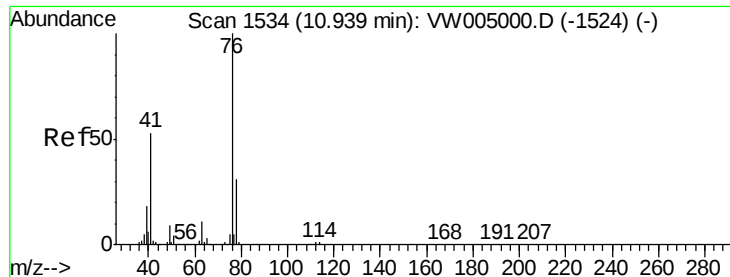
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#56
 Ethyl methacrylate
 Concen: 114.995 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion:	69	Resp:	526179
Ion	Ratio	Lower	Upper
69	100		
41	60.0	47.7	71.5
39	25.9	21.0	31.6





#57

1,3-Dichloropropane

Concen: 105.414 ug/l

RT: 10.94 min Scan# 1534

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 605108

Ion Ratio Lower Upper

76 100

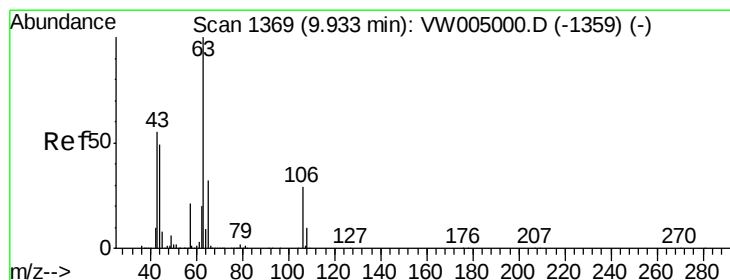
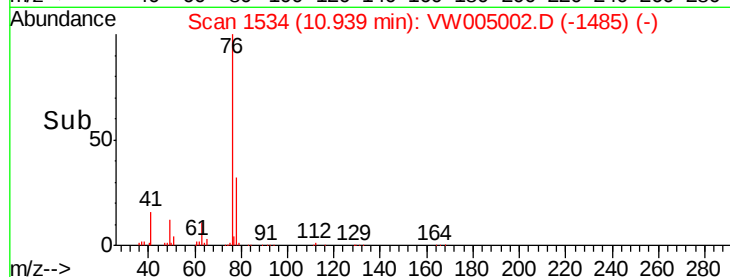
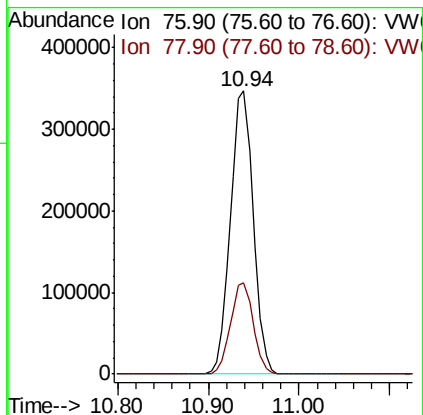
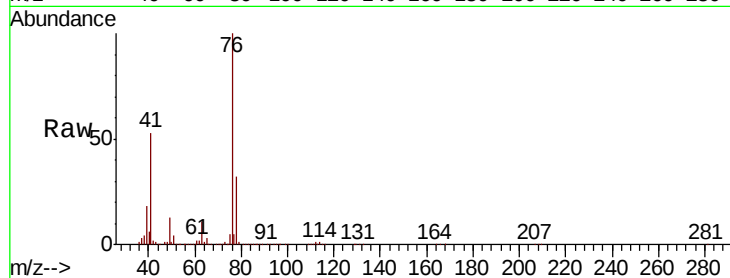
78 32.3 25.6 38.4

Manual Integrations

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apatel

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#58

2-Chloroethyl Vinyl ether

Concen: 573.203 ug/l

RT: 9.93 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VW005002.D

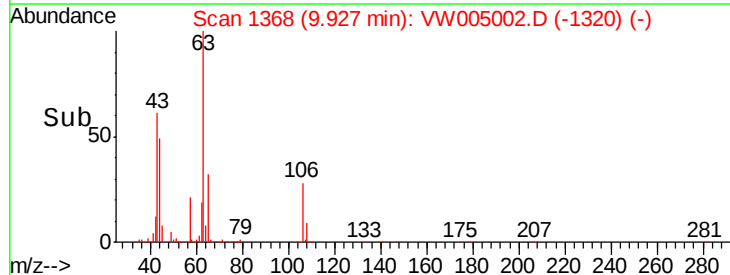
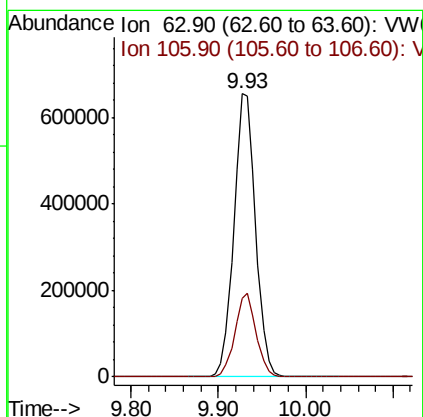
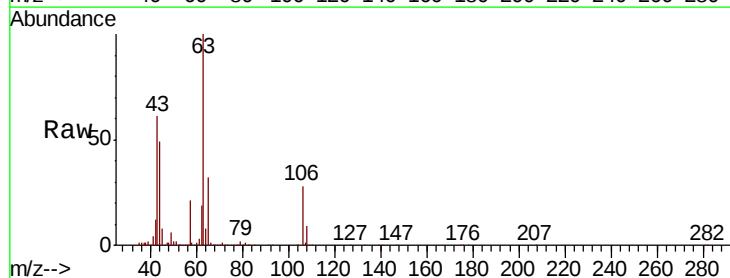
Acq: 29 Aug 2018 14:18

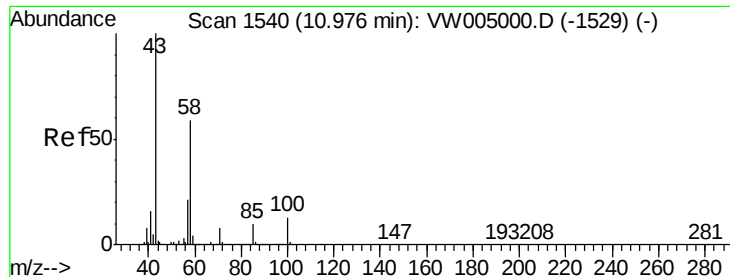
Tgt Ion: 63 Resp: 1129958

Ion Ratio Lower Upper

63 100

106 28.8 23.2 34.8





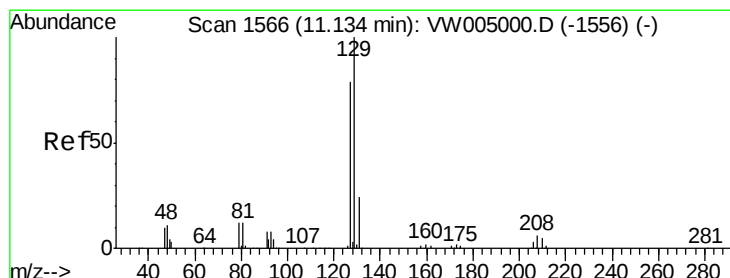
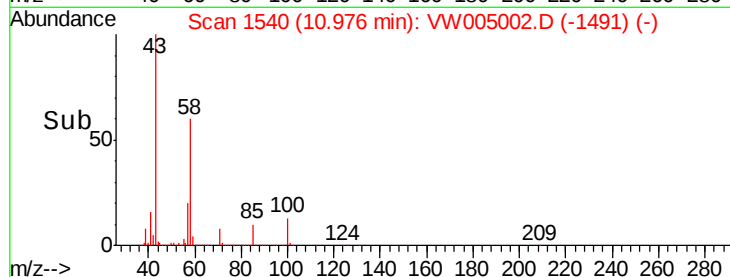
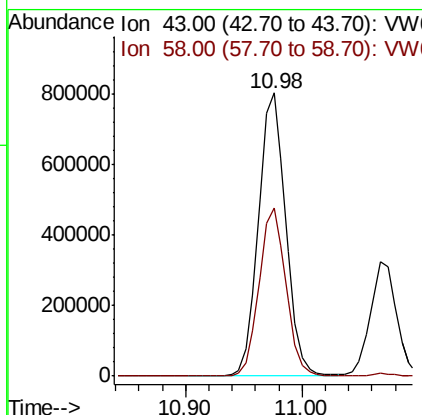
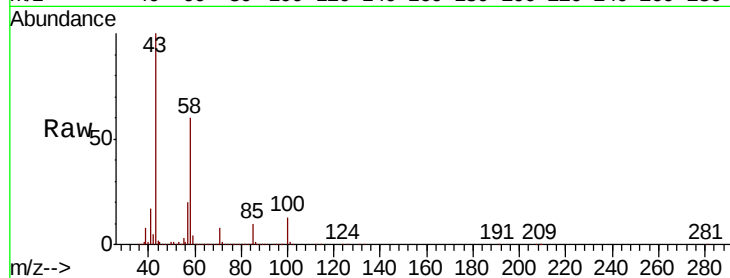
#59
2-Hexanone
Concen: 550.439 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1316295
Ion Ratio Lower Upper
43 100
58 58.5 29.2 87.6

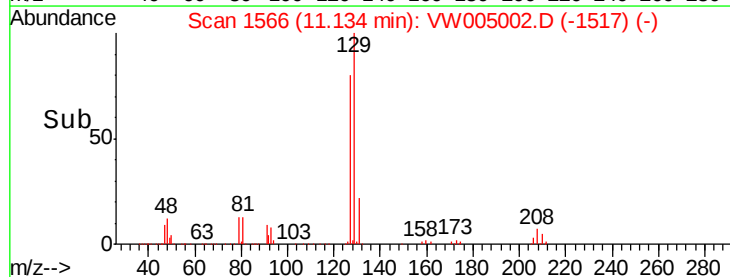
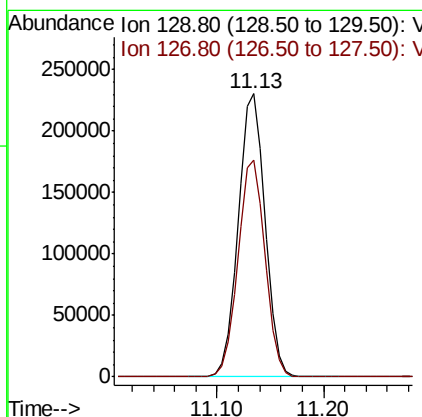
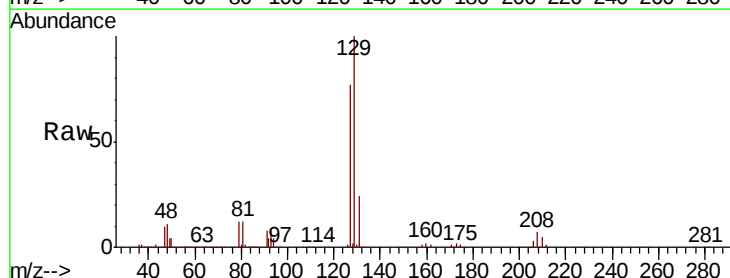
Manual Integrations
APPROVED

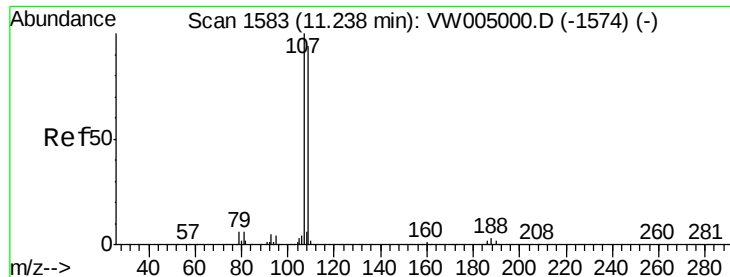
apatel
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#60
Dibromochloromethane
Concen: 106.619 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. 0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion: 129 Resp: 408199
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





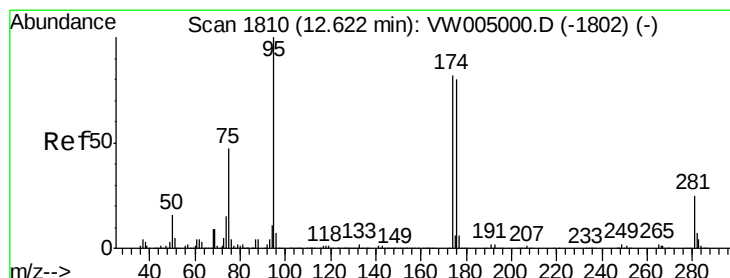
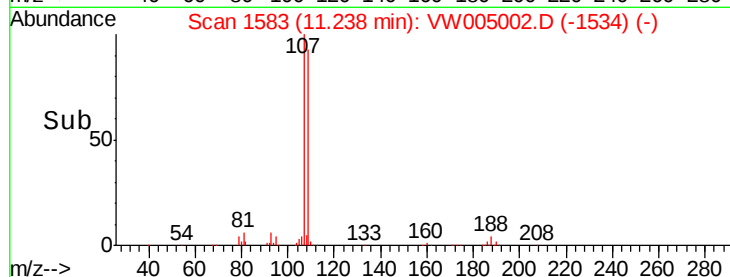
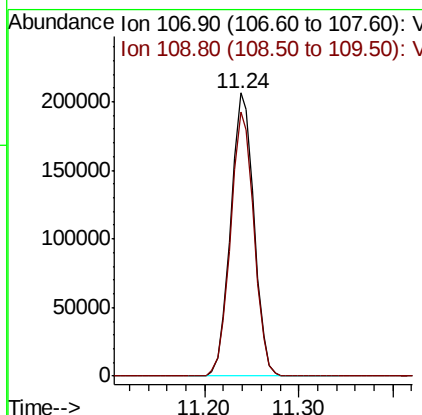
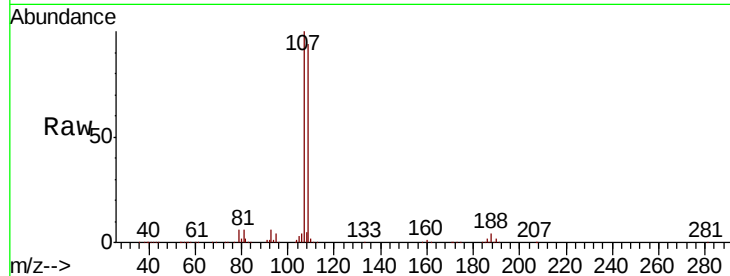
#61
 1,2-Dibromoethane
 Concen: 107.974 ug/l
 RT: 11.24 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	75.2	112.8

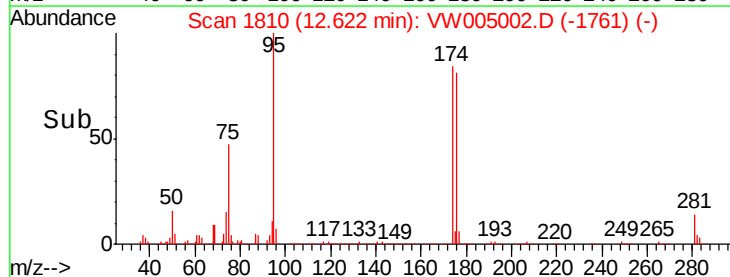
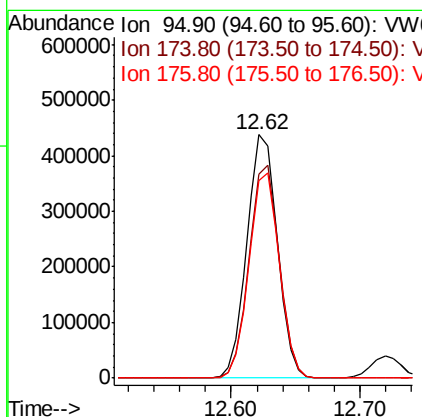
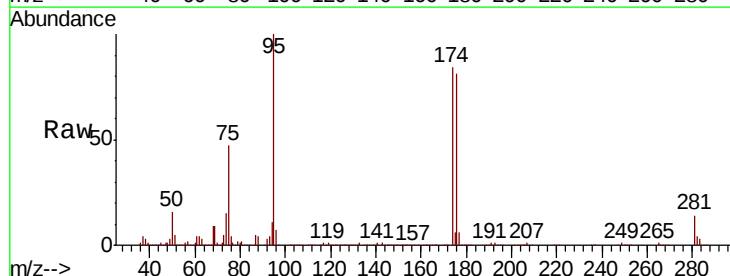
Manual Integrations
 APPROVED

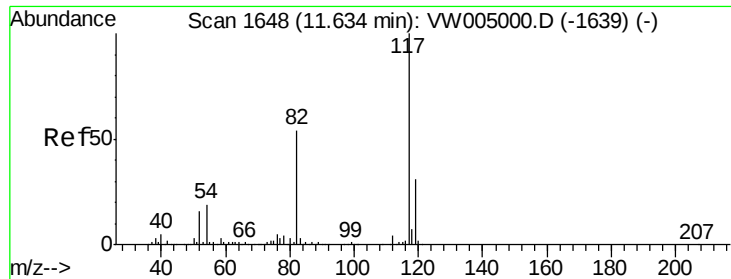
apatel
 8/30/2018 12:43:44 PM



#62
 4-Bromofluorobenzene
 Concen: 98.981 ug/l
 RT: 12.62 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.7	0.0	173.4
176	84.2	0.0	167.8





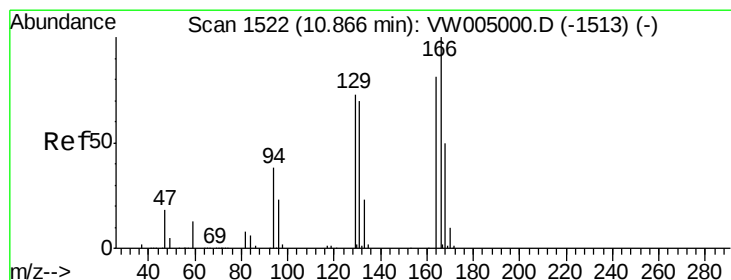
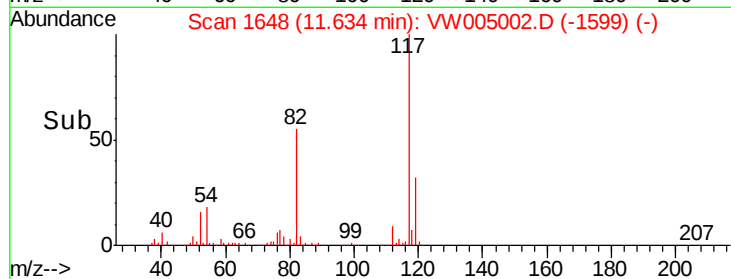
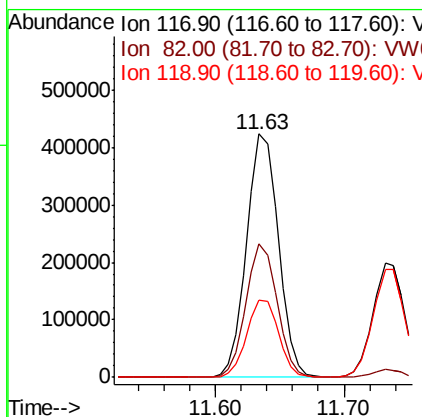
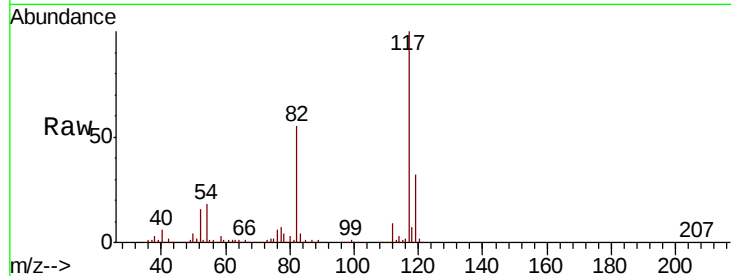
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	723763		
82	55.0	43.3	64.9	
119	31.7	25.0	37.6	

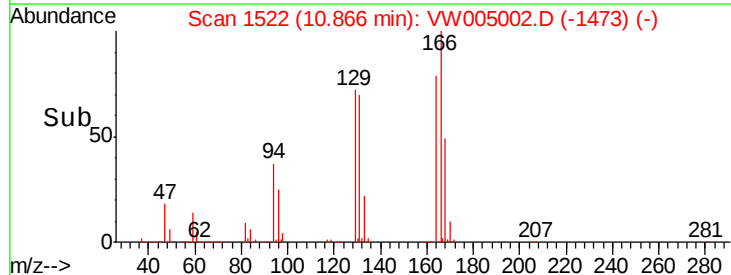
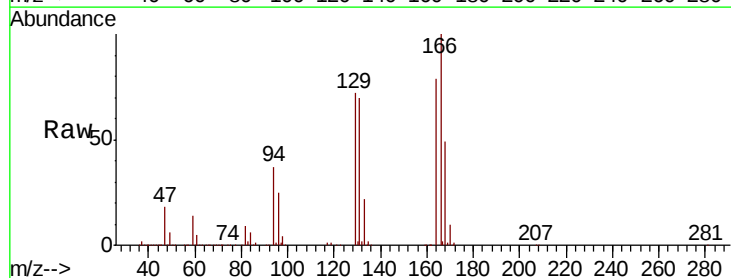
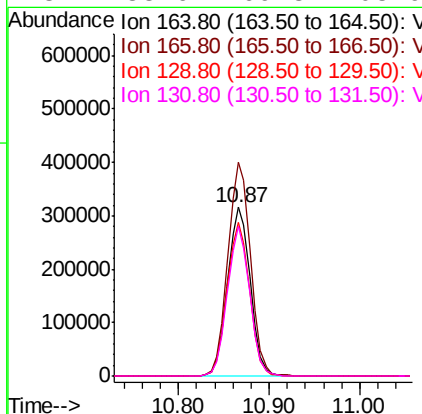
Manual Integrations
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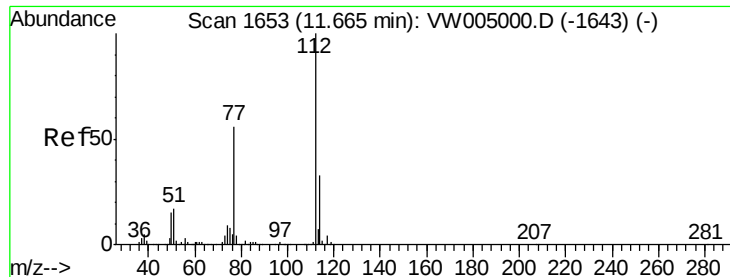
apatel
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#64
Tetrachloroethene
Concen: 103.290 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	545056		
166	126.8	99.4	149.0	
129	91.2	72.2	108.2	
131	88.6	69.3	103.9	





#65

Chlorobenzene

Concen: 103.219 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:112 Resp: 1641338

Ion Ratio Lower Upper

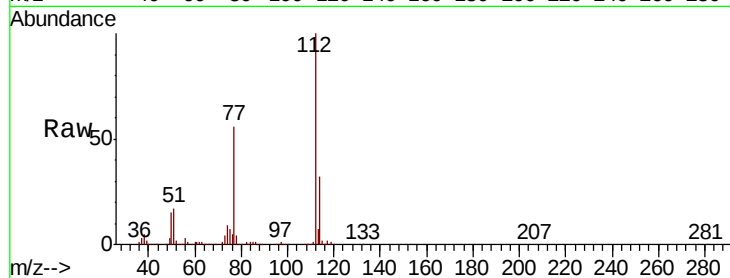
112 100

114 32.2 26.1 39.1

Manual Integrations
APPROVED

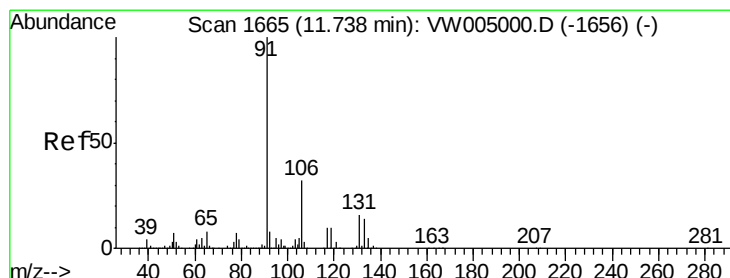
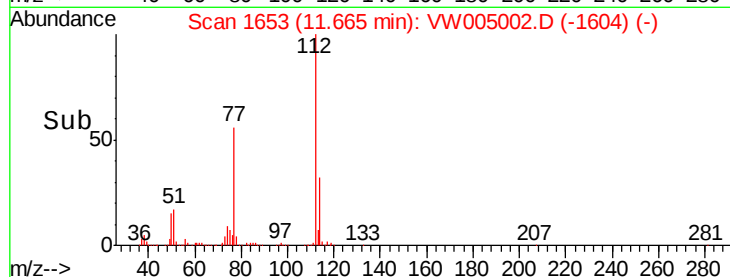
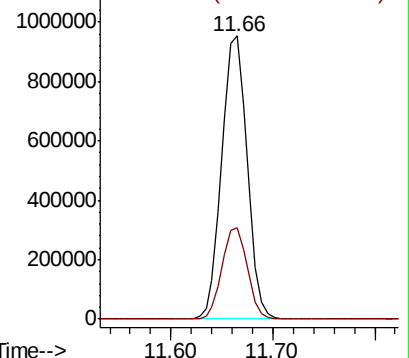
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 108.511 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

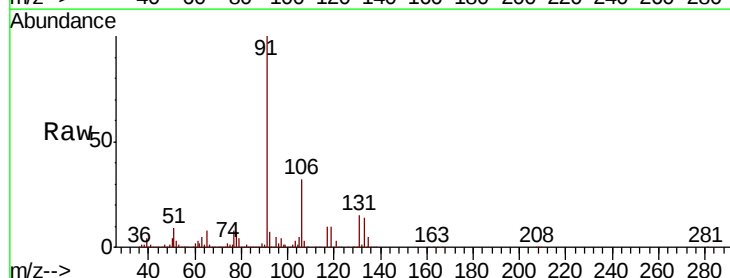
Tgt Ion:131 Resp: 473917

Ion Ratio Lower Upper

131 100

133 95.6 47.4 142.3

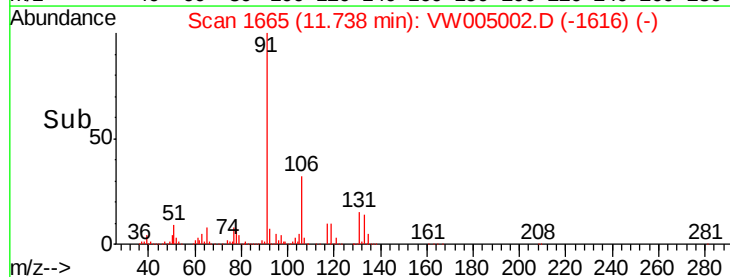
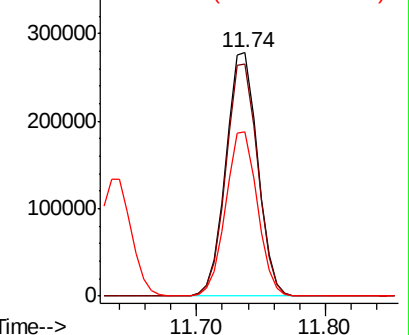
119 67.3 33.1 99.3

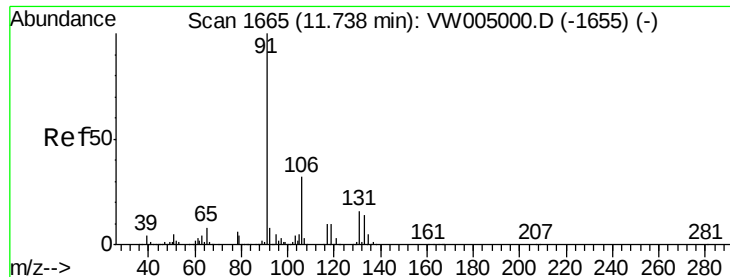


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





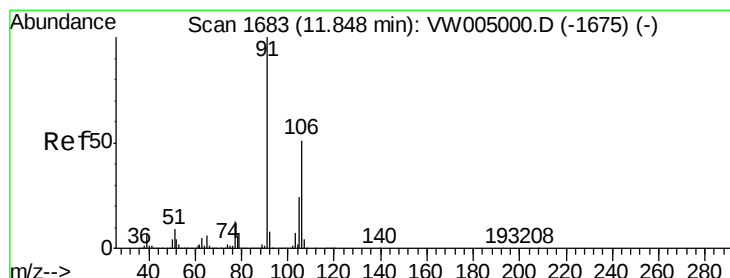
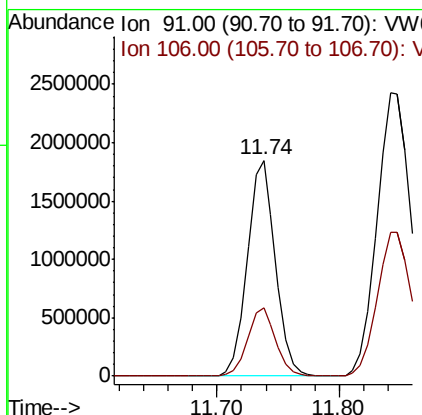
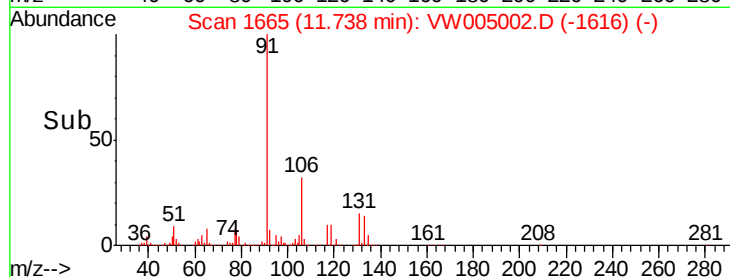
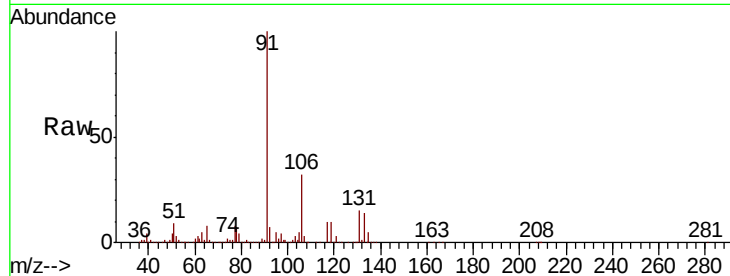
#67
Ethyl Benzene
Concen: 107.836 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 2936147
Ion Ratio Lower Upper
91 100
106 31.8 25.4 38.2

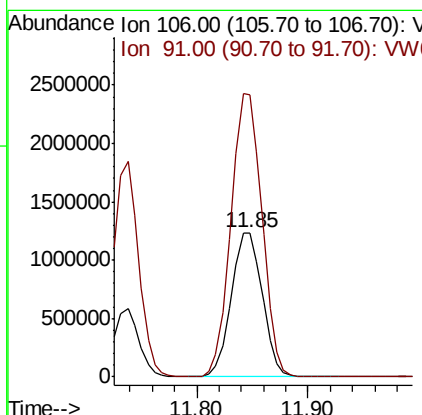
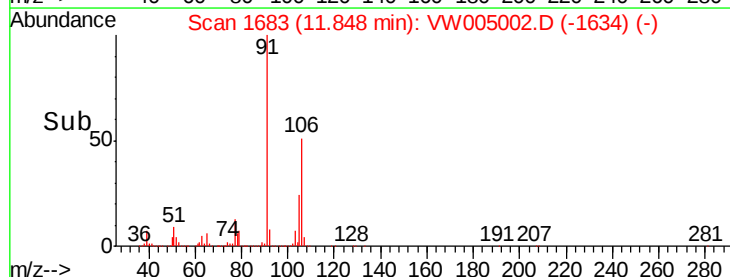
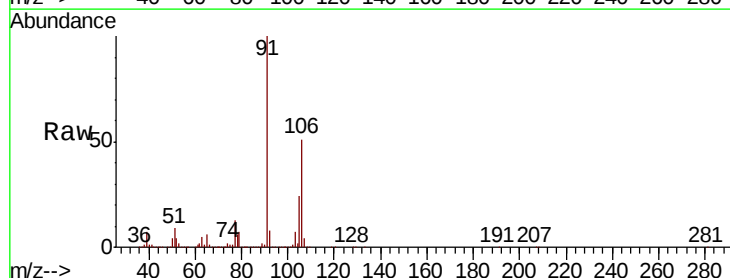
Manual Integrations
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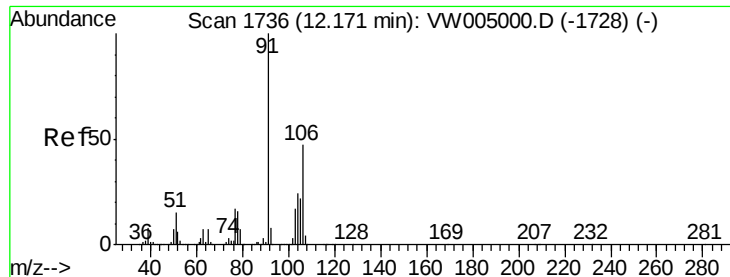
apatel
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#68
m/p-Xylenes
Concen: 214.022 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion:106 Resp: 2376810
Ion Ratio Lower Upper
106 100
91 196.9 158.4 237.6





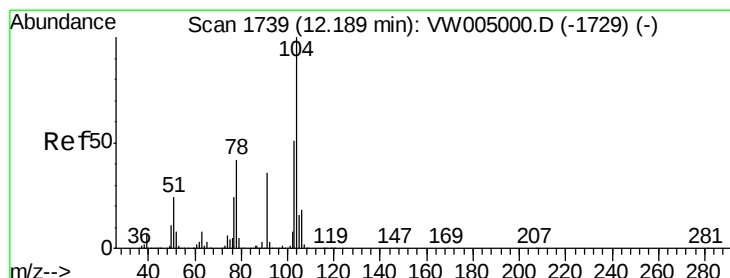
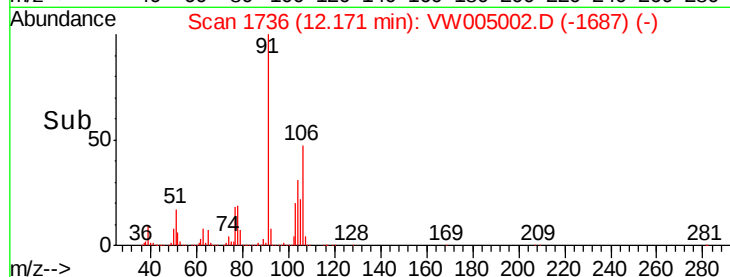
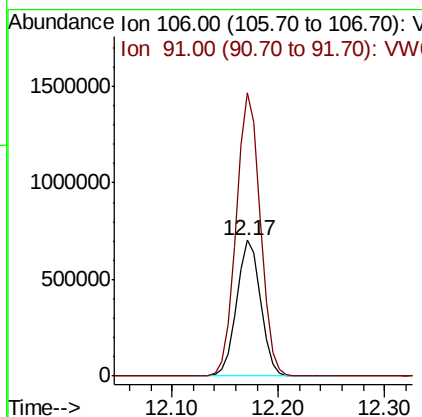
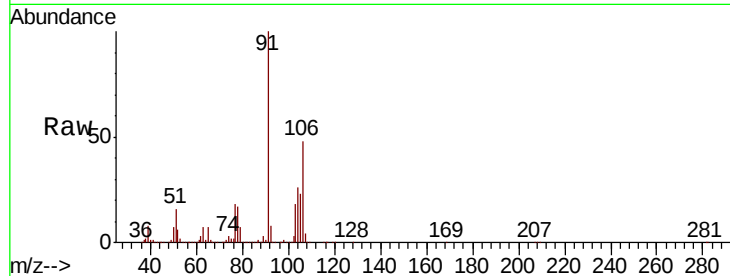
#69
o-Xylene
Concen: 109.889 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:106 Resp: 1115114
Ion Ratio Lower Upper
106 100
91 209.0 104.4 313.1

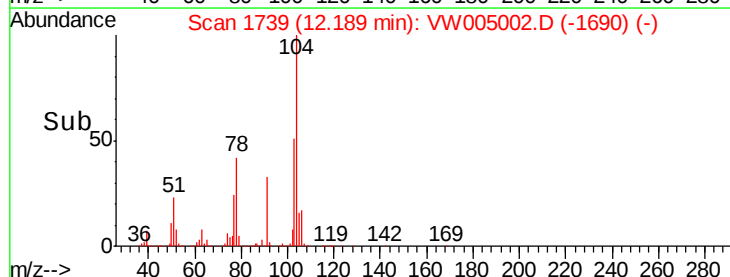
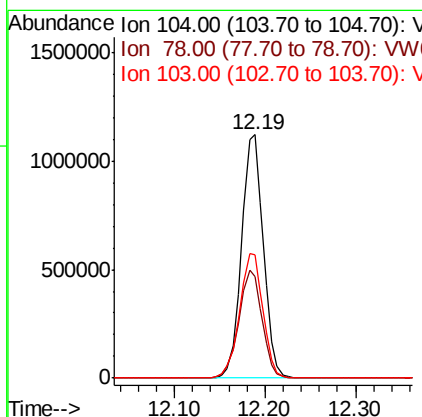
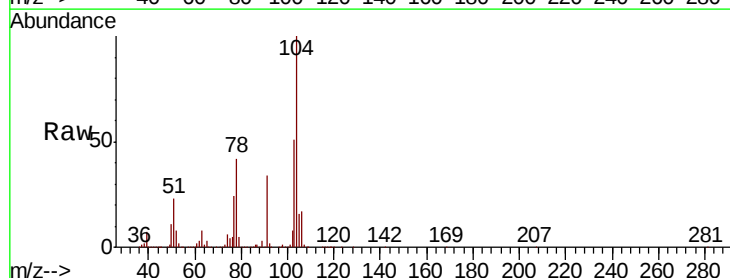
Manual Integrations
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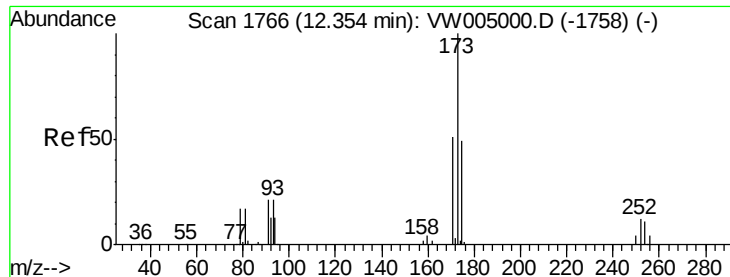
apatel
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#70
Styrene
Concen: 110.315 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion:104 Resp: 1856966
Ion Ratio Lower Upper
104 100
78 47.4 37.6 56.4
103 55.2 43.9 65.9





#71

Bromoform

Concen: 111.941 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

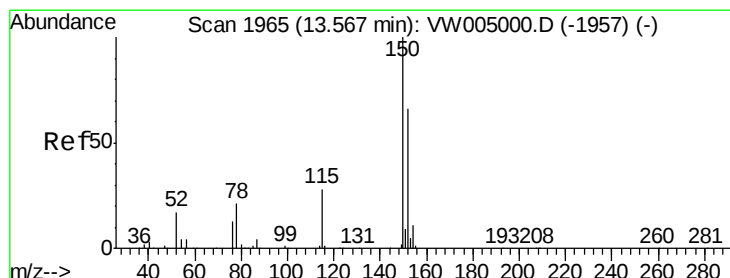
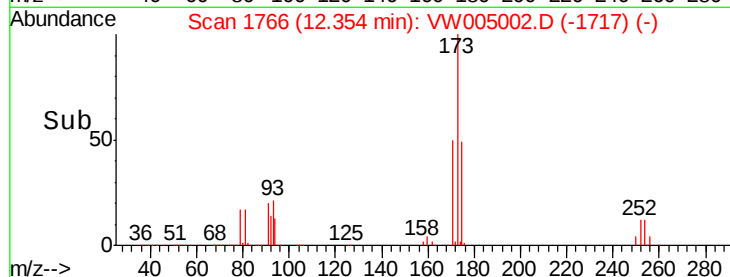
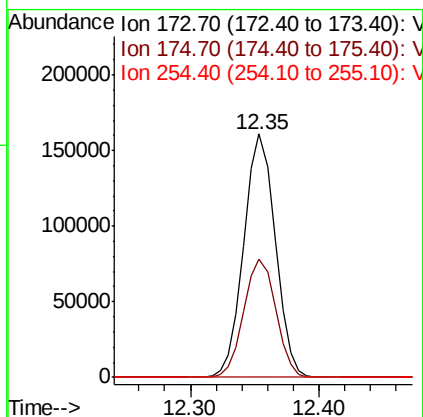
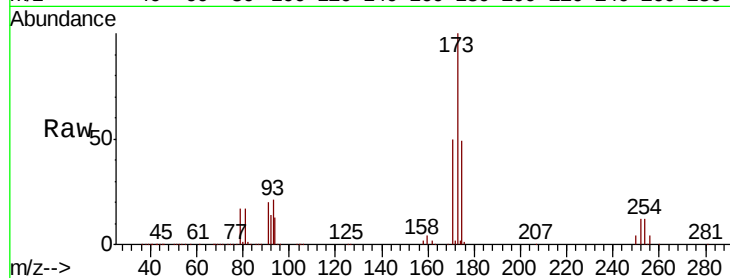
ClientSampleId :

VSTDIC100

Tot Ion:	173	Resp:	271839
Ion Ratio	Lower	Upper	
173	100		
175	49.3	24.3	73.0
254	0.1	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

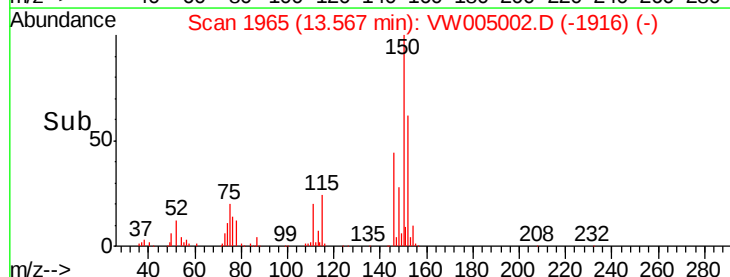
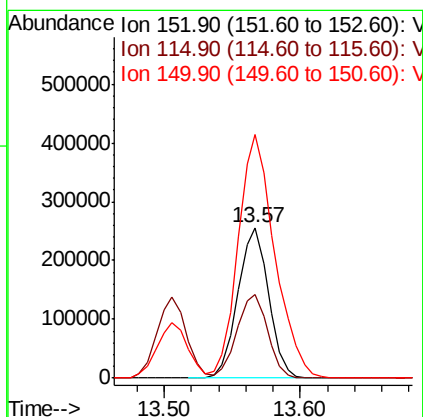
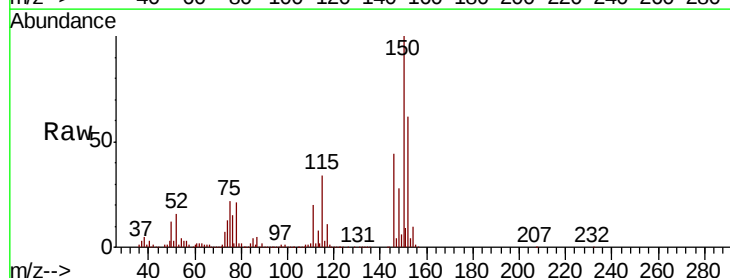
RT: 13.57 min Scan# 1965

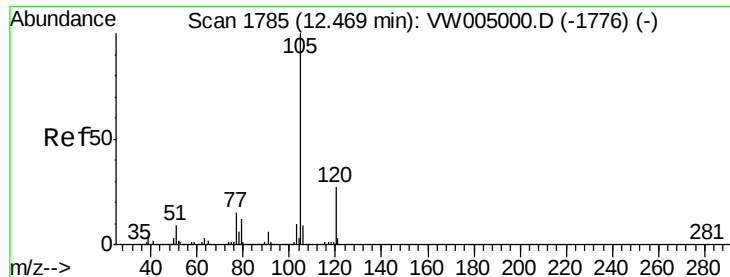
Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Tgt Ion:	152	Resp:	402024
Ion Ratio	Lower	Upper	
152	100		
115	55.6	28.0	83.9
150	193.0	0.0	347.2





#73

Isopropylbenzene

Concen: 110.985 ug/l

RT: 12.47 min Scan# 1785

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 105 Resp: 2974356

Ion Ratio Lower Upper

105 100

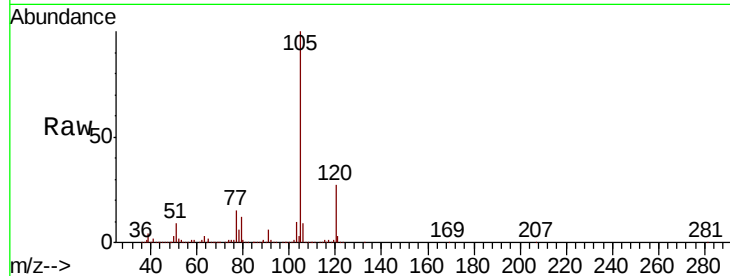
120 27.0 13.4 40.2

Manual Integrations

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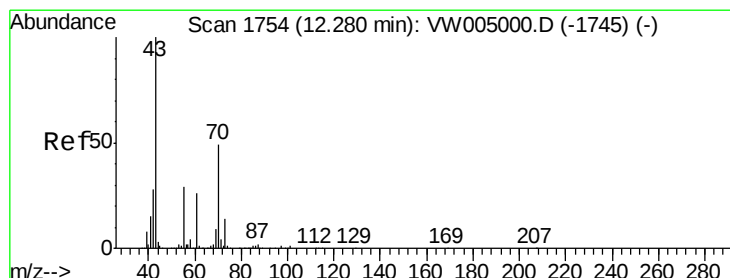
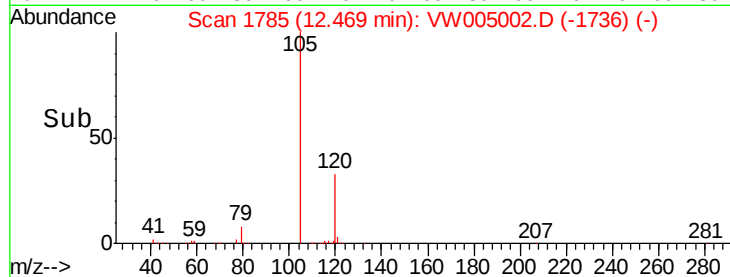
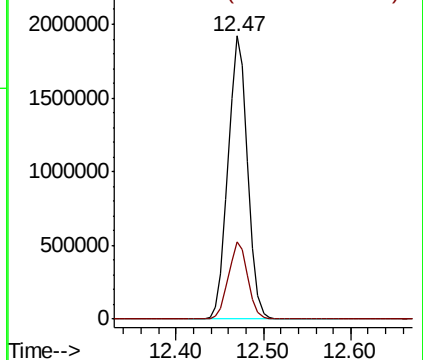
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 116.821 ug/l

RT: 12.28 min Scan# 1754

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Tgt Ion: 43 Resp: 590812

Ion Ratio Lower Upper

43 100

70 46.8 38.6 57.8

55 27.2 23.6 35.4

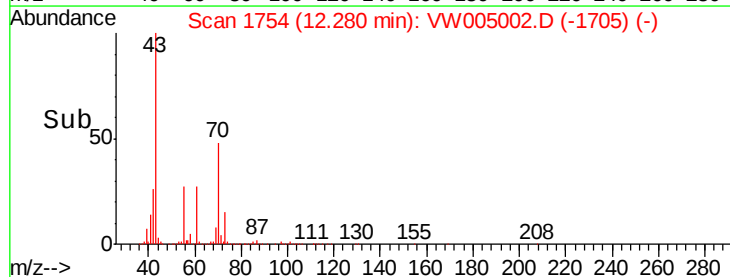
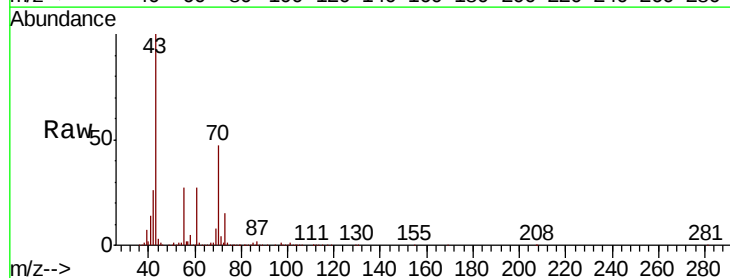
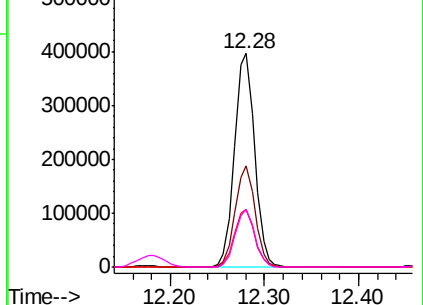
61 26.4 21.0 31.6

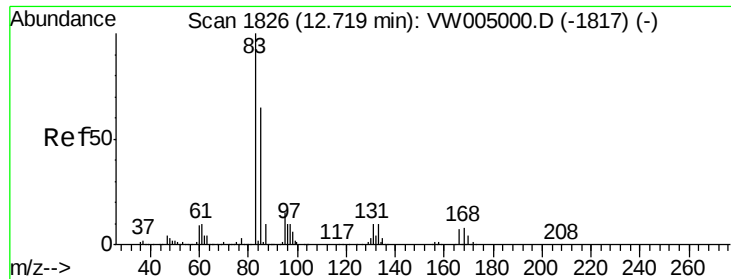
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 108.907 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

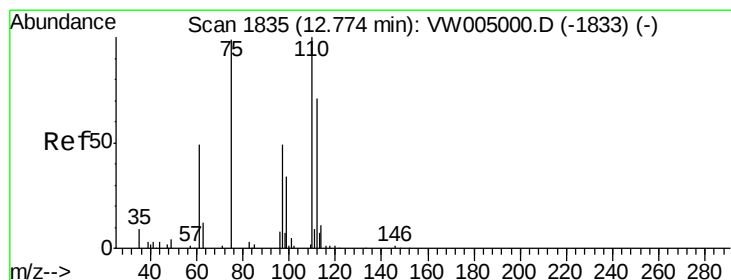
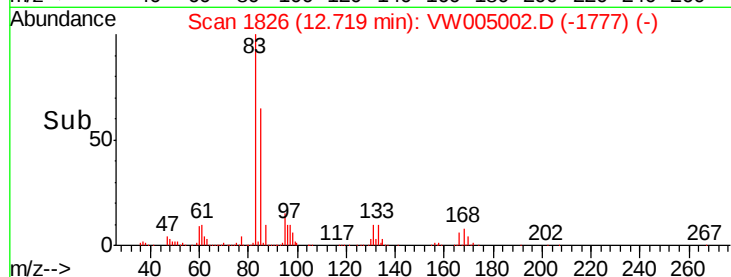
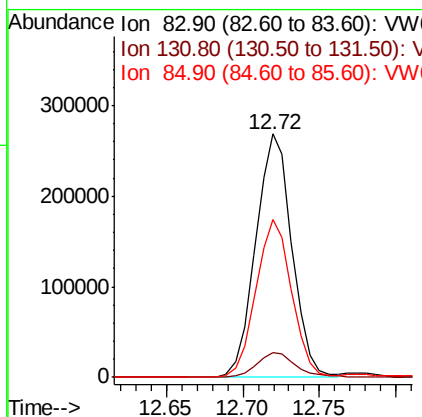
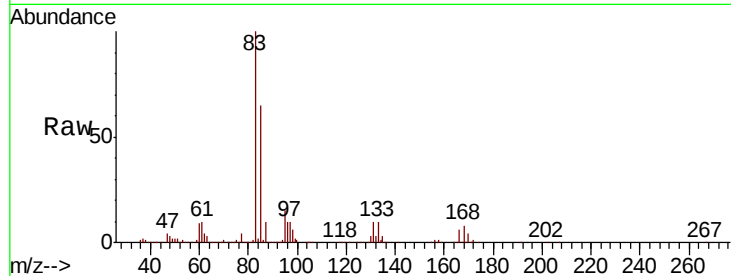
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	441915
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.5	16.5
85	64.0	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 58.323 ug/l m

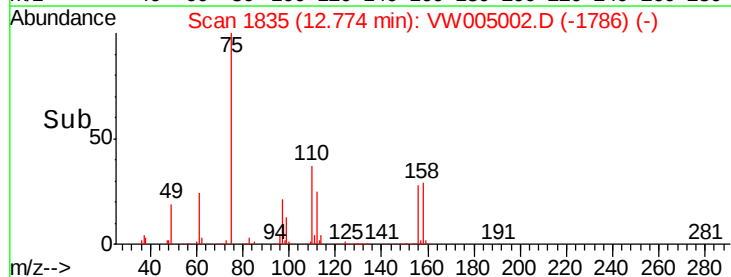
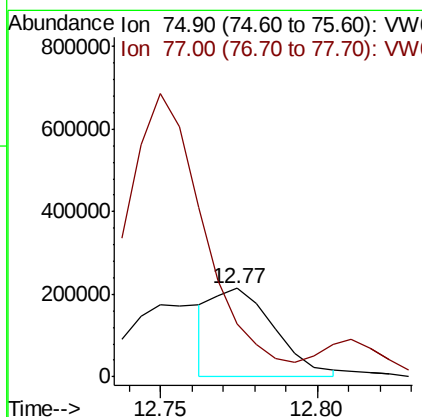
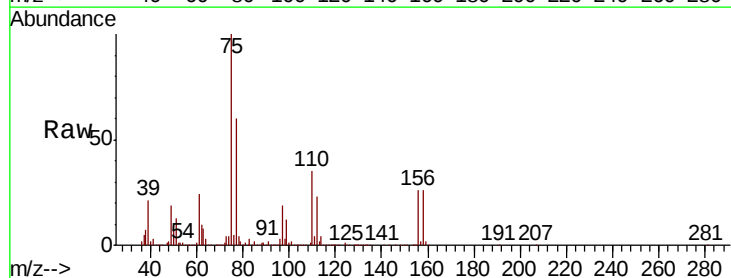
RT: 12.77 min Scan# 1835

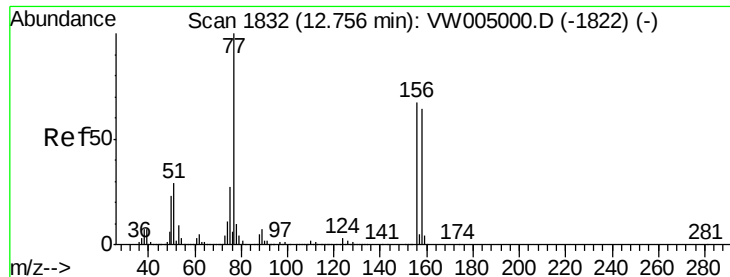
Delta R.T. 0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Tgt Ion:	75	Resp:	292687
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 105.596 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.01 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

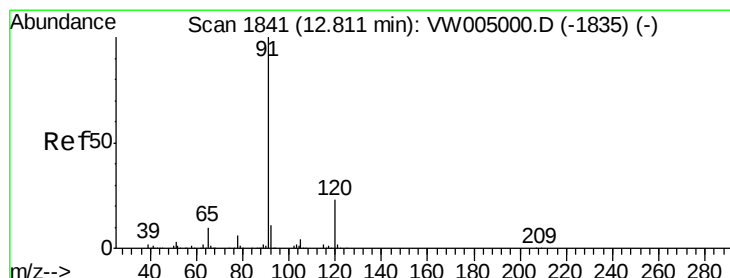
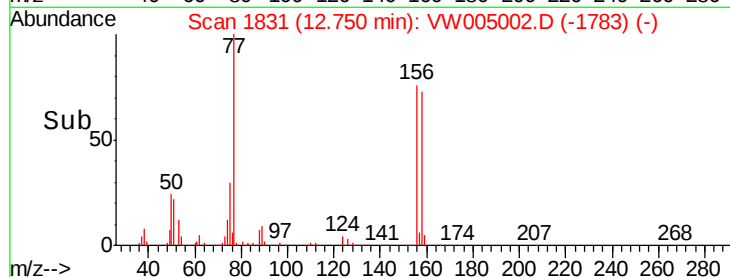
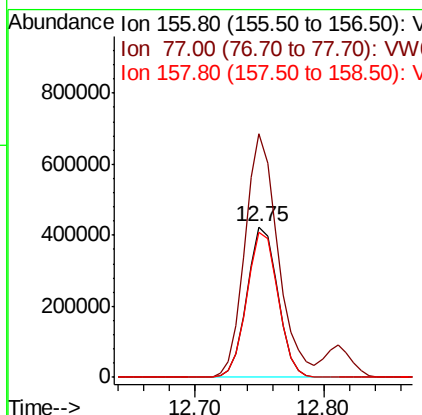
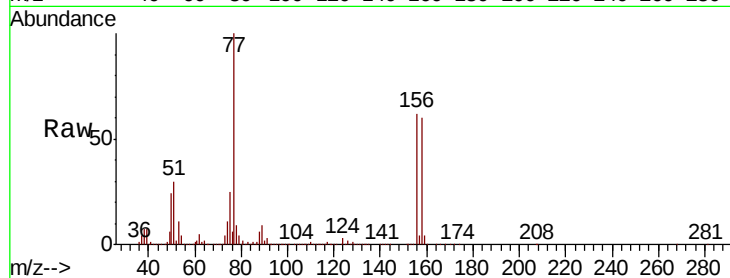
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	694344
Ion Ratio	Lower	Upper	
156	100		
77	174.9	86.9	260.6
158	97.8	48.6	145.9

Manual Integrations
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#78

n-propylbenzene

Concen: 110.122 ug/l

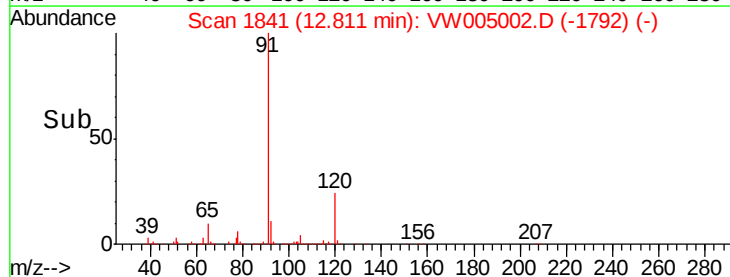
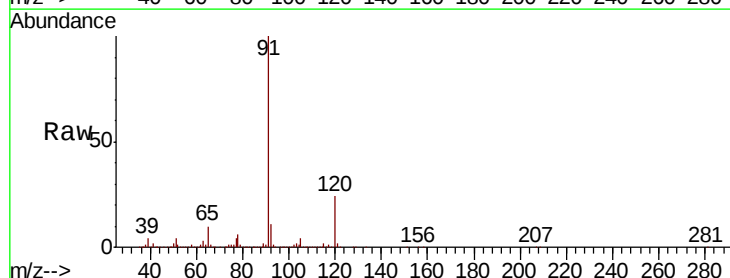
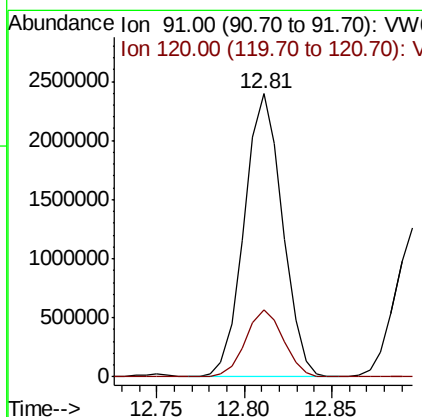
RT: 12.81 min Scan# 1841

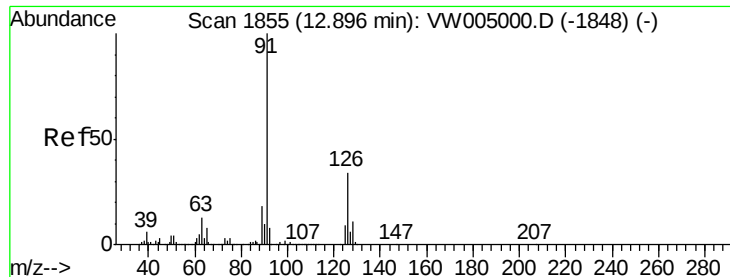
Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Tgt Ion:	91	Resp:	3640335
Ion Ratio	Lower	Upper	
91	100		
120	23.7	11.7	35.1





#79

2-Chlorotoluene

Concen: 107.271 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 2048105

Ion Ratio Lower Upper

91 100

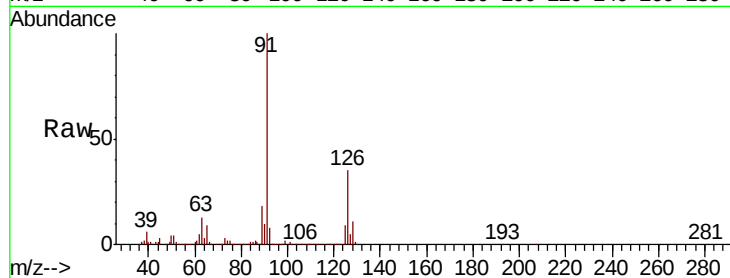
126 34.7 17.3 52.0

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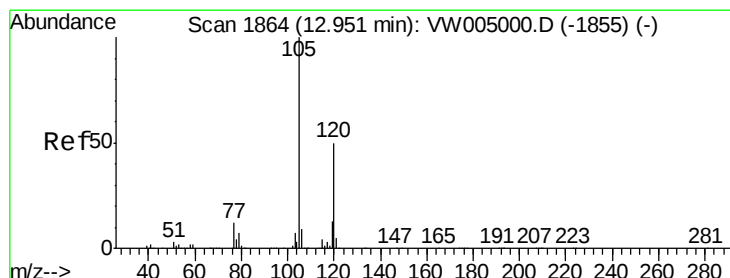
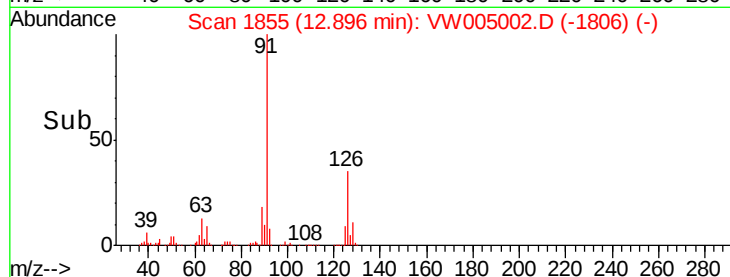
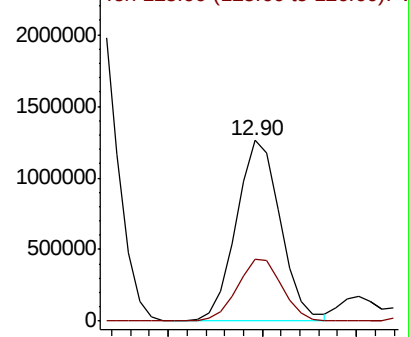
apatel

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 110.049 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW005002.D

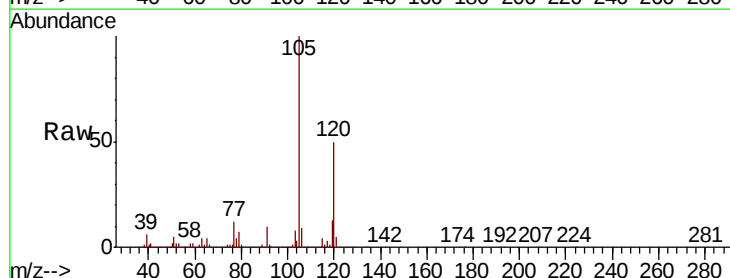
Acq: 29 Aug 2018 14:18

Tgt Ion:105 Resp: 2605725

Ion Ratio Lower Upper

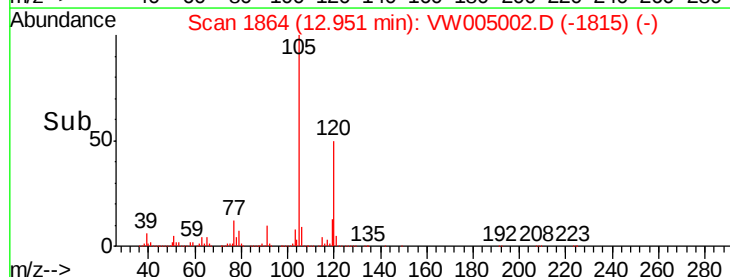
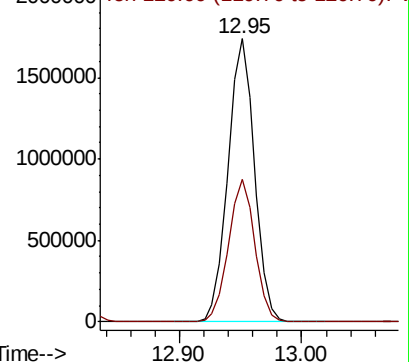
105 100

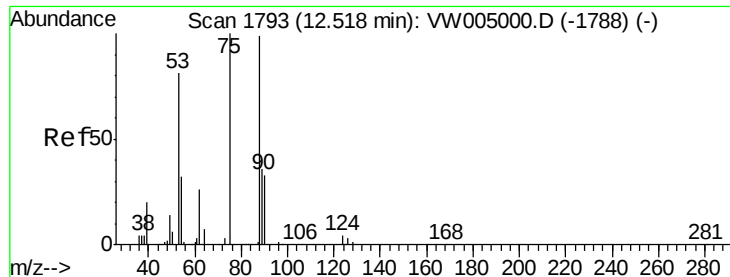
120 50.1 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





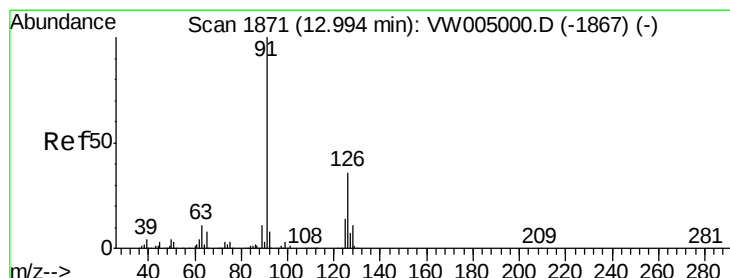
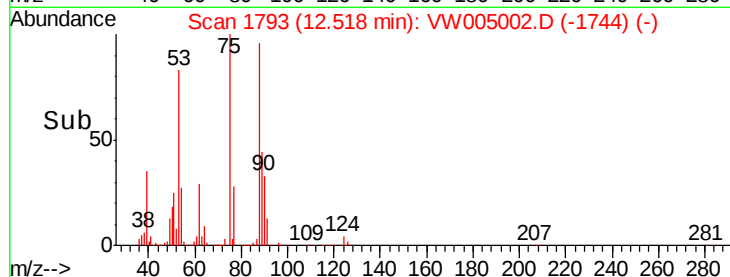
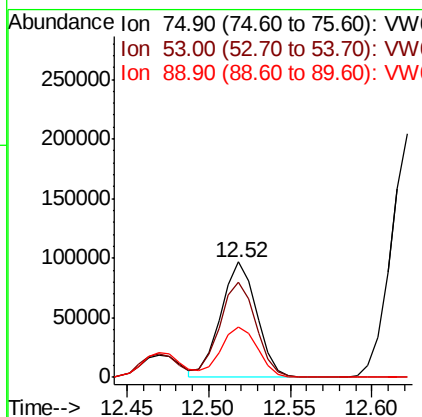
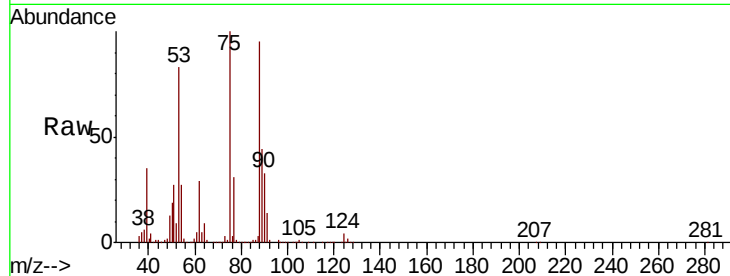
#81
trans-1,4-Dichloro-2-butene
Concen: 116.943 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
53	84.8	67.4	101.2
89	44.8	35.0	52.6

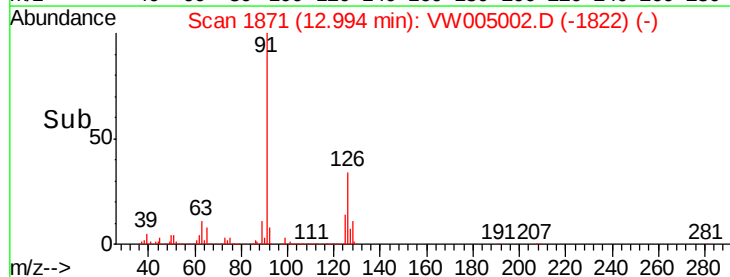
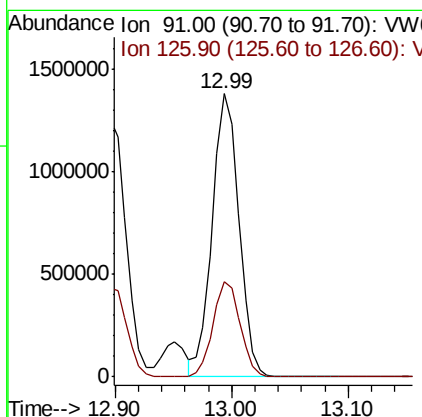
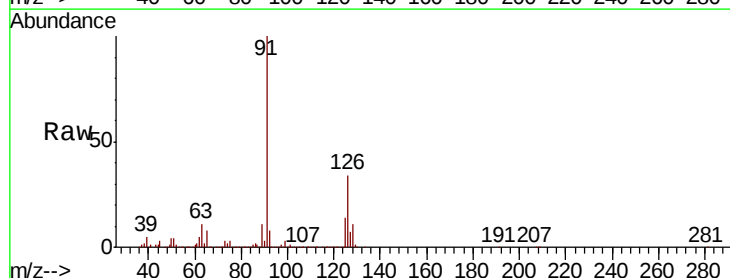
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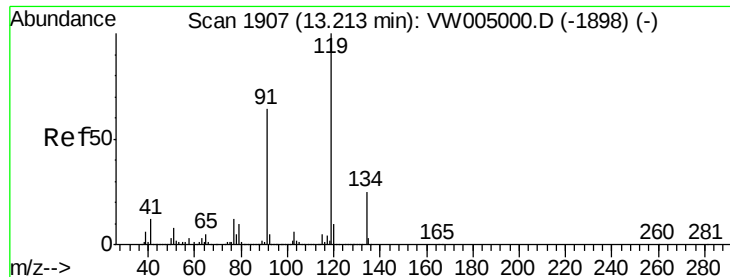
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#82
4-Chlorotoluene
Concen: 107.034 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.3	17.5	52.5





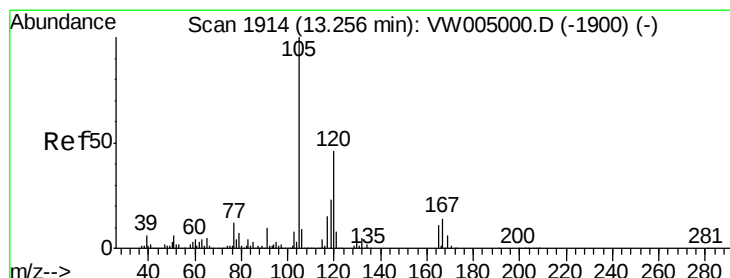
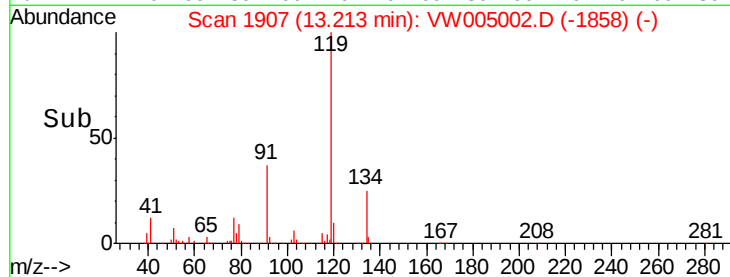
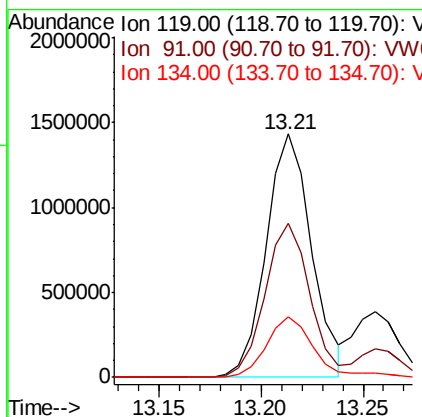
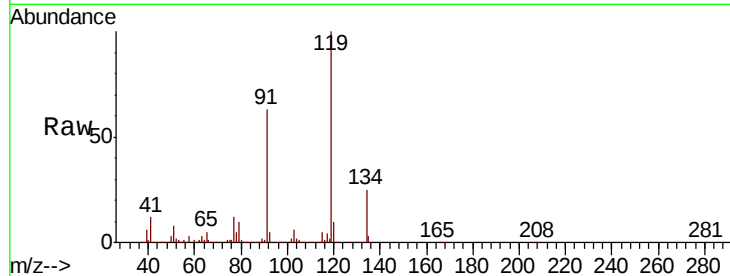
#83
 tert-Butylbenzene
 Concen: 111.694 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.3	31.9	95.5
134	26.2	13.2	39.5

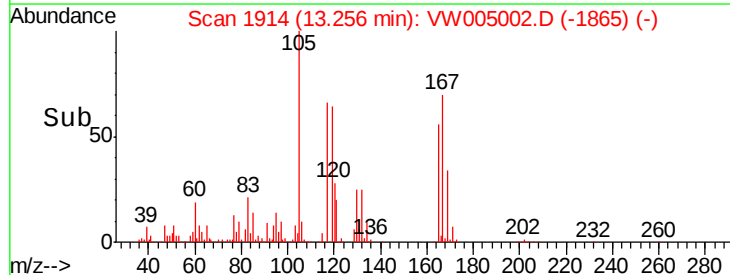
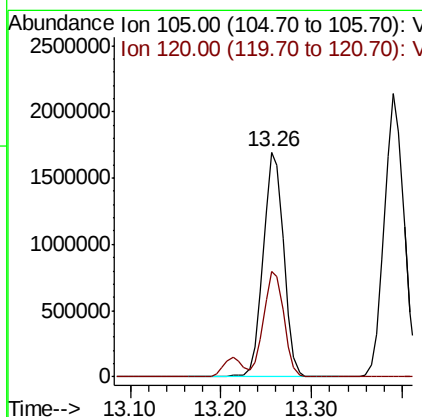
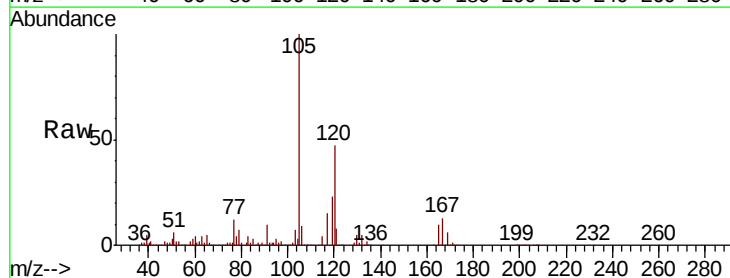
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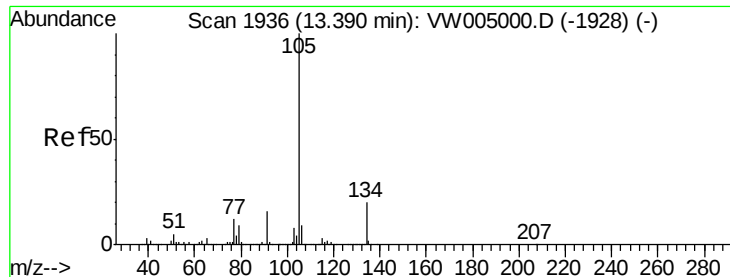
apatel
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#84
 1,2,4-Trimethylbenzene
 Concen: 110.200 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.9	68.7





#85

sec-Butylbenzene

Concen: 109.789 ug/l

RT: 13.39 min Scan# 1936

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 3205072

Ion Ratio Lower Upper

105 100

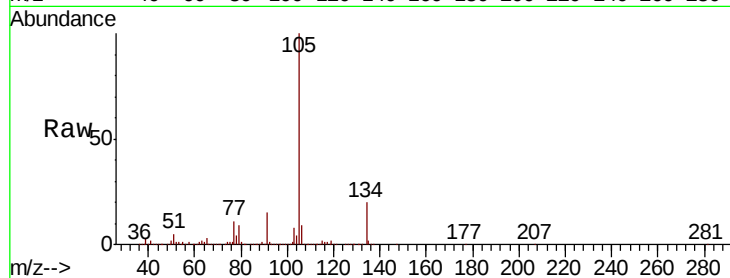
134 20.2 10.1 30.3

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

2500000

2000000

1500000

1000000

500000

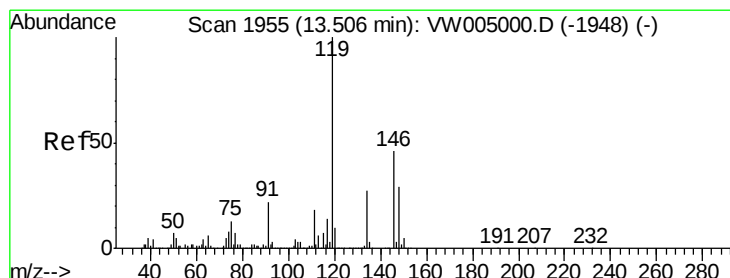
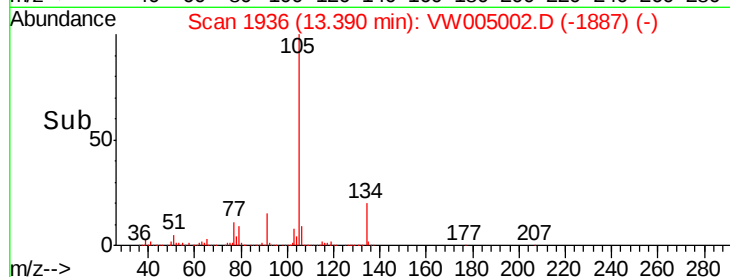
0

13.30

13.40

13.50

Time-->



#86

p-Isopropyltoluene

Concen: 111.611 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

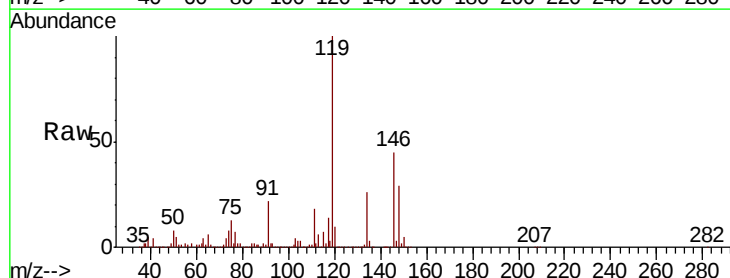
Tgt Ion:119 Resp: 2919073

Ion Ratio Lower Upper

119 100

134 26.4 13.1 39.3

91 21.8 10.9 32.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

2500000

2000000

1500000

1000000

500000

0

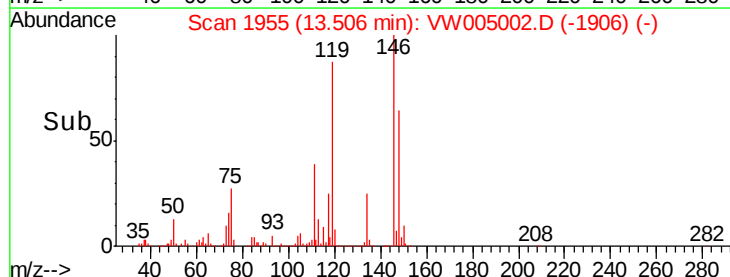
13.45

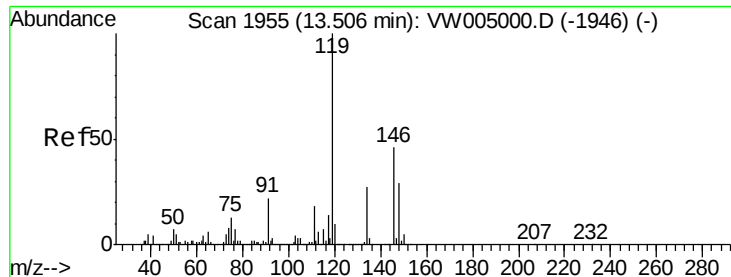
13.50

13.55

13.60

Time-->





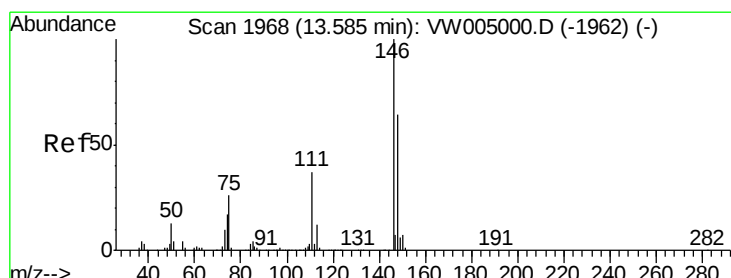
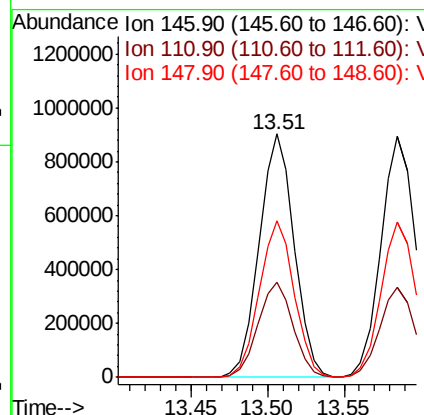
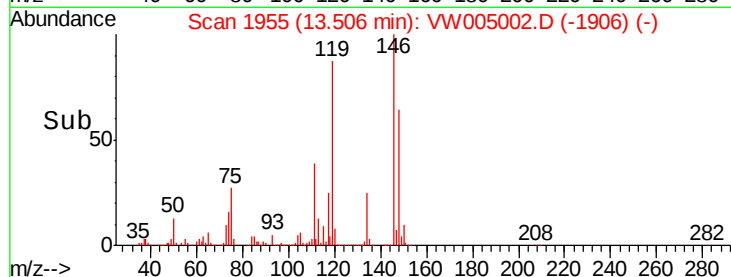
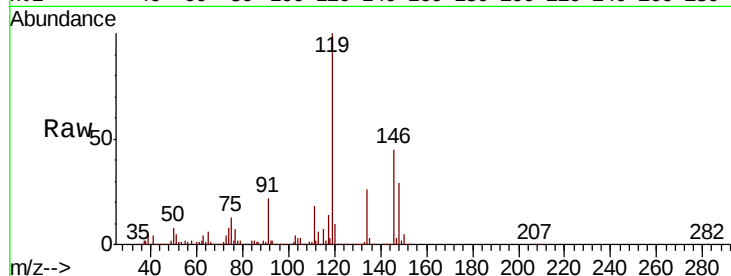
#87
 1,3-Dichlorobenzene
 Concen: 103.029 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.3	57.8
148	64.3	31.6	94.7

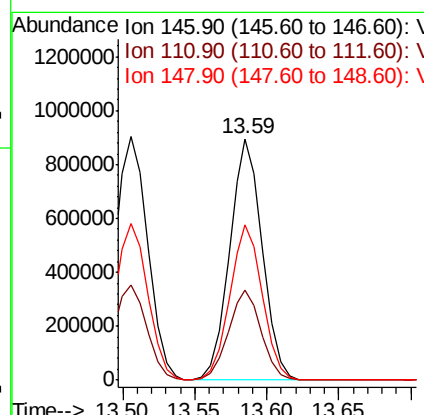
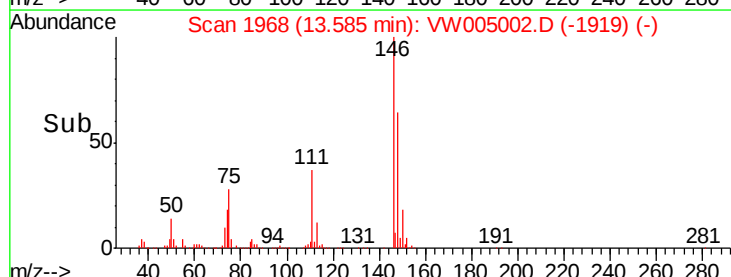
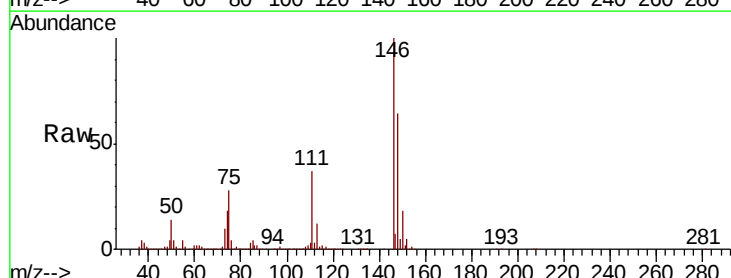
Manual Integrations
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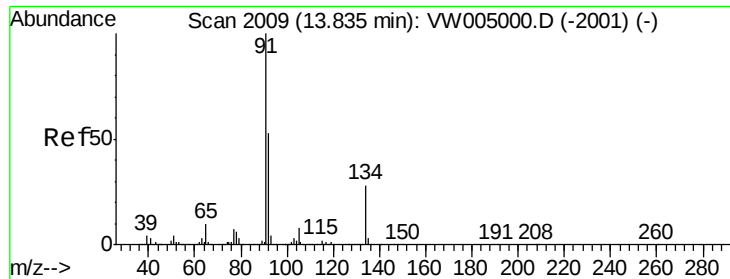
apatel
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#88
 1,4-Dichlorobenzene
 Concen: 102.169 ug/l
 RT: 13.59 min Scan# 1968
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.7	56.1
148	64.3	31.7	95.1





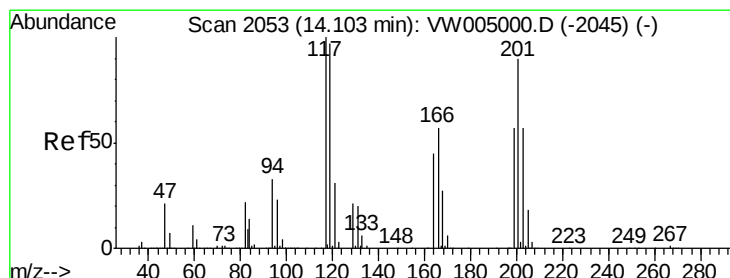
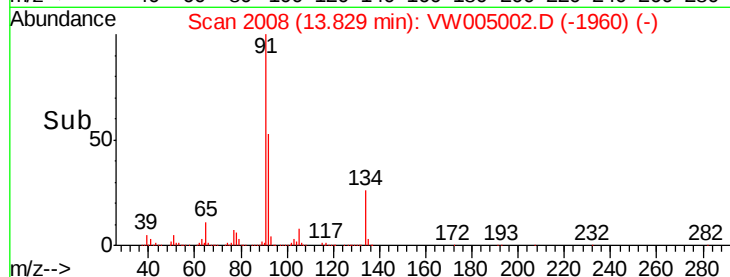
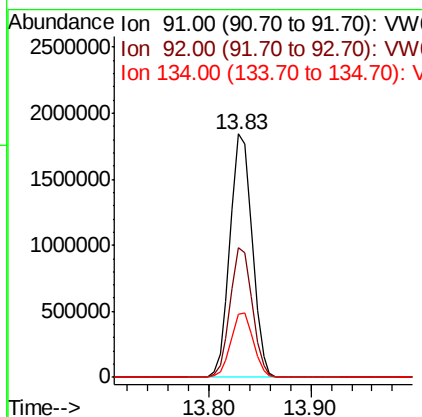
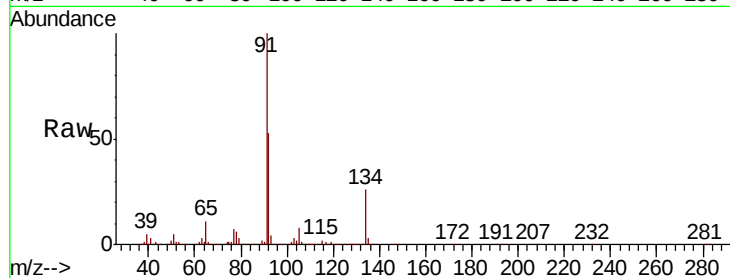
#89
n-Butylbenzene
Concen: 112.255 ug/l
RT: 13.83 min Scan# 2008
Delta R.T. -0.01 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Instrument :
MSVOA_W
ClientSampleID :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.5	79.4
134	26.8	13.4	40.1

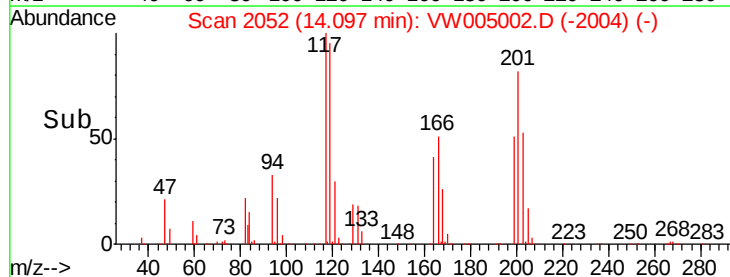
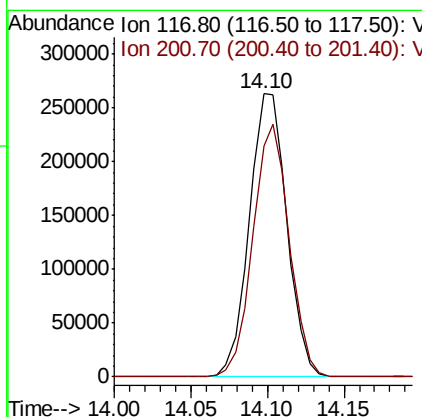
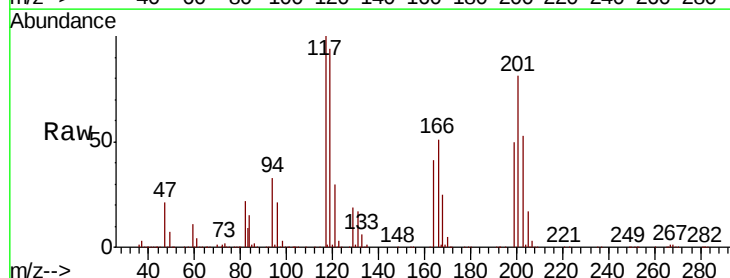
Manual Integrations
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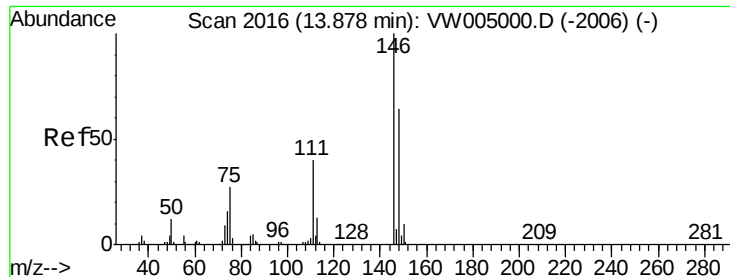
apatel
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#90
Hexachloroethane
Concen: 109.065 ug/l
RT: 14.10 min Scan# 2052
Delta R.T. -0.01 min
Lab File: VW005002.D
Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.6	44.3	132.8





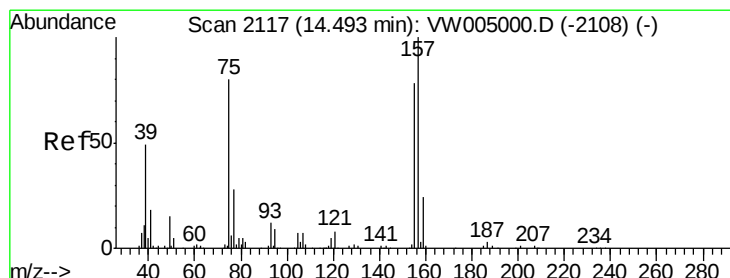
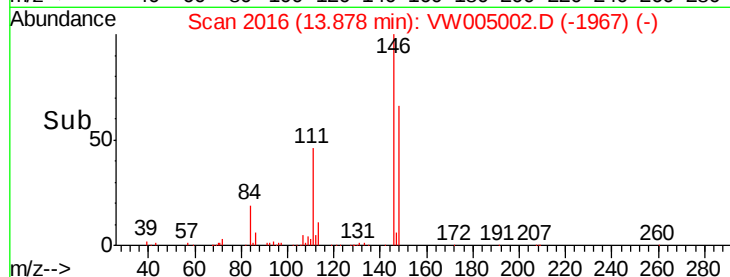
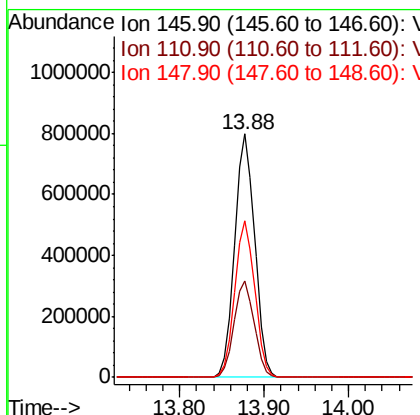
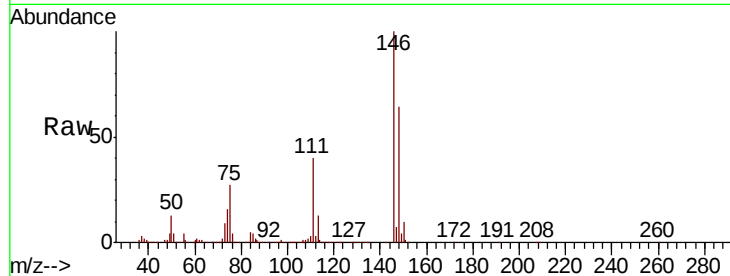
#91
 1,2-Dichlorobenzene
 Concen: 103.808 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.9	59.7
148	64.2	31.9	95.7

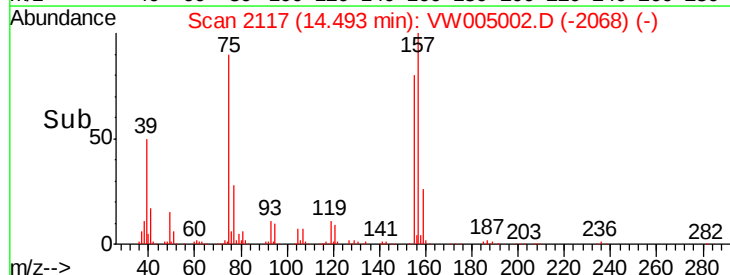
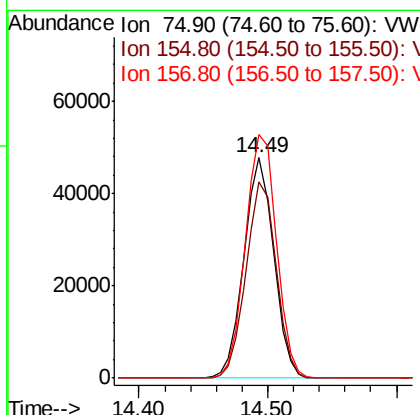
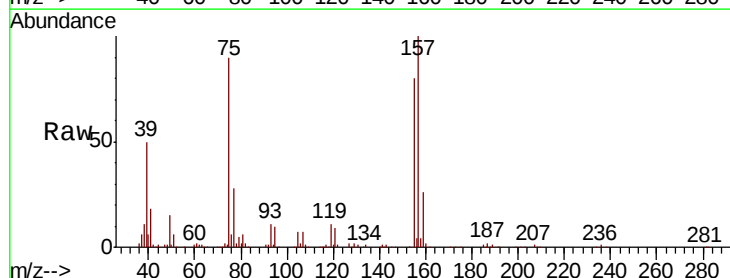
Manual Integrations
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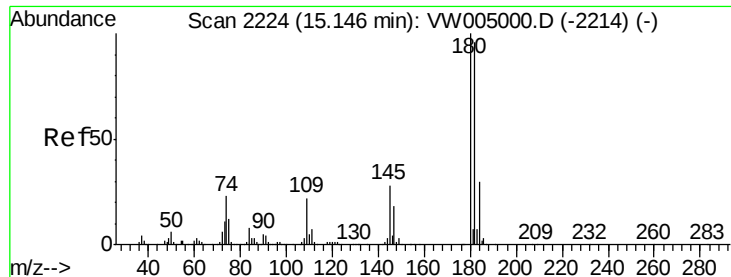
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 109.089 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.6	46.1	138.2
157	114.6	58.7	176.1





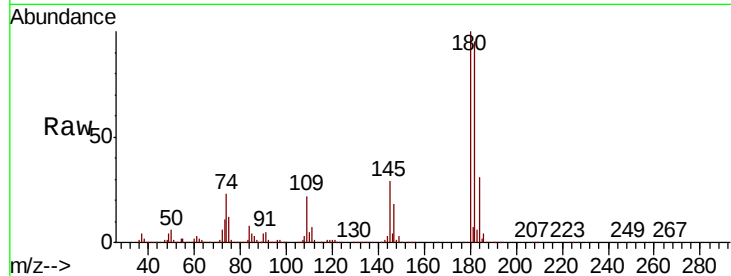
#93
 1,2,4-Trichlorobenzene
 Concen: 108.980 ug/l
 RT: 15.15 min Scan# 2224
 Delta R.T. -0.00 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

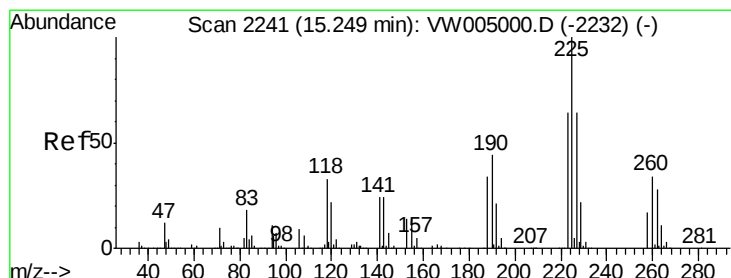
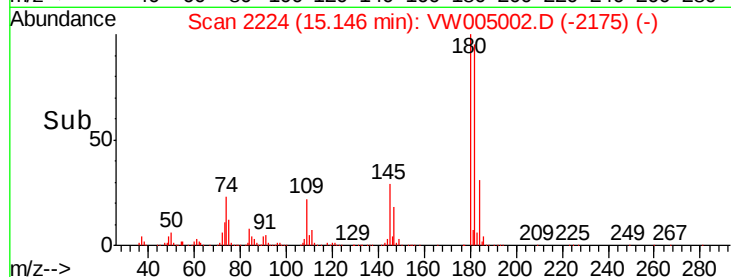
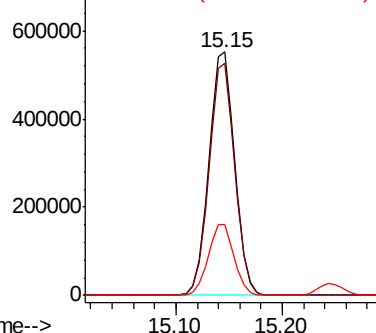
Tot Ion:	180	Resp:	936846
Ion Ratio	Lower	Upper	
180	100		
182	94.7	47.6	142.8
145	29.2	14.3	42.9

Manual Integrations
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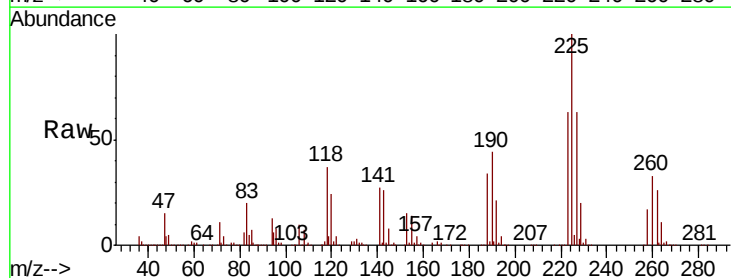


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

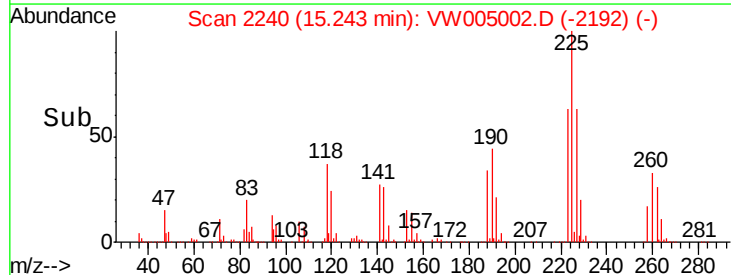
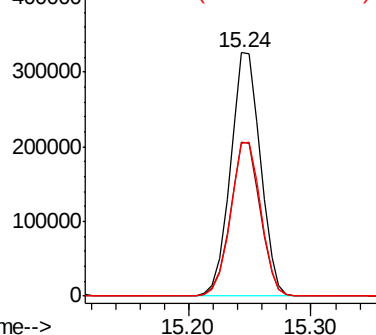


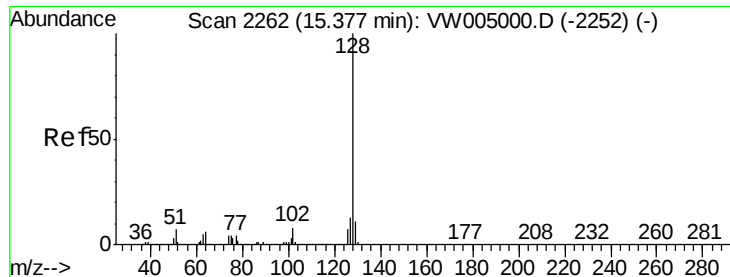
#94
 Hexachlorobutadiene
 Concen: 103.547 ug/l
 RT: 15.24 min Scan# 2240
 Delta R.T. -0.01 min
 Lab File: VW005002.D
 Acq: 29 Aug 2018 14:18

Tgt Ion:	225	Resp:	557194
Ion Ratio	Lower	Upper	
225	100		
223	63.0	32.0	96.0
227	63.8	31.9	95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 119.111 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:128 Resp: 1679882

Ion Ratio Lower Upper

128 100

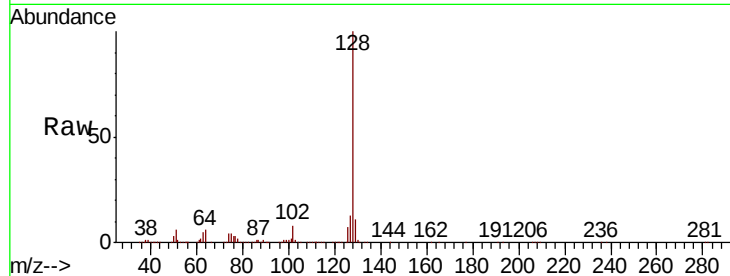
127 12.9 10.5 15.7

129 11.1 8.7 13.1

Manual Integrations
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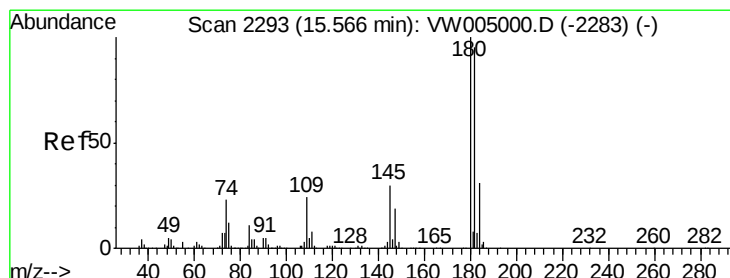
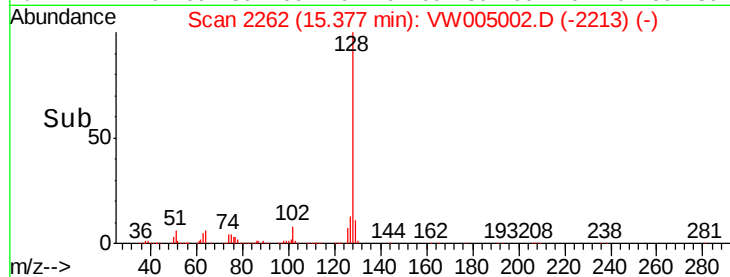
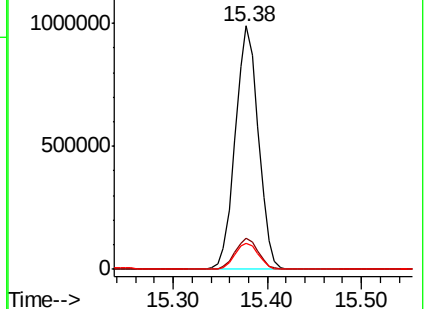
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Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 108.094 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW005002.D

Acq: 29 Aug 2018 14:18

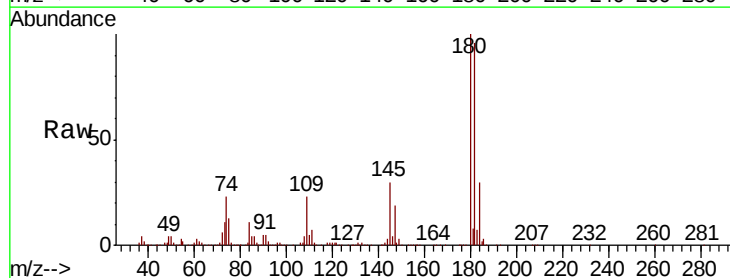
Tgt Ion:180 Resp: 820896

Ion Ratio Lower Upper

180 100

182 95.8 47.6 142.8

145 30.5 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

