

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW090818\
 Data File : VW005231.D
 Acq On : 08 Sep 2018 01:53
 Operator : SY/AP
 Sample : VSTDIC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 34 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Manual Integrations
 APPROVED

apatel
 9/10/2018 10:42:31 AM

Quant Time: Sep 08 03:48:53 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W090818S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 08 02:41:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	485754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	716010	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	709034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	378542	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	382216	94.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	189.80%	
35) Dibromofluoromethane	7.89	113	388528	94.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	188.98%	
50) Toluene-d8	10.33	98	1932815	101.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	202.58%	
62) 4-Bromofluorobenzene	12.63	95	707130	104.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	209.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	381029	97.64	ug/l	99
3) Chloromethane	2.22	50	567846	101.47	ug/l	99
4) Vinyl Chloride	2.36	62	513735	94.96	ug/l	99
5) Bromomethane	2.75	94	322250	86.56	ug/l	97
6) Chloroethane	2.91	64	299248	89.95	ug/l	99
7) Trichlorofluoromethane	3.26	101	539921	88.82	ug/l	99
8) Diethyl Ether	3.69	74	224419	101.32	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	375764	89.67	ug/l	99
10) Methyl Iodide	4.28	142	580845	109.06	ug/l	100
11) Tert butyl alcohol	5.17	59	164527	561.50	ug/l	99
12) 1,1-Dichloroethene	4.04	96	377417	97.84	ug/l	99
13) Acrolein	3.90	56	156744	588.81	ug/l	99
14) Allyl chloride	4.68	41	619860	102.93	ug/l	99
15) Acrylonitrile	5.37	53	547853	576.50	ug/l	99
16) Acetone	4.13	43	364908	463.45	ug/l	100
17) Carbon Disulfide	4.38	76	1440618	106.73	ug/l	99
18) Methyl Acetate	4.68	43	247633	105.52	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	997878	105.63	ug/l	99
20) Methylene Chloride	4.92	84	525544	79.81	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	457146	97.35	ug/l	98
22) Diisopropyl ether	6.32	45	1346392	106.06	ug/l	98
23) Vinyl Acetate	6.26	43	3641895	543.01	ug/l	100
24) 1,1-Dichloroethane	6.23	63	767233	97.03	ug/l	100
25) 2-Butanone	7.18	43	602937	445.59	ug/l	97
26) 2,2-Dichloropropane	7.18	77	542675	84.09	ug/l	99
27) cis-1,2-Dichloroethene	7.18	96	506154	98.72	ug/l	99
28) Bromochloromethane	7.52	49	285721	89.94	ug/l	98
29) Tetrahydrofuran	7.53	42	423807	591.03	ug/l	100
30) Chloroform	7.68	83	767943	95.17	ug/l	100
31) Cyclohexane	7.96	56	734590	93.99	ug/l	97
32) 1,1,1-Trichloroethane	7.88	97	635102	90.29	ug/l	100
36) 1,1-Dichloropropene	8.09	75	633597	94.70	ug/l	99
37) Ethyl Acetate	7.26	43	264457	104.05	ug/l	98
38) Carbon Tetrachloride	8.07	117	562313	88.70	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	873258	107.41	ug/l	99
40) Benzene	8.33	78	2037742	99.38	ug/l	99
41) Methacrylonitrile	7.49	41	154511	106.10	ug/l	96
42) 1,2-Dichloroethane	8.41	62	473289	94.44	ug/l	100
43) Isopropyl Acetate	8.43	43	527294	113.63	ug/l	99
44) Trichloroethene	9.10	130	524070	94.91	ug/l	100
45) 1,2-Dichloropropane	9.38	63	476730	95.46	ug/l	98
46) Dibromomethane	9.46	93	230534	96.51	ug/l	99
47) Bromodichloromethane	9.65	83	555746	92.56	ug/l	98
48) Methyl methacrylate	9.44	41	292360	128.82	ug/l	99
49) 1,4-Dioxane	9.45	88	93917	2392.92	ug/l	98
51) 4-Methyl-2-Pentanone	10.21	43	1513865	503.95	ug/l	100
52) Toluene	10.40	92	1439781	103.61	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	627797	105.57	ug/l	97
54) cis-1,3-Dichloropropene	10.08	75	719341	100.06	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	368307	99.07	ug/l	99
56) Ethyl methacrylate	10.65	69	538143	124.57	ug/l	100
57) 1,3-Dichloropropane	10.94	76	628362	102.22	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	1099856	546.36	ug/l	100
59) 2-Hexanone	10.98	43	1079421	528.89	ug/l	100
60) Dibromochloromethane	11.13	129	426356	101.41	ug/l	99
61) 1,2-Dibromoethane	11.24	107	351218	104.00	ug/l	100
64) Tetrachloroethene	10.87	164	551936	99.67	ug/l	97
65) Chlorobenzene	11.66	112	1587638	100.79	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	480001	99.85	ug/l	99
67) Ethyl Benzene	11.74	91	2811642	105.92	ug/l	100
68) m/p-Xylenes	11.85	106	2222473	209.35	ug/l	99
69) o-Xylene	12.17	106	1049540	106.51	ug/l	99
70) Styrene	12.19	104	1769617	109.05	ug/l	100
71) Bromoform	12.35	173	275496	107.15	ug/l #	99
73) Isopropylbenzene	12.47	105	2800809	106.50	ug/l	100
74) N-amyl acetate	12.28	43	602156	128.93	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	449441	110.07	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	311235m	108.60	ug/l	
77) Bromobenzene	12.76	156	671800	103.43	ug/l	98
78) n-propylbenzene	12.81	91	3359146	106.09	ug/l	100
79) 2-Chlorotoluene	12.90	91	1927820	104.11	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	2439085	107.76	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.52	75	134019	113.72	ug/l	98
82) 4-Chlorotoluene	13.00	91	2010542	102.76	ug/l	100
83) tert-Butylbenzene	13.21	119	2046877	107.32	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	2479116	107.55	ug/l	99
85) sec-Butylbenzene	13.39	105	2963590	106.32	ug/l	100
86) p-Isopropyltoluene	13.51	119	2694983	109.30	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	1366989	102.66	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	1342433	101.47	ug/l	100
89) n-Butylbenzene	13.83	91	2536735	111.22	ug/l	100
90) Hexachloroethane	14.10	117	433236	105.23	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	1225063	105.13	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	77885	120.53	ug/l	99

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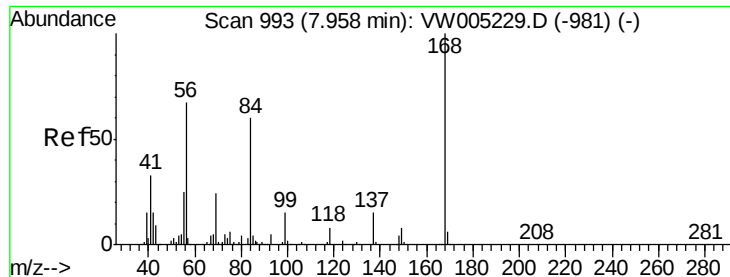
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	894119	114.90	ug/l	100
94) Hexachlorobutadiene	15.24	225	523083	107.43	ug/l	100
95) Naphthalene	15.38	128	1644168	133.24	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	784059	117.26	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 485754

Ion Ratio Lower Upper

168 100

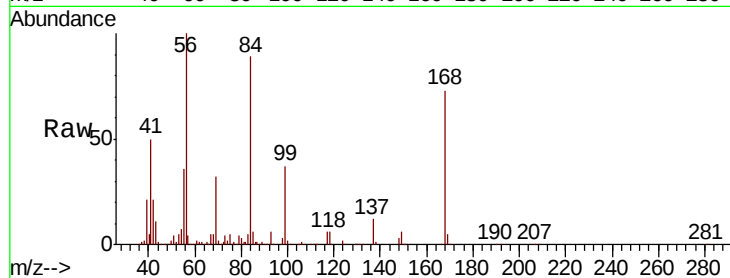
99 50.5 39.4 59.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

250000

200000

150000

100000

50000

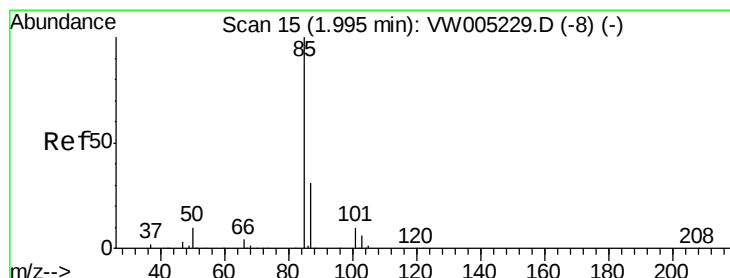
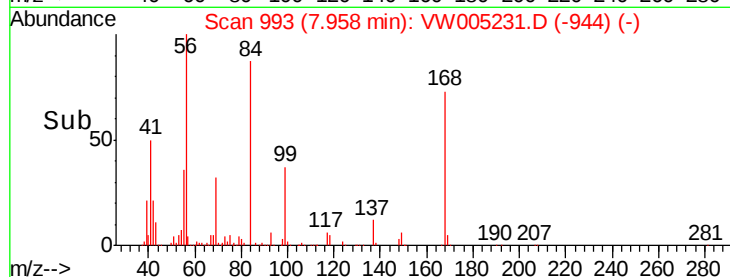
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 97.64 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.01 min

Lab File: VW005231.D

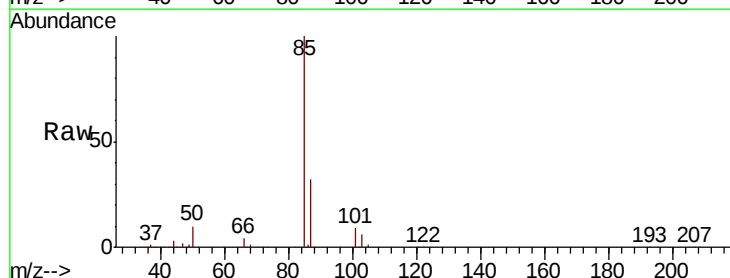
Acq: 08 Sep 2018 01:53

Tgt Ion: 85 Resp: 381029

Ion Ratio Lower Upper

85 100

87 32.0 15.7 47.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

300000

250000

200000

150000

100000

50000

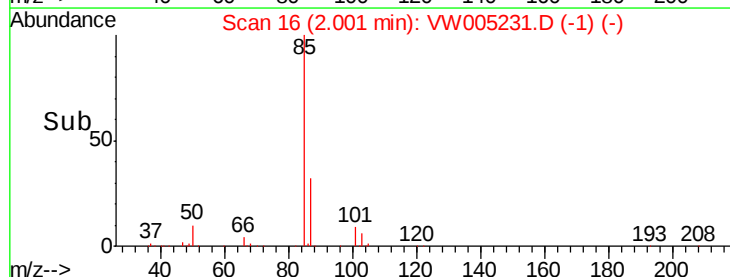
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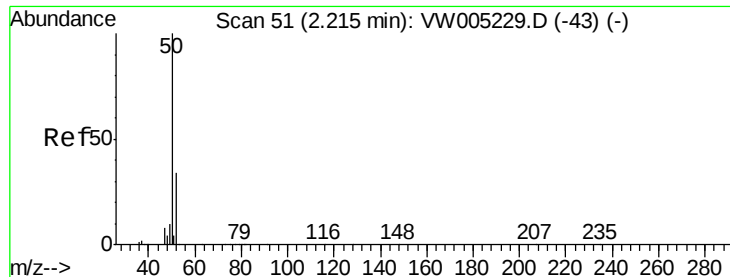
1.90

2.00

2.10

Time-->





#3

Chloromethane

Concen: 101.47 ug/l

RT: 2.22 min Scan# 52

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDICC100

Tot Ion: 50 Resp: 567846

Ion Ratio Lower Upper

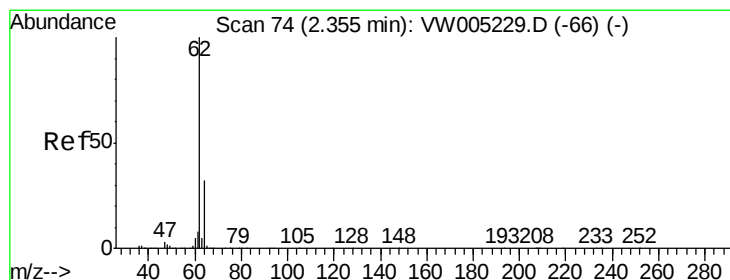
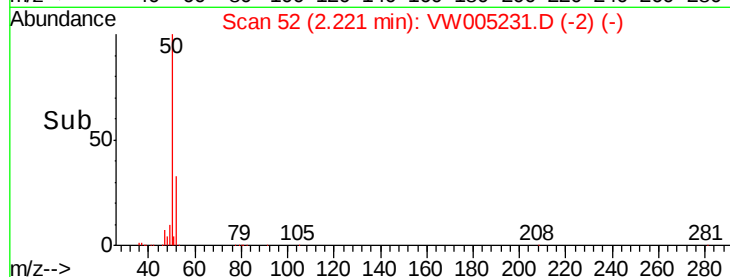
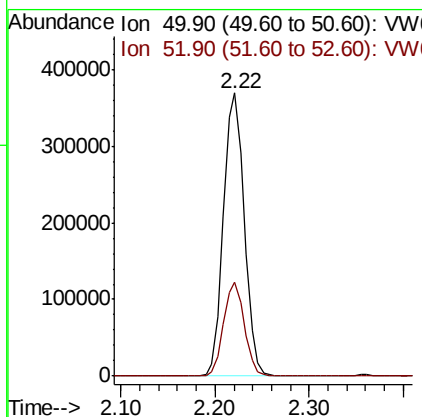
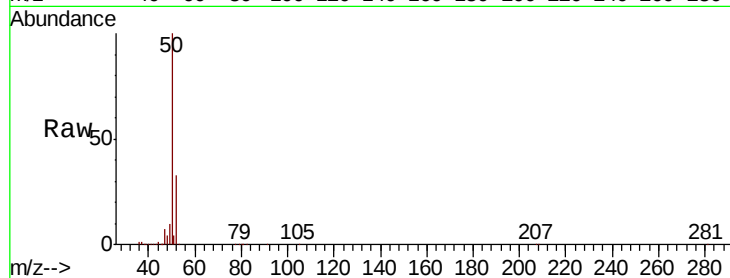
50 100

52 33.1 26.9 40.3

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#4

Vinyl Chloride

Concen: 94.96 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.01 min

Lab File: VW005231.D

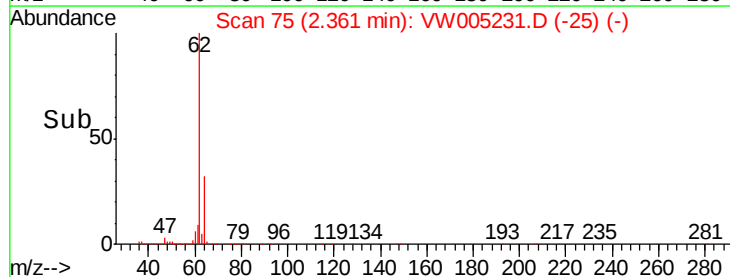
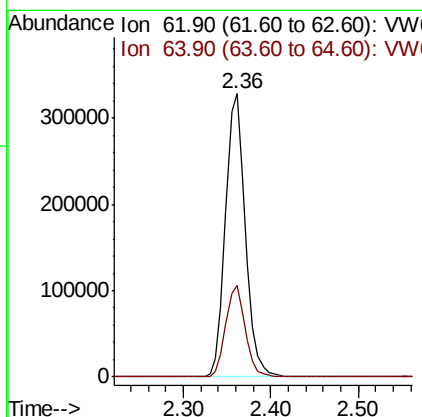
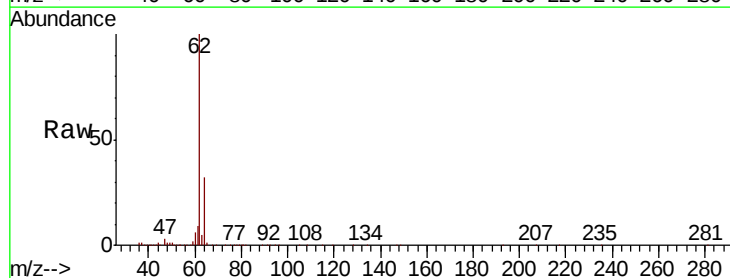
Acq: 08 Sep 2018 01:53

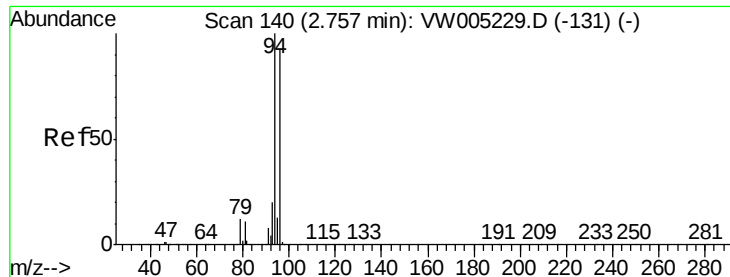
Tgt Ion: 62 Resp: 513735

Ion Ratio Lower Upper

62 100

64 32.3 25.4 38.0





#5

Bromomethane

Concen: 86.56 ug/l

RT: 2.75 min Scan# 138

Delta R.T. -0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tot Ion: 94 Resp: 322250

Ion Ratio Lower Upper

94 100

96 95.9 74.6 112.0

Instrument :

MSVOA_W

ClientSampled :

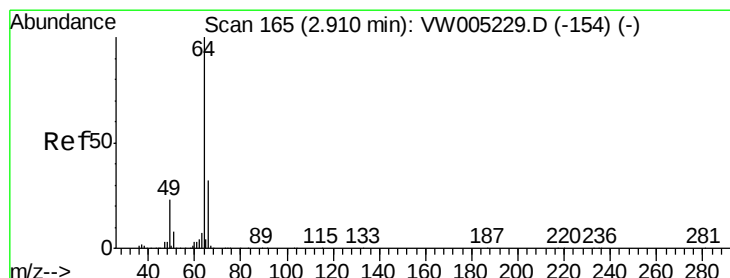
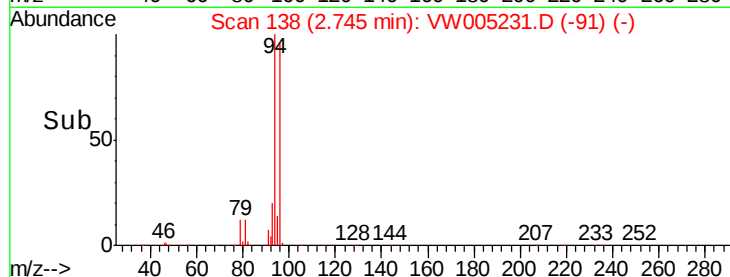
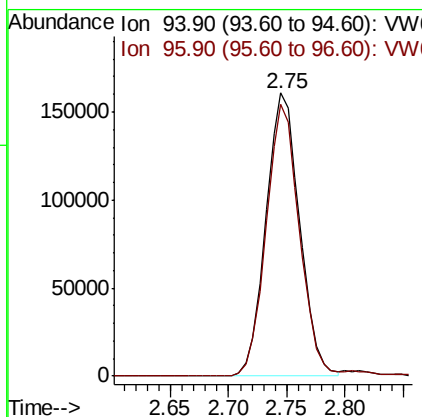
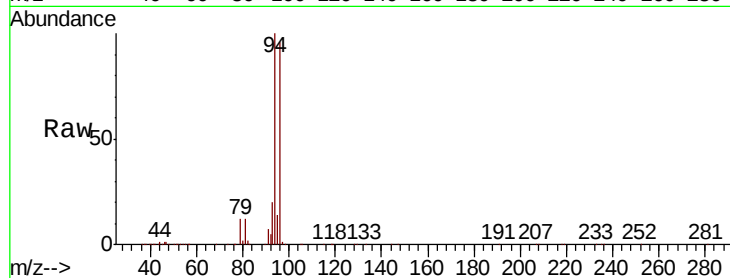
VSTDIC100

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9/10/2018 10:42:31 AM



#6

Chloroethane

Concen: 89.95 ug/l

RT: 2.91 min Scan# 165

Delta R.T. -0.00 min

Lab File: VW005231.D

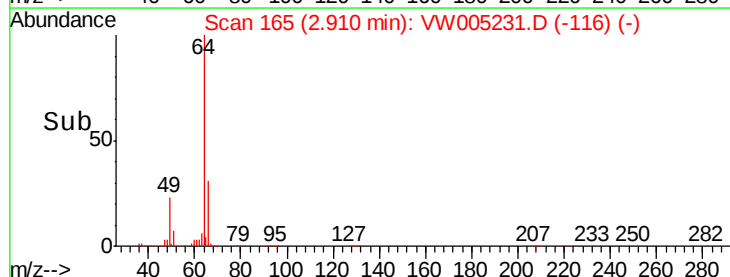
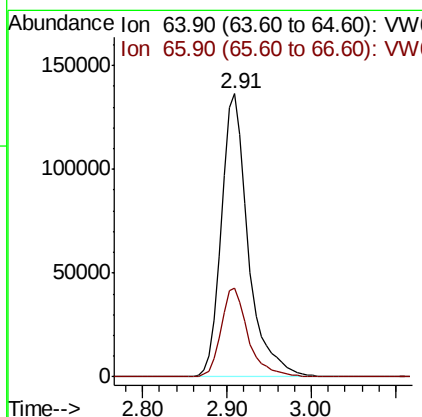
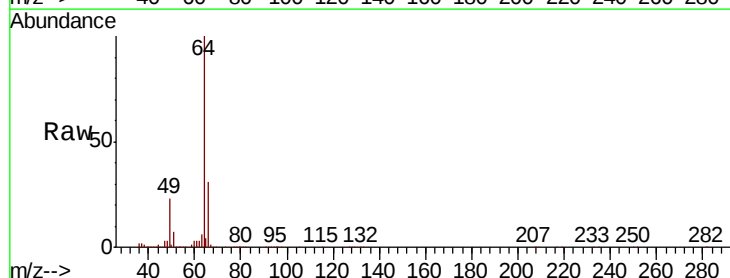
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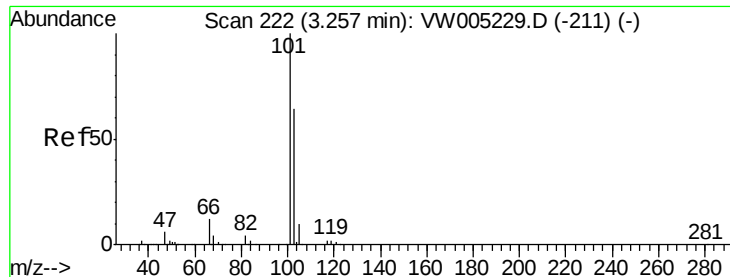
Tgt Ion: 64 Resp: 299248

Ion Ratio Lower Upper

64 100

66 31.5 25.5 38.3





#7

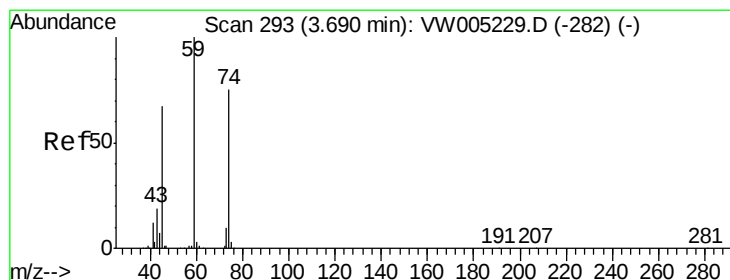
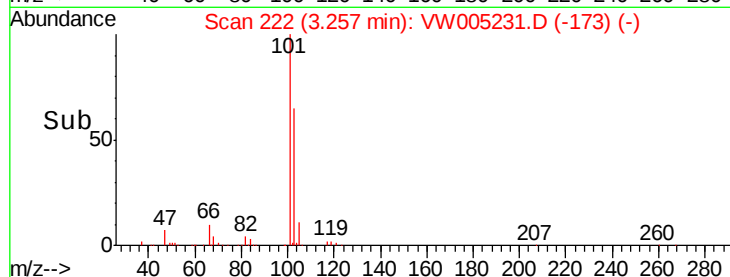
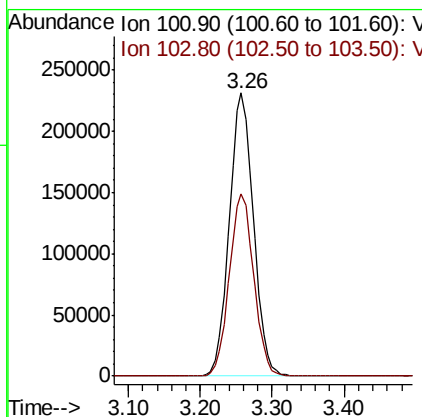
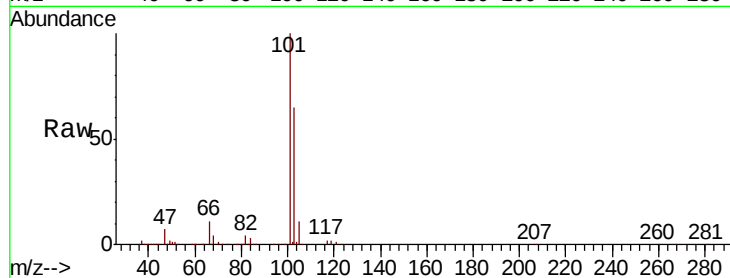
Trichlorofluoromethane
 Concen: 88.82 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.6	51.0	76.6

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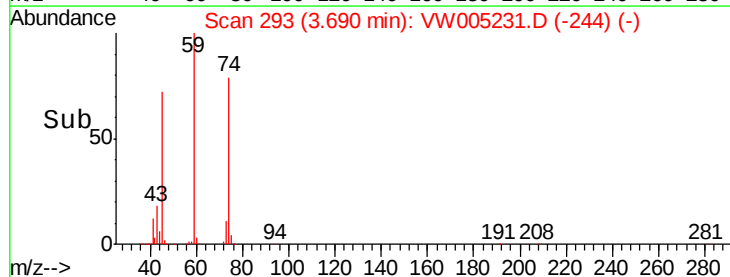
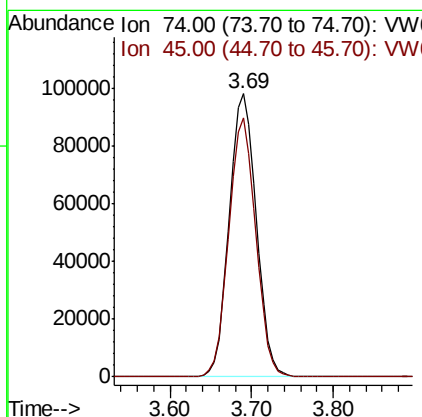
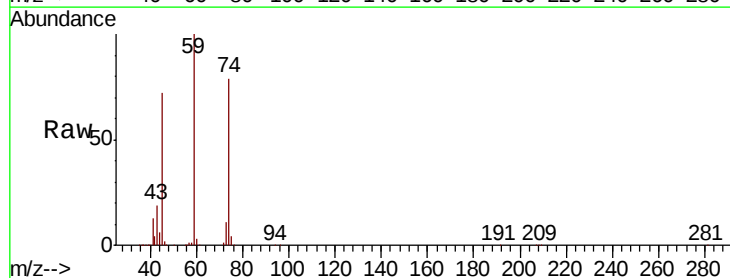
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 9/10/2018 10:42:31 AM

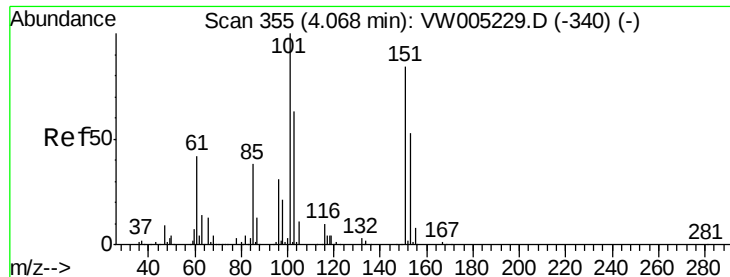


#8

Diethyl Ether
 Concen: 101.32 ug/l
 RT: 3.69 min Scan# 293
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	90.7	46.5	139.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 89.67 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

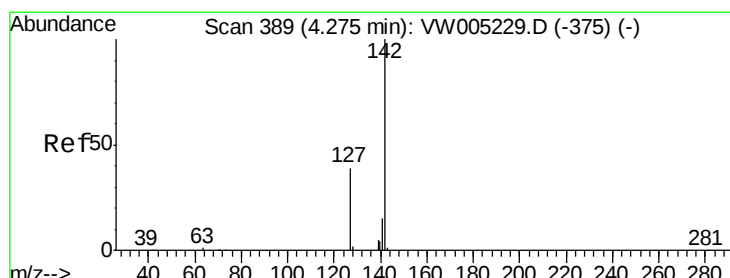
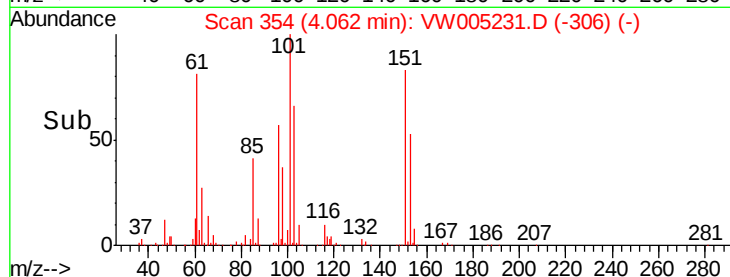
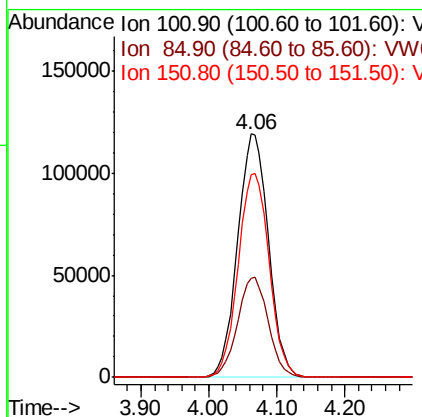
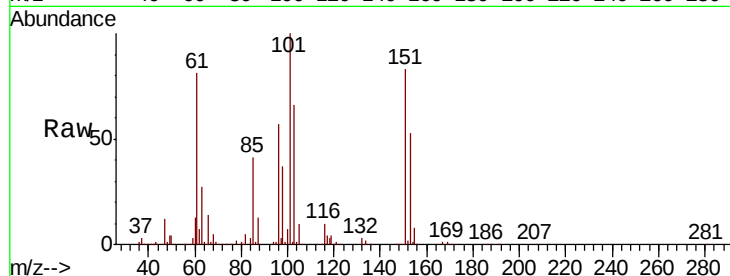
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	375764
Ion Ratio	Lower	Upper	
101	100		
85	40.8	32.5	48.7
151	84.0	67.7	101.5

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#10

Methyl Iodide

Concen: 109.06 ug/l

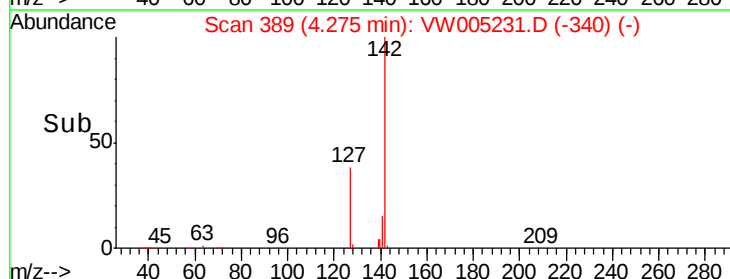
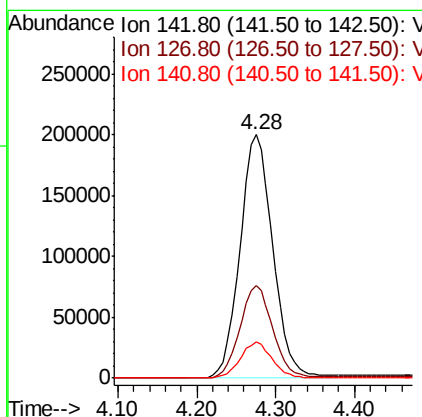
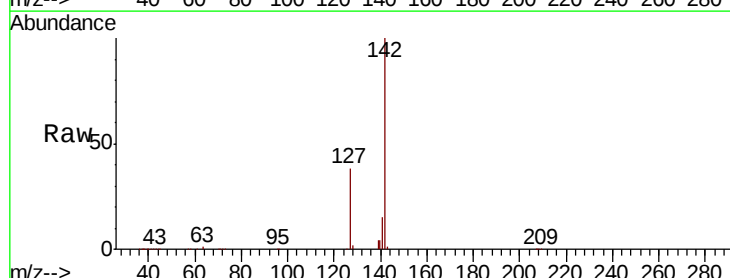
RT: 4.28 min Scan# 389

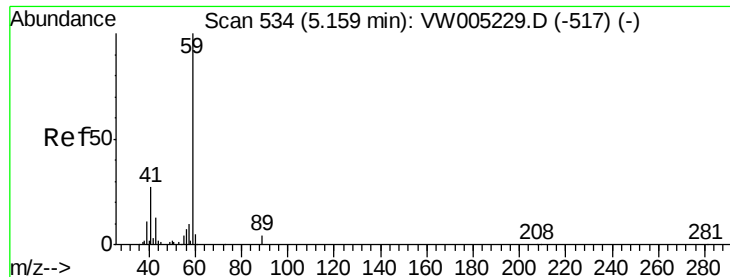
Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion:	142	Resp:	580845
Ion Ratio	Lower	Upper	
142	100		
127	38.0	30.6	45.8
141	14.4	11.6	17.4





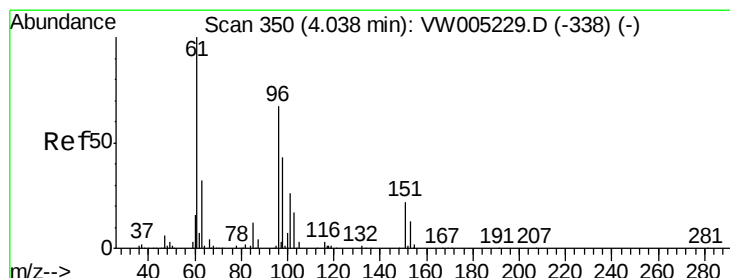
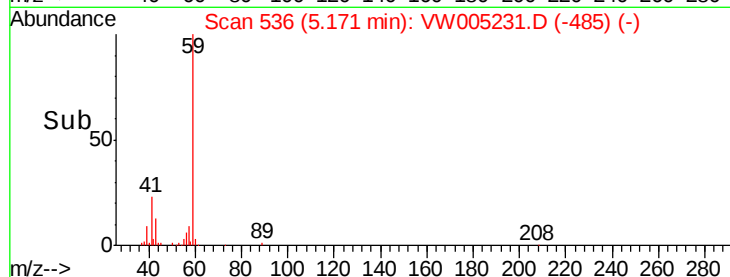
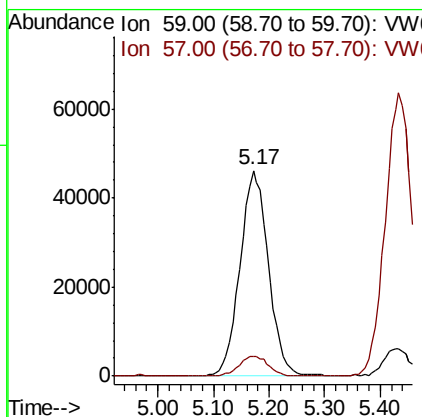
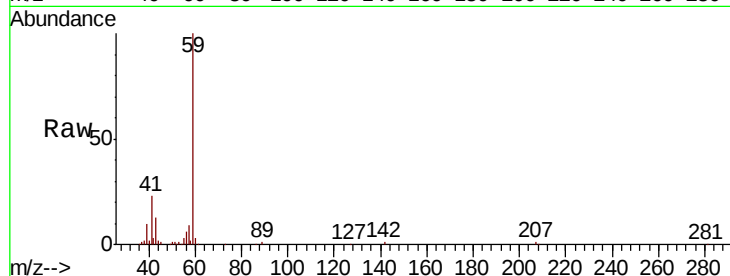
#11
Tert butyl alcohol
Concen: 561.50 ug/l
RT: 5.17 min Scan# 536
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.2	12.4

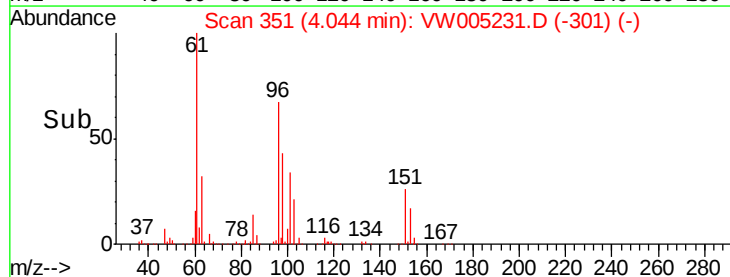
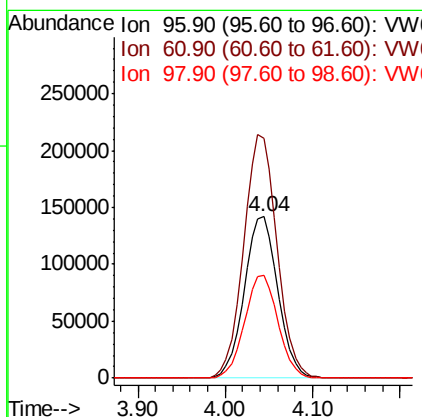
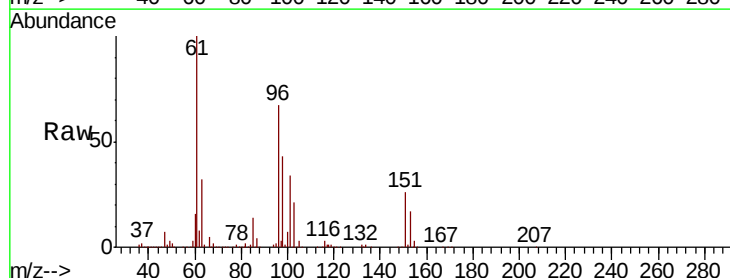
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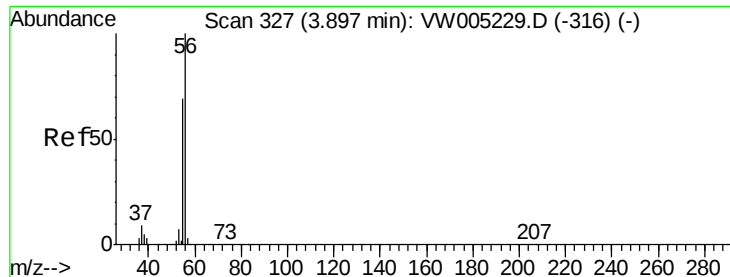
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#12
1,1-Dichloroethene
Concen: 97.84 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.7	120.3	180.5
98	64.1	51.9	77.9





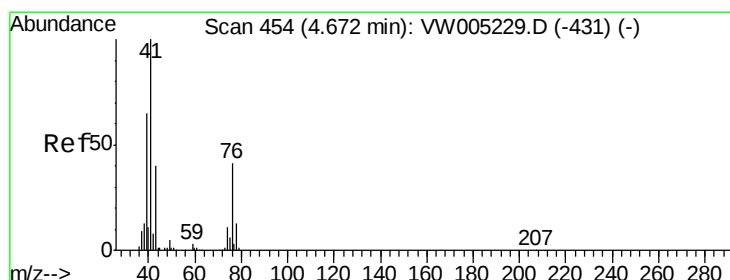
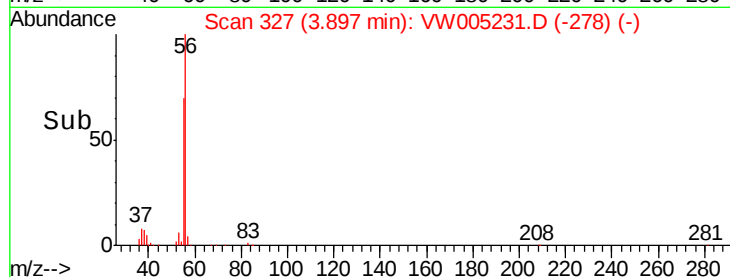
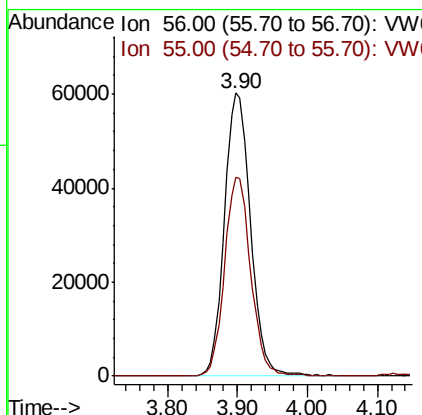
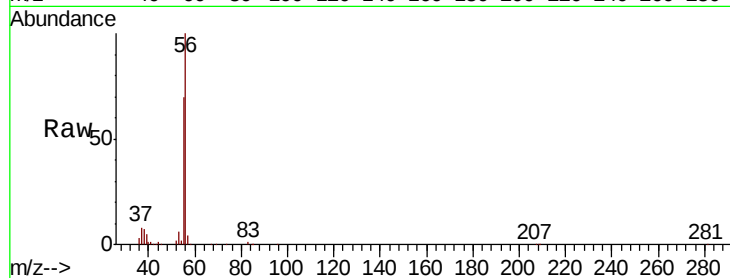
#13
Acrolein
Concen: 588.81 ug/l
RT: 3.90 min Scan# 327
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	56	Resp	156744
Ion Ratio	100	Lower	Upper
55	70.3	55.7	83.5

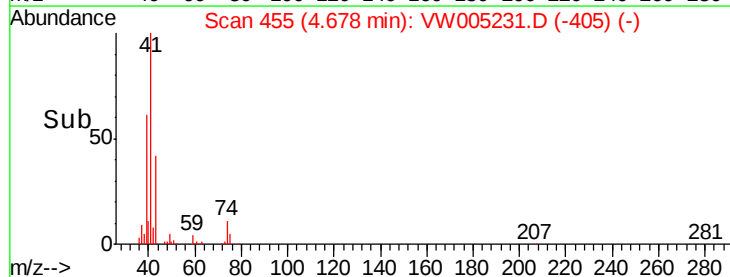
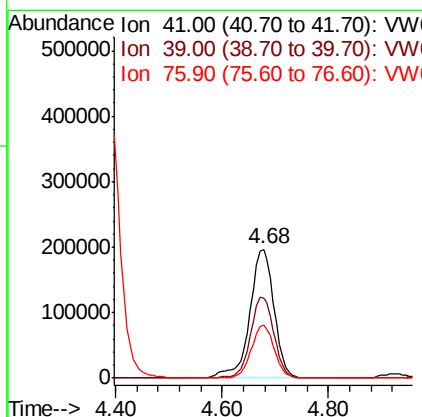
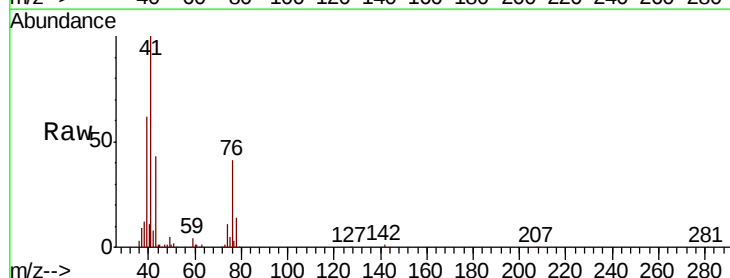
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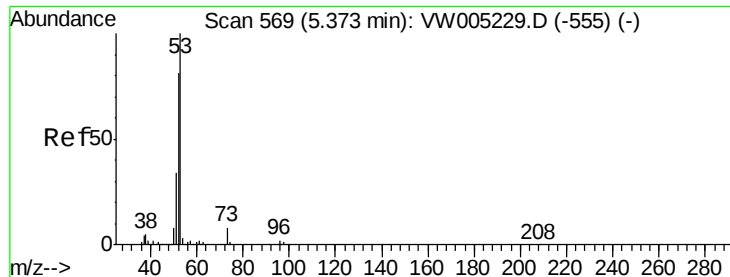
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#14
Allyl chloride
Concen: 102.93 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	41	Resp	619860
Ion Ratio	100	Lower	Upper
39	60.2	49.1	73.7
76	38.3	31.0	46.6





#15

Acrylonitrile

Concen: 576.50 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

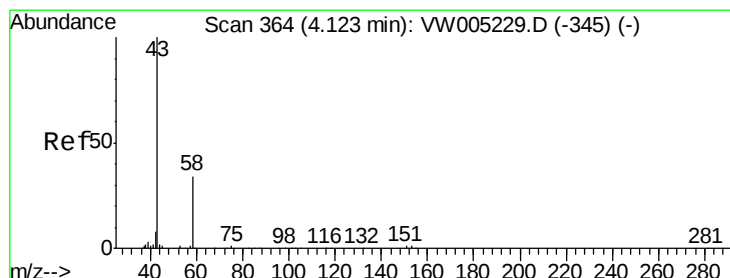
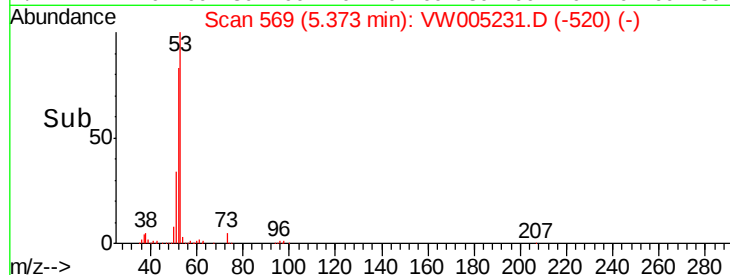
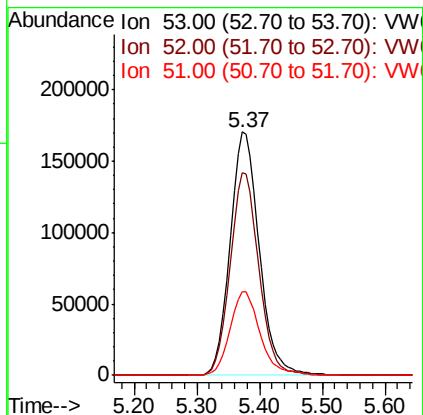
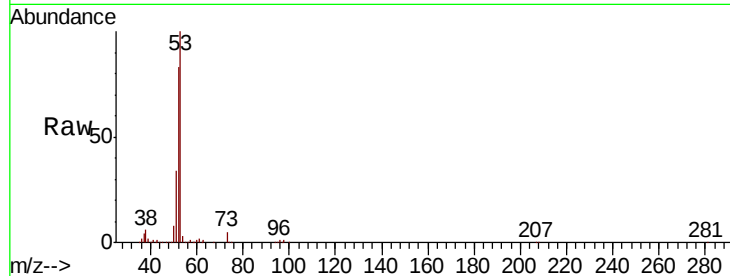
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	547853
Ion Ratio	Lower	Upper	
53	100		
52	82.3	64.9	97.3
51	35.6	28.2	42.2

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#16

Acetone

Concen: 463.45 ug/l

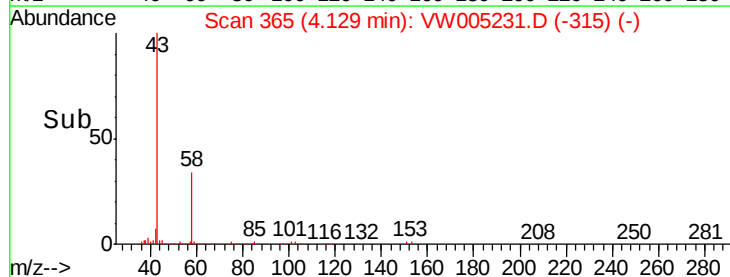
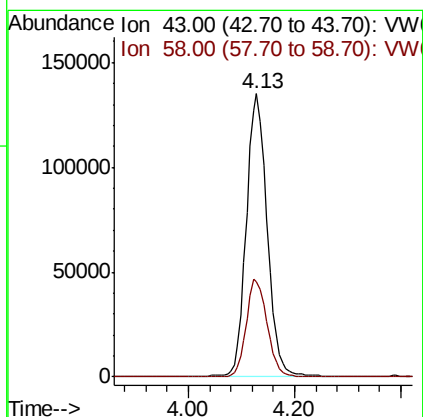
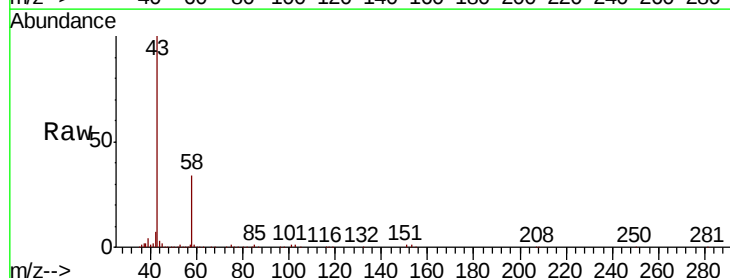
RT: 4.13 min Scan# 365

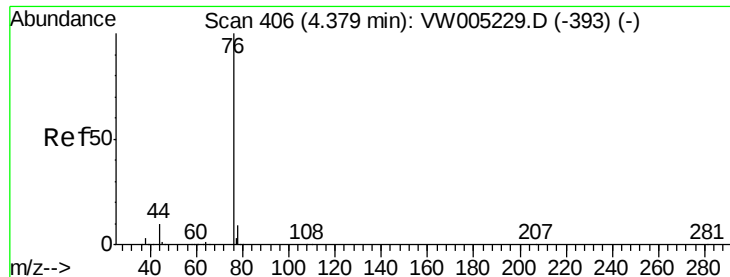
Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion:	43	Resp:	364908
Ion Ratio	Lower	Upper	
43	100		
58	33.6	27.0	40.4





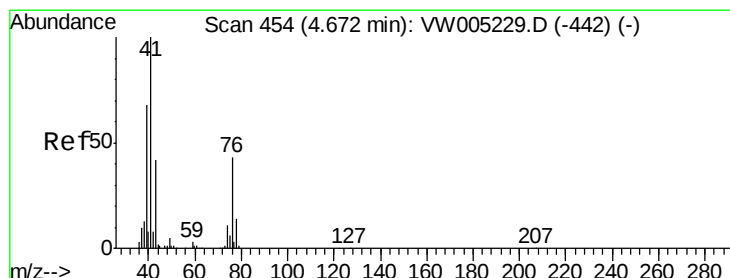
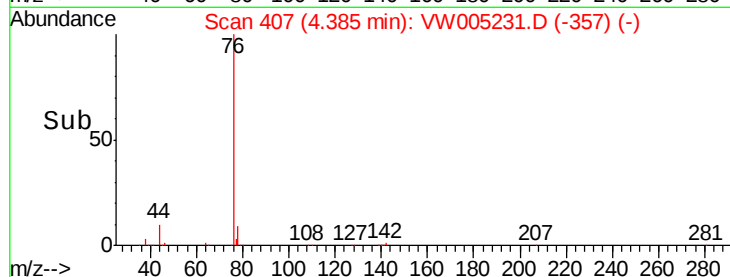
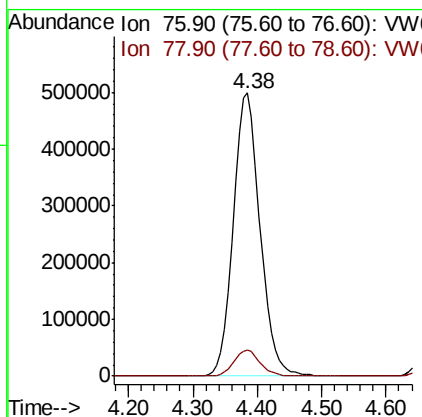
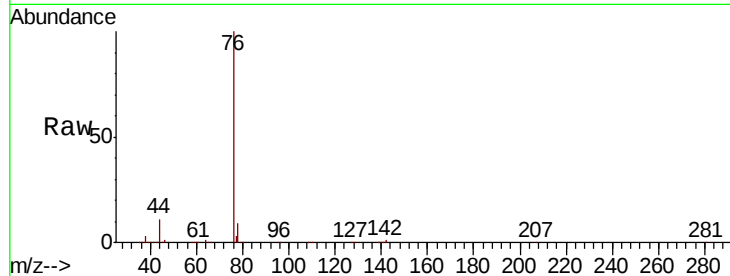
#17
Carbon Disulfide
Concen: 106.73 ug/l
RT: 4.38 min Scan# 407
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion: 76 Resp: 1440618
Ion Ratio Lower Upper
76 100
78 9.3 7.1 10.7

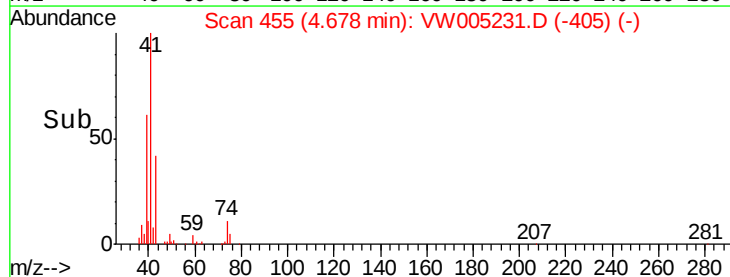
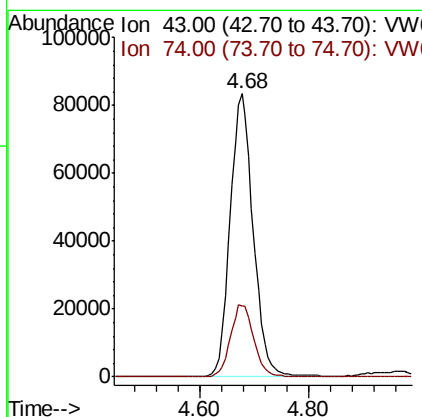
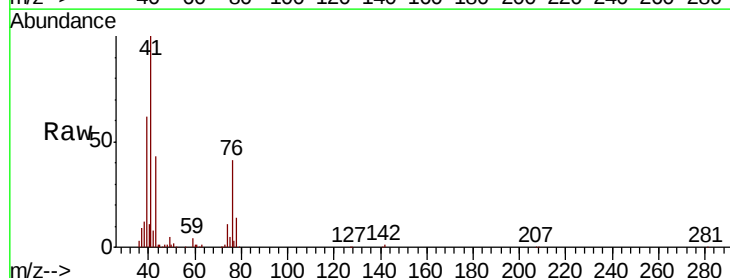
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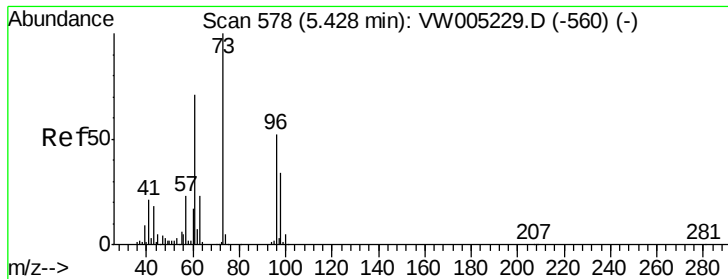
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#18
Methyl Acetate
Concen: 105.52 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 43 Resp: 247633
Ion Ratio Lower Upper
43 100
74 25.8 20.8 31.2





#19

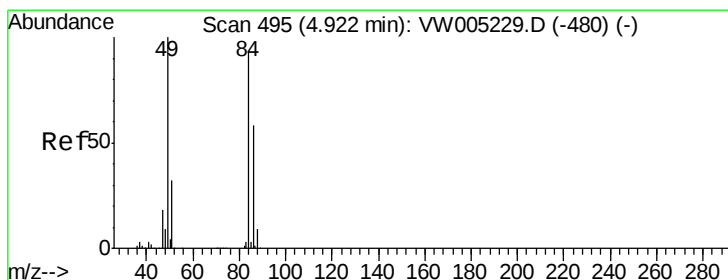
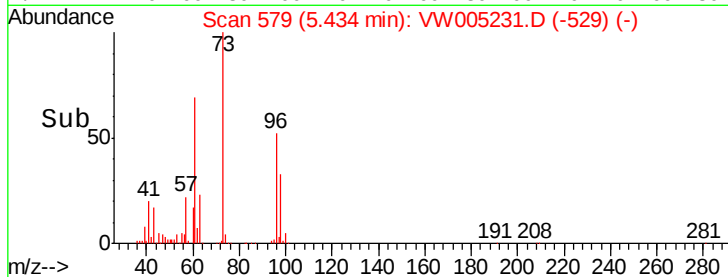
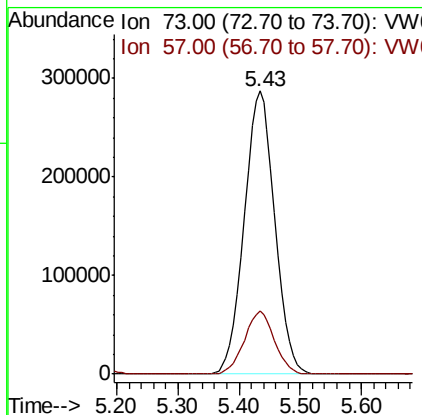
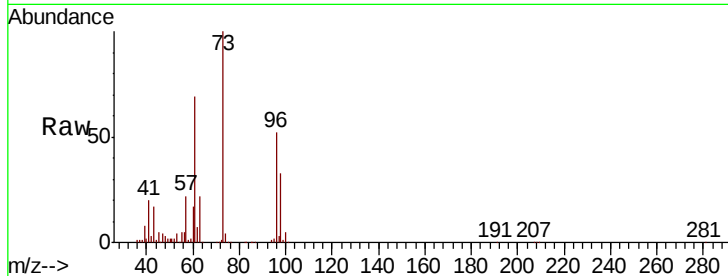
Methyl tert-butyl Ether
 Concen: 105.63 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.01 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.1	18.2	27.2

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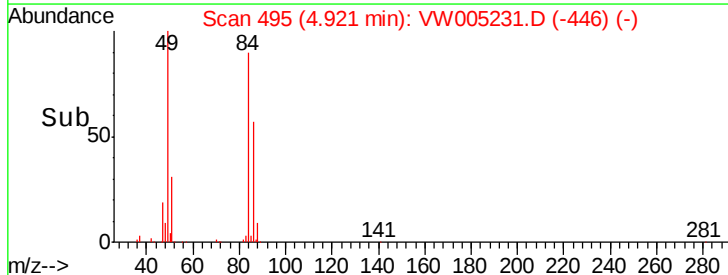
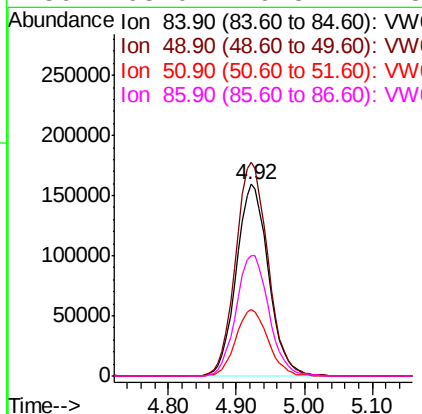
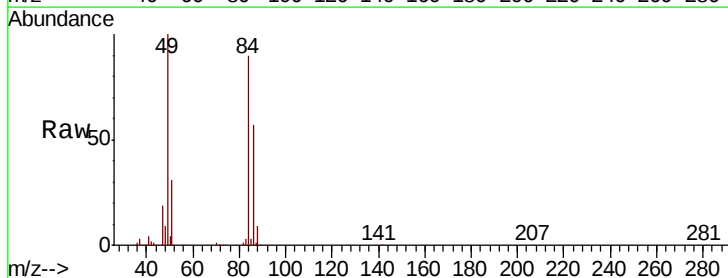
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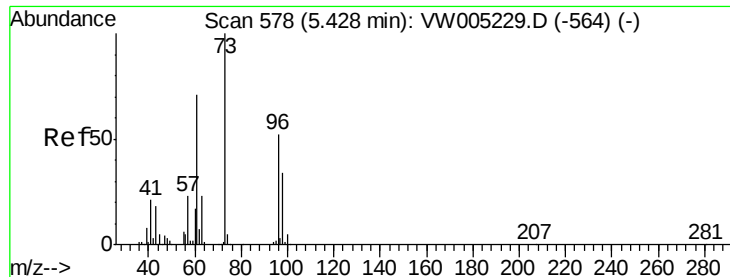


#20

Methylene Chloride
 Concen: 79.81 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
84	100		
49	111.3	85.8	128.6
51	34.6	27.7	41.5
86	63.0	49.8	74.8





#21

trans-1,2-Dichloroethene

Concen: 97.35 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

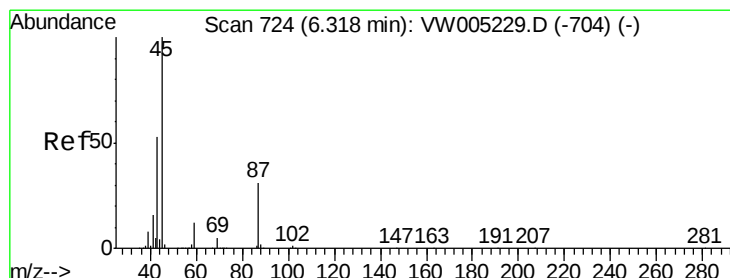
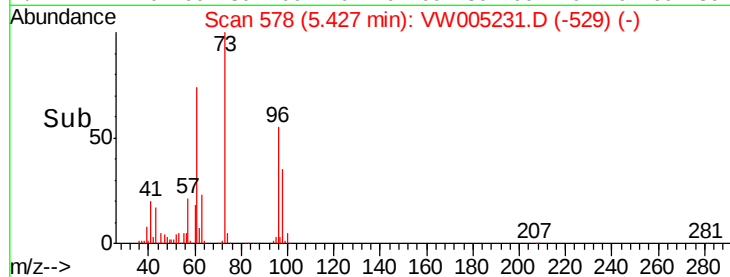
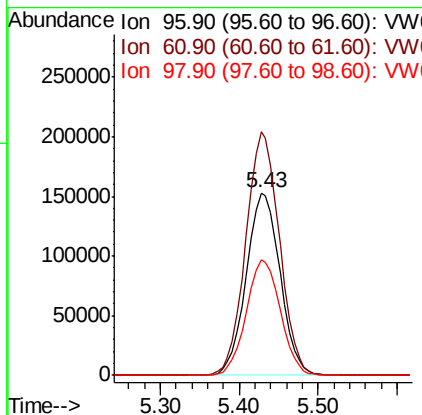
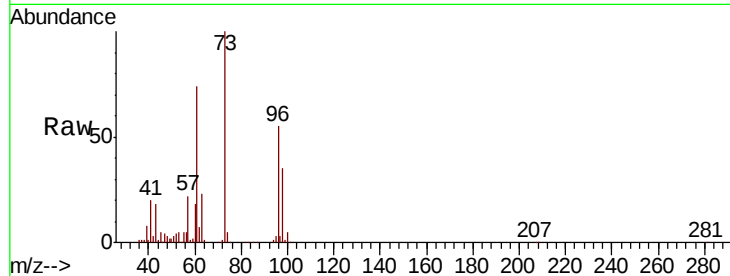
ClientSampled :

VSTDICC100

Tot Ion:	96	Resp:	457146
Ion	Ratio	Lower	Upper
96	100		
61	133.4	108.2	162.4
98	63.4	51.9	77.9

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#22

Diisopropyl ether

Concen: 106.06 ug/l

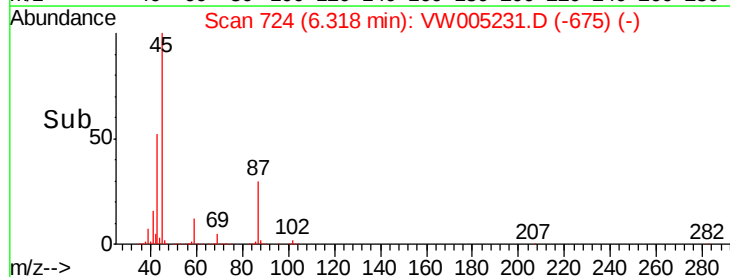
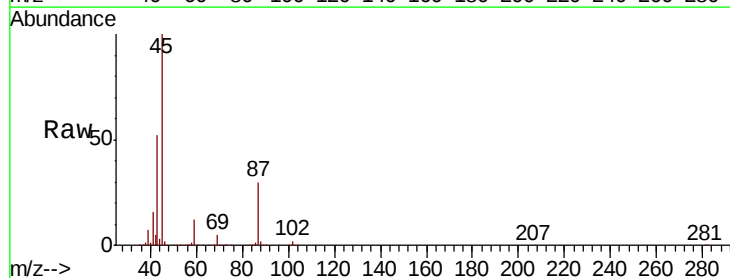
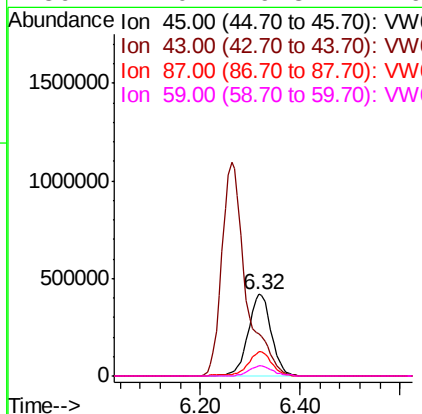
RT: 6.32 min Scan# 724

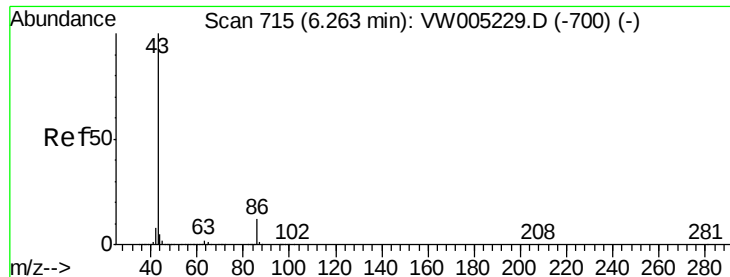
Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion:	45	Resp:	1346392
Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.5	63.7
87	29.9	24.7	37.1
59	12.0	9.8	14.6





#23

Vinyl Acetate

Concen: 543.01 ug/l

RT: 6.26 min Scan# 715

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tot Ion: 43 Resp: 3641895

Ion Ratio Lower Upper

43 100

86 11.7 9.3 13.9

Instrument :

MSVOA_W

ClientSampleId :

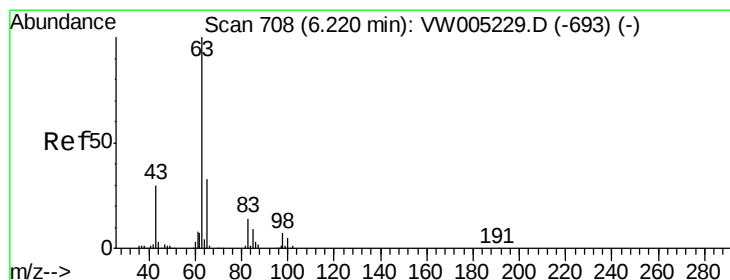
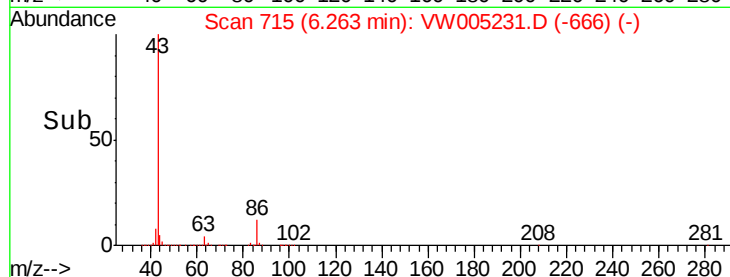
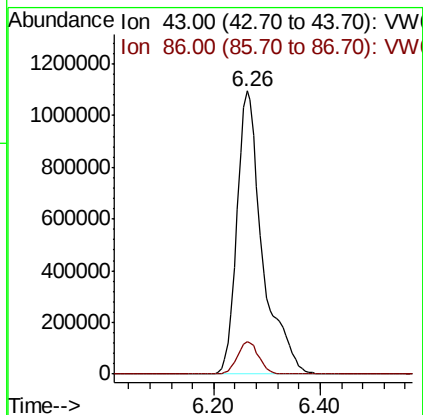
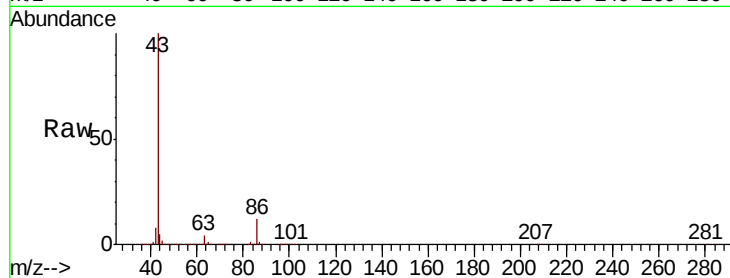
VSTDIC100

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#24

1,1-Dichloroethane

Concen: 97.03 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

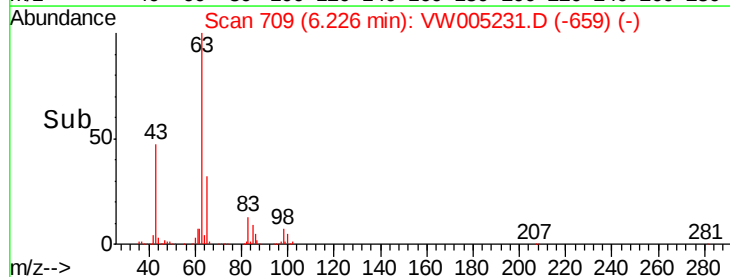
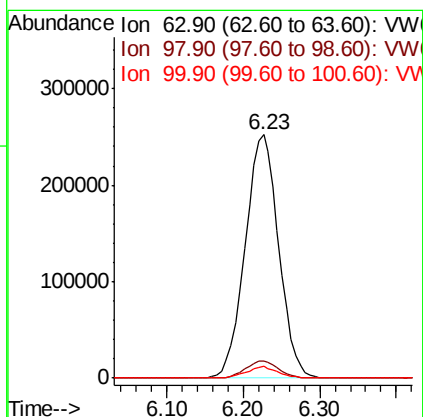
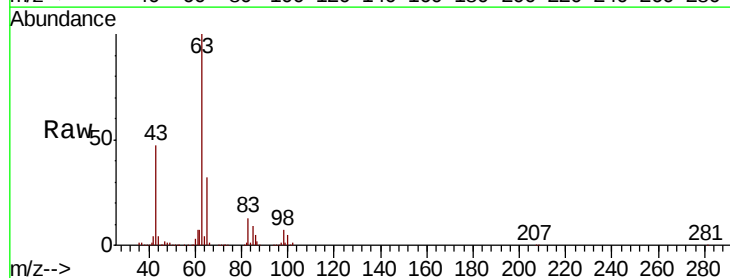
Tgt Ion: 63 Resp: 767233

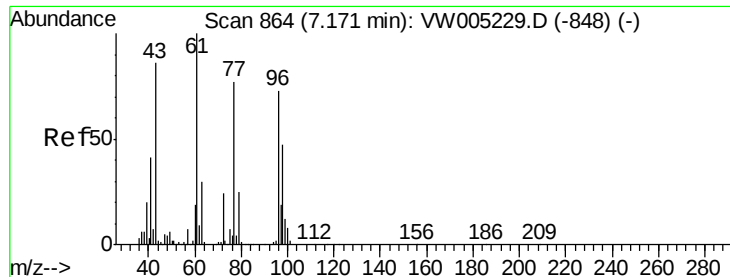
Ion Ratio Lower Upper

63 100

98 7.0 3.5 10.4

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 445.59 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 602937

Ion Ratio Lower Upper

43 100

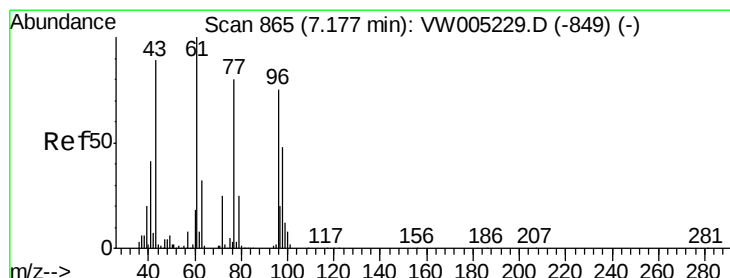
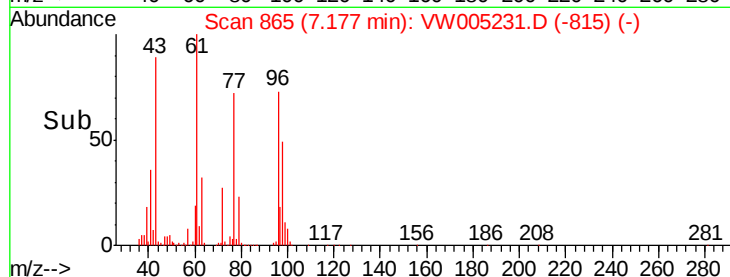
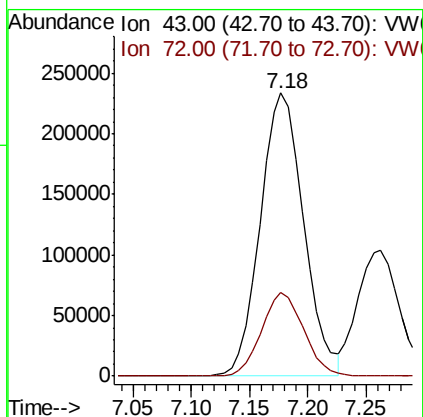
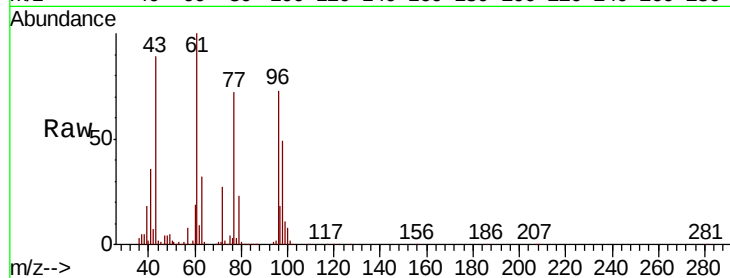
72 29.7 22.6 33.8

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#26

2,2-Dichloropropane

Concen: 84.09 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005231.D

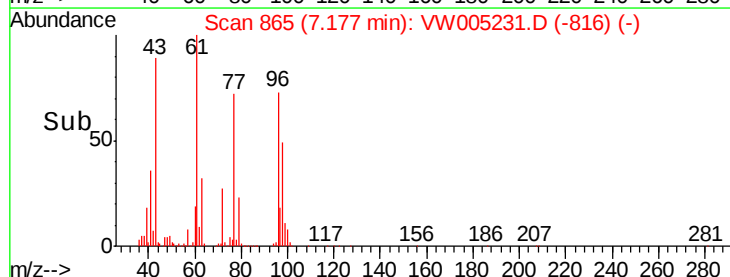
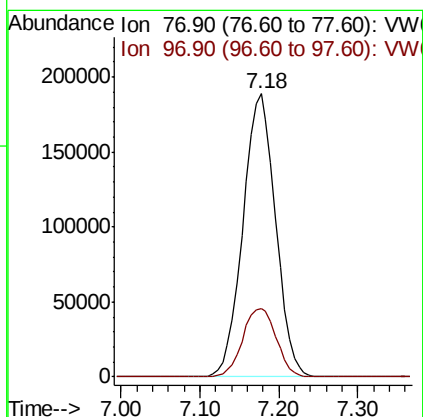
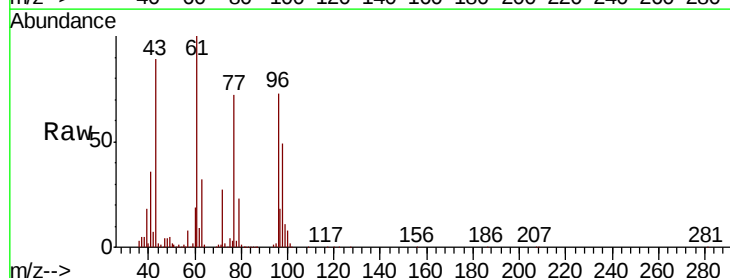
Acq: 08 Sep 2018 01:53

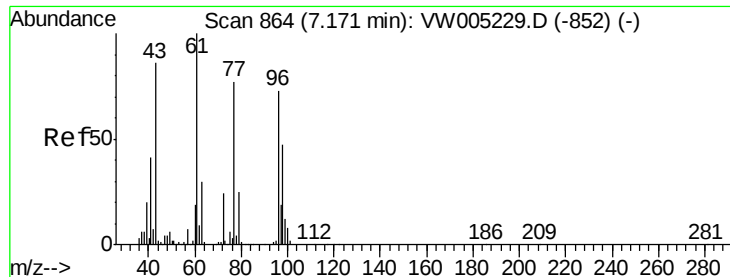
Tgt Ion: 77 Resp: 542675

Ion Ratio Lower Upper

77 100

97 24.9 12.3 36.9





#27

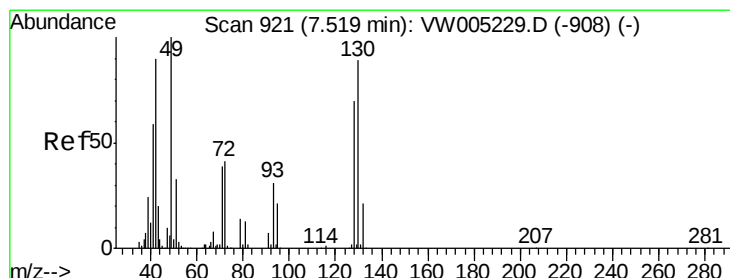
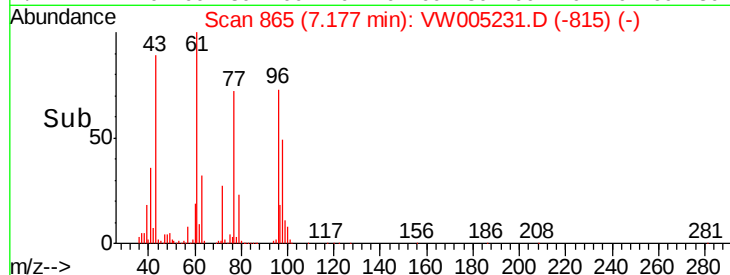
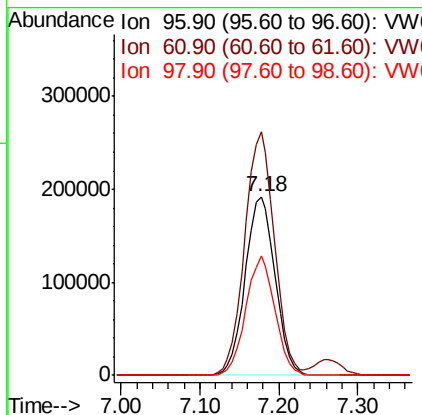
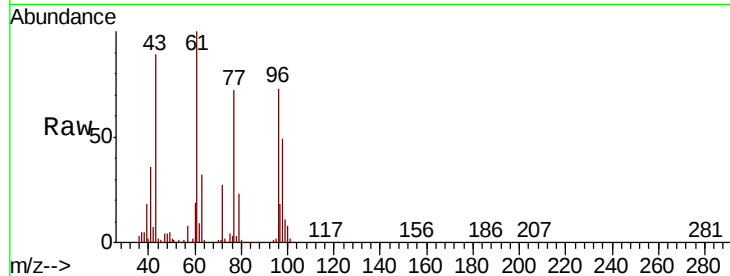
cis-1,2-Dichloroethene
 Concen: 98.72 ug/l
 RT: 7.18 min Scan# 865
 Delta R.T. 0.01 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
96	100	506154		
61	135.8	0.0	274.6	
98	64.9	0.0	129.6	

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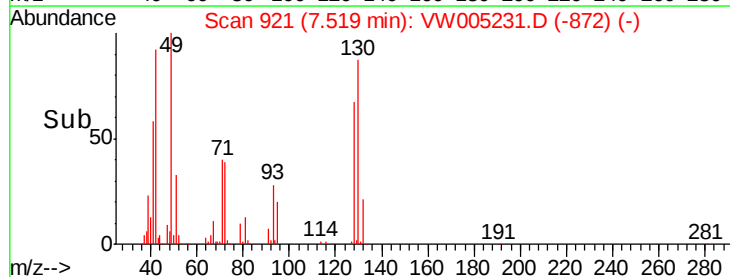
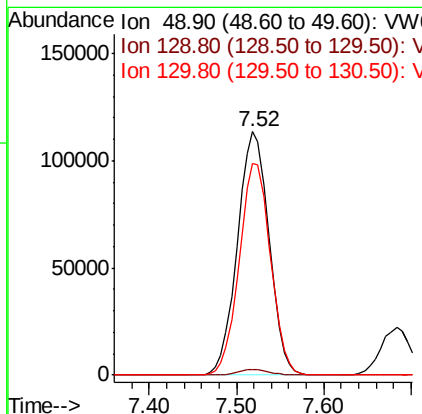
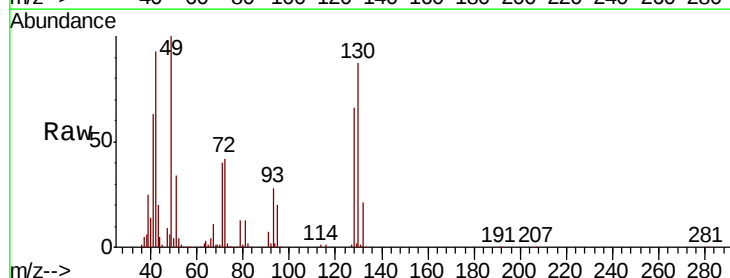
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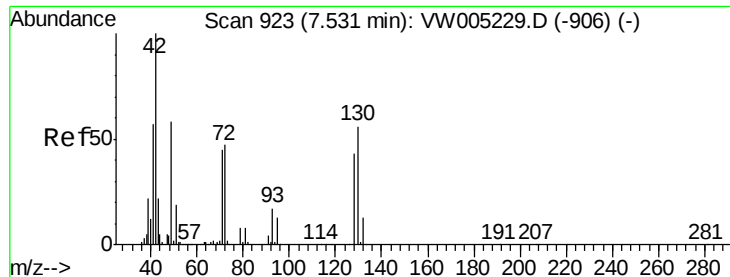


#28

Bromochloromethane
 Concen: 89.94 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	285721		
129	2.3	0.0	4.0	
130	86.0	70.0	105.0	





#29

Tetrahydrofuran

Concen: 591.03 ug/l

RT: 7.53 min Scan# 923

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

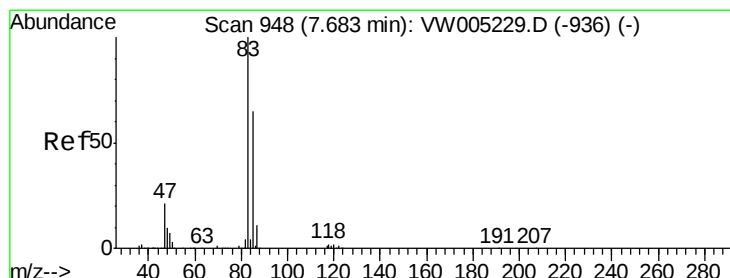
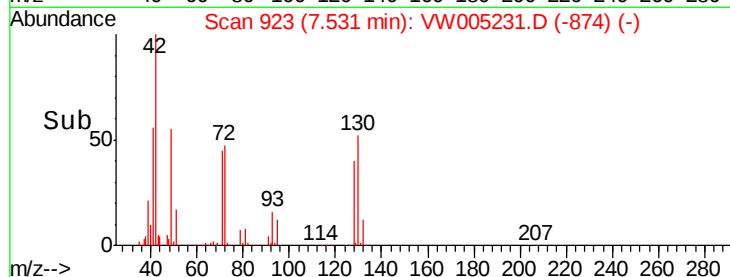
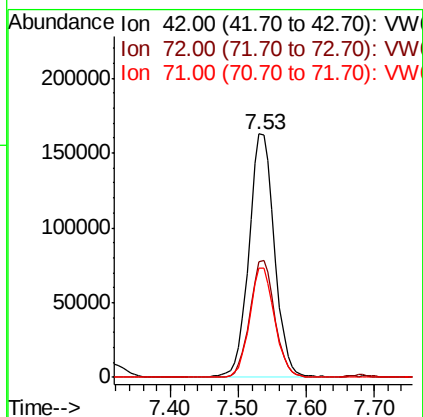
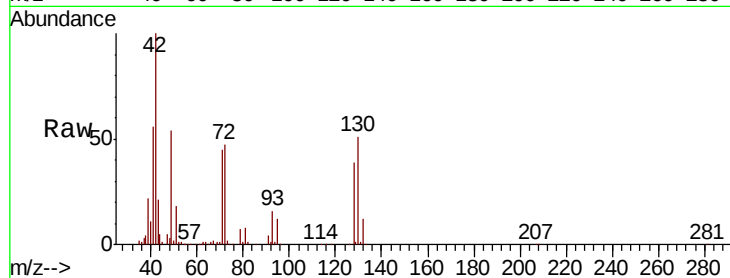
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	423807
Ion Ratio		Lower	Upper
42	100		
72	46.8	37.4	56.2
71	44.1	35.5	53.3

Manual Integrations
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#30

Chloroform

Concen: 95.17 ug/l

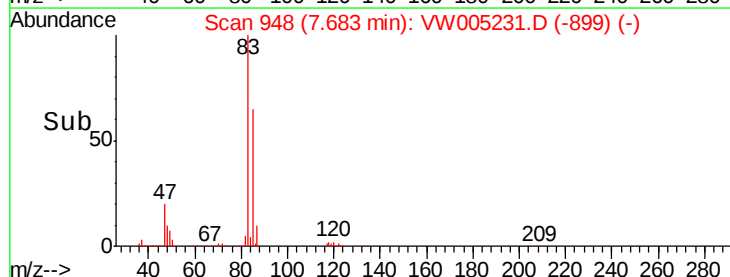
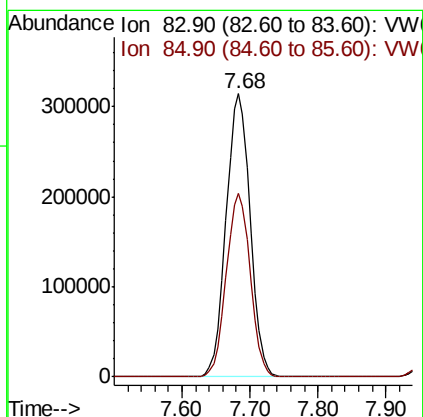
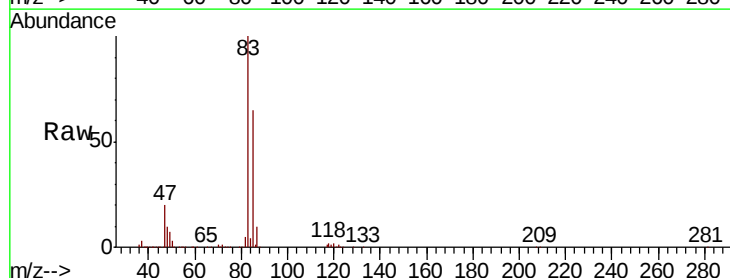
RT: 7.68 min Scan# 948

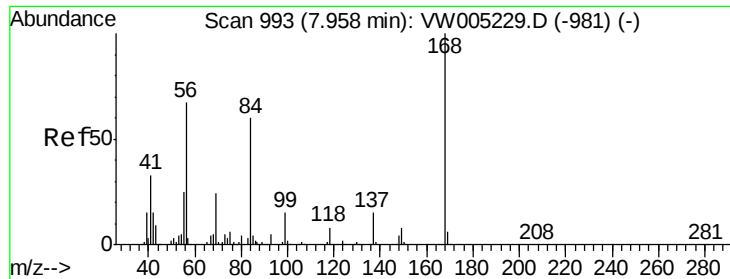
Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion:	83	Resp:	767943
Ion Ratio		Lower	Upper
83	100		
85	65.0	51.9	77.9





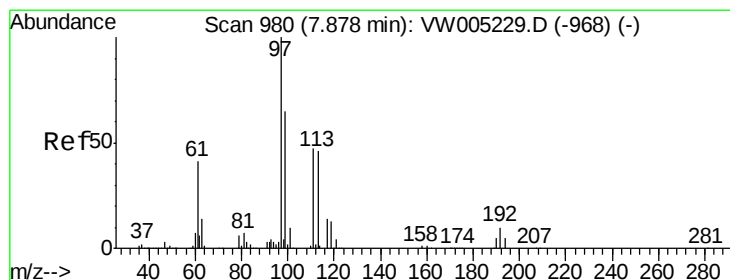
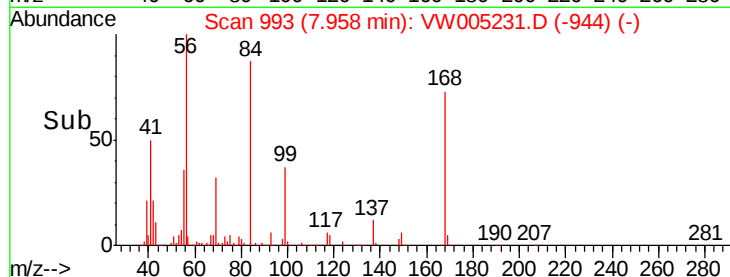
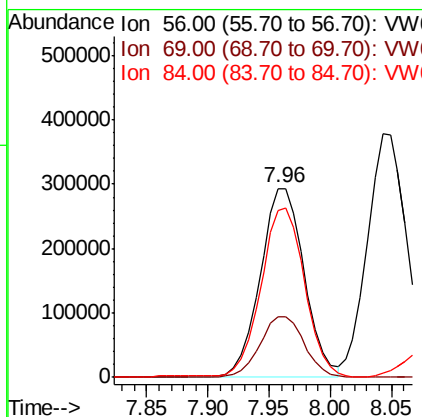
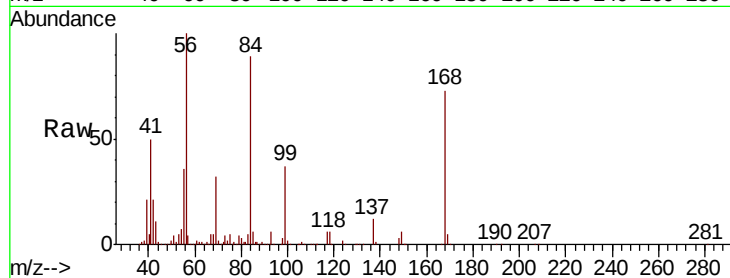
#31
Cyclohexane
Concen: 93.99 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.4	28.2	42.4
84	87.5	71.3	106.9

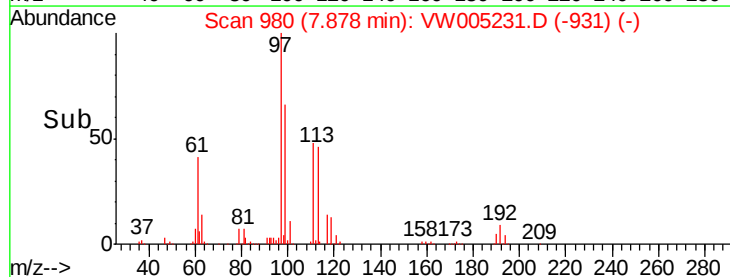
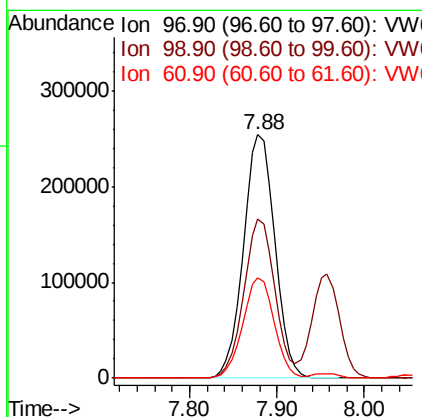
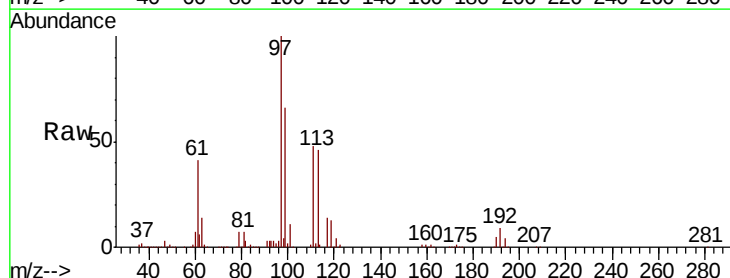
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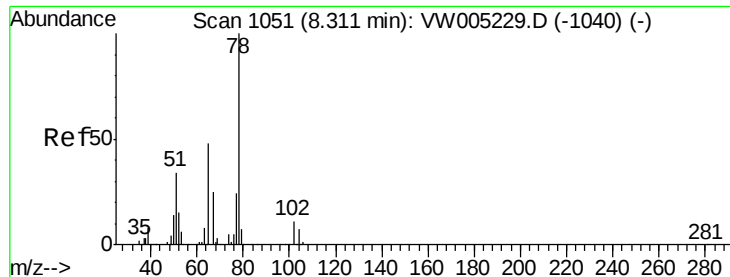
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#32
1,1,1-Trichloroethane
Concen: 90.29 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.8	77.6
61	41.2	33.0	49.4





#33

1,2-Dichloroethane-d4

Concen: 94.90 ug/l

RT: 8.31 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 382216

Ion Ratio Lower Upper

65 100

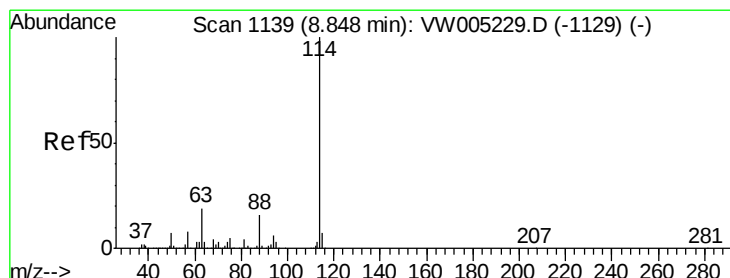
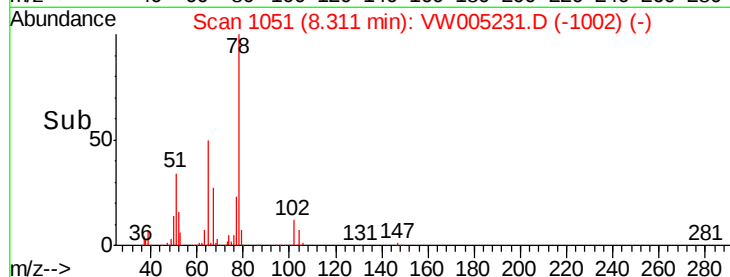
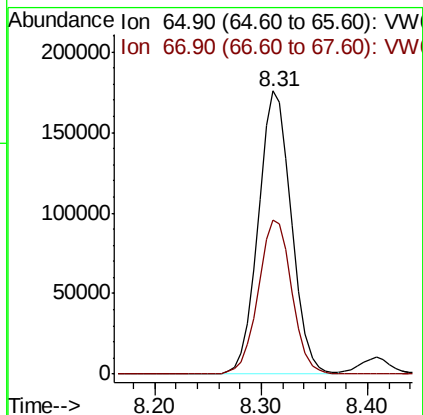
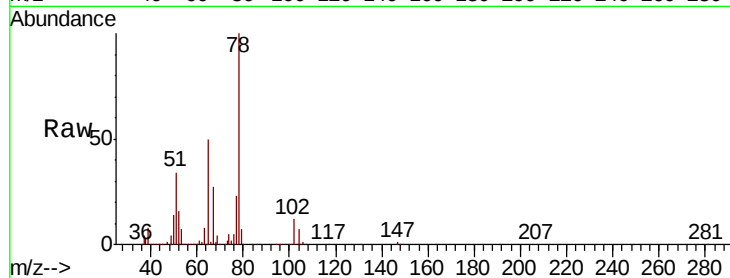
67 55.1 0.0 111.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

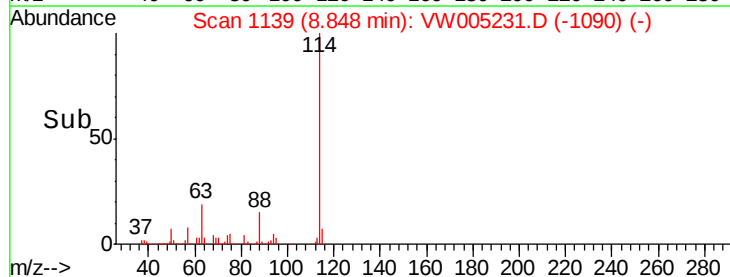
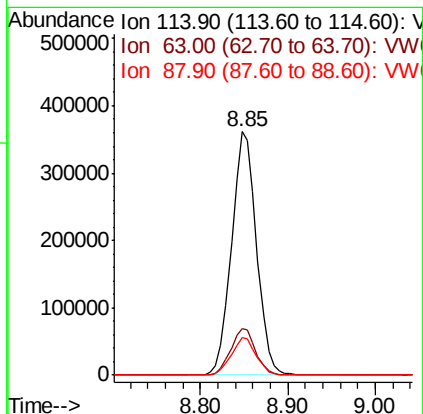
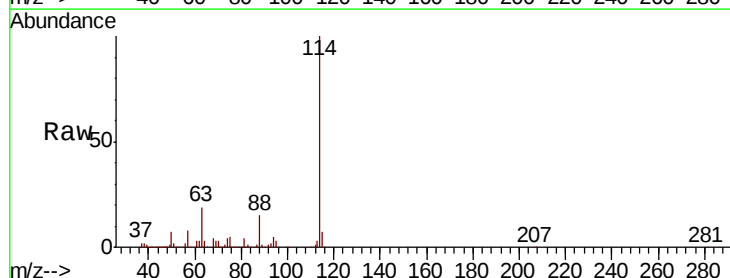
Tgt Ion: 114 Resp: 716010

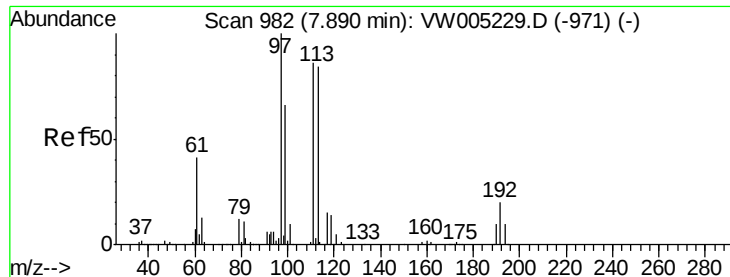
Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.8

88 15.3 0.0 31.2





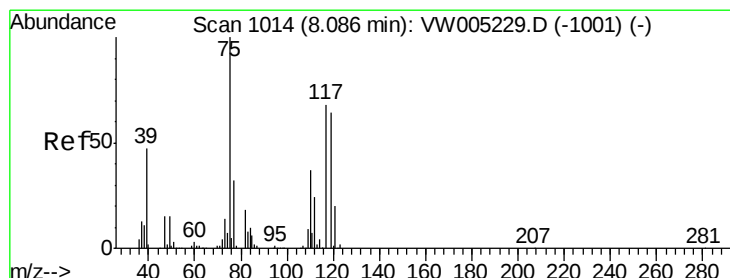
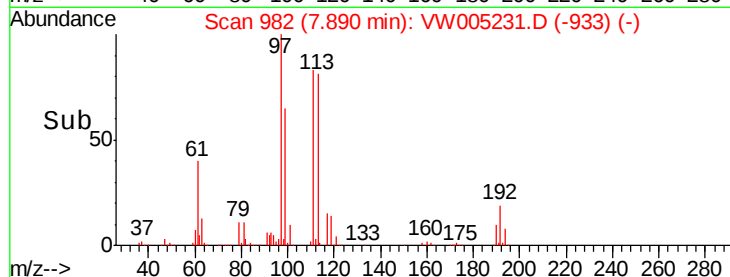
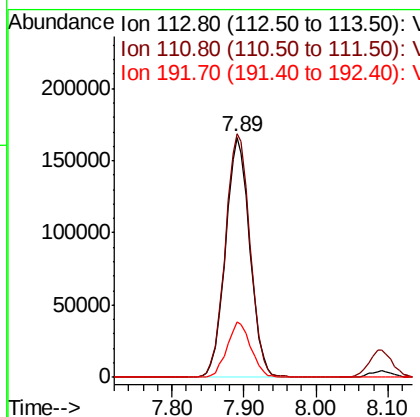
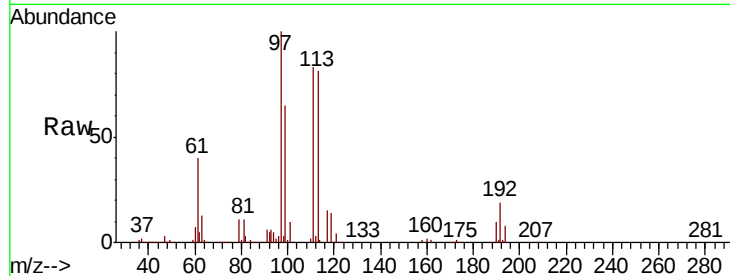
#35
 Dibromofluoromethane
 Concen: 94.49 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	388528		
111	103.6	82.0	123.0	
192	22.6	18.0	27.0	

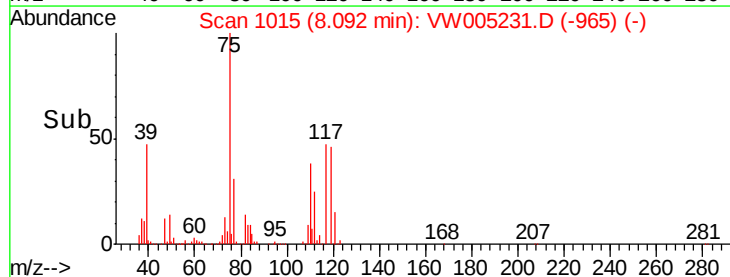
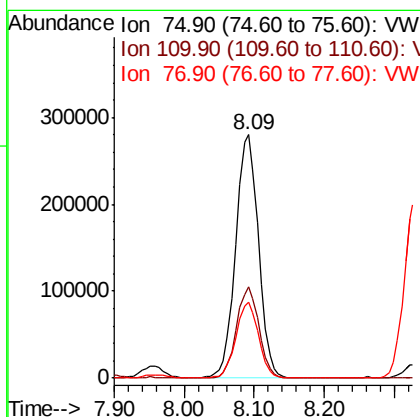
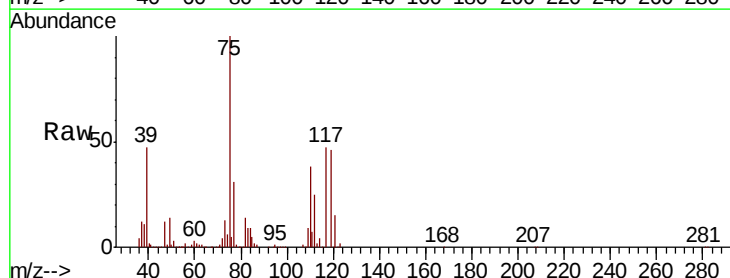
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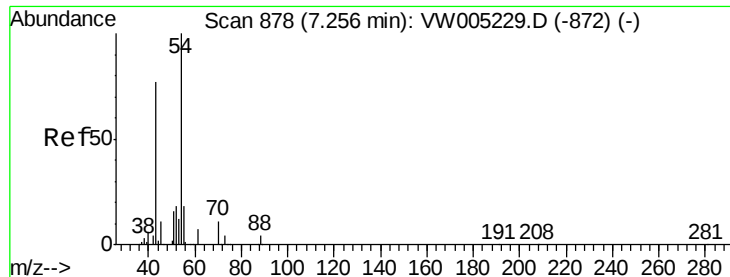
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#36
 1,1-Dichloropropene
 Concen: 94.70 ug/l
 RT: 8.09 min Scan# 1015
 Delta R.T. 0.01 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	633597		
110	37.0	18.8	56.4	
77	31.1	25.2	37.8	





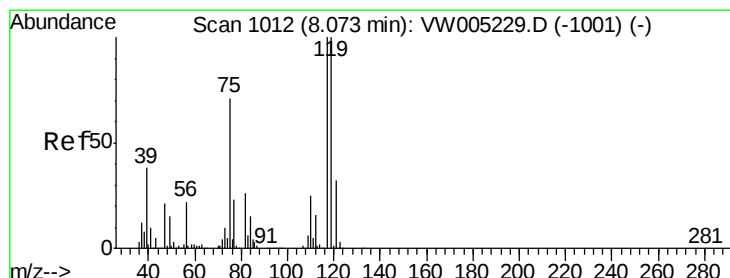
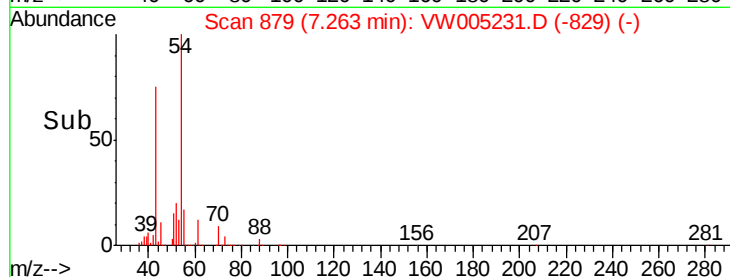
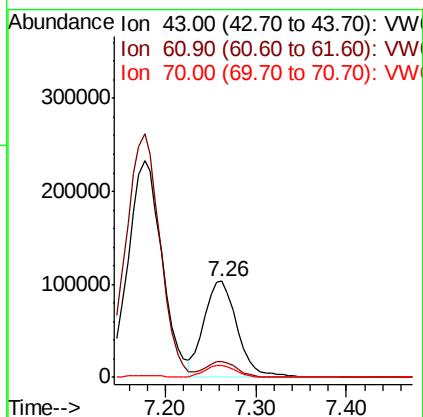
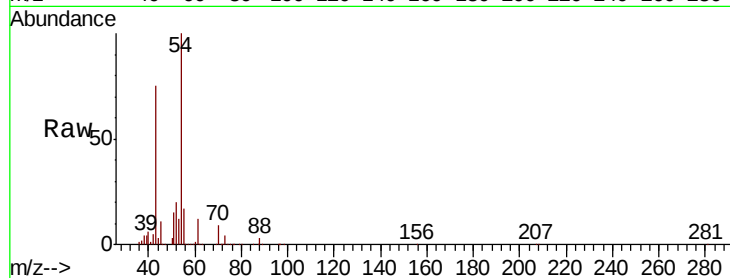
#37
Ethyl Acetate
Concen: 104.05 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.5	11.4	17.2
70	12.2	9.6	14.4

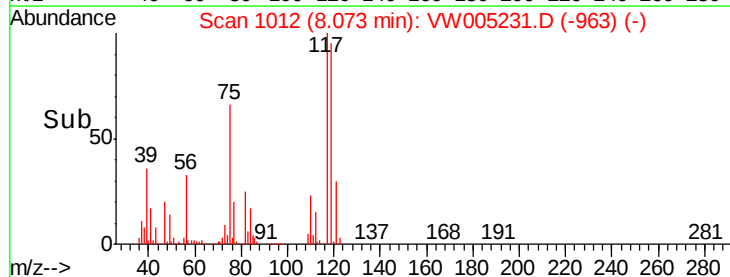
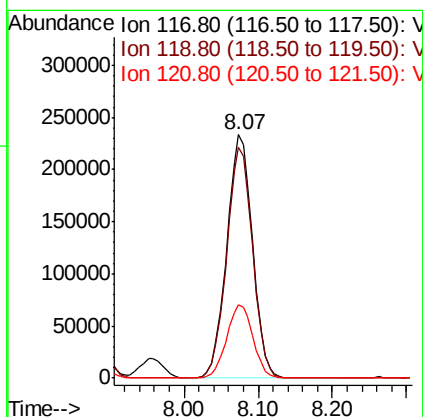
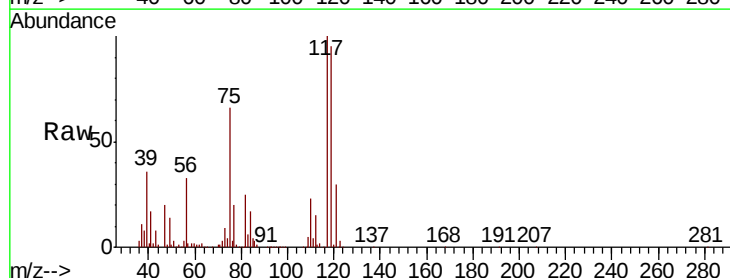
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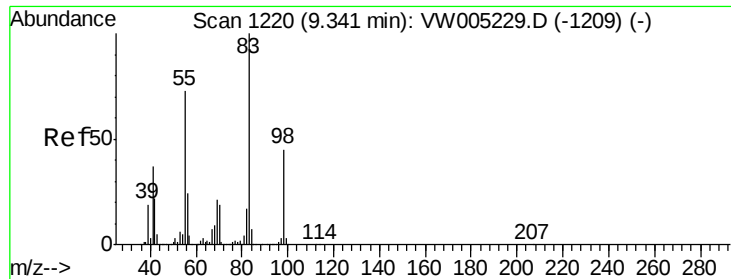
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#38
Carbon Tetrachloride
Concen: 88.70 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.7	119.5
121	30.3	25.4	38.0





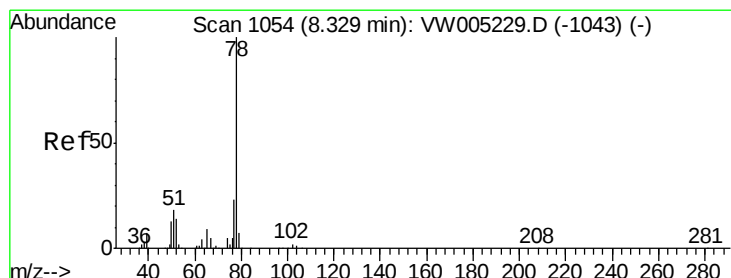
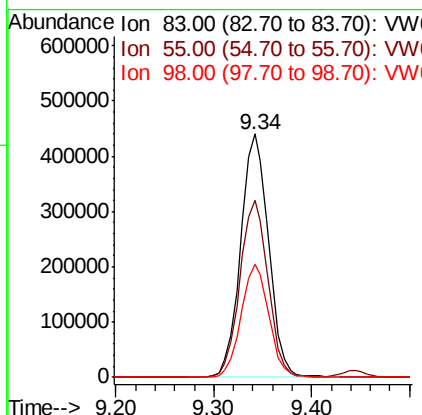
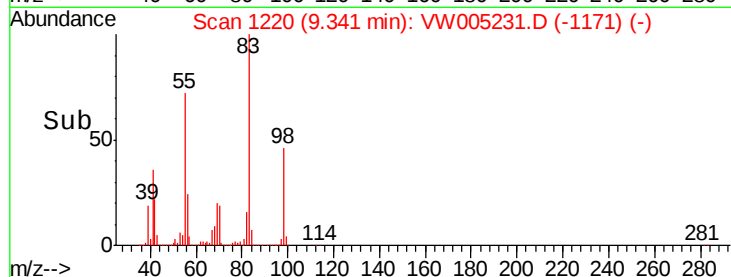
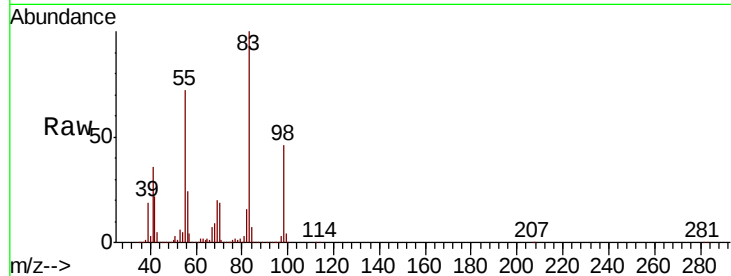
#39
Methvlcvclohexane
Concen: 107.41 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.5	58.7	88.1
98	46.3	36.1	54.1

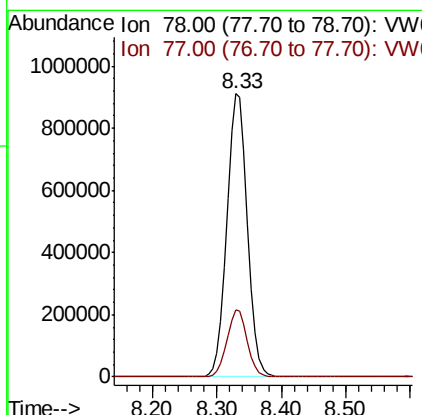
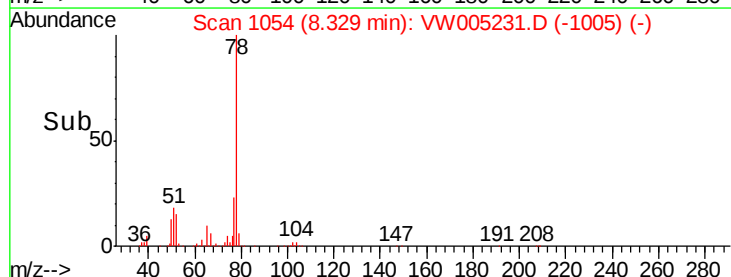
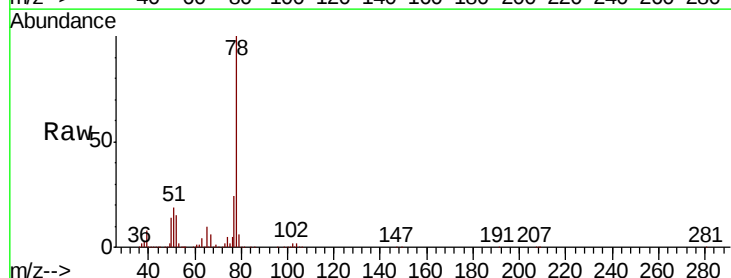
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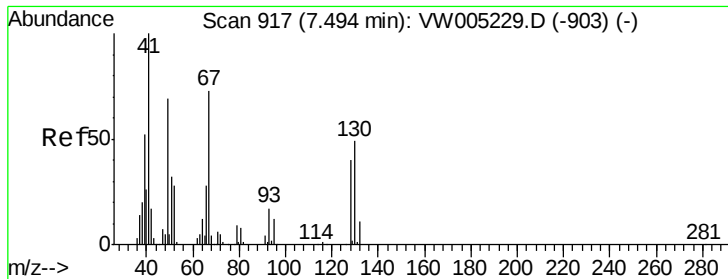
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#40
Benzene
Concen: 99.38 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.6	27.8





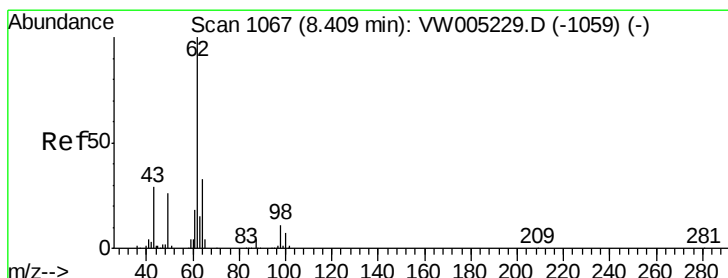
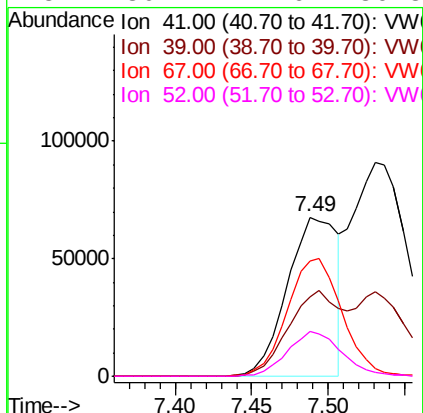
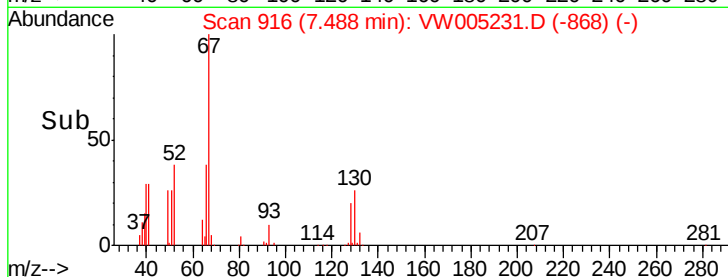
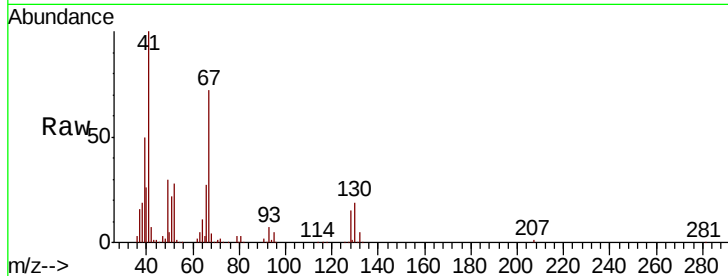
#41
Methacrylonitrile
Concen: 106.10 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	57.6	40.8	61.2
67	80.6	63.6	95.4
52	30.4	24.6	36.8

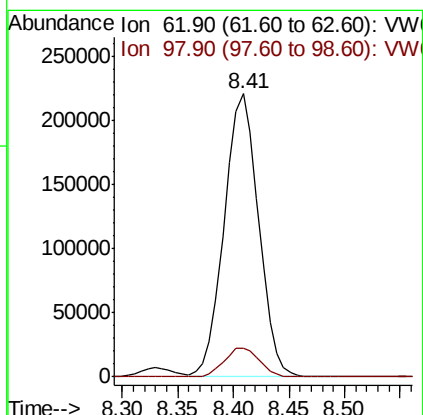
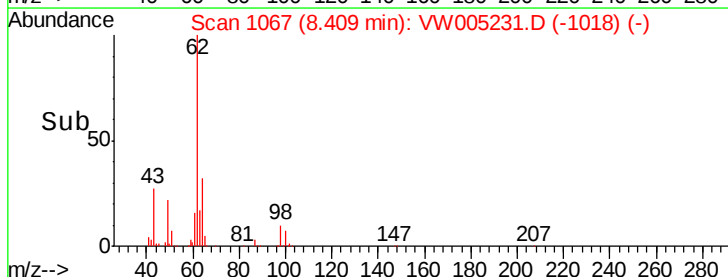
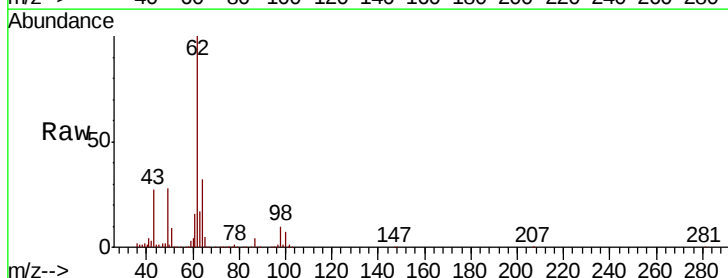
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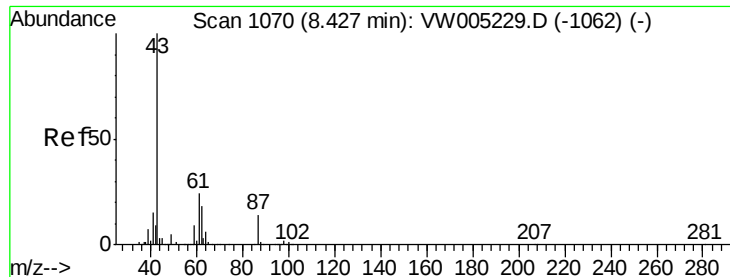
apatel
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#42
1,2-Dichloroethane
Concen: 94.44 ug/l
RT: 8.41 min Scan# 1067
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	21.0





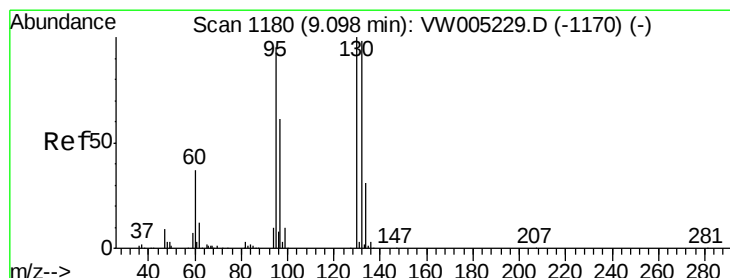
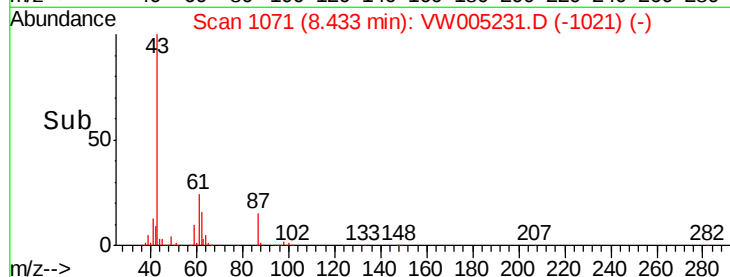
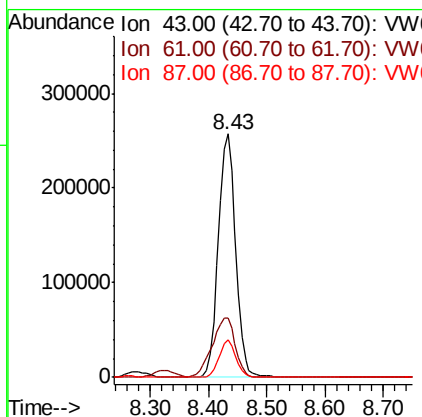
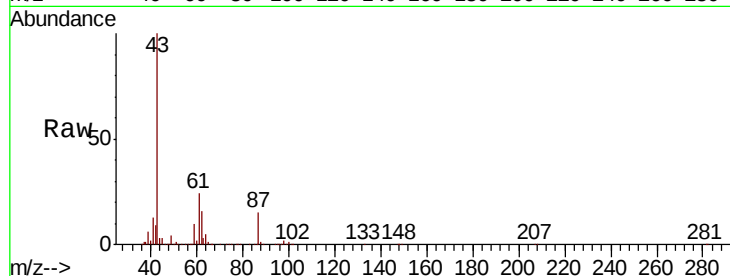
#43
Isopropyl Acetate
Concen: 113.63 ug/l
RT: 8.43 min Scan# 1071
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	32.2	26.6	39.8
87	14.8	12.2	18.2

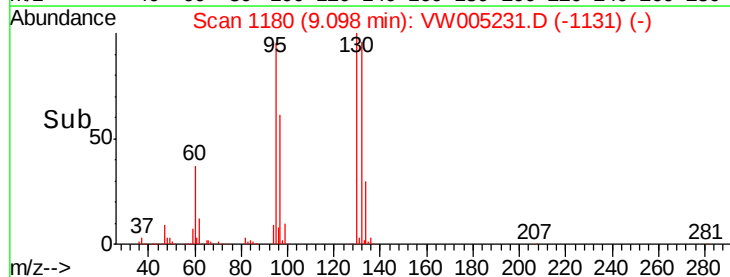
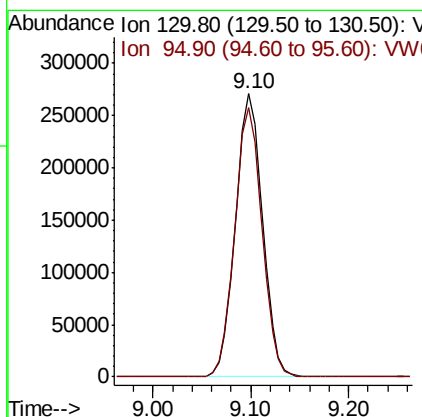
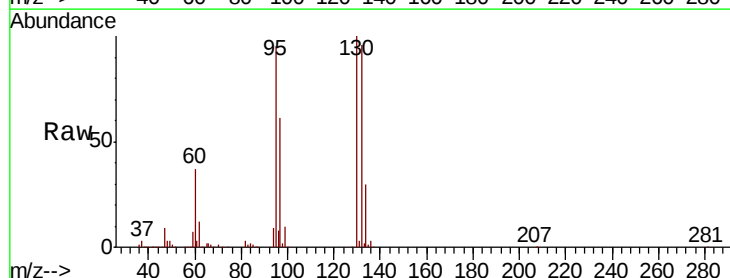
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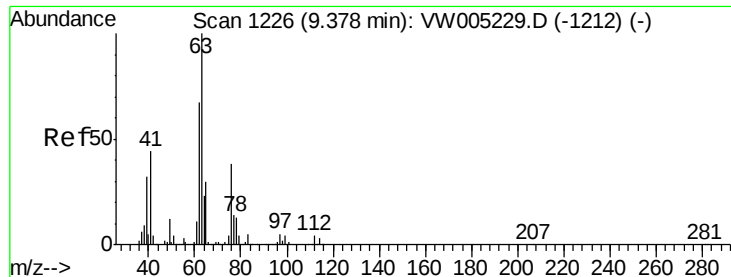
apatel
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#44
Trichloroethene
Concen: 94.91 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
130	100		
95	94.9	0.0	189.8





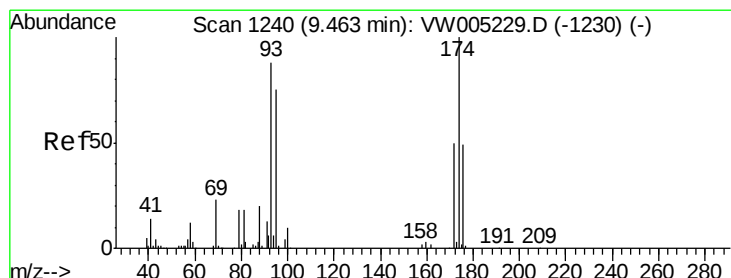
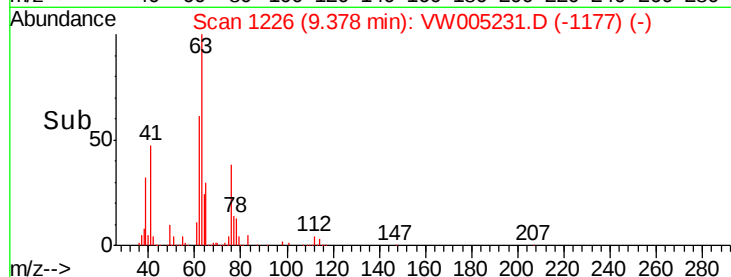
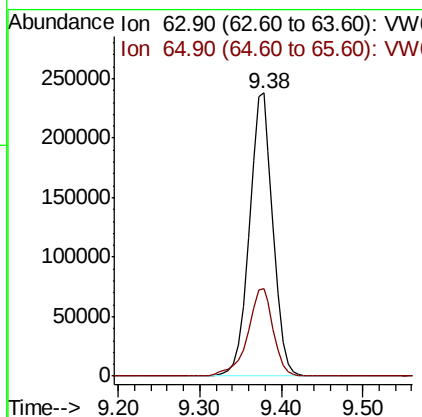
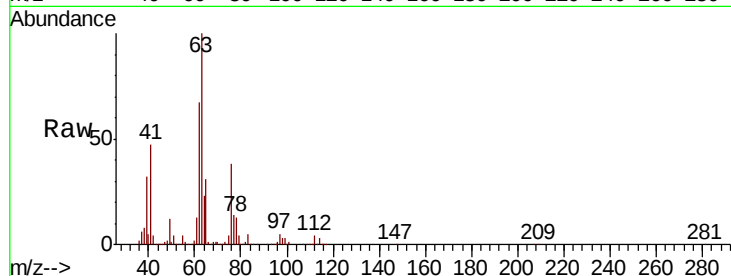
#45
 1,2-Dichloropropane
 Concen: 95.46 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	23.8	35.8

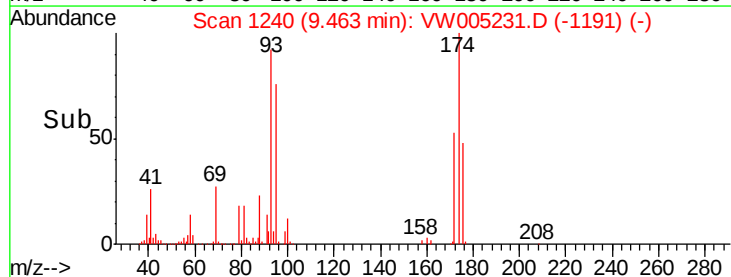
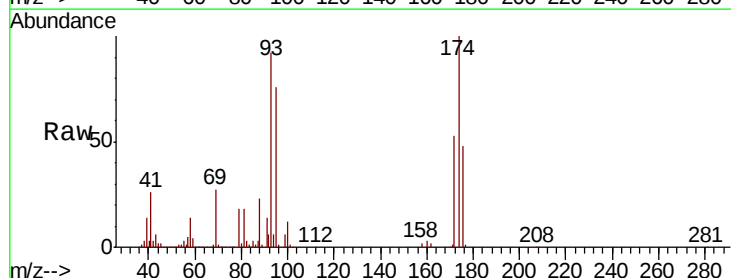
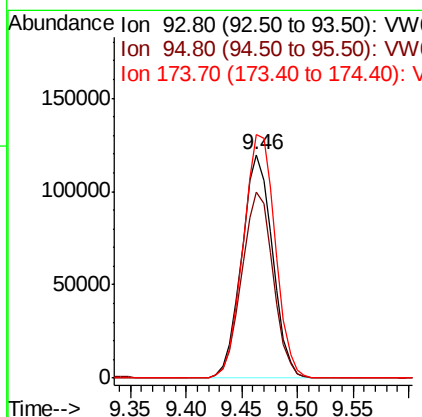
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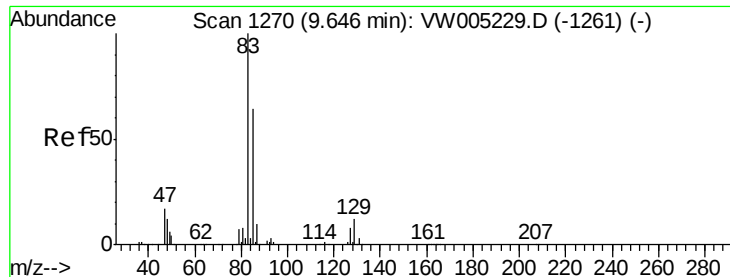
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#46
 Dibromomethane
 Concen: 96.51 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.7	67.4	101.2
174	113.8	91.9	137.9





#47

Bromodichloromethane

Concen: 92.56 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

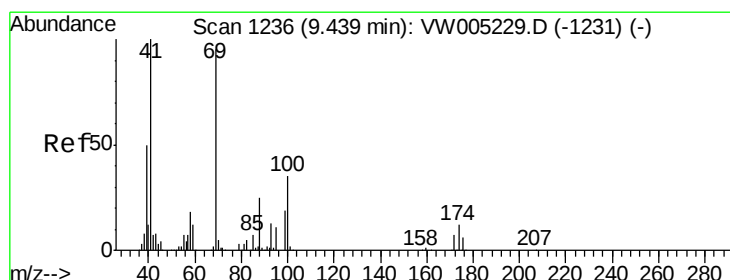
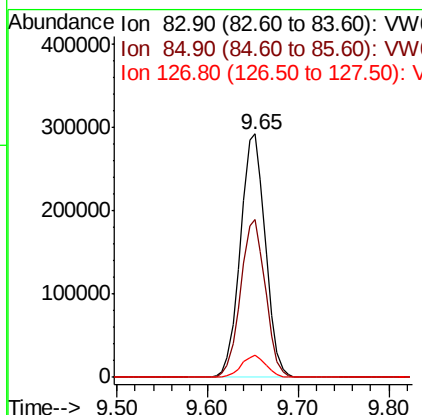
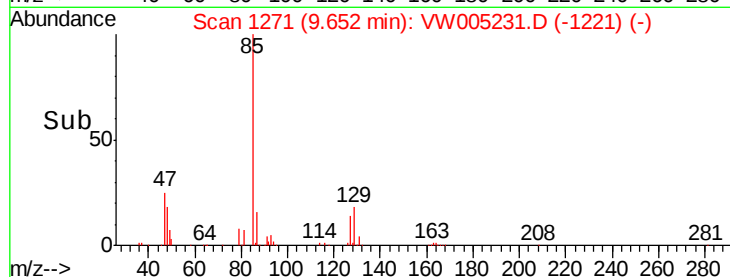
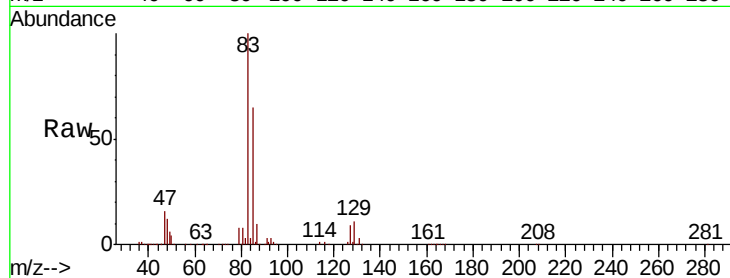
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	555746
Ion Ratio	Lower	Upper	
83	100		
85	64.9	51.0	76.6
127	9.2	6.7	10.1

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#48

Methyl methacrylate

Concen: 128.82 ug/l

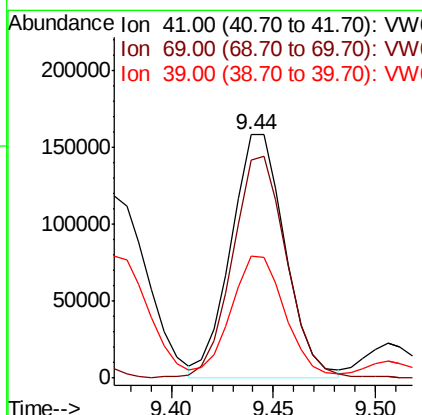
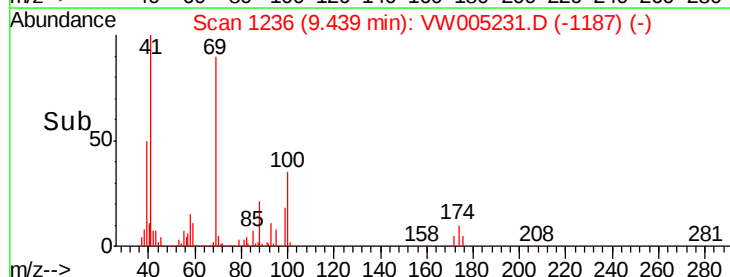
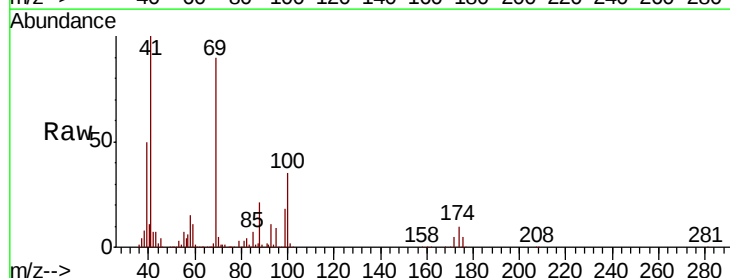
RT: 9.44 min Scan# 1236

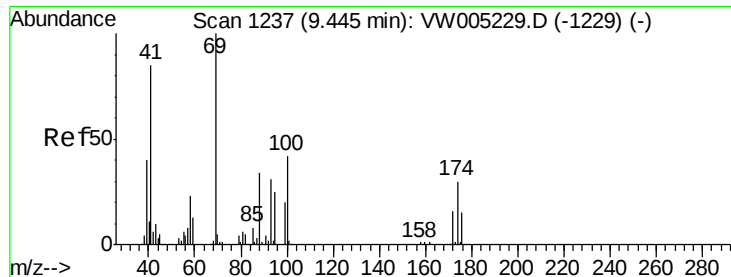
Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion:	41	Resp:	292360
Ion Ratio	Lower	Upper	
41	100		
69	91.6	73.6	110.4
39	46.7	36.9	55.3





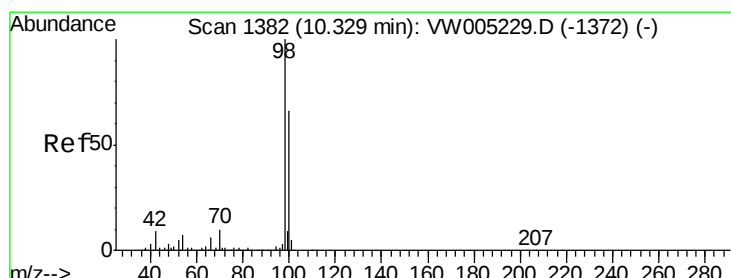
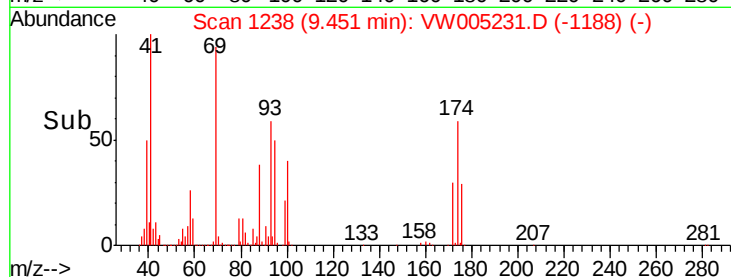
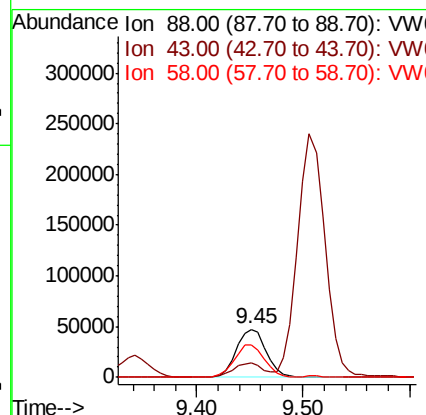
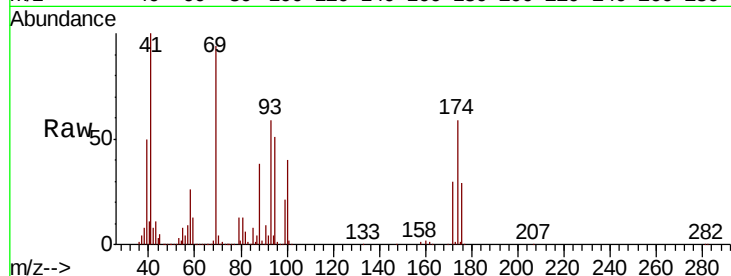
#49
1,4-Dioxane
Concen: 2392.92 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
88	100		
43	28.9	22.1	33.1
58	68.2	53.8	80.6

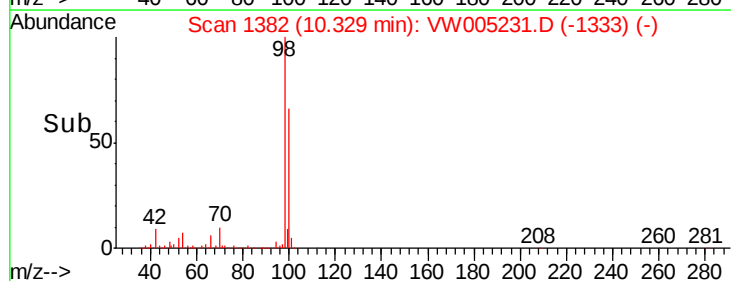
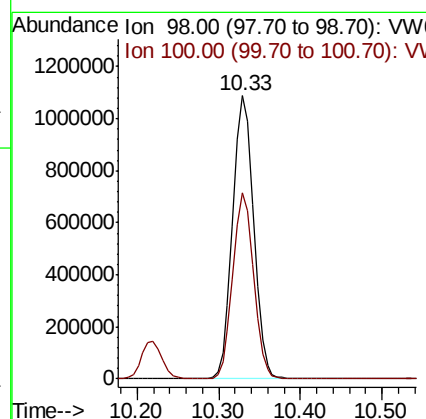
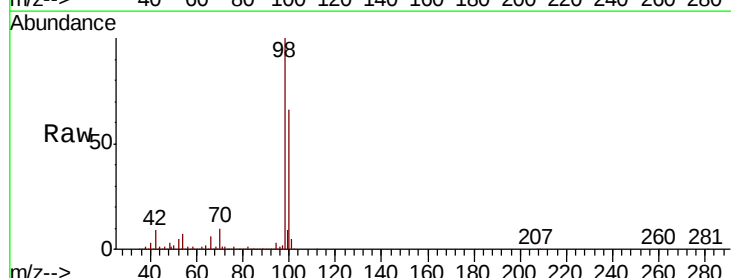
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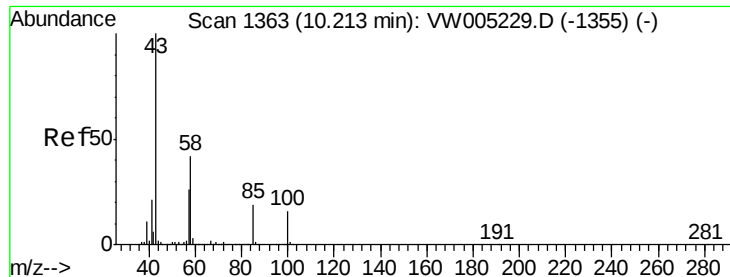
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#50
Toluene-d8
Concen: 101.29 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.5	78.7





#51

4-Methyl-2-Pentanone

Concen: 503.95 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 1513865

Ion Ratio Lower Upper

43 100

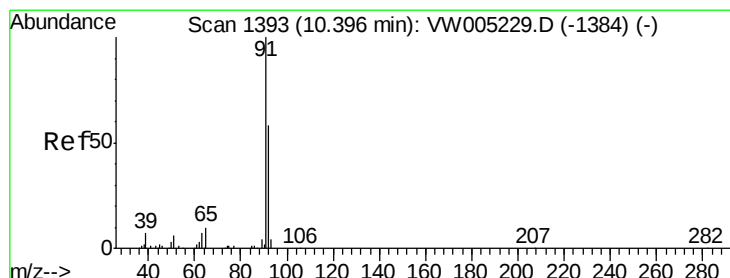
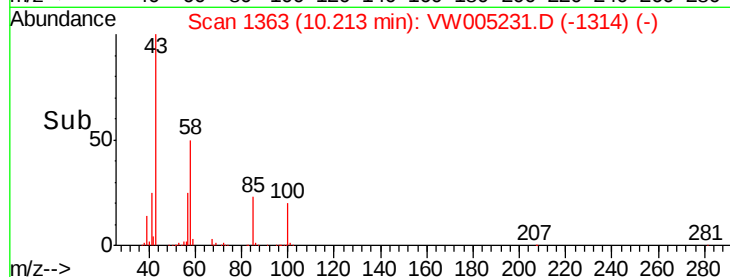
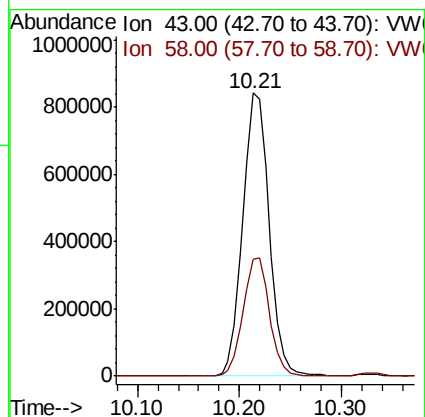
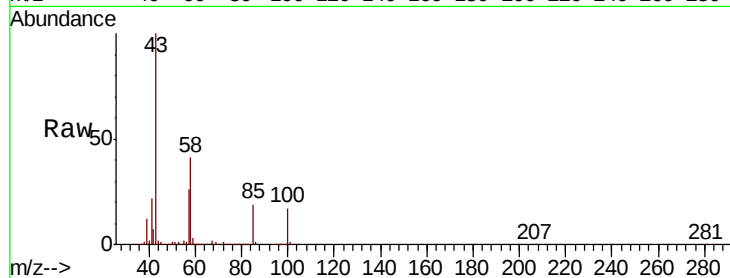
58 41.8 33.3 49.9

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#52

Toluene

Concen: 103.61 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW005231.D

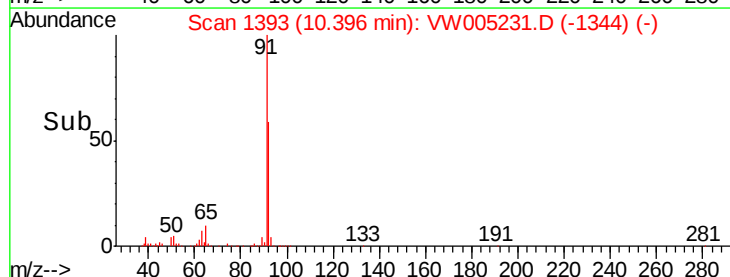
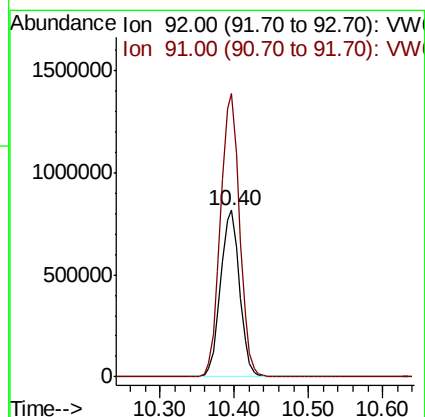
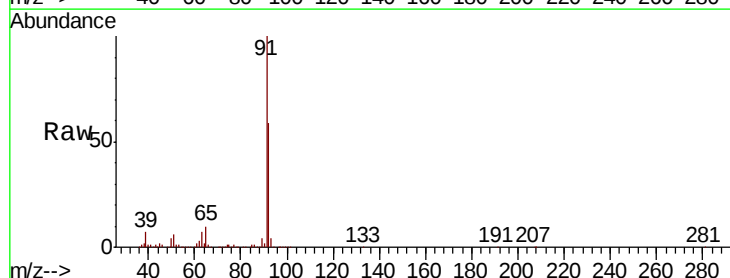
Acq: 08 Sep 2018 01:53

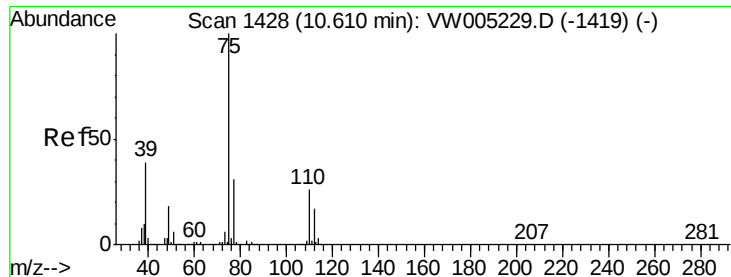
Tgt Ion: 92 Resp: 1439781

Ion Ratio Lower Upper

92 100

91 170.8 137.4 206.0





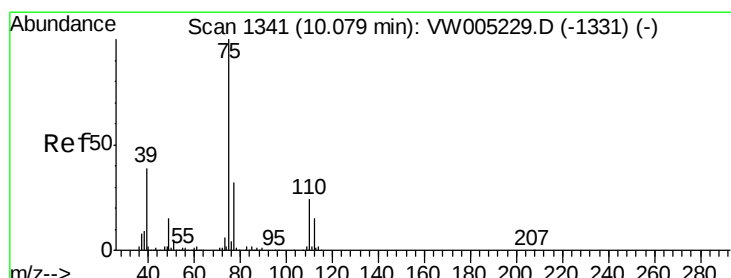
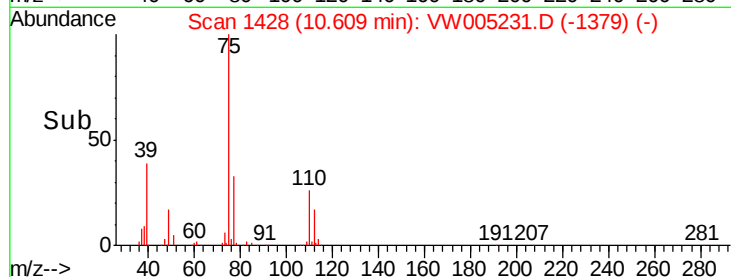
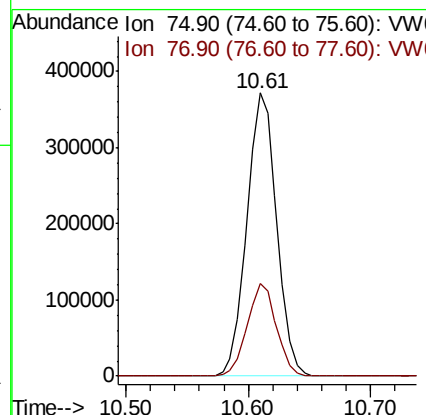
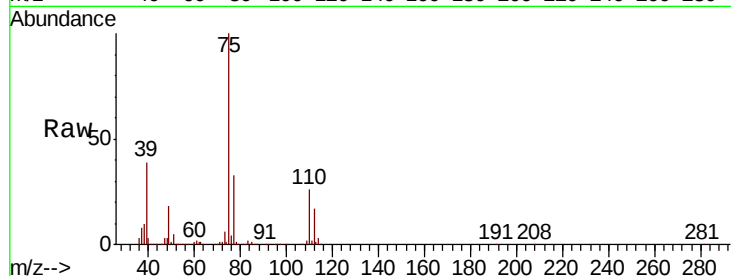
#53
 t-1,3-Dichloropropene
 Concen: 105.57 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 75 Resp: 627797
 Ion Ratio Lower Upper
 75 100
 77 32.8 24.7 37.1

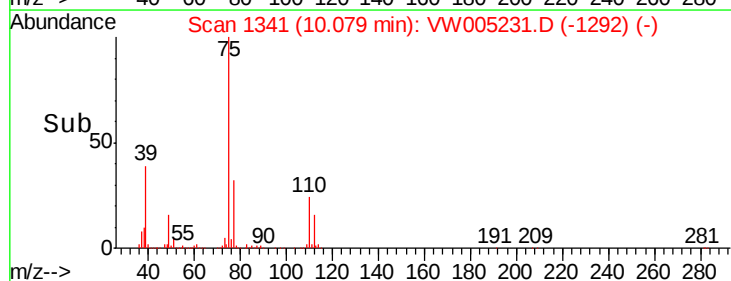
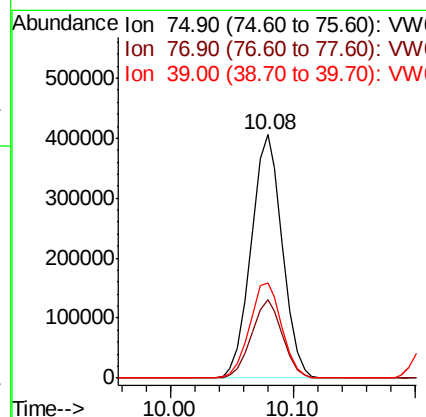
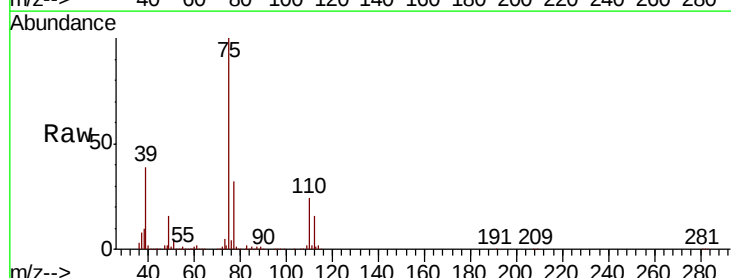
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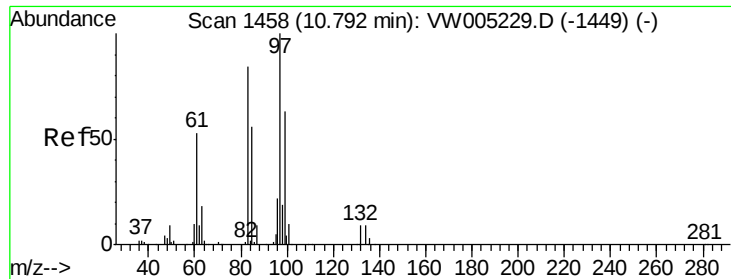
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#54
 cis-1,3-Dichloropropene
 Concen: 100.06 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion: 75 Resp: 719341
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.4 38.0
 39 38.8 31.2 46.8





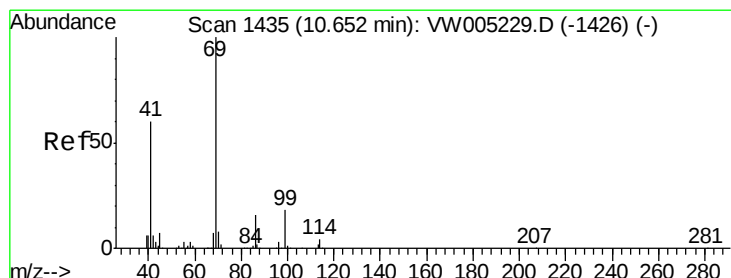
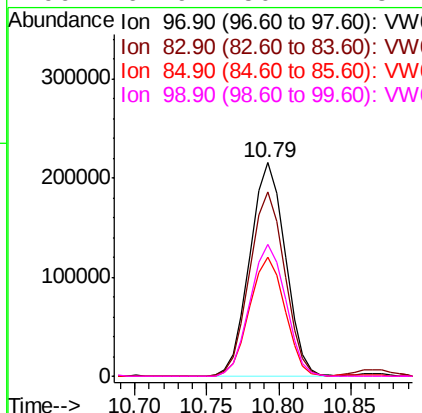
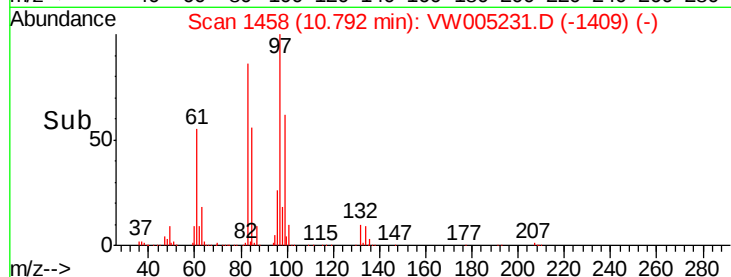
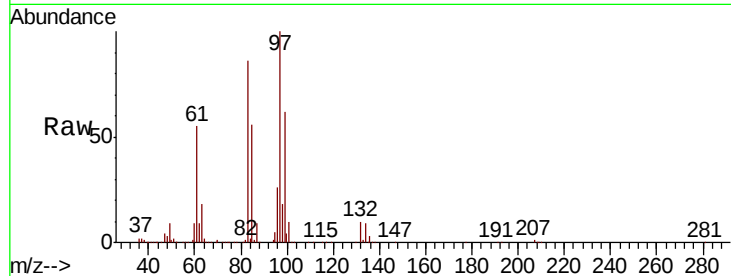
#55
 1,1,2-Trichloroethane
 Concen: 99.07 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:	97	Resp:	368307
Ion	Ratio	Lower	Upper
97	100		
83	86.4	67.4	101.0
85	55.5	44.6	66.8
99	61.9	50.1	75.1

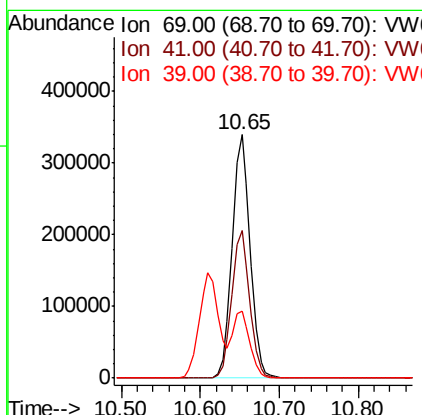
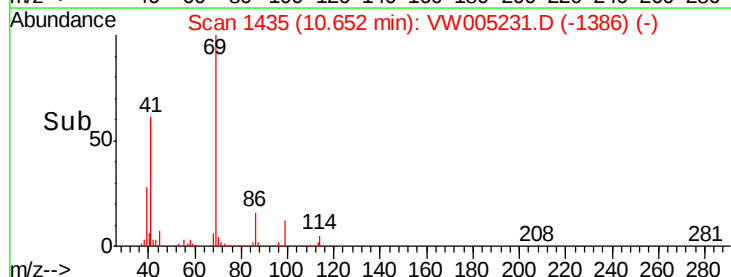
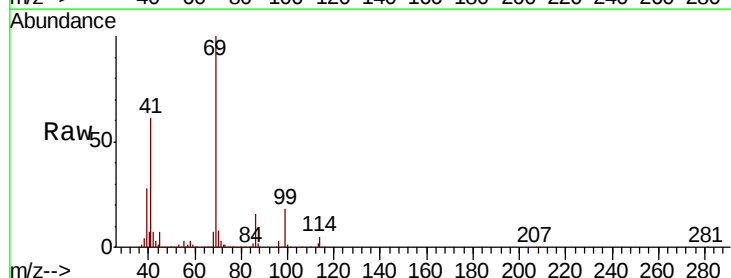
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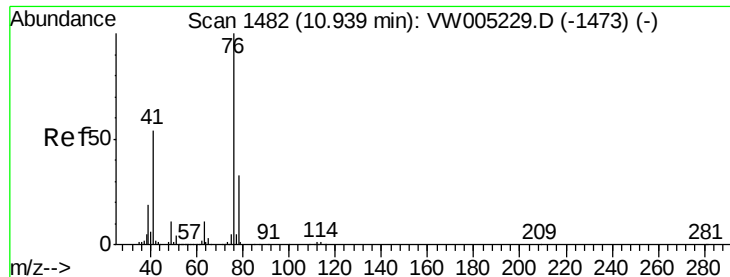
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#56
 Ethyl methacrylate
 Concen: 124.57 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion:	69	Resp:	538143
Ion	Ratio	Lower	Upper
69	100		
41	60.1	47.9	71.9
39	26.1	20.9	31.3





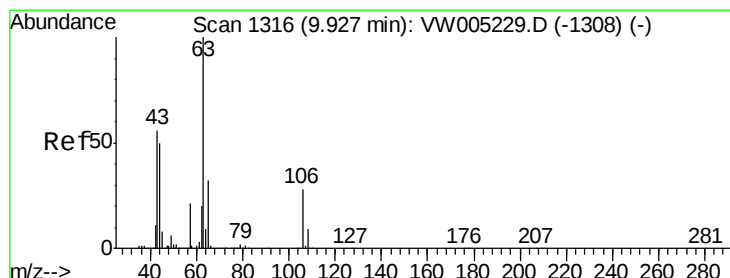
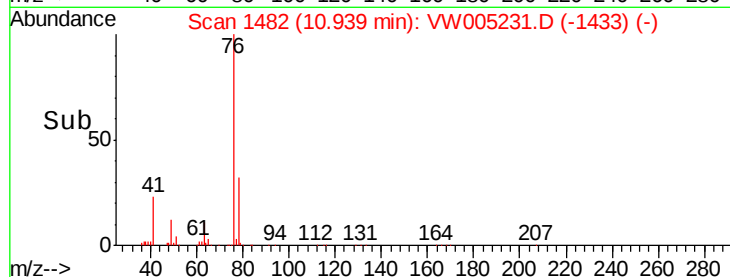
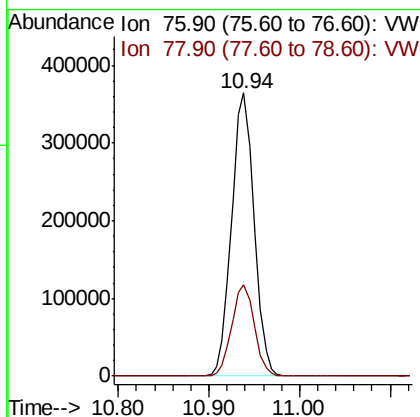
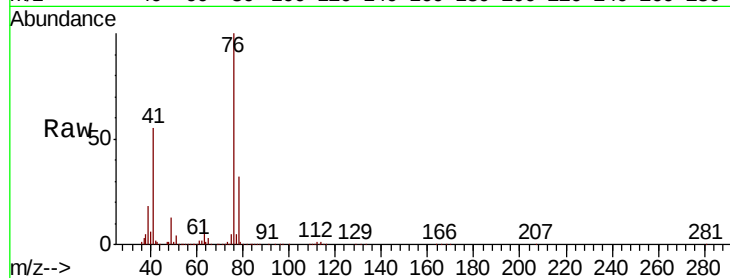
#57
 1,3-Dichloropropane
 Concen: 102.22 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.4	25.5	38.3

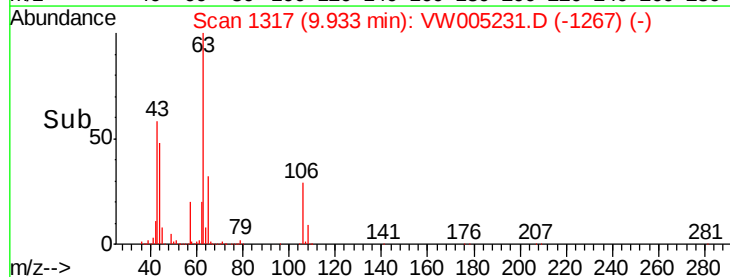
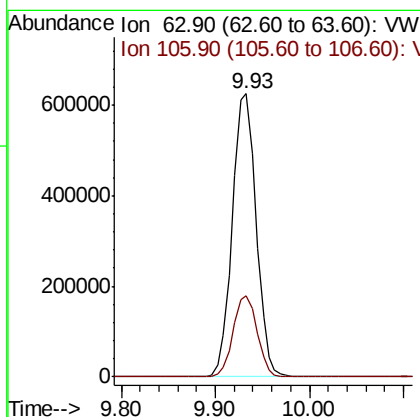
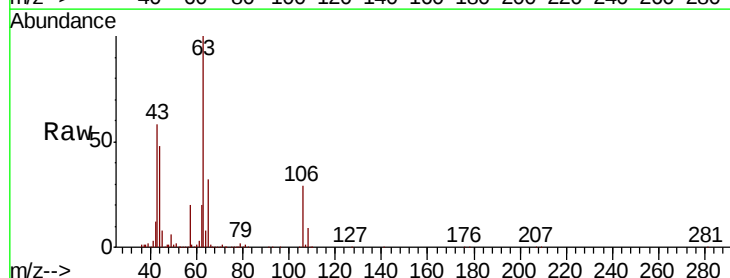
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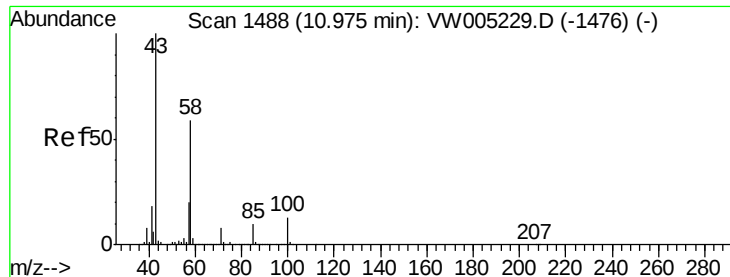
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#58
 2-Chloroethyl Vinyl ether
 Concen: 546.36 ug/l
 RT: 9.93 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	23.3	34.9





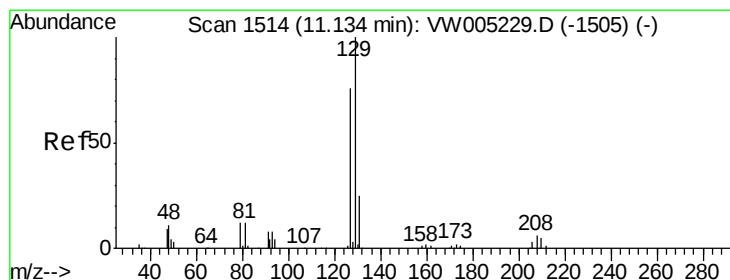
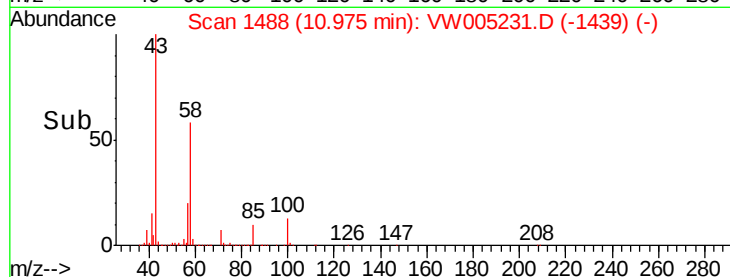
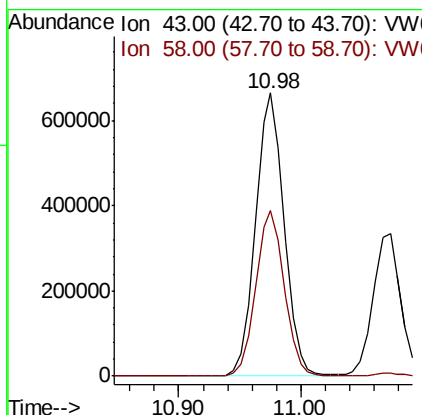
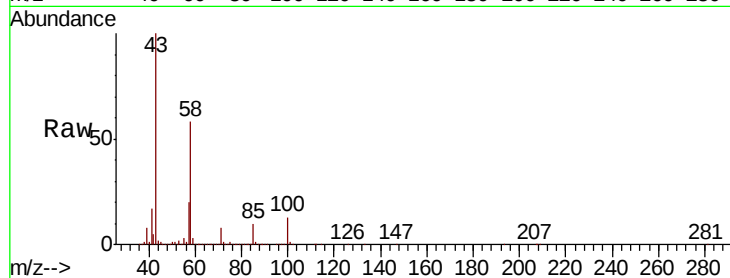
#59
2-Hexanone
Concen: 528.89 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 43 Resp: 1079421
Ion Ratio Lower Upper
43 100
58 58.7 29.2 87.6

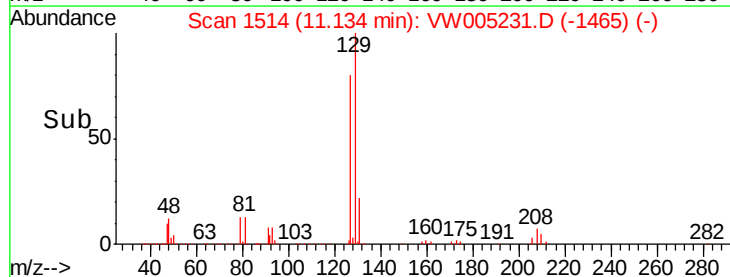
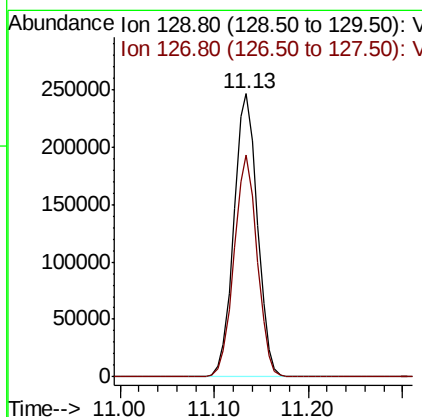
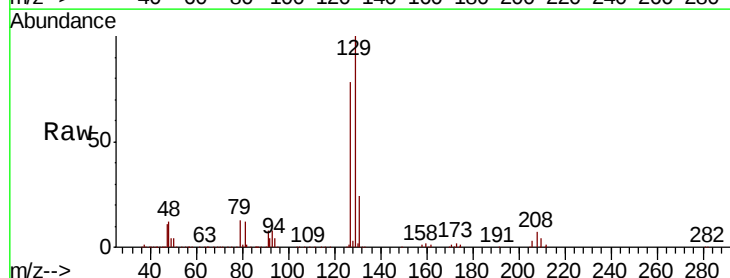
Manual Integrations
APPROVED

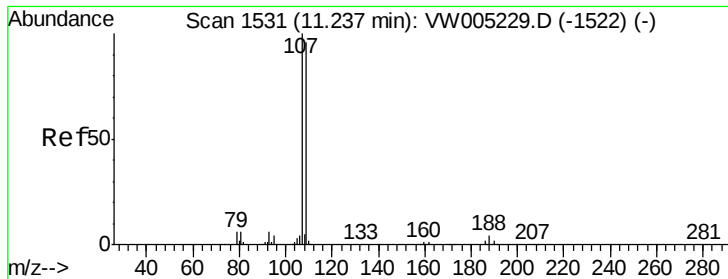
apatel
9/10/2018 10:42:31 AM



#60
Dibromochloromethane
Concen: 101.41 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 129 Resp: 426356
Ion Ratio Lower Upper
129 100
127 76.8 38.7 116.1





#61

1,2-Dibromoethane

Concen: 104.00 ug/l

RT: 11.24 min Scan# 1532

Delta R.T. 0.01 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 107 Resp: 351218

Ion Ratio Lower Upper

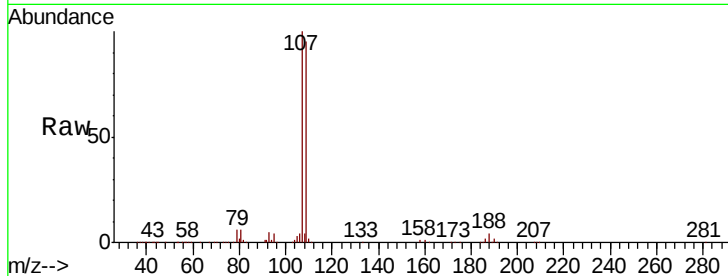
107 100

109 95.4 76.6 115.0

Manual Integrations
APPROVED

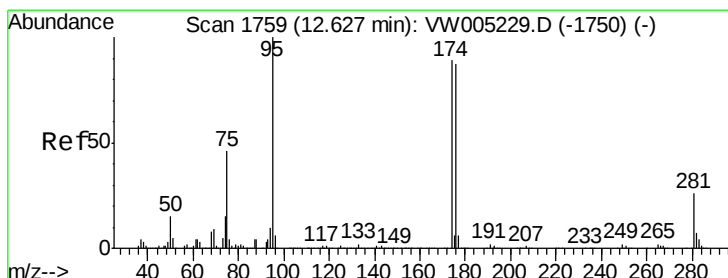
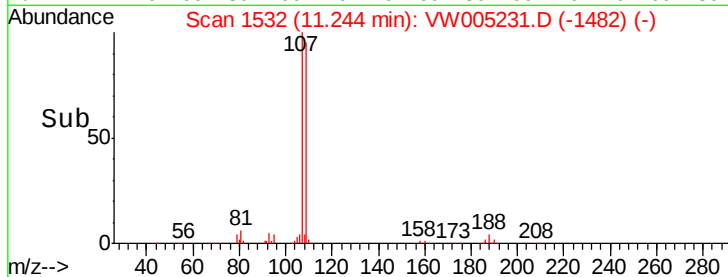
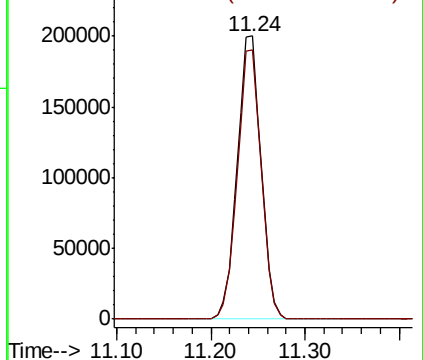
apatel

9/10/2018 10:42:31 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 104.51 ug/l

RT: 12.63 min Scan# 1759

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

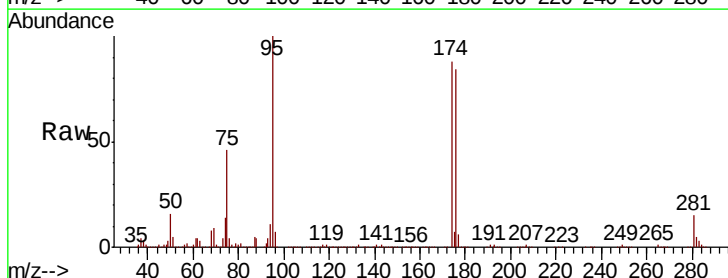
Tgt Ion: 95 Resp: 707130

Ion Ratio Lower Upper

95 100

174 86.0 0.0 173.2

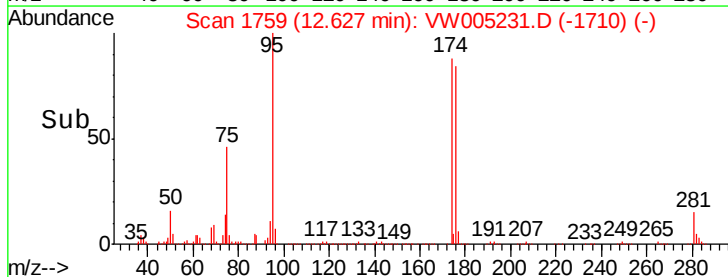
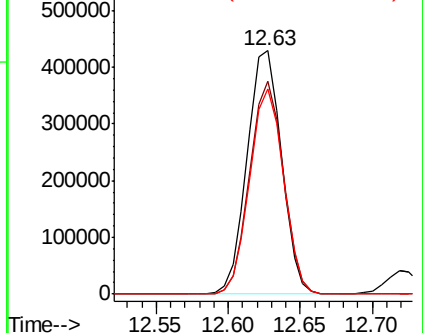
176 83.4 0.0 167.2

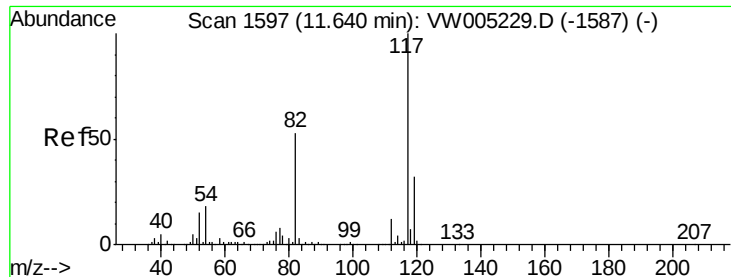


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





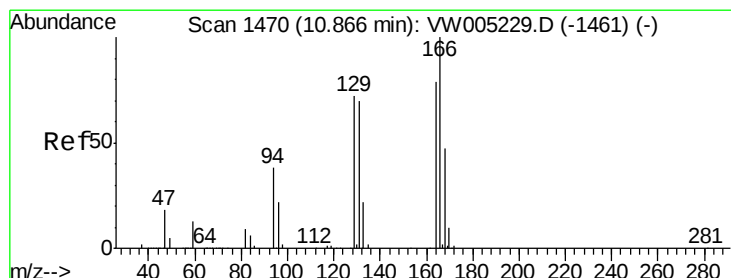
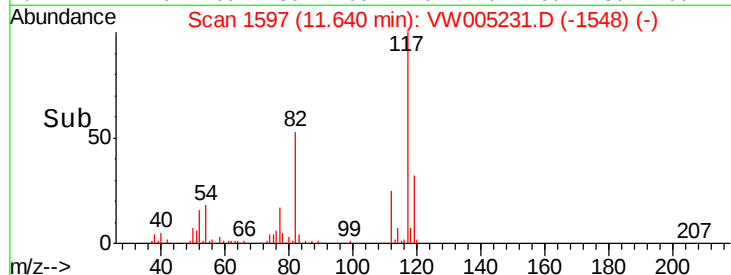
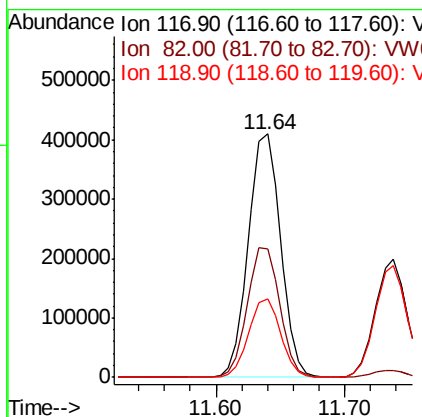
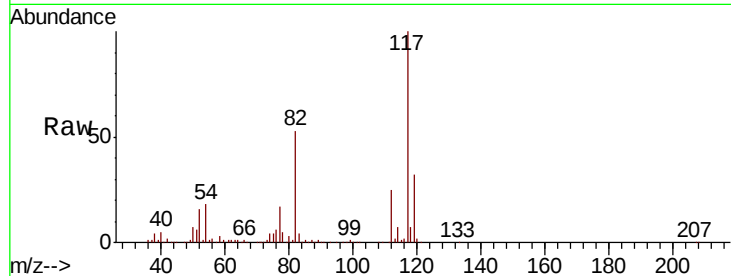
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
117	100	709034		
82	52.9		42.3	63.5
119	32.1		25.7	38.5

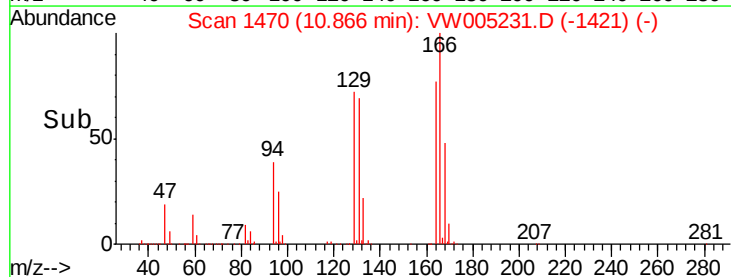
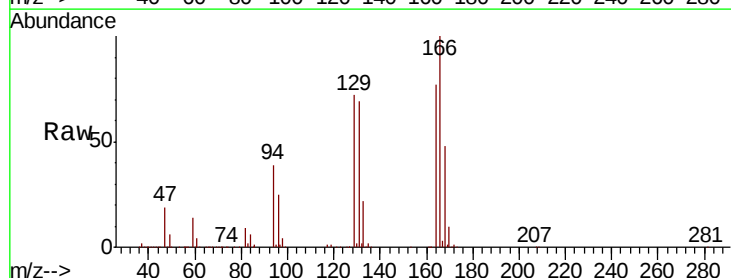
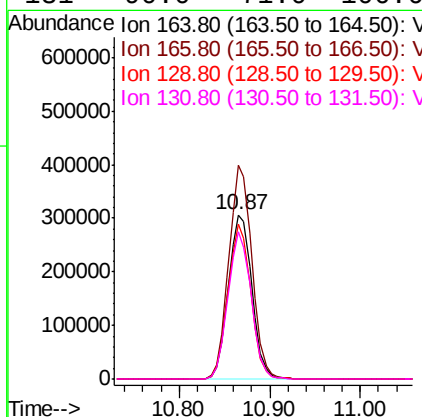
Manual Integrations
APPROVED

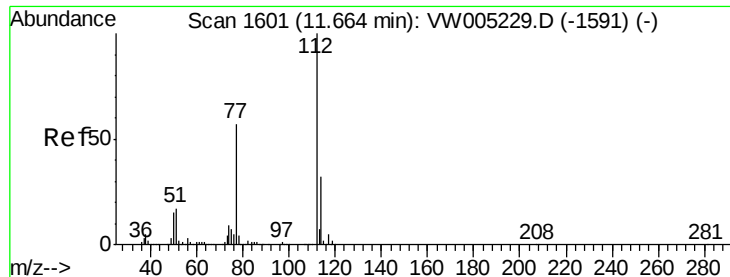
apatel
9/10/2018 10:42:31 AM



#64
Tetrachloroethene
Concen: 99.67 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	551936		
166	130.3		101.0	151.6
129	94.2		73.0	109.4
131	90.0		71.0	106.6





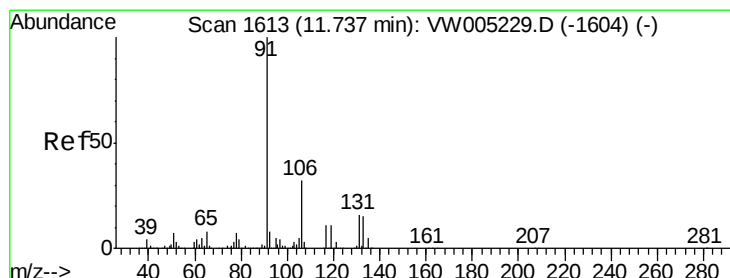
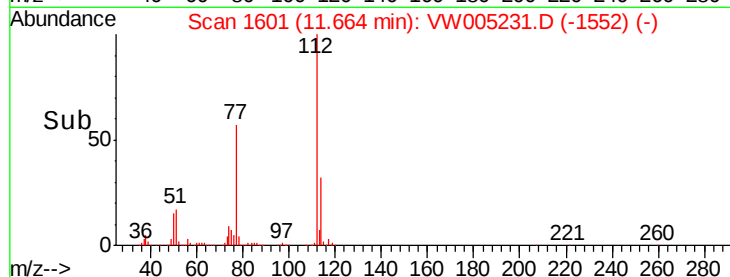
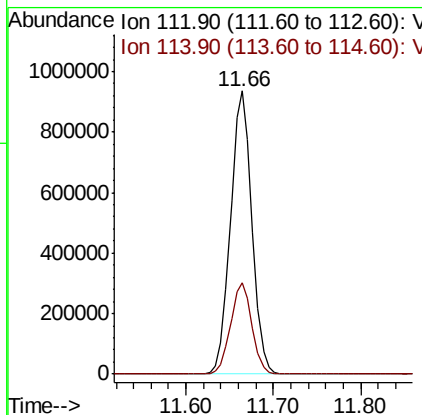
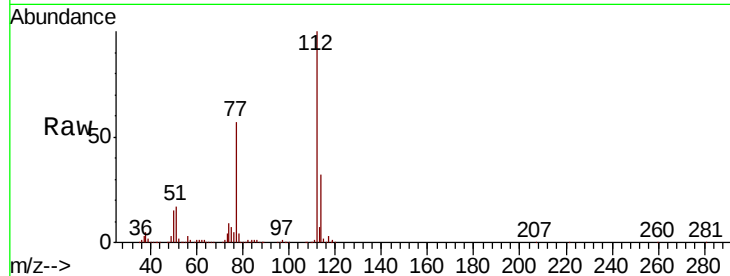
#65
Chlorobenzene
Concen: 100.79 ug/l
RT: 11.66 min Scan# 1601
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:112 Resp: 1587638
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5

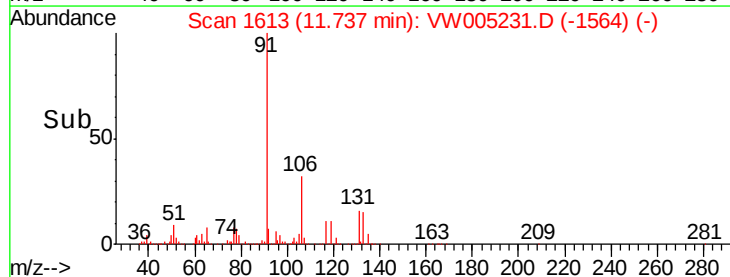
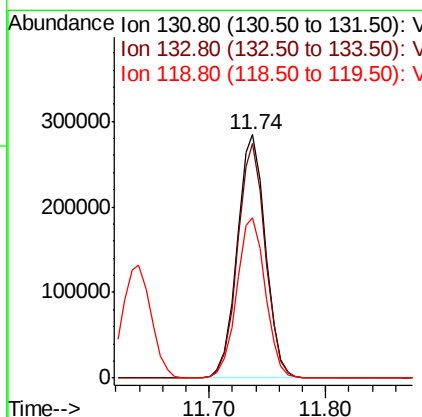
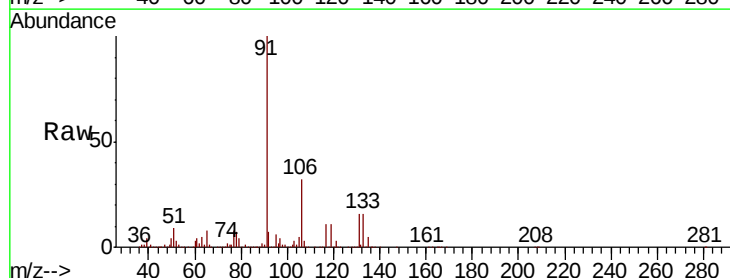
Manual Integrations
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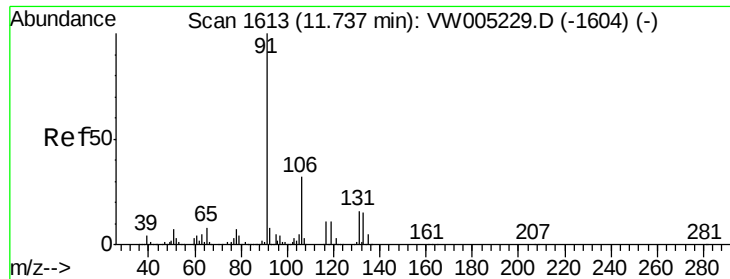
apatel
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#66
1,1,1,2-Tetrachloroethane
Concen: 99.85 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion:131 Resp: 480001
Ion Ratio Lower Upper
131 100
133 94.9 47.9 143.6
119 66.7 33.3 99.8





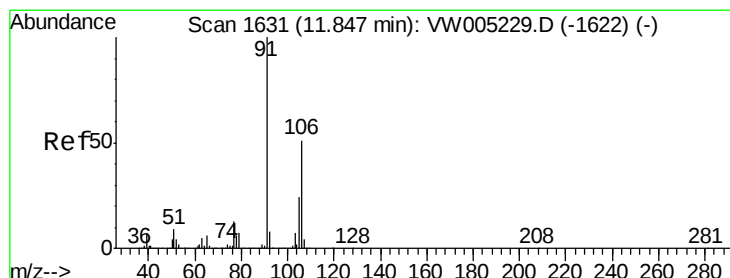
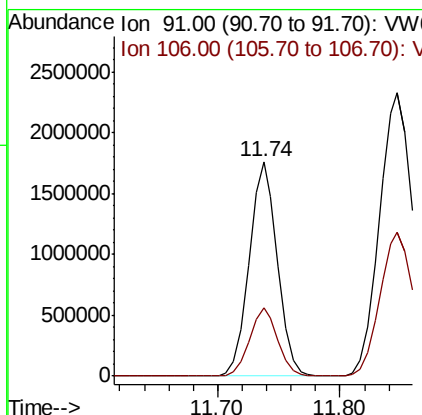
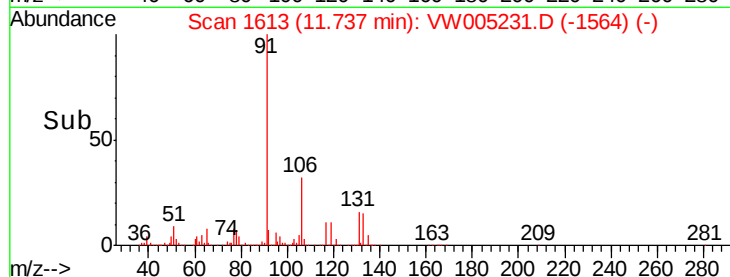
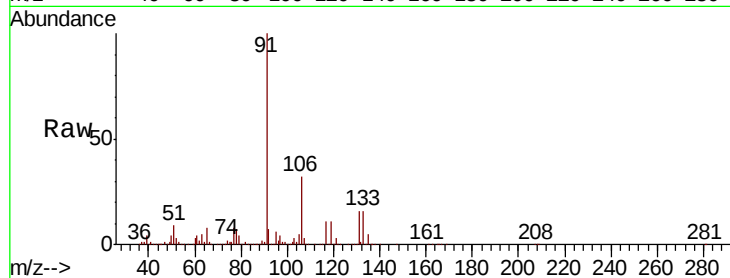
#67
Ethyl Benzene
Concen: 105.92 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 2811642
Ion Ratio Lower Upper
91 100
106 31.7 25.5 38.3

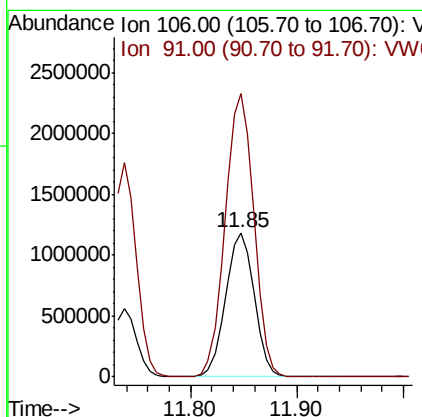
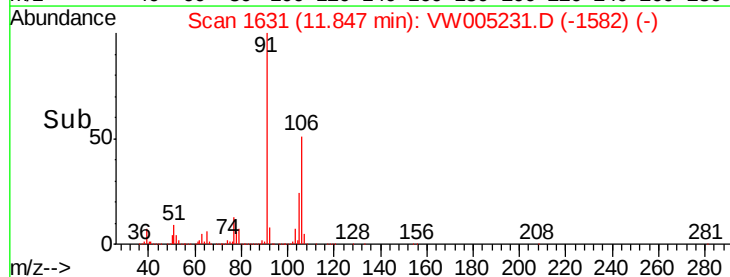
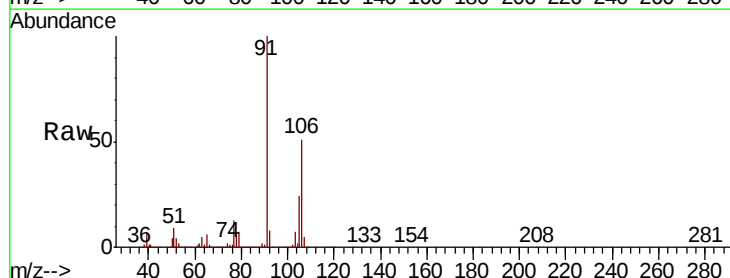
Manual Integrations
APPROVED

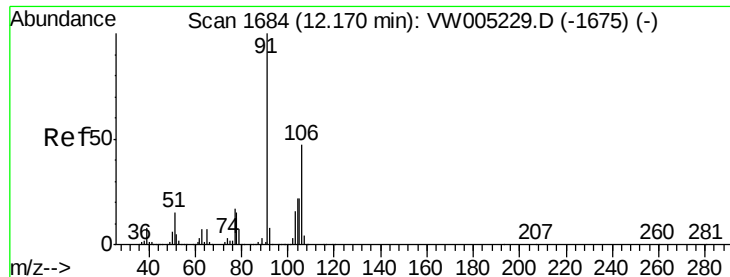
apatel
9/10/2018 10:42:31 AM



#68
m/p-Xylenes
Concen: 209.35 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion: 106 Resp: 2222473
Ion Ratio Lower Upper
106 100
91 197.6 157.4 236.2





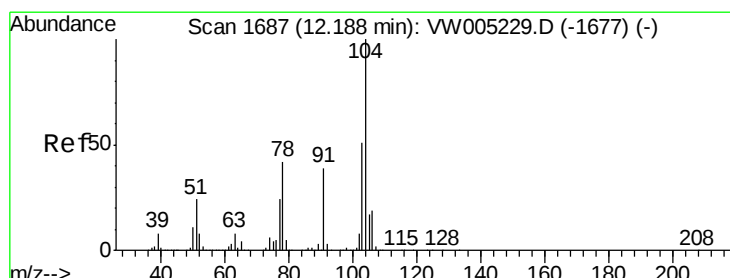
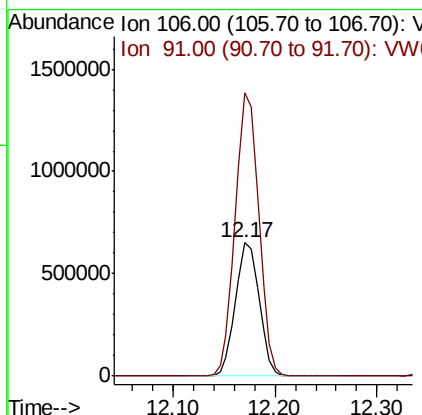
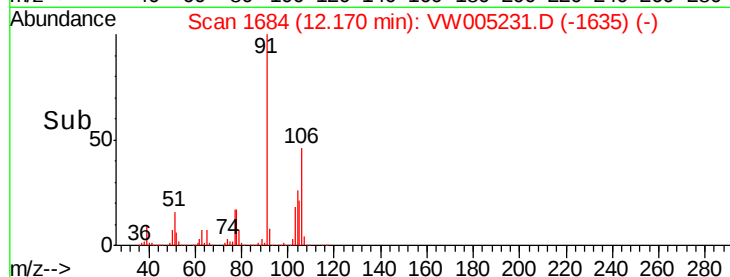
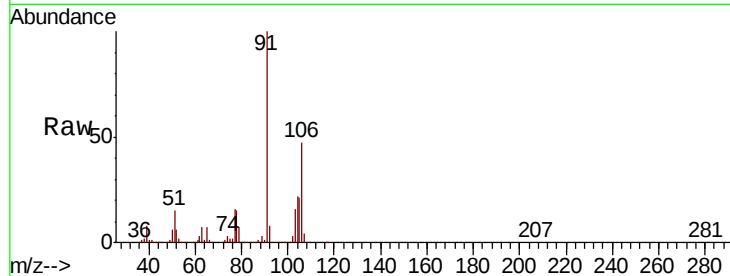
#69
o-Xylene
Concen: 106.51 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion:106 Resp: 1049540
Ion Ratio Lower Upper
106 100
91 211.2 104.5 313.3

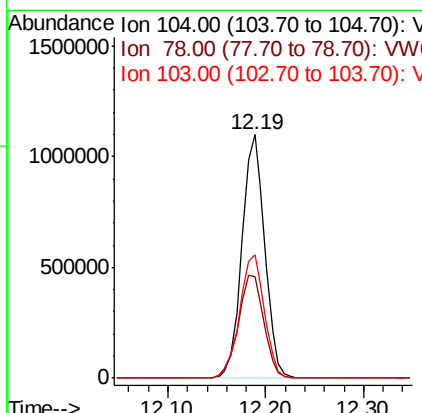
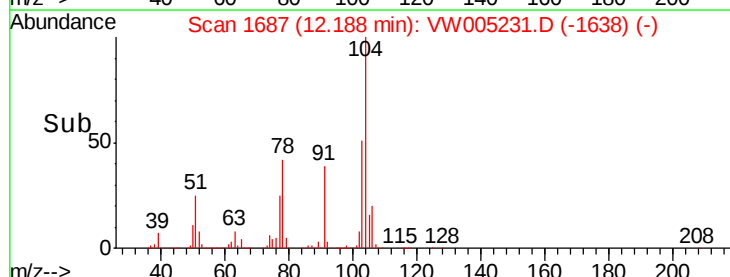
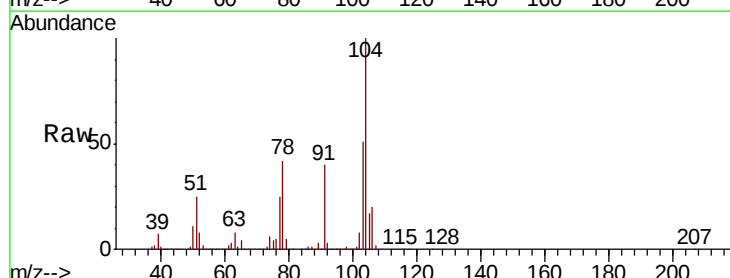
Manual Integrations
APPROVED

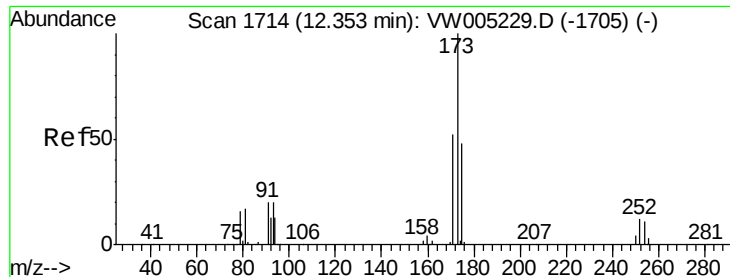
apatel
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#70
Styrene
Concen: 109.05 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion:104 Resp: 1769617
Ion Ratio Lower Upper
104 100
78 47.5 37.9 56.9
103 55.2 44.1 66.1





#71

Bromoform

Concen: 107.15 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

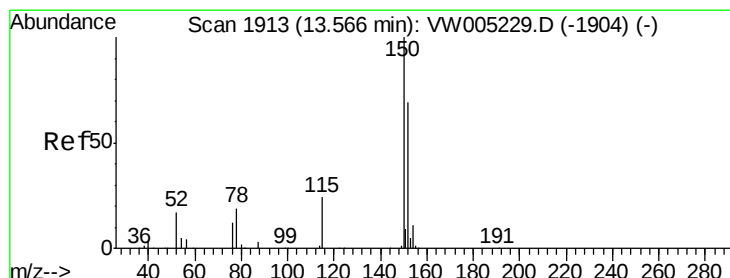
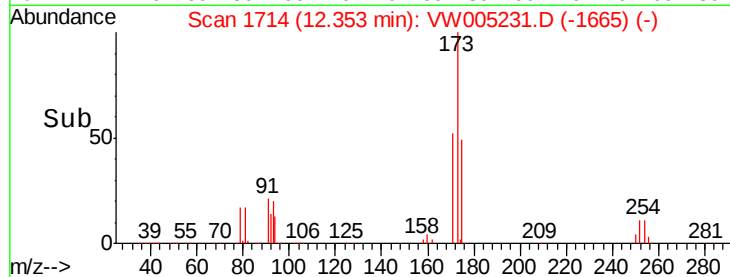
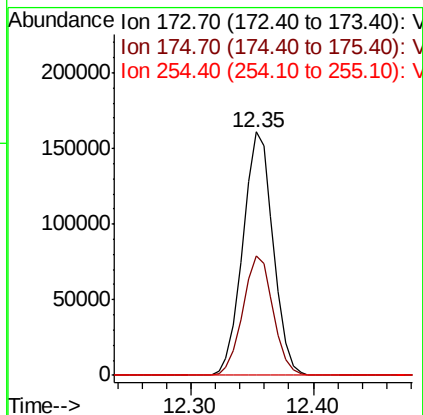
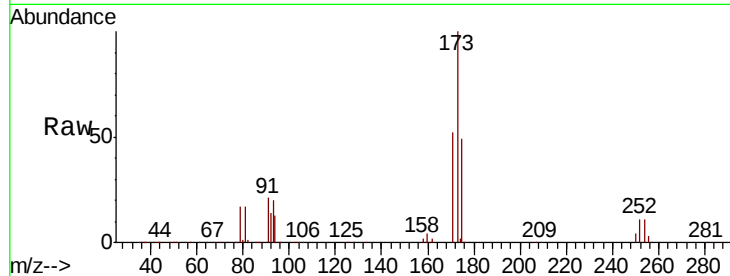
ClientSampleId :

VSTDIC100

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.0	72.0
254	0.1	0.1	0.1

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

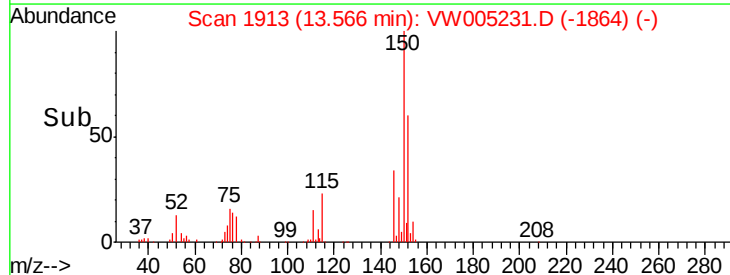
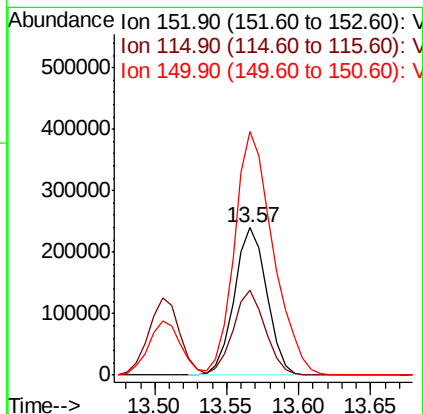
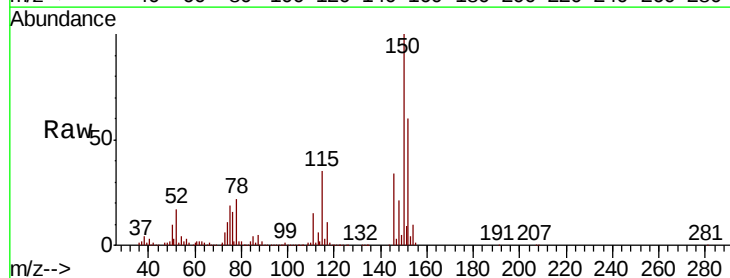
RT: 13.57 min Scan# 1913

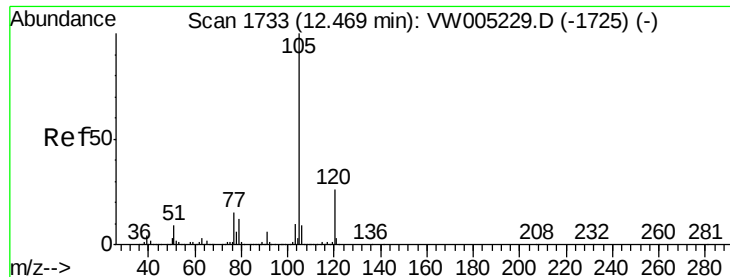
Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.3
150	194.1	0.0	351.4





#73

Isopropylbenzene

Concen: 106.50 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion:105 Resp: 2800809

Ion Ratio Lower Upper

105 100

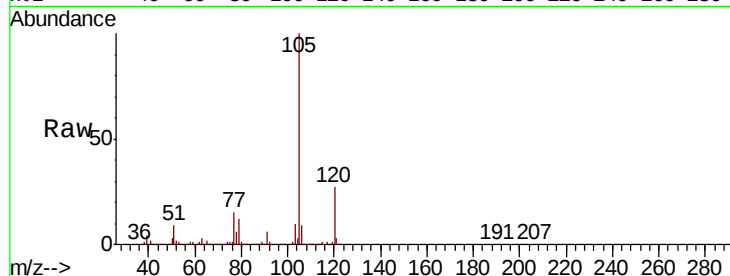
120 26.9 13.4 40.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

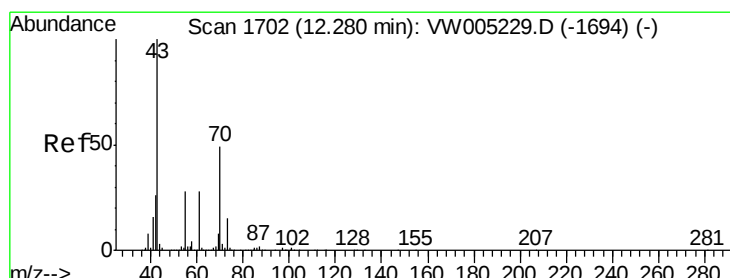
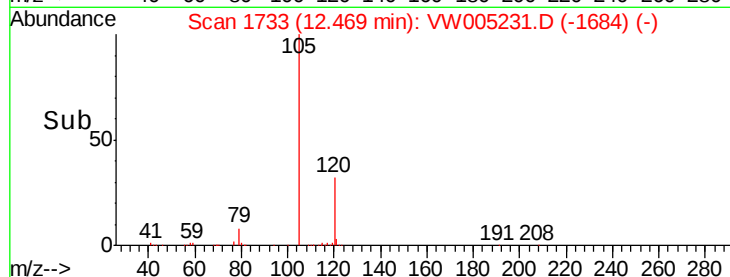
1000000

500000

0

12.40 12.50 12.60

Time-->



#74

N-ethyl acetate

Concen: 128.93 ug/l

RT: 12.28 min Scan# 1702

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion: 43 Resp: 602156

Ion Ratio Lower Upper

43 100

70 46.2 38.3 57.5

55 26.5 22.5 33.7

61 26.3 21.1 31.7

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

600000

500000

400000

300000

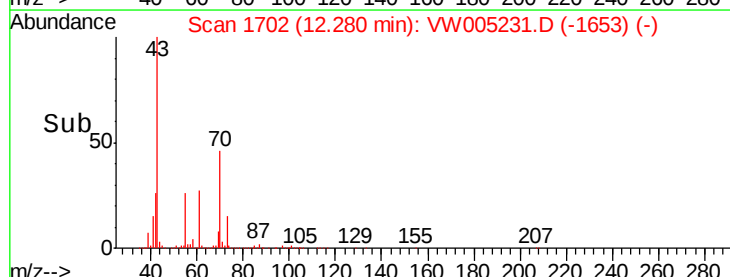
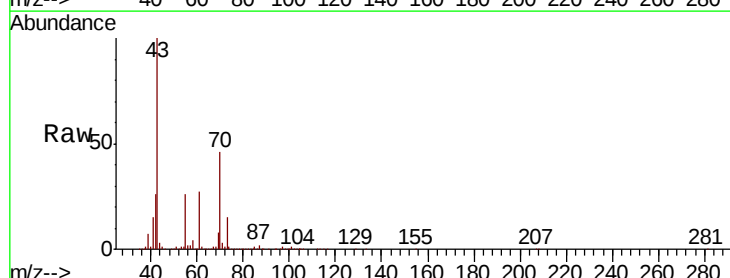
200000

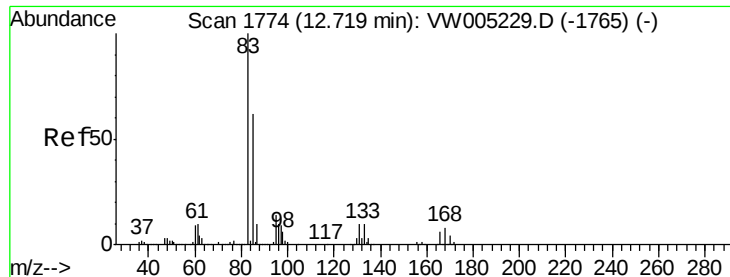
100000

0

12.20 12.30 12.40

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 110.07 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

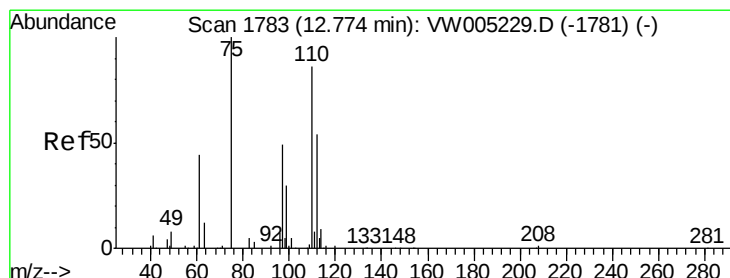
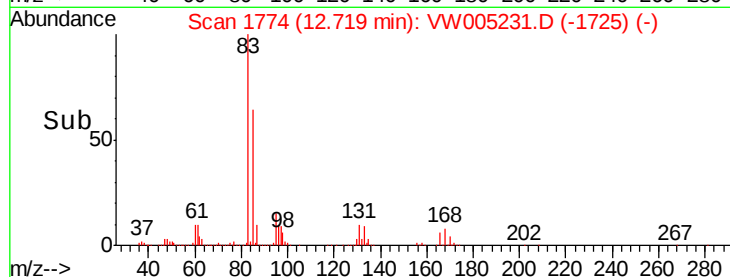
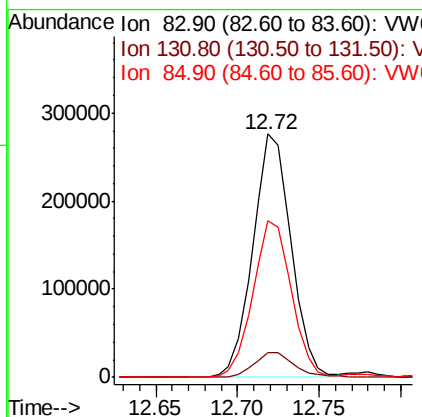
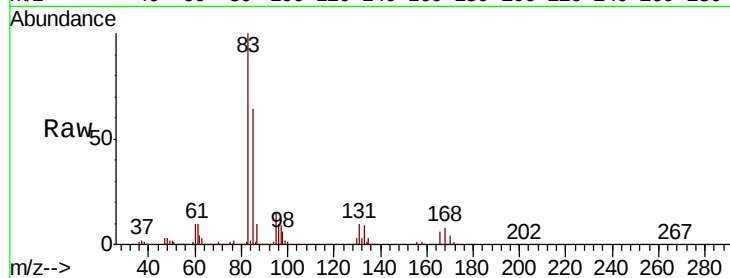
ClientSampled :

VSTDIC100

Tot Ion:	83	Resp:	449441
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	16.1
85	64.6	32.0	96.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 108.60 ug/l m

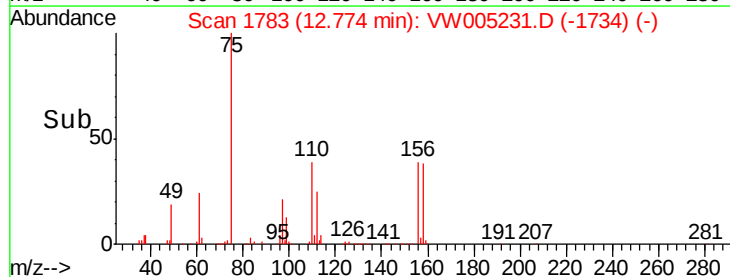
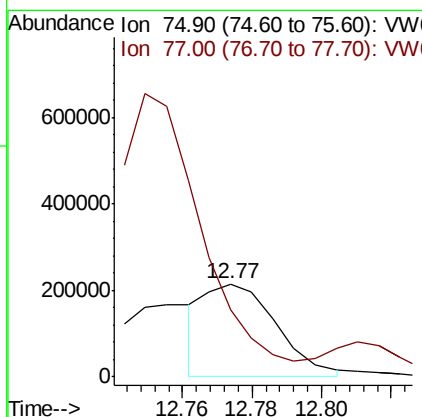
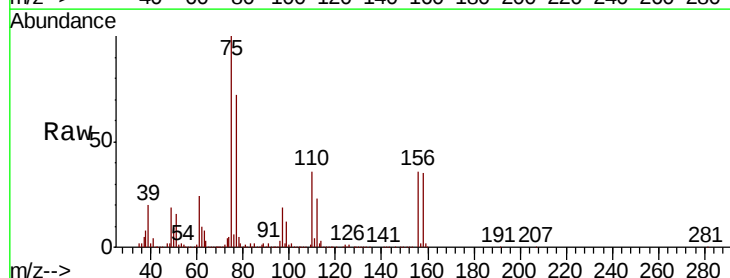
RT: 12.77 min Scan# 1783

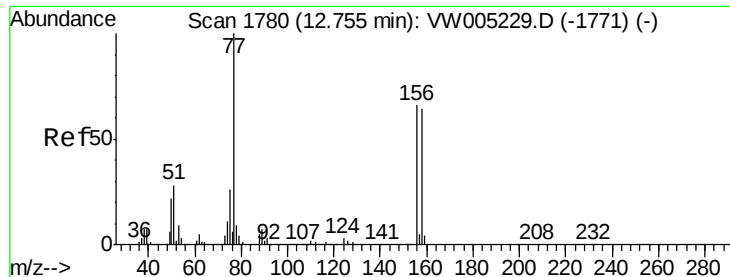
Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion:	75	Resp:	311235
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 103.43 ug/l

RT: 12.76 min Scan# 1780

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

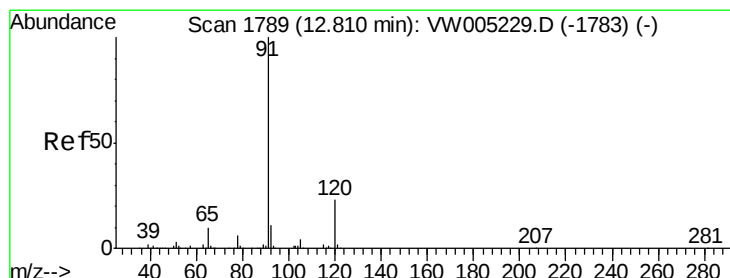
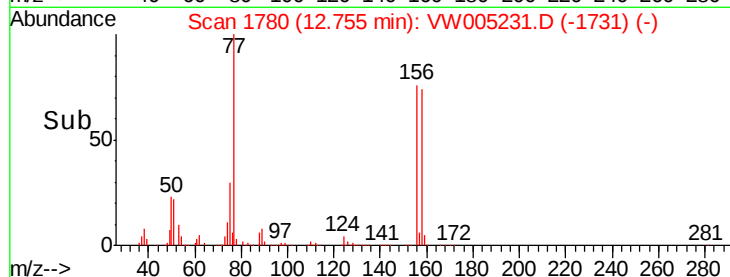
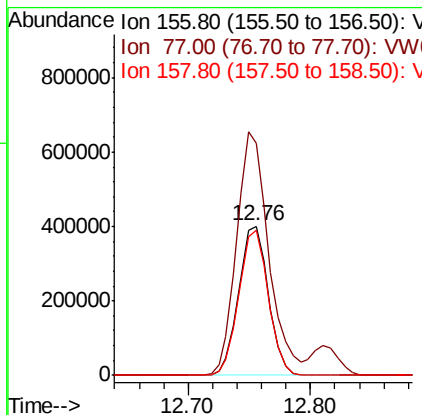
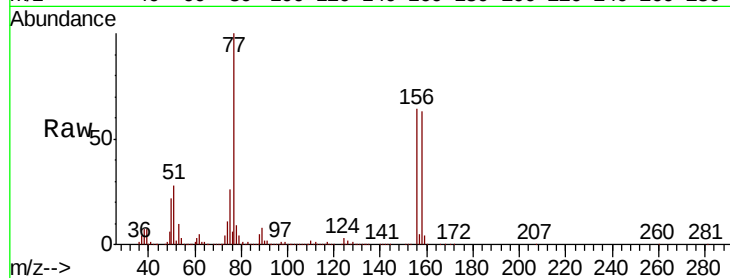
ClientSampled :

VSTDIC100

Tot Ion:	156	Resp:	671800
Ion Ratio	Lower	Upper	
156	100		
77	176.5	86.4	259.2
158	96.9	48.4	145.0

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#78

n-propylbenzene

Concen: 106.09 ug/l

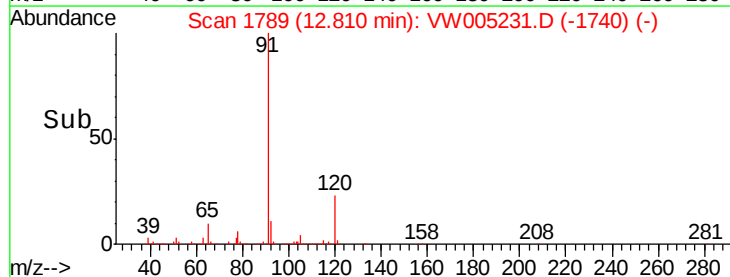
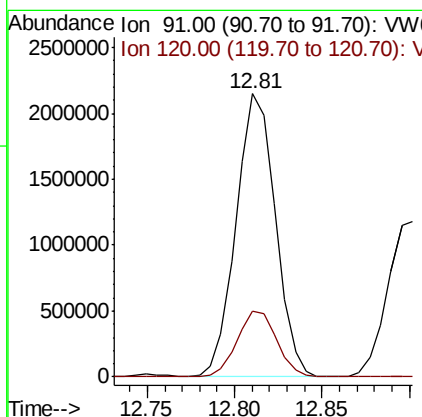
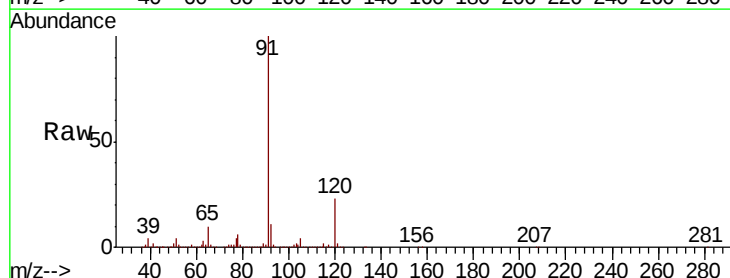
RT: 12.81 min Scan# 1789

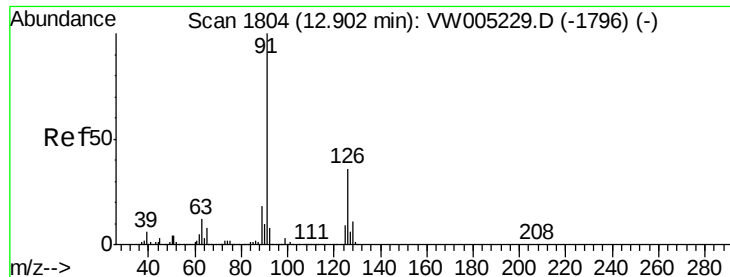
Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Tgt Ion:	91	Resp:	3359146
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.8	35.3





#79

2-Chlorotoluene

Concen: 104.11 ug/l

RT: 12.90 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 1927820

Ion Ratio Lower Upper

91 100

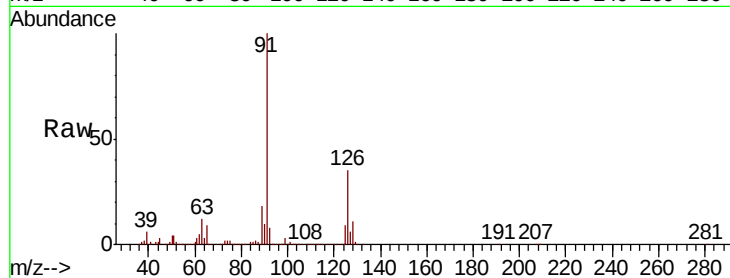
126 34.8 17.3 52.0

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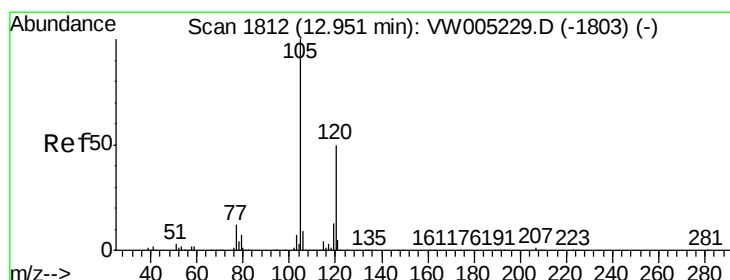
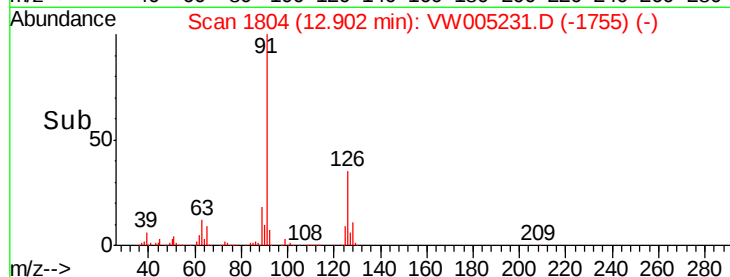
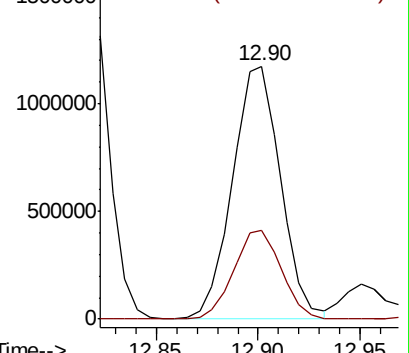
apatel

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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: 107.76 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005231.D

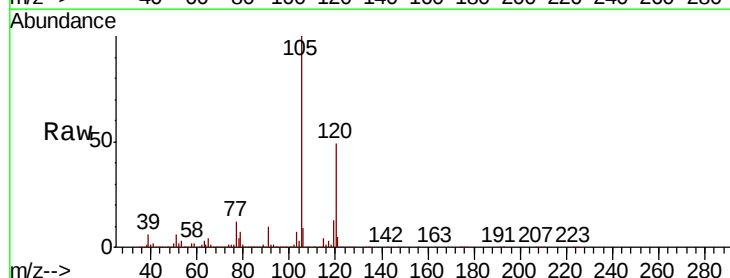
Acq: 08 Sep 2018 01:53

Tgt Ion:105 Resp: 2439085

Ion Ratio Lower Upper

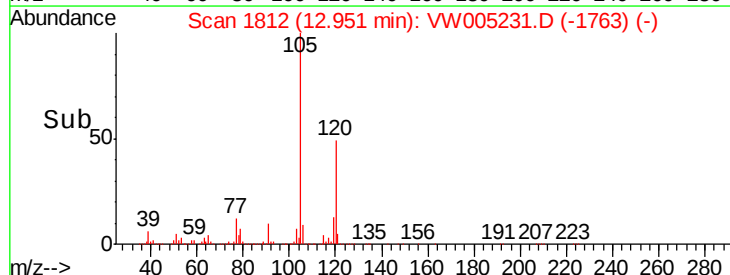
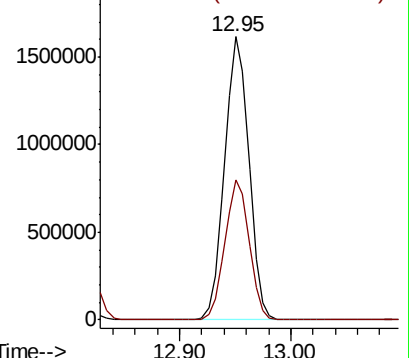
105 100

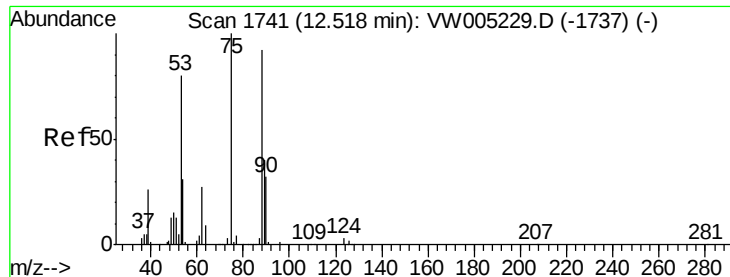
120 49.3 25.3 75.8



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: 113.72 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 134019

Ion Ratio Lower Upper

75 100

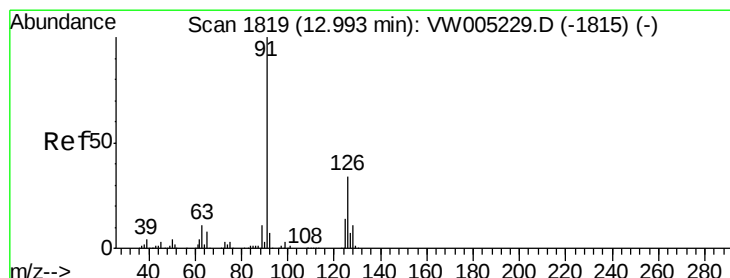
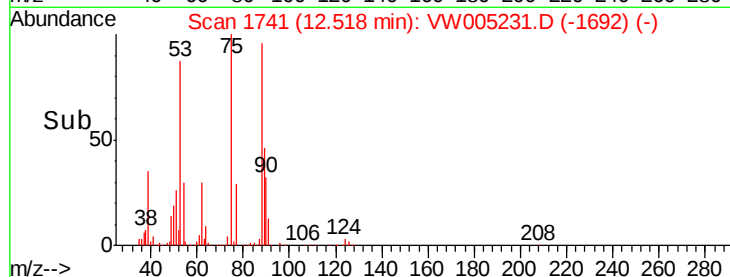
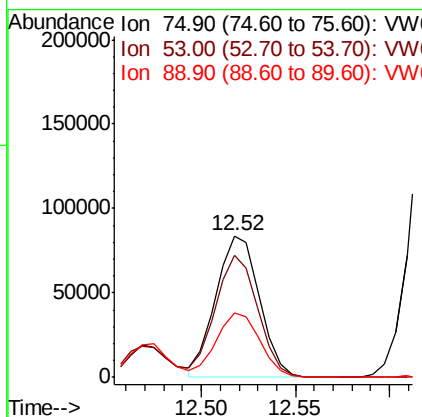
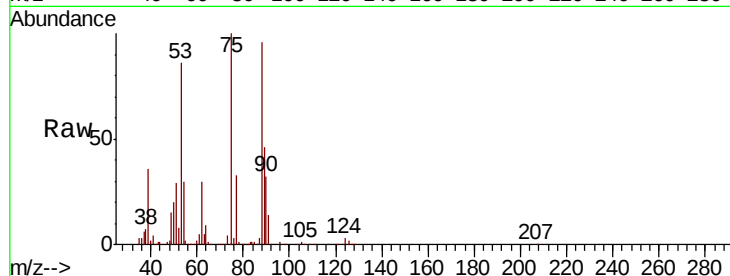
53 84.2 69.0 103.6

89 45.9 35.8 53.8

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#82

4-Chlorotoluene

Concen: 102.76 ug/l

RT: 13.00 min Scan# 1820

Delta R.T. 0.01 min

Lab File: VW005231.D

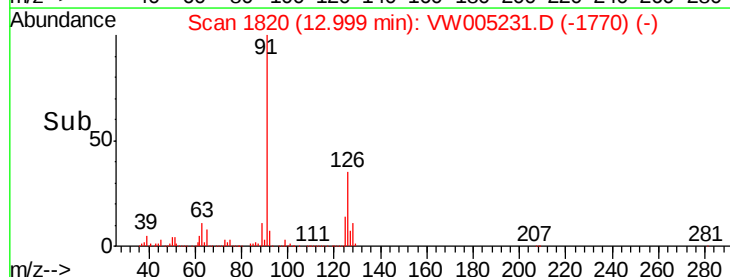
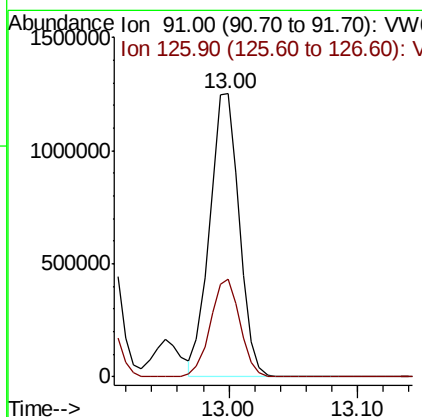
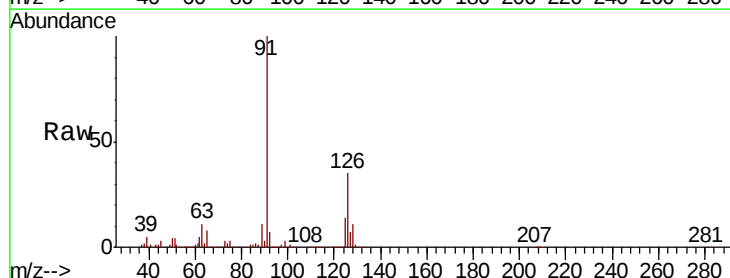
Acq: 08 Sep 2018 01:53

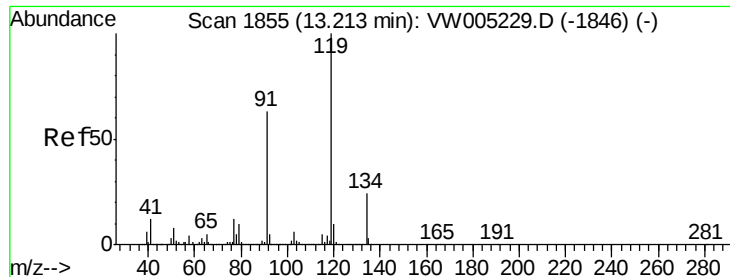
Tgt Ion: 91 Resp: 2010542

Ion Ratio Lower Upper

91 100

126 34.7 17.3 52.0





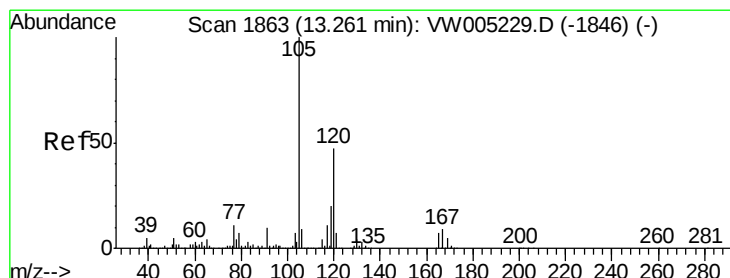
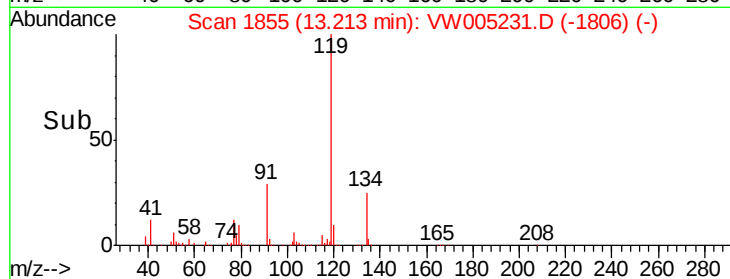
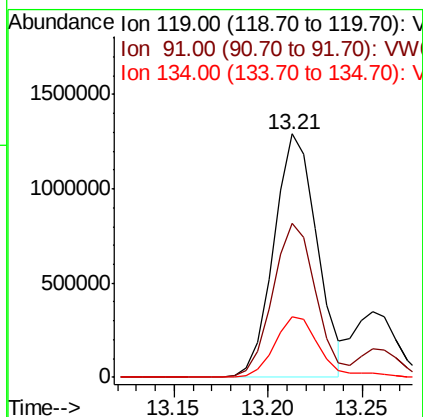
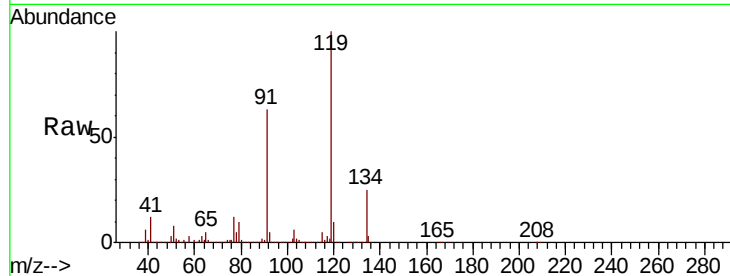
#83
tert-Butylbenzene
Concen: 107.32 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.6	30.8	92.3
134	26.2	12.7	38.0

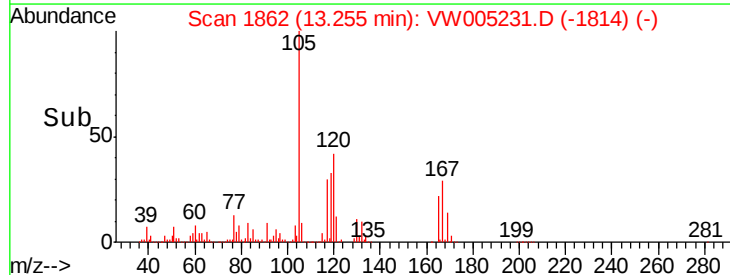
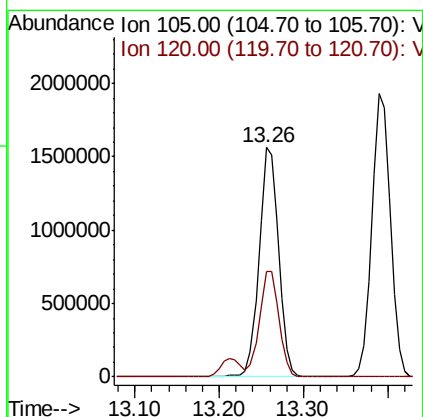
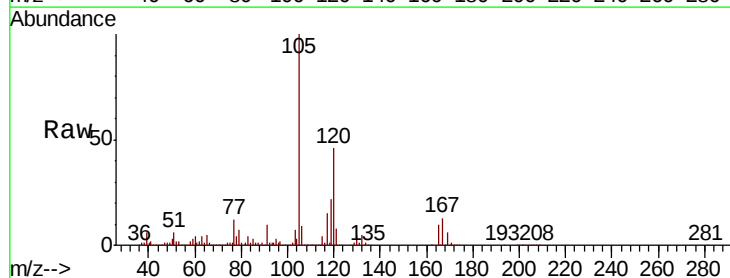
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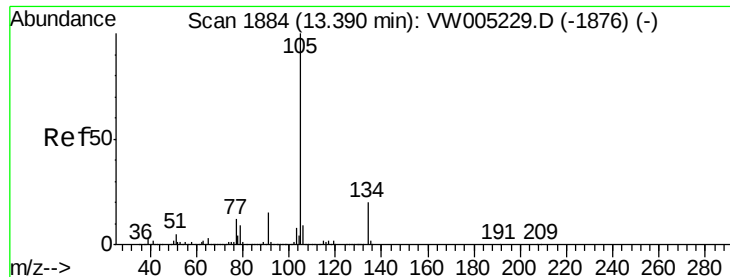
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 107.55 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.01 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.2	69.6





#85

sec-Butylbenzene

Concen: 106.32 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 2963590

Ion Ratio Lower Upper

105 100

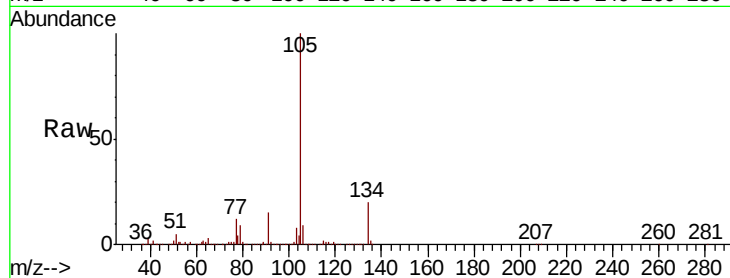
134 20.3 10.1 30.3

Manual Integrations

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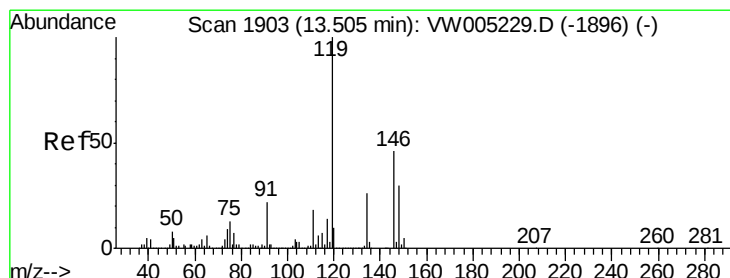
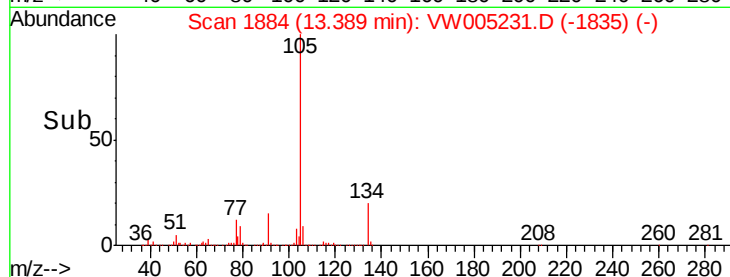
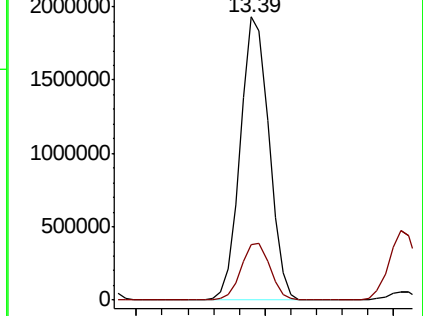
apatel

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 109.30 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

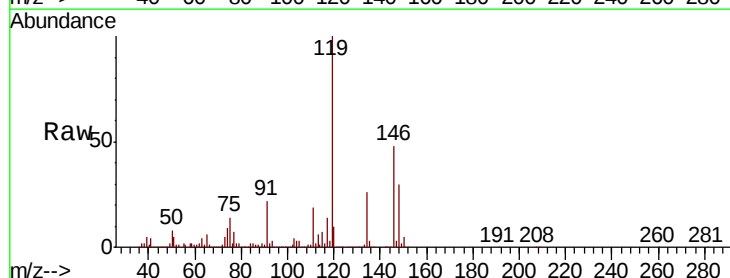
Tgt Ion:119 Resp: 2694983

Ion Ratio Lower Upper

119 100

134 26.5 13.1 39.3

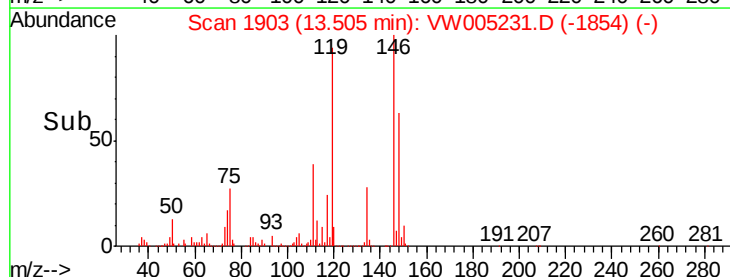
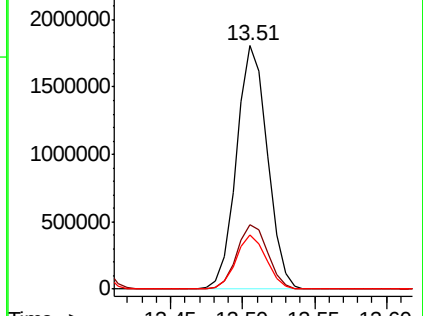
91 21.8 10.9 32.7

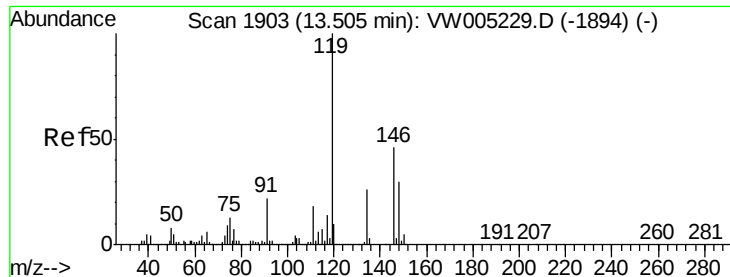


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





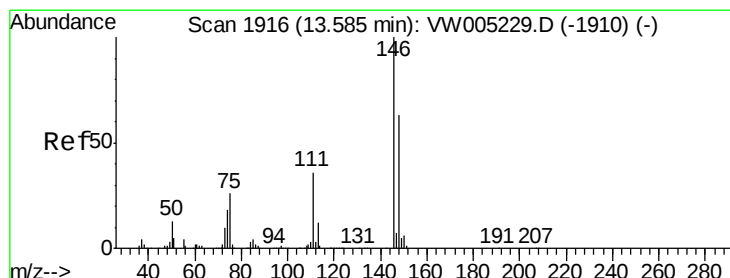
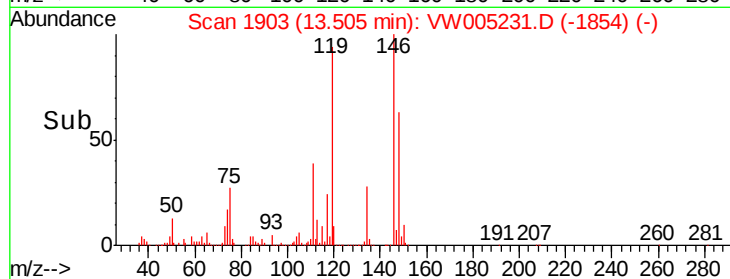
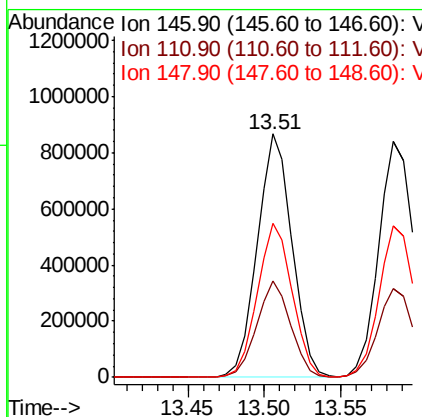
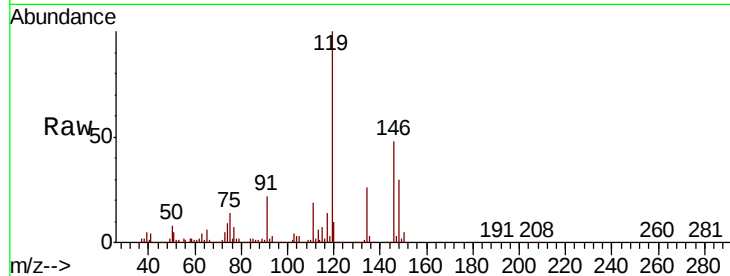
#87
 1,3-Dichlorobenzene
 Concen: 102.66 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.3	57.8
148	63.5	32.0	96.2

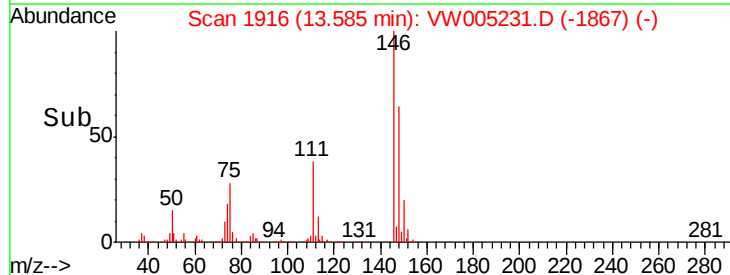
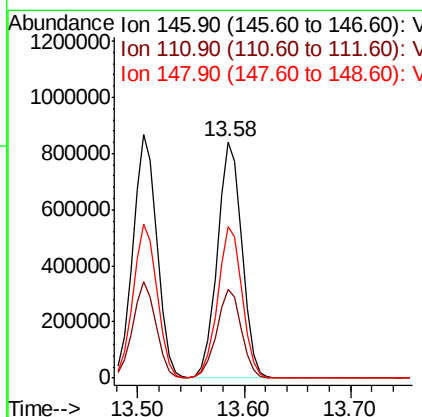
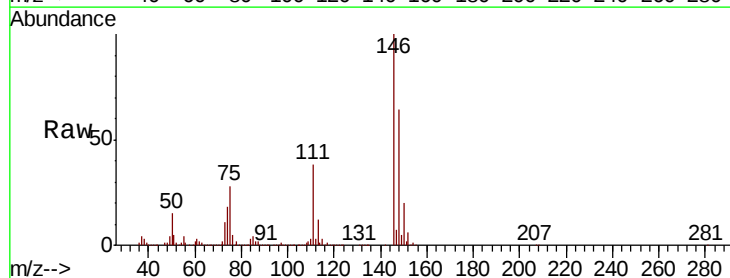
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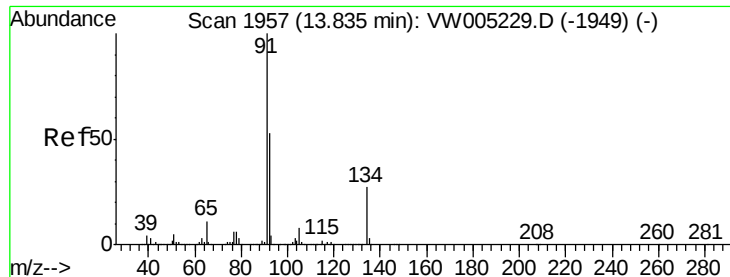
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#88
 1,4-Dichlorobenzene
 Concen: 101.47 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.6	56.0
148	63.9	32.0	96.0





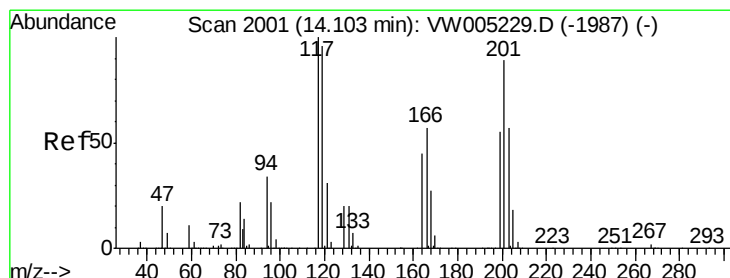
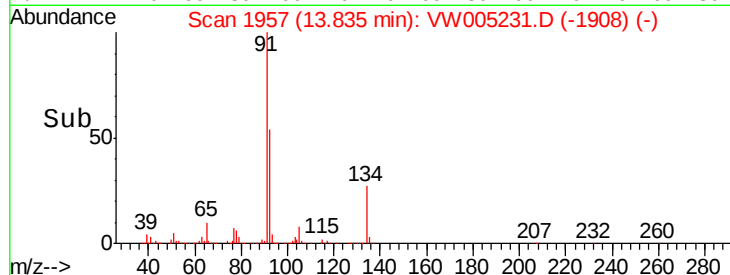
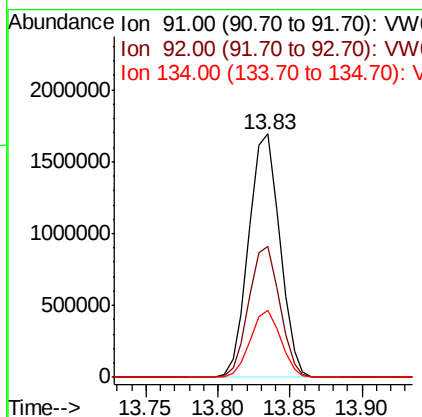
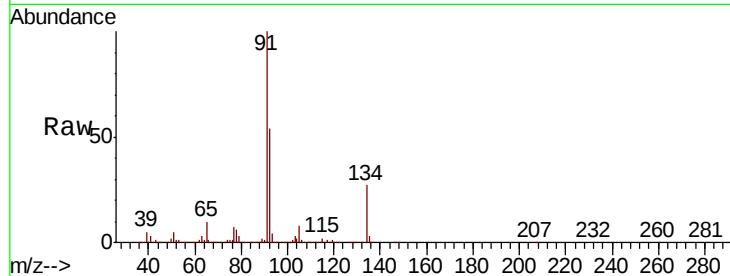
#89
n-Butylbenzene
Concen: 111.22 ug/l
RT: 13.83 min Scan# 1957
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.7	80.0
134	26.9	13.5	40.4

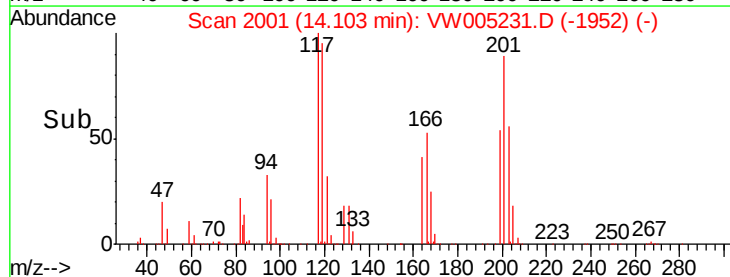
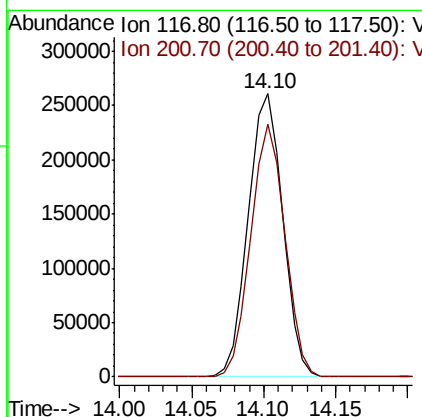
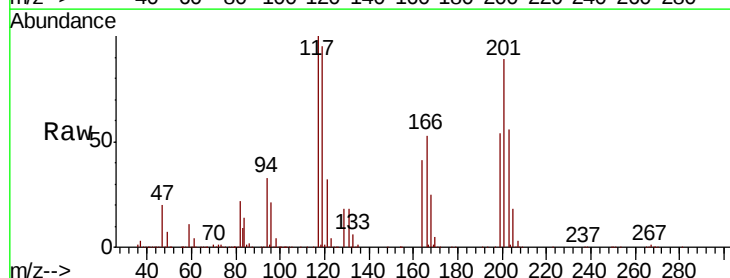
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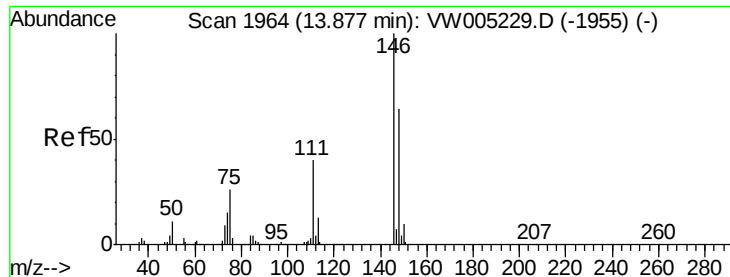
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#90
Hexachloroethane
Concen: 105.23 ug/l
RT: 14.10 min Scan# 2001
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.7	44.8	134.4





#91

1,2-Dichlorobenzene

Concen: 105.13 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 1225063

Ion Ratio Lower Upper

146 100

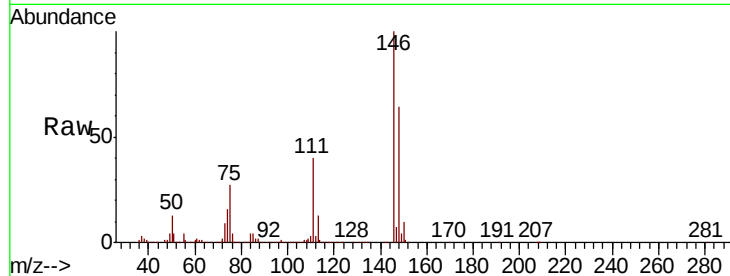
111 40.2 20.0 60.0

148 64.1 32.0 96.2

Manual Integrations
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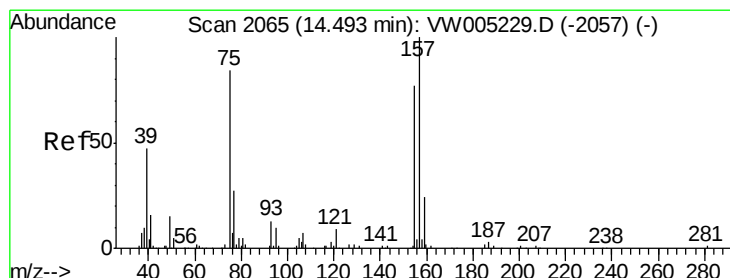
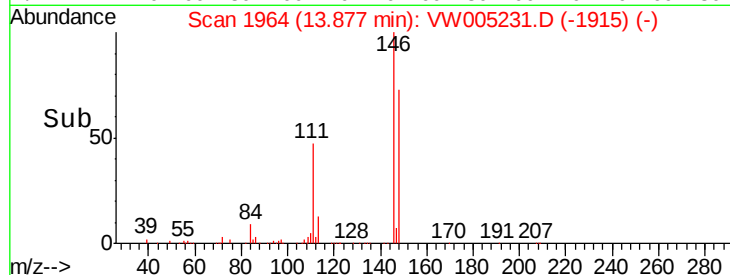
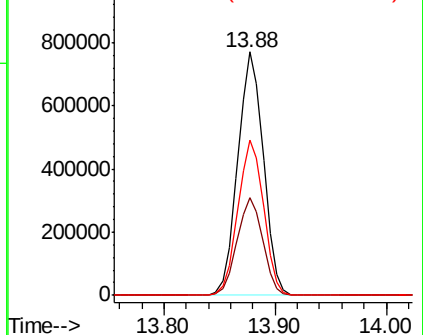
9/10/2018 10:42:31 AM



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 120.53 ug/l

RT: 14.49 min Scan# 2065

Delta R.T. -0.00 min

Lab File: VW005231.D

Acq: 08 Sep 2018 01:53

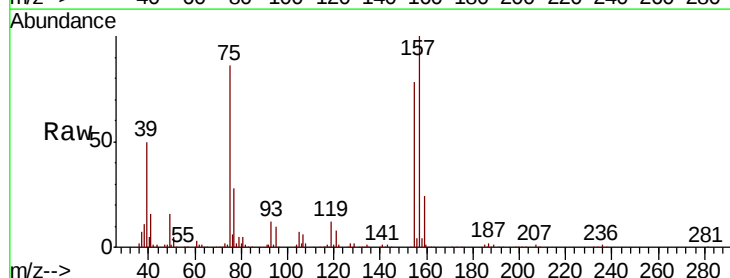
Tgt Ion: 75 Resp: 77885

Ion Ratio Lower Upper

75 100

155 91.8 45.6 136.9

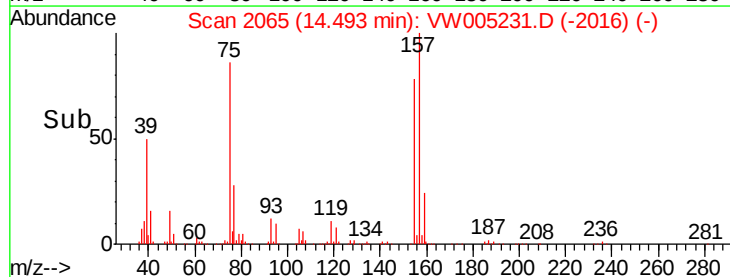
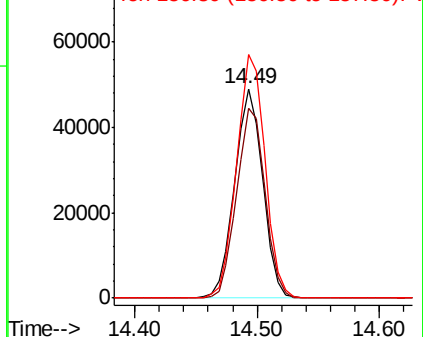
157 117.7 59.6 178.7

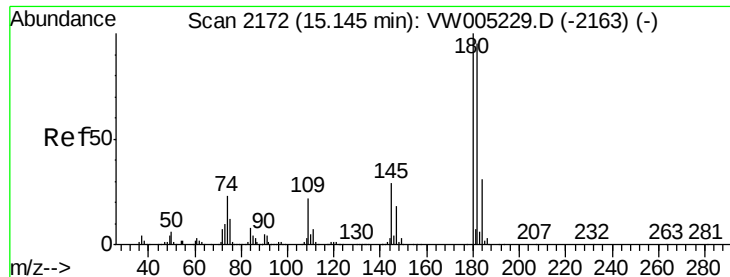


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





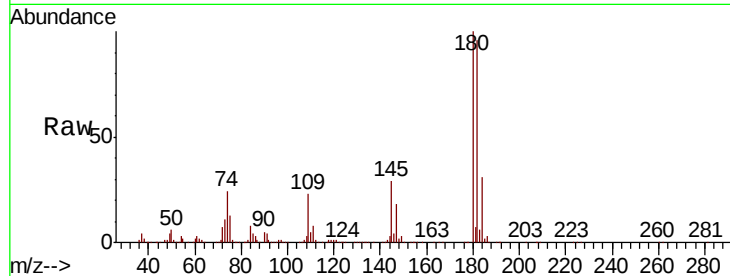
#93
 1,2,4-Trichlorobenzene
 Concen: 114.90 ug/l
 RT: 15.15 min Scan# 2172
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	894119		
182	95.5	47.9	143.8	
145	29.1	14.5	43.6	

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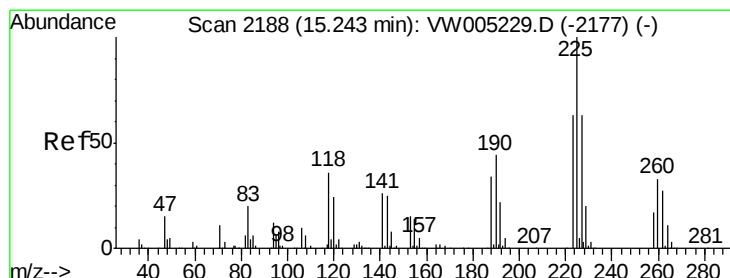
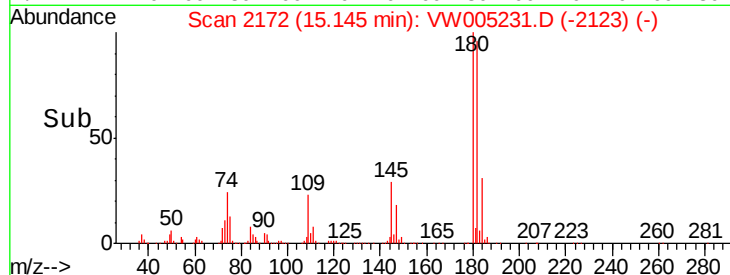
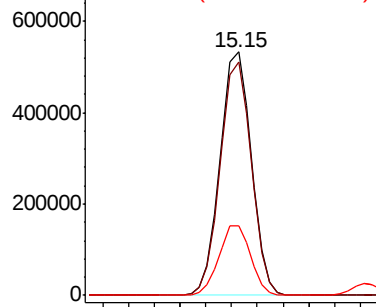


Abundance

Ion 179.80 (179.50 to 180.50): V

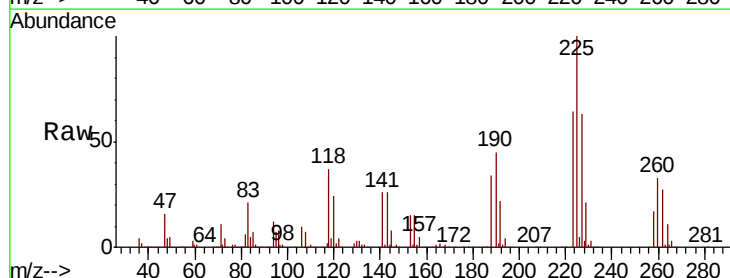
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 107.43 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005231.D
 Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	523083		
223	62.6	31.4	94.2	
227	64.1	31.9	95.9	

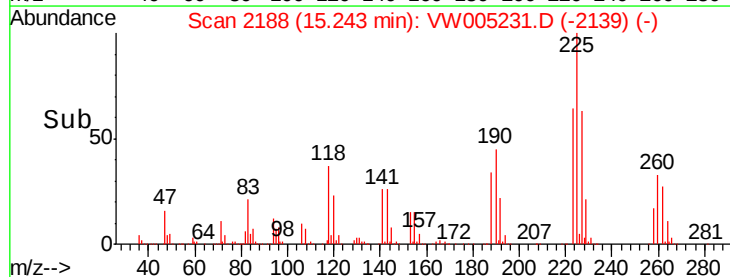
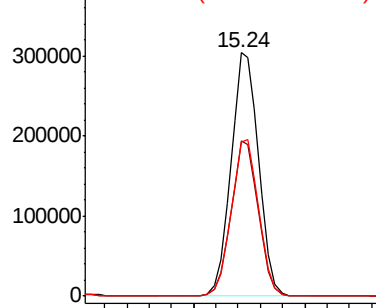


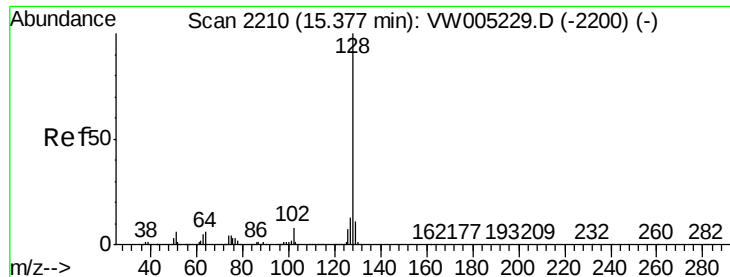
Abundance

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





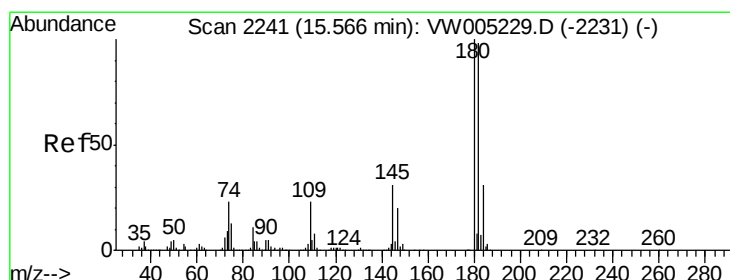
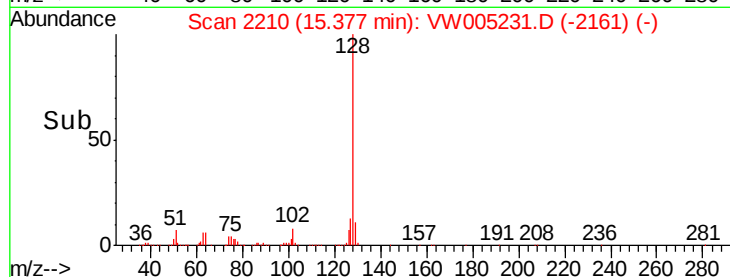
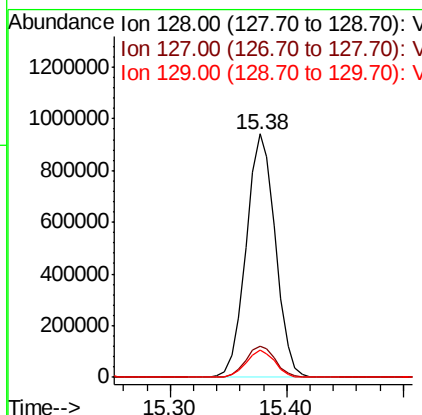
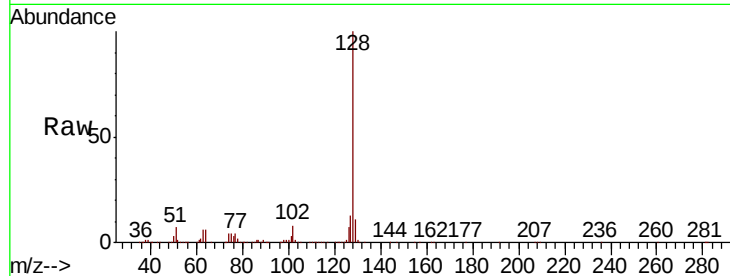
#95
Naphthalene
Concen: 133.24 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 117.26 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005231.D
Acq: 08 Sep 2018 01:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	48.3	144.9
145	30.6	15.3	45.9

