

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002529.D
 Acq On : 14 May 2018 22:56
 Operator : JC/SY
 Sample : VSTDICC100
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

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 5/15/2018 6:12:03 PM

Quant Time: May 15 03:23:20 2018
 Quant Method : W:\HPCHEM1\MSVOA_W\METHOD\82W051518S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 15 02:22:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	245937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	367216	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	342248	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	191605	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	260410	100.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	200.94%	
35) Dibromofluoromethane	7.88	113	238363	101.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	203.90%	
50) Toluene-d8	10.33	98	930158	104.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	208.16%	
62) 4-Bromofluorobenzene	12.63	95	343854	106.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	212.80%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	97776	105.87	ug/l	99
3) Chloromethane	2.21	50	172287	92.71	ug/l	95
4) Vinyl Chloride	2.36	62	288399	94.62	ug/l	97
5) Bromomethane	2.76	94	226874	91.85	ug/l	95
6) Chloroethane	2.92	64	200222	96.44	ug/l	97
7) Trichlorofluoromethane	3.24	101	125890	99.14	ug/l	98
8) Diethyl Ether	3.67	74	165395	115.62	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.04	101	201871	91.01	ug/l	99
10) Methyl Iodide	4.26	142	319455	89.49	ug/l	100
11) Tert butyl alcohol	5.18	59	92260	475.77	ug/l	99
12) 1,1-Dichloroethene	4.03	96	196321	89.73	ug/l	95
13) Acrolein	3.89	56	89099	537.15	ug/l	99
14) Allyl chloride	4.65	41	309590	95.92	ug/l	100
15) Acrylonitrile	5.36	53	264366	472.63	ug/l	99
16) Acetone	4.12	43	238066	460.09	ug/l	99
17) Carbon Disulfide	4.37	76	539795	85.62	ug/l	100
18) Methyl Acetate	4.67	43	175089	113.18	ug/l	99
19) Methyl tert-butyl Ether	5.42	73	379103	97.67	ug/l	100
20) Methylene Chloride	4.90	84	206899	85.15	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	213231	90.16	ug/l	98
22) Diisopropyl ether	6.31	45	683232	96.23	ug/l	99
23) Vinyl Acetate	6.25	43	2075251	486.00	ug/l	100
24) 1,1-Dichloroethane	6.21	63	399840	93.12	ug/l	99
25) 2-Butanone	7.17	43	370261	484.78	ug/l	99
26) 2,2-Dichloropropane	7.16	77	212042	97.44	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	247032	92.30	ug/l	100
28) Bromochloromethane	7.51	49	177982	91.10	ug/l	99
29) Tetrahydrofuran	7.53	42	241619	484.84	ug/l	99
30) Chloroform	7.67	83	425838	94.51	ug/l	97
31) Cyclohexane	7.95	56	327692	85.71	ug/l	96
32) 1,1,1-Trichloroethane	7.87	97	321942	94.68	ug/l	100
36) 1,1-Dichloropropene	8.08	75	313674	94.70	ug/l	99
37) Ethyl Acetate	7.26	43	157126	96.45	ug/l	99
38) Carbon Tetrachloride	8.07	117	317685	98.85	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	375194	97.38	ug/l	99
40) Benzene	8.32	78	914384	94.92	ug/l	99
41) Methacrylonitrile	7.48	41	92916	101.59	ug/l	98
42) 1,2-Dichloroethane	8.40	62	287617	95.17	ug/l	100
43) Isopropyl Acetate	8.43	43	310756	100.57	ug/l	99
44) Trichloroethene	9.09	130	251387	95.45	ug/l	96
45) 1,2-Dichloropropane	9.37	63	233338	96.17	ug/l	100
46) Dibromomethane	9.46	93	131858	96.95	ug/l	98
47) Bromodichloromethane	9.65	83	319185	99.64	ug/l	99
48) Methyl methacrylate	9.44	41	154848	103.38	ug/l	99
49) 1,4-Dioxane	9.45	88	45460	2071.38	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	871086	508.90	ug/l	100
52) Toluene	10.40	92	589662	96.38	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	332634	104.77	ug/l	96
54) cis-1,3-Dichloropropene	10.08	75	365601	101.37	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	184225	96.09	ug/l	97
56) Ethyl methacrylate	10.65	69	244210	102.89	ug/l	99
57) 1,3-Dichloropropane	10.94	76	315033	96.83	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	609182	527.99	ug/l	99
59) 2-Hexanone	10.98	43	608410	518.74	ug/l	99
60) Dibromochloromethane	11.13	129	229614	101.36	ug/l	98
61) 1,2-Dibromoethane	11.24	107	183382	98.18	ug/l	99
64) Tetrachloroethene	10.87	164	234405	90.22	ug/l	98
65) Chlorobenzene	11.66	112	669824	96.31	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	251658	101.26	ug/l	99
67) Ethyl Benzene	11.74	91	1200776	100.22	ug/l	97
68) m/p-Xylenes	11.85	106	922185	199.63	ug/l	100
69) o-Xylene	12.18	106	443802	100.97	ug/l	100
70) Styrene	12.19	104	751945	103.13	ug/l	100
71) Bromoform	12.36	173	150671	104.90	ug/l #	99
73) Isopropylbenzene	12.48	105	1227128	98.96	ug/l	99
74) N-amyl acetate	12.28	43	313202	100.08	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	232020	95.74	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	176795m	99.85	ug/l	
77) Bromobenzene	12.76	156	296186	94.65	ug/l	99
78) n-propylbenzene	12.82	91	1469395	99.95	ug/l	100
79) 2-Chlorotoluene	12.90	91	828961	98.10	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1040426	99.67	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	71088	109.10	ug/l	98
82) 4-Chlorotoluene	13.00	91	883965	98.20	ug/l	99
83) tert-Butylbenzene	13.22	119	901131	100.42	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	1081536	99.88	ug/l	100
85) sec-Butylbenzene	13.40	105	1286806	100.15	ug/l	100
86) p-Isopropyltoluene	13.51	119	1173745	101.95	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	603456	97.46	ug/l	99
88) 1,4-Dichlorobenzene	13.59	146	589002	95.21	ug/l	100
89) n-Butylbenzene	13.83	91	1095995	101.79	ug/l	100
90) Hexachloroethane	14.10	117	207203	100.73	ug/l	97
91) 1,2-Dichlorobenzene	13.88	146	535323	94.95	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.50	75	41337	98.59	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	392241	97.05	ug/l	99
94) Hexachlorobutadiene	15.26	225	214471	95.31	ug/l	100
95) Naphthalene	15.38	128	749476	100.45	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	344418	94.97	ug/l	98

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

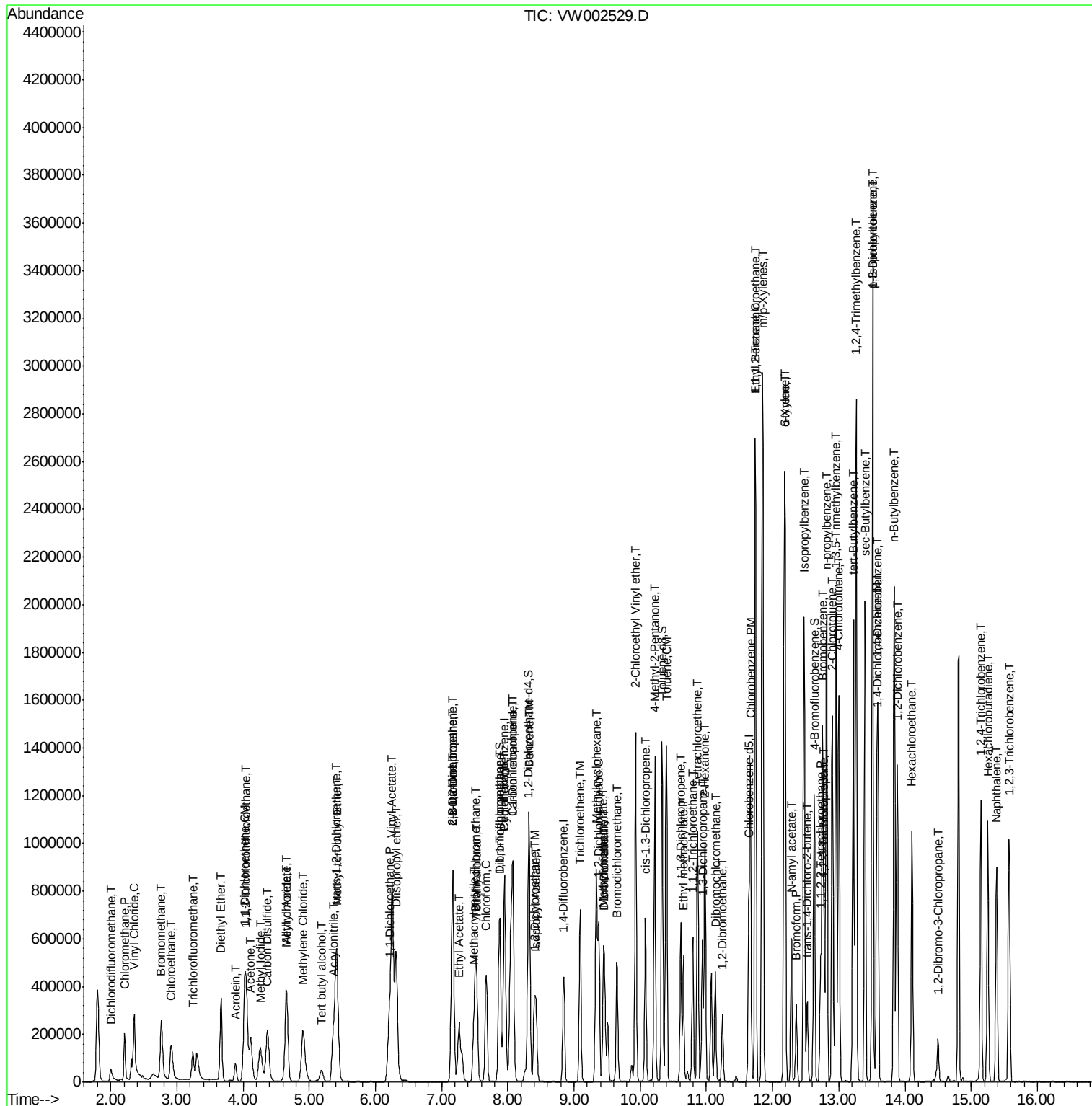
Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
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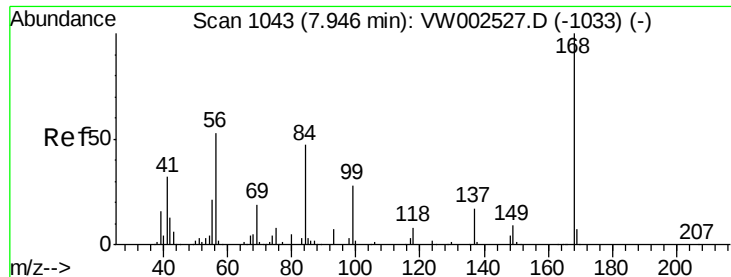
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 245937

Ion Ratio Lower Upper

168 100

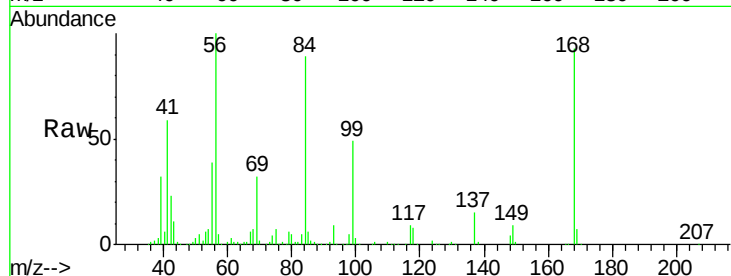
99 53.1 42.6 64.0

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

60000

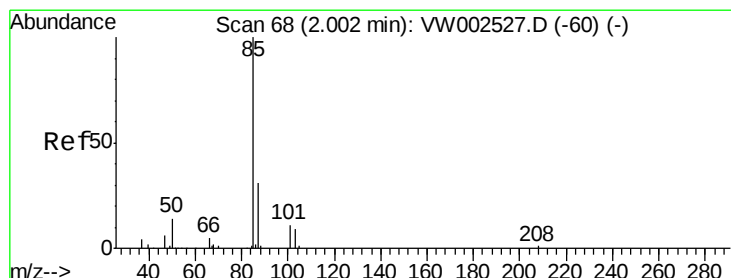
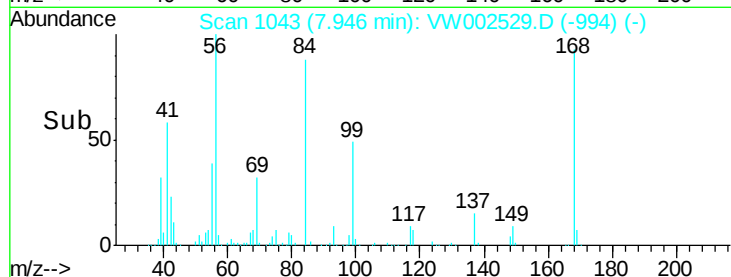
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 105.87 ug/l

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002529.D

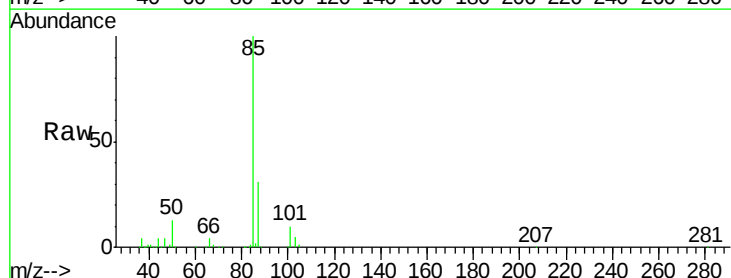
Acq: 14 May 2018 22:56

Tgt Ion: 85 Resp: 97776

Ion Ratio Lower Upper

85 100

87 31.5 15.4 46.1



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

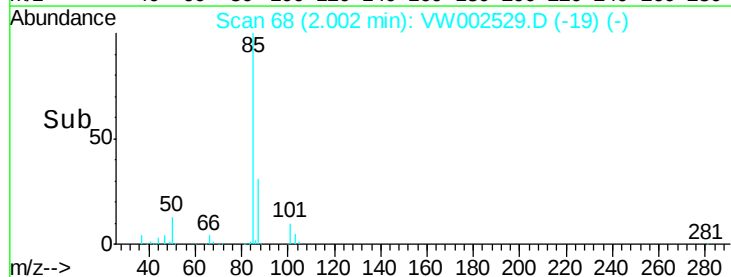
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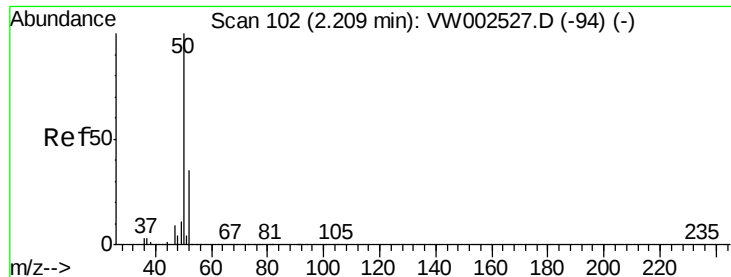
10000

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 92.71 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 172287

Ion Ratio Lower Upper

50 100

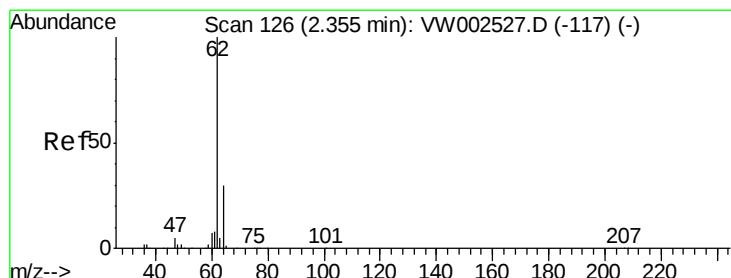
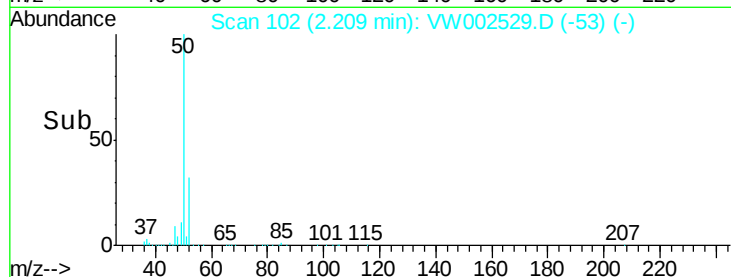
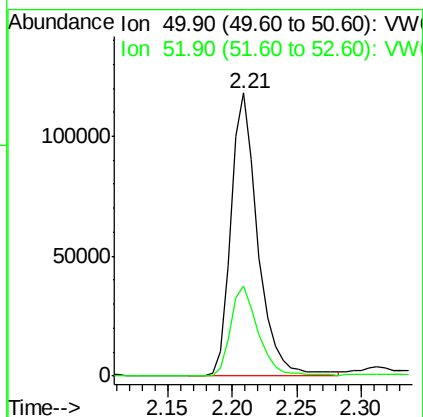
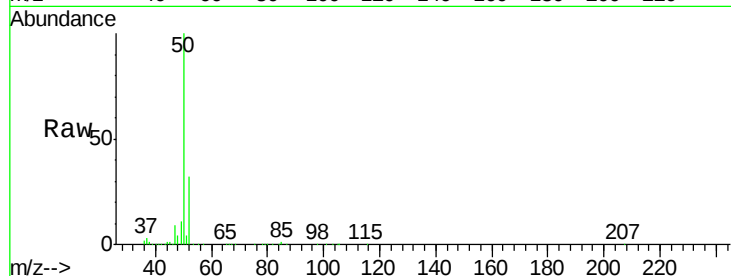
52 32.0 27.8 41.8

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#4

Vinyl Chloride

Concen: 94.62 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002529.D

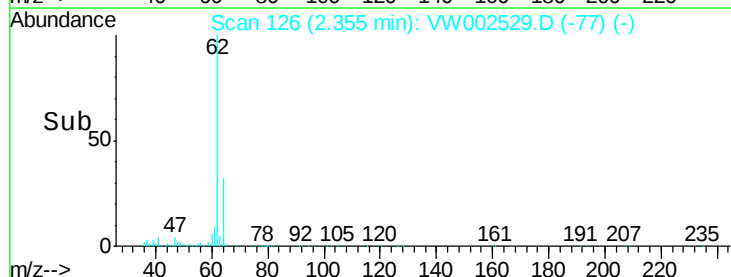
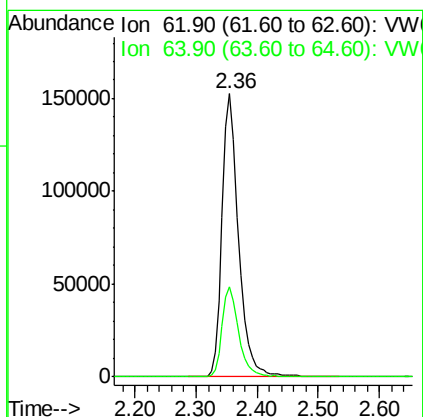
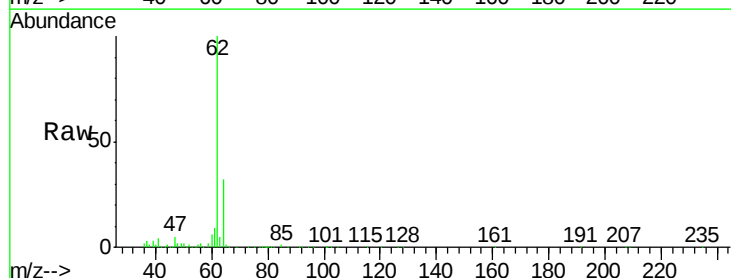
Acq: 14 May 2018 22:56

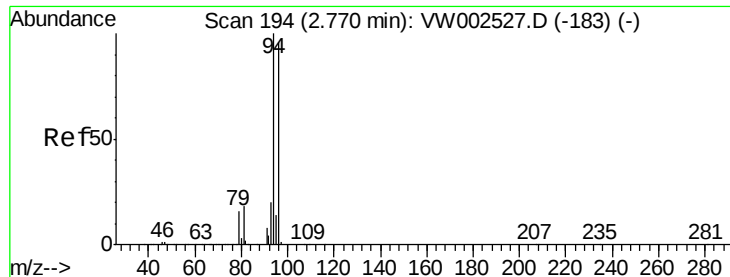
Tgt Ion: 62 Resp: 288399

Ion Ratio Lower Upper

62 100

64 31.7 24.0 36.0





#5

Bromomethane

Concen: 91.85 ug/l

RT: 2.76 min Scan# 193

Delta R.T. -0.01 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 226874

Ion Ratio Lower Upper

94 100

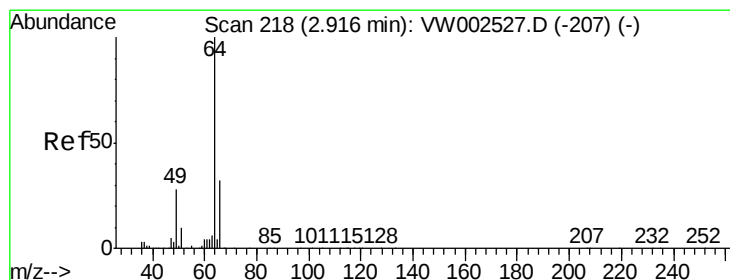
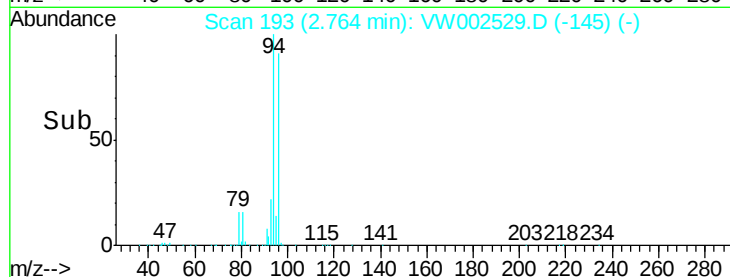
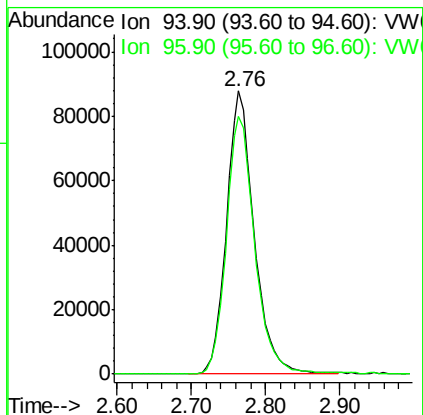
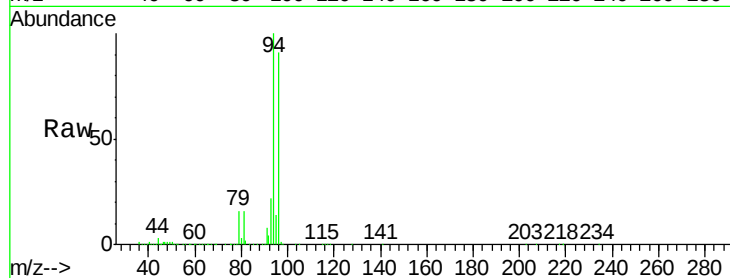
96 91.0 77.0 115.4

Manual Integrations

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#6

Chloroethane

Concen: 96.44 ug/l

RT: 2.92 min Scan# 218

Delta R.T. -0.00 min

Lab File: VW002529.D

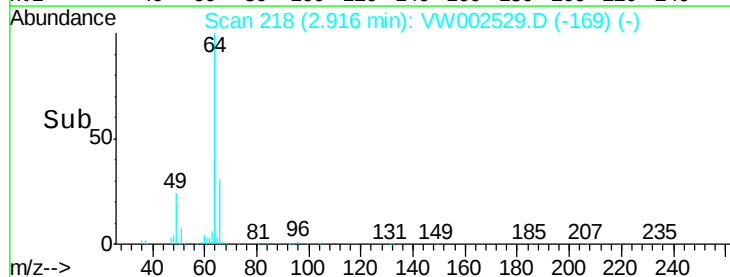
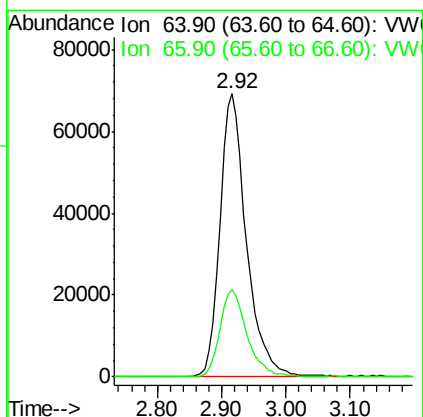
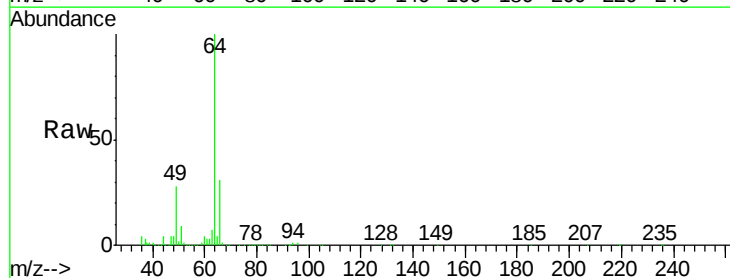
Acq: 14 May 2018 22:56

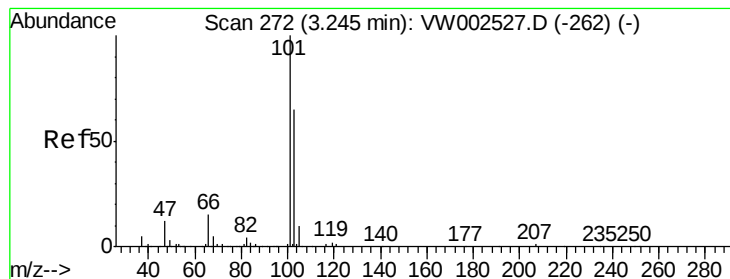
Tgt Ion: 64 Resp: 200222

Ion Ratio Lower Upper

64 100

66 30.9 25.8 38.8





#7

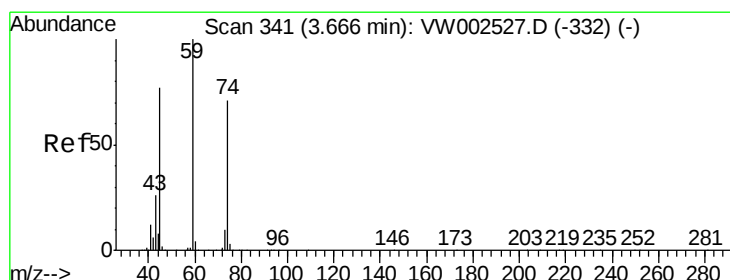
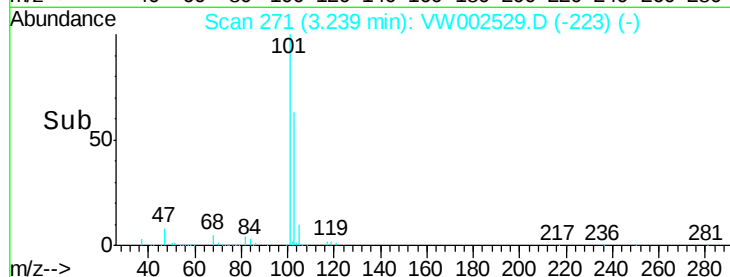
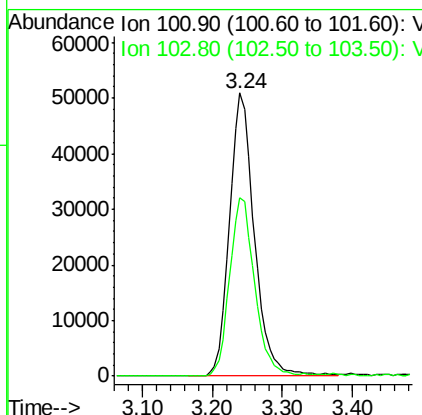
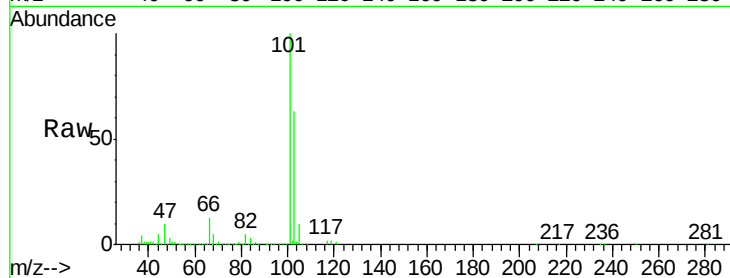
Trichlorofluoromethane
 Concen: 99.14 ug/l
 RT: 3.24 min Scan# 271
 Delta R.T. -0.01 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	51.8	77.8

Manual Integrations
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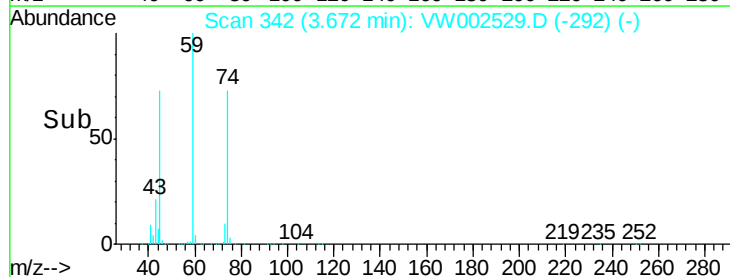
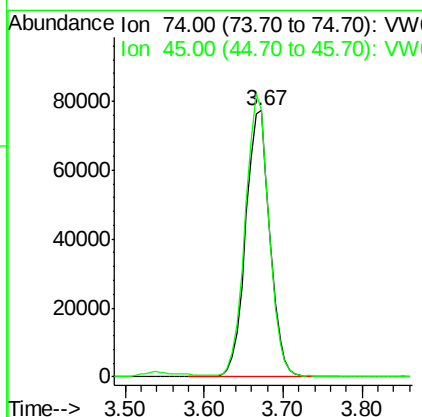
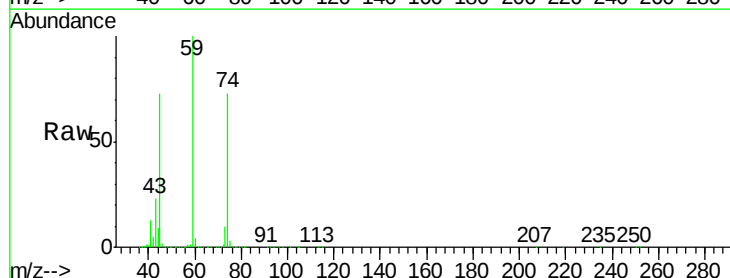
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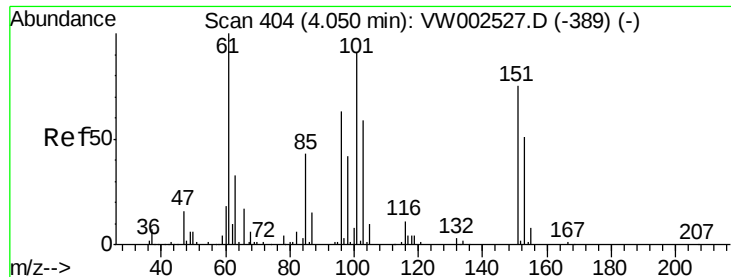


#8

Diethyl Ether
 Concen: 115.62 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. 0.01 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
74	100		
45	103.7	52.3	156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.01 ug/l

RT: 4.04 min Scan# 403

Delta R.T. -0.01 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

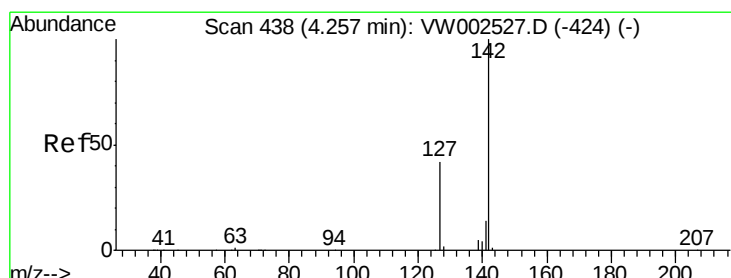
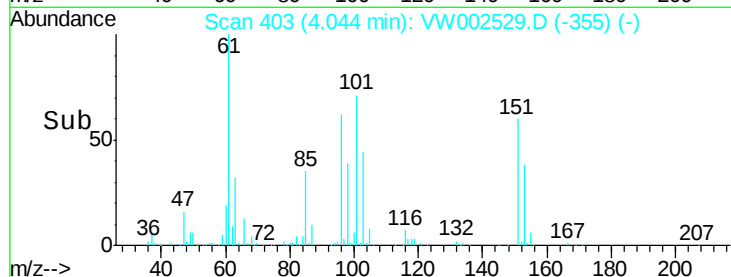
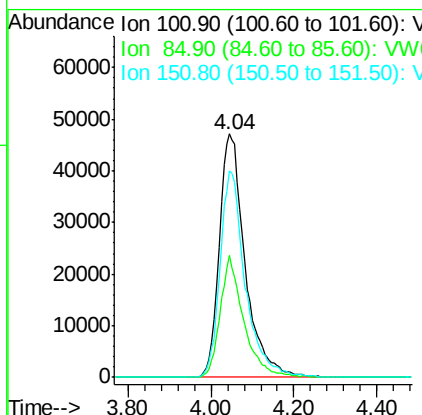
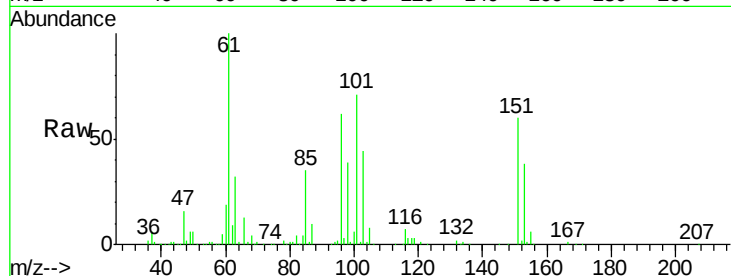
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	201871
Ion Ratio	Lower	Upper	
101	100		
85	45.6	36.5	54.7
151	82.6	66.7	100.1

Manual Integrations
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#10

Methyl Iodide

Concen: 89.49 ug/l

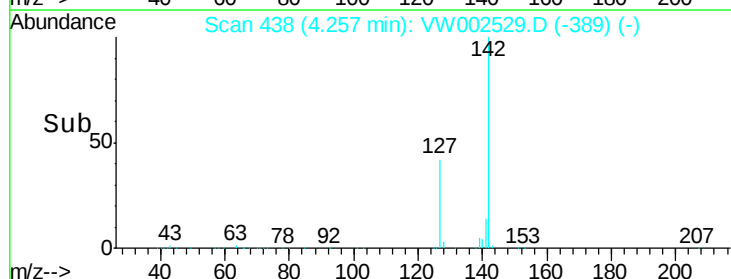
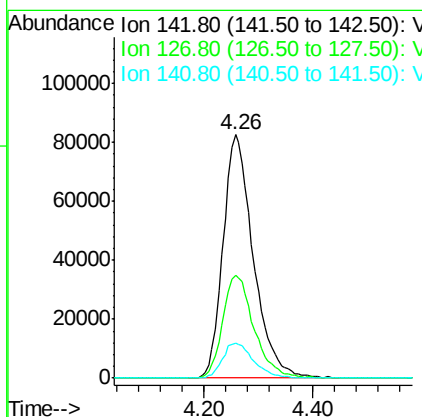
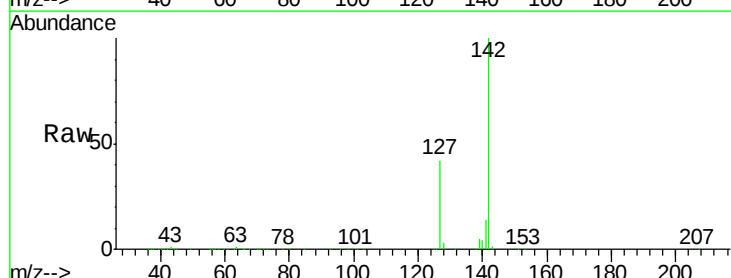
RT: 4.26 min Scan# 438

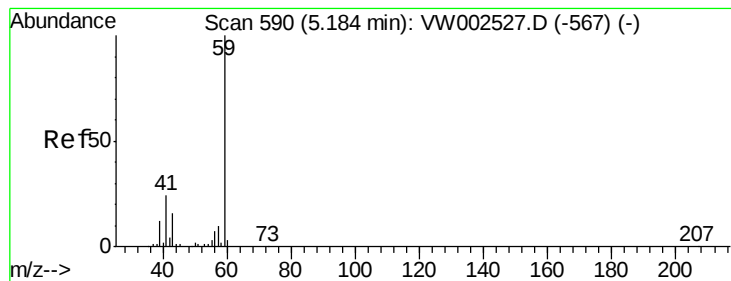
Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Tgt Ion:	142	Resp:	319455
Ion Ratio	Lower	Upper	
142	100		
127	43.7	34.6	52.0
141	14.8	11.8	17.8





#11

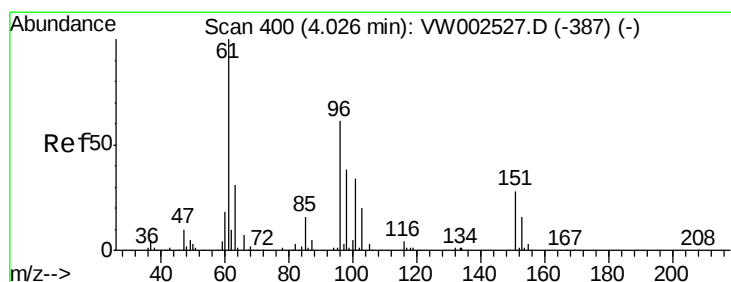
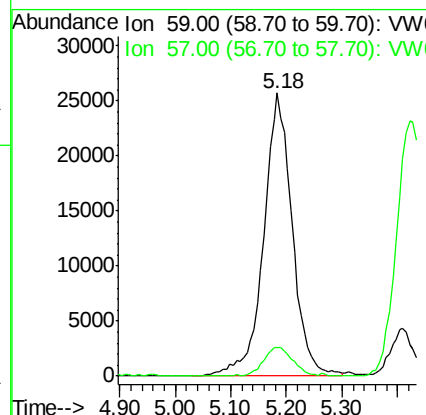
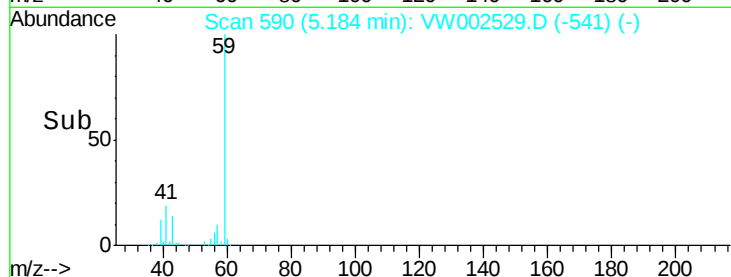
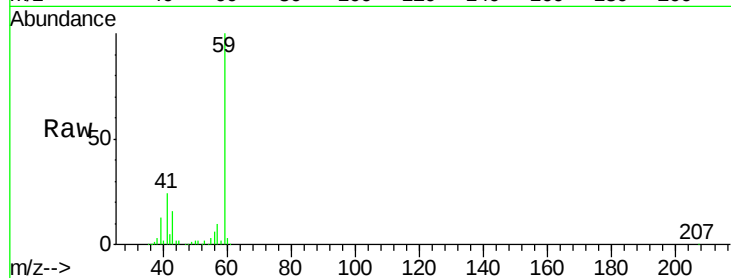
Tert butyl alcohol
 Concen: 475.77 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.2	12.4

Manual Integrations
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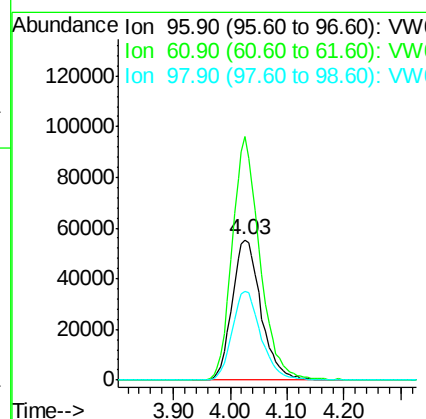
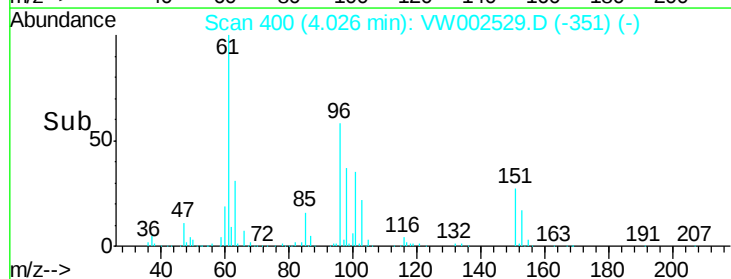
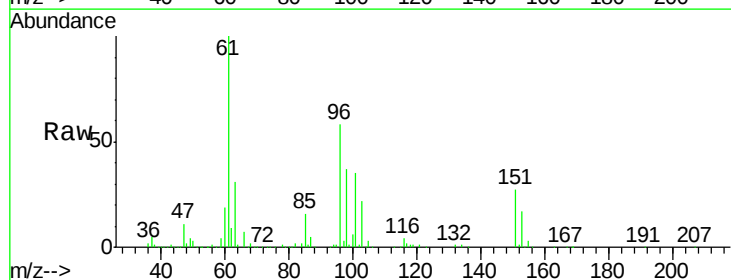
apatel
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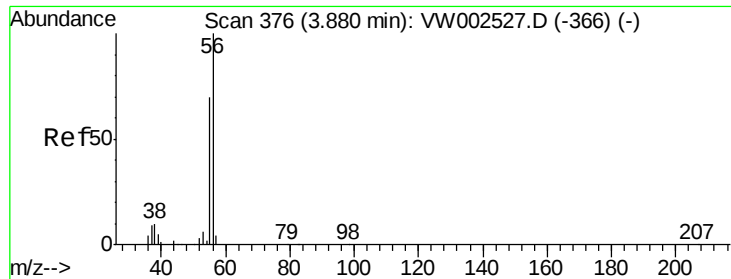


#12

1,1-Dichloroethene
 Concen: 89.73 ug/l
 RT: 4.03 min Scan# 400
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.6	132.2	198.2
98	63.5	50.6	76.0





#13

Acrolein

Concen: 537.15 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 89099

Ion Ratio Lower Upper

56 100

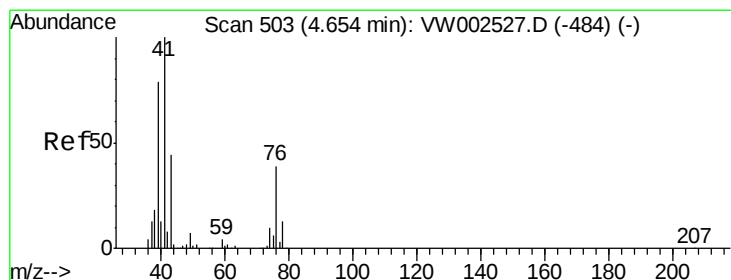
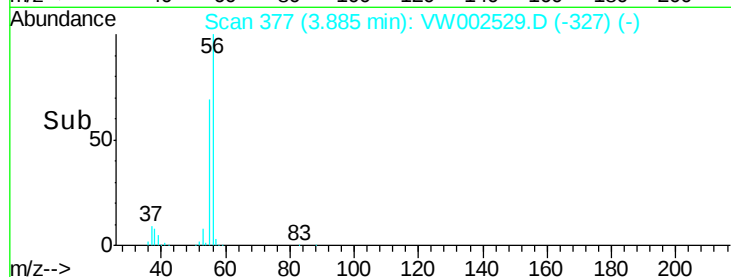
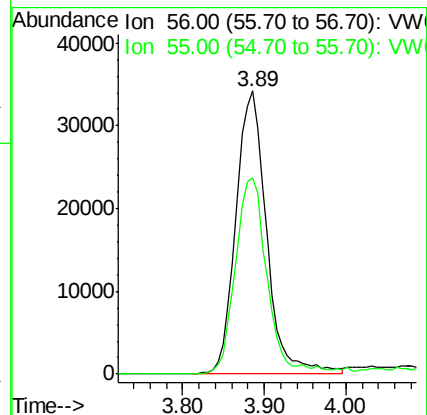
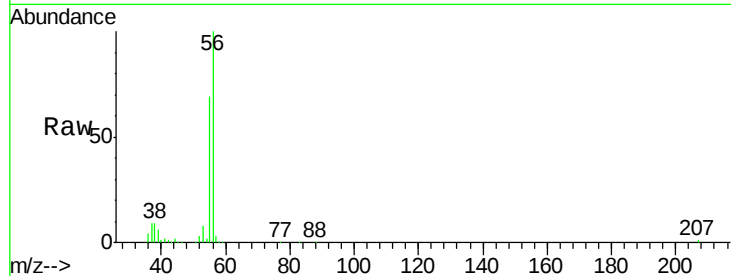
55 70.3 57.0 85.4

Manual Integrations

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#14

Allyl chloride

Concen: 95.92 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

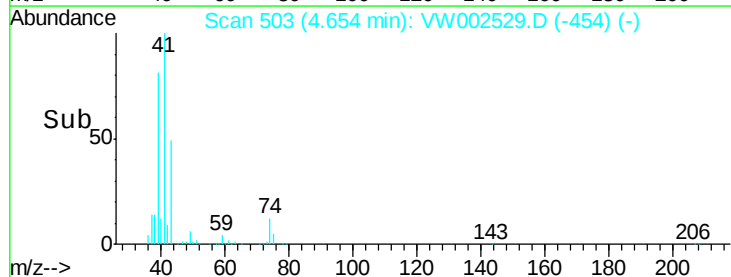
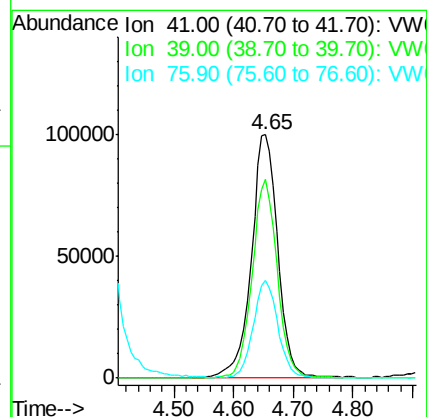
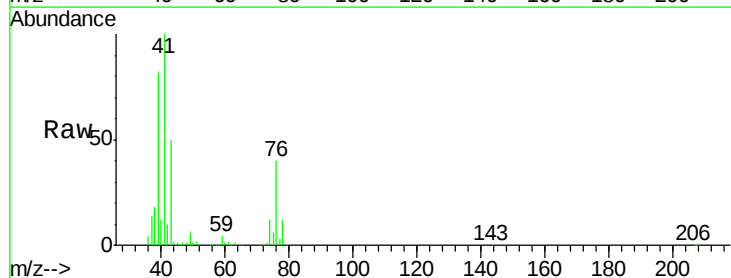
Tgt Ion: 41 Resp: 309590

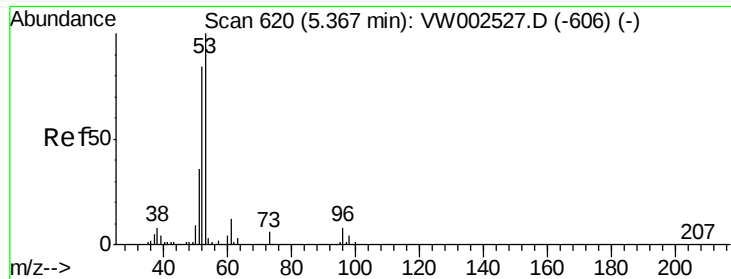
Ion Ratio Lower Upper

41 100

39 77.0 61.4 92.2

76 37.2 29.6 44.4





#15

Acrylonitrile

Concen: 472.63 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

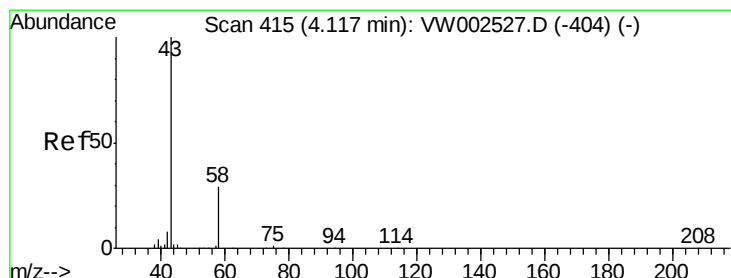
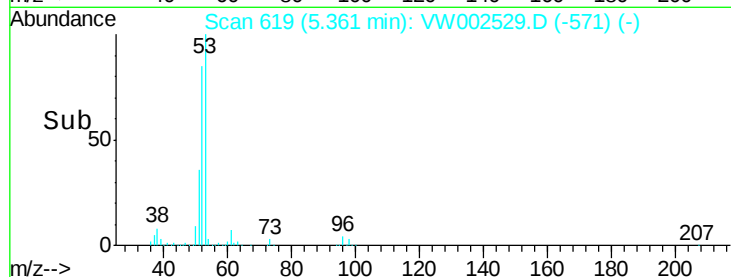
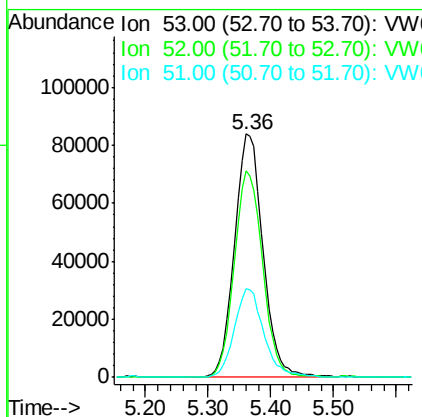
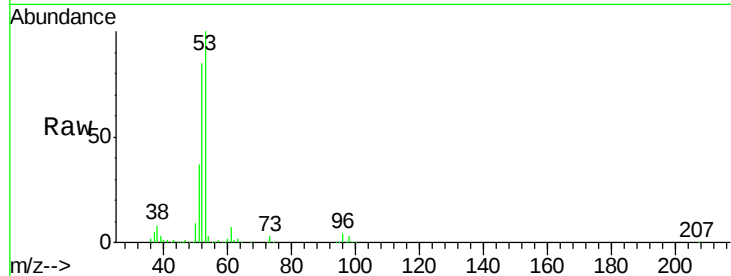
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	264366
Ion Ratio	Lower	Upper	
53	100		
52	84.5	66.6	100.0
51	37.9	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 460.09 ug/l

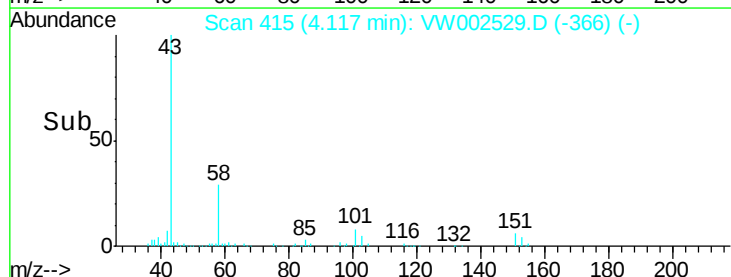
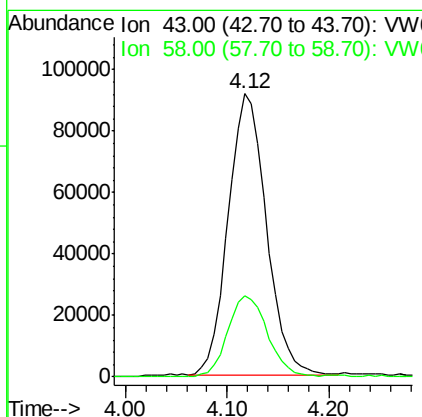
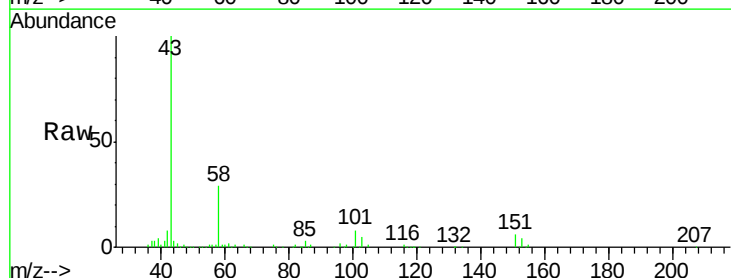
RT: 4.12 min Scan# 415

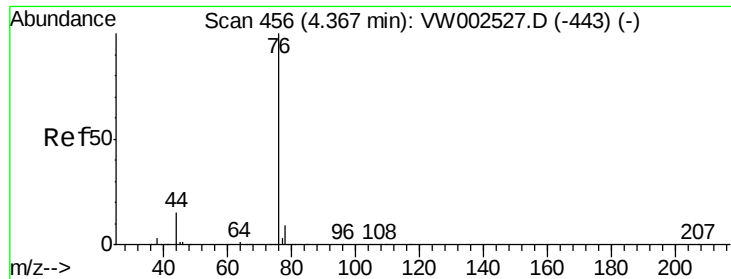
Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Tgt Ion:	43	Resp:	238066
Ion Ratio	Lower	Upper	
43	100		
58	28.7	23.4	35.0





#17

Carbon Disulfide

Concen: 85.62 ug/l

RT: 4.37 min Scan# 456

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 539795

Ion Ratio Lower Upper

76 100

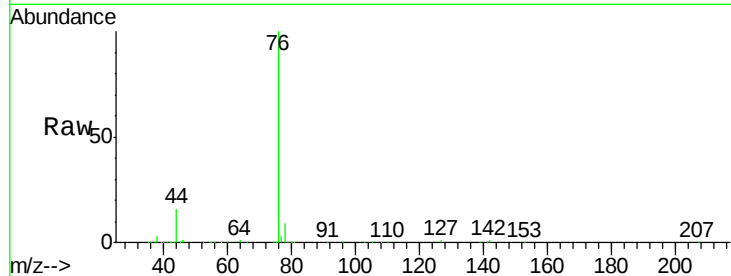
78 9.3 7.5 11.3

Manual Integrations

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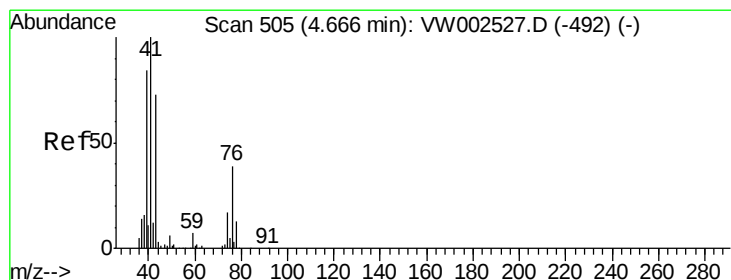
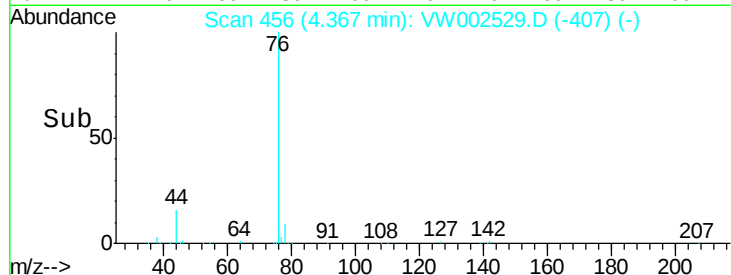
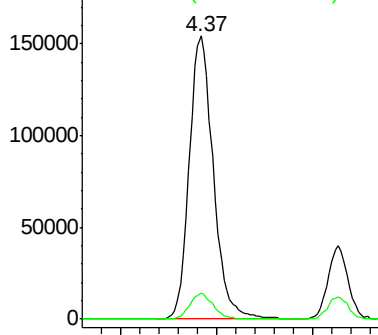
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 113.18 ug/l

RT: 4.67 min Scan# 505

Delta R.T. -0.00 min

Lab File: VW002529.D

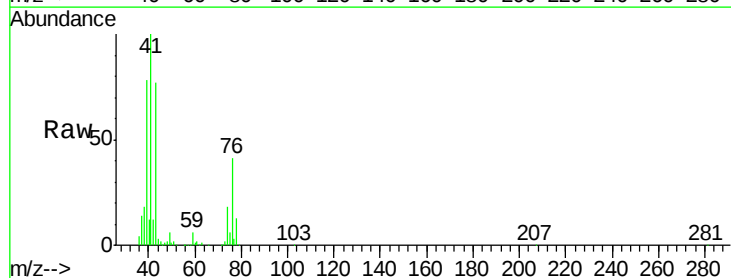
Acq: 14 May 2018 22:56

Tgt Ion: 43 Resp: 175089

Ion Ratio Lower Upper

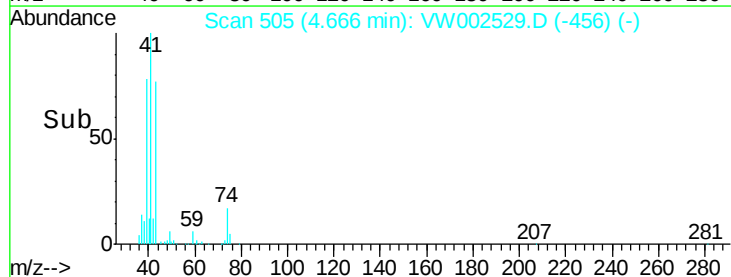
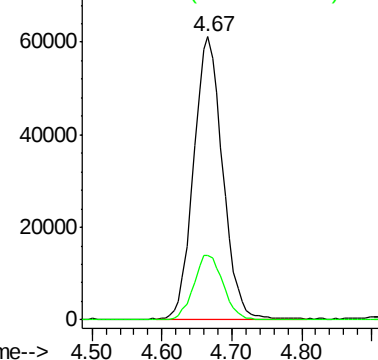
43 100

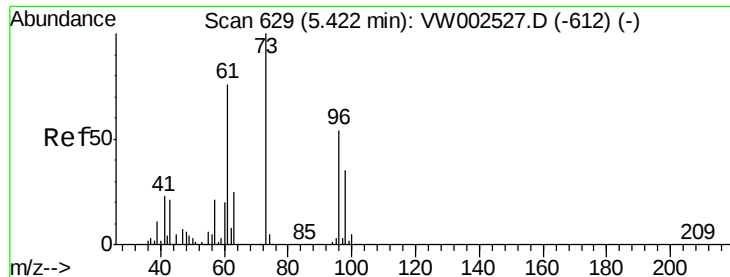
74 23.4 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





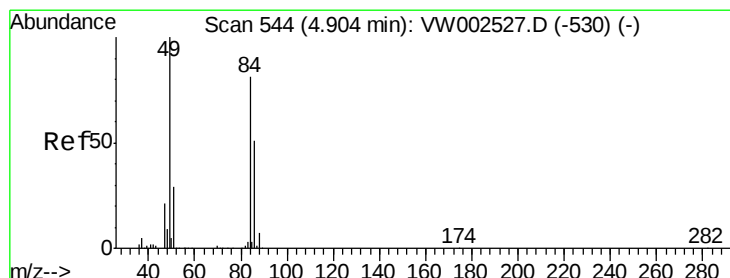
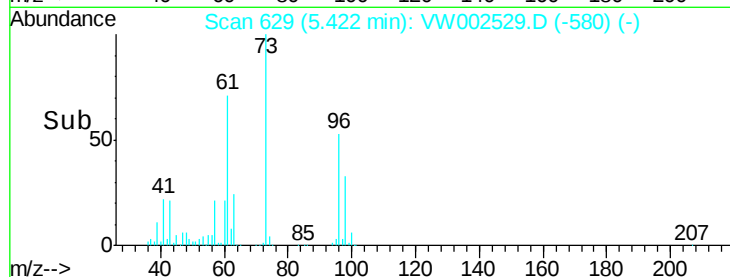
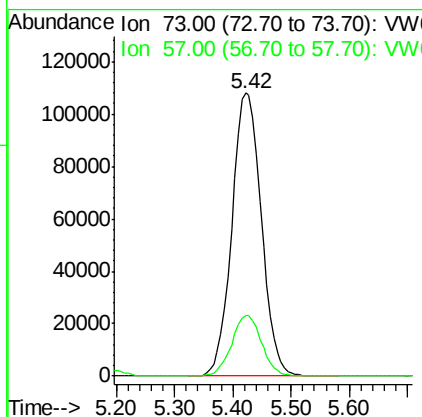
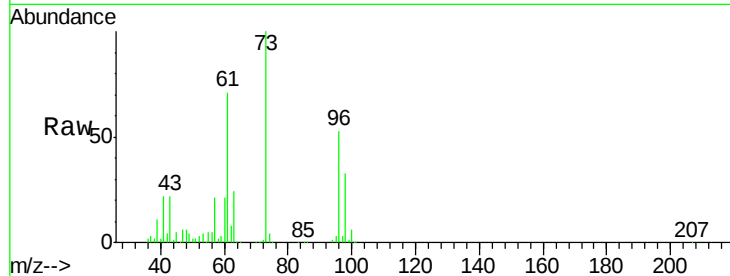
#19
Methvl tert-butvl Ether
Concen: 97.67 ug/l
RT: 5.42 min Scan# 629
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion: 73 Resp: 379103
Ion Ratio Lower Upper
73 100
57 21.4 17.0 25.6

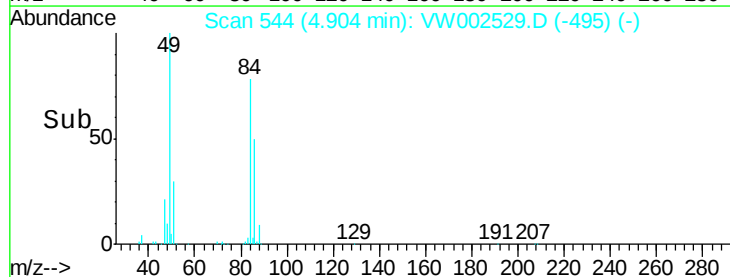
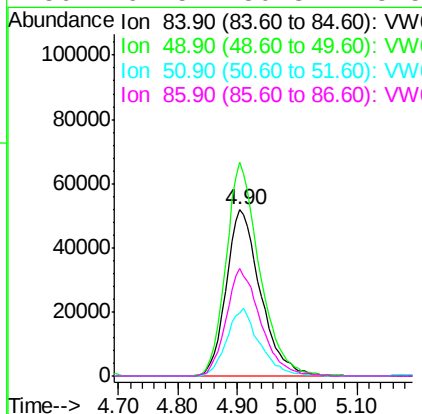
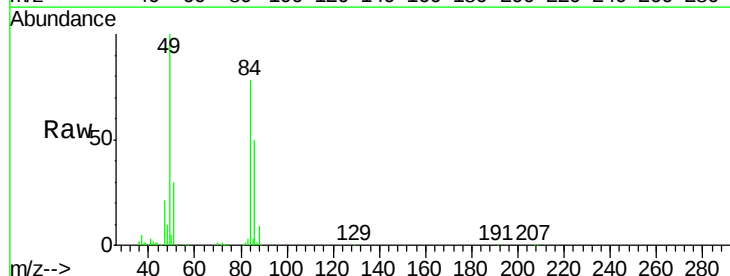
Manual Integrations
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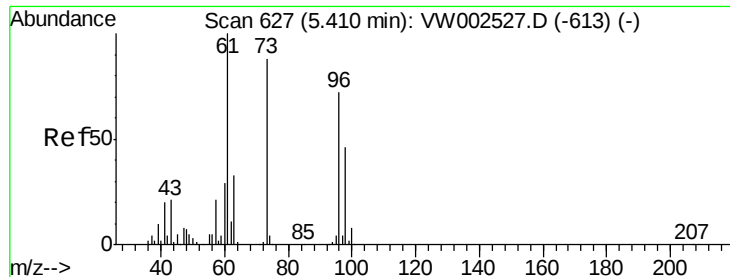
apatel
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#20
Methylene Chloride
Concen: 85.15 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion: 84 Resp: 206899
Ion Ratio Lower Upper
84 100
49 128.5 99.4 149.0
51 37.9 29.0 43.6
86 64.5 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 90.16 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

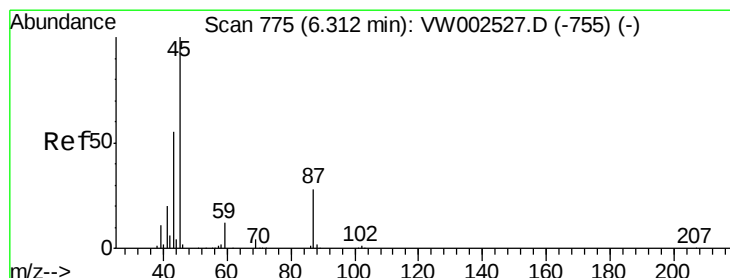
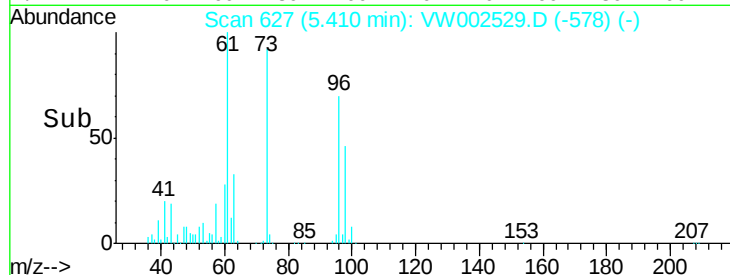
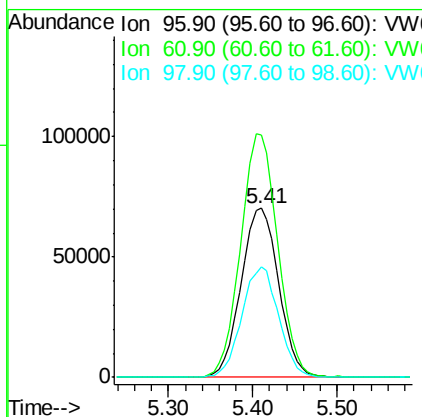
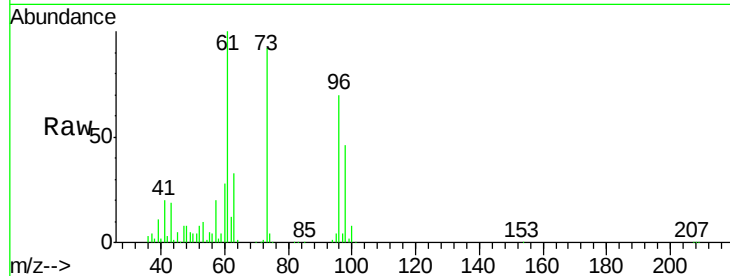
ClientSampled :

VSTDIC100

Tot Ion:	96	Resp:	213231
Ion	Ratio	Lower	Upper
96	100		
61	143.3	111.6	167.4
98	65.4	51.7	77.5

Manual Integrations
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#22

Diisopropyl ether

Concen: 96.23 ug/l

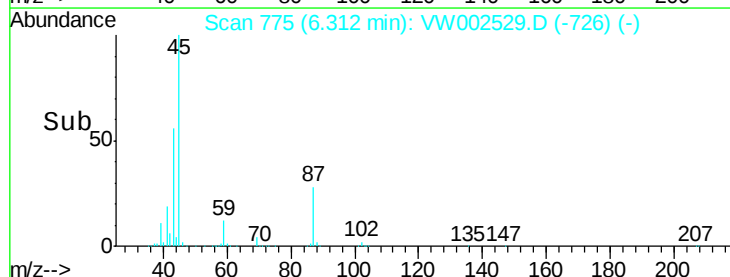
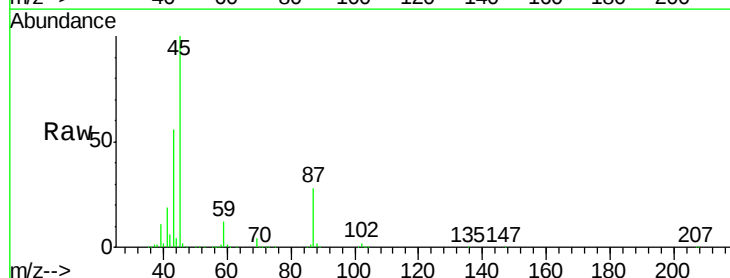
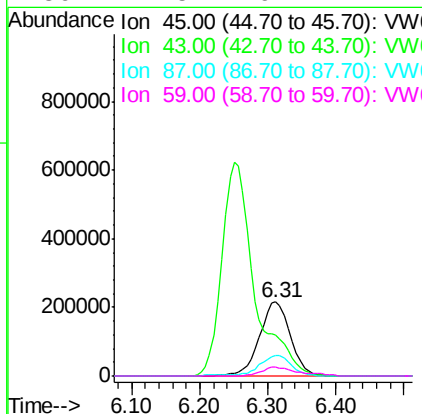
RT: 6.31 min Scan# 775

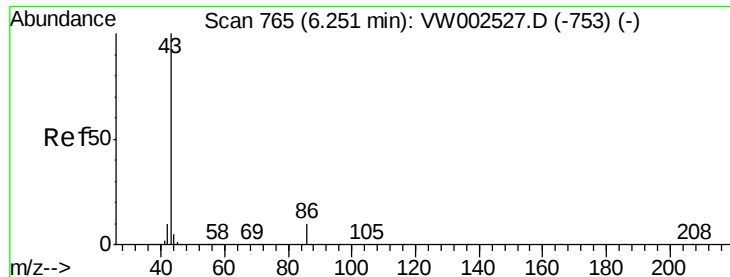
Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Tgt Ion:	45	Resp:	683232
Ion	Ratio	Lower	Upper
45	100		
43	55.5	44.4	66.6
87	27.6	23.0	34.4
59	11.5	9.4	14.2





#23

Vinyl Acetate

Concen: 486.00 ug/l

RT: 6.25 min Scan# 765

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 2075251

Ion Ratio Lower Upper

43 100

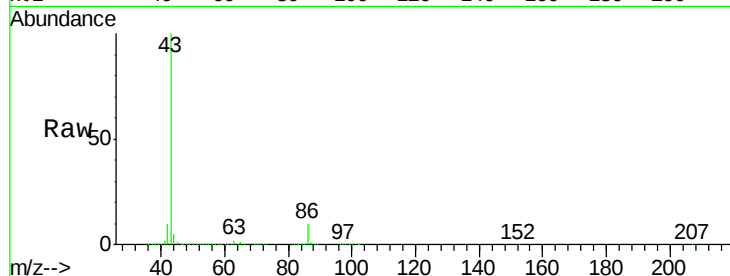
86 10.0 7.9 11.9

Manual Integrations

APPROVED

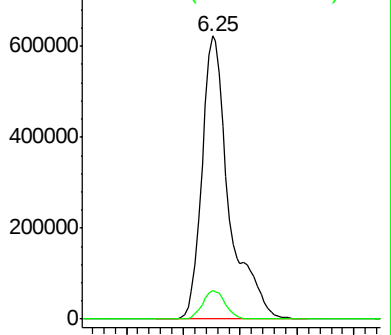
apatel

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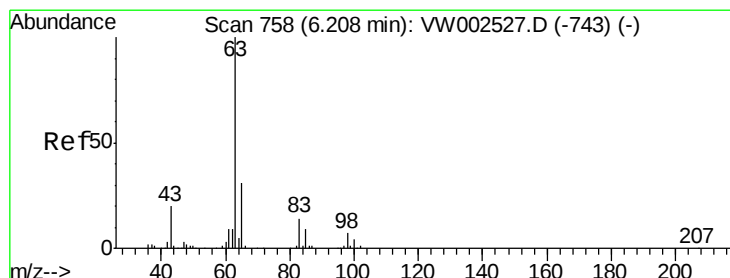
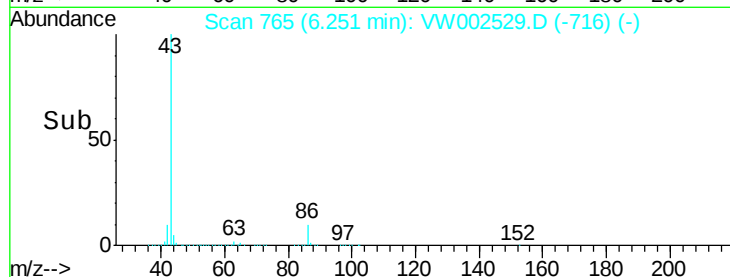


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->



#24

1,1-Dichloroethane

Concen: 93.12 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

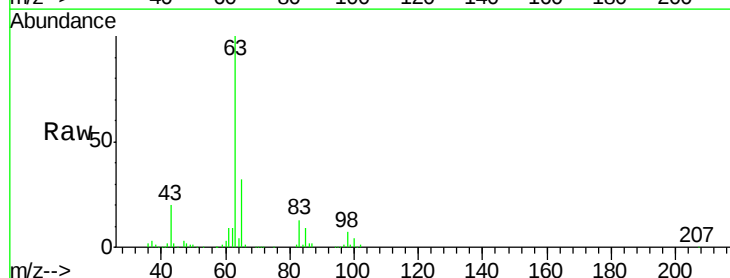
Tgt Ion: 63 Resp: 399840

Ion Ratio Lower Upper

63 100

98 6.8 3.6 10.9

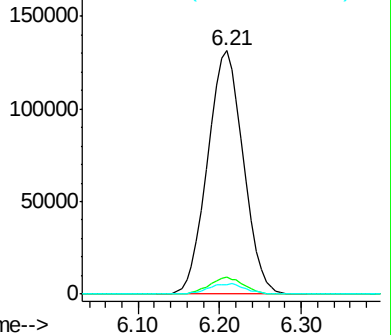
100 4.0 2.1 6.5



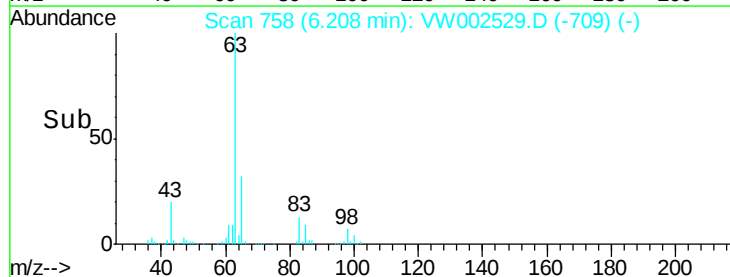
Abundance Ion 62.90 (62.60 to 63.60): VW

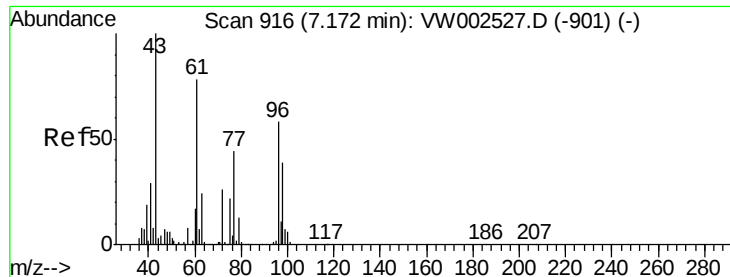
Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW



Time-->





#25

2-Butanone

Concen: 484.78 ug/l

RT: 7.17 min Scan# 916

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 370261

Ion Ratio Lower Upper

43 100

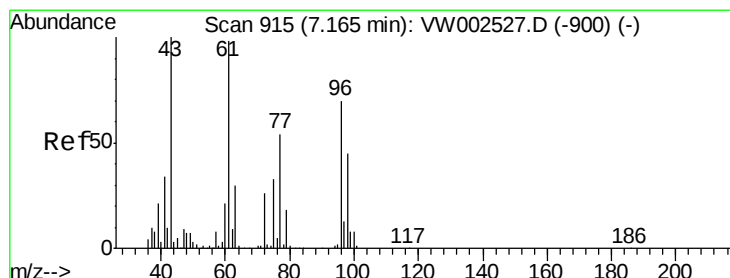
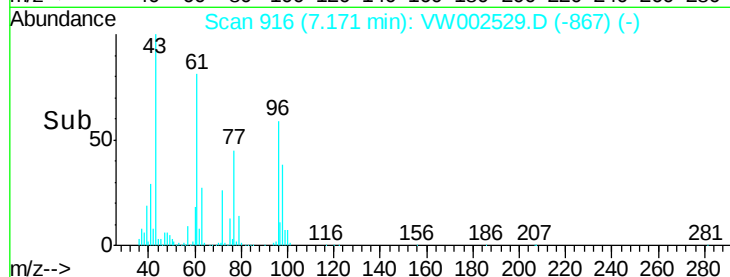
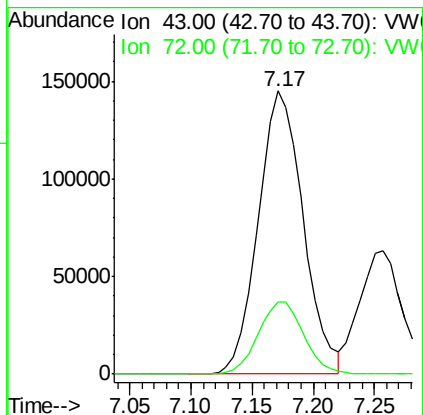
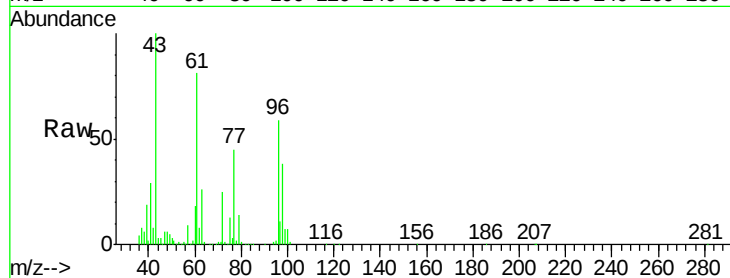
72 25.5 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 97.44 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002529.D

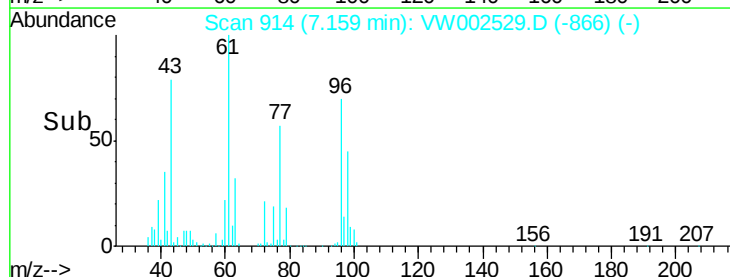
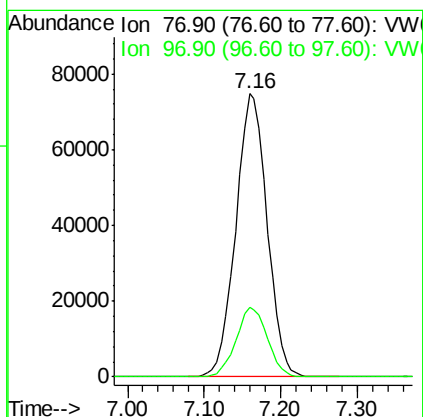
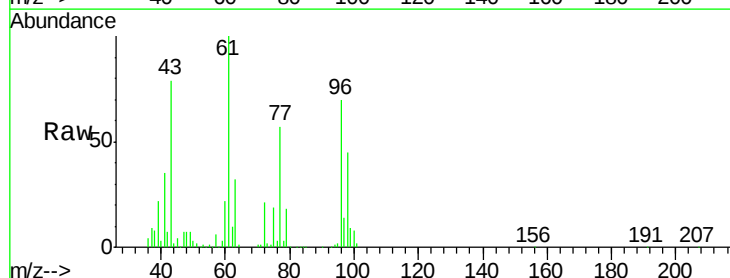
Acq: 14 May 2018 22:56

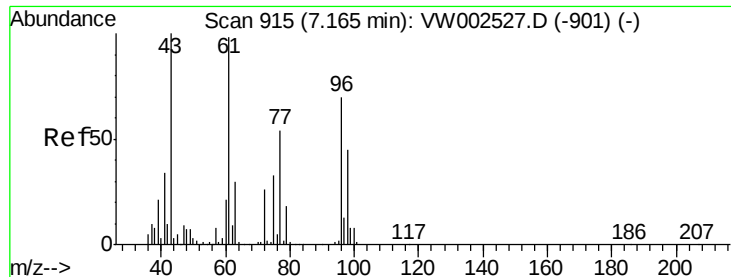
Tgt Ion: 77 Resp: 212042

Ion Ratio Lower Upper

77 100

97 24.4 12.1 36.3





#27

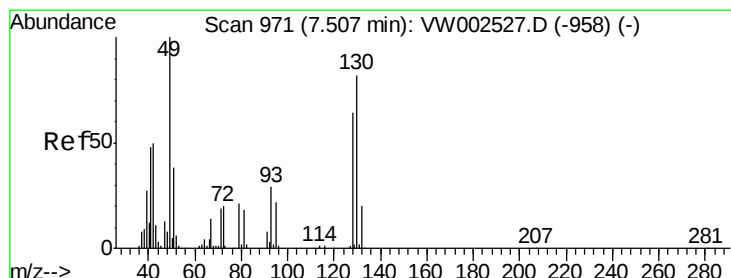
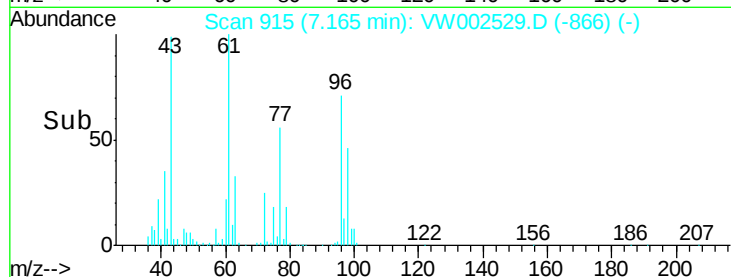
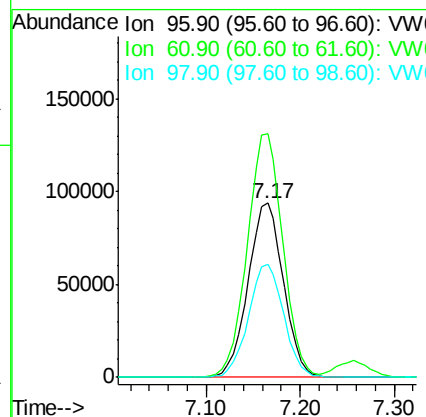
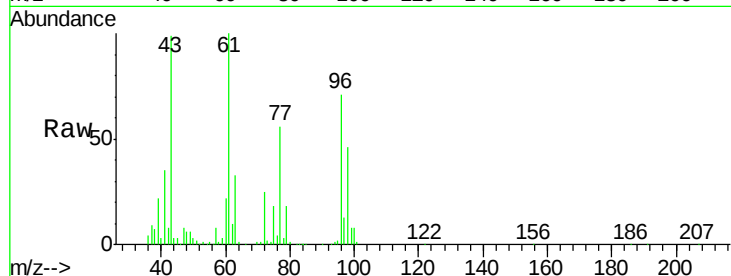
cis-1,2-Dichloroethene
Concen: 92.30 ug/l
RT: 7.17 min Scan# 915
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.8	0.0	281.6
98	64.7	0.0	130.8

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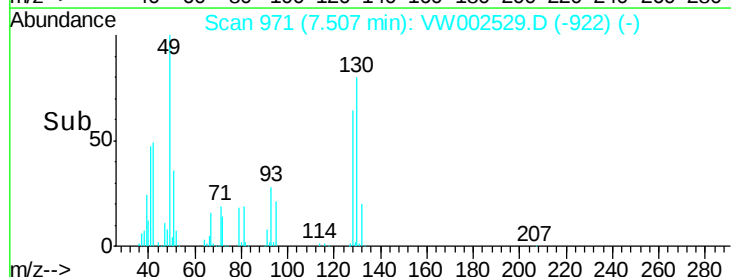
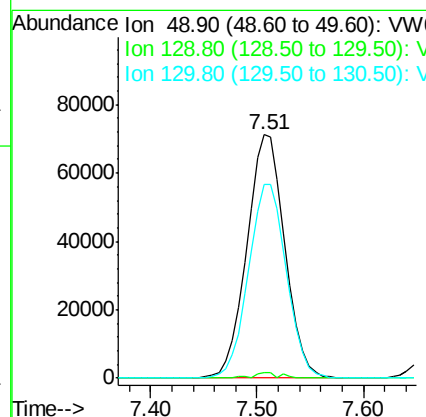
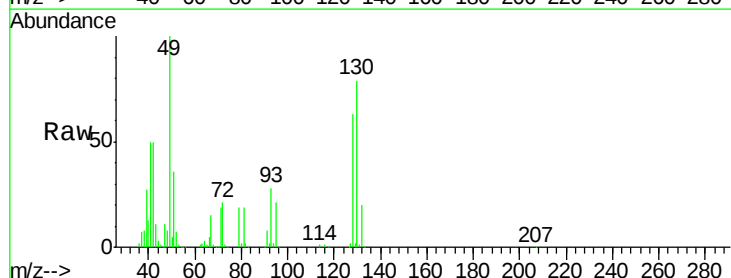
apatel
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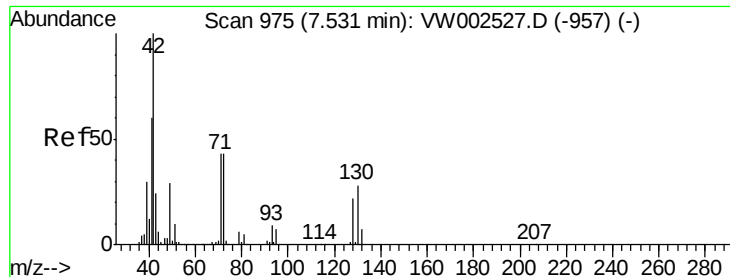


#28

Bromochloromethane
Concen: 91.10 ug/l
RT: 7.51 min Scan# 971
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.4
130	79.8	64.7	97.1





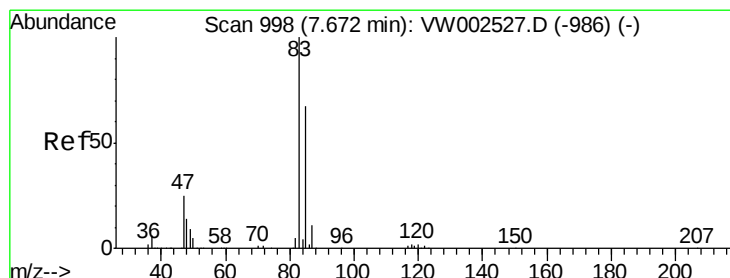
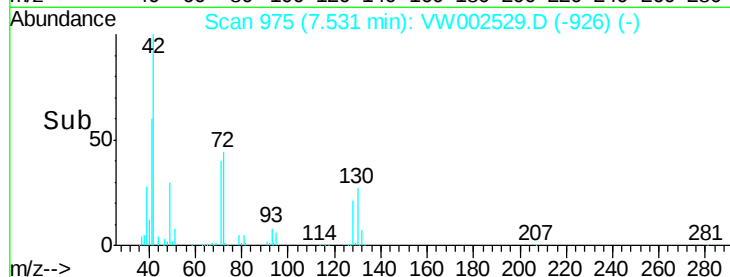
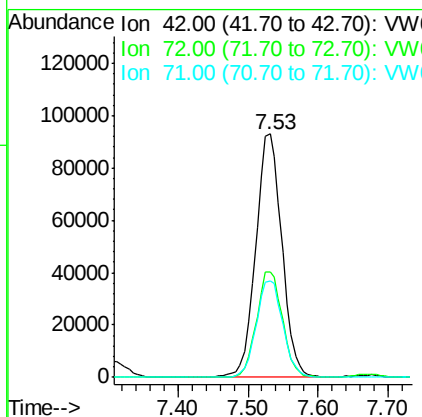
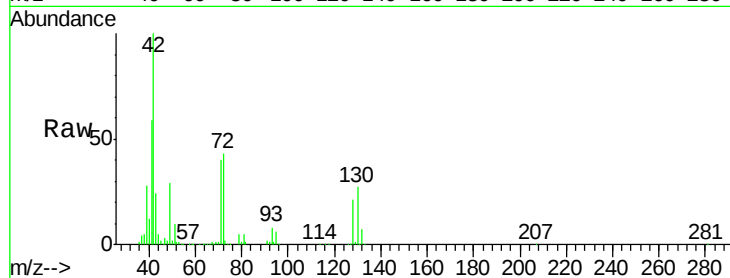
#29
Tetrahydrofuran
Concen: 484.84 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	42	Resp:	241619
Ion Ratio		Lower	Upper
42	100		
72	42.9	35.0	52.4
71	40.2	33.0	49.6

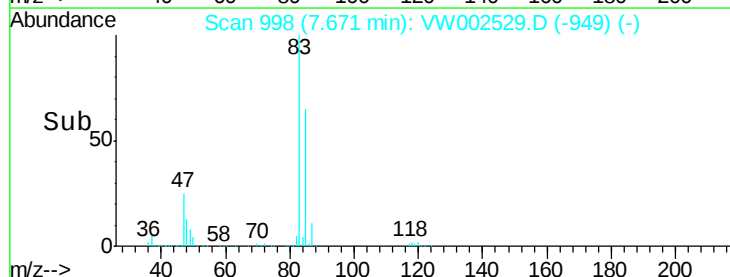
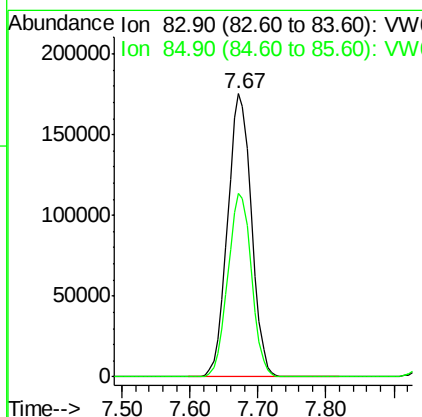
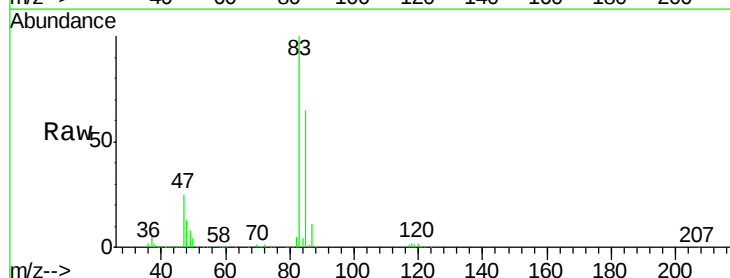
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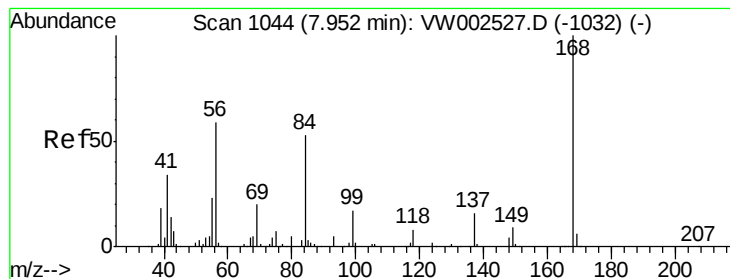
apatel
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#30
Chloroform
Concen: 94.51 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion:	83	Resp:	425838
Ion Ratio		Lower	Upper
83	100		
85	64.8	53.9	80.9





#31

Cyclohexane

Concen: 85.71 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampled :

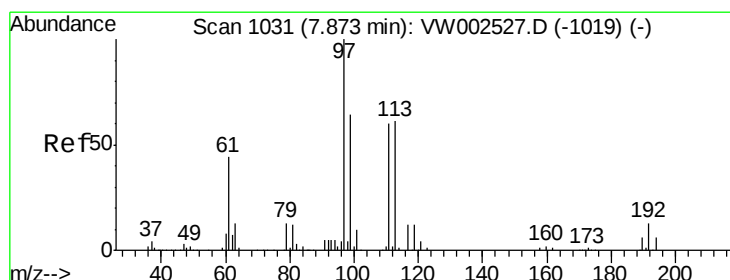
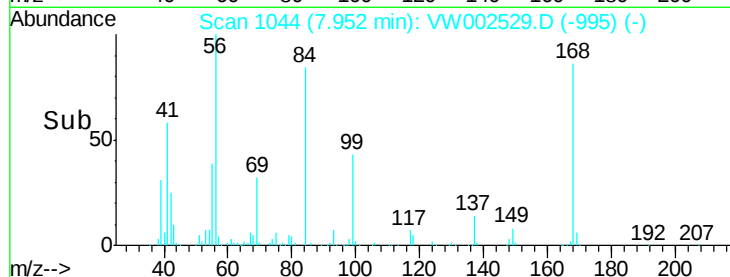
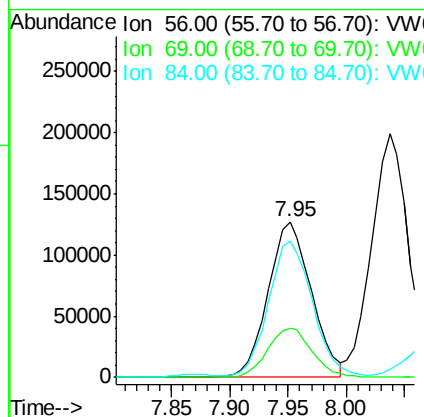
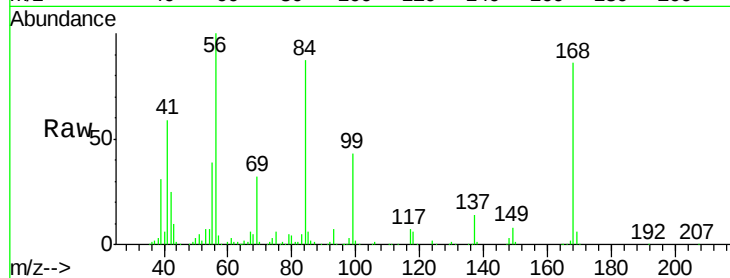
VSTDIC100

Tot Ion: 56 Resp: 327692

Ion	Ratio	Lower	Upper
56	100		
69	32.0	27.0	40.4
84	85.6	72.2	108.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 94.68 ug/l

RT: 7.87 min Scan# 1031

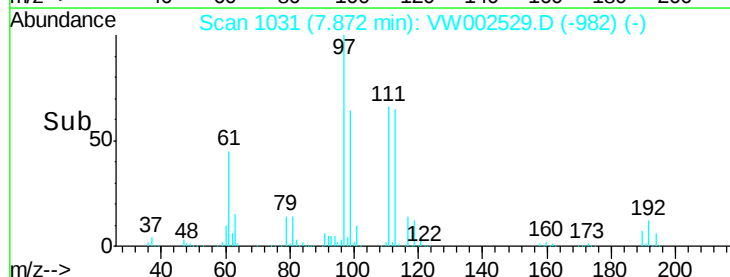
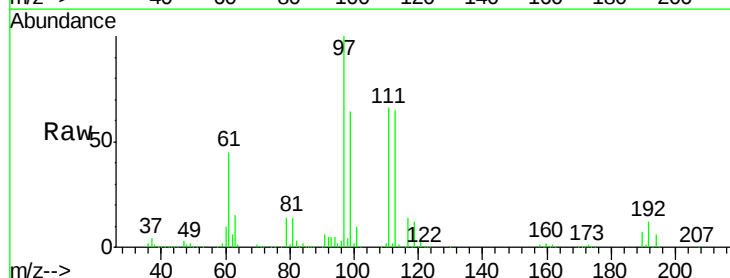
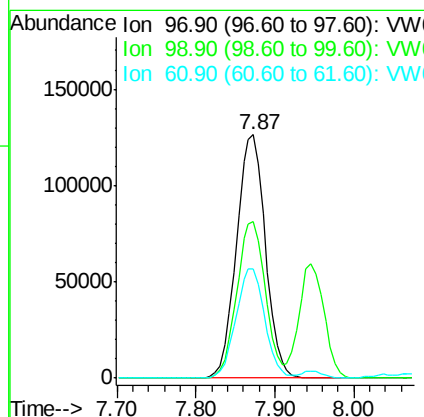
Delta R.T. -0.00 min

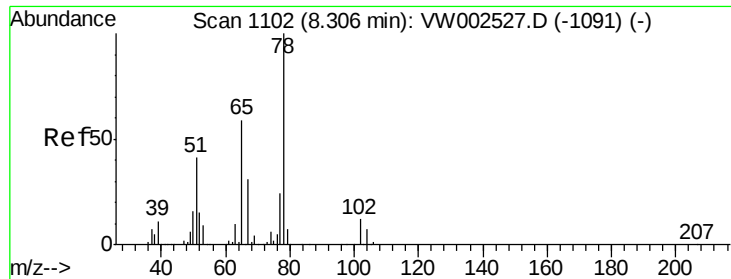
Lab File: VW002529.D

Acq: 14 May 2018 22:56

Tgt Ion: 97 Resp: 321942

Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.1	76.7
61	45.1	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 100.47 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 65 Resp: 260410

Ion Ratio Lower Upper

65 100

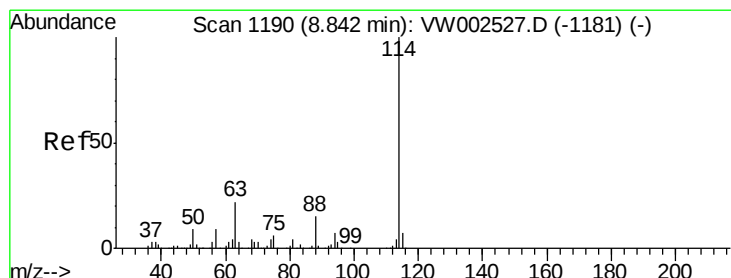
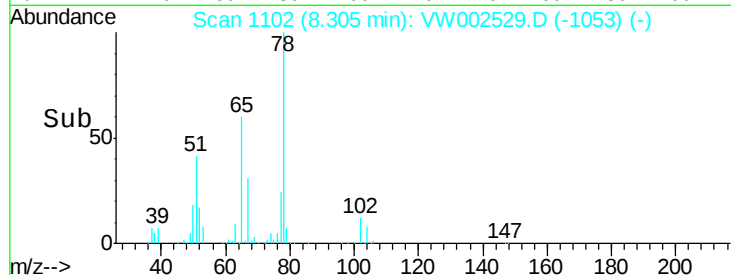
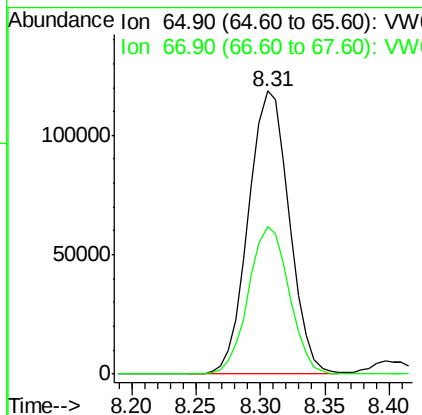
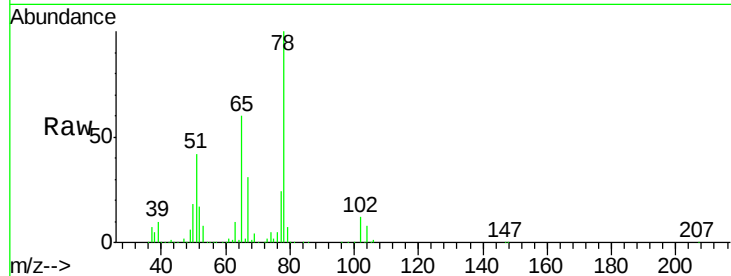
67 52.1 0.0 104.4

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

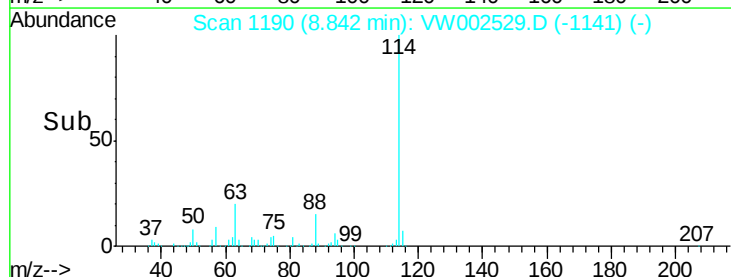
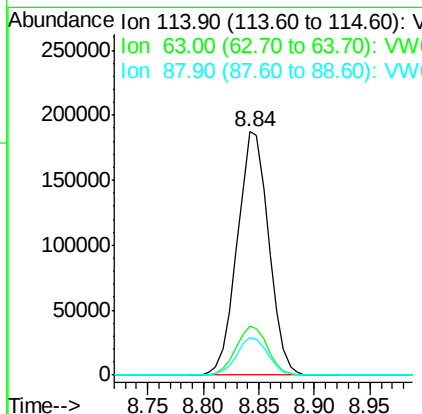
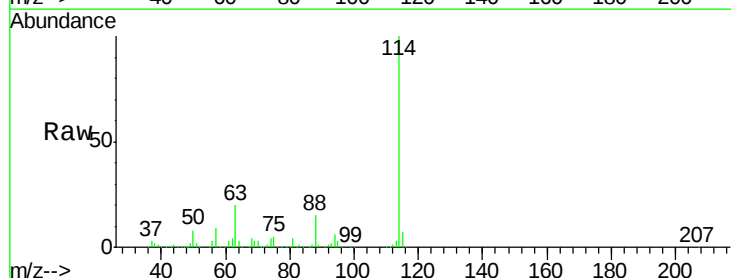
Tgt Ion: 114 Resp: 367216

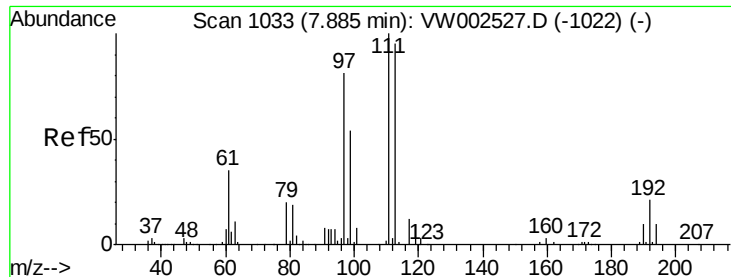
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

88 15.3 0.0 29.2





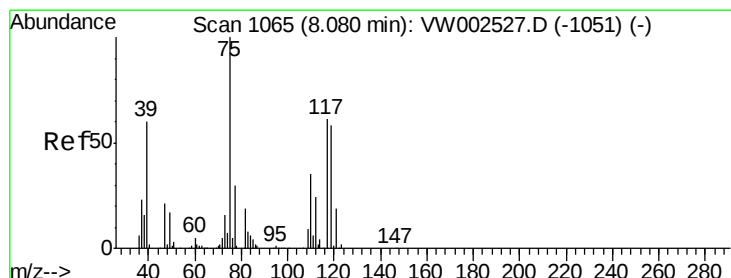
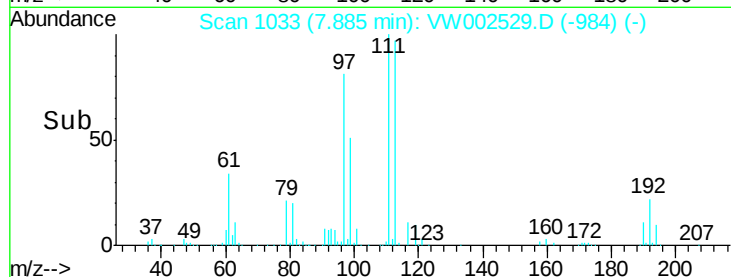
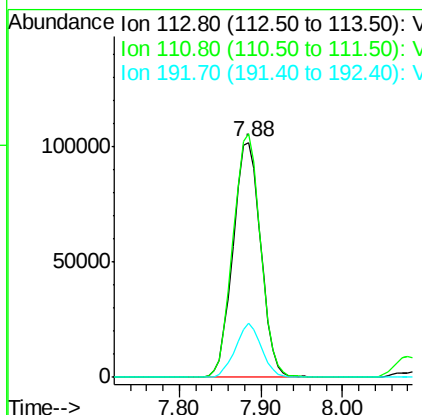
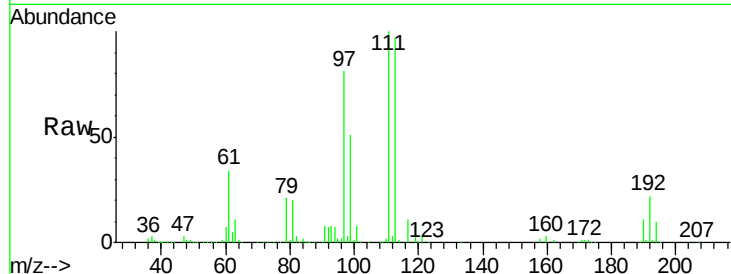
#35
 Dibromofluoromethane
 Concen: 101.95 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
113	100	238363		
111	102.6	81.8	122.8	
192	21.5	17.5	26.3	

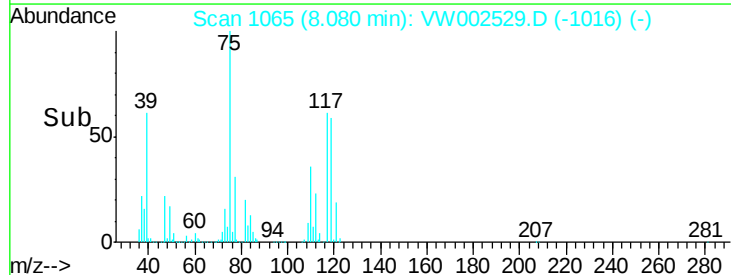
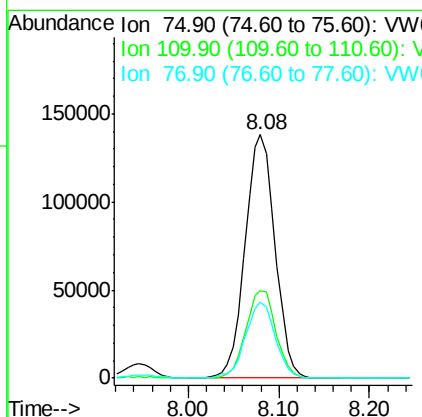
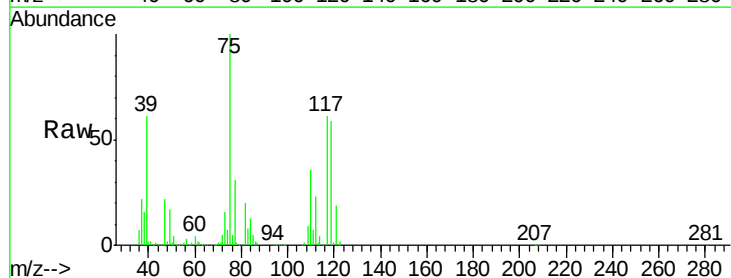
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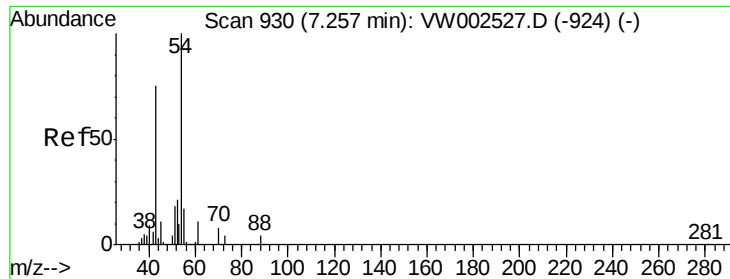
apatel
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#36
 1,1-Dichloropropene
 Concen: 94.70 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	313674		
110	36.3	17.8	53.5	
77	31.5	24.5	36.7	





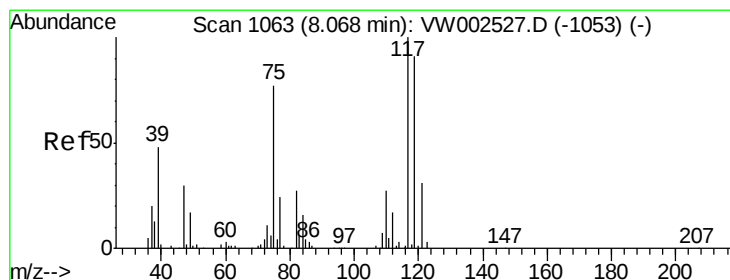
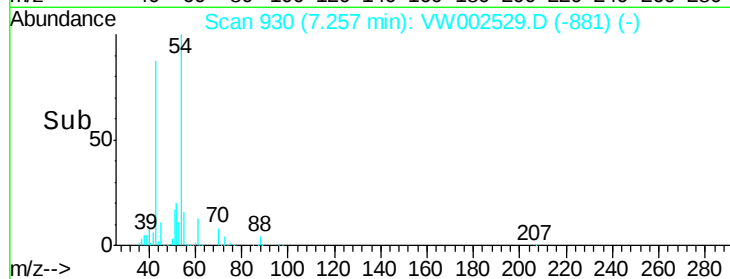
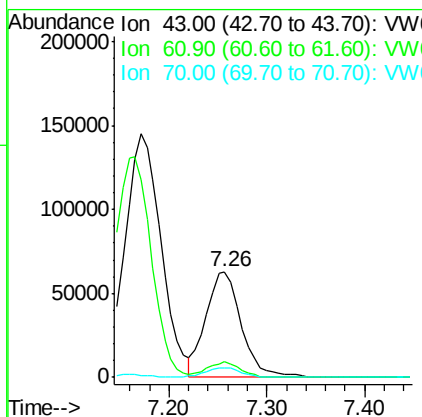
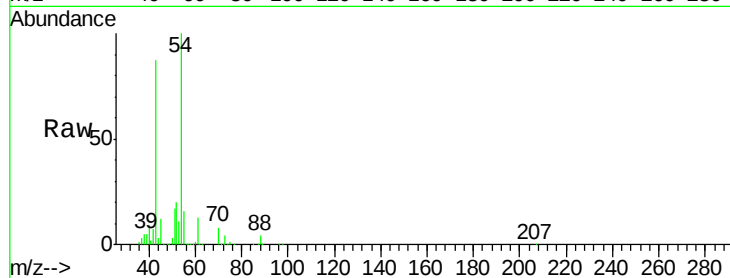
#37
Ethyl Acetate
Concen: 96.45 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.5	11.1	16.7
70	9.1	7.8	11.8

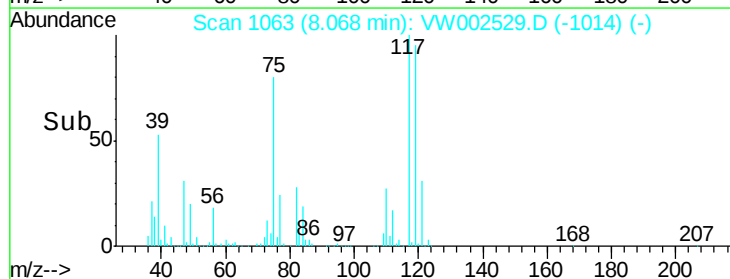
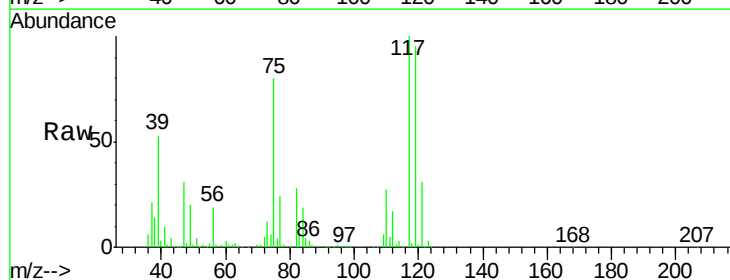
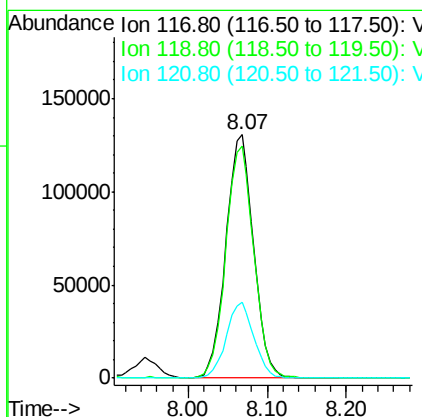
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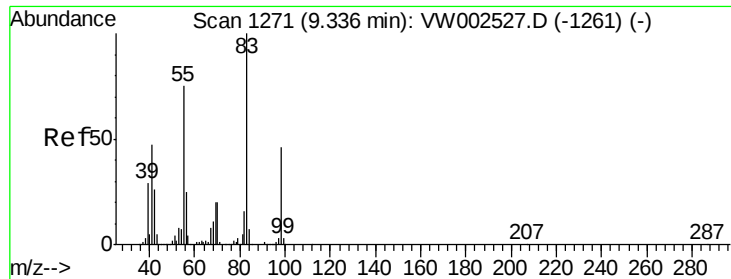
apatel
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#38
Carbon Tetrachloride
Concen: 98.85 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	73.1	109.7
121	31.3	24.4	36.6





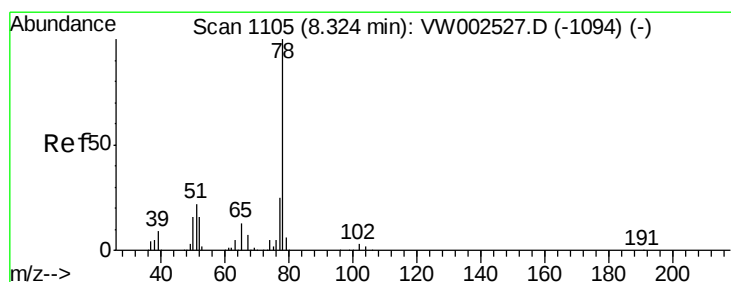
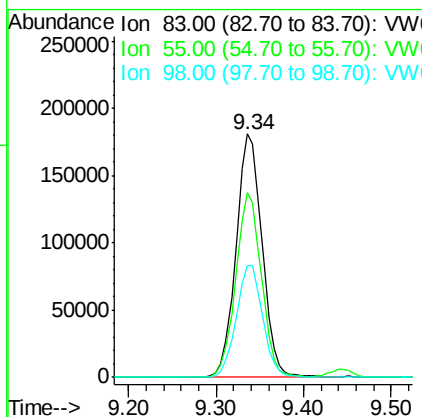
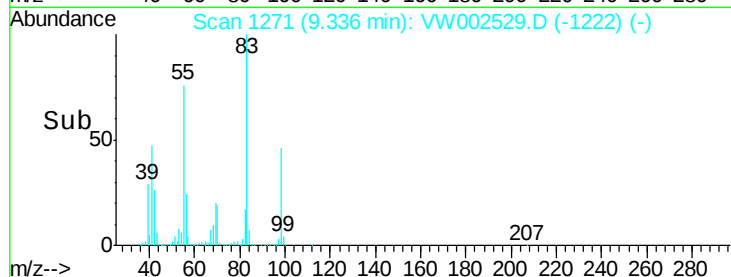
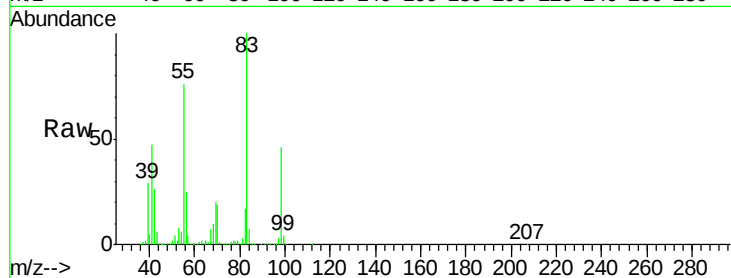
#39
Methvlcvclohexane
Concen: 97.38 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	375194		
55	75.9	60.0	90.0	
98	45.9	37.0	55.4	

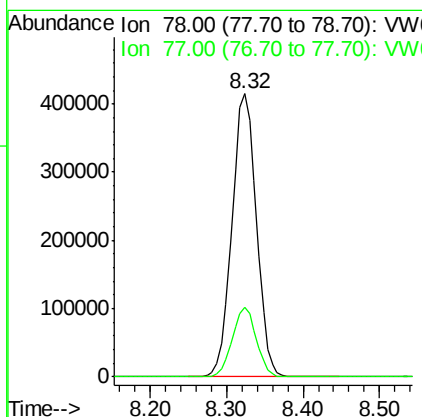
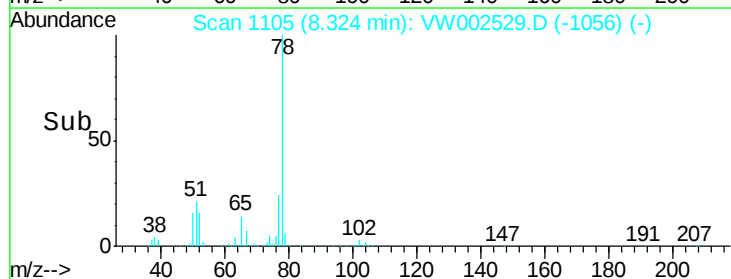
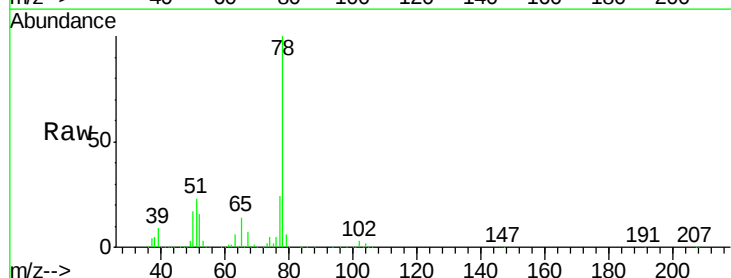
Manual Integrations
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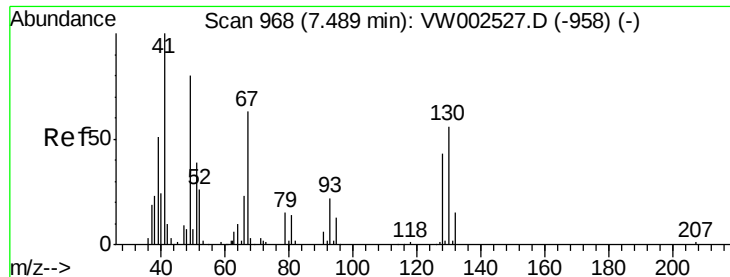
apatel
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#40
Benzene
Concen: 94.92 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	914384		
77	24.4	19.9	29.9	





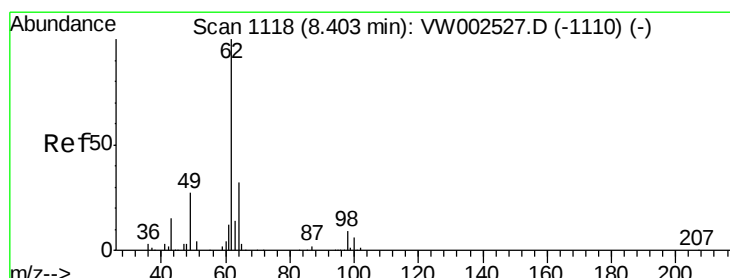
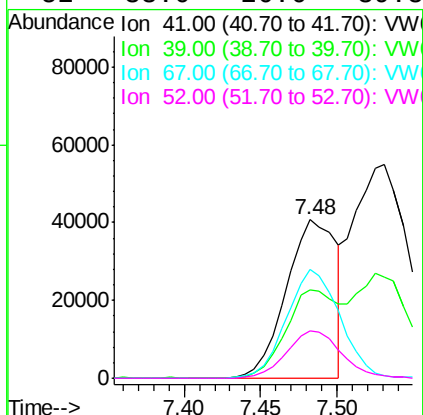
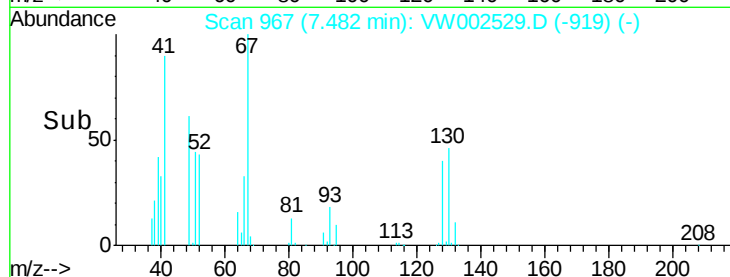
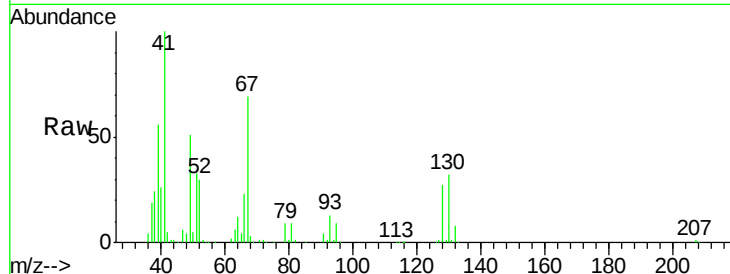
#41
Methacrylonitrile
Concen: 101.59 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
41	100		
39	63.2	51.8	77.8
67	73.1	59.9	89.9
52	33.0	26.6	39.8

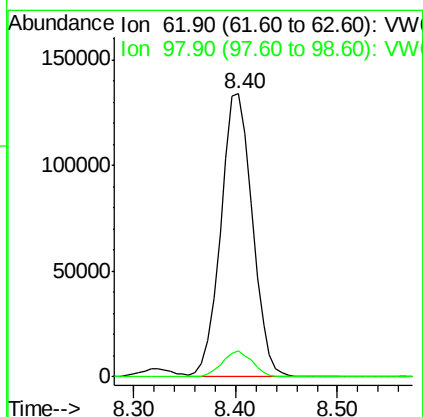
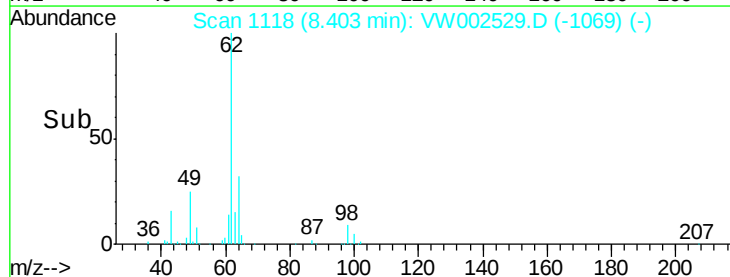
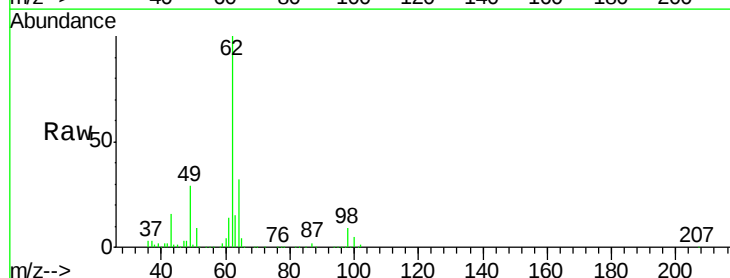
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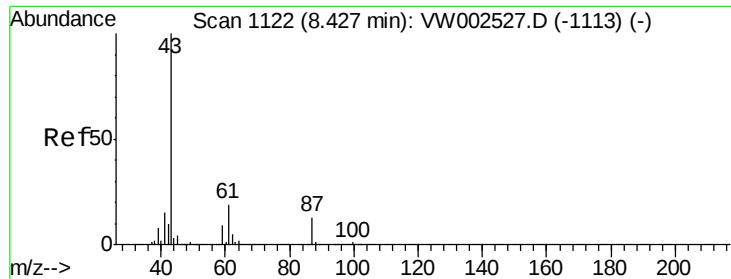
apatel
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#42
1,2-Dichloroethane
Concen: 95.17 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	17.8





#43

Isopropyl Acetate

Concen: 100.57 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

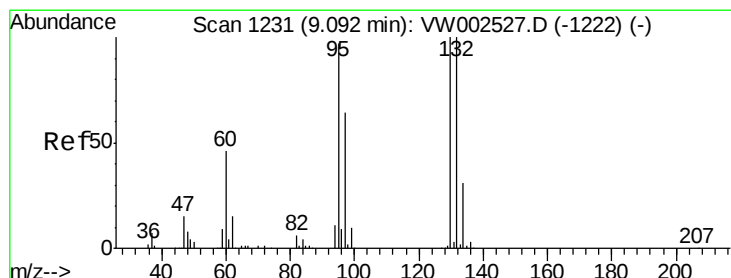
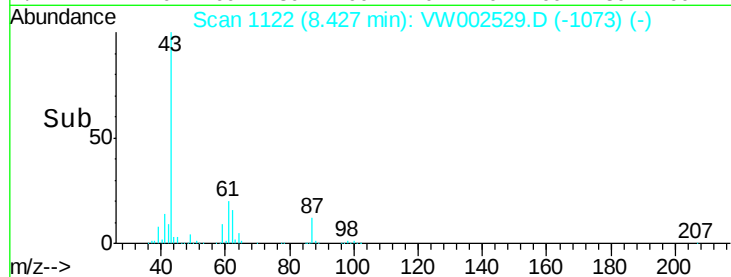
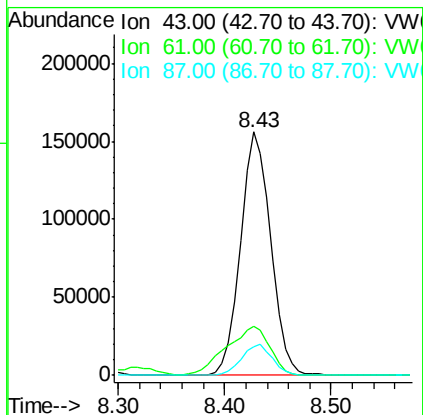
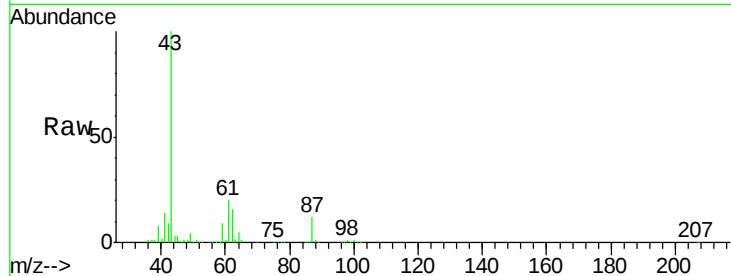
ClientSampled :

VSTDIC100

Tot Ion:	43	Resp:	310756
Ion	Ratio	Lower	Upper
43	100		
61	29.0	23.0	34.6
87	12.9	10.6	15.8

Manual Integrations
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#44

Trichloroethene

Concen: 95.45 ug/l

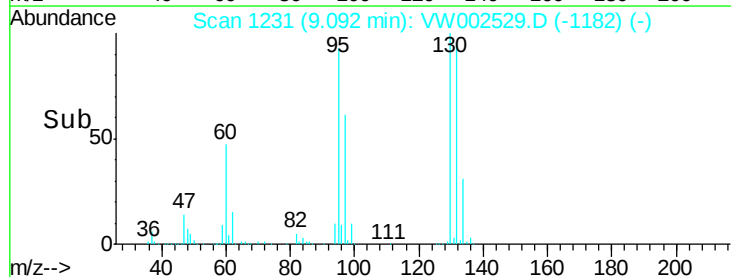
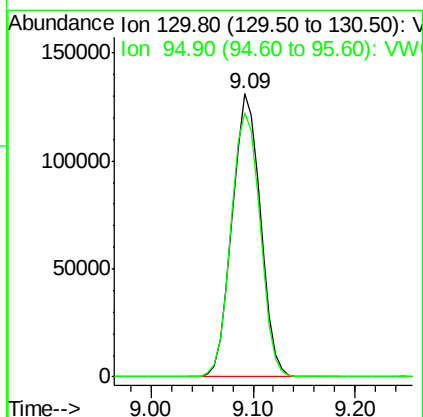
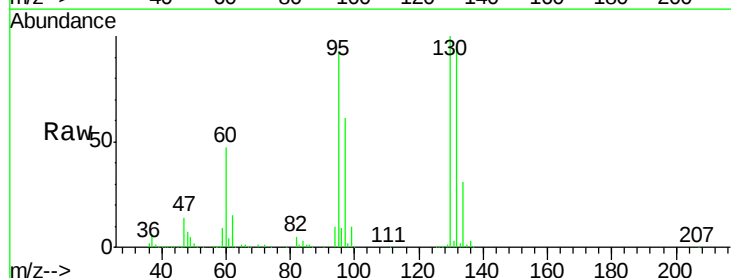
RT: 9.09 min Scan# 1231

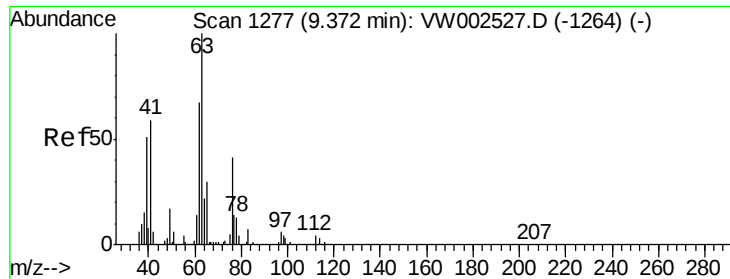
Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Tgt Ion:	130	Resp:	251387
Ion	Ratio	Lower	Upper
130	100		
95	93.4	0.0	194.6





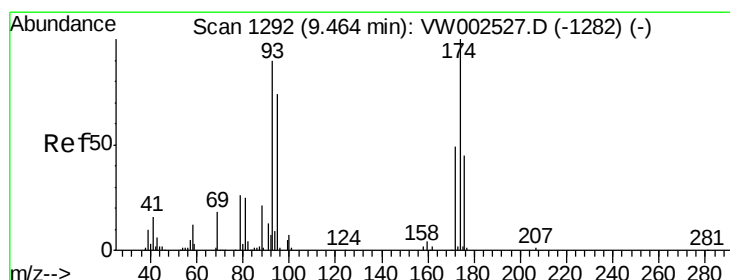
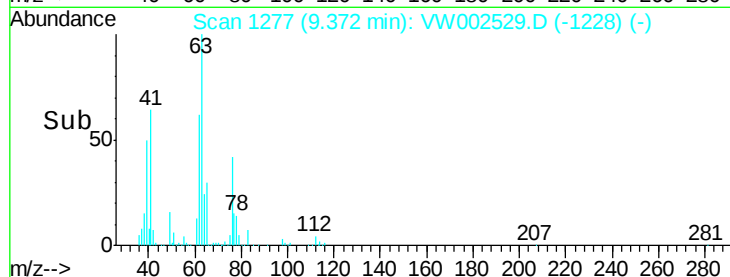
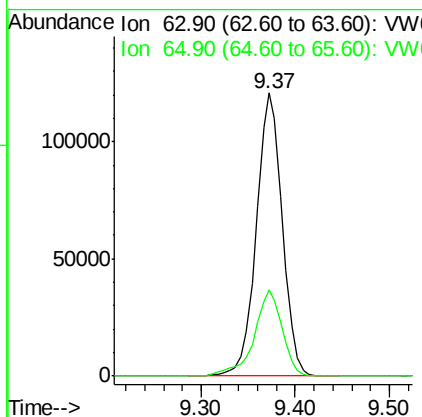
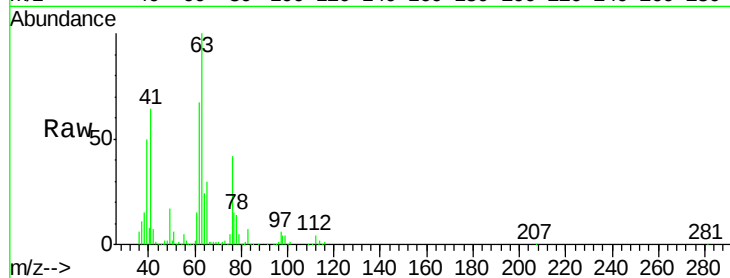
#45
 1,2-Dichloropropane
 Concen: 96.17 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.4	24.4	36.6

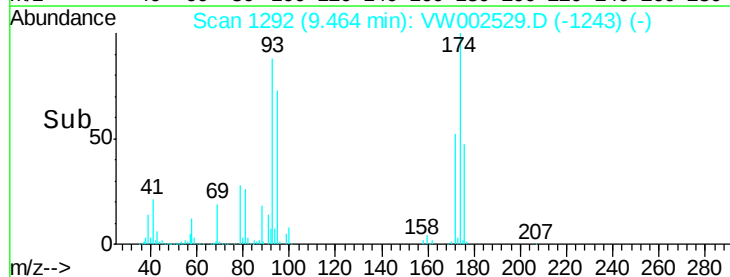
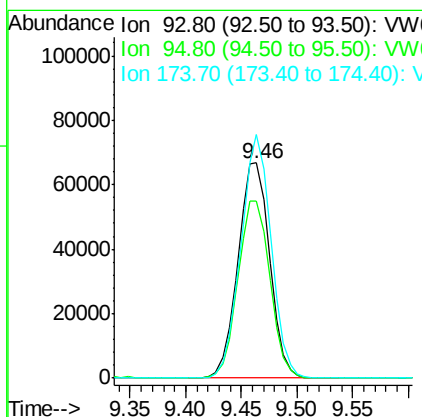
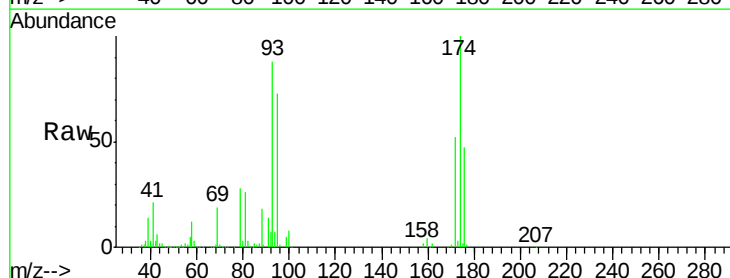
Manual Integrations
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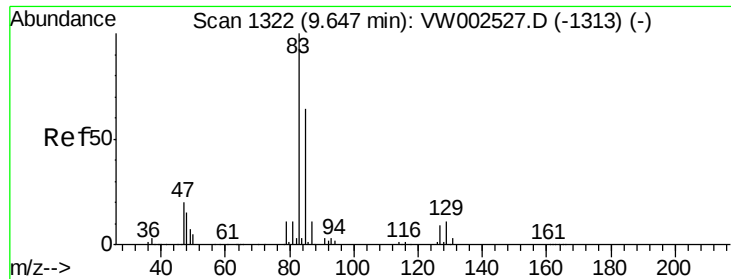
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#46
 Dibromomethane
 Concen: 96.95 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.3	66.6	100.0
174	108.1	84.0	126.0





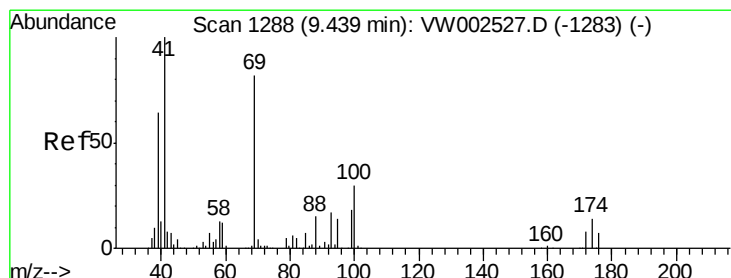
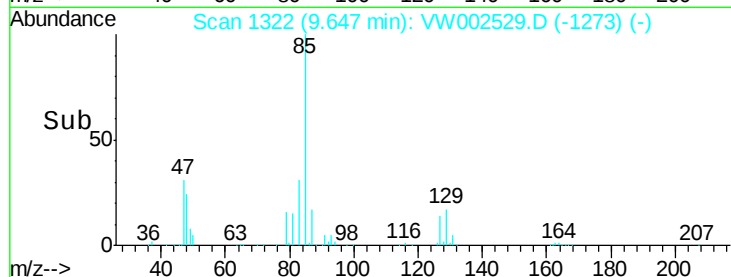
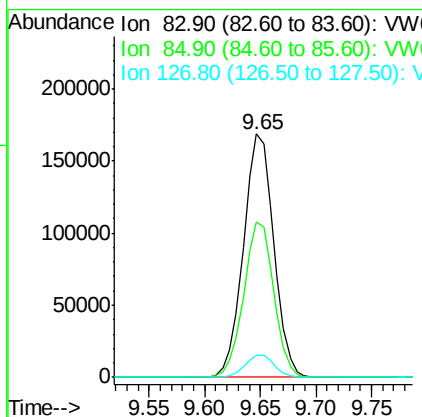
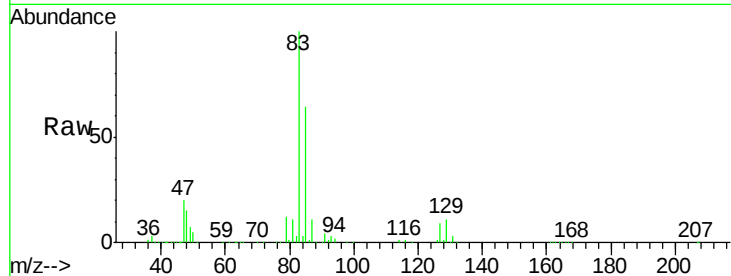
#47
Bromodichloromethane
Concen: 99.64 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	319185		
85	63.7		51.4	77.2
127	9.0		7.0	10.4

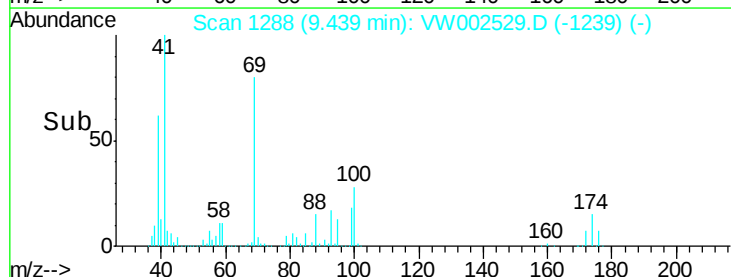
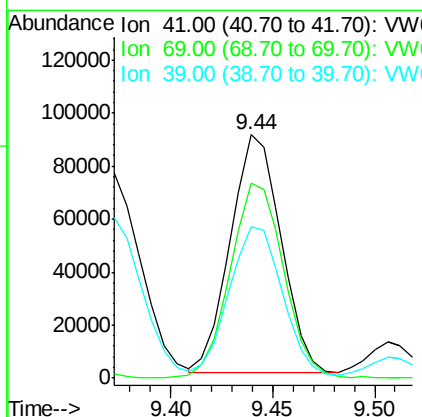
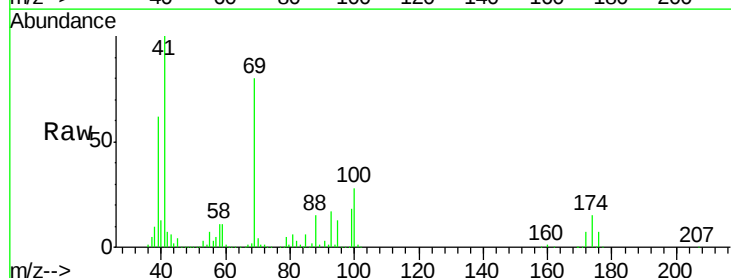
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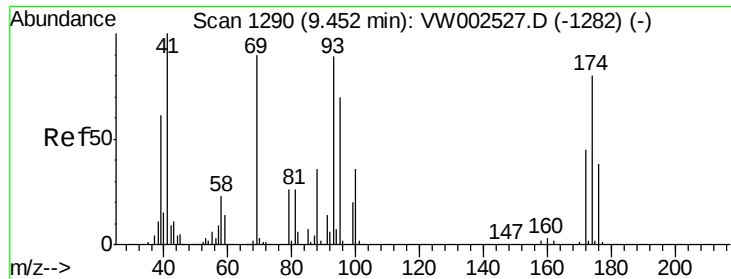
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#48
Methyl methacrylate
Concen: 103.38 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	154848		
69	86.4		69.7	104.5
39	68.0		55.0	82.4





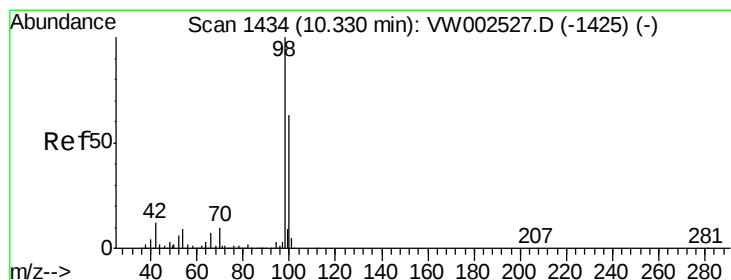
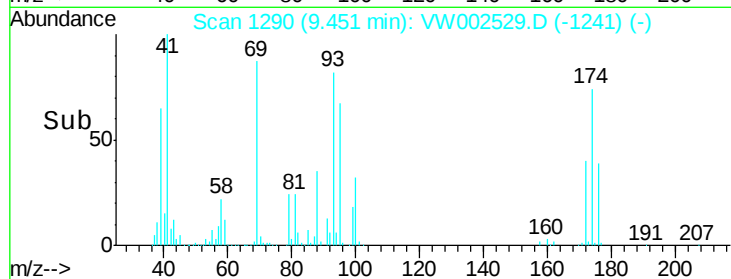
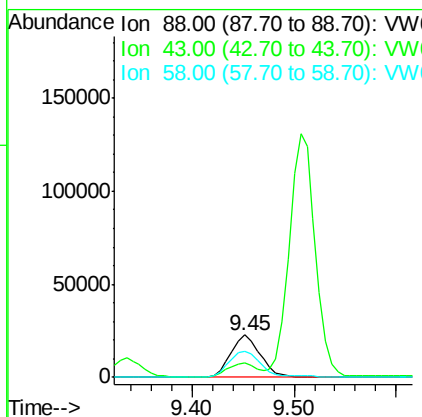
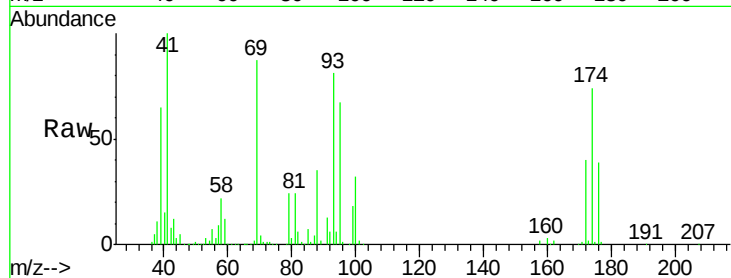
#49
1,4-Dioxane
Concen: 2071.38 ug/l
RT: 9.45 min Scan# 1290
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	88	Resp	45460
Ion	Ratio	Lower	Upper
88	100		
43	33.6	27.0	40.4
58	67.1	56.9	85.3

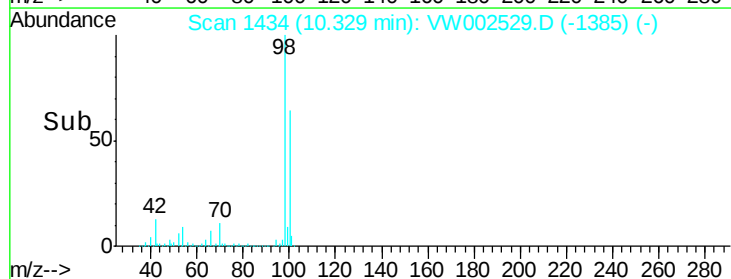
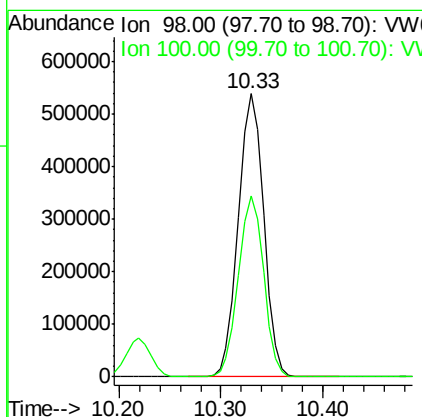
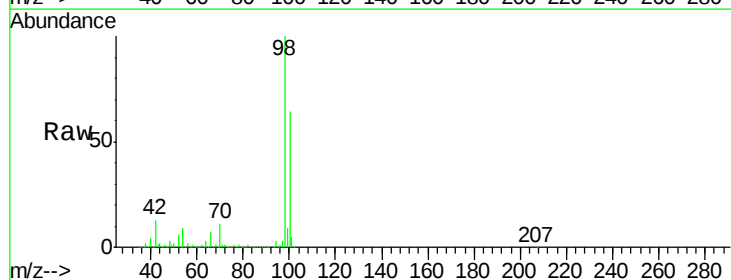
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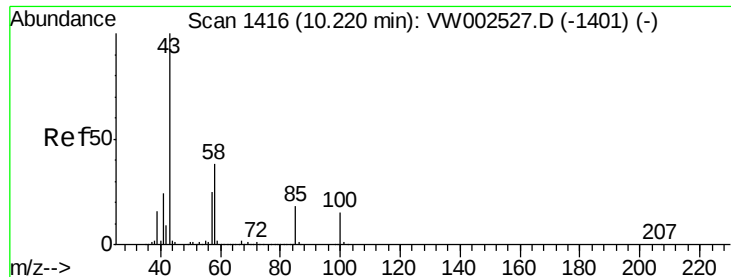
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#50
Toluene-d8
Concen: 104.08 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	98	Resp	930158
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 508.90 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 43 Resp: 871086

Ion Ratio Lower Upper

43 100

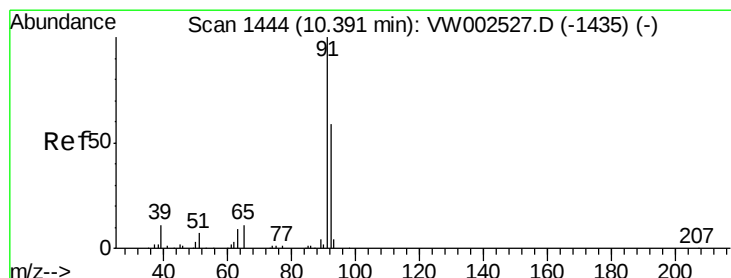
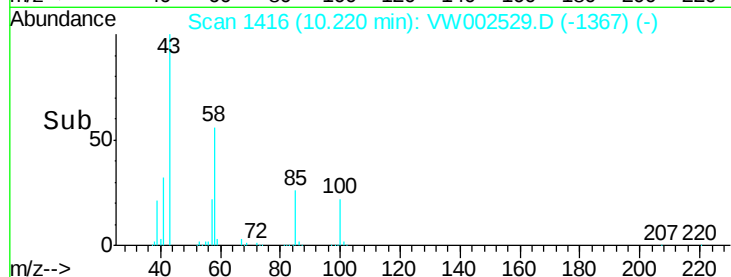
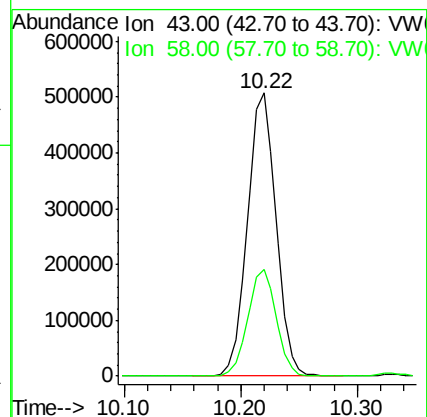
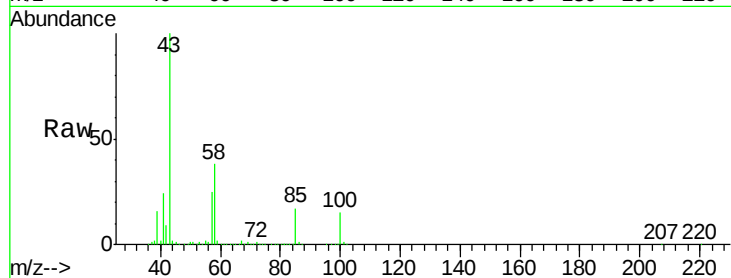
58 37.4 30.1 45.1

Manual Integrations

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#52

Toluene

Concen: 96.38 ug/l

RT: 10.40 min Scan# 1445

Delta R.T. 0.01 min

Lab File: VW002529.D

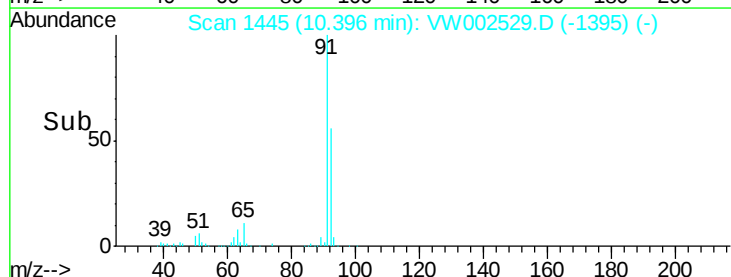
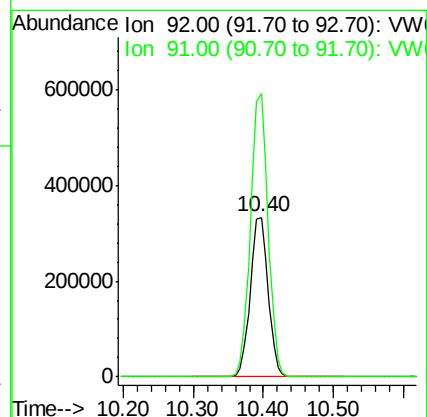
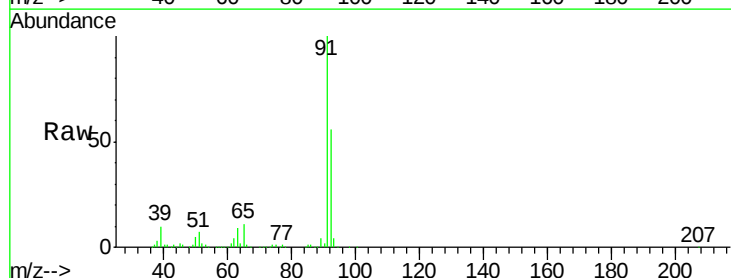
Acq: 14 May 2018 22:56

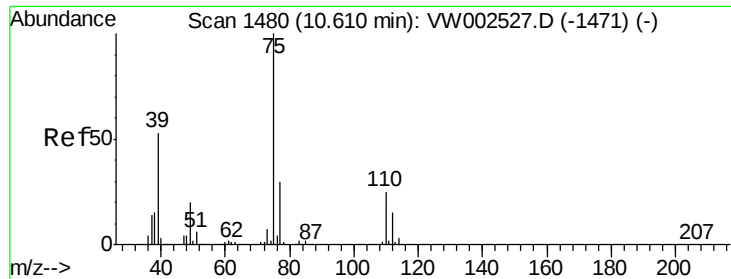
Tgt Ion: 92 Resp: 589662

Ion Ratio Lower Upper

92 100

91 175.5 139.1 208.7





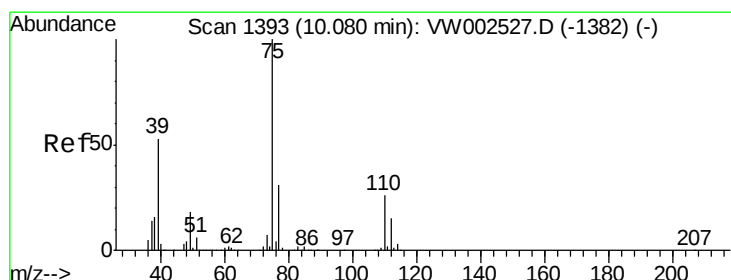
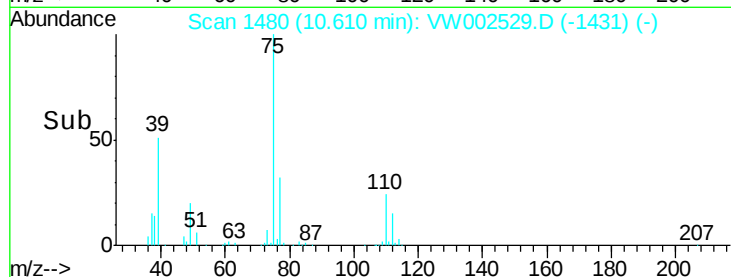
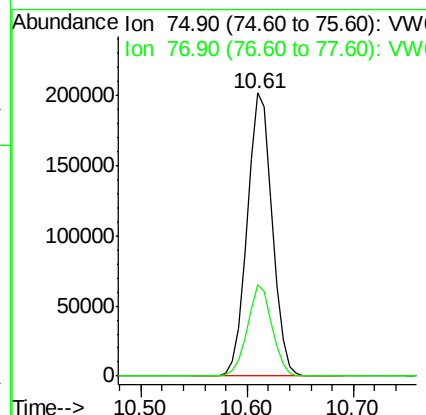
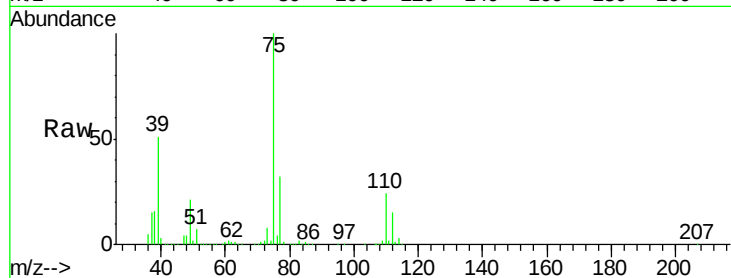
#53
 t-1,3-Dichloropropene
 Concen: 104.77 ug/l
 RT: 10.61 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.3	24.1	36.1

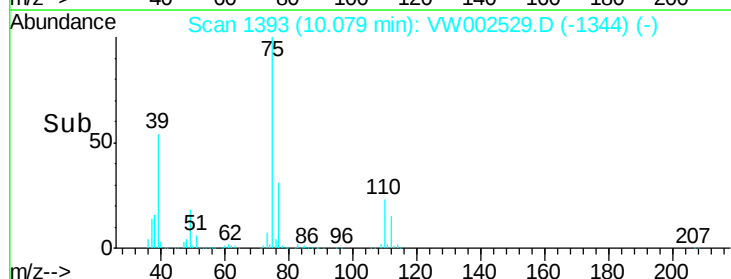
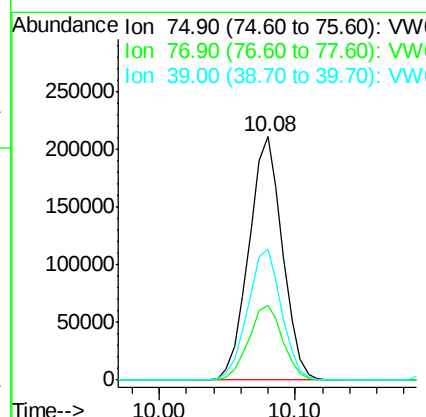
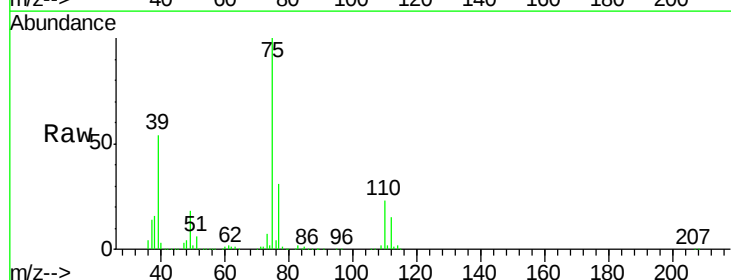
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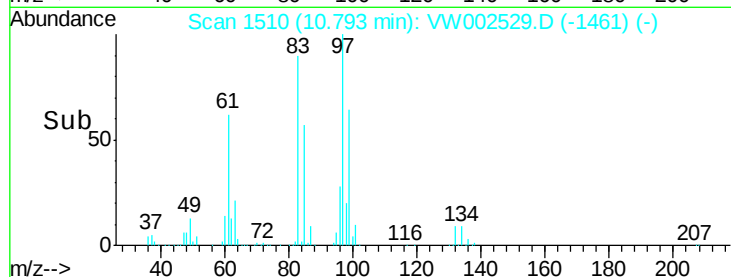
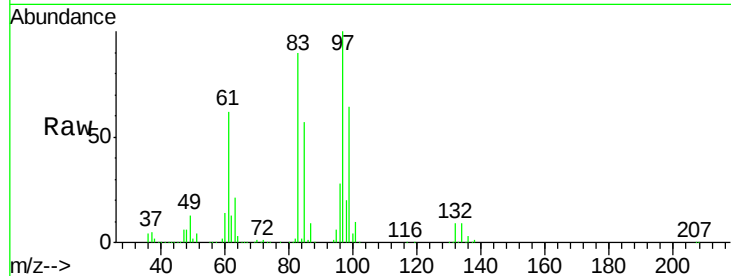
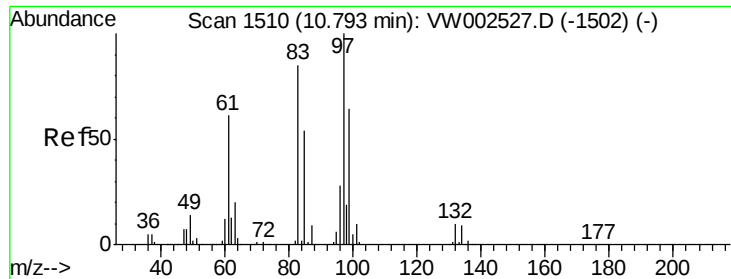
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#54
 cis-1,3-Dichloropropene
 Concen: 101.37 ug/l
 RT: 10.08 min Scan# 1393
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.5	25.0	37.4
39	53.5	42.5	63.7





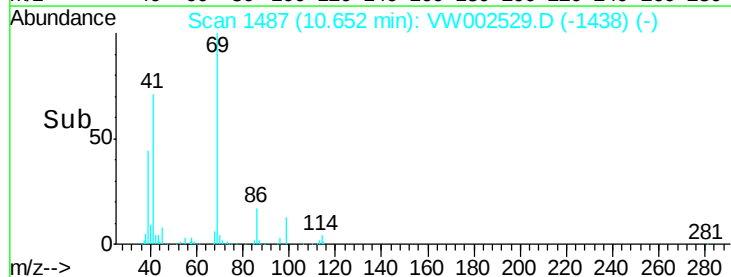
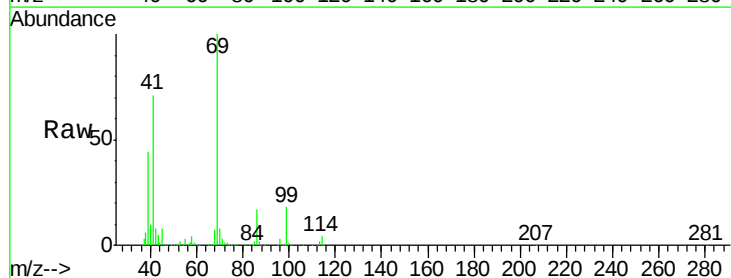
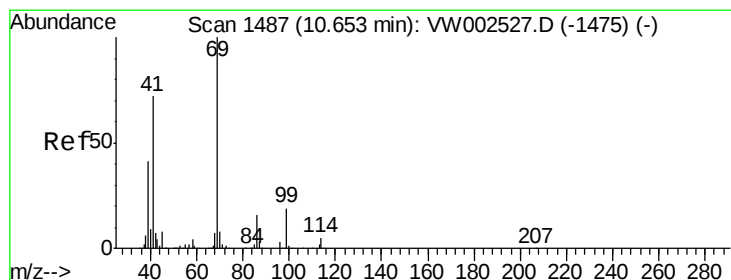
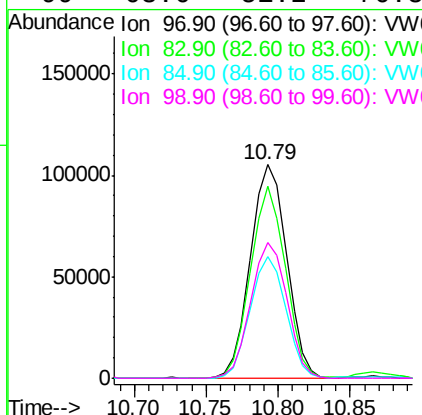
#55
1,1,2-Trichloroethane
Concen: 96.09 ug/l
RT: 10.79 min Scan# 1510
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		184225		
83	89.7	68.1	102.1		
85	56.7	43.6	65.4		
99	63.6	51.2	76.8		

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

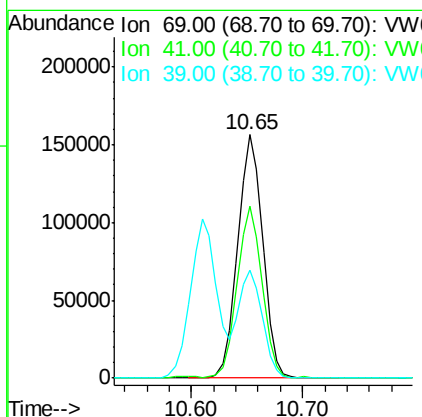
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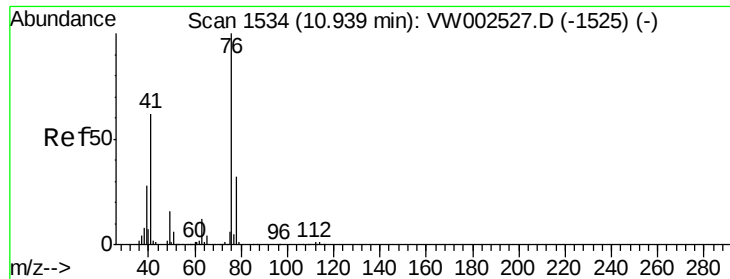
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#56
Ethyl methacrylate
Concen: 102.89 ug/l
RT: 10.65 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		244210		
41	69.6	55.3	82.9		
39	41.8	33.0	49.6		





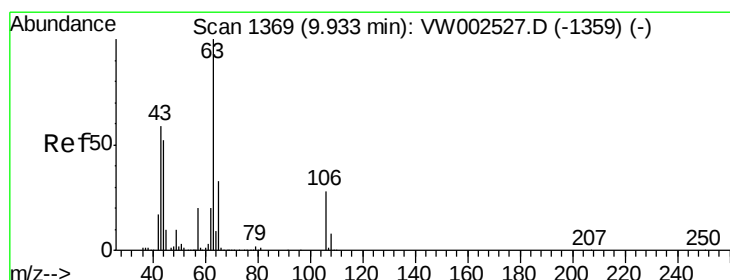
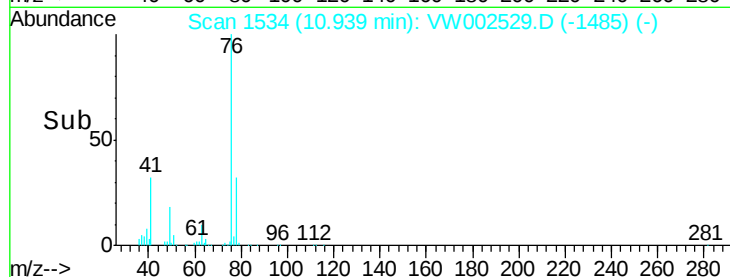
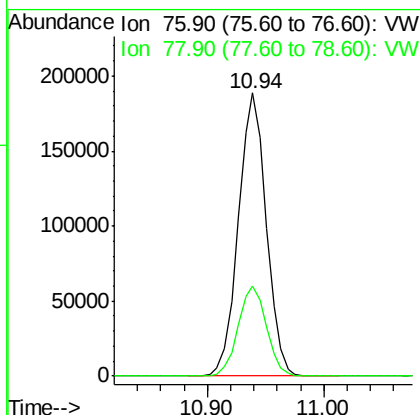
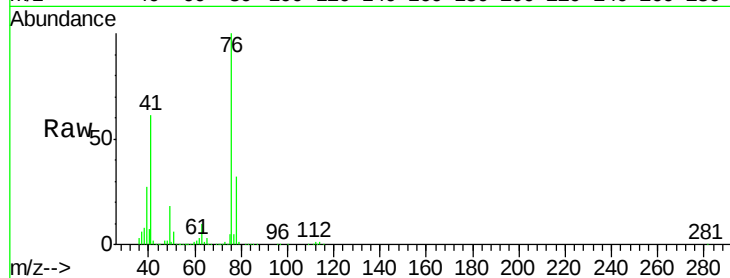
#57
 1,3-Dichloropropane
 Concen: 96.83 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 76 Resp: 315033
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.6 38.4

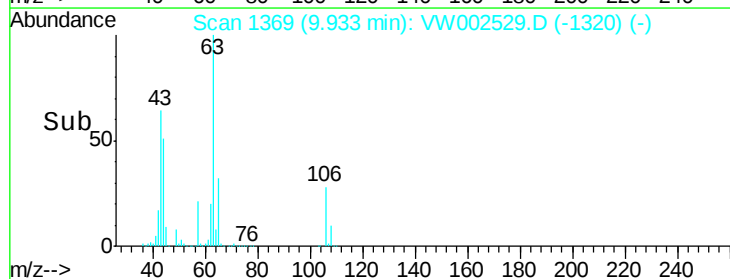
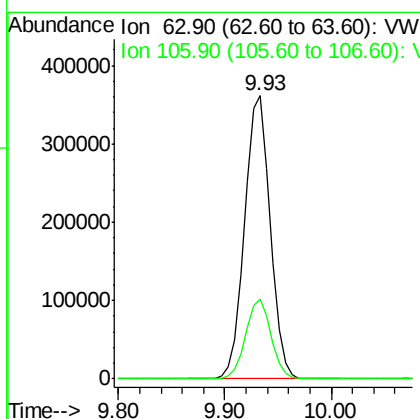
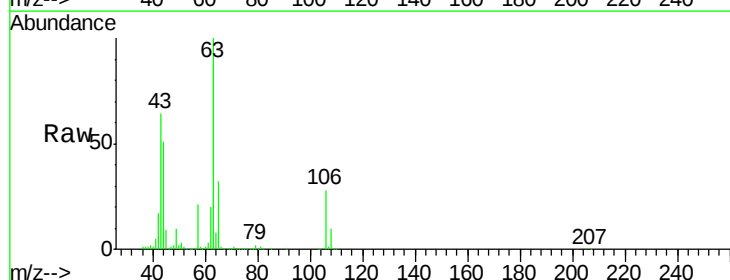
Manual Integrations
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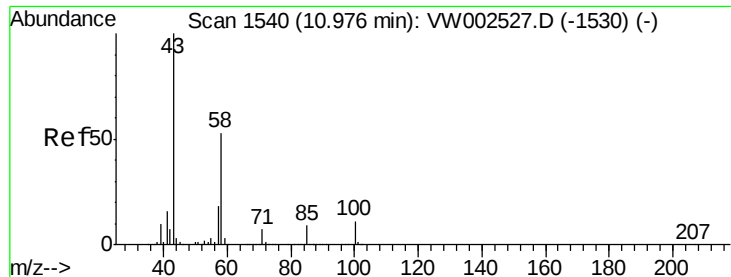
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#58
 2-Chloroethyl Vinyl ether
 Concen: 527.99 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion: 63 Resp: 609182
 Ion Ratio Lower Upper
 63 100
 106 28.0 22.9 34.3





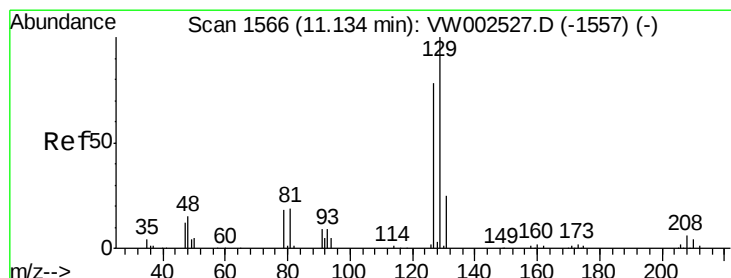
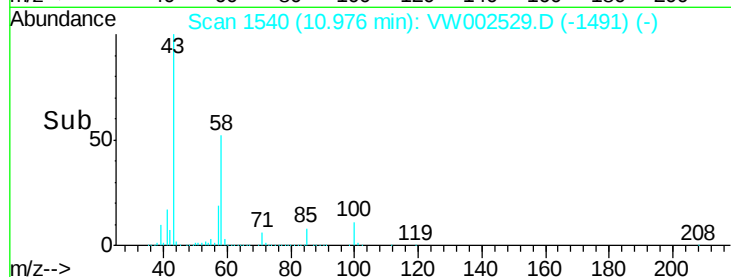
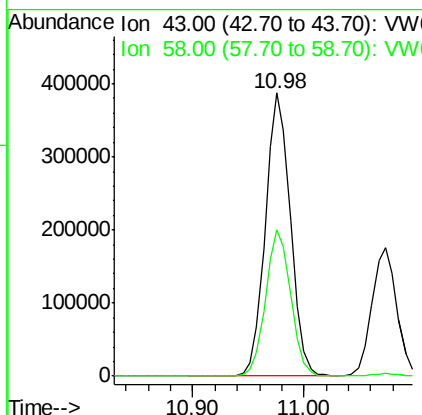
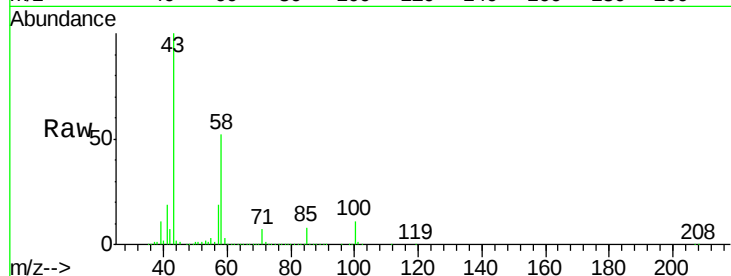
#59
2-Hexanone
Concen: 518.74 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDICC100

Tot Ion	43	Resp	608410
Ion Ratio	43	100	
Lower	58	51.7	26.3
Upper			78.8

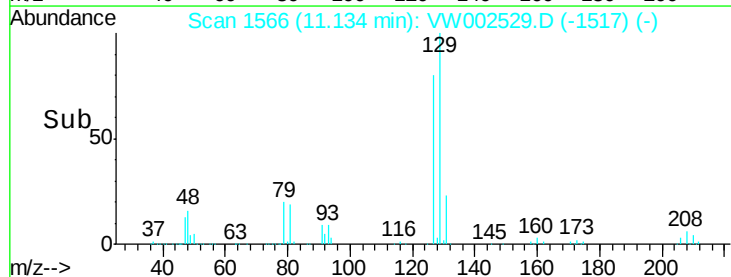
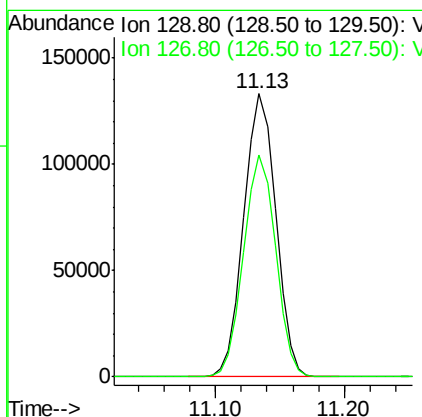
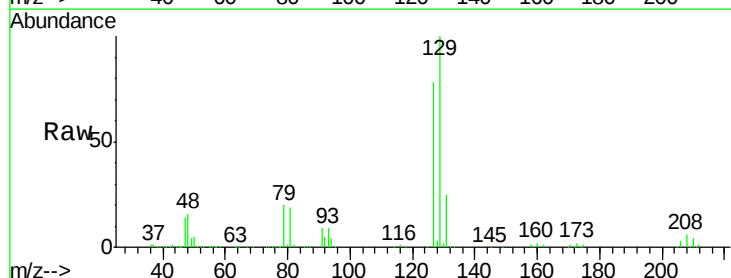
Manual Integrations
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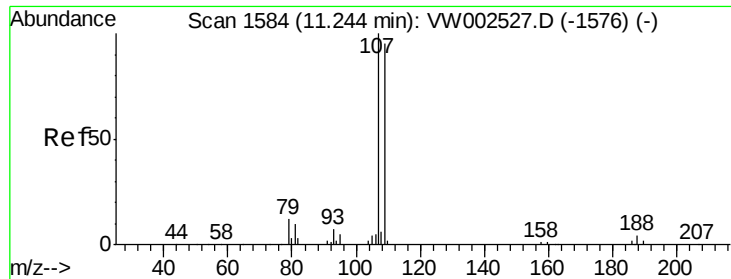
apatel
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#60
Dibromochloromethane
Concen: 101.36 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	129	Resp	229614
Ion Ratio	129	100	
Lower	127	78.5	38.6
Upper			115.7





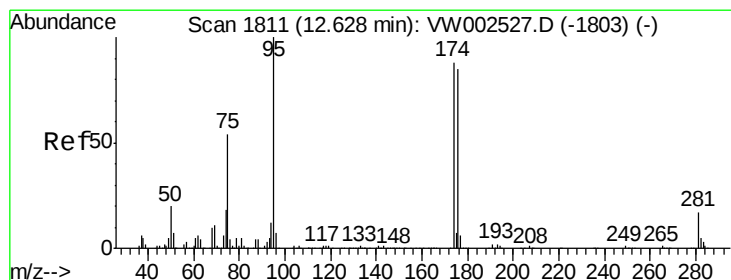
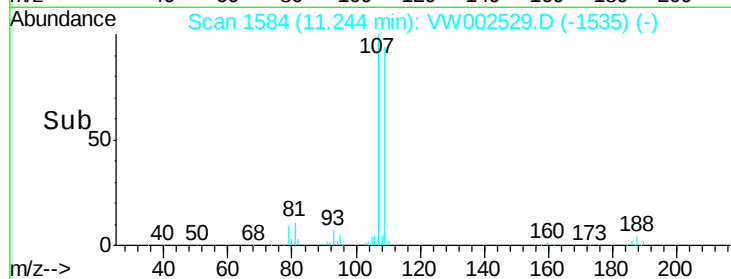
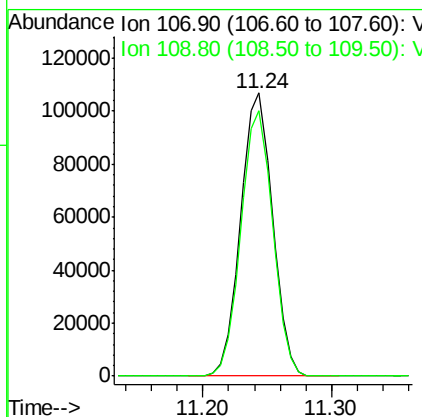
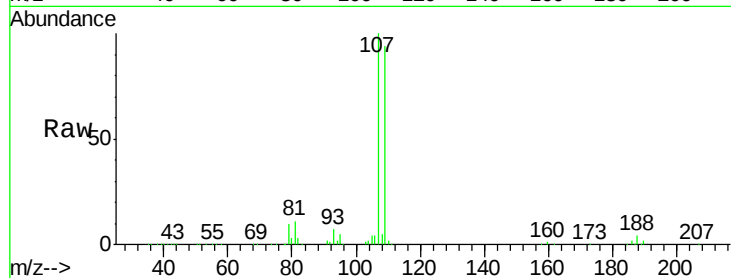
#61
 1,2-Dibromoethane
 Concen: 98.18 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.3	75.4	113.2

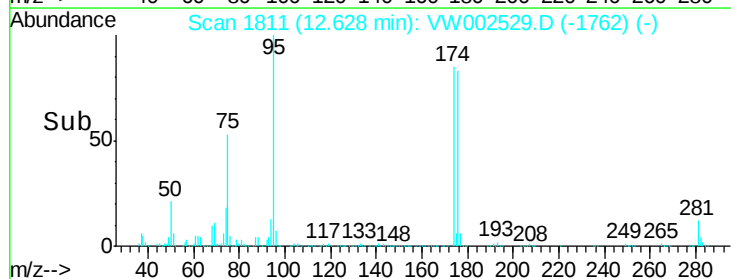
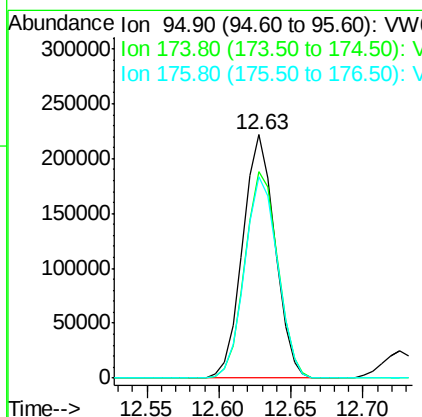
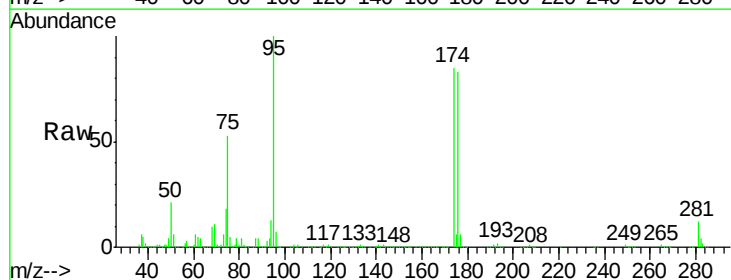
Manual Integrations
 APPROVED

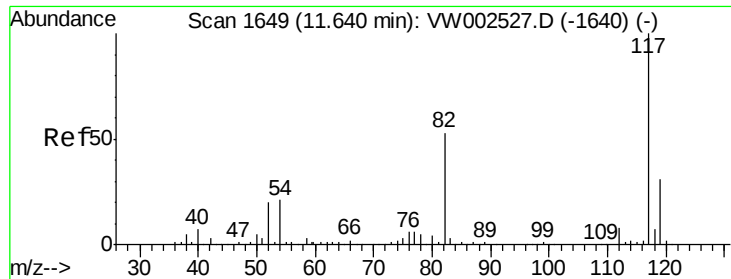
apatel
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#62
 4-Bromofluorobenzene
 Concen: 106.40 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.5	0.0	176.6
176	84.5	0.0	172.2





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.64 min Scan# 1649

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

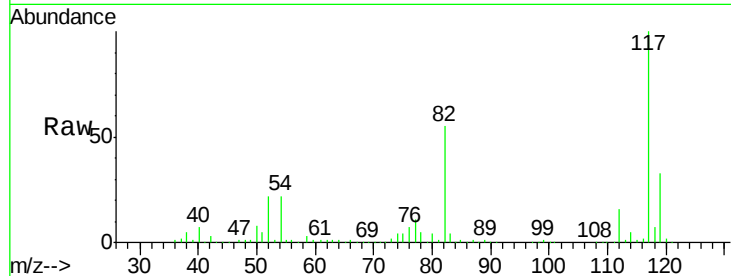
ClientSampled :

VSTDIC100

Tot Ion:	117	Resp:	342248
Ion Ratio	Lower	Upper	
117	100		
82	55.1	42.6	64.0
119	32.7	25.0	37.6

Manual Integrations
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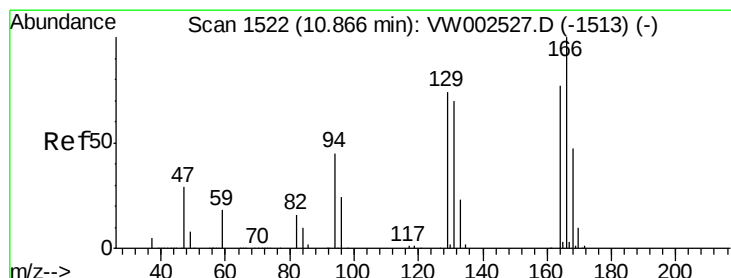
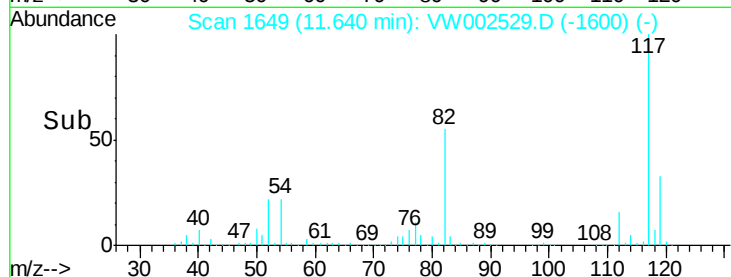
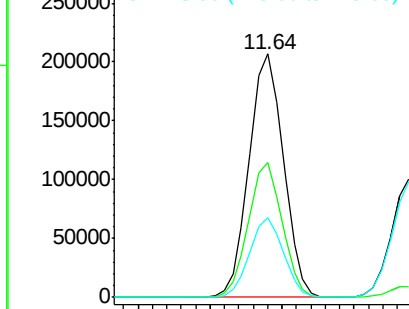


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 90.22 ug/l

RT: 10.87 min Scan# 1522

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Tgt Ion:	164	Resp:	234405
Ion Ratio	Lower	Upper	
164	100		
166	128.7	104.2	156.2
129	93.1	77.0	115.4
131	88.5	73.1	109.7

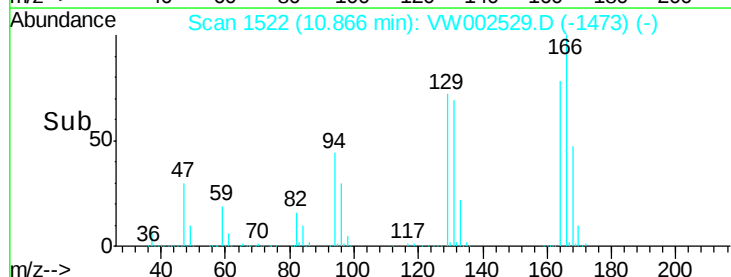
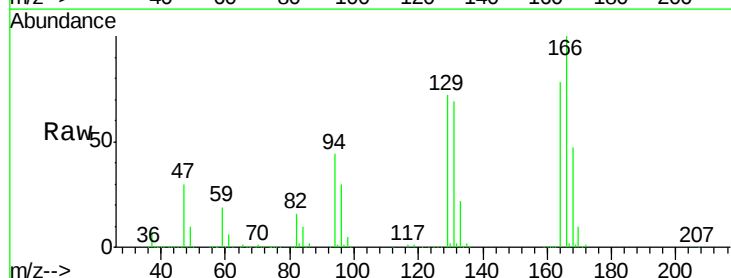
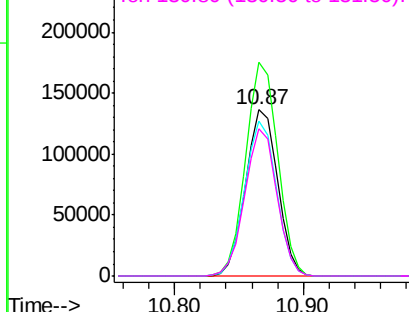
Abundance

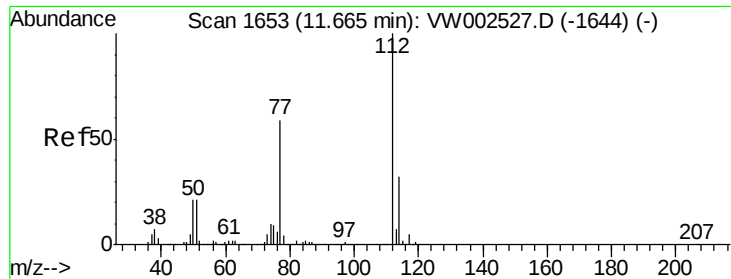
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 96.31 ug/l

RT: 11.66 min Scan# 1653

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC100

Tot Ion:112 Resp: 669824

Ion Ratio Lower Upper

112 100

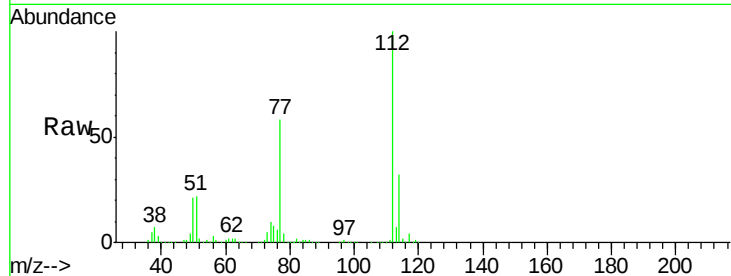
114 32.2 25.3 37.9

Manual Integrations

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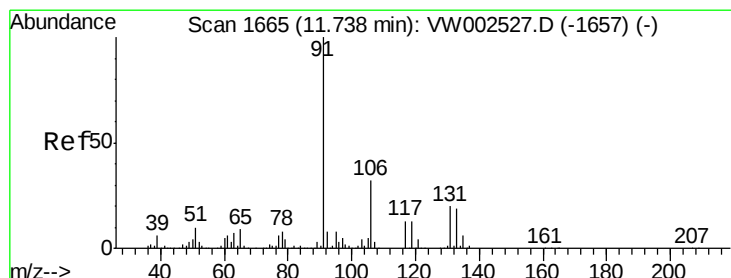
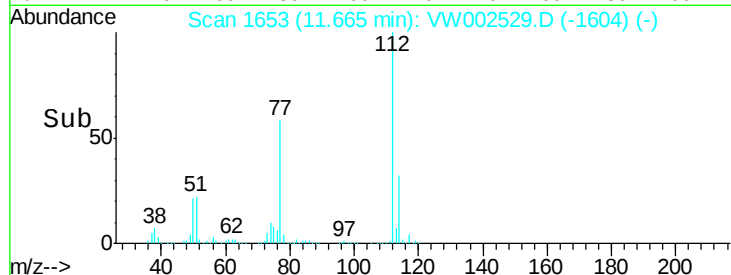
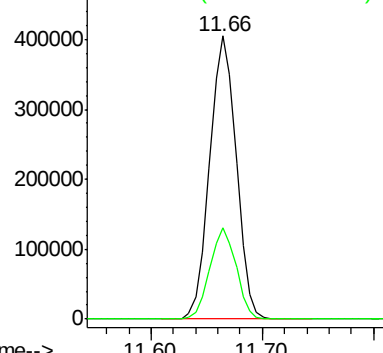
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 101.26 ug/l

RT: 11.74 min Scan# 1665

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

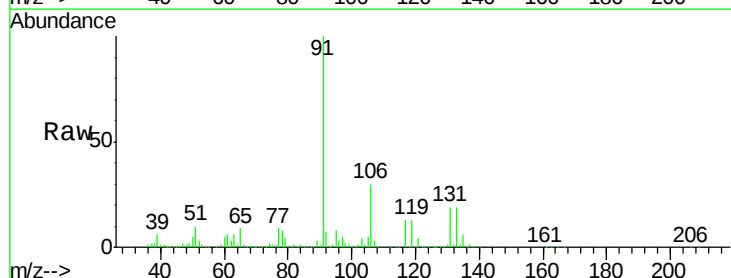
Tgt Ion:131 Resp: 251658

Ion Ratio Lower Upper

131 100

133 94.8 48.4 145.3

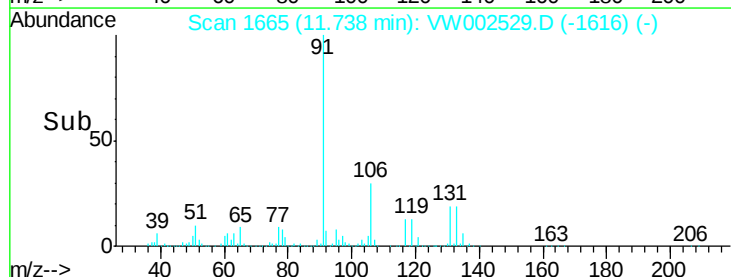
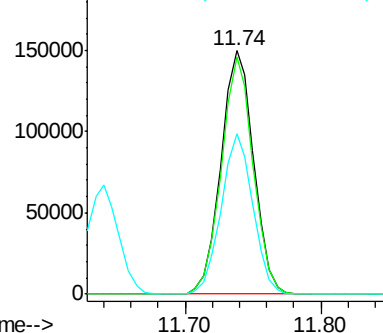
119 64.1 32.2 96.6

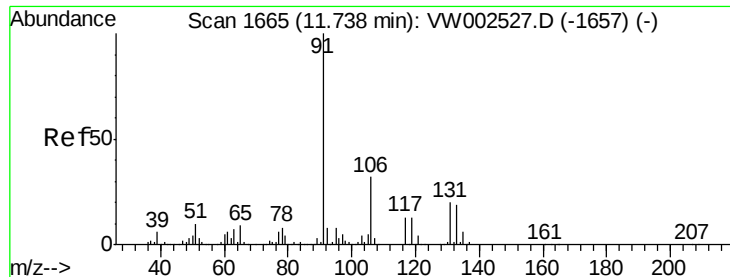


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





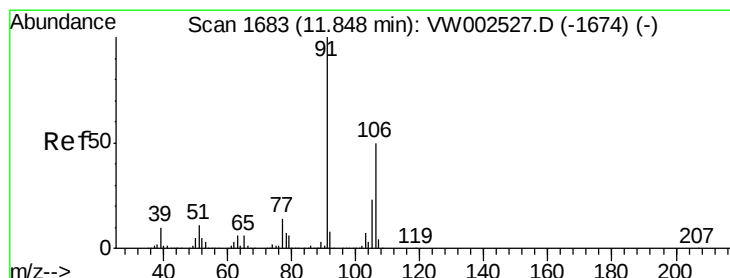
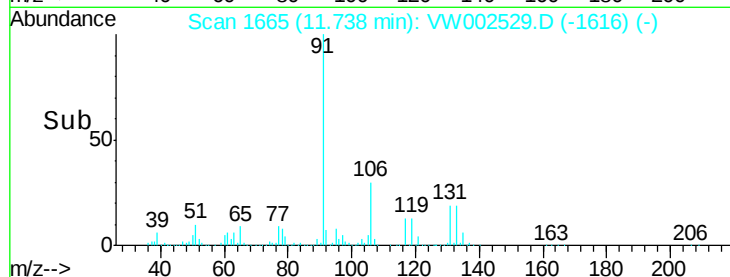
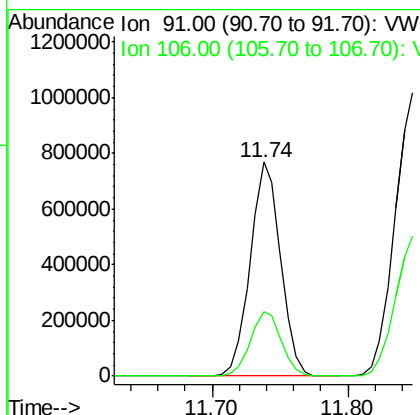
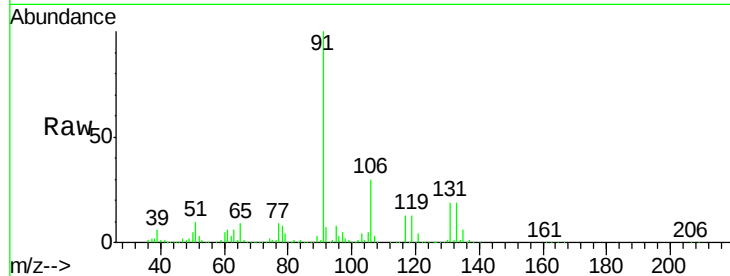
#67
Ethyl Benzene
Concen: 100.22 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion: 91 Resp: 1200776
Ion Ratio Lower Upper
91 100
106 30.2 25.4 38.0

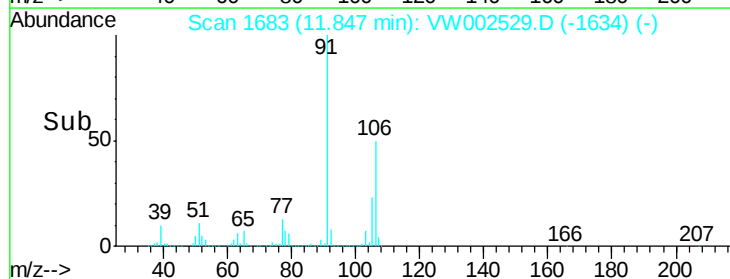
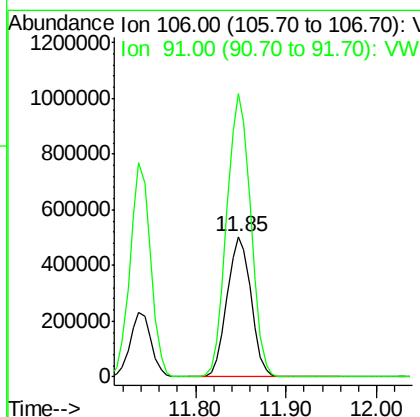
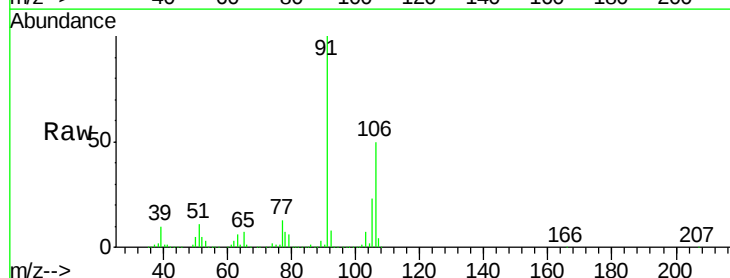
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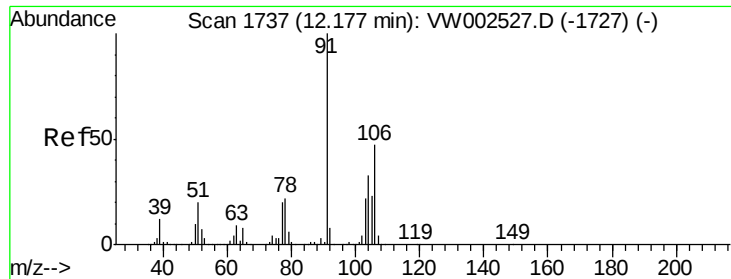
apatel
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#68
m/p-Xylenes
Concen: 199.63 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion: 106 Resp: 922185
Ion Ratio Lower Upper
106 100
91 202.2 161.4 242.2





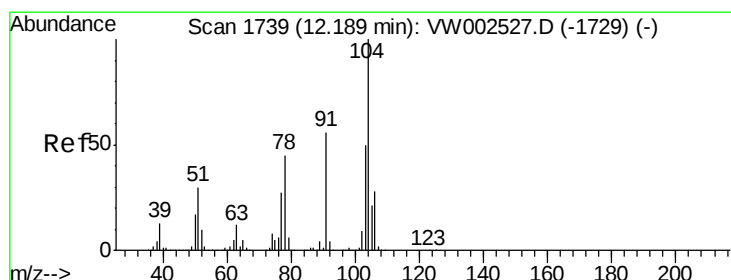
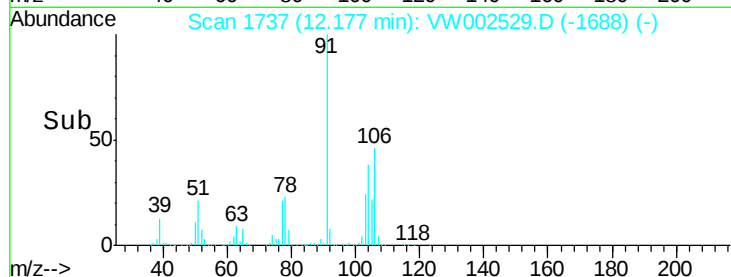
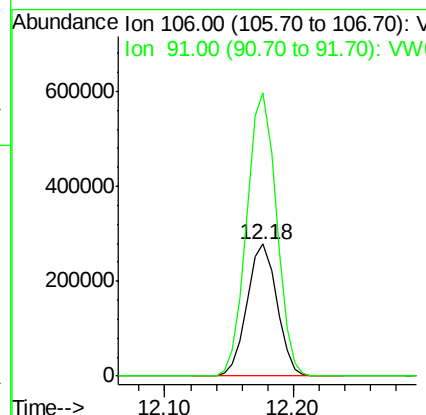
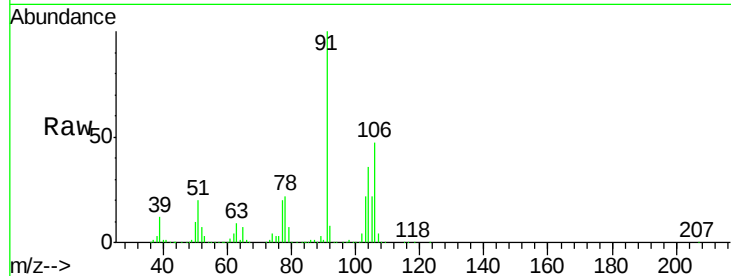
#69
o-Xylene
Concen: 100.97 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
106	100	443802		
91	214.0	106.7	320.2	

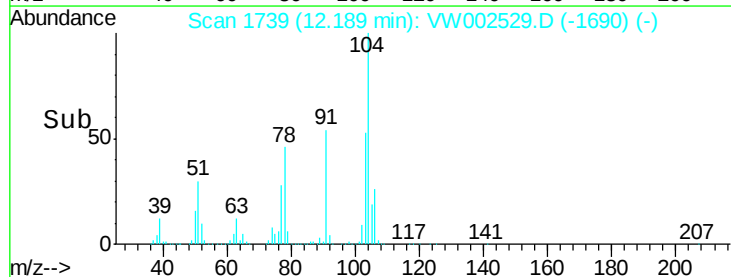
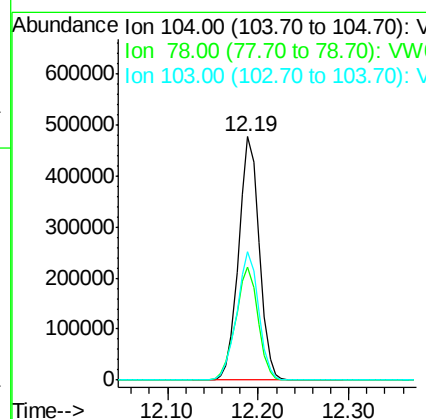
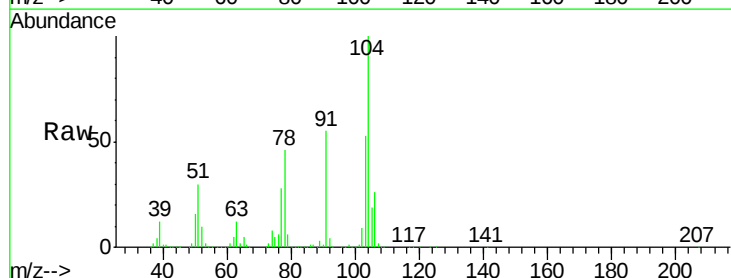
Manual Integrations
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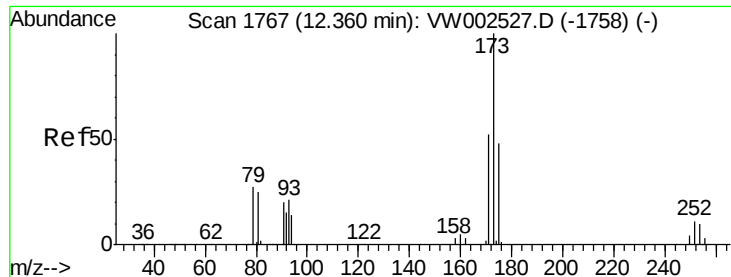
apatel
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#70
Styrene
Concen: 103.13 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	751945		
78	50.3	40.1	60.1	
103	55.8	44.6	66.8	





#71

Bromoform

Concen: 104.90 ug/l

RT: 12.36 min Scan# 1767

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

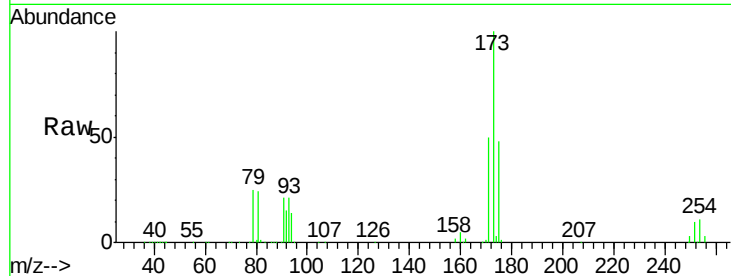
ClientSampleId :

VSTDIC100

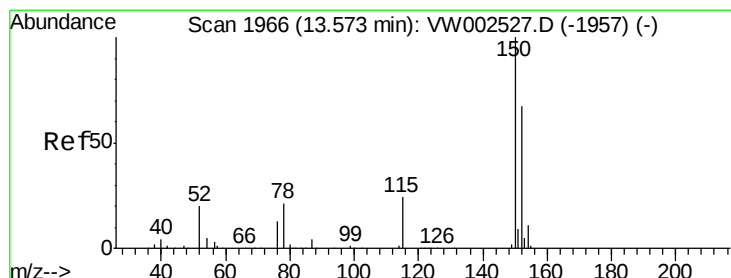
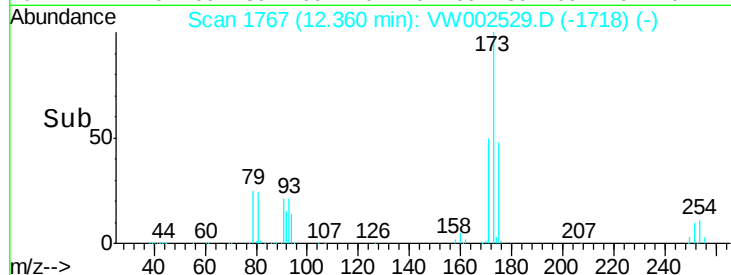
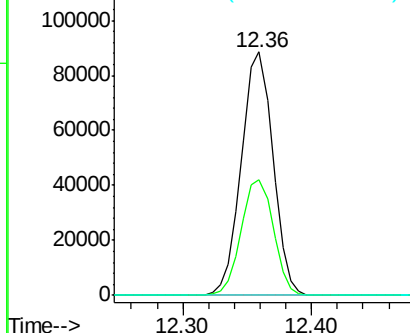
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.5	73.5
254	0.0	0.1	0.1#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

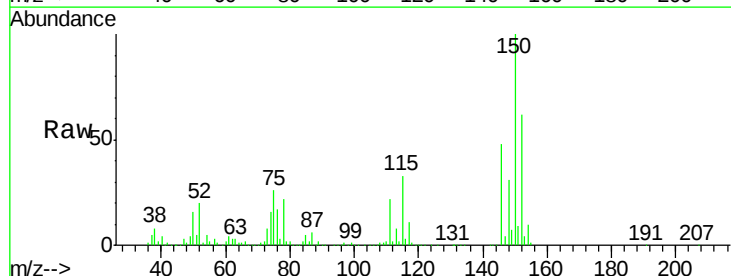
RT: 13.57 min Scan# 1966

Delta R.T. -0.00 min

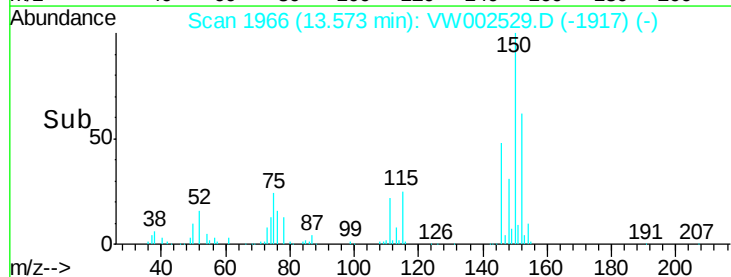
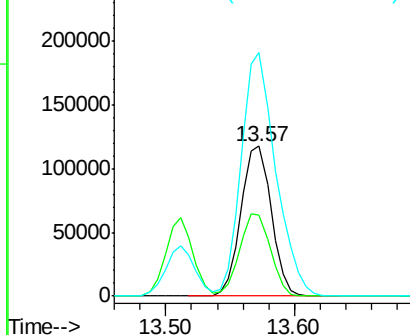
Lab File: VW002529.D

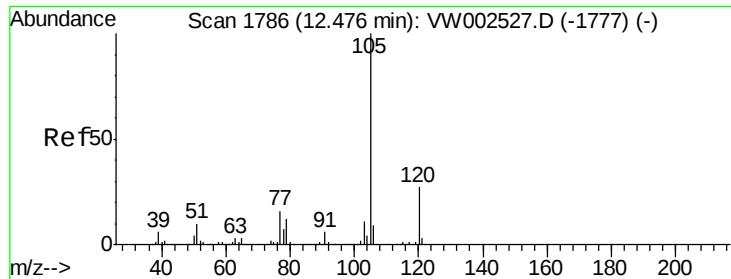
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.0	84.0
150	185.0	0.0	345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





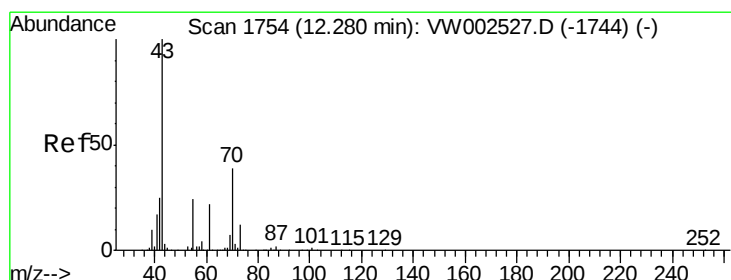
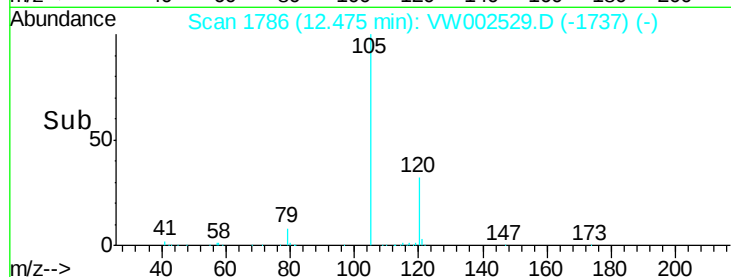
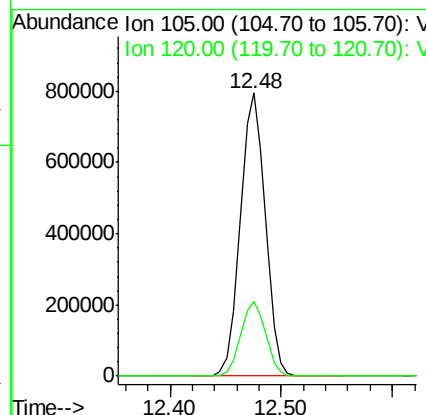
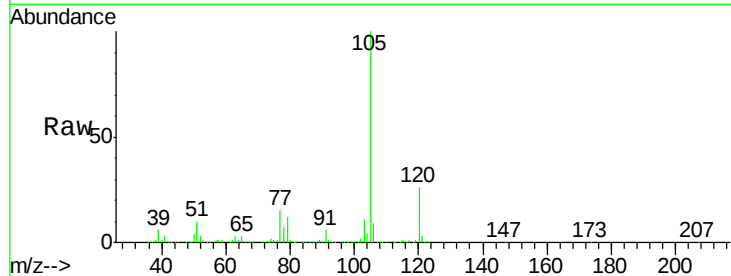
#73
Isopropylbenzene
Concen: 98.96 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:105 Resp: 1227128
Ion Ratio Lower Upper
105 100
120 26.3 13.4 40.2

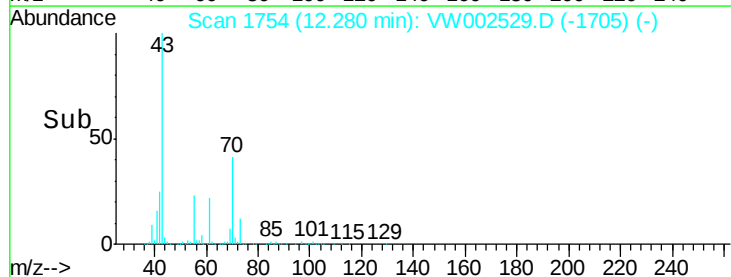
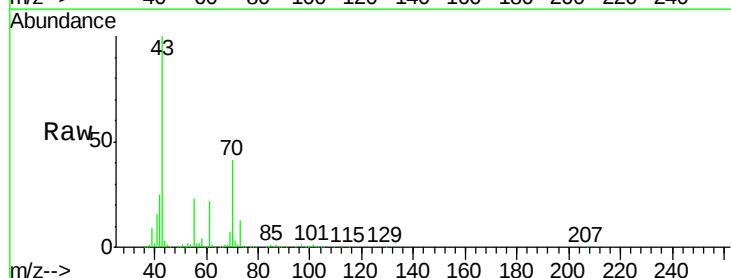
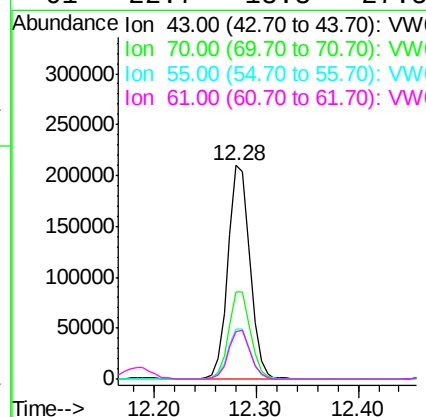
Manual Integrations
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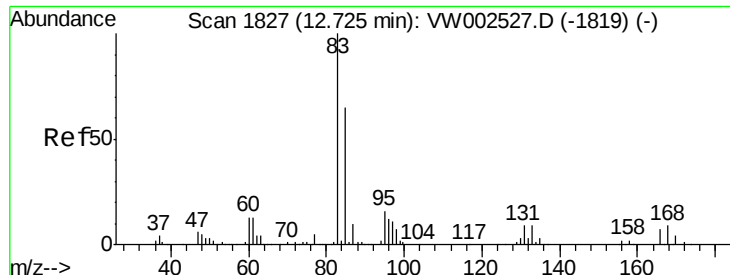
apatel
5/15/2018 6:12:03 PM



#74
N-ethyl acetate
Concen: 100.08 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion: 43 Resp: 313202
Ion Ratio Lower Upper
43 100
70 40.7 31.9 47.9
55 23.8 19.4 29.0
61 22.7 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 95.74 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

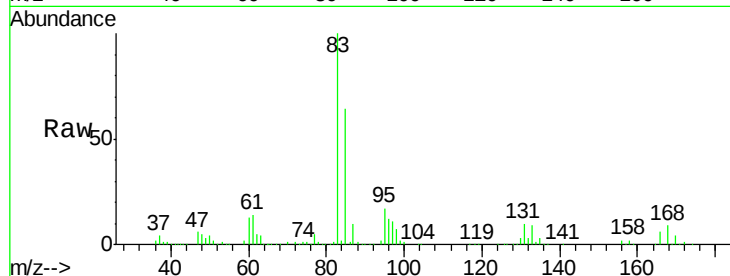
ClientSampleId :

VSTDIC100

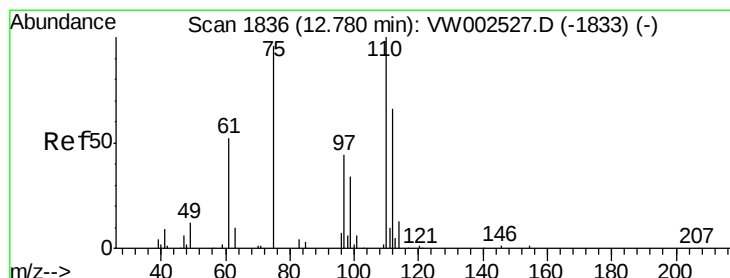
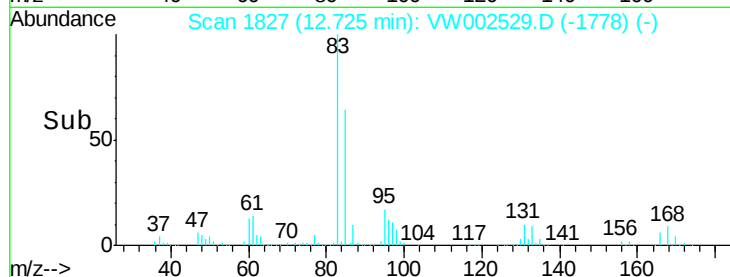
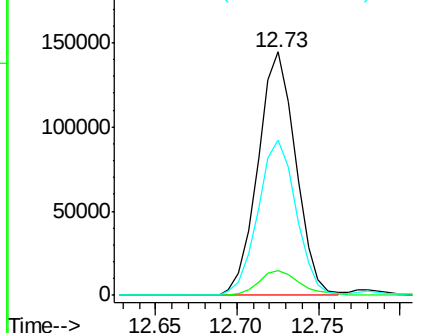
Tot Ion:	83	Resp:	232020
Ion Ratio	Lower	Upper	
83	100		
131	11.0	5.4	16.2
85	64.5	31.6	94.8

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 99.85 ug/l m

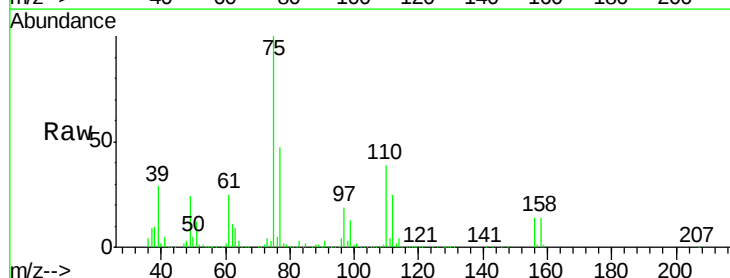
RT: 12.78 min Scan# 1836

Delta R.T. -0.00 min

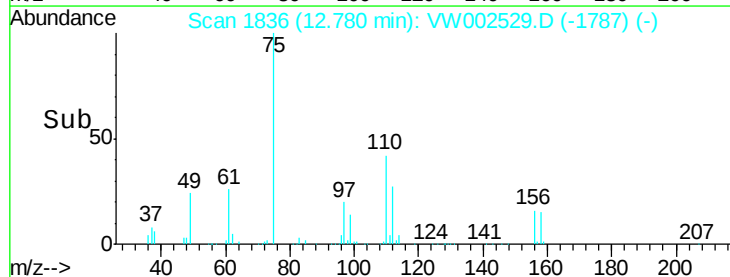
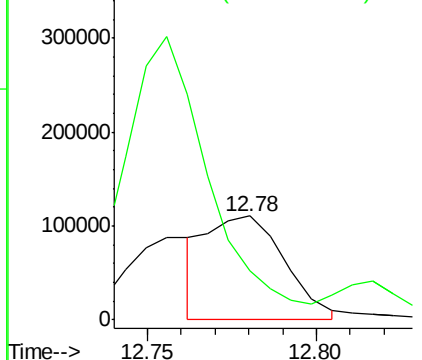
Lab File: VW002529.D

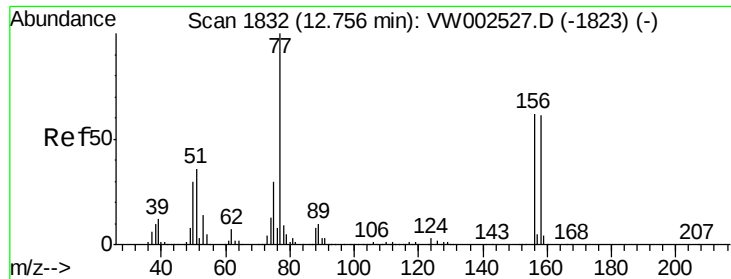
Acq: 14 May 2018 22:56

Tgt Ion:	75	Resp:	176795
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





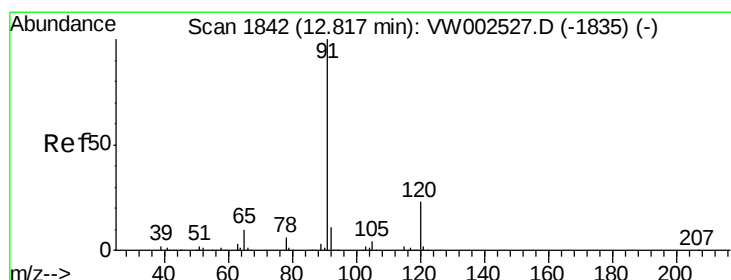
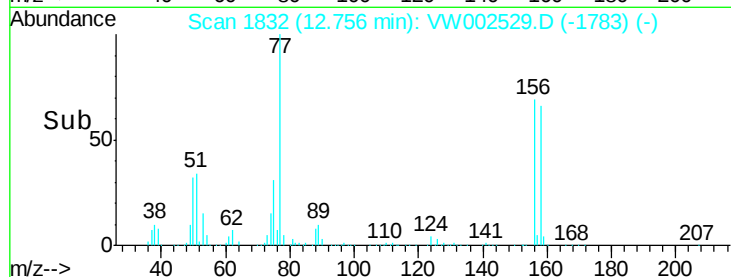
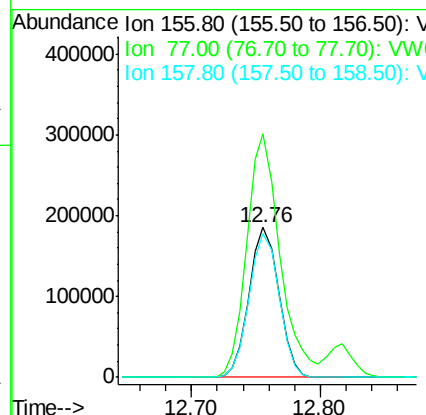
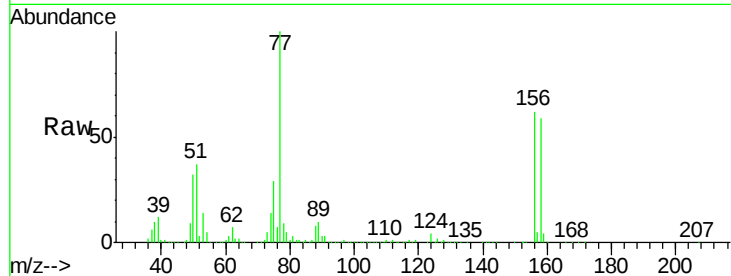
#77
Bromobenzene
Concen: 94.65 ug/l
RT: 12.76 min Scan# 1832
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
156	100		
77	181.0	89.8	269.4
158	97.3	48.8	146.3

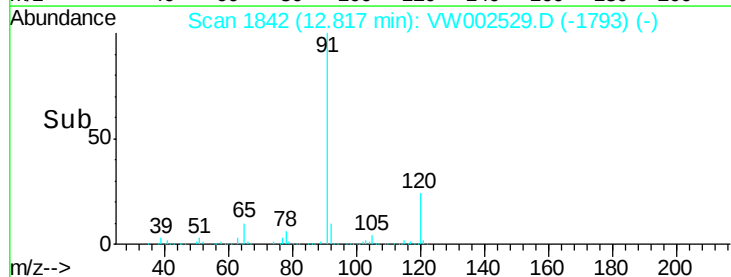
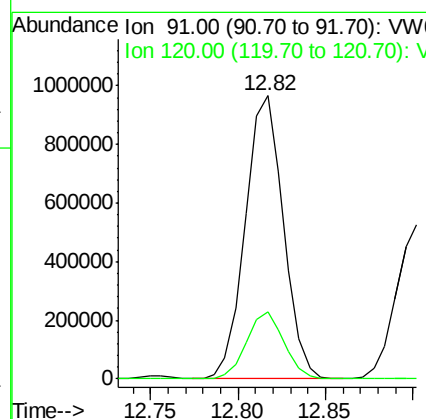
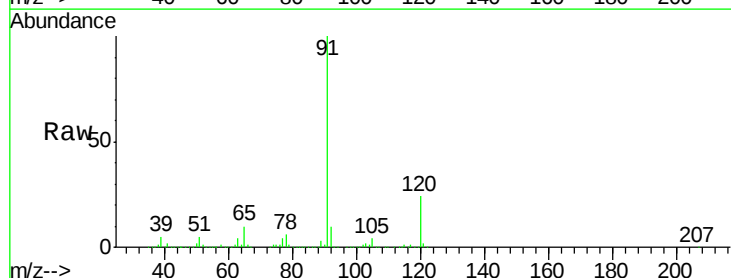
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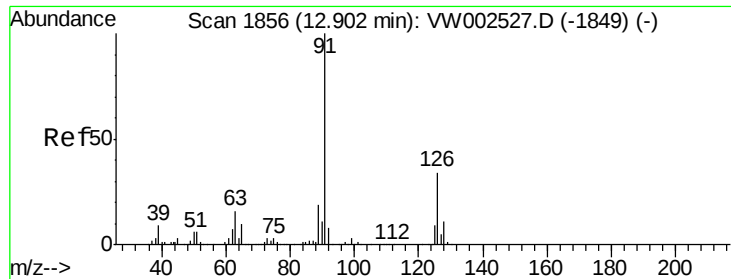
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#78
n-propylbenzene
Concen: 99.95 ug/l
RT: 12.82 min Scan# 1842
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.7	35.1





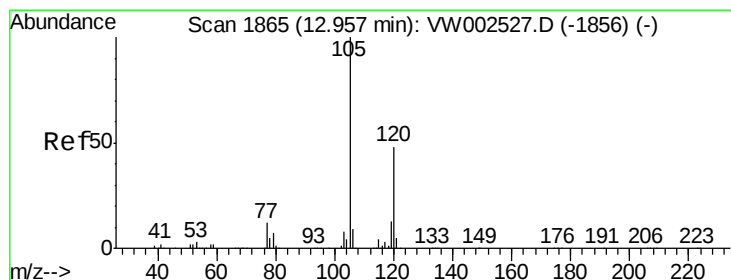
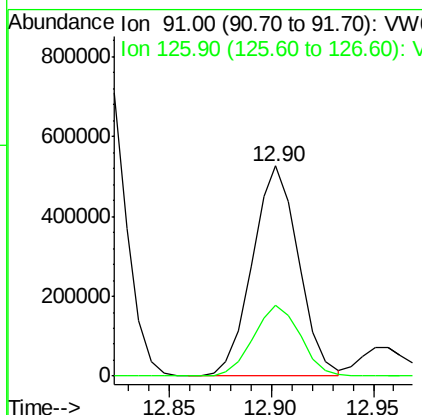
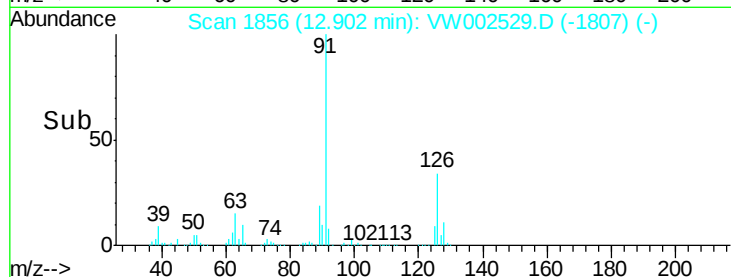
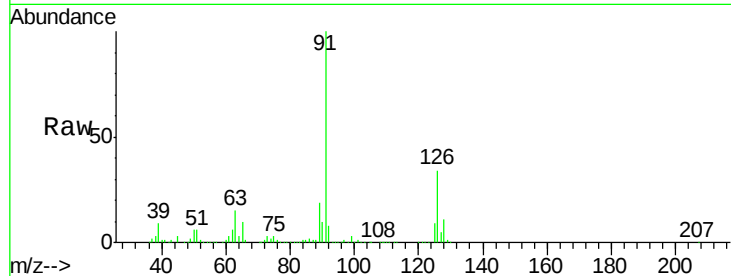
#79
 2-Chlorotoluene
 Concen: 98.10 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion: 91 Resp: 828961
 Ion Ratio Lower Upper
 91 100
 126 34.4 17.6 52.8

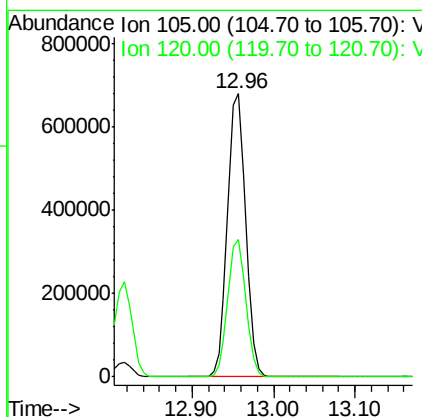
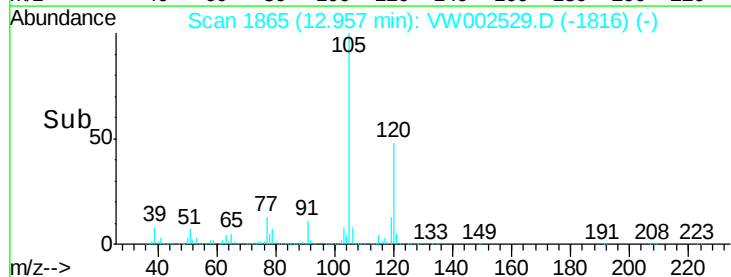
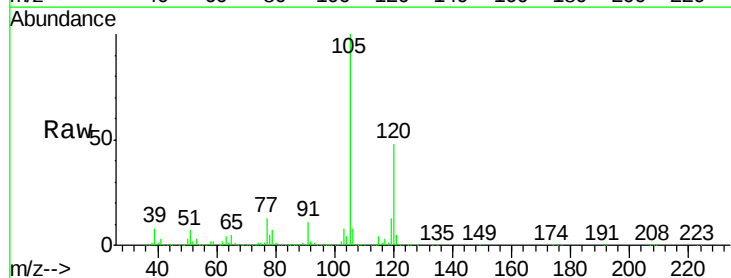
Manual Integrations
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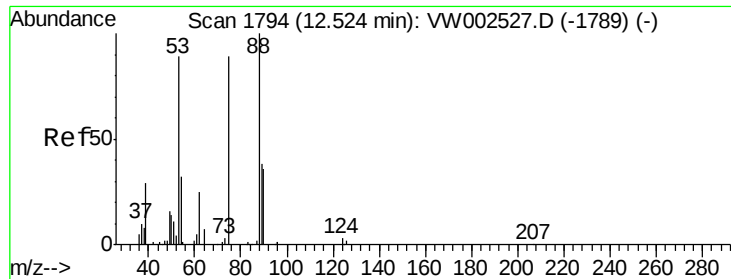
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 99.67 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion: 105 Resp: 1040426
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.6 73.8





#81

trans-1,4-Dichloro-2-butene

Concen: 109.10 ug/l

RT: 12.52 min Scan# 1793

Delta R.T. -0.01 min

Lab File: VW002529.D

Acq: 14 May 2018 22:56

Instrument :

MSVOA_W

ClientSampled :

VSTDIC100

Tot Ion: 75 Resp: 71088

Ion Ratio Lower Upper

75 100

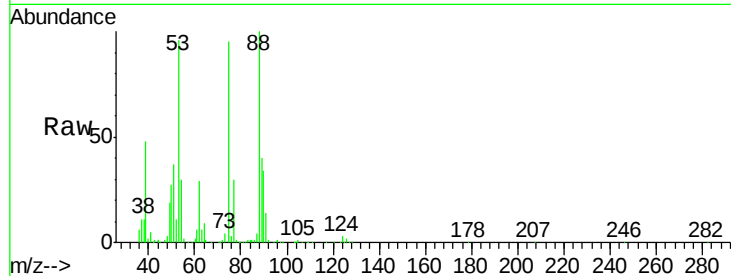
53 102.7 82.6 124.0

89 46.1 39.2 58.8

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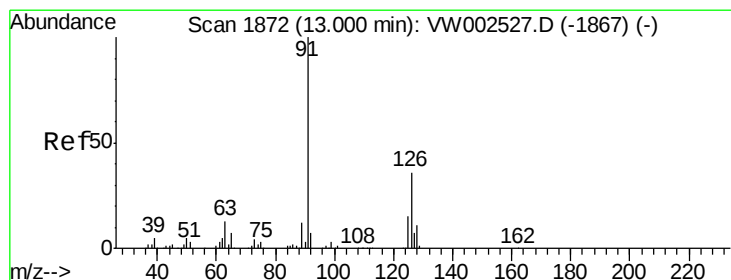
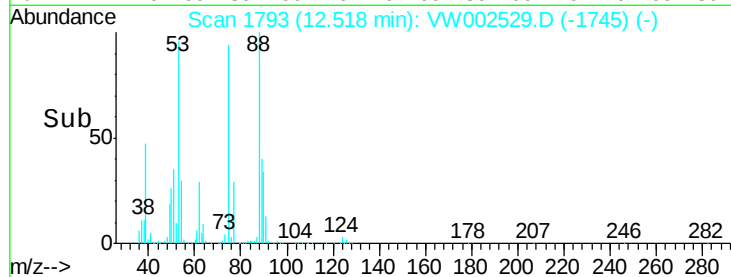
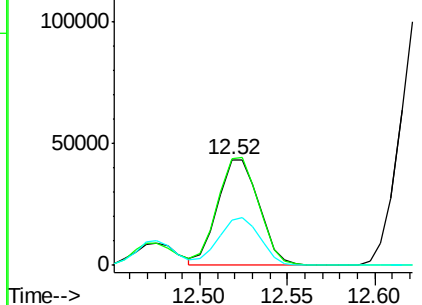
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Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 53.00 (52.70 to 53.70): VW

Ion 88.90 (88.60 to 89.60): VW



#82

4-Chlorotoluene

Concen: 98.20 ug/l

RT: 13.00 min Scan# 1872

Delta R.T. -0.00 min

Lab File: VW002529.D

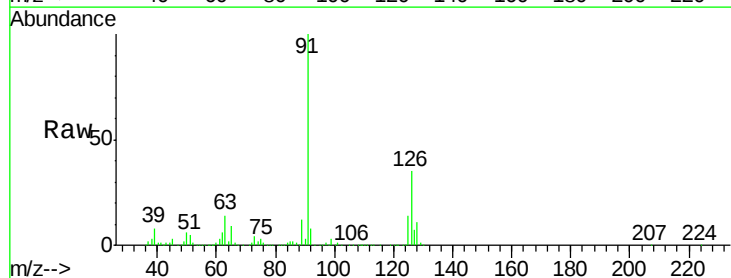
Acq: 14 May 2018 22:56

Tgt Ion: 91 Resp: 883965

Ion Ratio Lower Upper

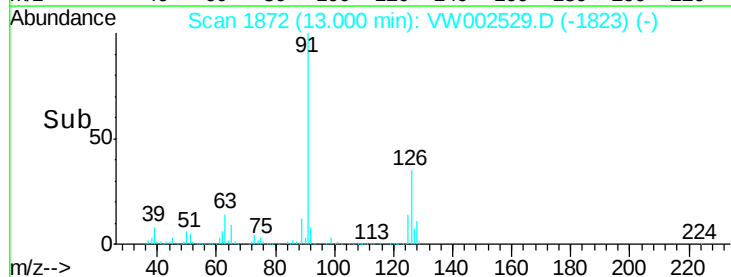
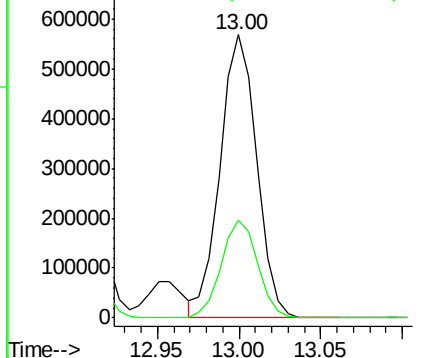
91 100

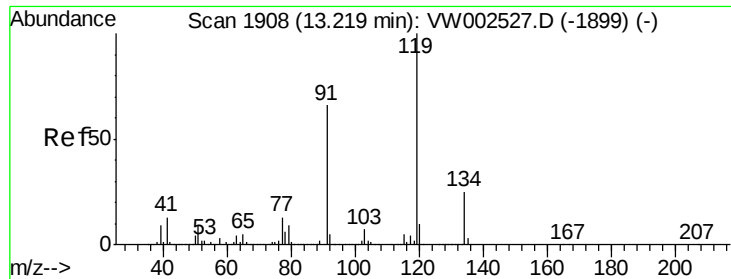
126 34.4 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): VW





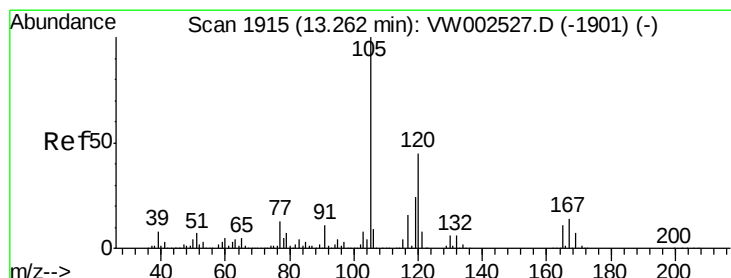
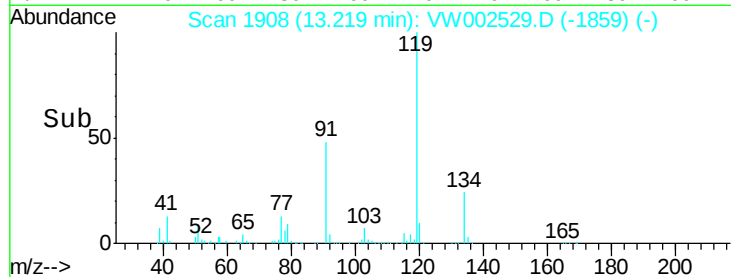
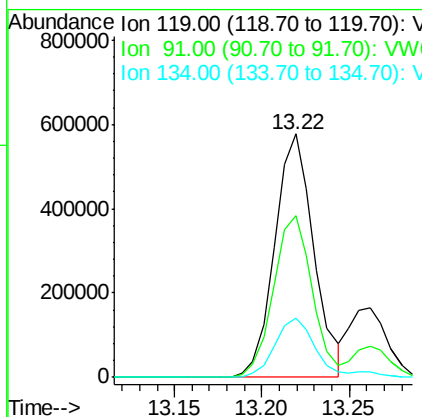
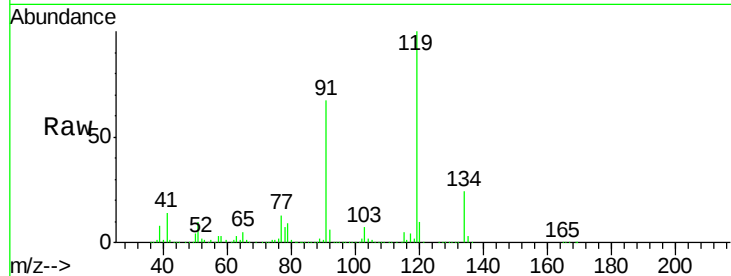
#83
tert-Butylbenzene
Concen: 100.42 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
119	100	901131		
91	65.8	32.5	97.5	
134	26.0	13.2	39.6	

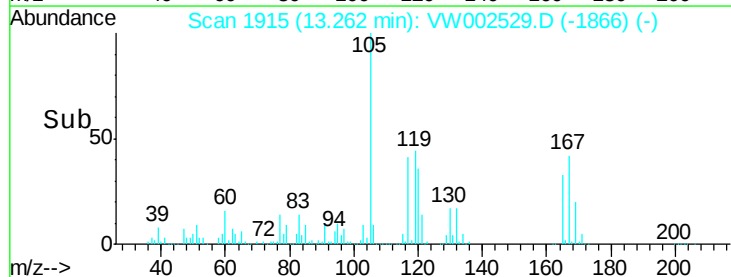
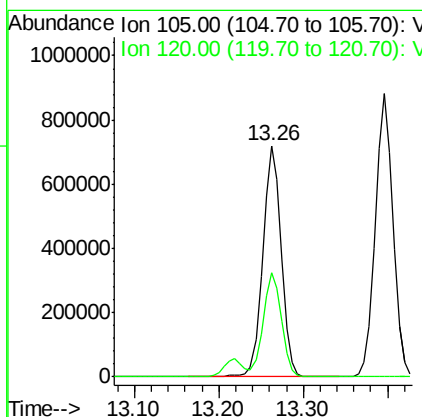
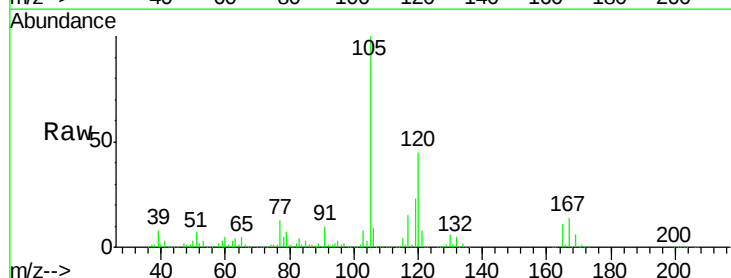
Manual Integrations
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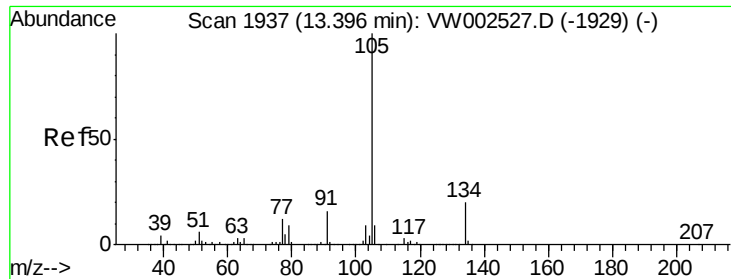
apatel
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#84
1,2,4-Trimethylbenzene
Concen: 99.88 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1081536		
120	44.7	22.3	66.9	





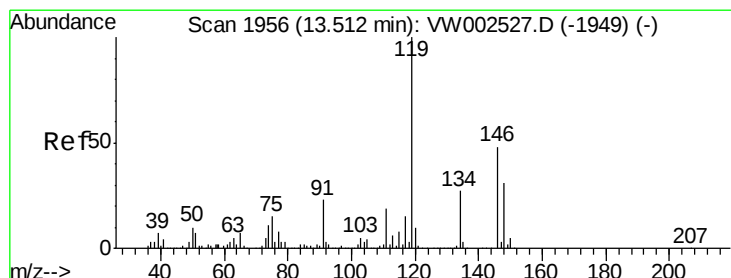
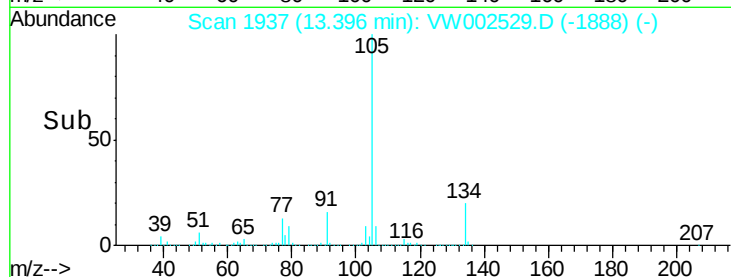
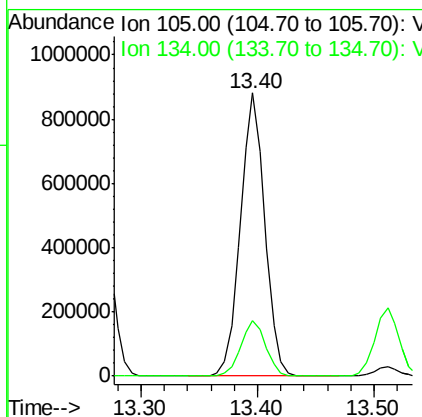
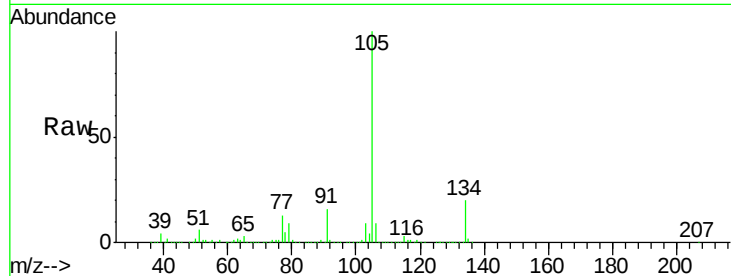
#85
 sec-Butylbenzene
 Concen: 100.15 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1286806
 Ion Ratio Lower Upper
 105 100
 134 20.0 10.1 30.3

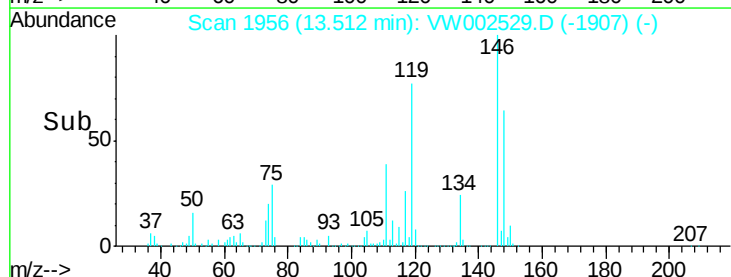
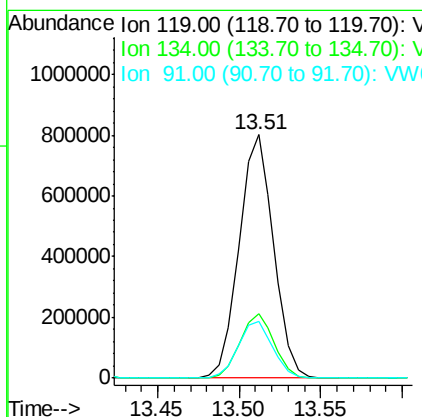
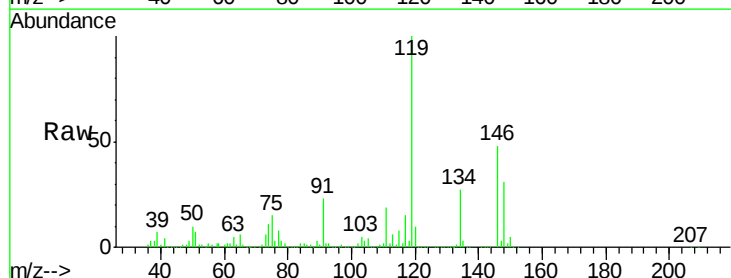
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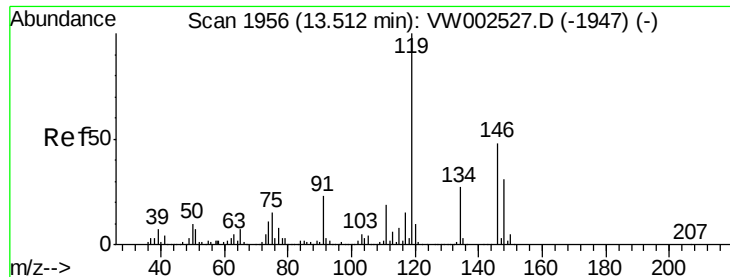
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#86
 p-Isopropyltoluene
 Concen: 101.95 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion:119 Resp: 1173745
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.4 40.1
 91 23.4 11.6 34.8





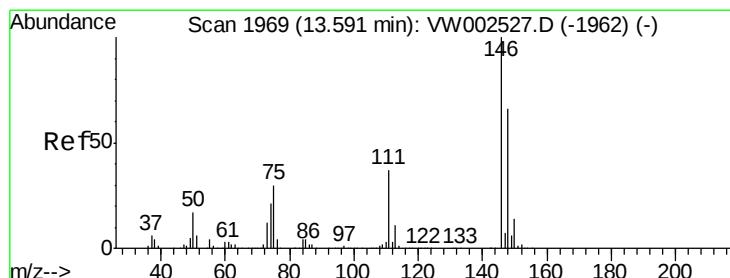
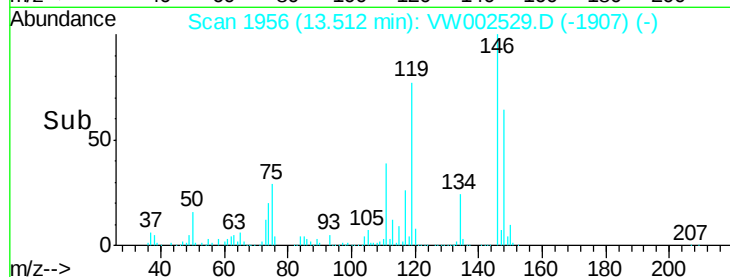
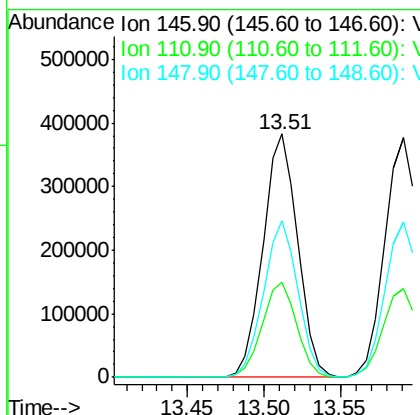
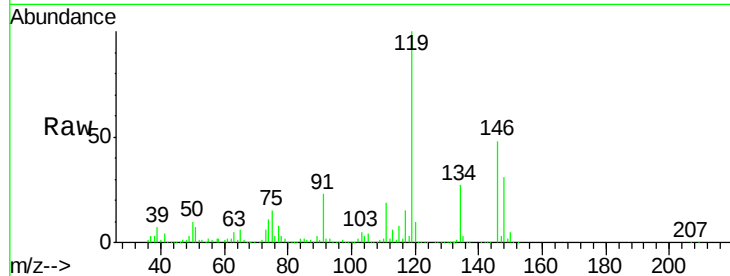
#87
 1,3-Dichlorobenzene
 Concen: 97.46 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100	603456		
111	39.0		19.6	58.7
148	63.8		32.3	96.8

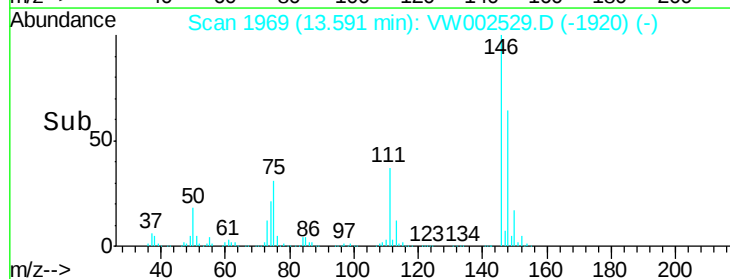
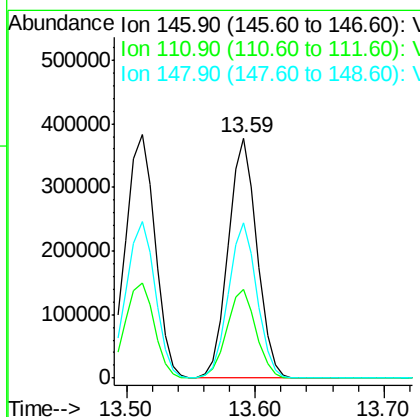
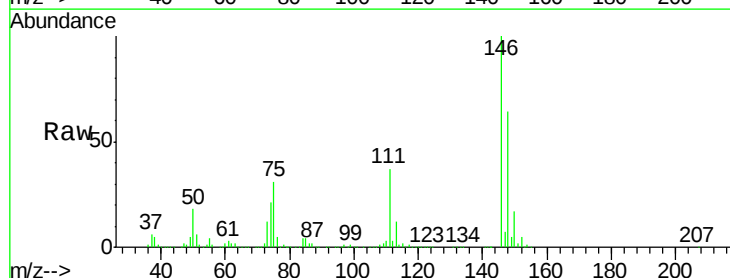
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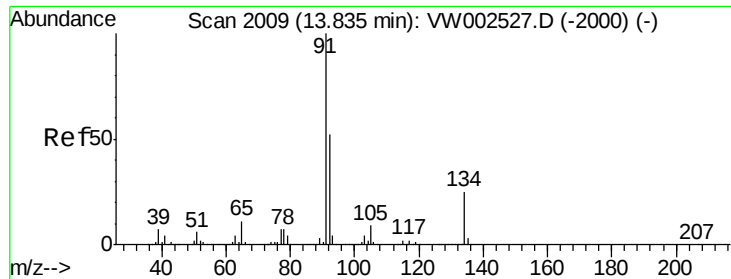
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#88
 1,4-Dichlorobenzene
 Concen: 95.21 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	589002		
111	37.7		18.9	56.5
148	64.1		32.4	97.0





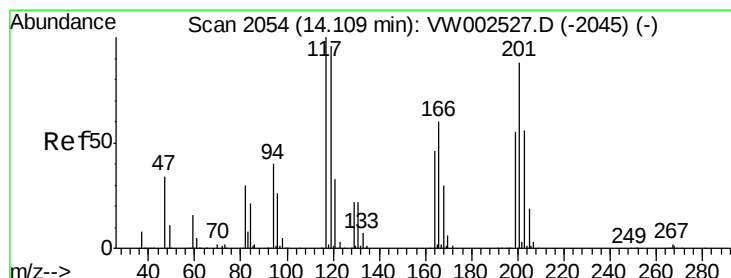
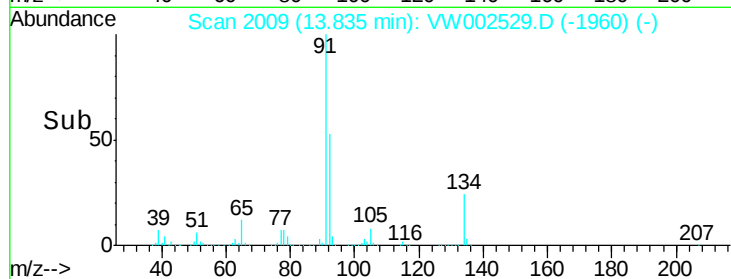
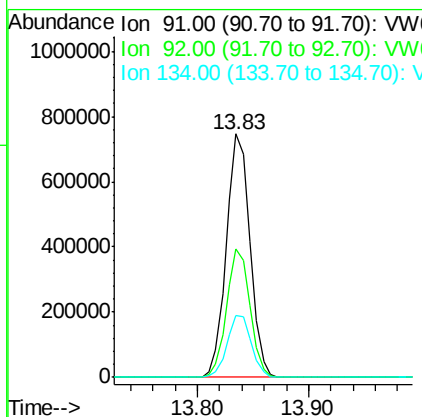
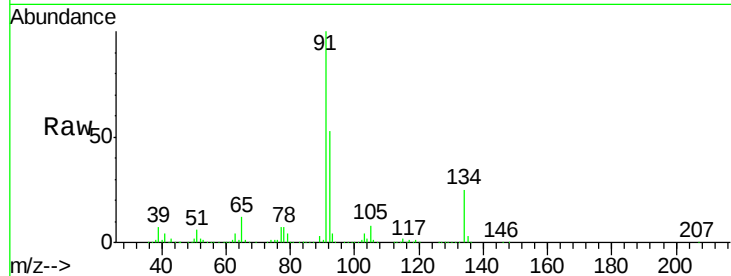
#89
n-Butylbenzene
Concen: 101.79 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.3	26.1	78.2
134	25.9	13.1	39.1

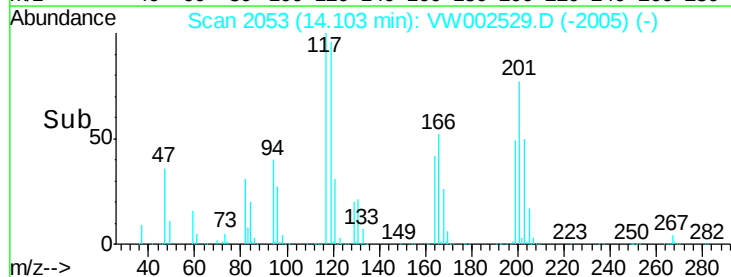
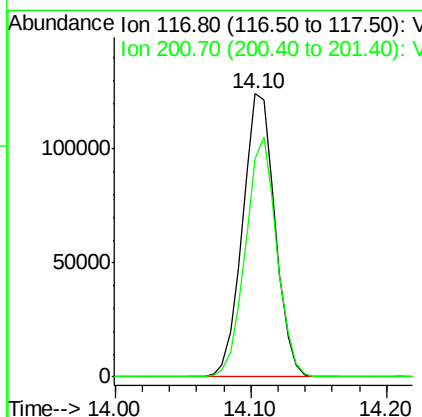
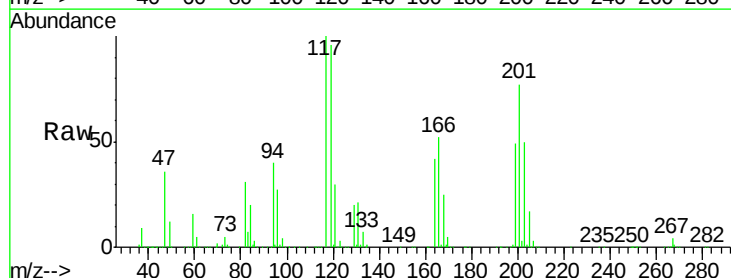
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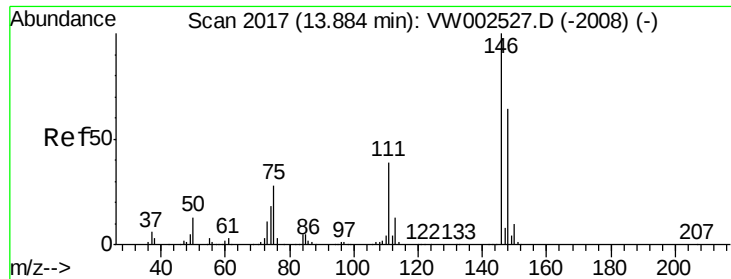
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#90
Hexachloroethane
Concen: 100.73 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.01 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.5	42.0	126.0





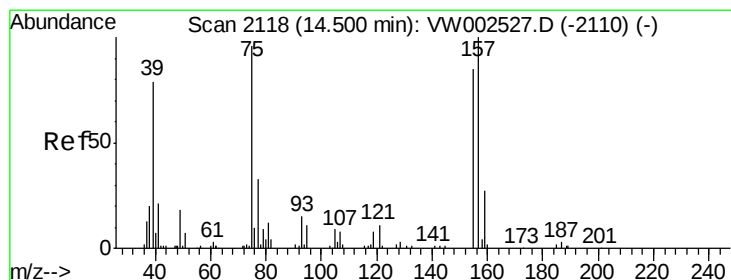
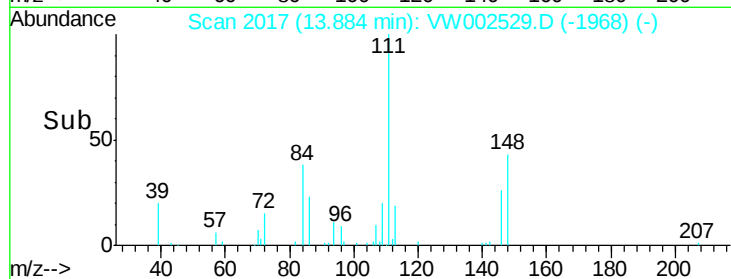
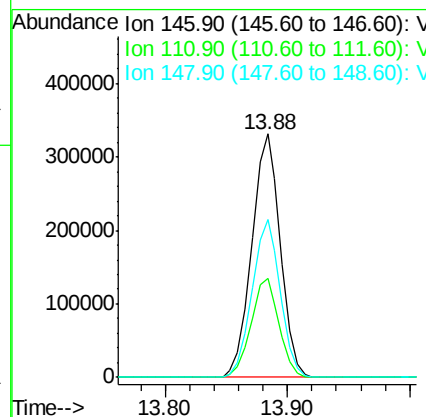
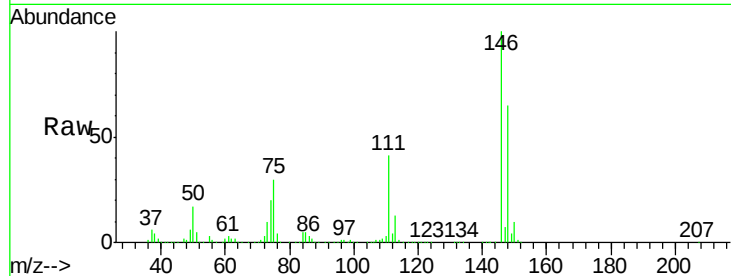
#91
1,2-Dichlorobenzene
Concen: 94.95 ug/l
RT: 13.88 min Scan# 2017
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampled :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	40.2	19.9	59.6	
148	64.2	32.1	96.3	

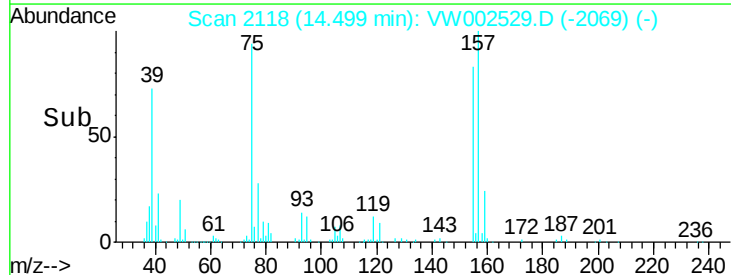
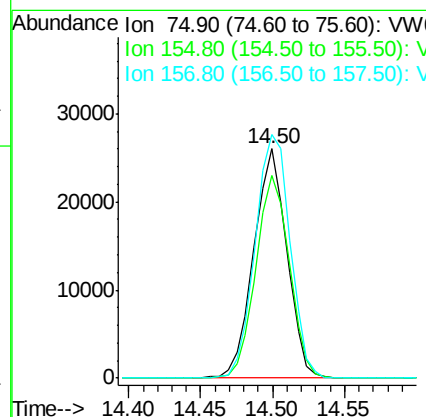
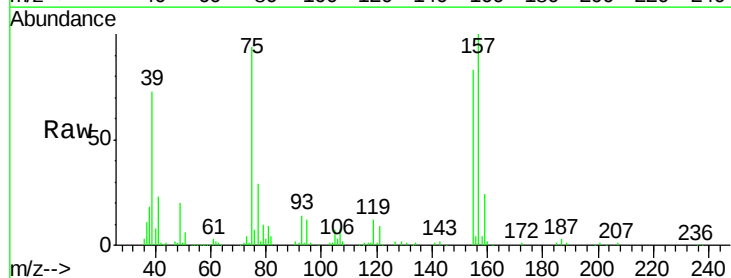
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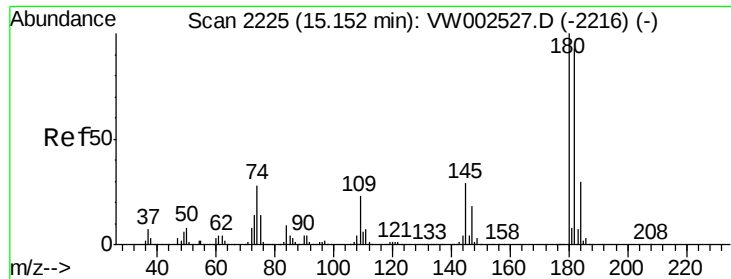
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#92
1,2-Dibromo-3-Chloropropane
Concen: 98.59 ug/l
RT: 14.50 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	89.2	42.8	128.4	
157	111.8	57.4	172.0	





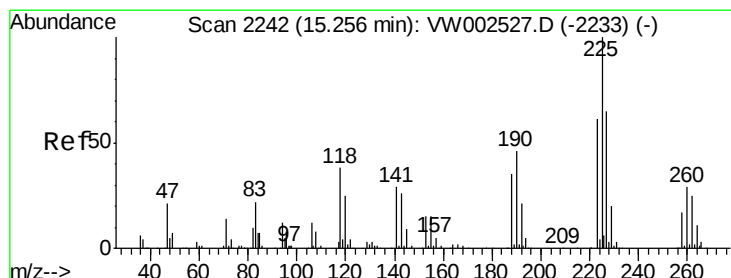
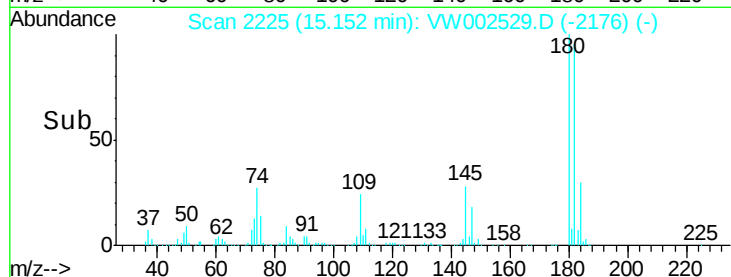
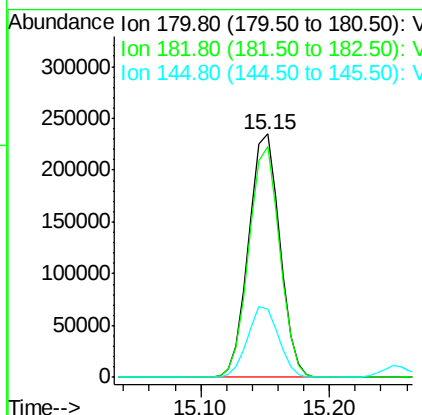
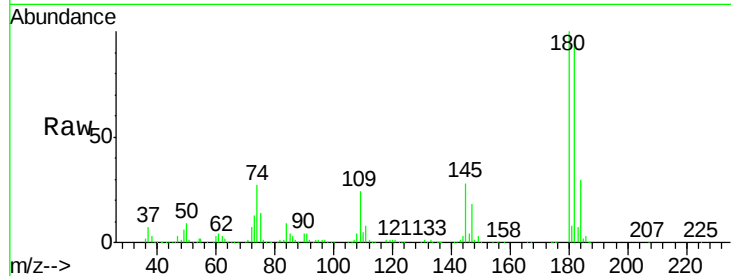
#93
 1,2,4-Trichlorobenzene
 Concen: 97.05 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	392241		
182	93.9	47.2	141.6	
145	29.1	14.9	44.9	

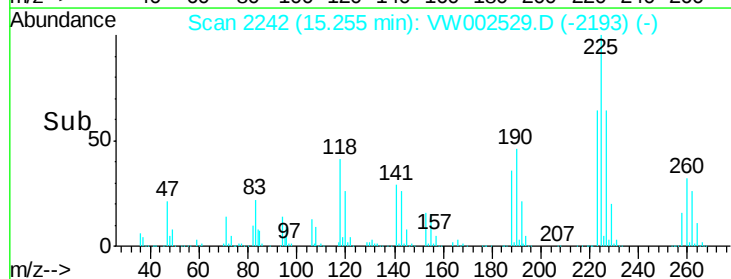
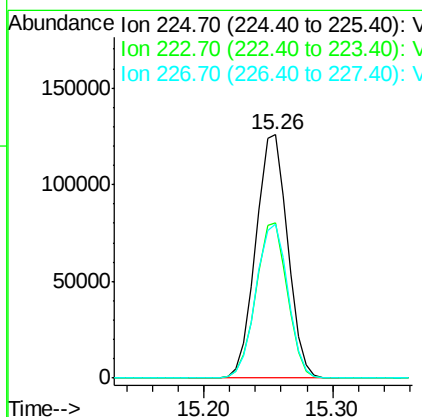
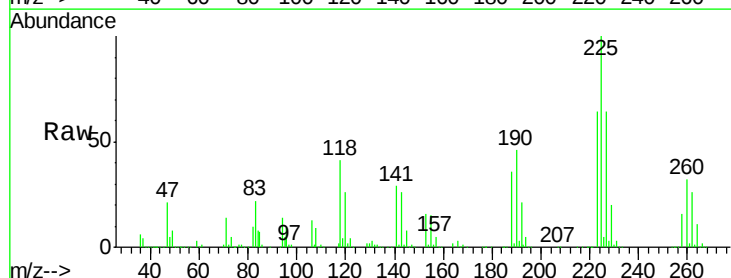
Manual Integrations
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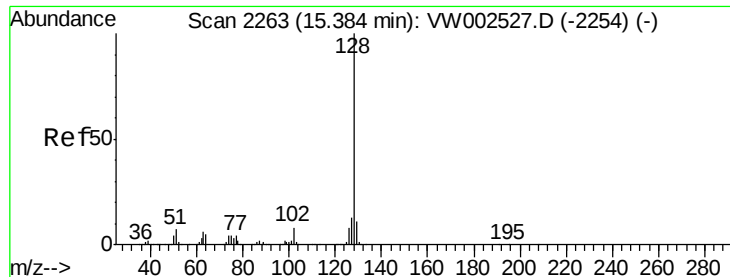
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#94
 Hexachlorobutadiene
 Concen: 95.31 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VW002529.D
 Acq: 14 May 2018 22:56

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	214471		
223	63.0	31.3	93.9	
227	63.8	31.9	95.5	





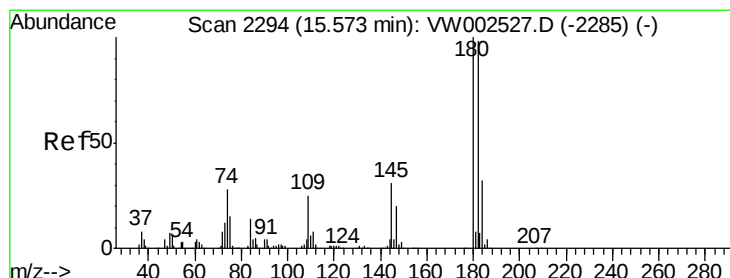
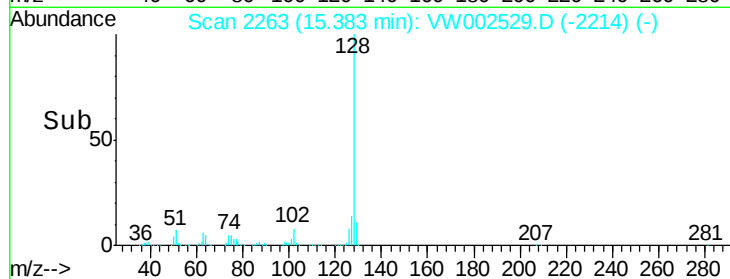
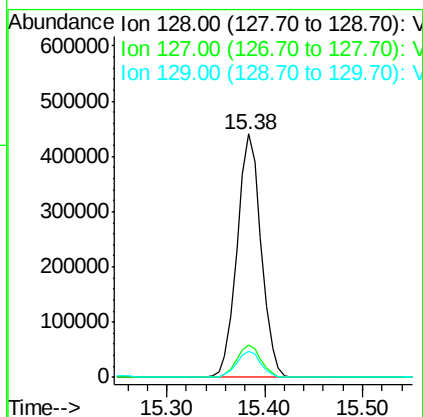
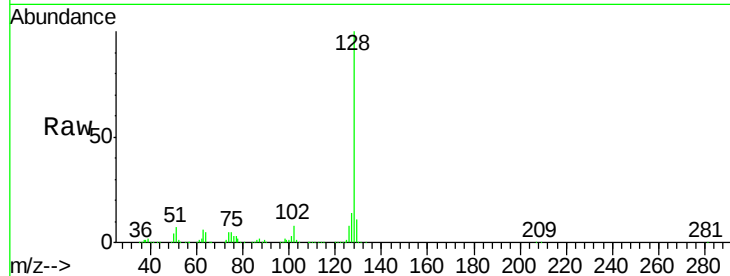
#95
Naphthalene
Concen: 100.45 ug/l
RT: 15.38 min Scan# 2263
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC100

Tot Ion:	128	Resp:	749476
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.6	15.8
129	10.7	8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 94.97 ug/l
RT: 15.57 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VW002529.D
Acq: 14 May 2018 22:56

Tgt Ion:	180	Resp:	344418
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.3	141.8
145	31.3	15.5	46.5

