

Data Path : W:\HPCHEM1\MSVOA W\DATA\VW051518\
 Data File : VW002525.D
 Acq On : 14 May 2018 21:16
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Manual Integrations
 APPROVED

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 5/15/2018 5:56:20 PM

Quant Time: May 15 03:14:38 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	232270	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	347098	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	321944	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	176997	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	23722	9.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.38%	
35) Dibromofluoromethane	7.88	113	21311	9.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.28%	
50) Toluene-d8	10.33	98	80620	9.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	19.08%	
62) 4-Bromofluorobenzene	12.63	95	28627	9.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	18.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	9423m	10.80	ug/l	
3) Chloromethane	2.21	50	17848	10.17	ug/l	96
4) Vinyl Chloride	2.36	62	26459	9.19	ug/l	96
5) Bromomethane	2.77	94	22093	9.47	ug/l	95
6) Chloroethane	2.92	64	17724	9.04	ug/l	93
7) Trichlorofluoromethane	3.25	101	11603	9.68	ug/l	87
8) Diethyl Ether	3.67	74	13357	9.89	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	19644	9.38	ug/l	95
10) Methyl Iodide	4.26	142	32836	9.74	ug/l	98
11) Tert butyl alcohol	5.20	59	9254	50.53	ug/l	98
12) 1,1-Dichloroethene	4.03	96	20345	9.85	ug/l	95
13) Acrolein	3.89	56	9463	60.41	ug/l	97
14) Allyl chloride	4.65	41	29676	9.74	ug/l	99
15) Acrylonitrile	5.36	53	25732	48.71	ug/l	97
16) Acetone	4.12	43	27647	56.58	ug/l	99
17) Carbon Disulfide	4.37	76	55947	9.40	ug/l	99
18) Methyl Acetate	4.67	43	13590	9.30	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	36223	9.88	ug/l	99
20) Methylene Chloride	4.90	84	24546	10.70	ug/l	97
21) trans-1,2-Dichloroethene	5.41	96	21550	9.65	ug/l	96
22) Diisopropyl ether	6.31	45	62944	9.39	ug/l	97
23) Vinyl Acetate	6.26	43	189216	46.92	ug/l	100
24) 1,1-Dichloroethane	6.21	63	39263	9.68	ug/l	96
25) 2-Butanone	7.18	43	36962	51.24	ug/l	95
26) 2,2-Dichloropropane	7.16	77	23139	11.26	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	24444	9.67	ug/l	97
28) Bromochloromethane	7.51	49	17372	9.42	ug/l	99
29) Tetrahydrofuran	7.54	42	21468	45.61	ug/l	99
30) Chloroform	7.67	83	41837	9.83	ug/l	96
31) Cyclohexane	7.95	56	36533	10.12	ug/l	# 90
32) 1,1,1-Trichloroethane	7.87	97	31297	9.75	ug/l	97
36) 1,1-Dichloropropene	8.08	75	31157	9.95	ug/l	98
37) Ethyl Acetate	7.26	43	15955	10.36	ug/l	97
38) Carbon Tetrachloride	8.07	117	31030	10.22	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	35502	9.75	ug/l	97
40) Benzene	8.32	78	89938	9.88	ug/l	99
41) Methacrylonitrile	7.48	41	8700	10.06	ug/l	99
42) 1,2-Dichloroethane	8.40	62	28662	10.03	ug/l	100
43) Isopropyl Acetate	8.43	43	28342	9.70	ug/l	97
44) Trichloroethene	9.09	130	25156	10.10	ug/l	98
45) 1,2-Dichloropropane	9.37	63	22874	9.97	ug/l	97
46) Dibromomethane	9.46	93	13068	10.16	ug/l	98
47) Bromodichloromethane	9.65	83	29628	9.79	ug/l	98
48) Methyl methacrylate	9.44	41	14653	10.35	ug/l	94
49) 1,4-Dioxane	9.46	88	4233	204.06	ug/l	97
51) 4-Methyl-2-Pentanone	10.22	43	79463	49.11	ug/l	98
52) Toluene	10.39	92	55343	9.57	ug/l	95
53) t-1,3-Dichloropropene	10.61	75	28882	9.62	ug/l	99
54) cis-1,3-Dichloropropene	10.08	75	33316	9.77	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	18567	10.25	ug/l	95
56) Ethyl methacrylate	10.65	69	21122	9.41	ug/l	97
57) 1,3-Dichloropropane	10.94	76	29135	9.47	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.93	63	49626	45.51	ug/l	100
59) 2-Hexanone	10.98	43	54249	48.93	ug/l	98
60) Dibromochloromethane	11.13	129	20301	9.48	ug/l	96
61) 1,2-Dibromoethane	11.24	107	17255	9.77	ug/l	97
64) Tetrachloroethene	10.87	164	23300	9.53	ug/l	92
65) Chlorobenzene	11.66	112	65356	9.99	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.74	131	22775	9.74	ug/l	98
67) Ethyl Benzene	11.74	91	107543	9.54	ug/l	98
68) m/p-Xylenes	11.85	106	85111	19.59	ug/l	99
69) o-Xylene	12.18	106	39478	9.55	ug/l	99
70) Styrene	12.19	104	64919	9.47	ug/l	99
71) Bromoform	12.36	173	12898	9.55	ug/l #	95
73) Isopropylbenzene	12.48	105	107180	9.36	ug/l	99
74) N-amyl acetate	12.29	43	26525	9.18	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	22940	10.25	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	16687m	10.20	ug/l	
77) Bromobenzene	12.76	156	28366	9.81	ug/l	96
78) n-propylbenzene	12.82	91	130731	9.63	ug/l	99
79) 2-Chlorotoluene	12.90	91	74972	9.60	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	92048	9.55	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	5695	9.46	ug/l	98
82) 4-Chlorotoluene	13.00	91	80731	9.71	ug/l	100
83) tert-Butylbenzene	13.22	119	79040	9.54	ug/l	98
84) 1,2,4-Trimethylbenzene	13.26	105	96181	9.62	ug/l	98
85) sec-Butylbenzene	13.40	105	113197	9.54	ug/l	98
86) p-Isopropyltoluene	13.51	119	100416	9.44	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	57409	10.04	ug/l	97
88) 1,4-Dichlorobenzene	13.59	146	58349	10.21	ug/l	98
89) n-Butylbenzene	13.83	91	94886	9.54	ug/l	100
90) Hexachloroethane	14.10	117	18276	9.62	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	53624	10.30	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.50	75	3645	9.41	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	38677	10.36	ug/l	98
94) Hexachlorobutadiene	15.26	225	21510	10.35	ug/l	99
95) Naphthalene	15.38	128	66418	9.64	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	35090	10.47	ug/l	99

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

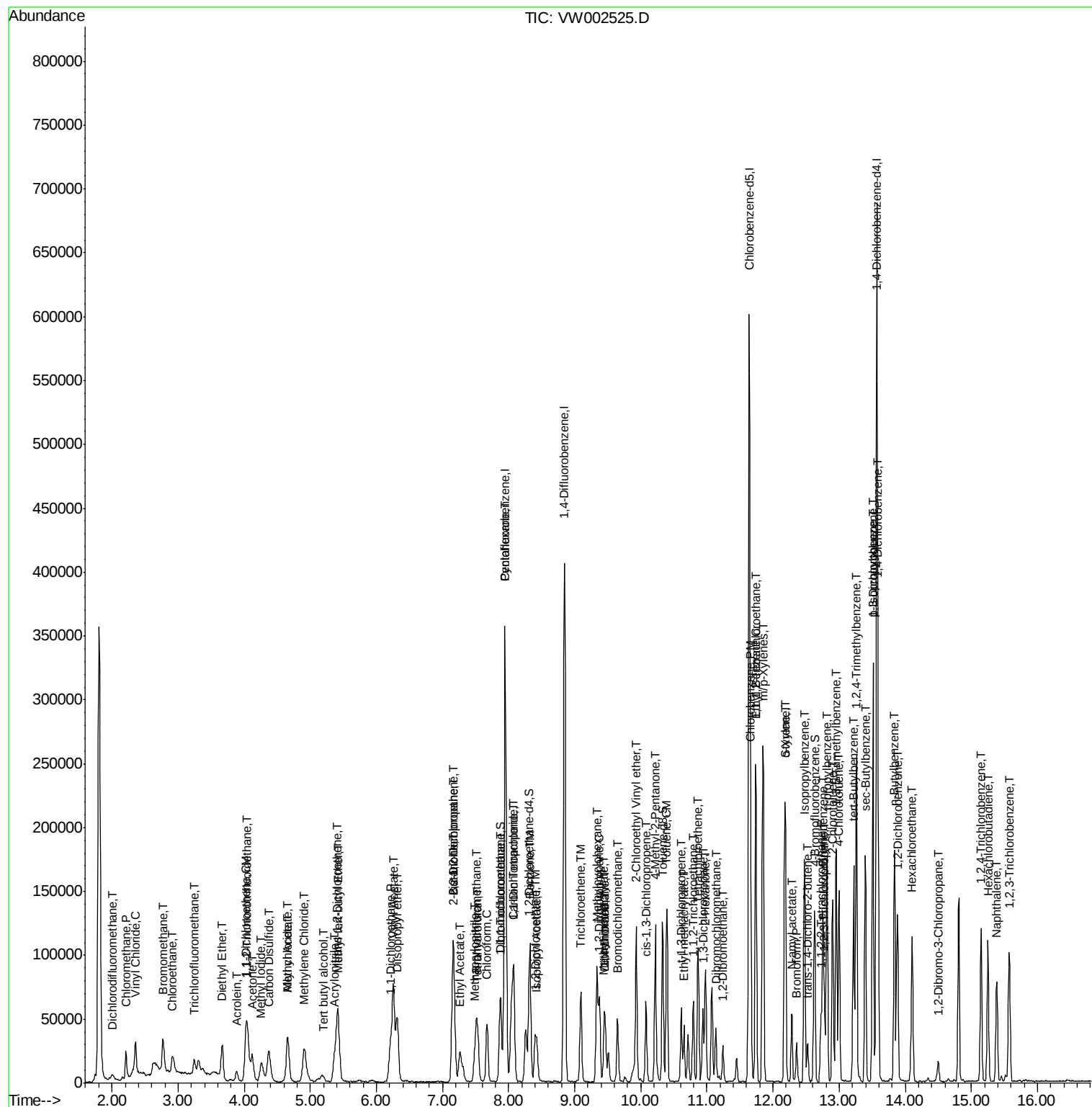
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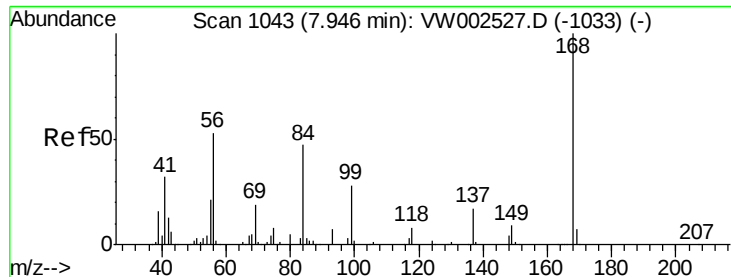
Instrument :
MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1043

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion:168 Resp: 232270

Ion Ratio Lower Upper

168 100

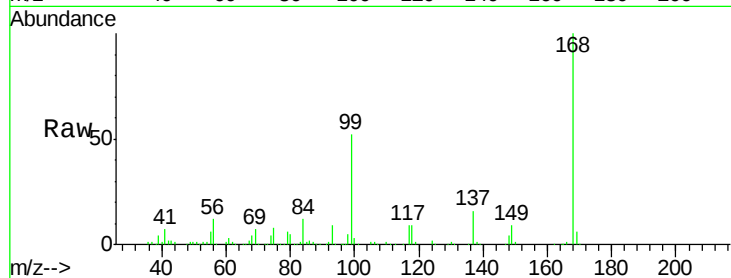
99 52.1 42.6 64.0

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

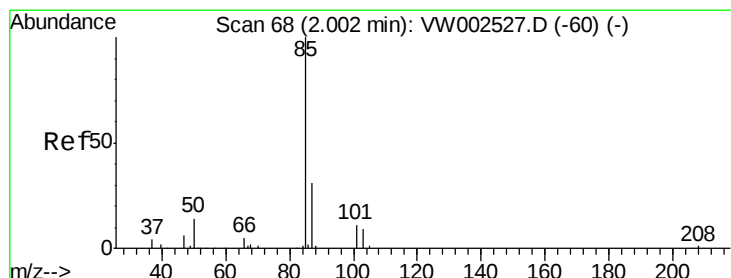
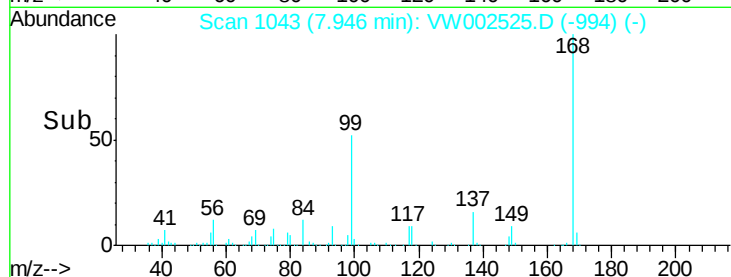
40000

20000

0

7.90 8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 10.80 ug/l m

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW002525.D

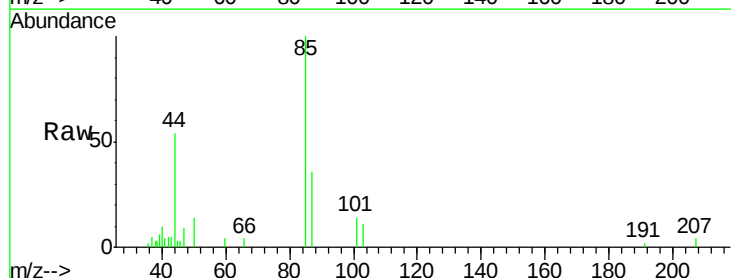
Acq: 14 May 2018 21:16

Tgt Ion: 85 Resp: 9423

Ion Ratio Lower Upper

85 100

87 35.9 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

2500

2000

1500

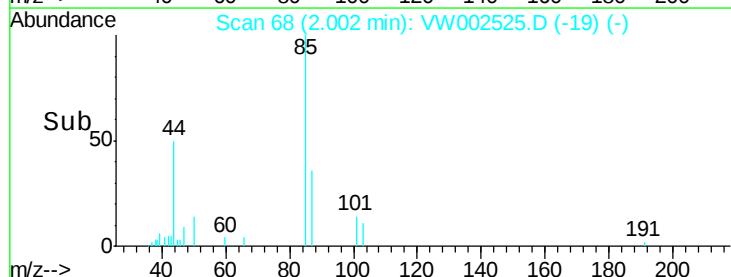
1000

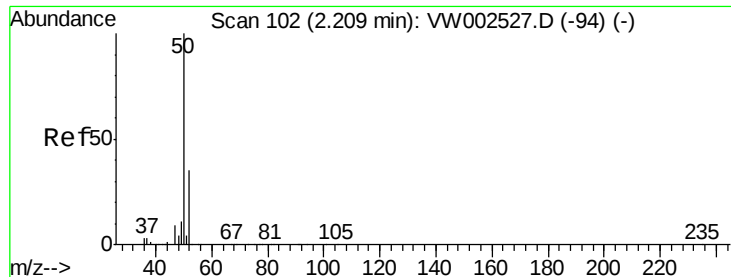
500

0

1.90 2.00 2.10 2.20

Time-->





#3

Chloromethane

Concen: 10.17 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC010

Tot Ion: 50 Resp: 17848

Ion Ratio Lower Upper

50 100

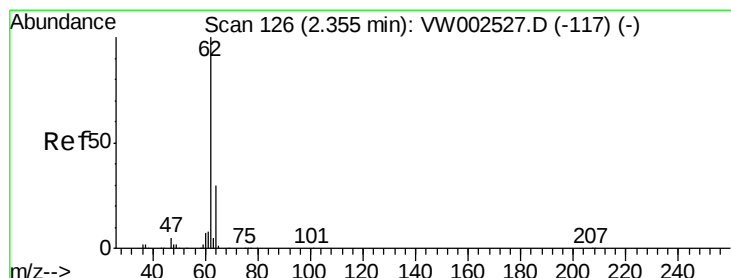
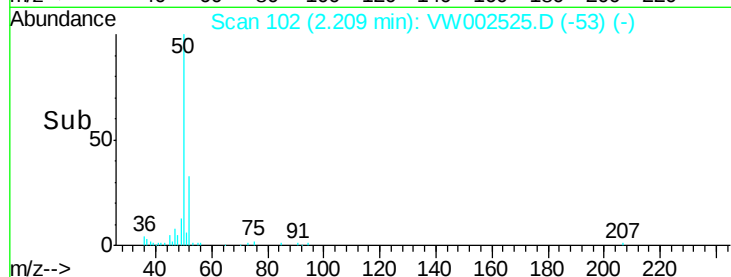
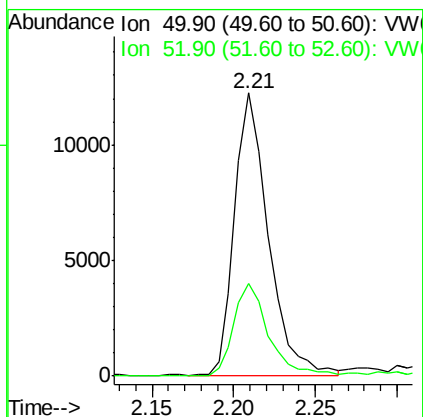
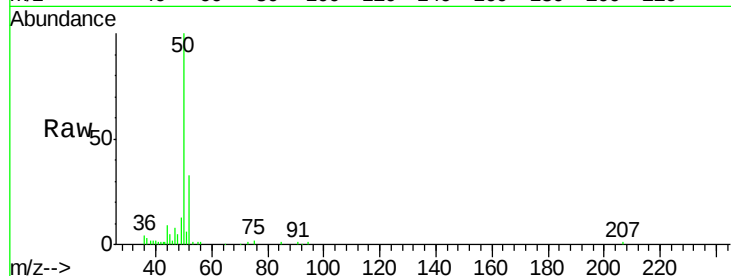
52 32.7 27.8 41.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 9.19 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW002525.D

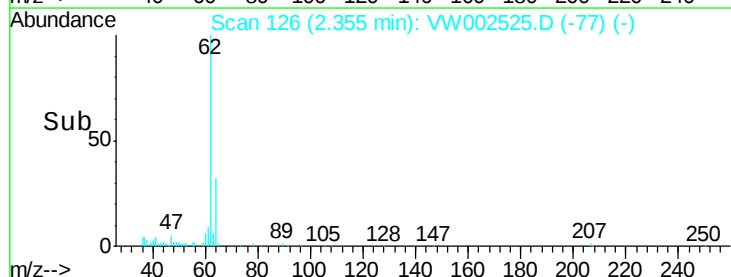
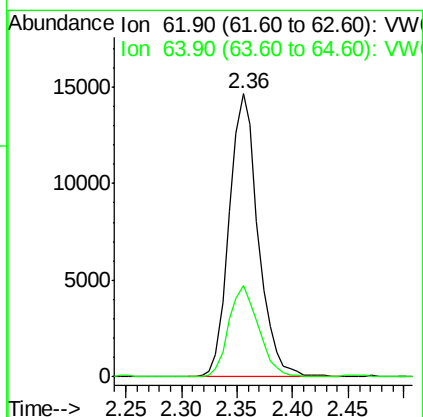
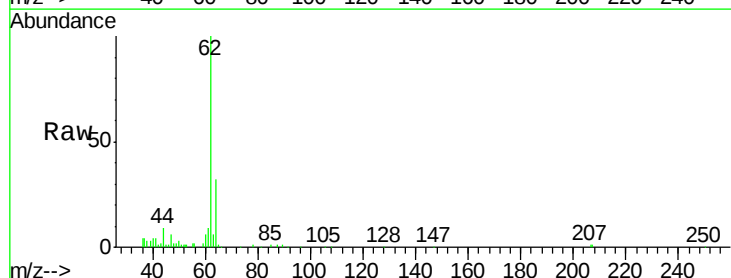
Acq: 14 May 2018 21:16

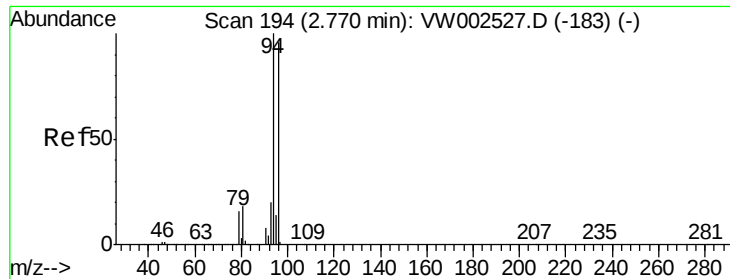
Tgt Ion: 62 Resp: 26459

Ion Ratio Lower Upper

62 100

64 32.2 24.0 36.0





#5

Bromomethane

Concen: 9.47 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampleId :

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Tot Ion: 94 Resp: 22093

Ion Ratio Lower Upper

94 100

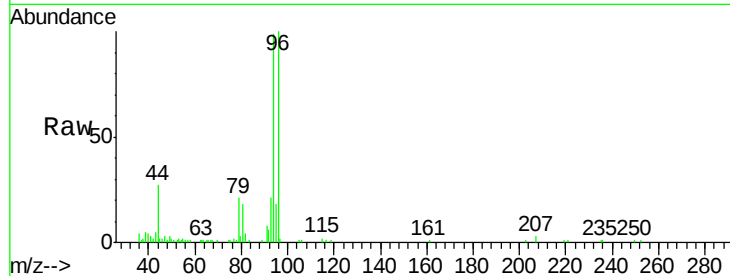
96 101.0 77.0 115.4

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW

2.77

8000

6000

4000

2000

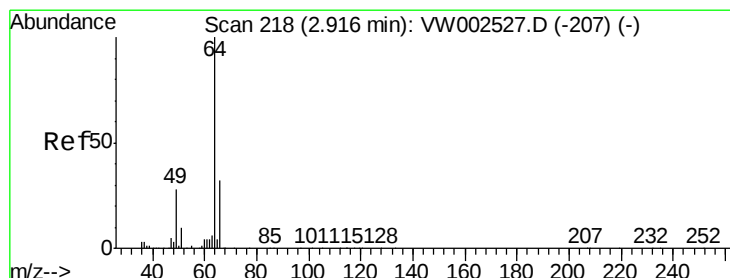
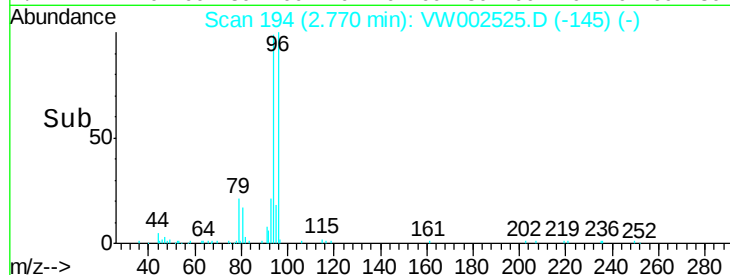
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Time-->

2.70

2.80

2.90



#6

Chloroethane

Concen: 9.04 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW002525.D

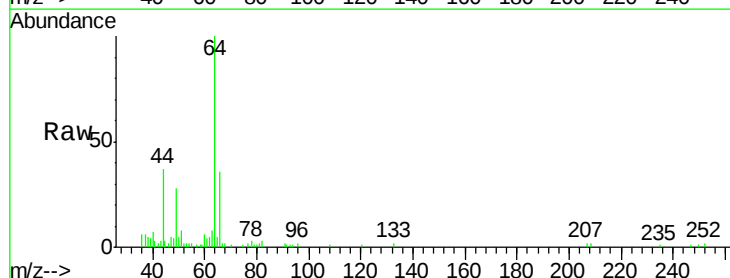
Acq: 14 May 2018 21:16

Tgt Ion: 64 Resp: 17724

Ion Ratio Lower Upper

64 100

66 36.3 25.8 38.8



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW

2.92

6000

4000

2000

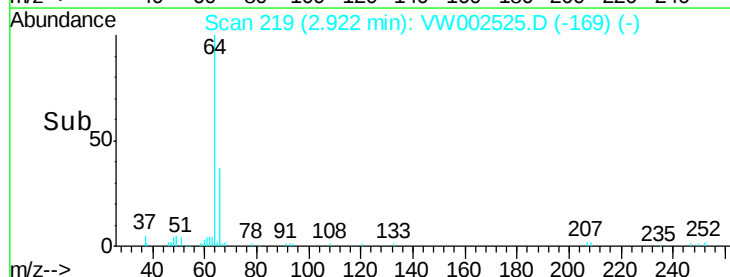
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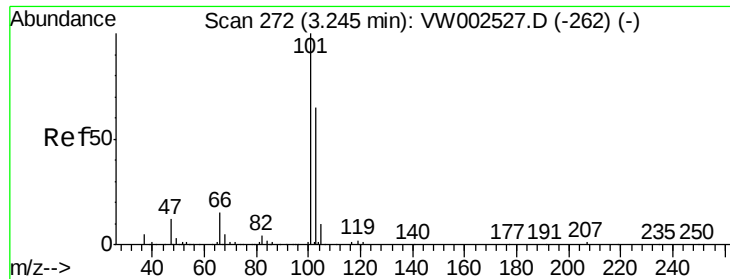
Time-->

2.80

2.90

3.00





#7

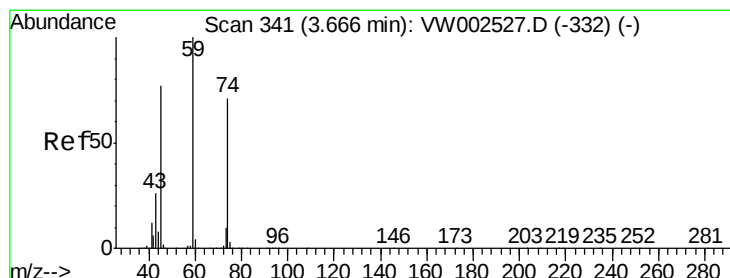
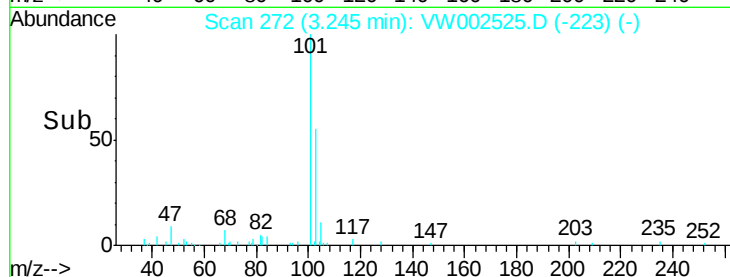
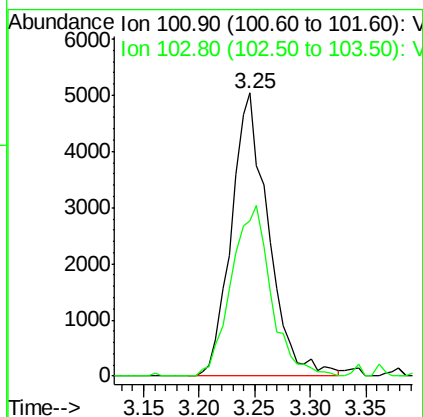
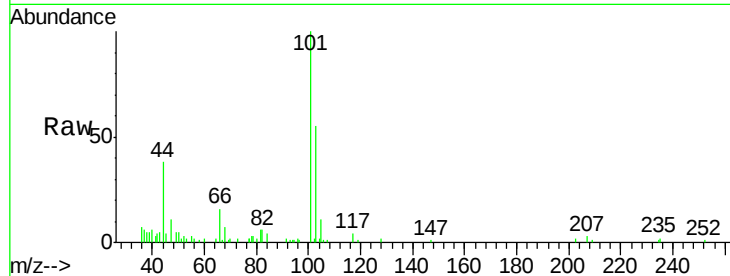
Trichlorofluoromethane
Concen: 9.68 ug/l
RT: 3.25 min Scan# 272
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

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Tot Ion	Ratio	Lower	Upper
101	100		
103	54.7	51.8	77.8

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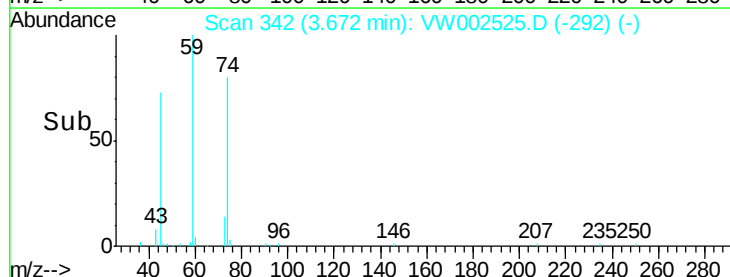
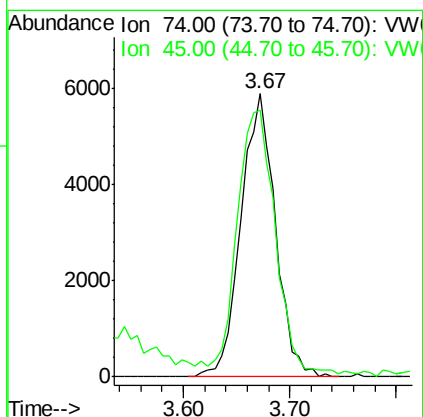
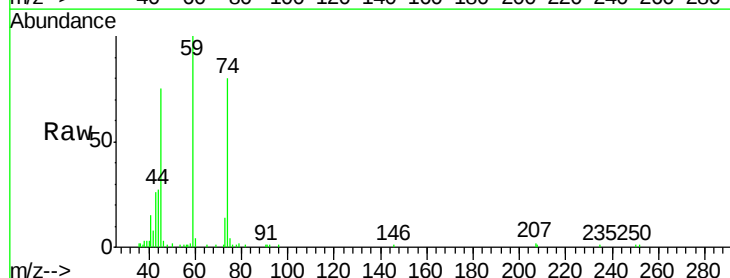
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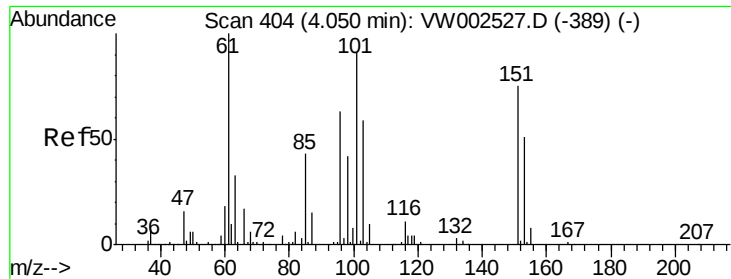


#8

Diethyl Ether
Concen: 9.89 ug/l
RT: 3.67 min Scan# 342
Delta R.T. 0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.5	52.3	156.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.38 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

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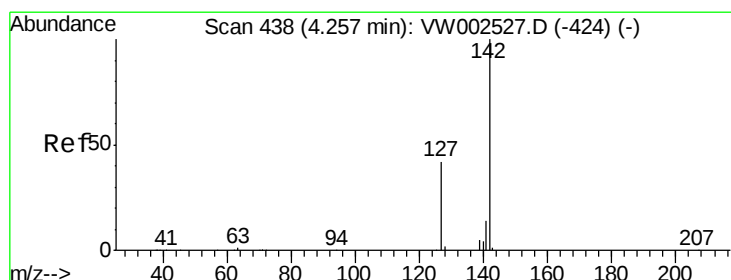
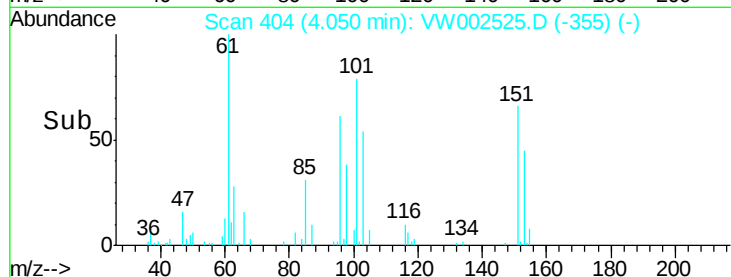
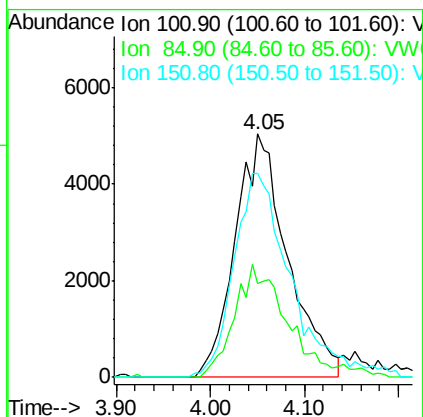
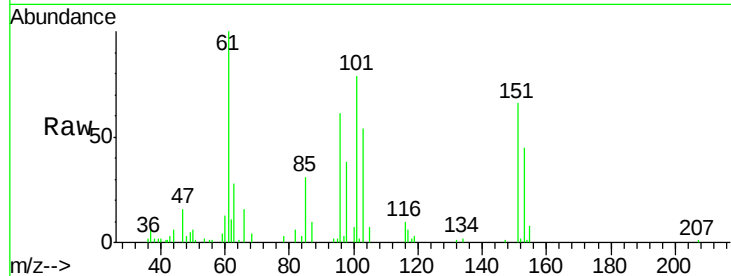
ClientSampleId :

VSTDIC010

Tot Ion:	101	Resp:	19644
Ion Ratio	Lower	Upper	
101	100		
85	45.4	36.5	54.7
151	90.9	66.7	100.1

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#10

Methyl Iodide

Concen: 9.74 ug/l

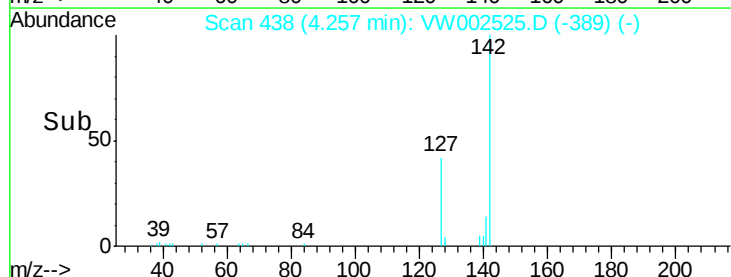
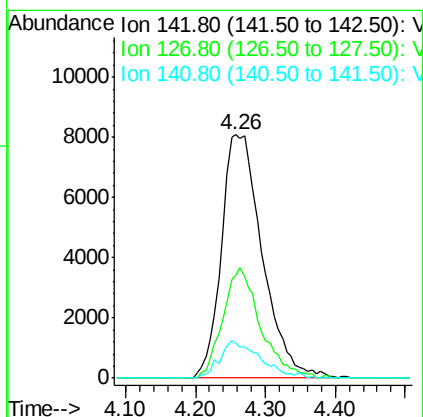
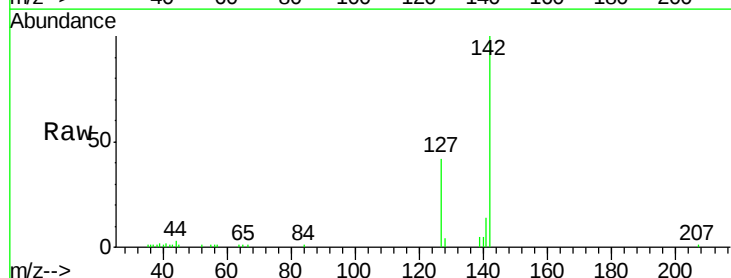
RT: 4.26 min Scan# 438

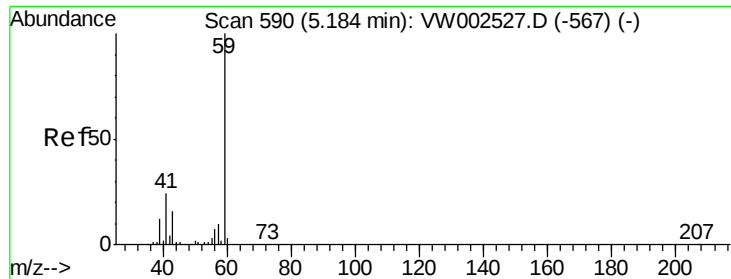
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	142	Resp:	32836
Ion Ratio	Lower	Upper	
142	100		
127	41.8	34.6	52.0
141	15.2	11.8	17.8





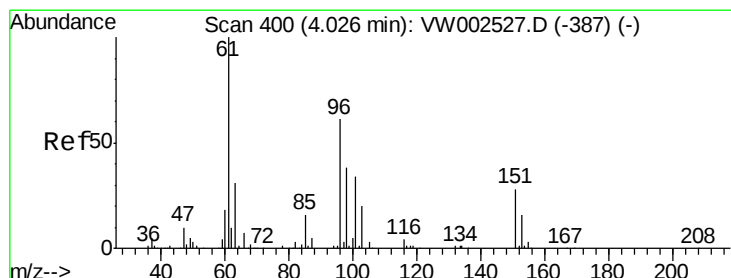
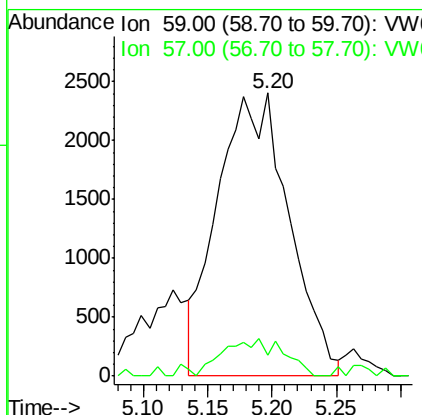
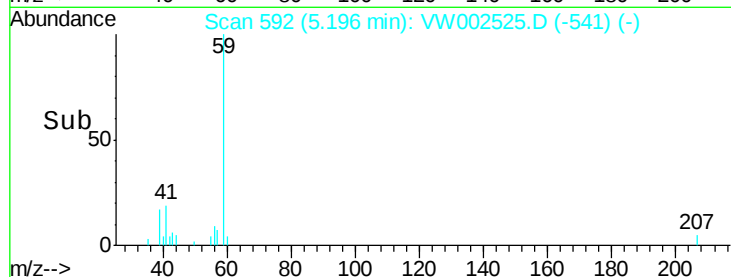
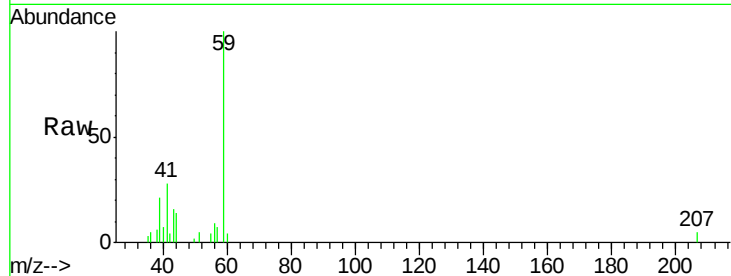
#11
Tert butvl alcohol
Concen: 50.53 ug/l
RT: 5.20 min Scan# 592
Delta R.T. 0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.2	12.4

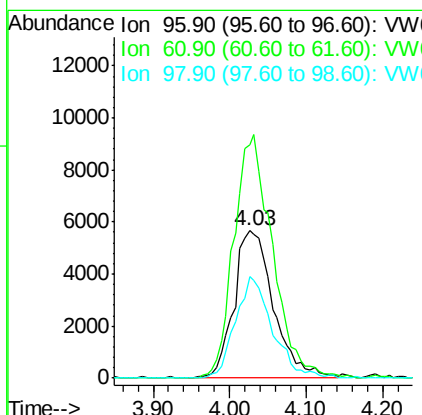
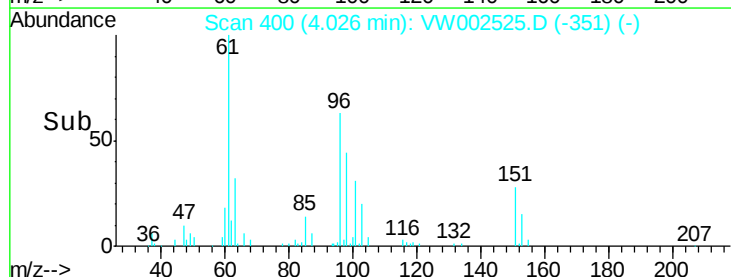
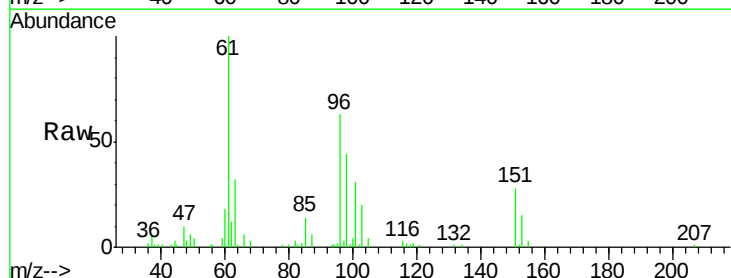
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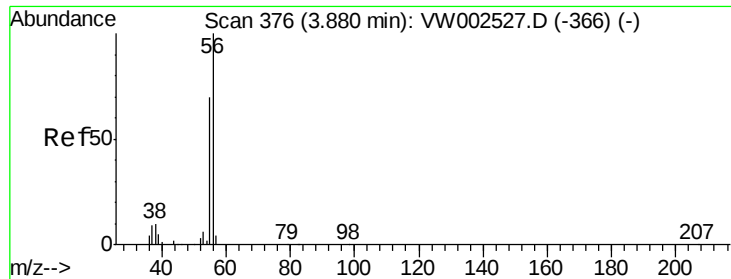
apatel
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#12
1,1-Dichloroethene
Concen: 9.85 ug/l
RT: 4.03 min Scan# 400
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
96	100		
61	159.2	132.2	198.2
98	69.3	50.6	76.0





#13

Acrolein

Concen: 60.41 ug/l

RT: 3.89 min Scan# 377

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 56 Resp: 9463

Ion Ratio Lower Upper

56 100

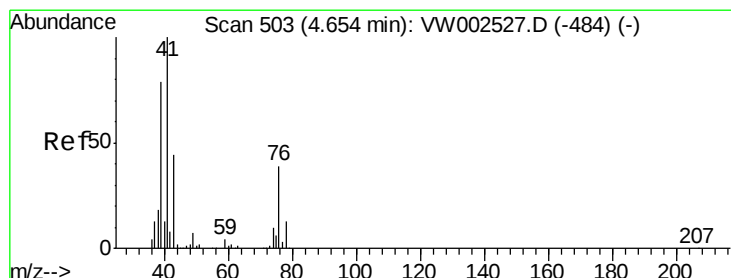
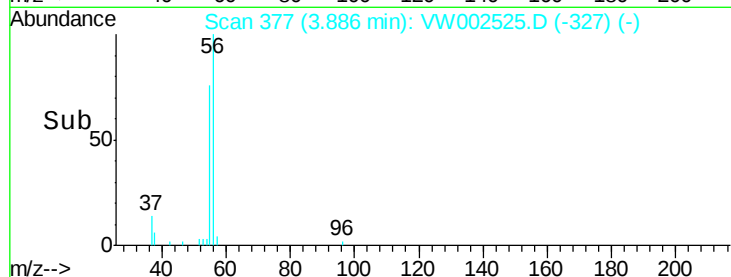
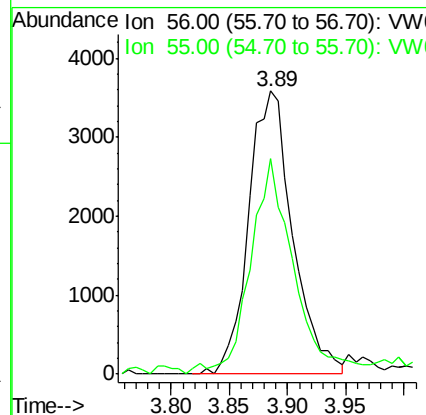
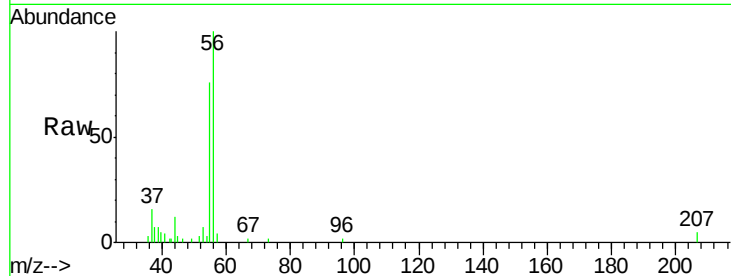
55 68.9 57.0 85.4

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#14

Allyl chloride

Concen: 9.74 ug/l

RT: 4.65 min Scan# 503

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

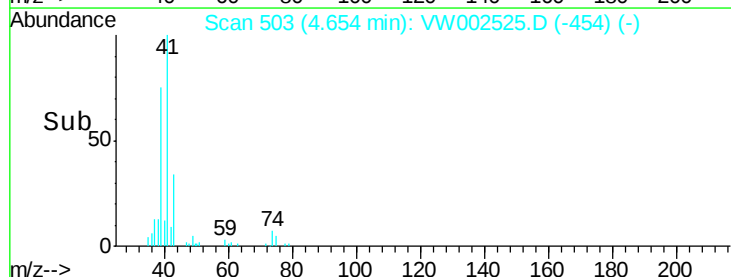
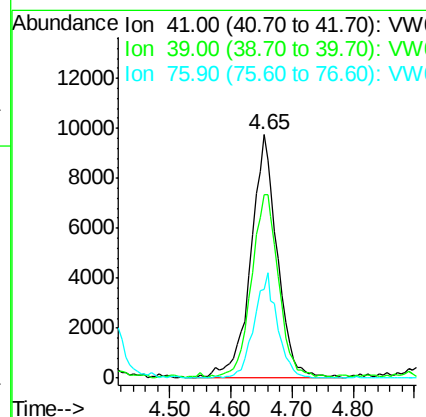
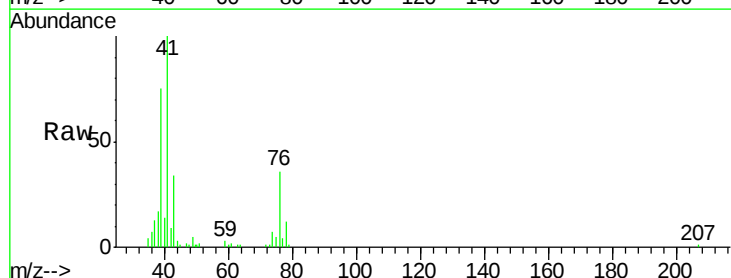
Tgt Ion: 41 Resp: 29676

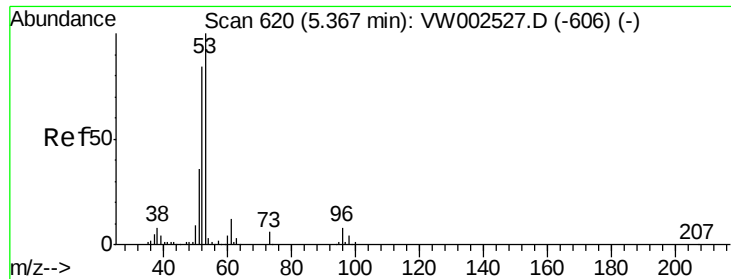
Ion Ratio Lower Upper

41 100

39 77.8 61.4 92.2

76 37.5 29.6 44.4





#15

Acrylonitrile

Concen: 48.71 ug/l

RT: 5.36 min Scan# 619

Delta R.T. -0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

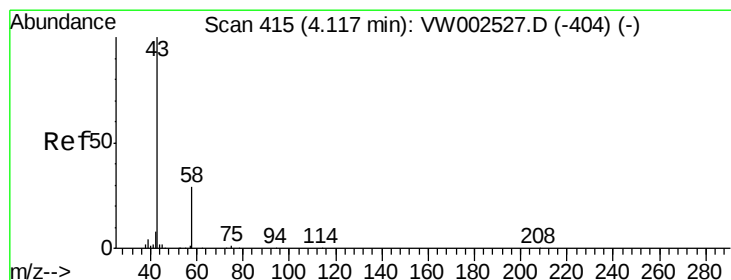
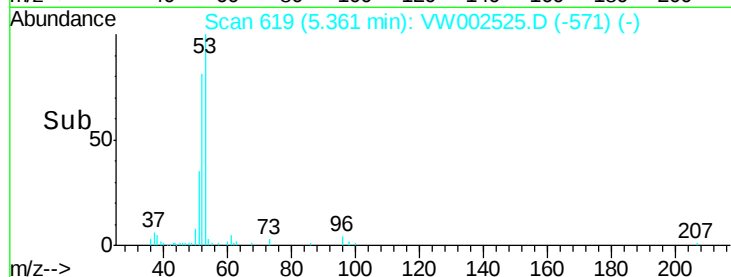
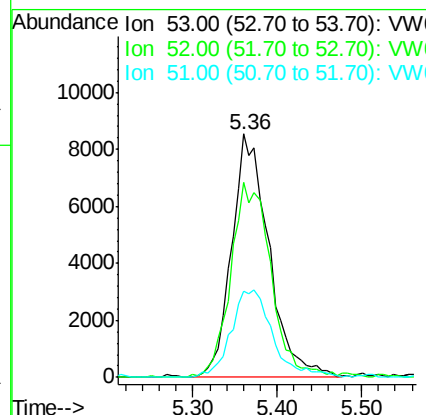
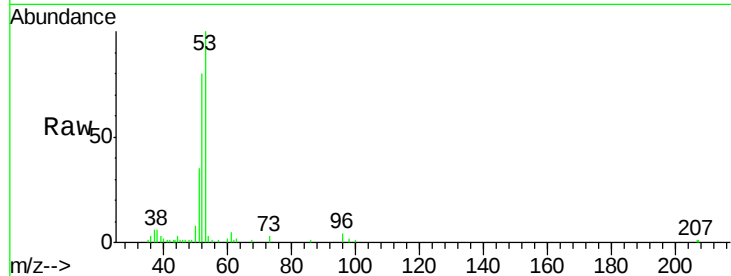
ClientSampled :

VSTDIC010

Tot Ion:	53	Resp:	25732
Ion	Ratio	Lower	Upper
53	100		
52	85.8	66.6	100.0
51	40.1	30.6	46.0

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#16

Acetone

Concen: 56.58 ug/l

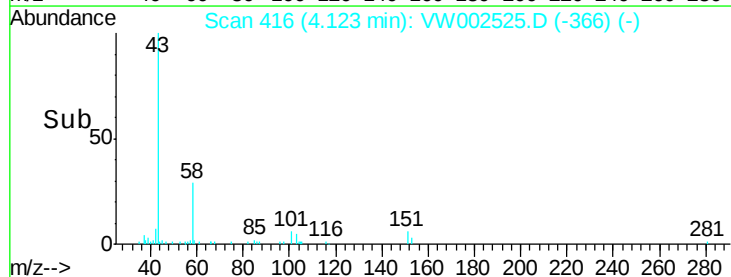
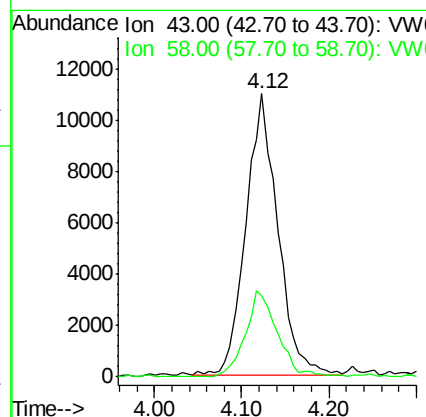
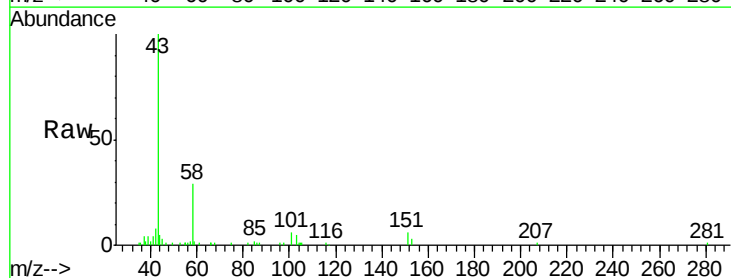
RT: 4.12 min Scan# 416

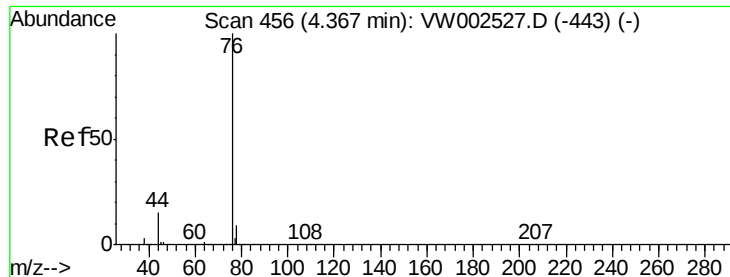
Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	43	Resp:	27647
Ion	Ratio	Lower	Upper
43	100		
58	28.7	23.4	35.0





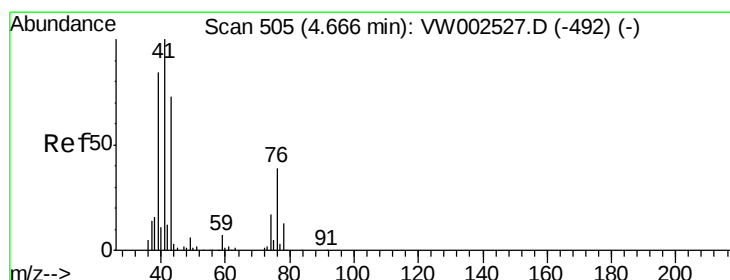
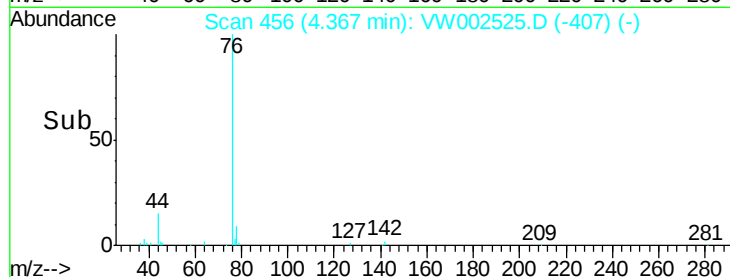
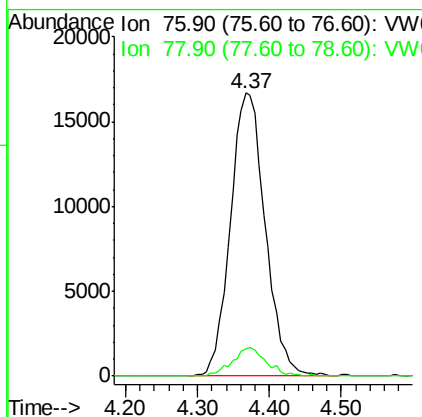
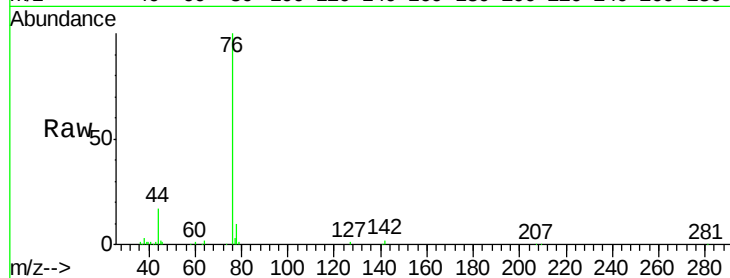
#17
Carbon Disulfide
Concen: 9.40 ug/l
RT: 4.37 min Scan# 456
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ion	Ratio	Lower	Upper
76	100			
78	9.6	7.5	11.3	

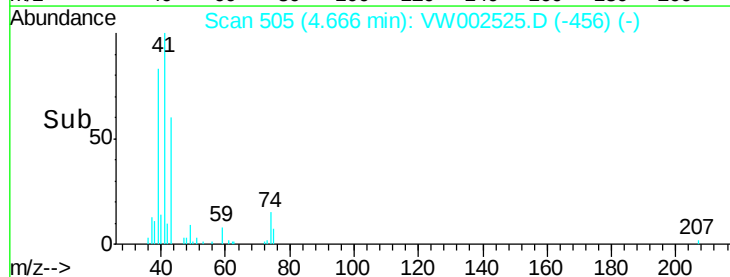
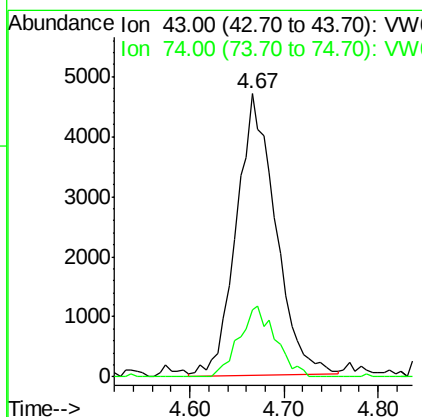
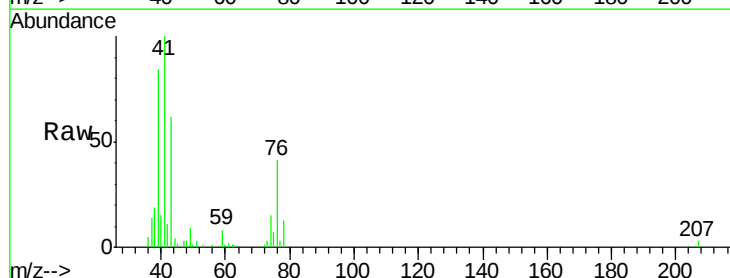
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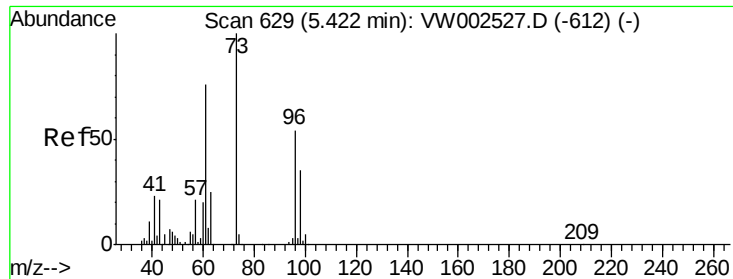
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#18
Methyl Acetate
Concen: 9.30 ug/l
RT: 4.67 min Scan# 505
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
74	23.5	19.2	28.8	





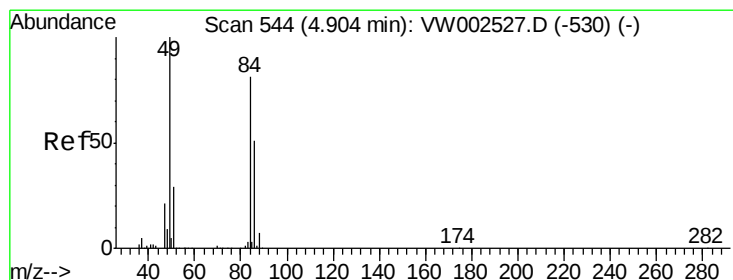
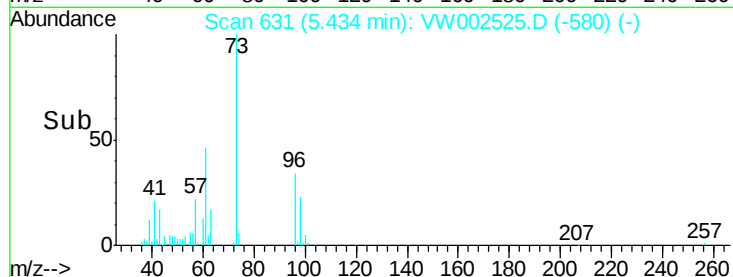
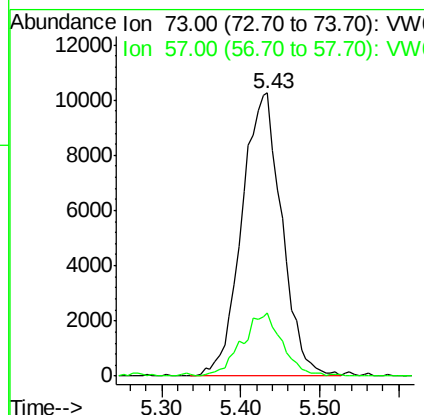
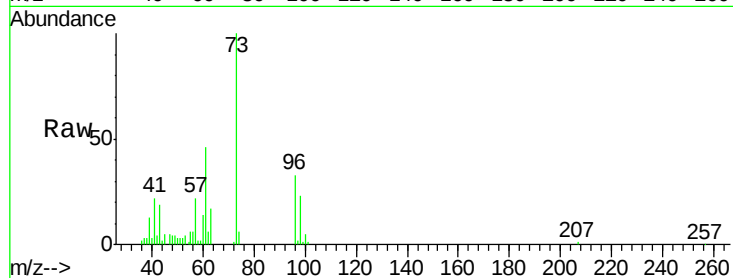
#19
Methvl tert-butvl Ether
Concen: 9.88 ug/l
RT: 5.43 min Scan# 631
Delta R.T. 0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion: 73 Resp: 36223
Ion Ratio Lower Upper
73 100
57 21.7 17.0 25.6

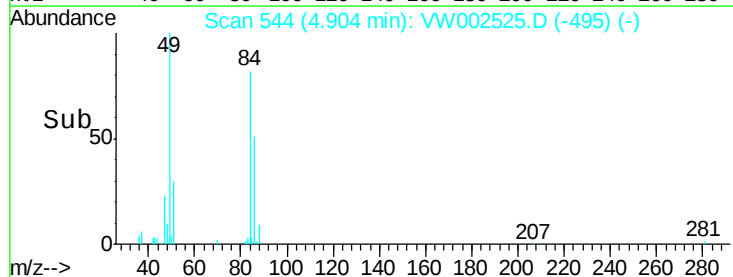
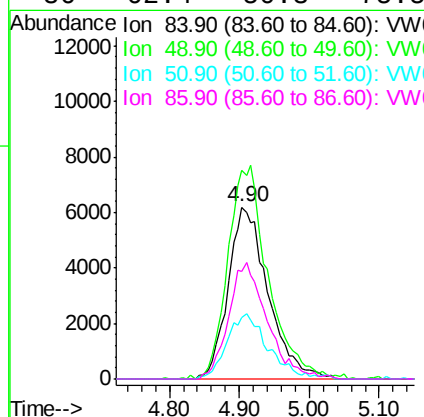
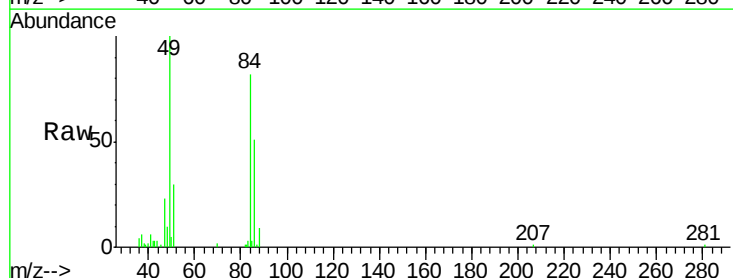
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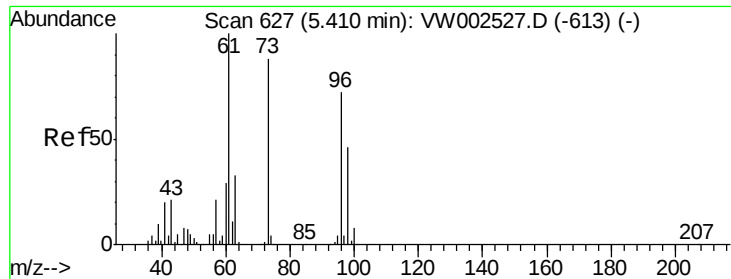
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#20
Methylene Chloride
Concen: 10.70 ug/l
RT: 4.90 min Scan# 544
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion: 84 Resp: 24546
Ion Ratio Lower Upper
84 100
49 119.5 99.4 149.0
51 35.9 29.0 43.6
86 62.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 9.65 ug/l

RT: 5.41 min Scan# 627

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

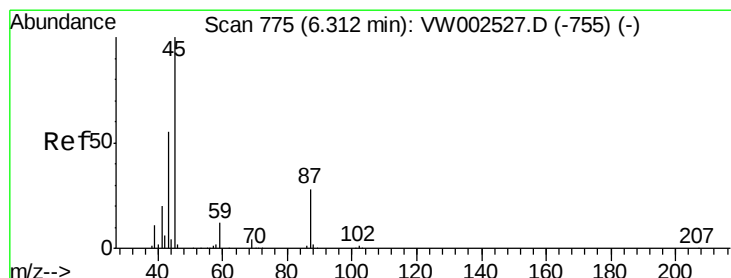
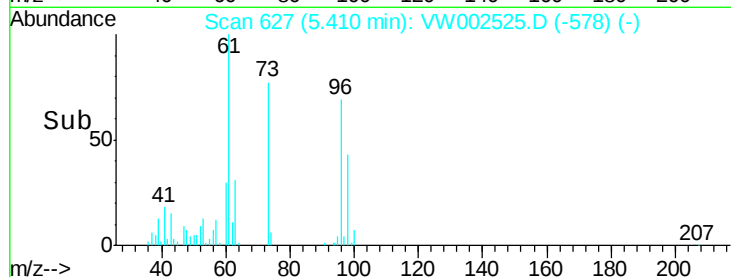
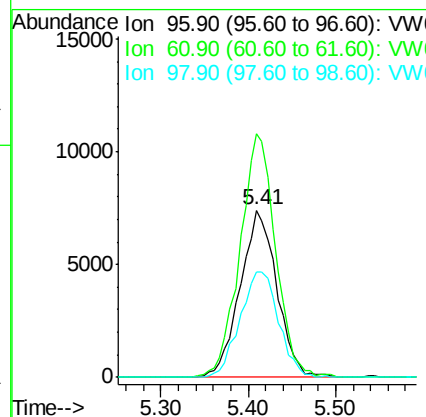
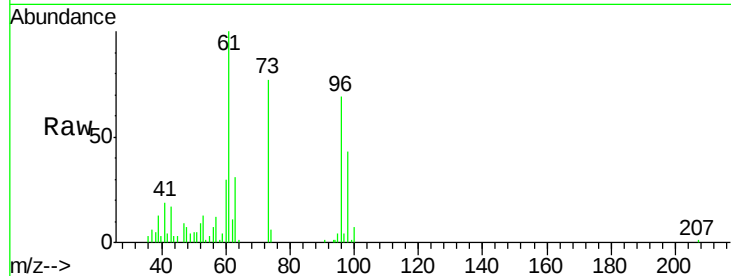
ClientSampled :

VSTDIC010

Tot Ion:	96	Resp:	21550
Ion	Ratio	Lower	Upper
96	100		
61	145.9	111.6	167.4
98	63.1	51.7	77.5

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#22

Diisopropyl ether

Concen: 9.39 ug/l

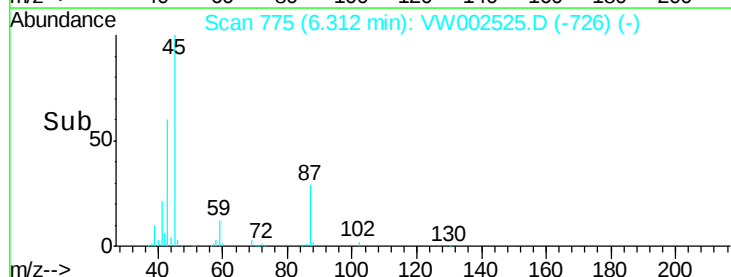
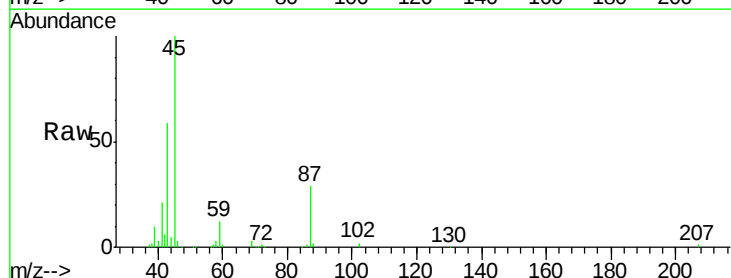
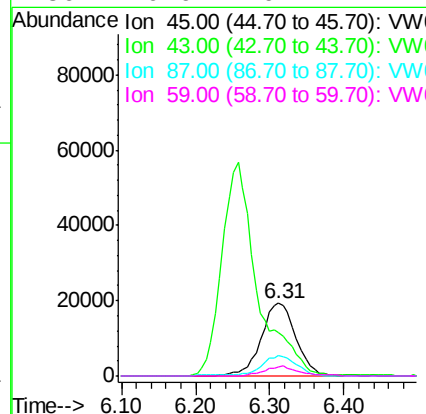
RT: 6.31 min Scan# 775

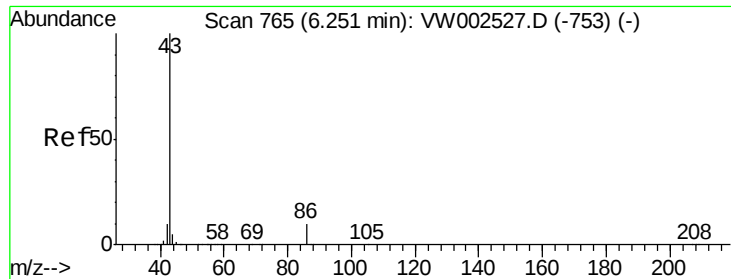
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	45	Resp:	62944
Ion	Ratio	Lower	Upper
45	100		
43	58.3	44.4	66.6
87	29.1	23.0	34.4
59	10.9	9.4	14.2





#23

Vinyl Acetate

Concen: 46.92 ug/l

RT: 6.26 min Scan# 766

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 189216

Ion Ratio Lower Upper

43 100

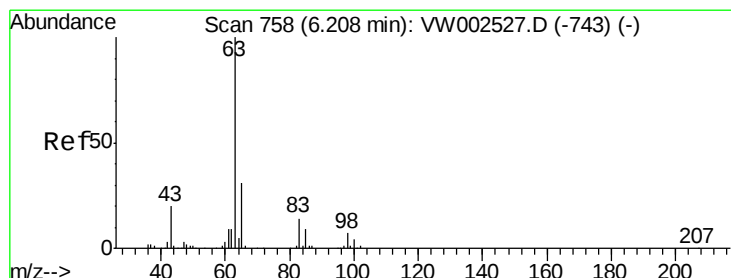
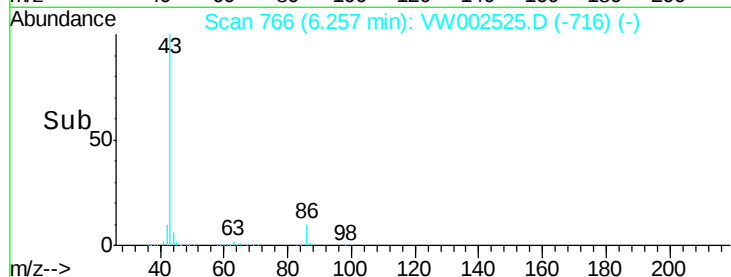
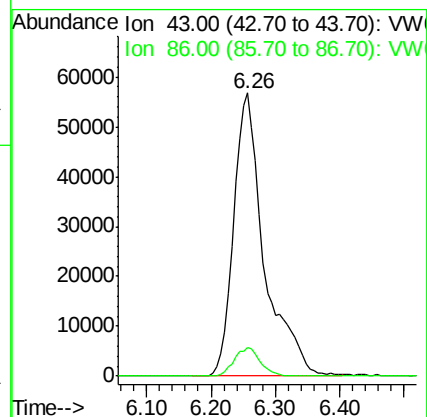
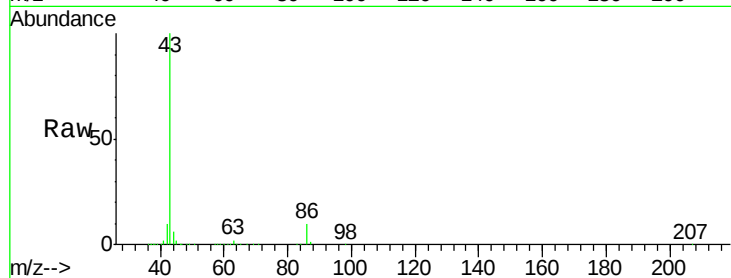
86 10.0 7.9 11.9

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#24

1,1-Dichloroethane

Concen: 9.68 ug/l

RT: 6.21 min Scan# 758

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

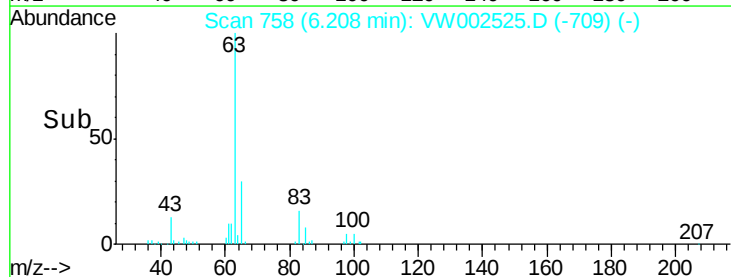
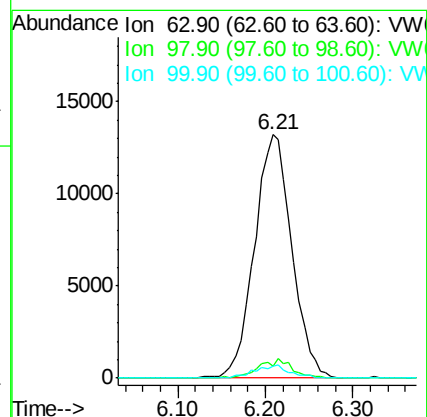
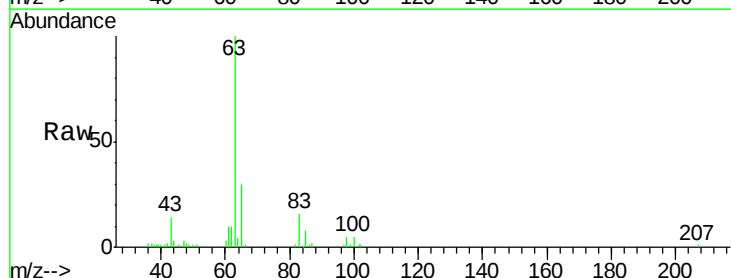
Tgt Ion: 63 Resp: 39263

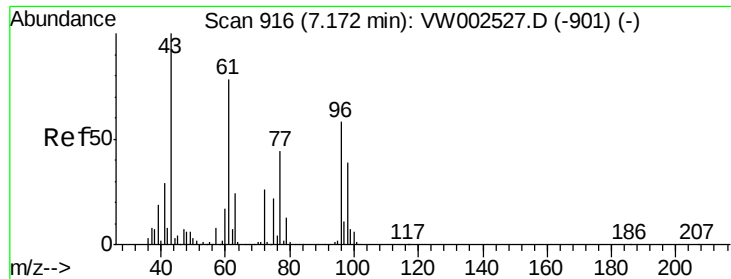
Ion Ratio Lower Upper

63 100

98 5.1 3.6 10.9

100 4.7 2.1 6.5





#25

2-Butanone

Concen: 51.24 ug/l

RT: 7.18 min Scan# 917

Delta R.T. 0.01 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 36962

Ion Ratio Lower Upper

43 100

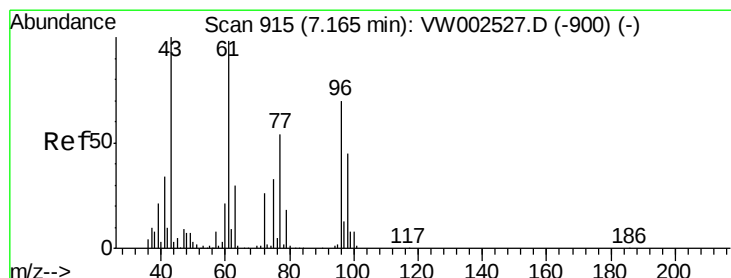
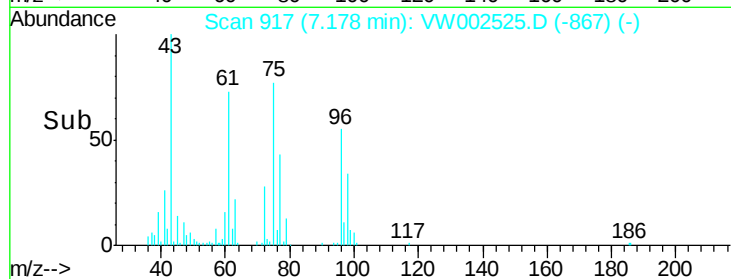
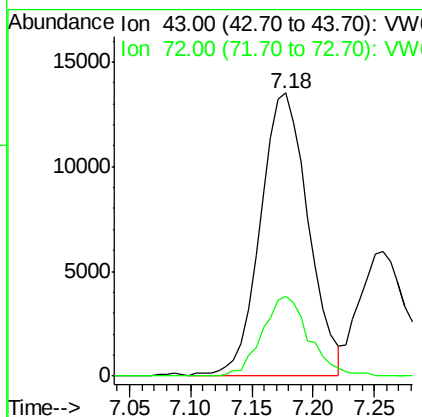
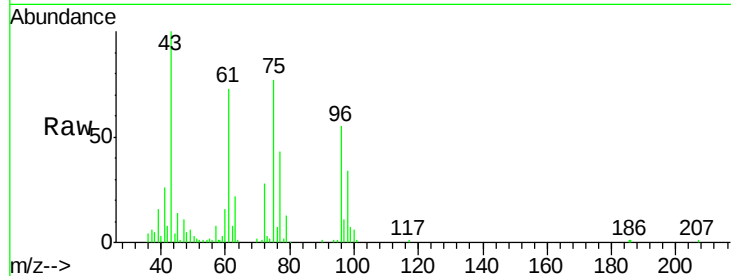
72 28.4 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 11.26 ug/l

RT: 7.16 min Scan# 914

Delta R.T. -0.01 min

Lab File: VW002525.D

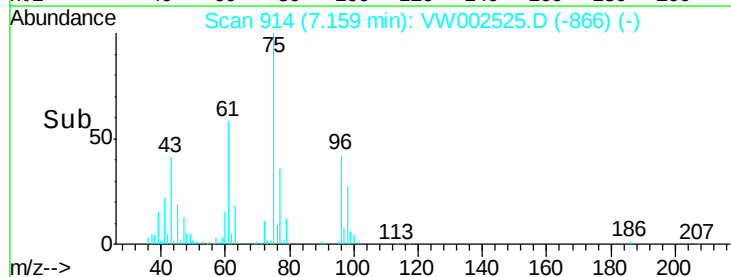
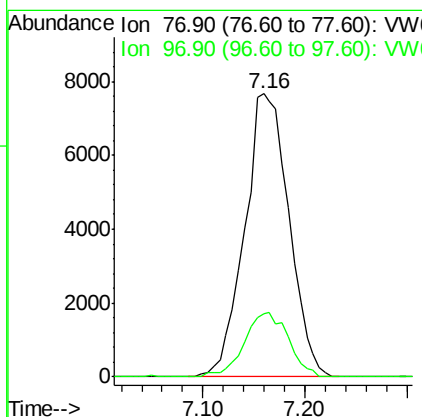
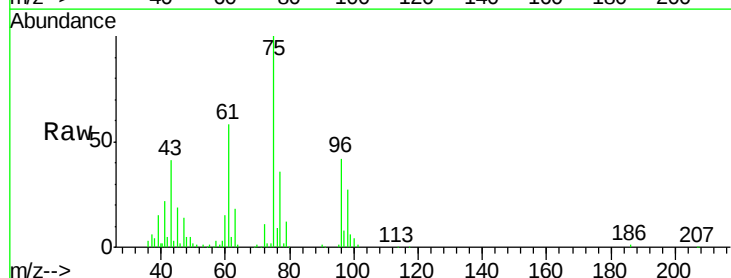
Acq: 14 May 2018 21:16

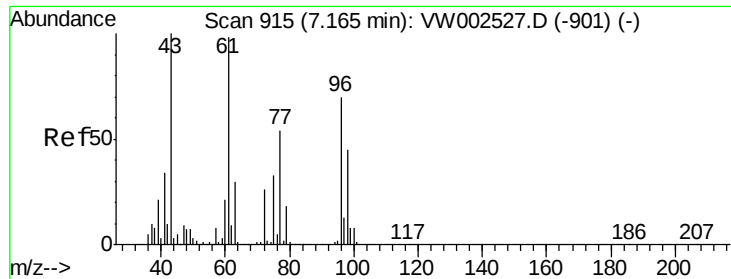
Tgt Ion: 77 Resp: 23139

Ion Ratio Lower Upper

77 100

97 22.8 12.1 36.3





#27

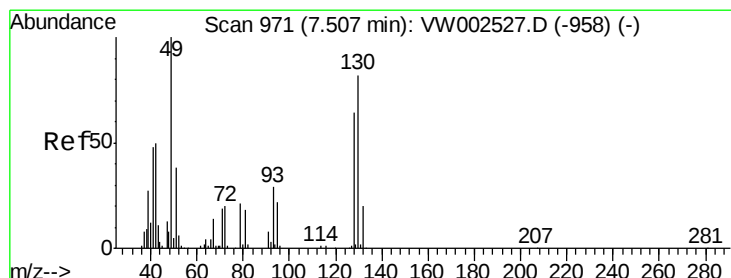
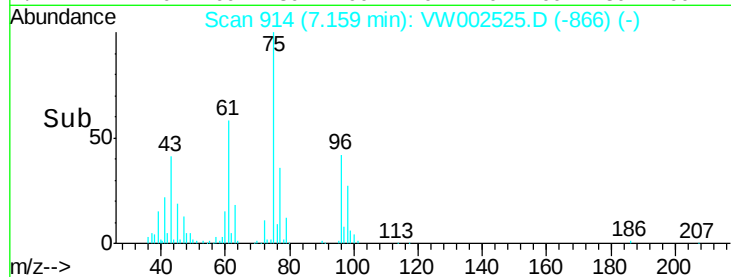
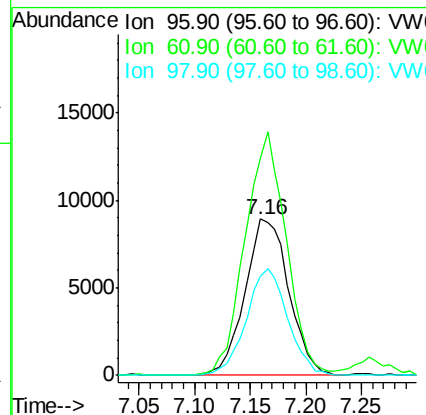
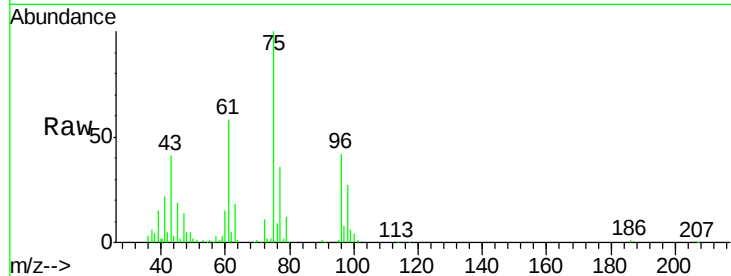
cis-1,2-Dichloroethene
Concen: 9.67 ug/l
RT: 7.16 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		24444		
61	145.8	0.0	281.6		
98	64.5	0.0	130.8		

Manual Integrations
APPROVED

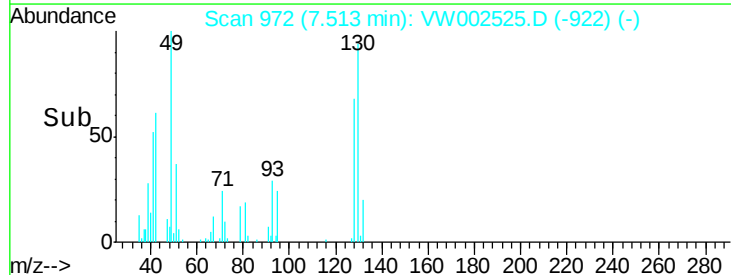
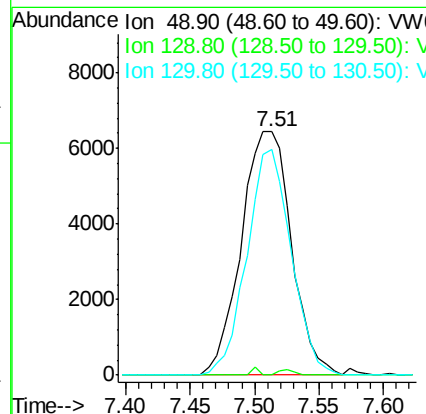
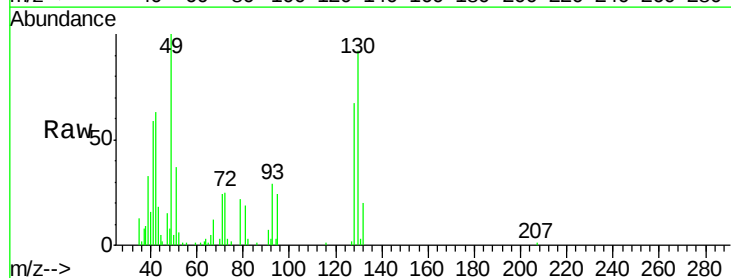
apatel
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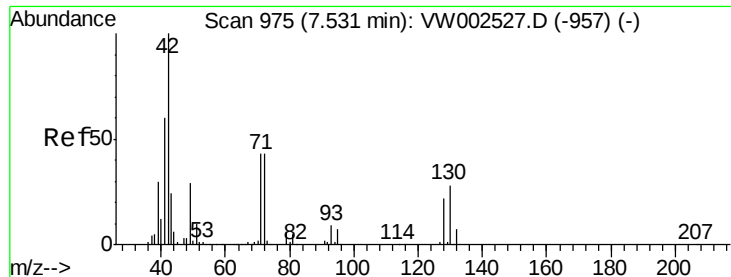


#28

Bromochloromethane
Concen: 9.42 ug/l
RT: 7.51 min Scan# 972
Delta R.T. 0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
49	100		17372		
129	0.7	0.0	4.4		
130	81.9	64.7	97.1		





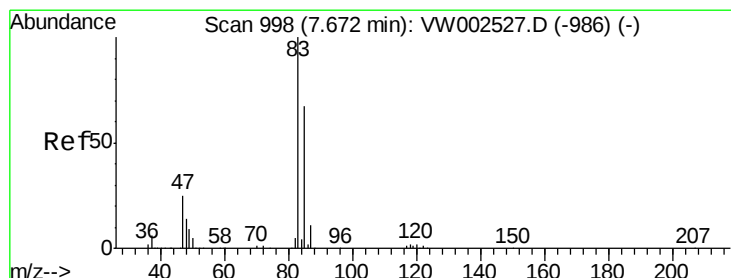
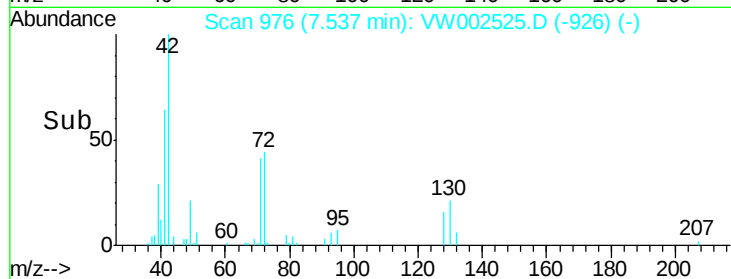
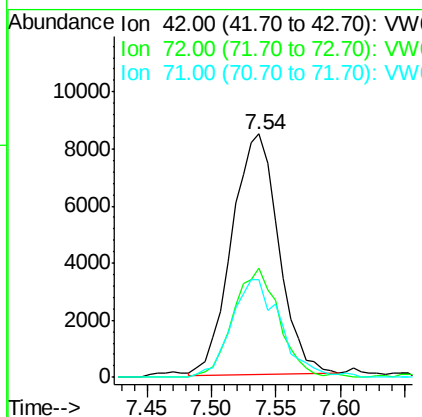
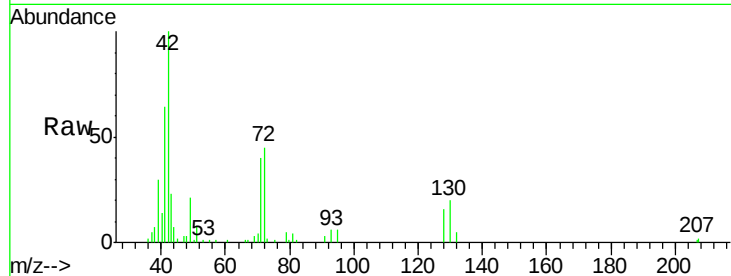
#29
Tetrahydrofuran
Concen: 45.61 ug/l
RT: 7.54 min Scan# 976
Delta R.T. 0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.6	35.0	52.4
71	42.4	33.0	49.6

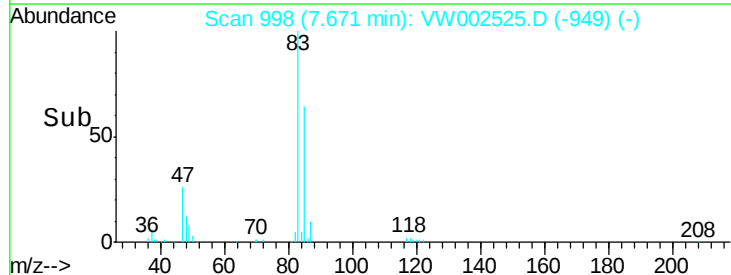
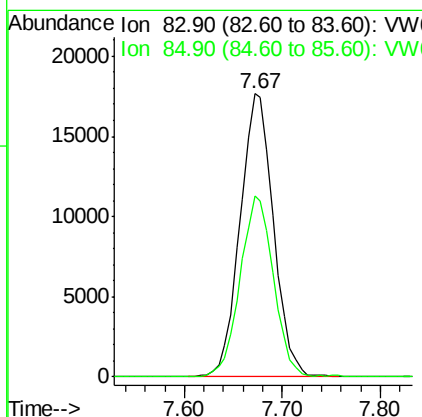
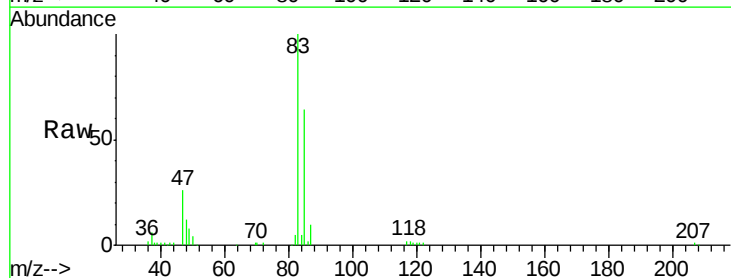
Manual Integrations
APPROVED

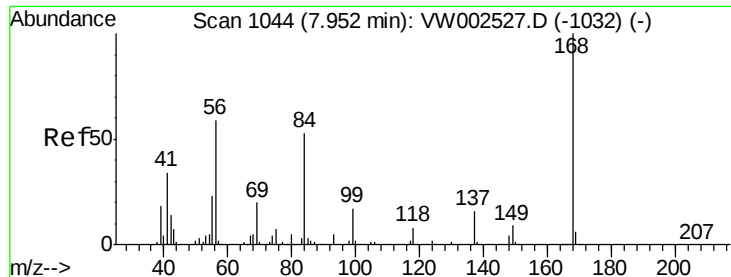
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#30
Chloroform
Concen: 9.83 ug/l
RT: 7.67 min Scan# 998
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	53.9	80.9





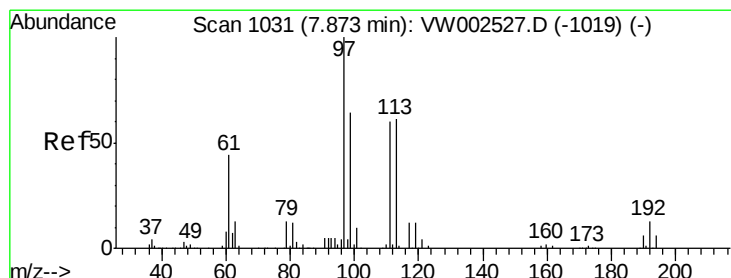
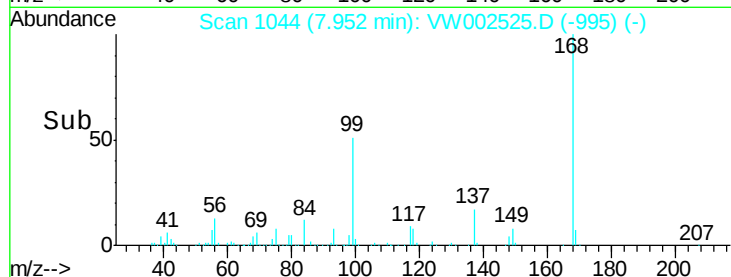
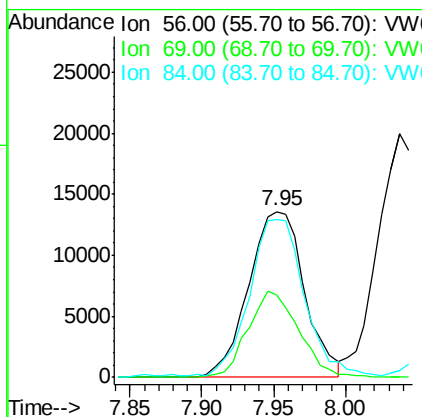
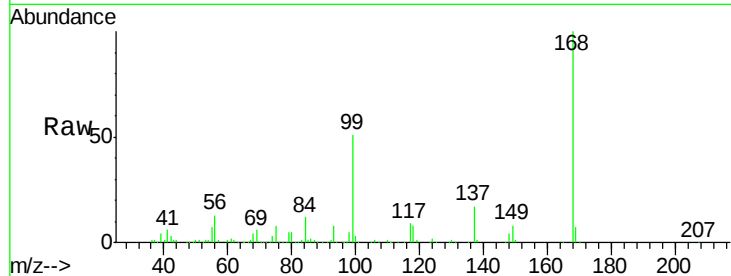
#31
Cyclohexane
Concen: 10.12 ug/l
RT: 7.95 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
56	100		
69	49.9	27.0	40.4#
84	93.5	72.2	108.2

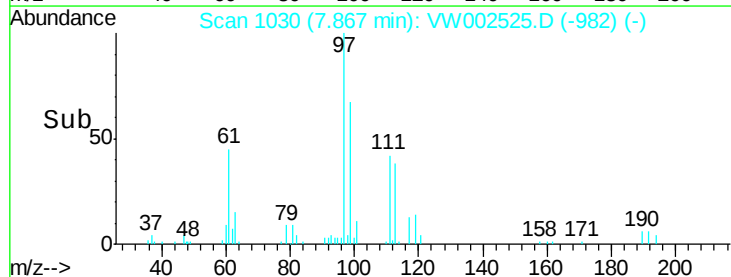
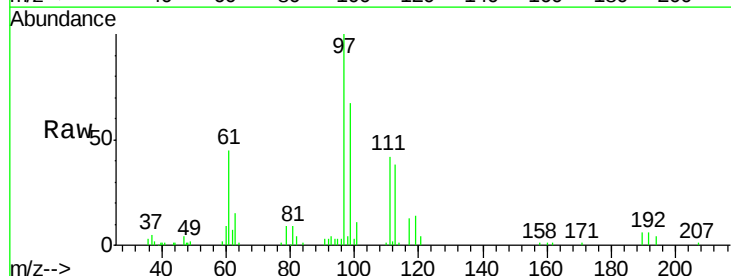
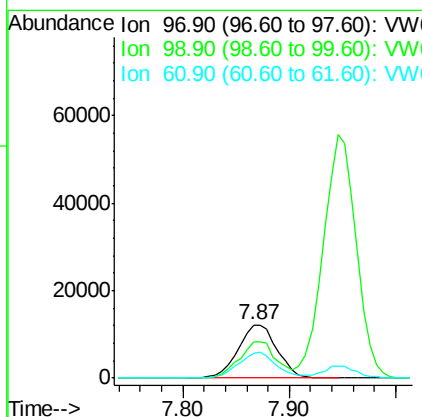
Manual Integrations
APPROVED

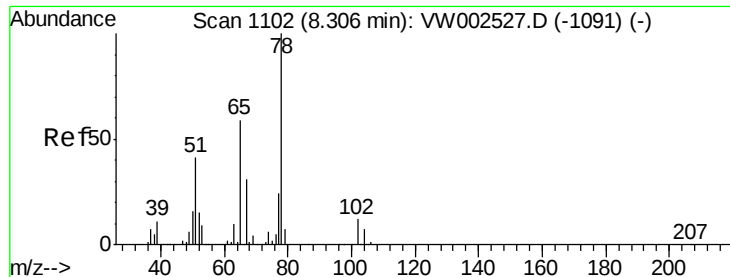
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#32
1,1,1-Trichloroethane
Concen: 9.75 ug/l
RT: 7.87 min Scan# 1030
Delta R.T. -0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.1	76.7
61	47.1	35.9	53.9





#33

1,2-Dichloroethane-d4

Concen: 9.69 ug/l

RT: 8.31 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 65 Resp: 23722

Ion Ratio Lower Upper

65 100

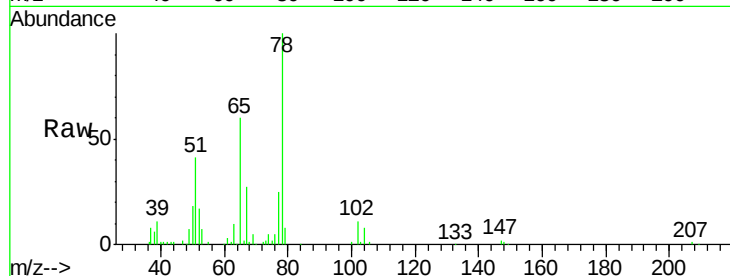
67 51.9 0.0 104.4

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VW

Ion 66.90 (66.60 to 67.60): VW

12000

10000

8000

6000

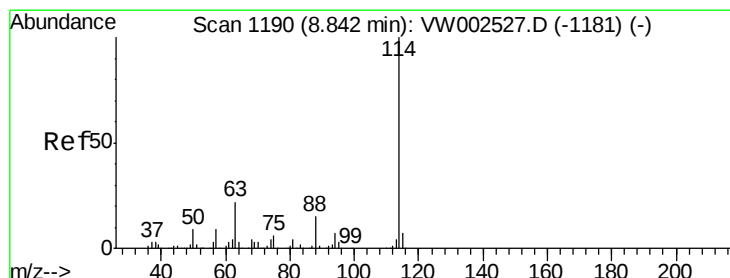
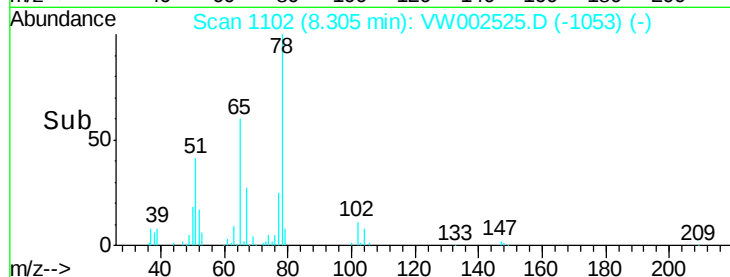
4000

2000

0

8.20 8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.84 min Scan# 1190

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

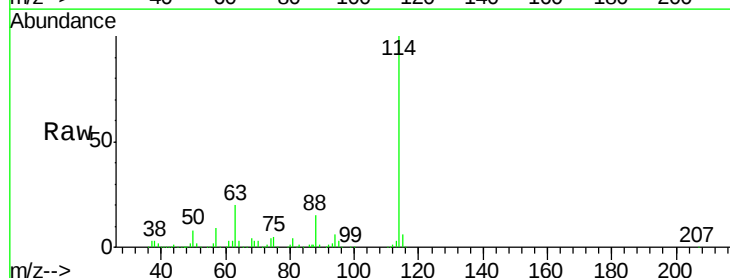
Tgt Ion: 114 Resp: 347098

Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.2

88 14.9 0.0 29.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VW

Ion 87.90 (87.60 to 88.60): VW

200000

150000

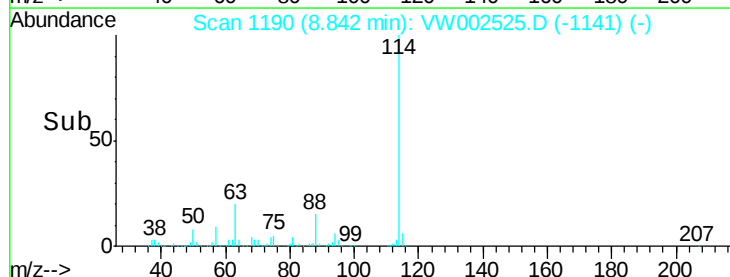
100000

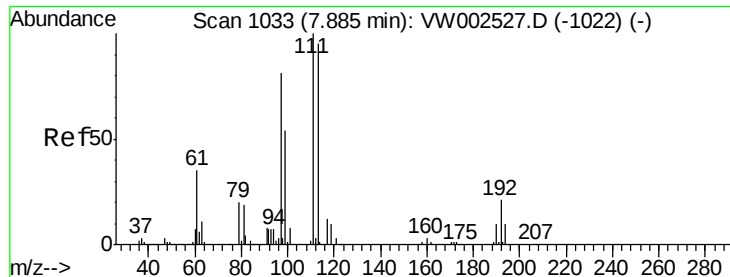
50000

0

8.80 8.90

Time-->





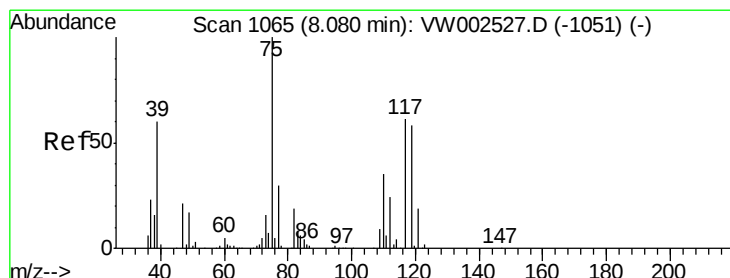
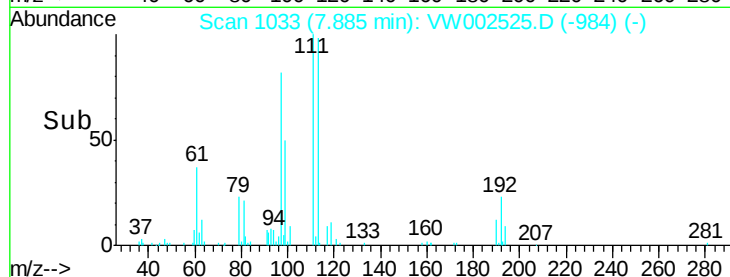
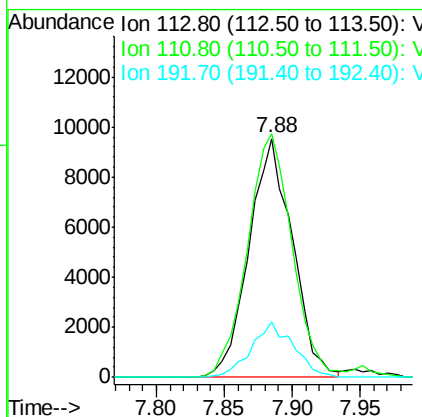
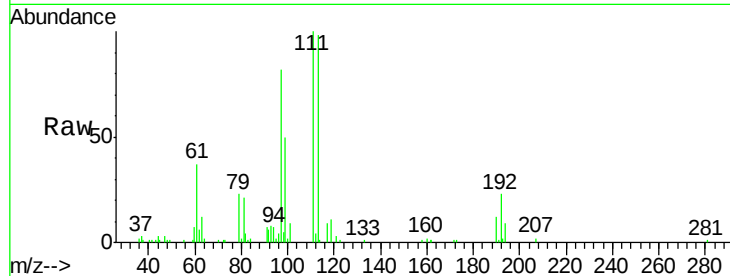
#35
 Dibromofluoromethane
 Concen: 9.64 ug/l
 RT: 7.88 min Scan# 1033
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
113	100	21311		
111	105.4	81.8	122.8	
192	22.5	17.5	26.3	

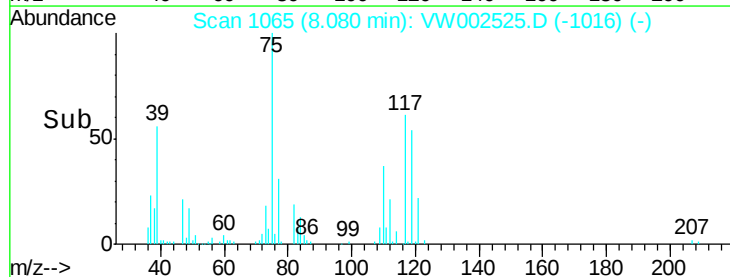
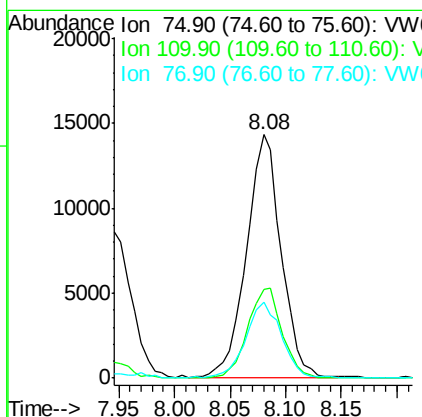
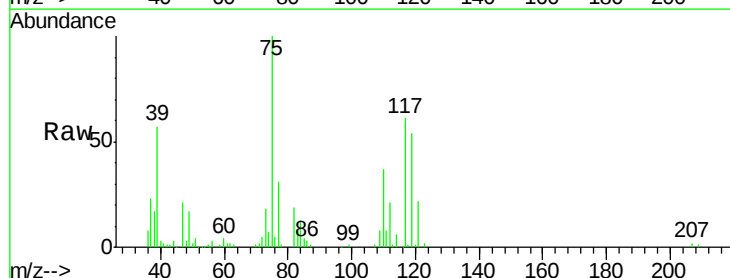
Manual Integrations
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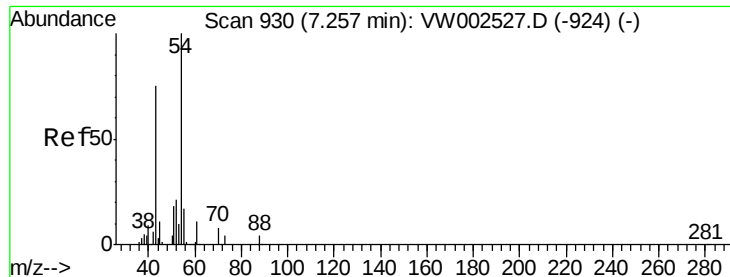
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#36
 1,1-Dichloropropene
 Concen: 9.95 ug/l
 RT: 8.08 min Scan# 1065
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	31157		
110	36.6	17.8	53.5	
77	32.4	24.5	36.7	





#37

Ethyl Acetate

Concen: 10.36 ug/l

RT: 7.26 min Scan# 930

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

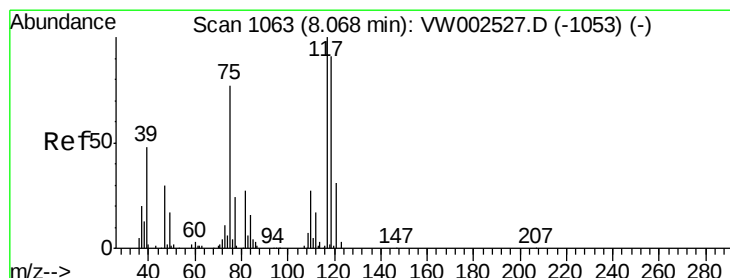
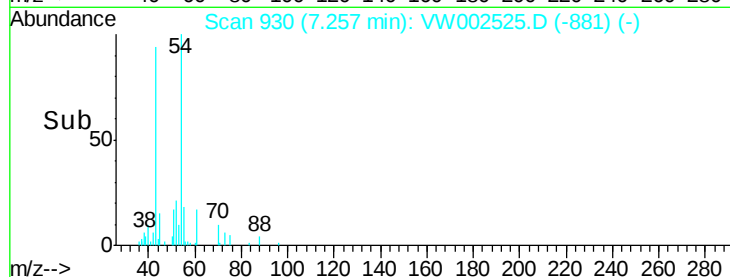
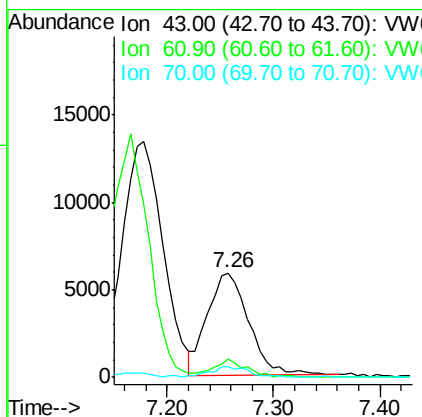
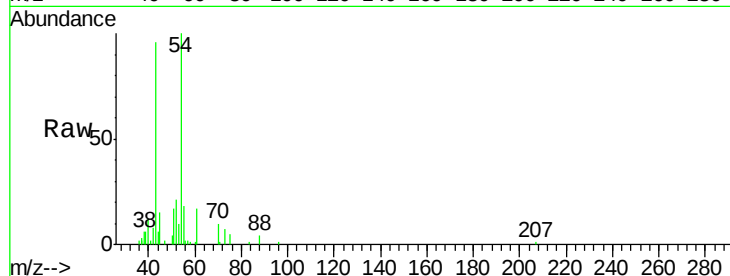
ClientSampled :

VSTDIC010

Tot Ion:	43	Resp:	15955
Ion	Ratio	Lower	Upper
43	100		
61	11.8	11.1	16.7
70	9.9	7.8	11.8

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 10.22 ug/l

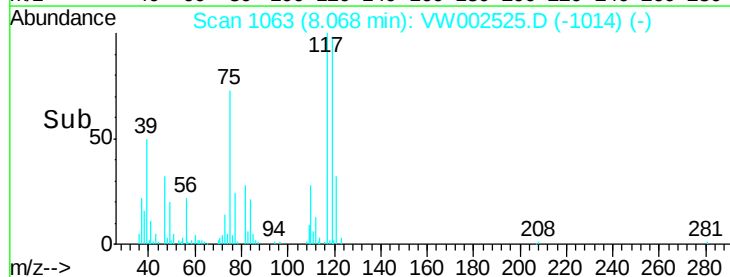
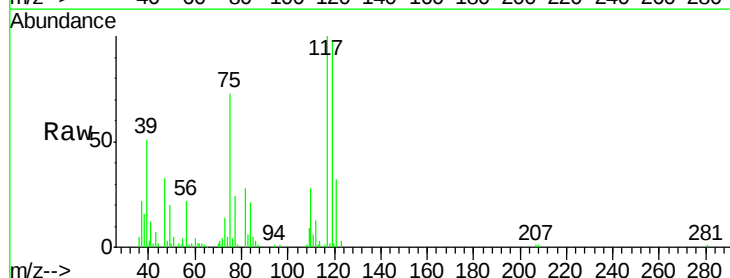
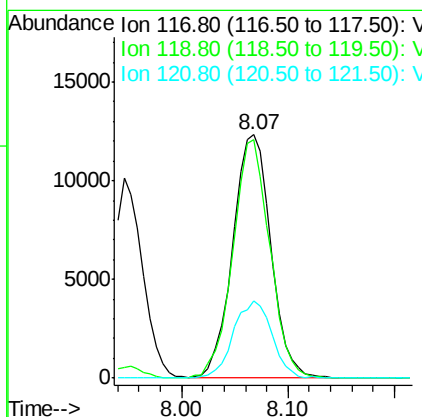
RT: 8.07 min Scan# 1063

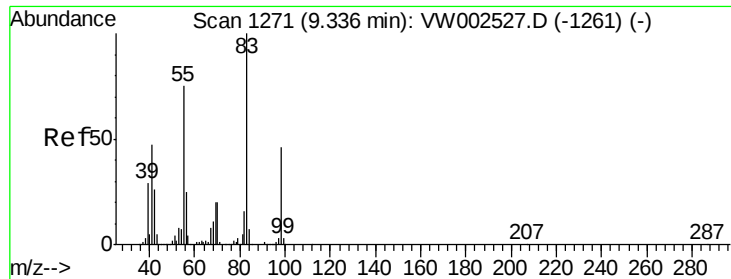
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	117	Resp:	31030
Ion	Ratio	Lower	Upper
117	100		
119	98.1	73.1	109.7
121	31.5	24.4	36.6





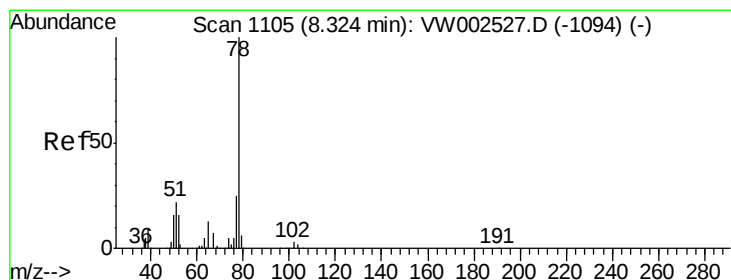
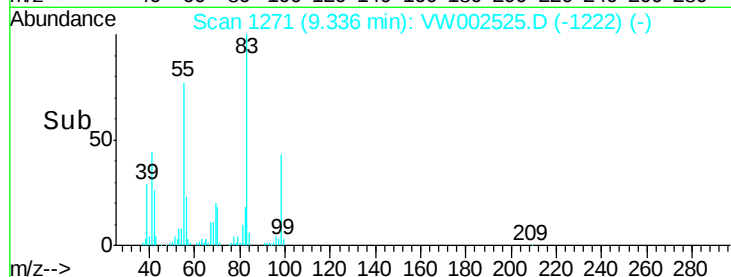
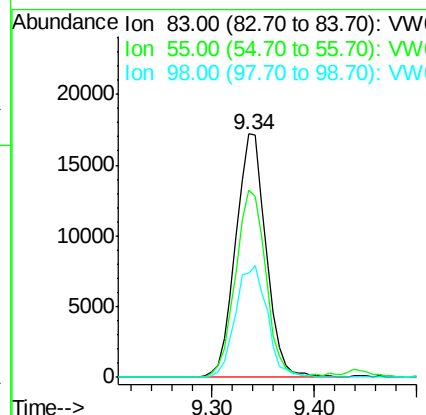
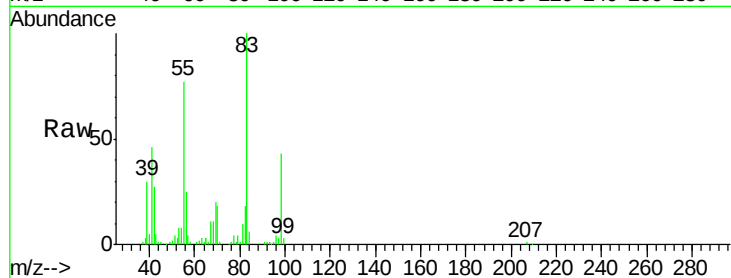
#39
Methvlcvclohexane
Concen: 9.75 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.1	60.0	90.0
98	42.8	37.0	55.4

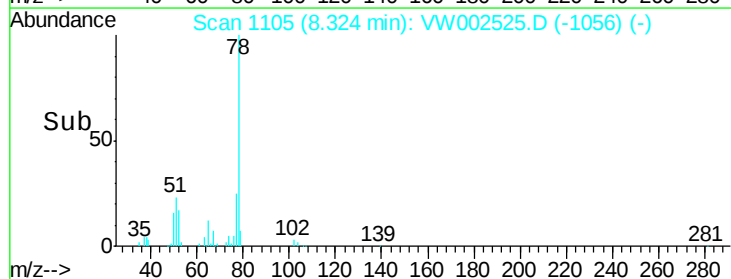
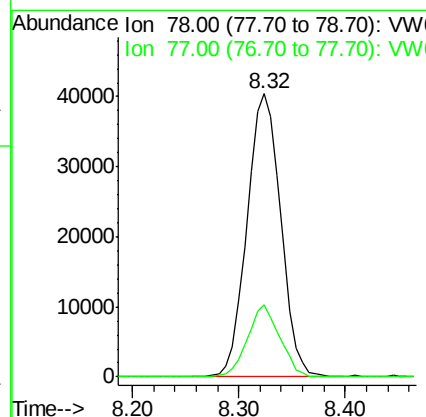
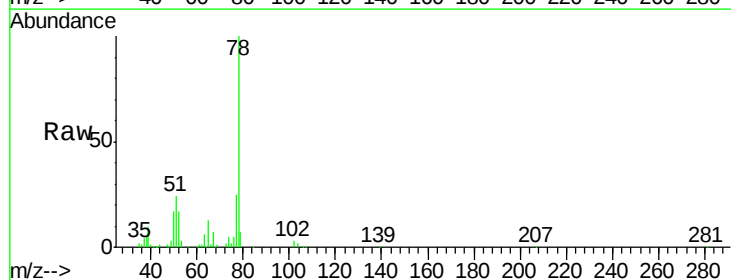
Manual Integrations
APPROVED

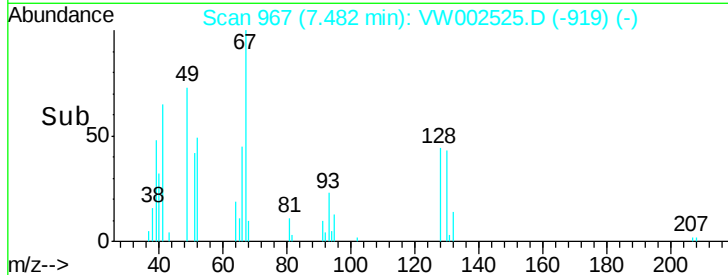
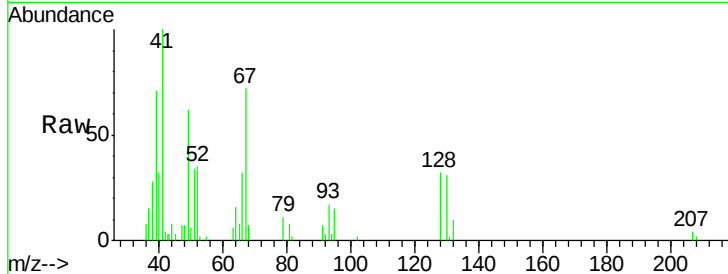
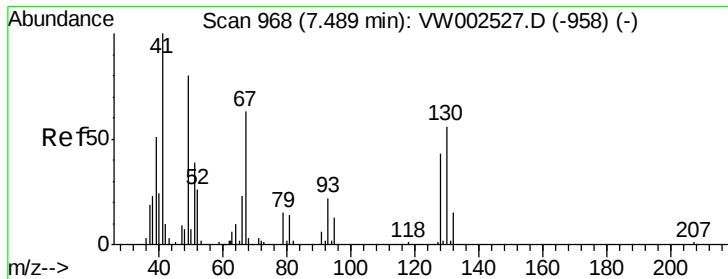
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#40
Benzene
Concen: 9.88 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.3	19.9	29.9





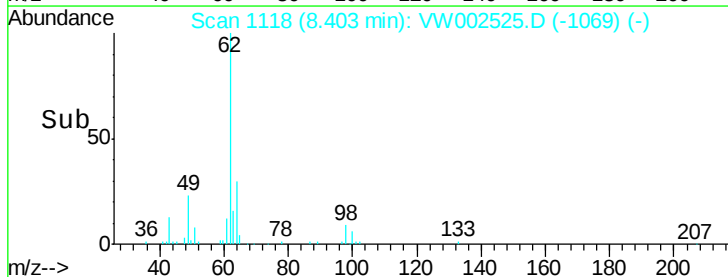
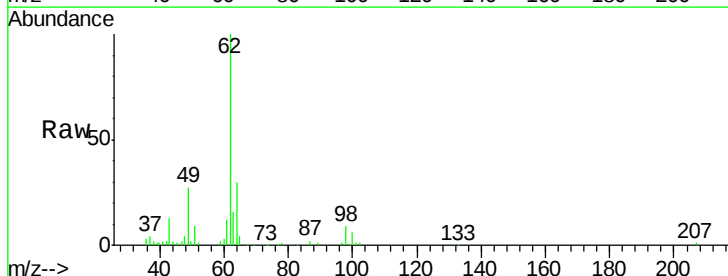
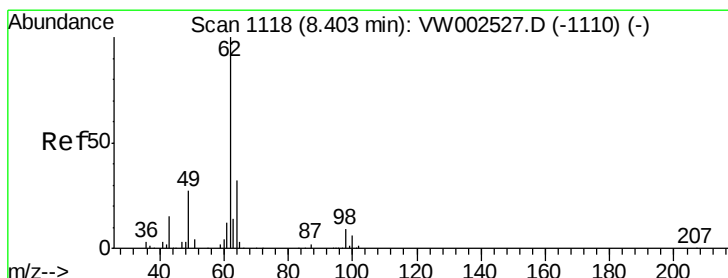
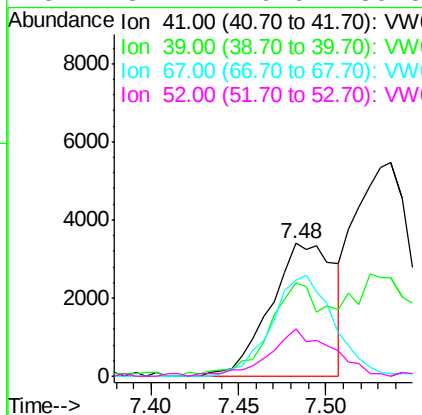
#41
Methacrylonitrile
Concen: 10.06 ug/l
RT: 7.48 min Scan# 967
Delta R.T. -0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		8700		
39	66.1	51.8	77.8		
67	74.2	59.9	89.9		
52	34.2	26.6	39.8		

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

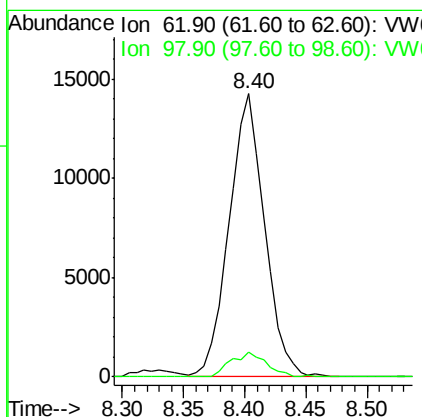
Manual Integrations
APPROVED

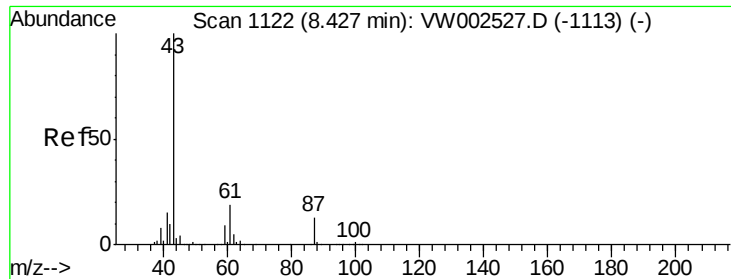
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#42
1,2-Dichloroethane
Concen: 10.03 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		28662		
98	8.9	0.0	17.8		





#43

Isopropyl Acetate

Concen: 9.70 ug/l

RT: 8.43 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

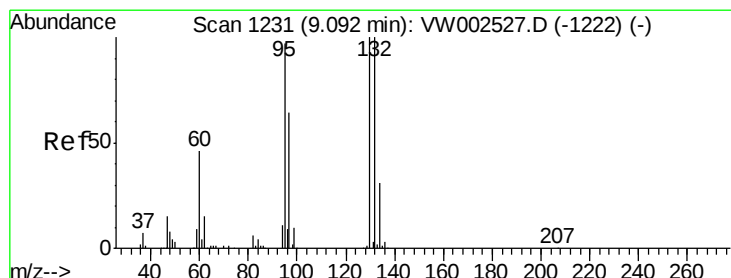
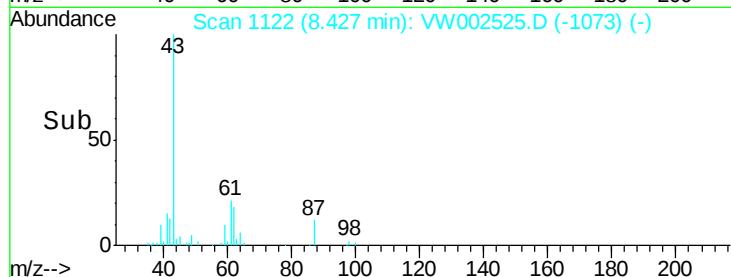
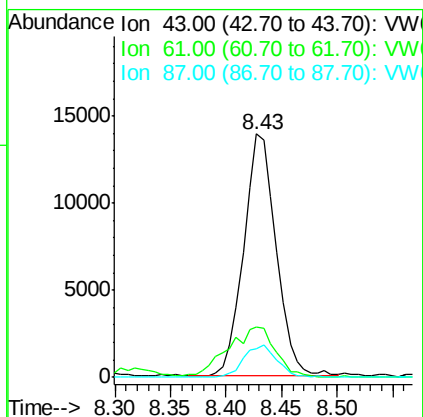
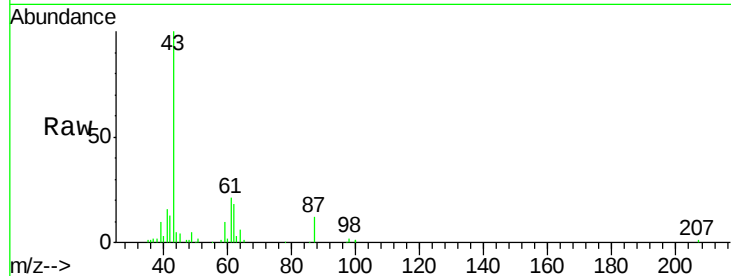
ClientSampleId :

VSTDIC010

Tot Ion:	43	Resp:	28342
Ion	Ratio	Lower	Upper
43	100		
61	30.5	23.0	34.6
87	13.7	10.6	15.8

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#44

Trichloroethene

Concen: 10.10 ug/l

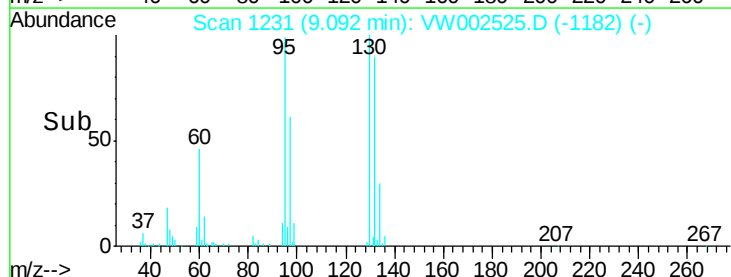
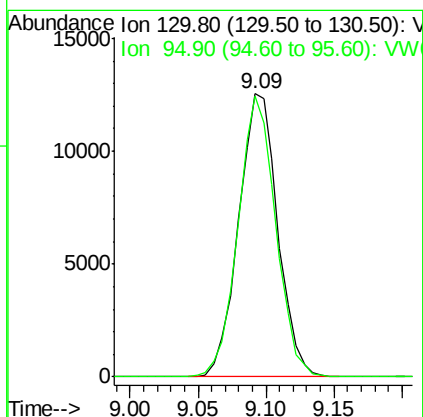
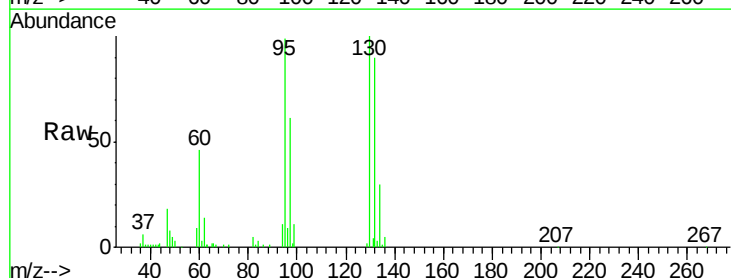
RT: 9.09 min Scan# 1231

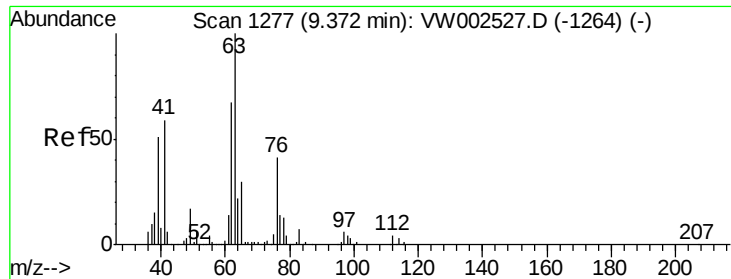
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	130	Resp:	25156
Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	194.6





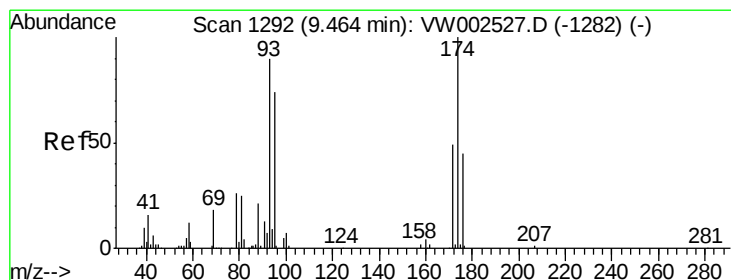
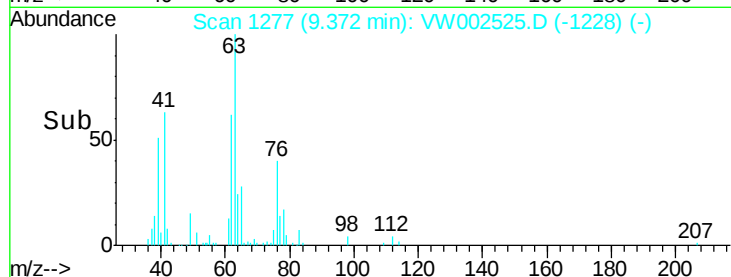
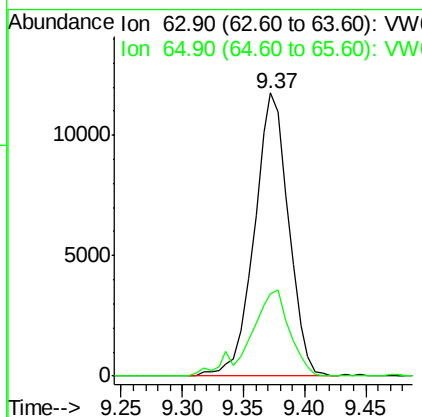
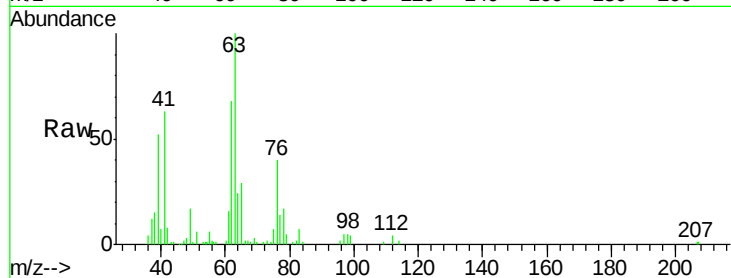
#45
 1,2-Dichloropropane
 Concen: 9.97 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.1	24.4	36.6

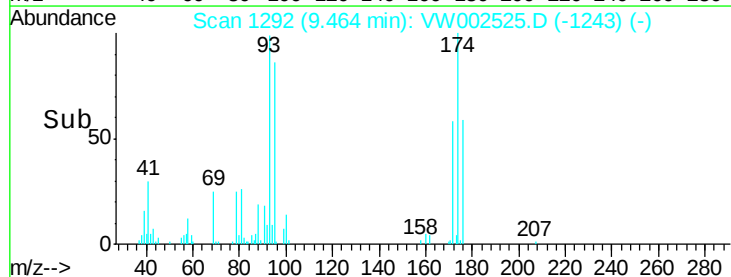
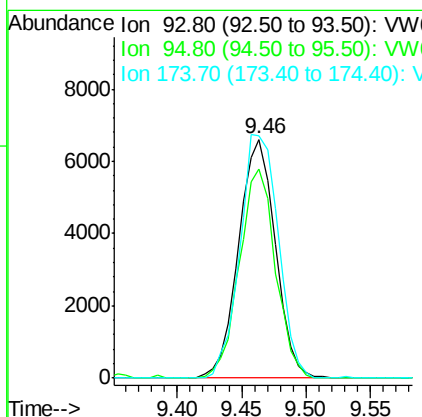
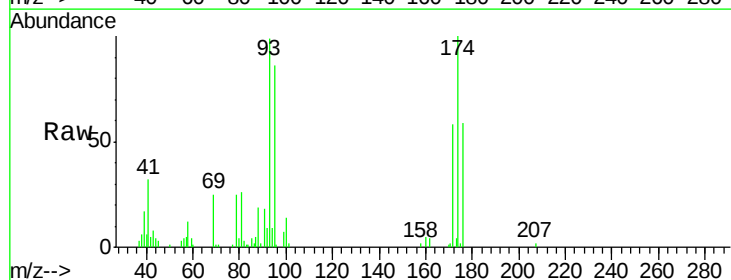
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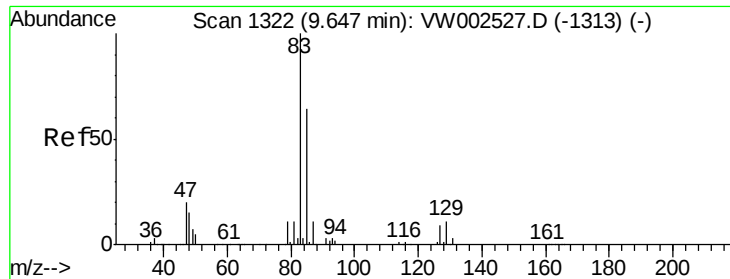
apatel
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#46
 Dibromomethane
 Concen: 10.16 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
93	100		
95	85.5	66.6	100.0
174	106.2	84.0	126.0





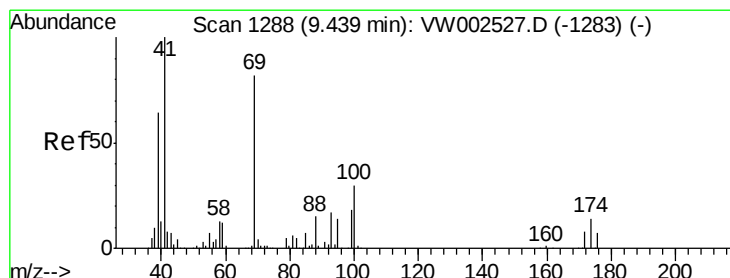
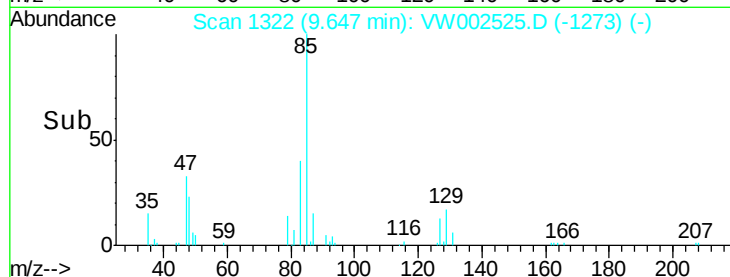
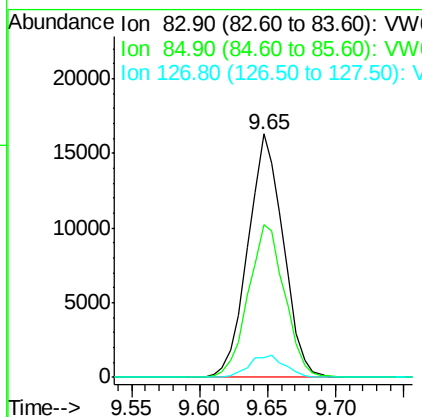
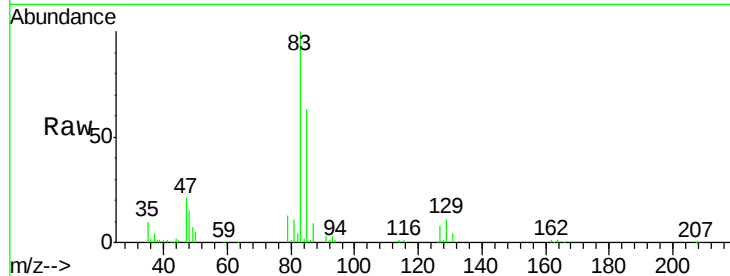
#47
Bromodichloromethane
Concen: 9.79 ug/l
RT: 9.65 min Scan# 1322
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
83	100	29628		
85	62.6		51.4	77.2
127	7.9		7.0	10.4

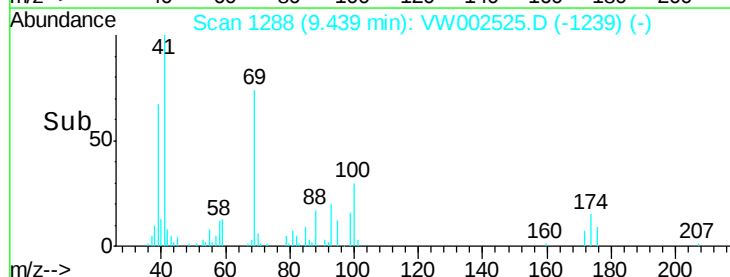
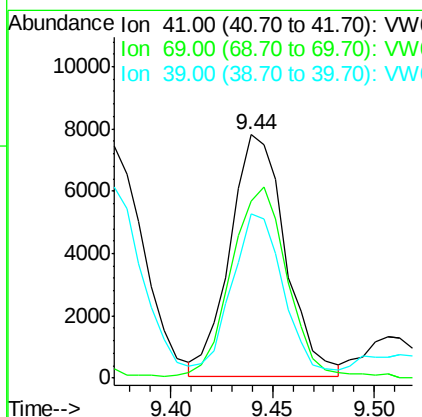
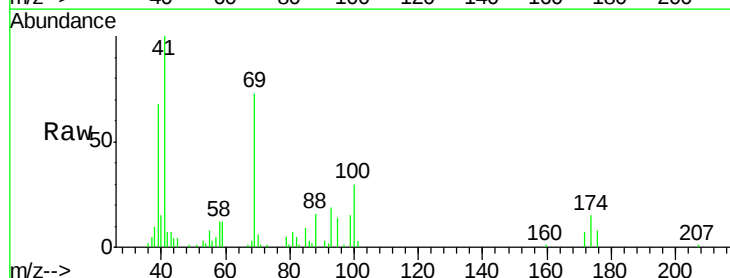
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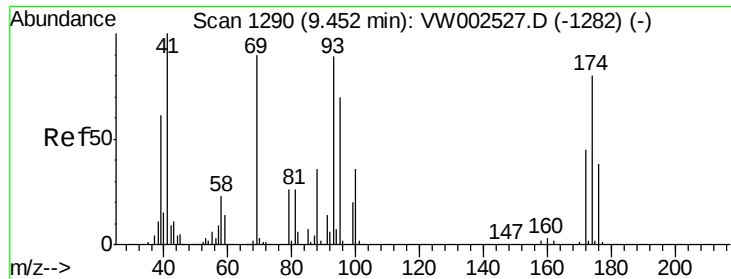
apatel
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#48
Methyl methacrylate
Concen: 10.35 ug/l
RT: 9.44 min Scan# 1288
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	14653		
69	80.6		69.7	104.5
39	65.5		55.0	82.4





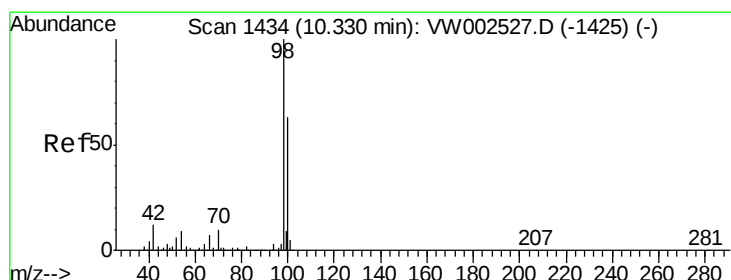
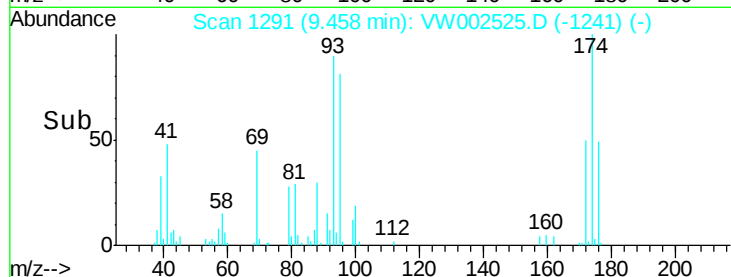
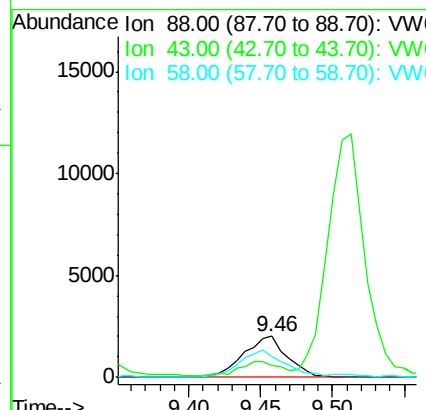
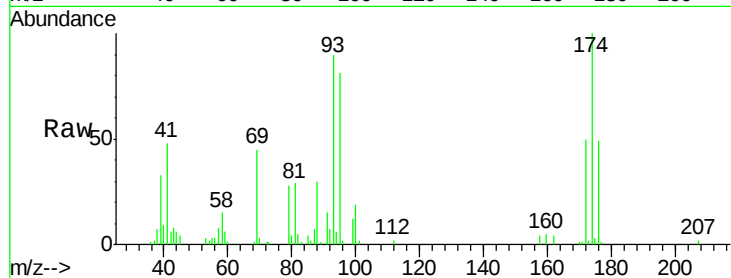
#49
1,4-Dioxane
Concen: 204.06 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.8	27.0	40.4
58	68.0	56.9	85.3

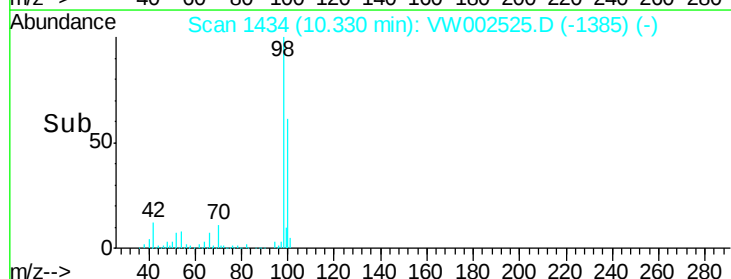
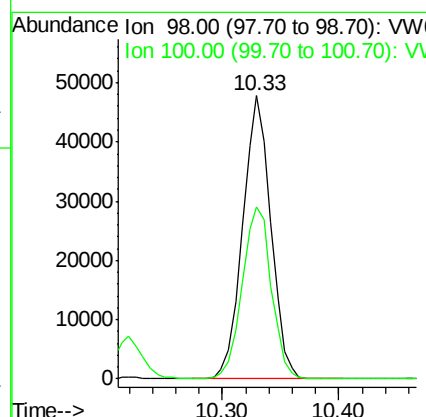
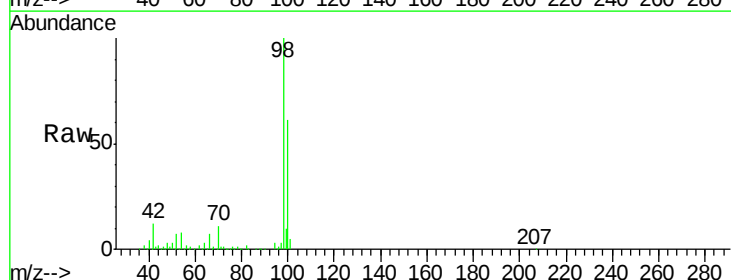
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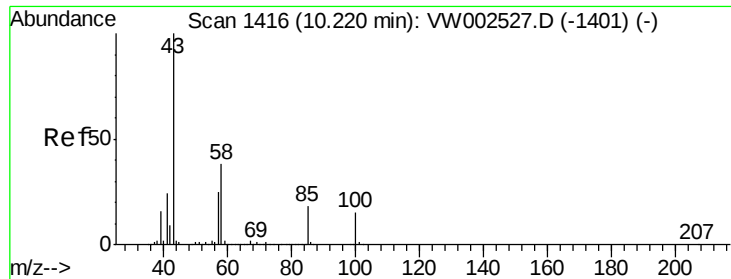
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#50
Toluene-d8
Concen: 9.54 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.0	51.0	76.4





#51

4-Methyl-2-Pentanone

Concen: 49.11 ug/l

RT: 10.22 min Scan# 1416

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 43 Resp: 79463

Ion Ratio Lower Upper

43 100

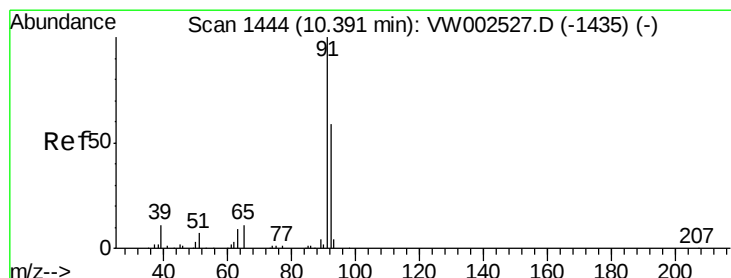
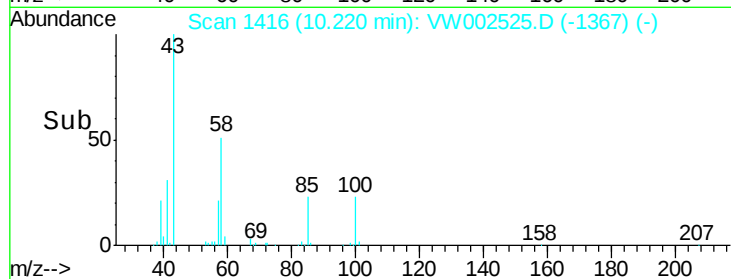
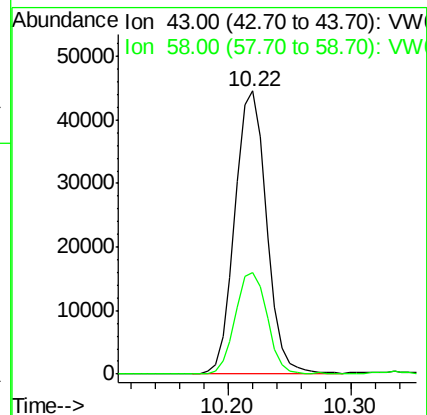
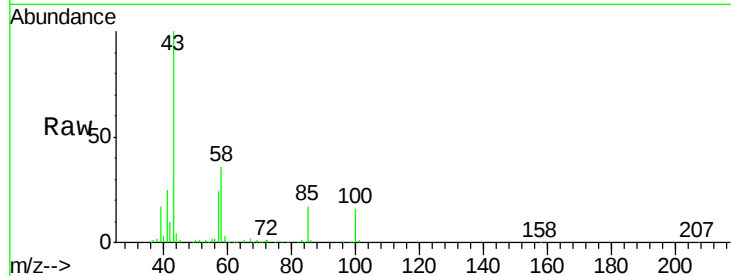
58 36.4 30.1 45.1

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#52

Toluene

Concen: 9.57 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW002525.D

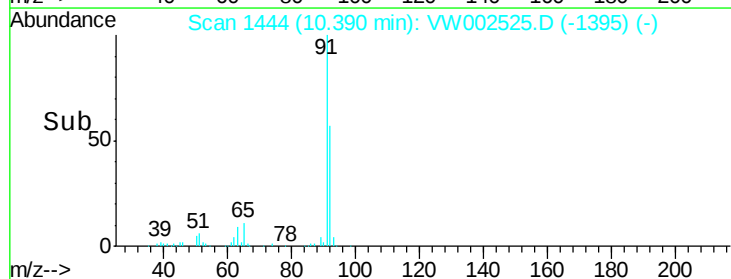
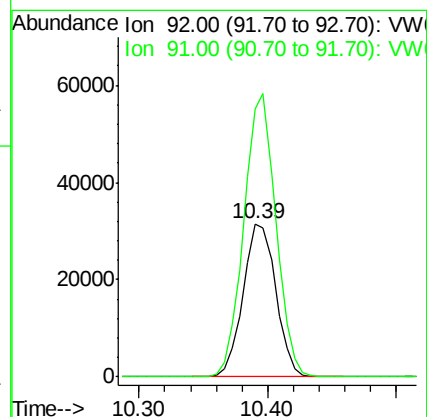
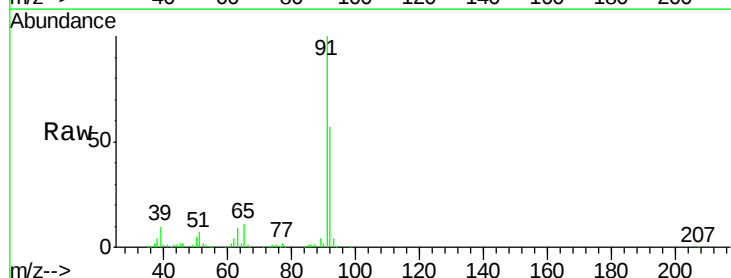
Acq: 14 May 2018 21:16

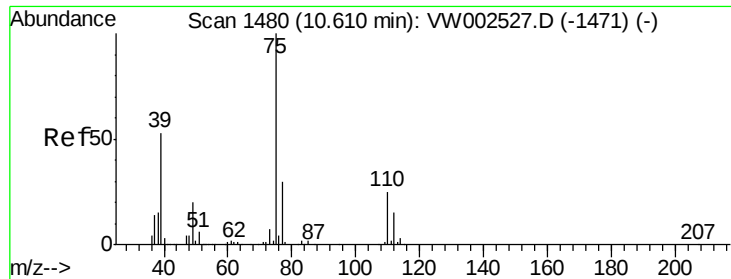
Tgt Ion: 92 Resp: 55343

Ion Ratio Lower Upper

92 100

91 180.3 139.1 208.7





#53

t-1,3-Dichloropropene

Concen: 9.62 ug/l

RT: 10.61 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

ClientSampled :

VSTDIC010

Tot Ion: 75 Resp: 28882

Ion Ratio Lower Upper

75 100

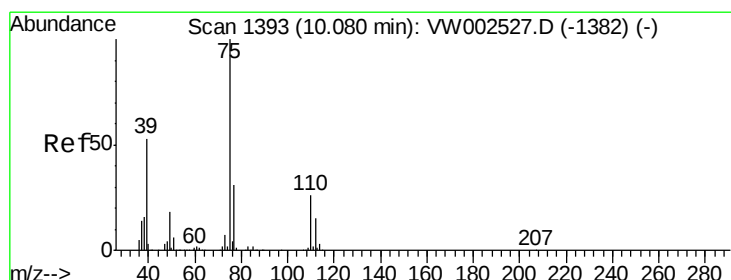
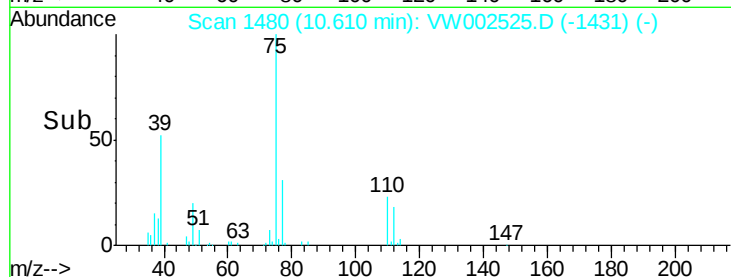
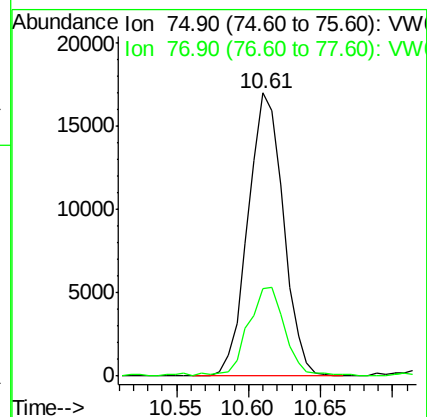
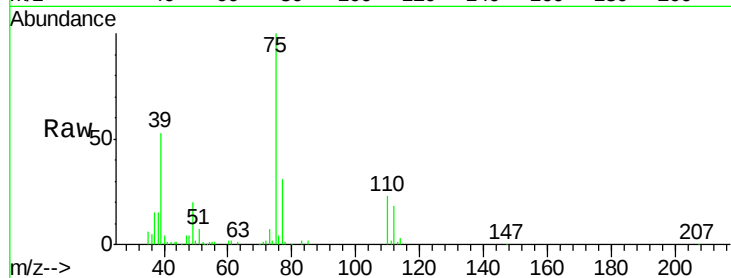
77 30.4 24.1 36.1

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#54

cis-1,3-Dichloropropene

Concen: 9.77 ug/l

RT: 10.08 min Scan# 1393

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

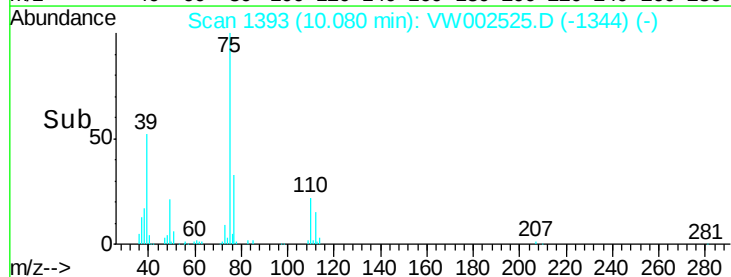
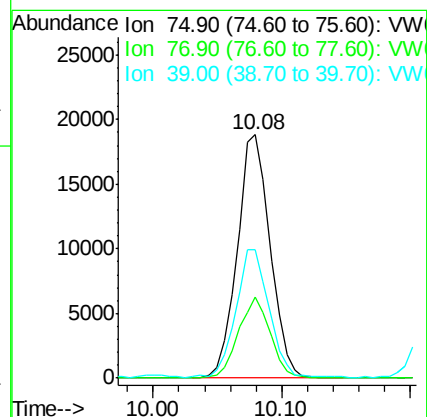
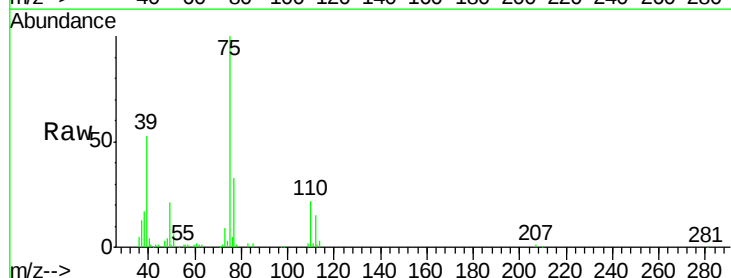
Tgt Ion: 75 Resp: 33316

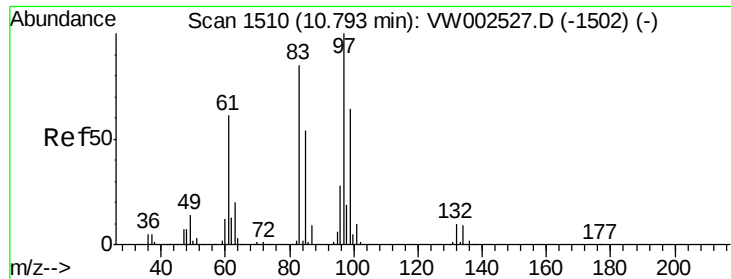
Ion Ratio Lower Upper

75 100

77 33.1 25.0 37.4

39 52.5 42.5 63.7





#55

1,1,2-Trichloroethane

Concen: 10.25 ug/l

RT: 10.79 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

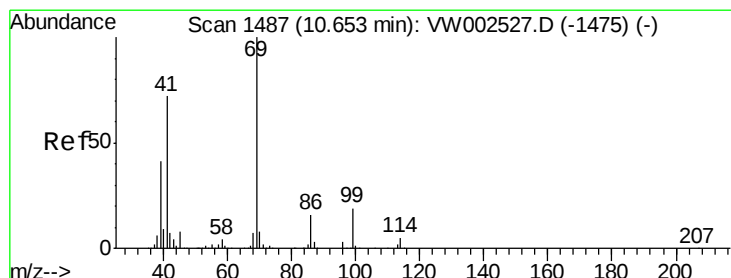
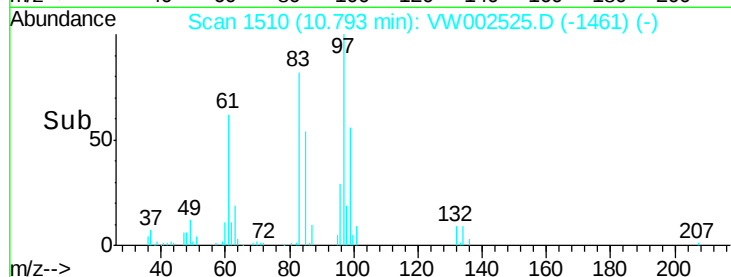
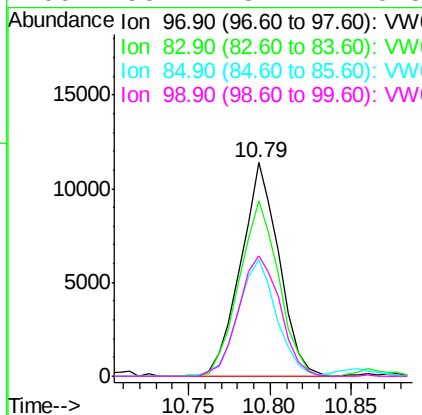
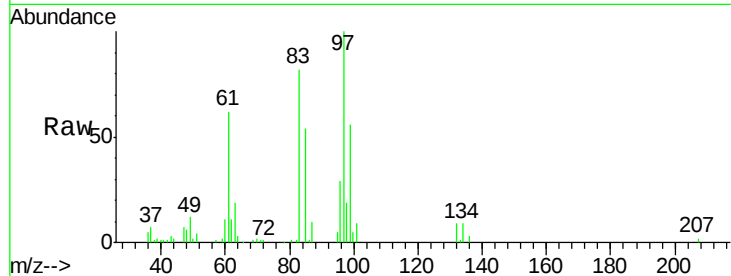
ClientSampleId :

VSTDIC010

Tot Ion:	97	Resp:	18567
Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.1	102.1
85	54.4	43.6	65.4
99	56.1	51.2	76.8

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#56

Ethyl methacrylate

Concen: 9.41 ug/l

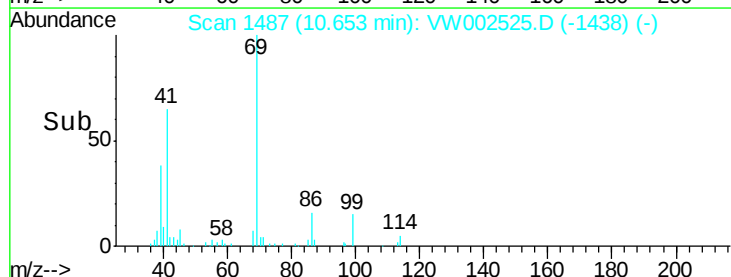
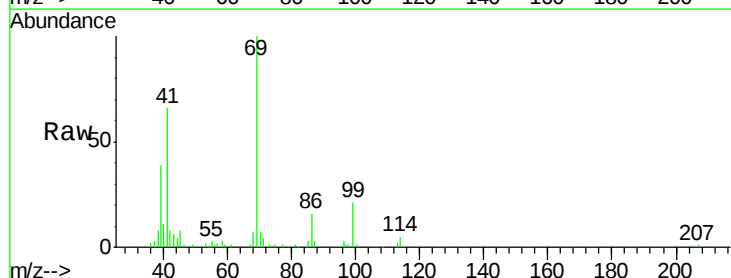
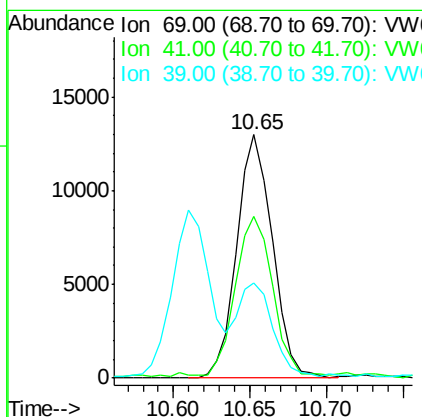
RT: 10.65 min Scan# 1487

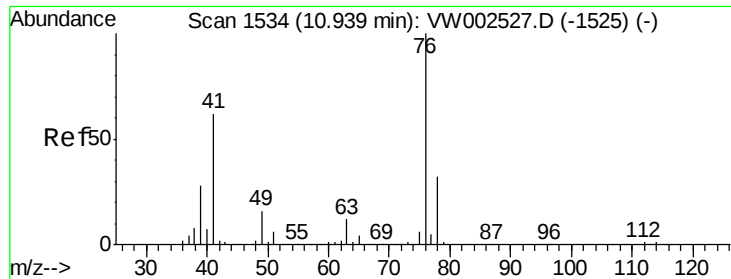
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	69	Resp:	21122
Ion	Ratio	Lower	Upper
69	100		
41	67.2	55.3	82.9
39	38.2	33.0	49.6





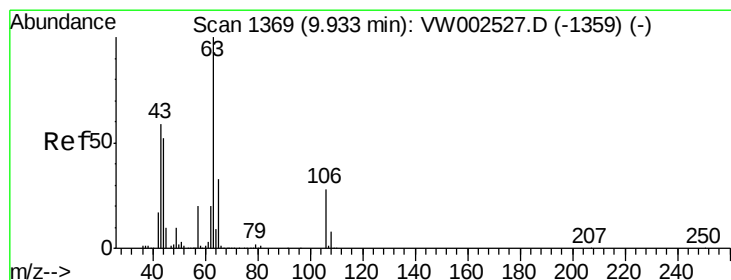
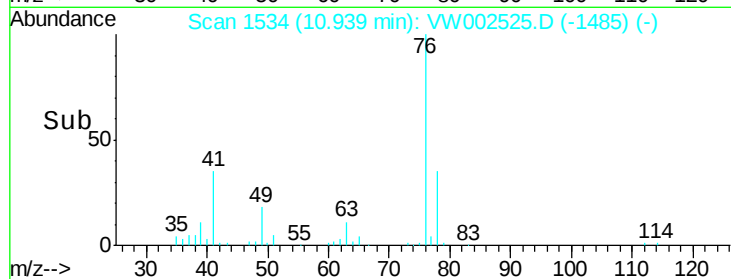
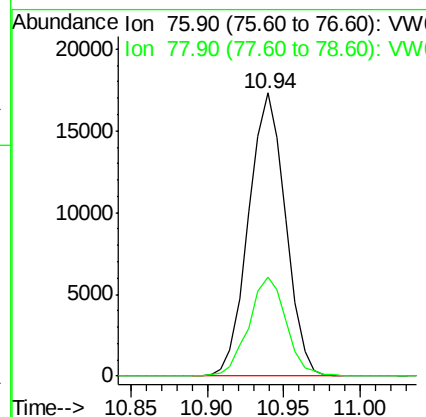
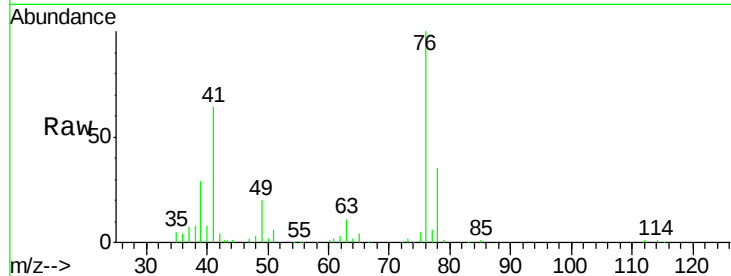
#57
 1,3-Dichloropropane
 Concen: 9.47 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
76	100		
78	35.3	25.6	38.4

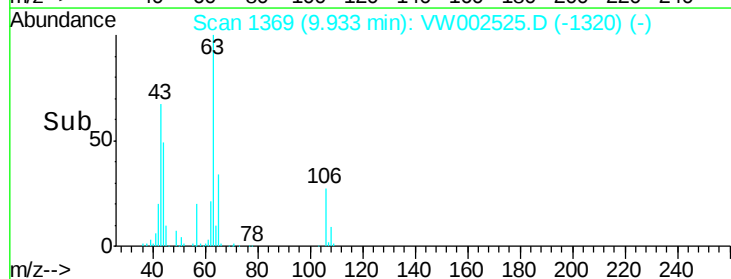
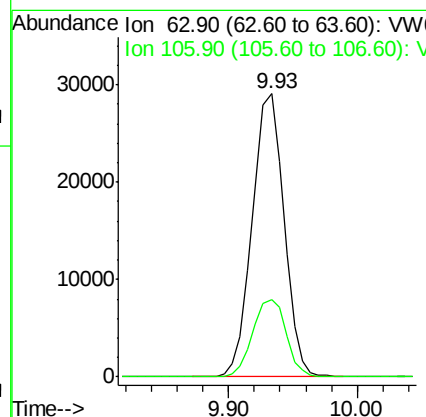
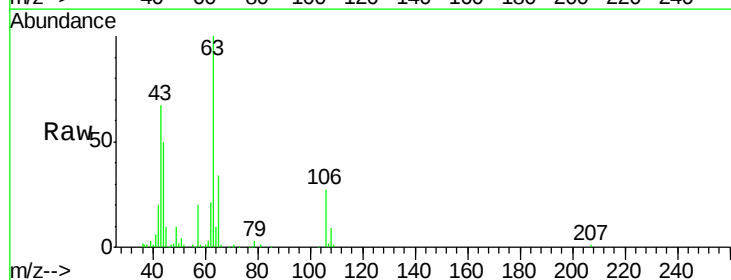
Manual Integrations
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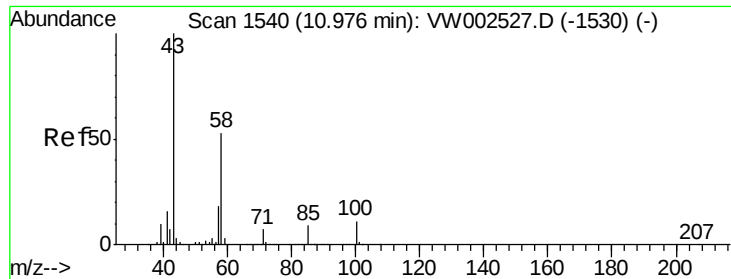
apatel
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#58
 2-Chloroethyl Vinyl ether
 Concen: 45.51 ug/l
 RT: 9.93 min Scan# 1369
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.6	22.9	34.3





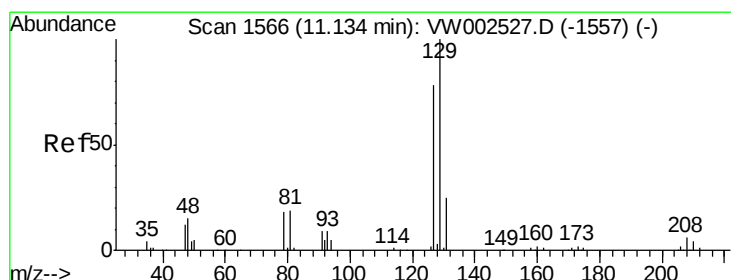
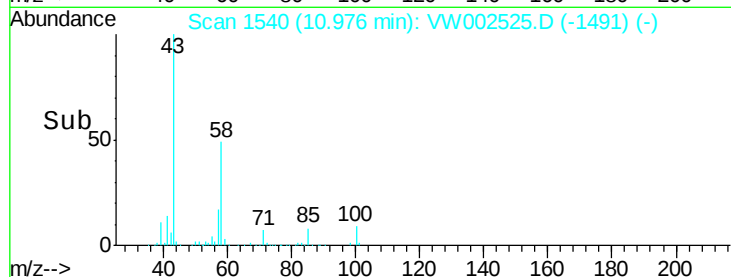
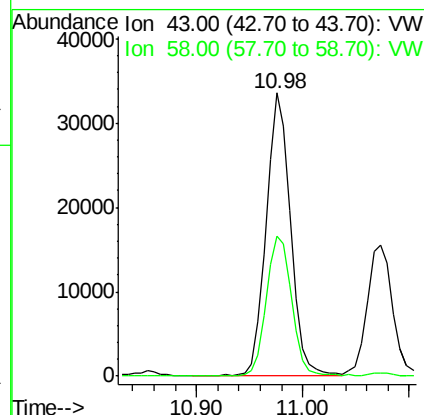
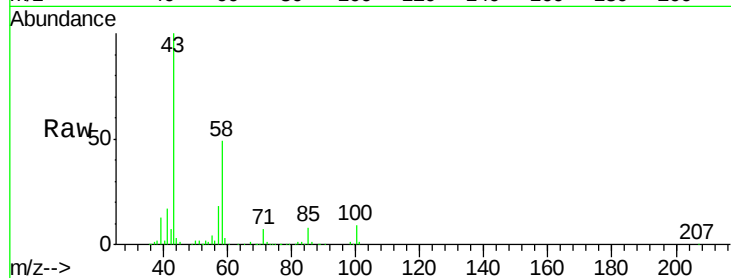
#59
2-Hexanone
Concen: 48.93 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	43	Resp	54249
Ion Ratio	100	Lower	Upper
43	100		
58	51.3	26.3	78.8

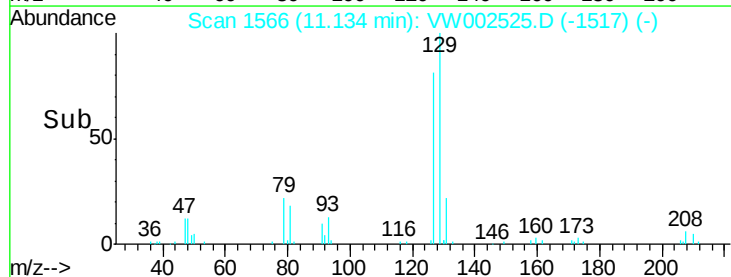
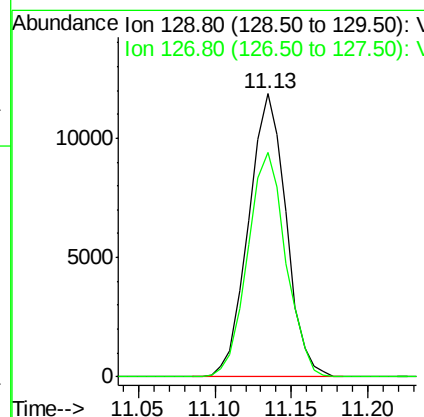
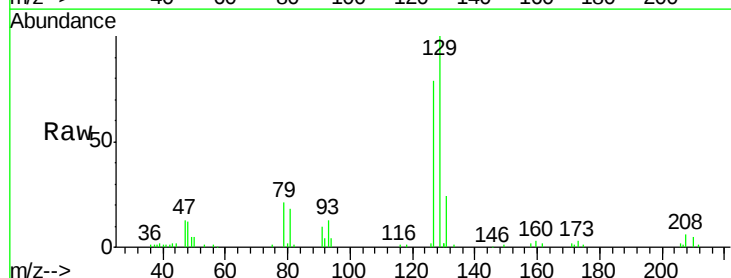
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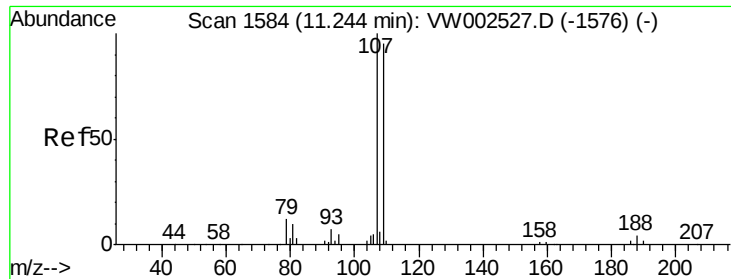
apatel
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#60
Dibromochloromethane
Concen: 9.48 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	129	Resp	20301
Ion Ratio	100	Lower	Upper
129	100		
127	80.6	38.6	115.7





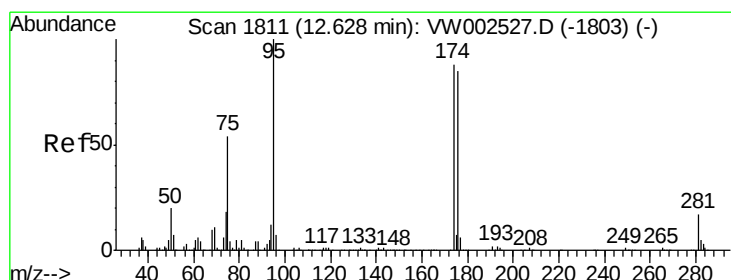
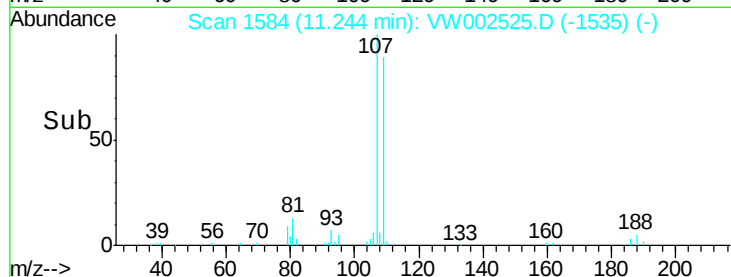
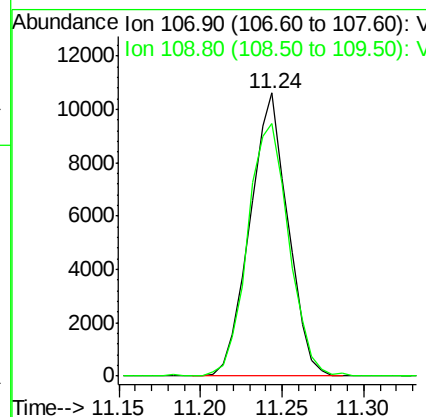
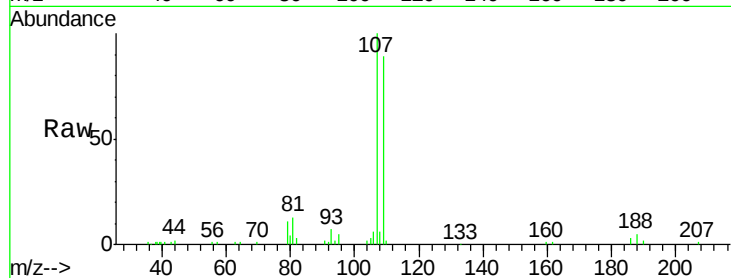
#61
 1,2-Dibromoethane
 Concen: 9.77 ug/l
 RT: 11.24 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion: 107 Resp: 17255
 Ion Ratio Lower Upper
 107 100
 109 96.9 75.4 113.2

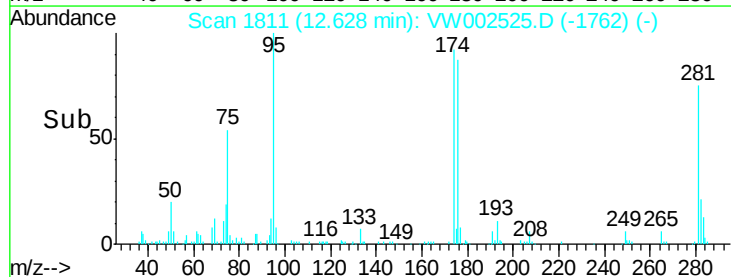
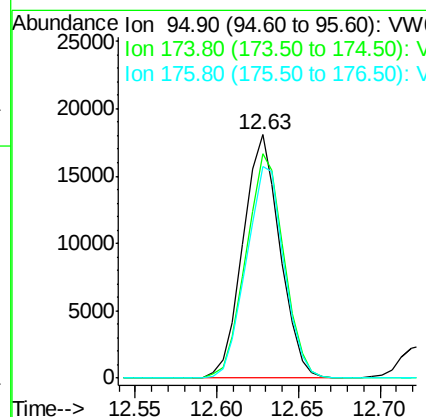
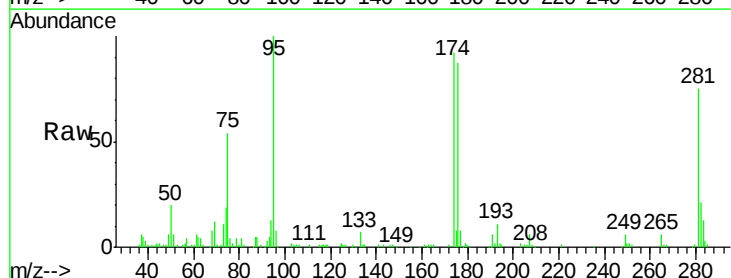
Manual Integrations
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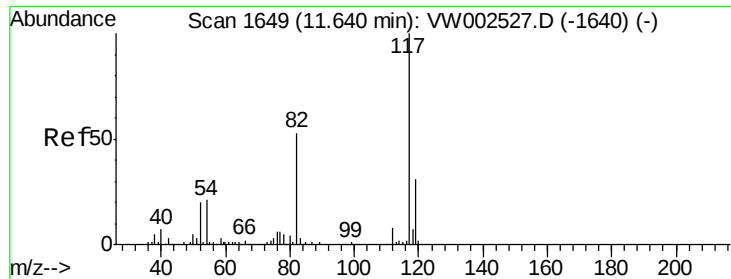
apatel
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#62
 4-Bromofluorobenzene
 Concen: 9.37 ug/l
 RT: 12.63 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion: 95 Resp: 28627
 Ion Ratio Lower Upper
 95 100
 174 93.8 0.0 176.6
 176 89.0 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: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

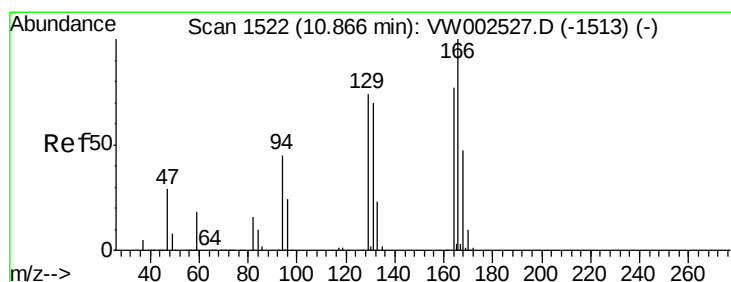
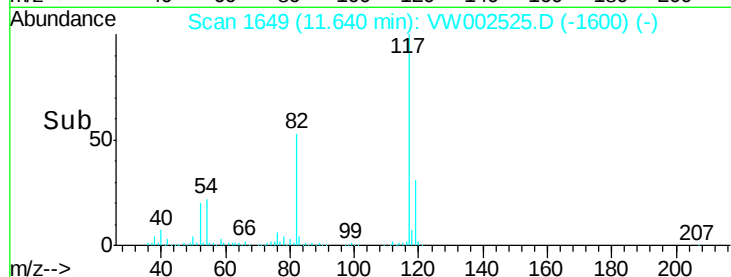
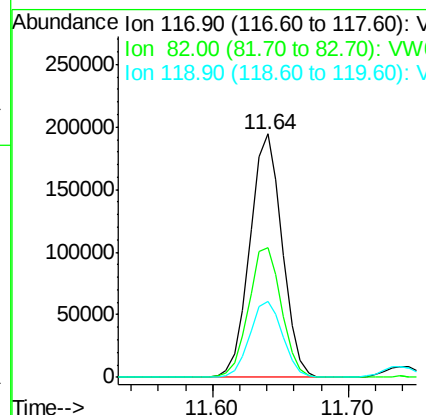
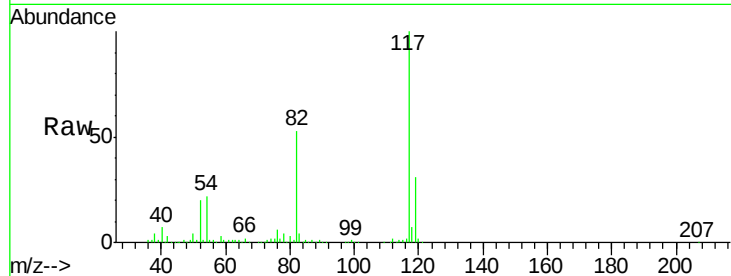
ClientSampled :

VSTDIC010

Tot Ion:	117	Resp:	321944
Ion Ratio	Lower	Upper	
117	100		
82	53.1	42.6	64.0
119	31.3	25.0	37.6

Manual Integrations
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#64

Tetrachloroethene

Concen: 9.53 ug/l

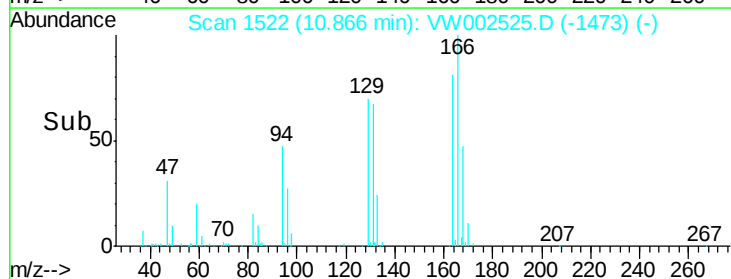
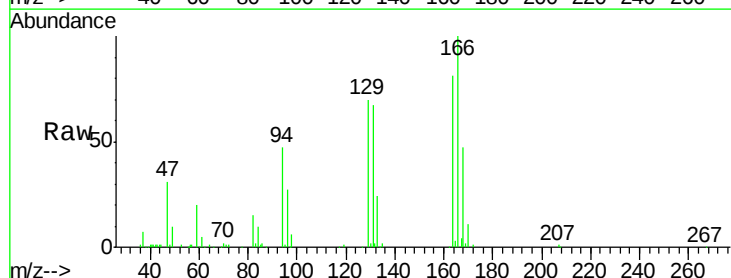
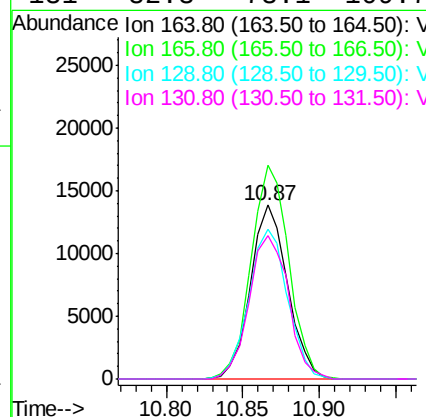
RT: 10.87 min Scan# 1522

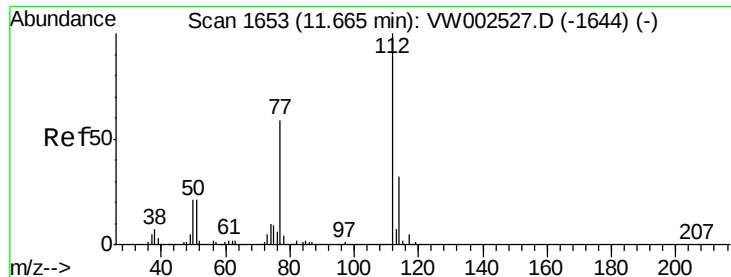
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	164	Resp:	23300
Ion Ratio	Lower	Upper	
164	100		
166	123.0	104.2	156.2
129	86.5	77.0	115.4
131	82.3	73.1	109.7





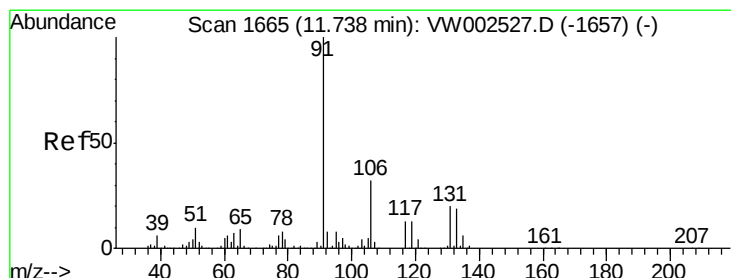
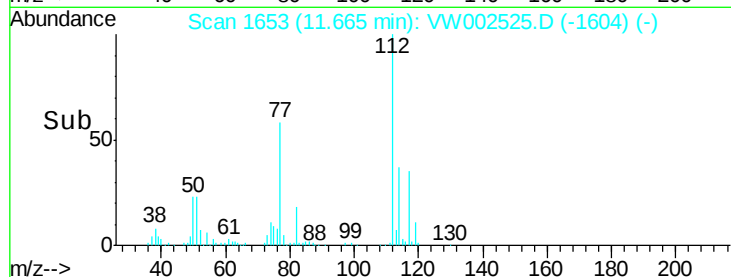
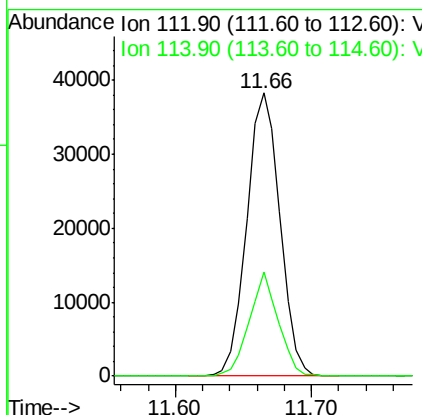
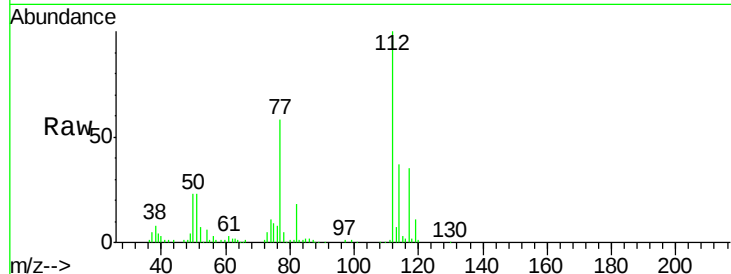
#65
Chlorobenzene
Concen: 9.99 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
112	100		
114	36.7	25.3	37.9

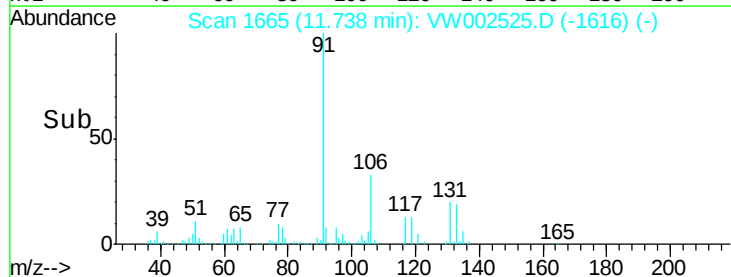
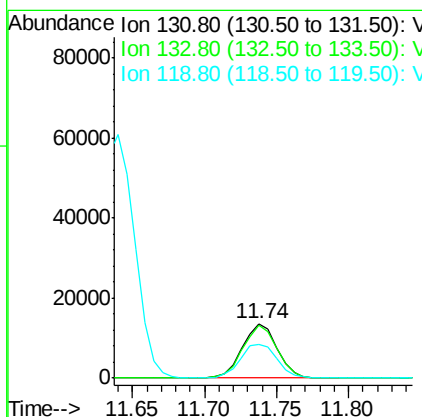
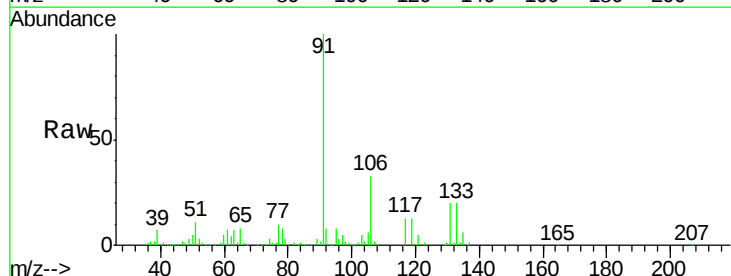
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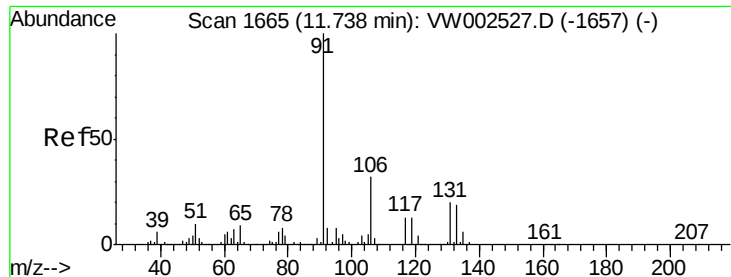
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#66
1,1,1,2-Tetrachloroethane
Concen: 9.74 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	48.4	145.3
119	66.3	32.2	96.6





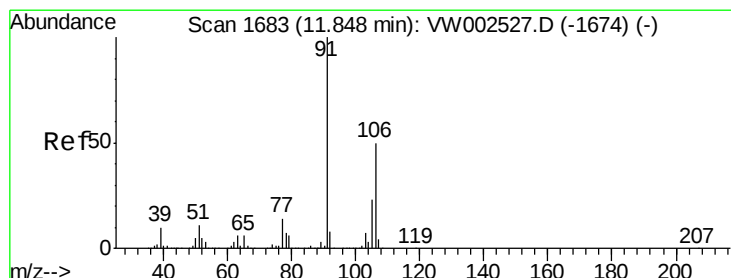
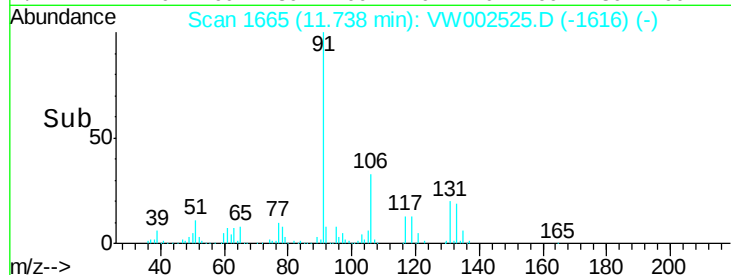
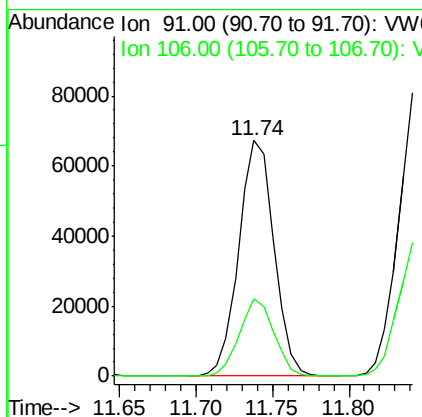
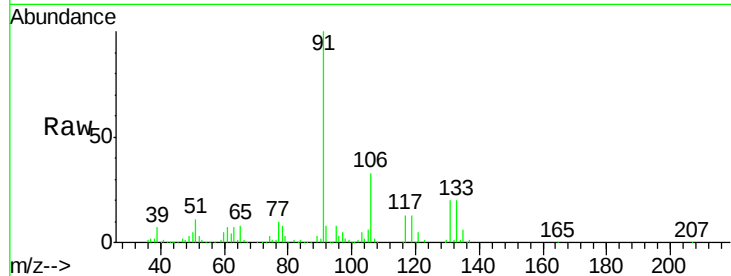
#67
Ethyl Benzene
Concen: 9.54 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion: 91 Resp: 107543
Ion Ratio Lower Upper
91 100
106 32.8 25.4 38.0

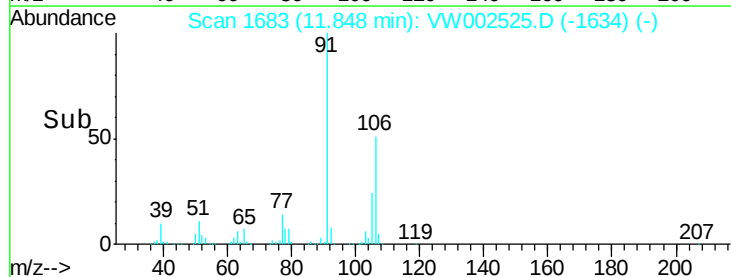
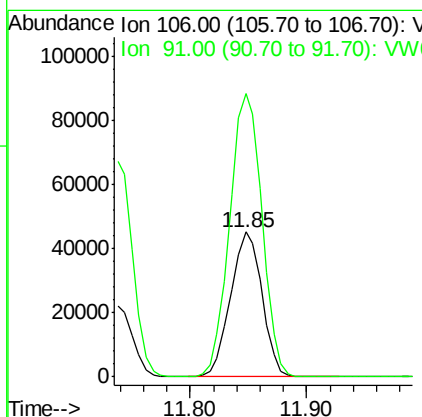
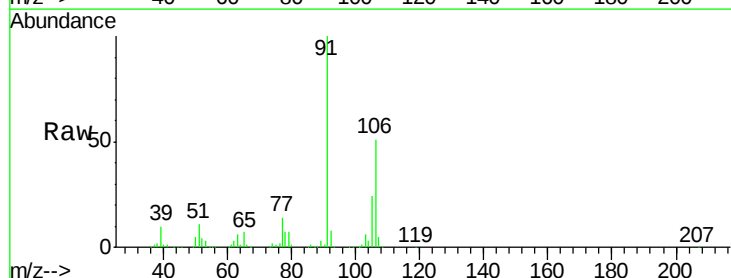
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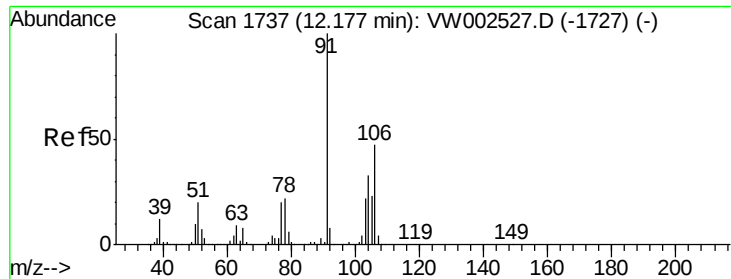
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#68
m/p-Xylenes
Concen: 19.59 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion: 106 Resp: 85111
Ion Ratio Lower Upper
106 100
91 200.3 161.4 242.2





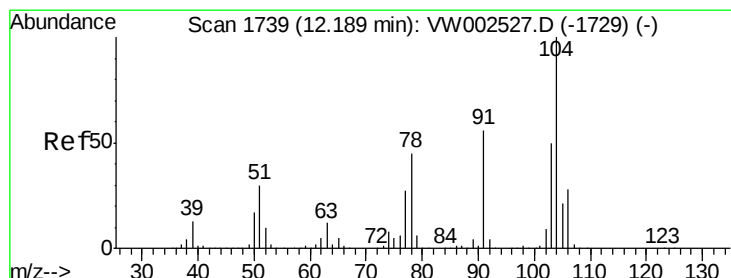
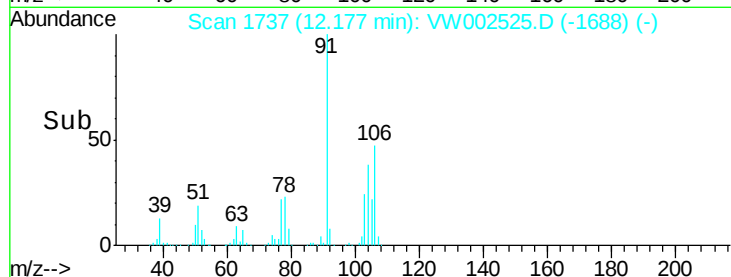
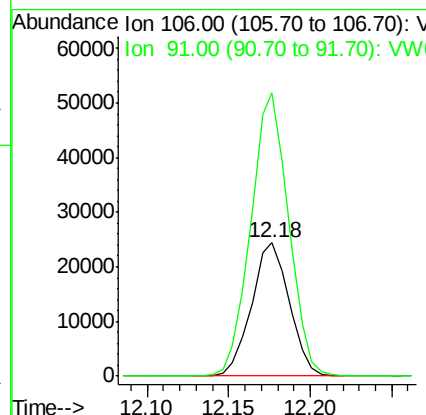
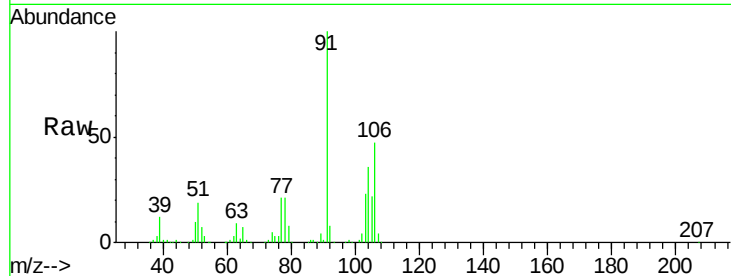
#69
o-Xylene
Concen: 9.55 ug/l
RT: 12.18 min Scan# 1737
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		39478		
91	211.9	106.7	320.2		

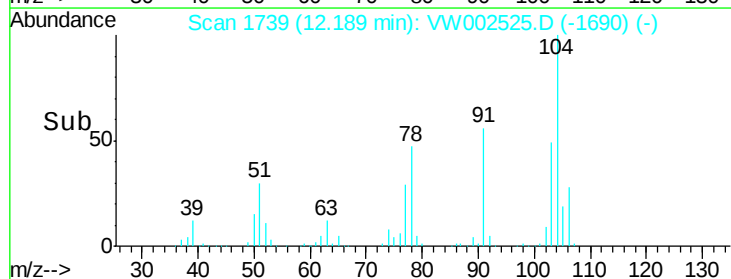
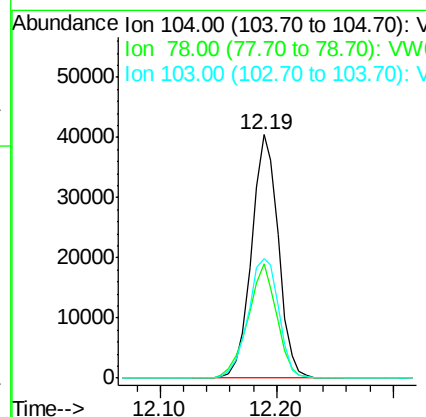
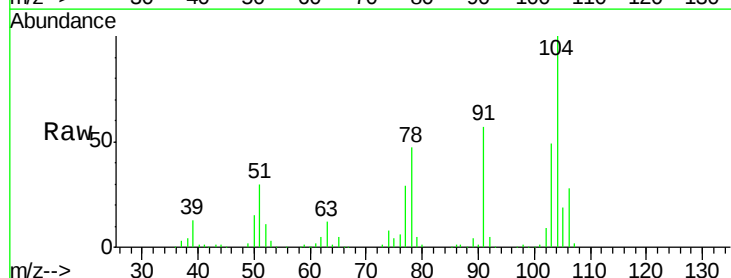
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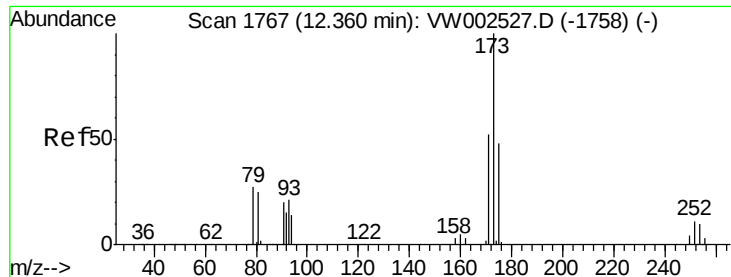
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#70
Styrene
Concen: 9.47 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		64919		
78	50.8	40.1	60.1		
103	56.0	44.6	66.8		





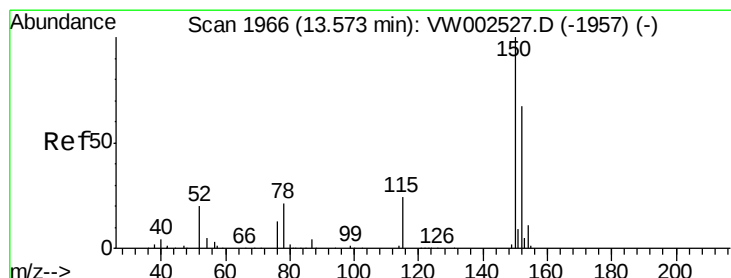
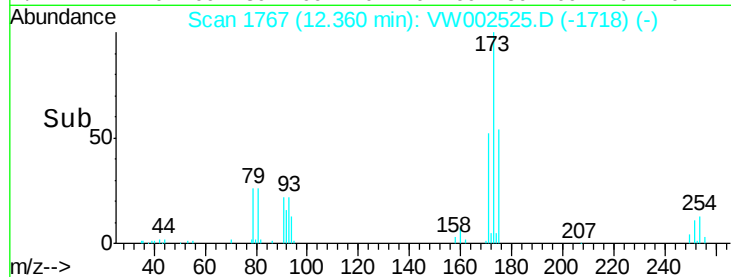
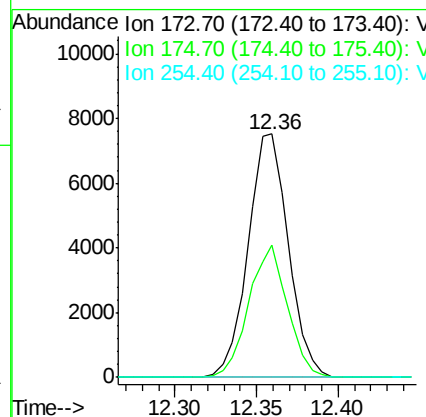
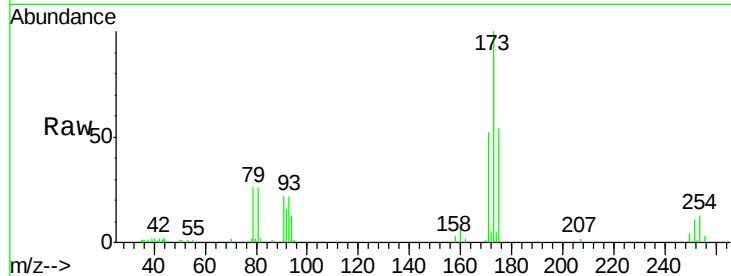
#71
Bromoform
Concen: 9.55 ug/l
RT: 12.36 min Scan# 1767
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
173	100		
175	52.1	24.5	73.5
254	0.0	0.1	0.1#

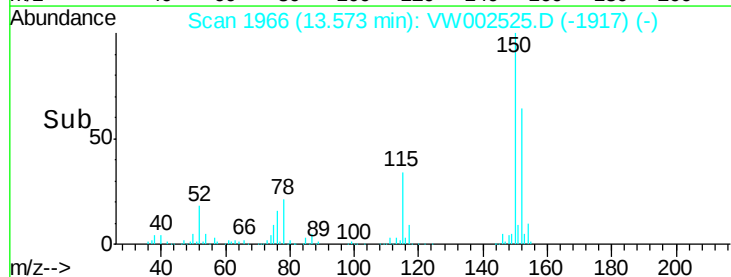
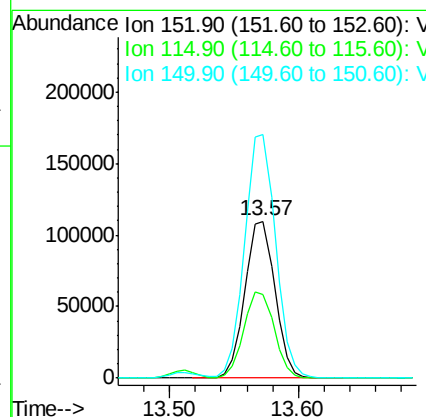
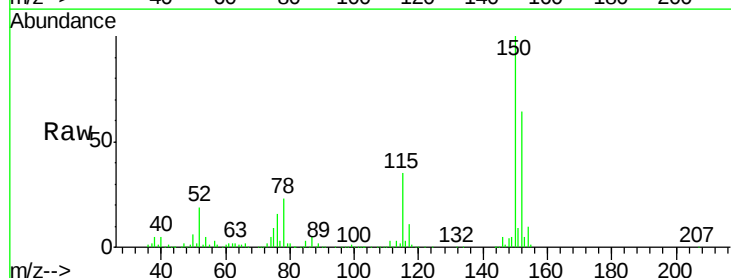
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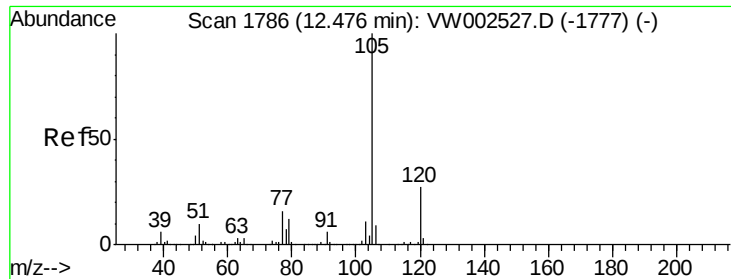
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.57 min Scan# 1966
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.6	28.0	84.0
150	159.9	0.0	345.4





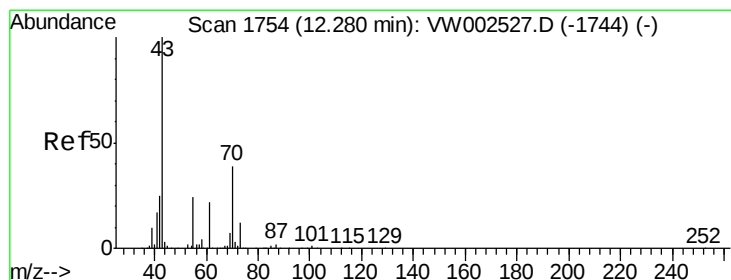
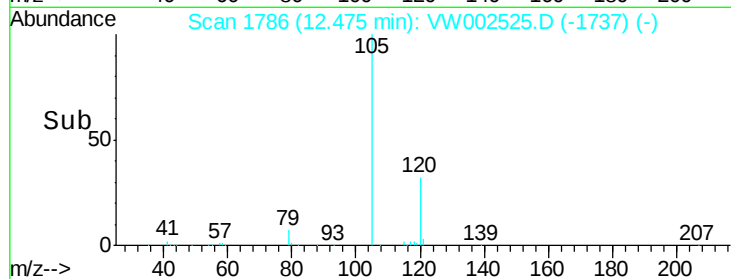
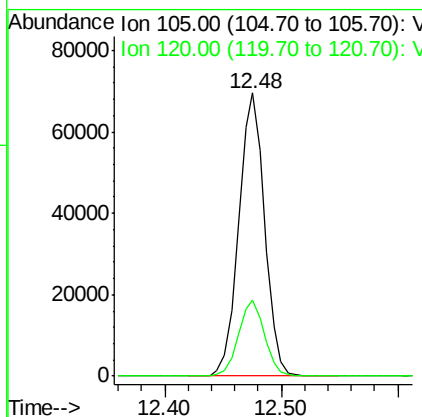
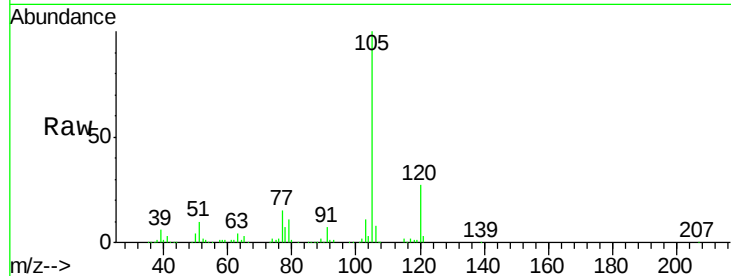
#73
Isopropylbenzene
Concen: 9.36 ug/l
RT: 12.48 min Scan# 1786
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	107180		
120	27.1	13.4	40.2	

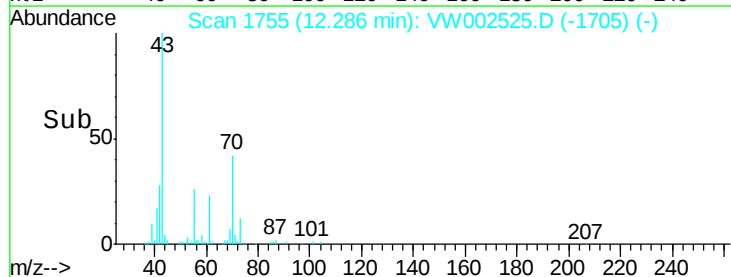
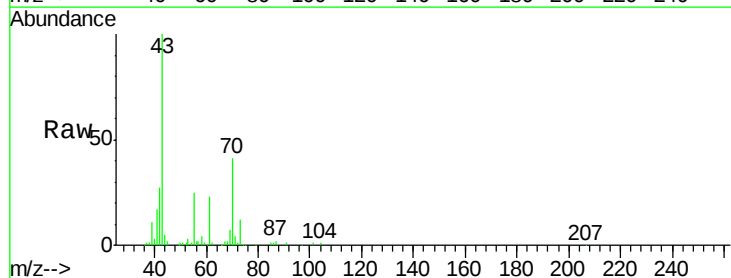
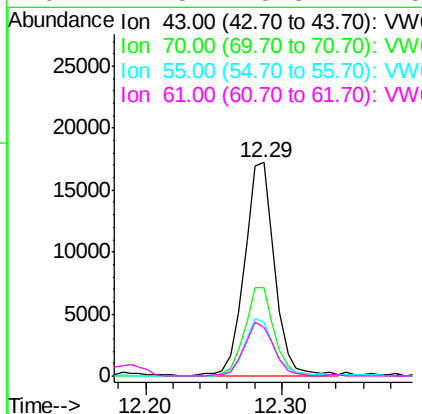
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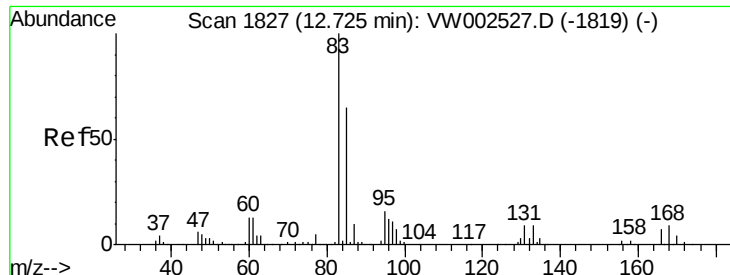
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#74
N-ethyl acetate
Concen: 9.18 ug/l
RT: 12.29 min Scan# 1755
Delta R.T. 0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	26525		
70	41.1	31.9	47.9	
55	26.5	19.4	29.0	
61	24.5	18.3	27.5	





#75

1,1,2,2-Tetrachloroethane

Concen: 10.25 ug/l

RT: 12.73 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

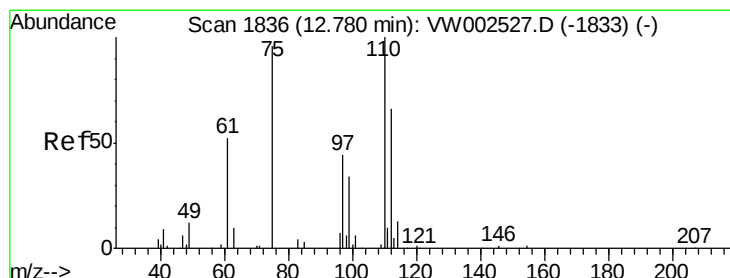
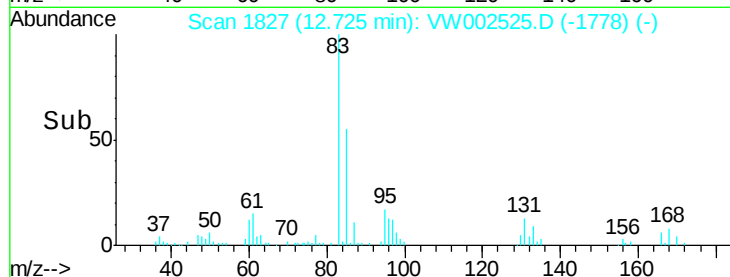
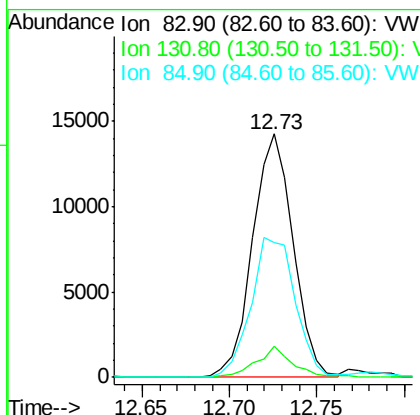
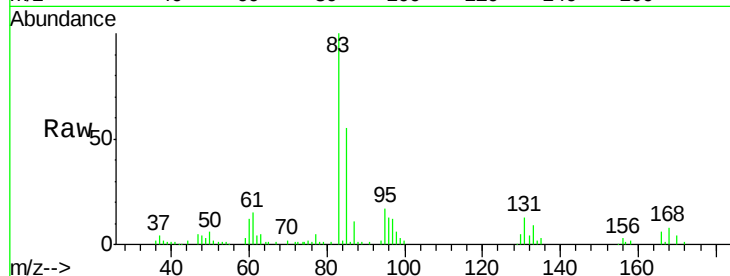
ClientSampled :

VSTDIC010

Tot Ion:	83	Resp:	22940
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.4	16.2
85	63.1	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 10.20 ug/l m

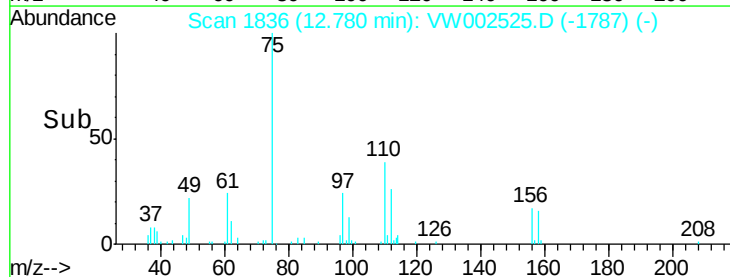
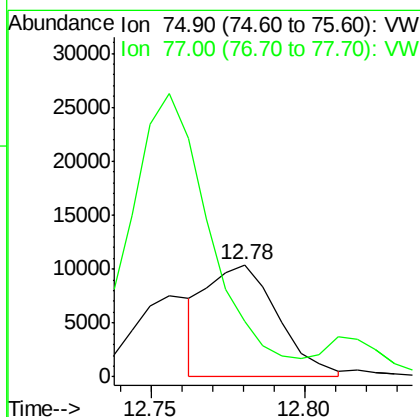
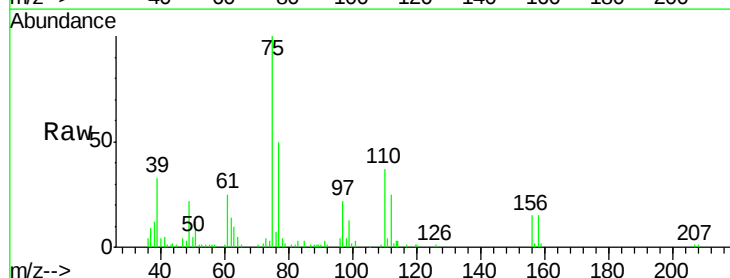
RT: 12.78 min Scan# 1836

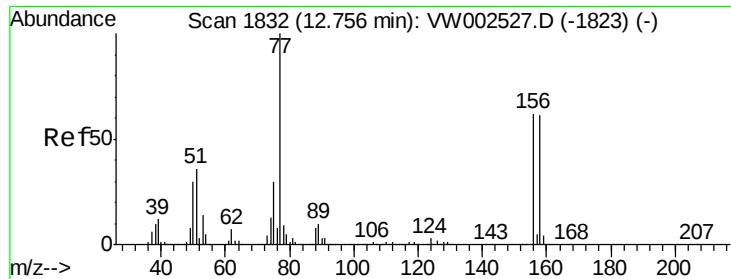
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	75	Resp:	16687
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 9.81 ug/l

RT: 12.76 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

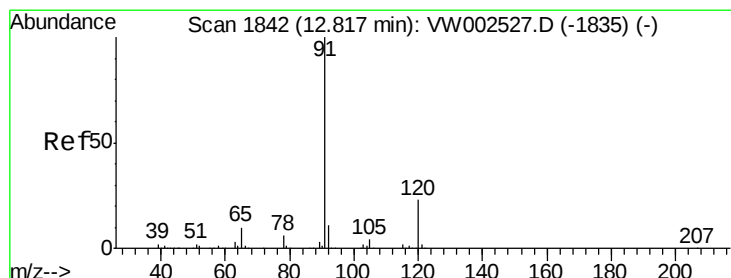
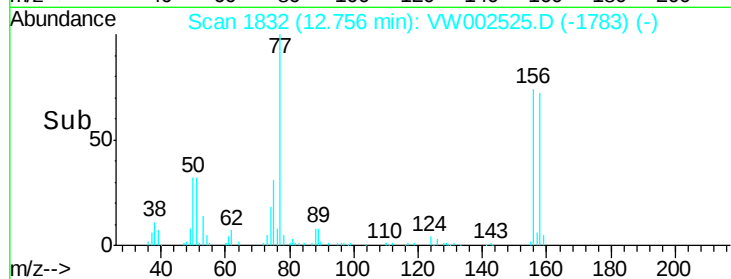
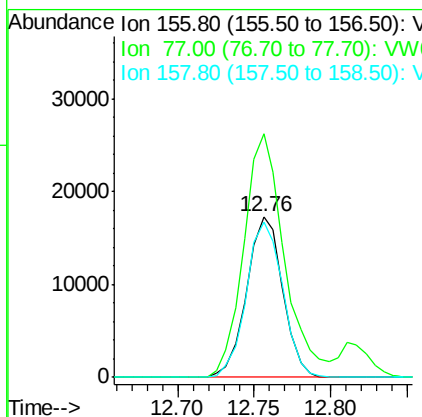
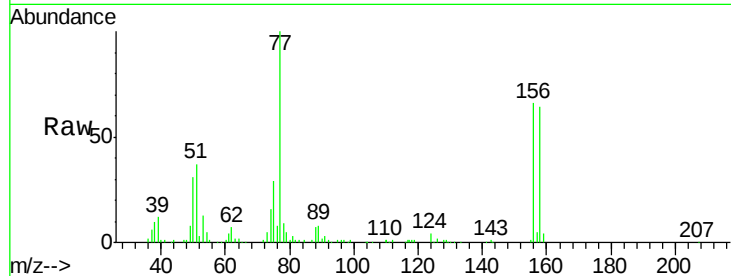
ClientSampled :

VSTDIC010

Tot Ion:	156	Resp:	28366
Ion Ratio	Lower	Upper	
156	100		
77	170.5	89.8	269.4
158	97.7	48.8	146.3

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#78

n-propylbenzene

Concen: 9.63 ug/l

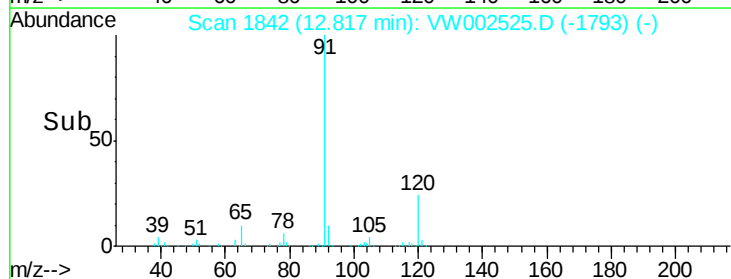
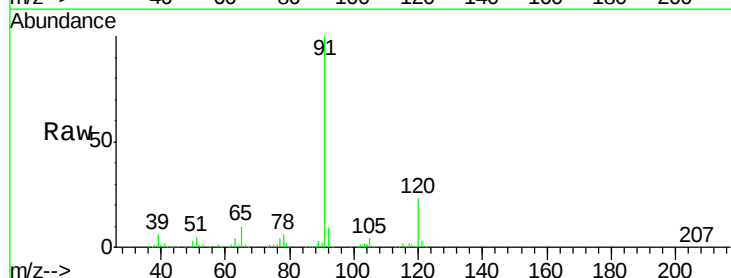
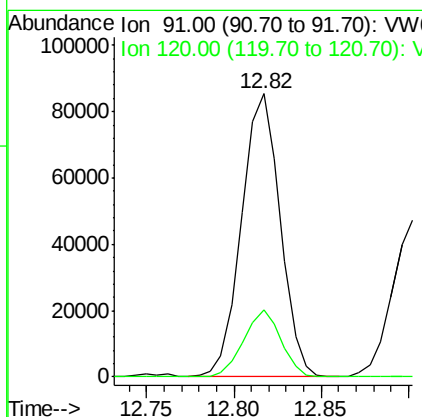
RT: 12.82 min Scan# 1842

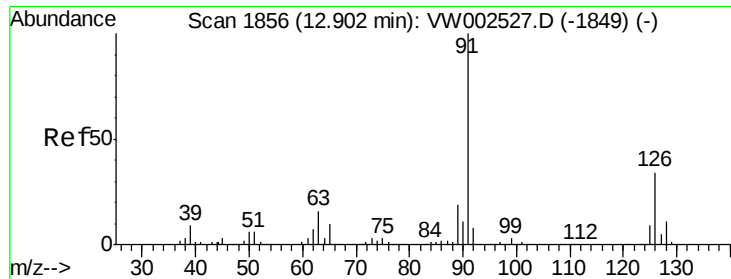
Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	91	Resp:	130731
Ion Ratio	Lower	Upper	
91	100		
120	22.9	11.7	35.1





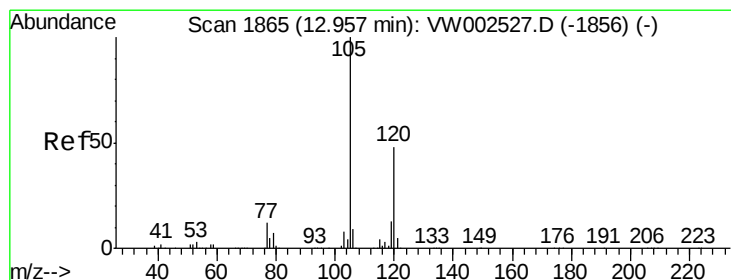
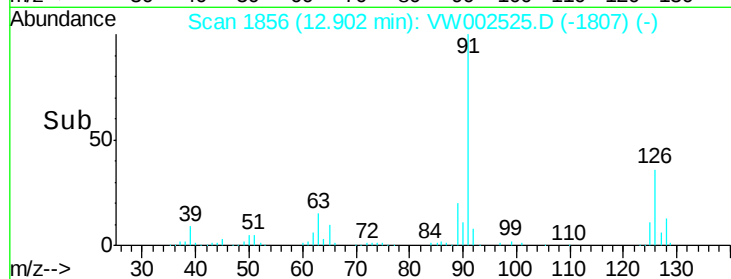
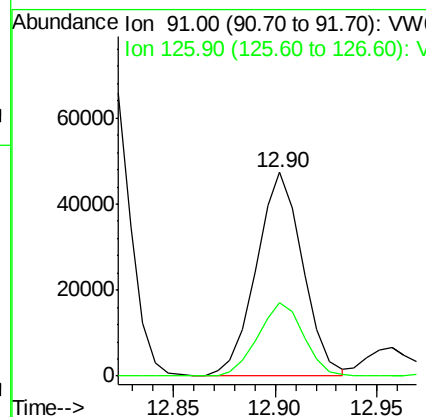
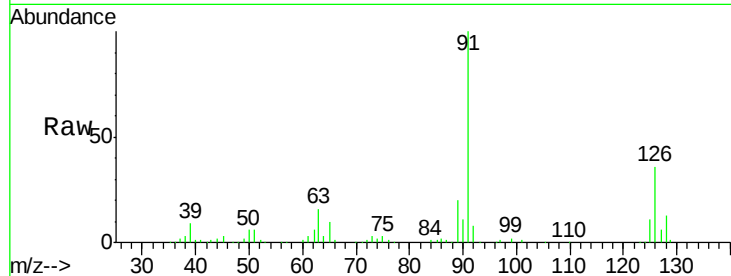
#79
 2-Chlorotoluene
 Concen: 9.60 ug/l
 RT: 12.90 min Scan# 1856
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC010

Tot Ion: 91 Resp: 74972
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.6 52.8

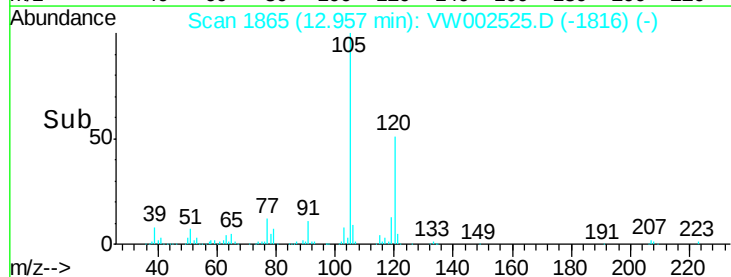
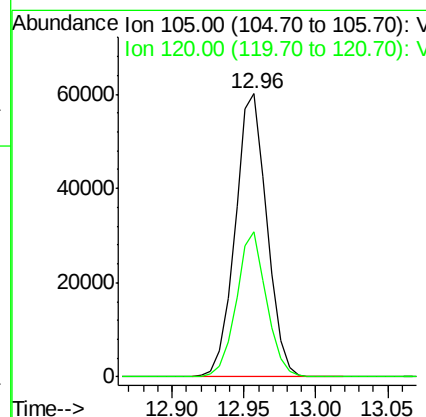
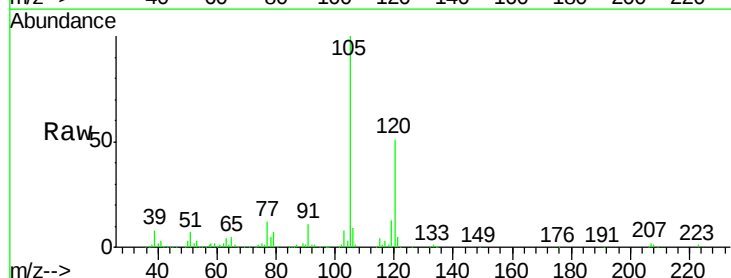
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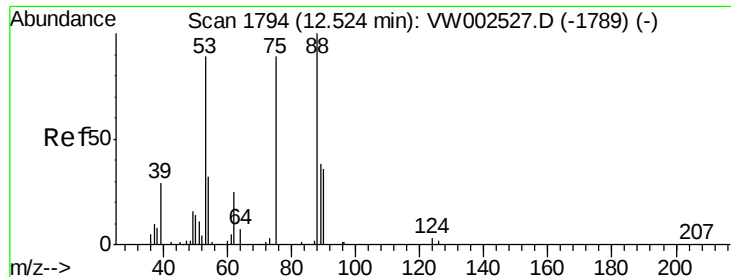
apatel
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#80
 1,3,5-Trimethylbenzene
 Concen: 9.55 ug/l
 RT: 12.96 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion: 105 Resp: 92048
 Ion Ratio Lower Upper
 105 100
 120 48.8 24.6 73.8





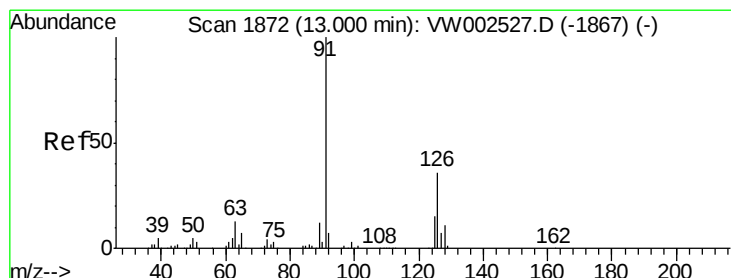
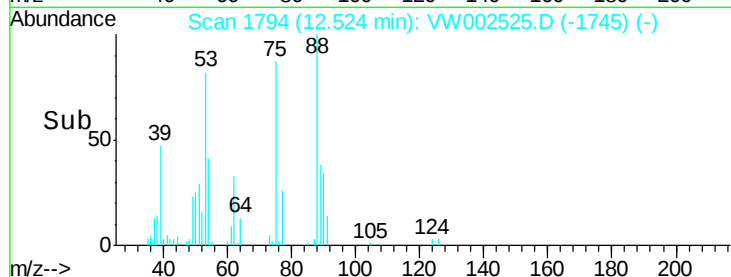
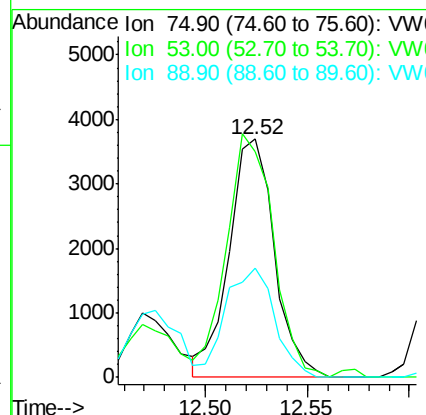
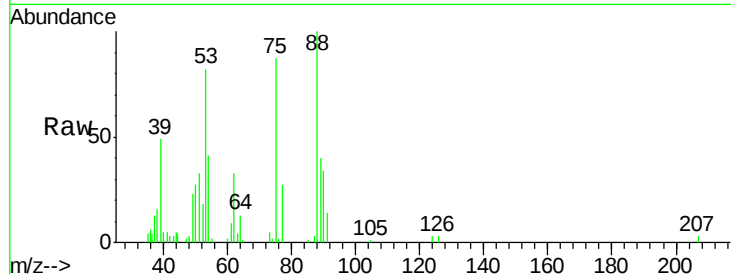
#81
trans-1,4-Dichloro-2-butene
Concen: 9.46 ug/l
RT: 12.52 min Scan# 1794
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.7	82.6	124.0
89	49.9	39.2	58.8

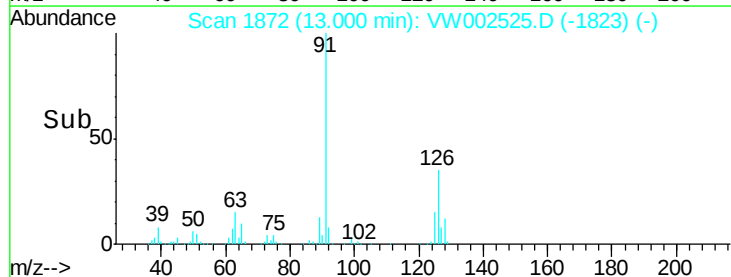
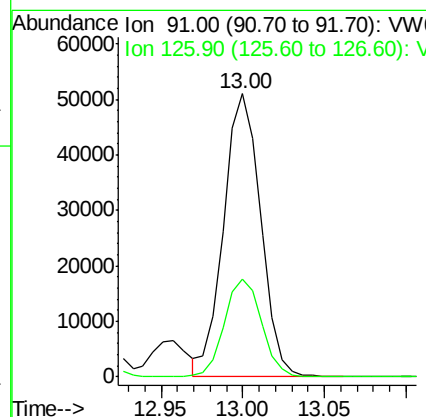
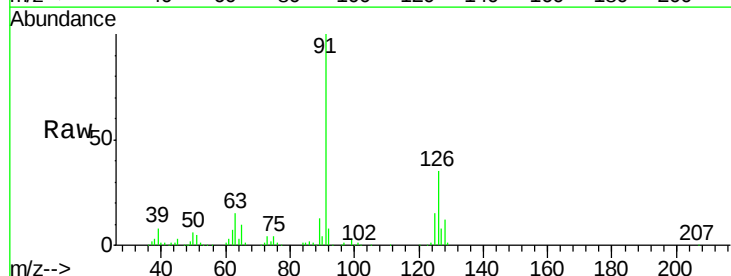
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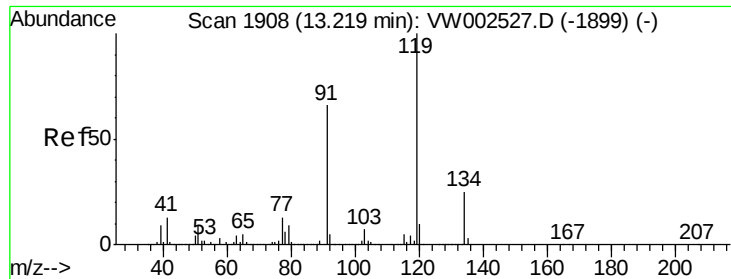
apatel
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#82
4-Chlorotoluene
Concen: 9.71 ug/l
RT: 13.00 min Scan# 1872
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.5	52.5





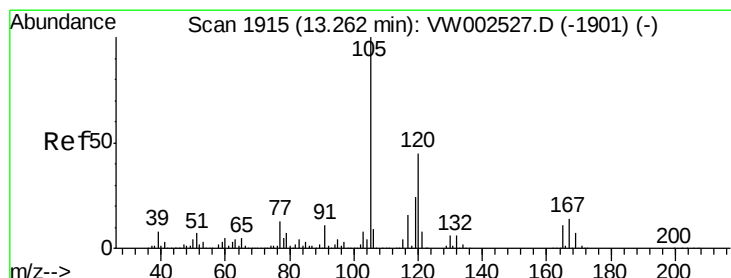
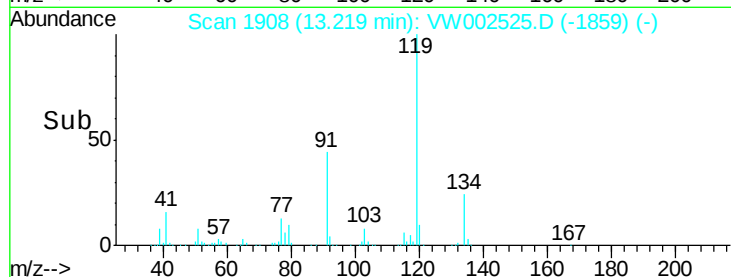
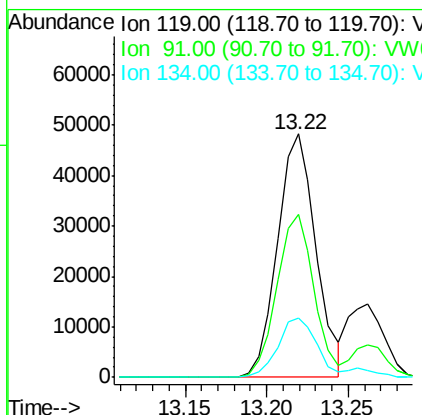
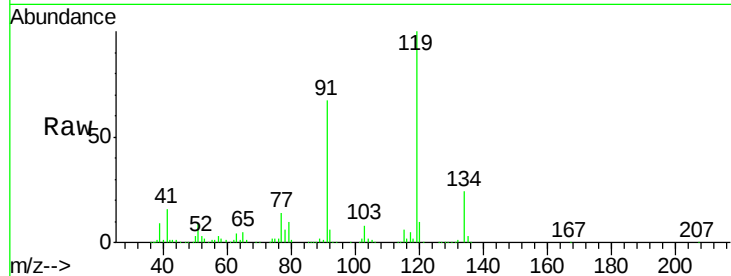
#83
tert-Butylbenzene
Concen: 9.54 ug/l
RT: 13.22 min Scan# 1908
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.7	32.5	97.5
134	24.2	13.2	39.6

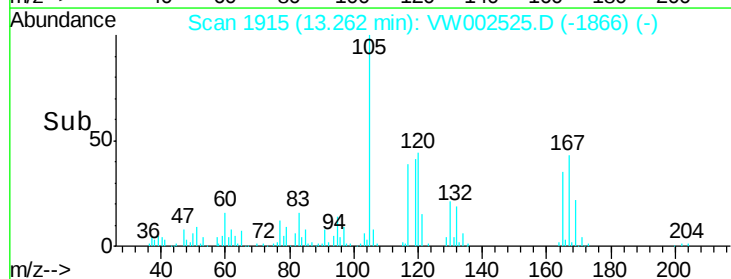
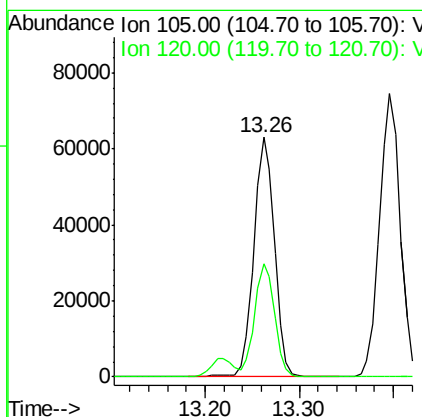
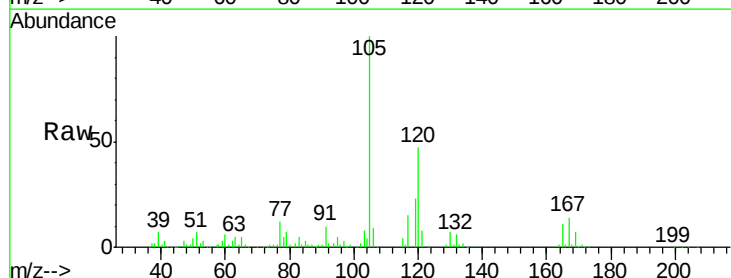
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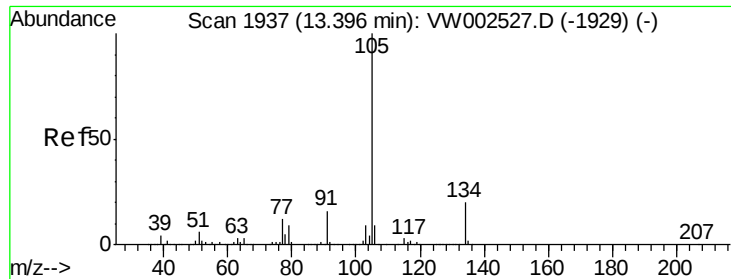
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#84
1,2,4-Trimethylbenzene
Concen: 9.62 ug/l
RT: 13.26 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.3	66.9





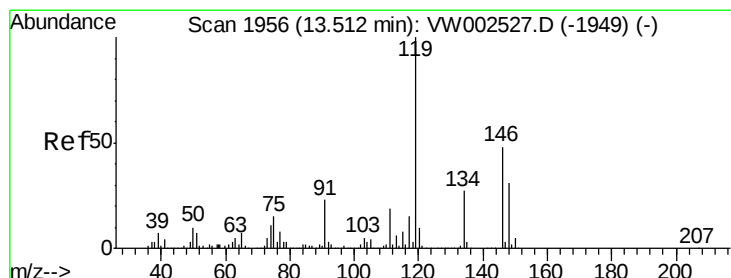
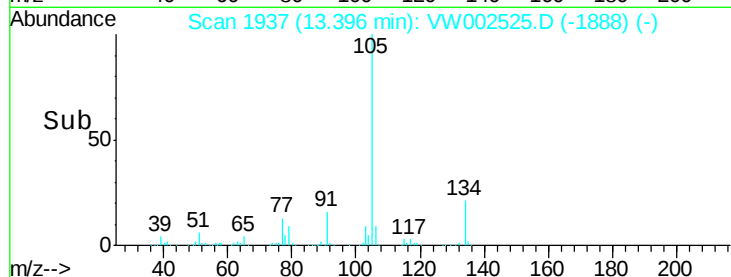
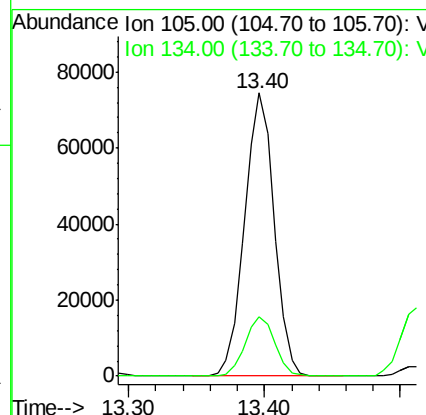
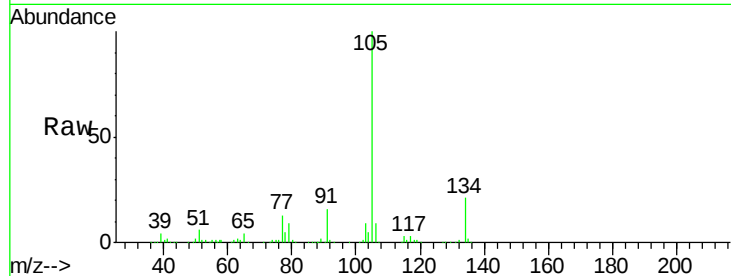
#85
 sec-Butylbenzene
 Concen: 9.54 ug/l
 RT: 13.40 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Resp	Lower	Upper
105	100	113197		
134	21.2	10.1	30.3	

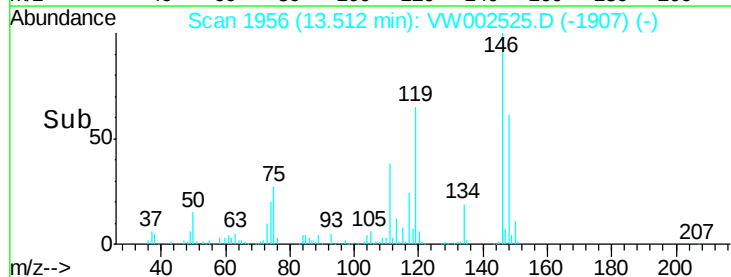
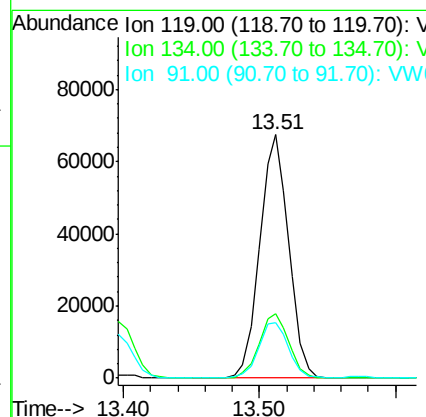
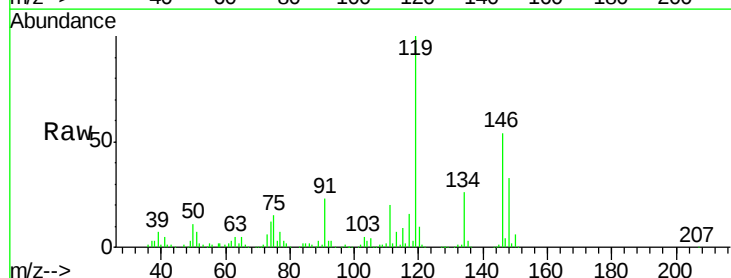
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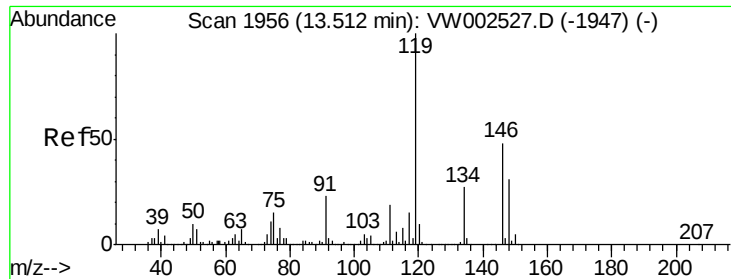
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#86
 p-Isopropyltoluene
 Concen: 9.44 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	100416		
134	27.0	13.4	40.1	
91	23.9	11.6	34.8	





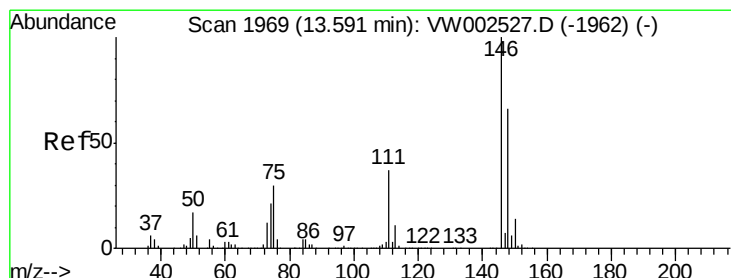
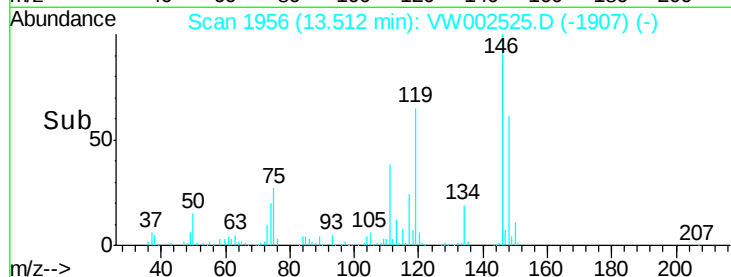
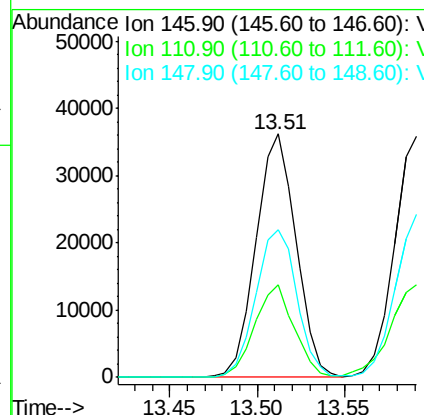
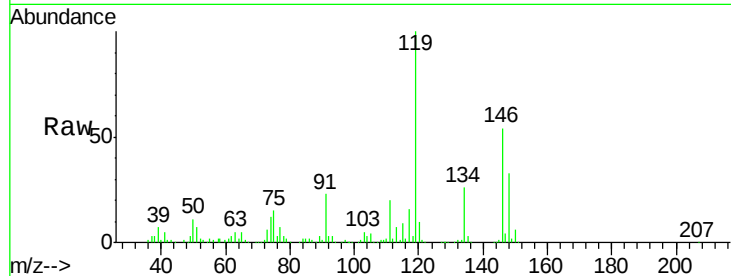
#87
 1,3-Dichlorobenzene
 Concen: 10.04 ug/l
 RT: 13.51 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	19.6	58.7
148	62.5	32.3	96.8

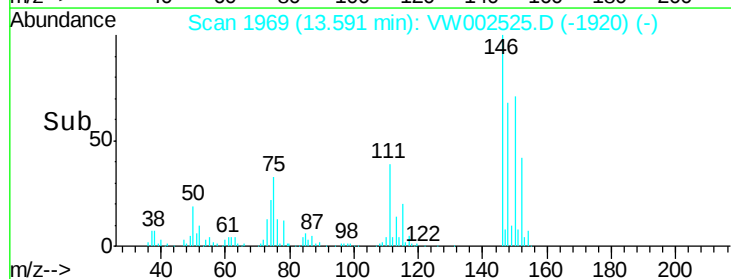
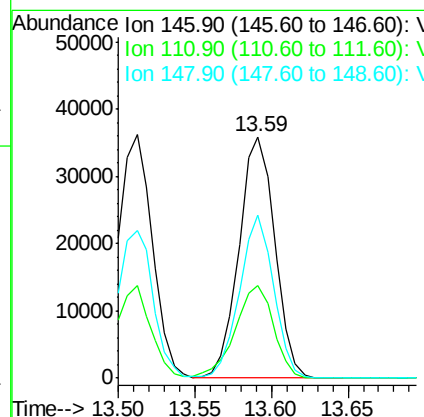
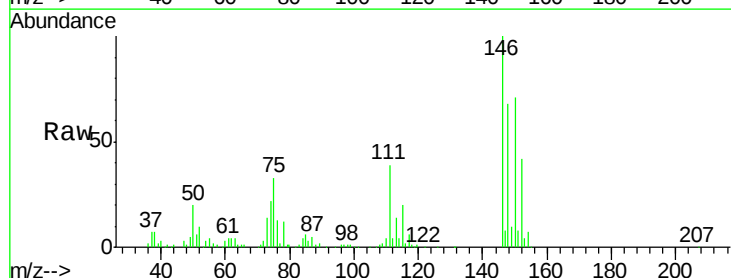
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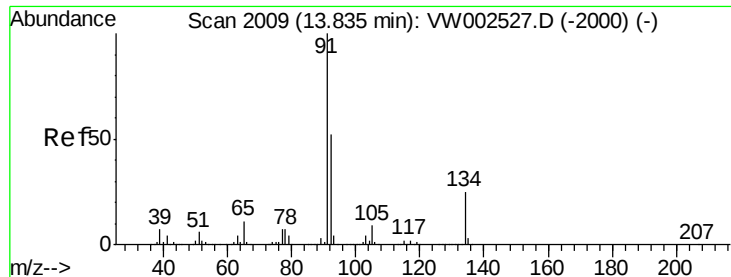
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#88
 1,4-Dichlorobenzene
 Concen: 10.21 ug/l
 RT: 13.59 min Scan# 1969
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.3	18.9	56.5
148	64.6	32.4	97.0





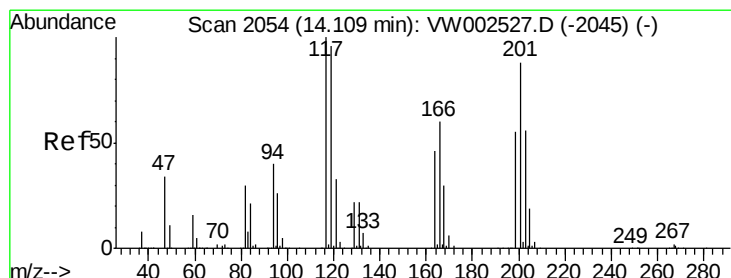
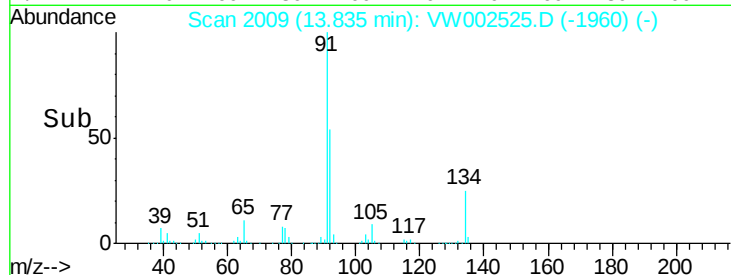
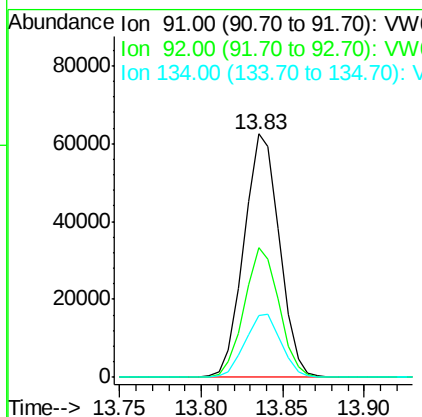
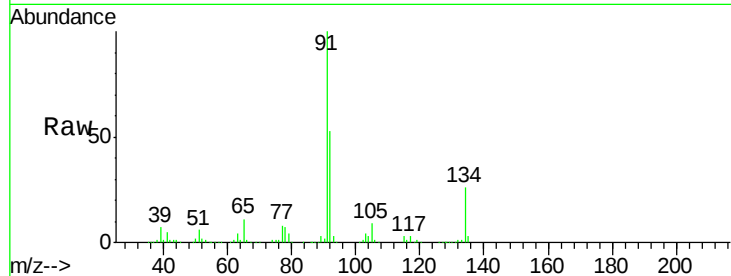
#89
n-Butylbenzene
Concen: 9.54 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. -0.00 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Instrument :
MSVOA_W
ClientSampled :
VSTDIC010

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.1	78.2
134	26.4	13.1	39.1

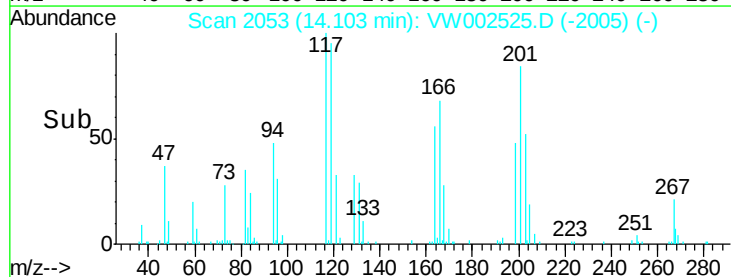
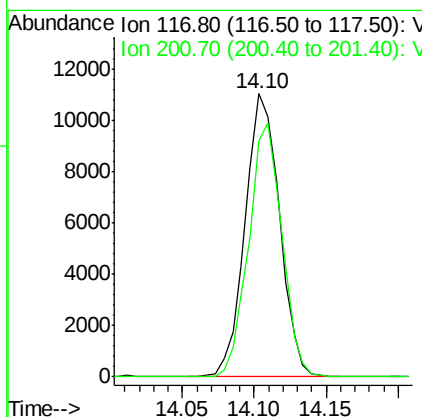
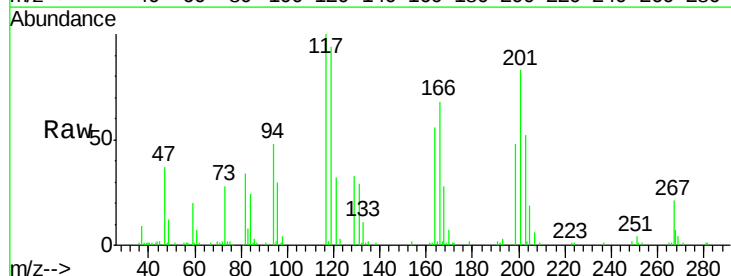
Manual Integrations
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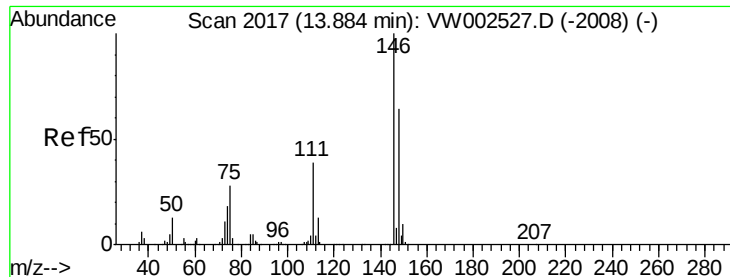
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#90
Hexachloroethane
Concen: 9.62 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.01 min
Lab File: VW002525.D
Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
117	100		
201	86.3	42.0	126.0





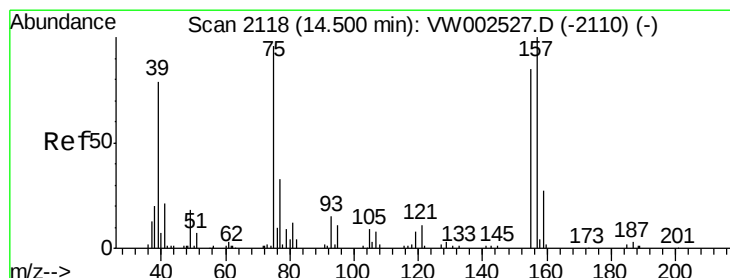
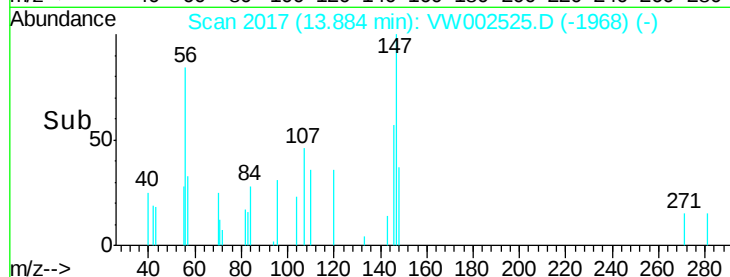
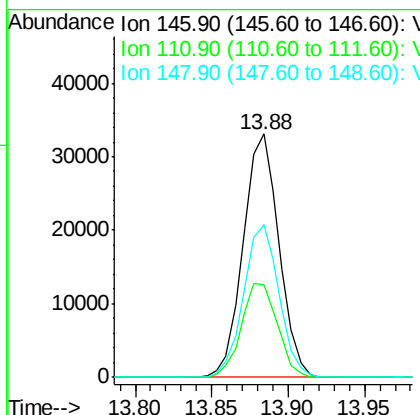
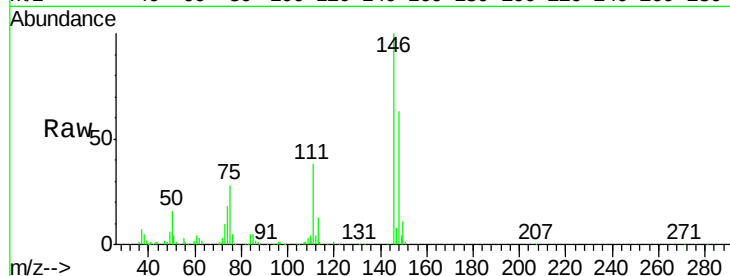
#91
 1,2-Dichlorobenzene
 Concen: 10.30 ug/l
 RT: 13.88 min Scan# 2017
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.1	19.9	59.6
148	62.2	32.1	96.3

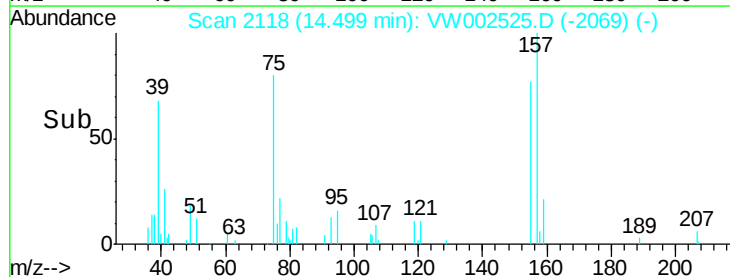
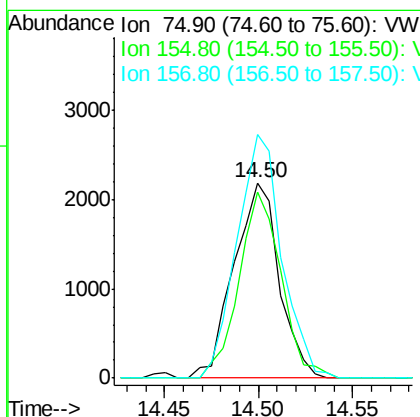
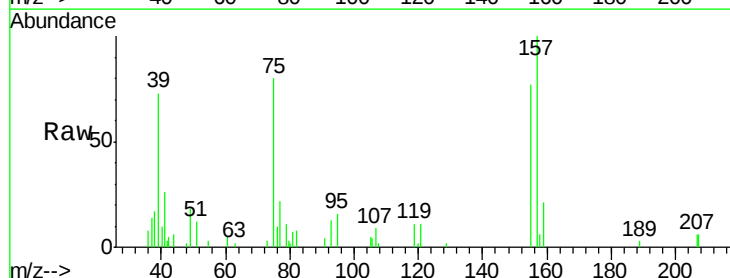
Manual Integrations
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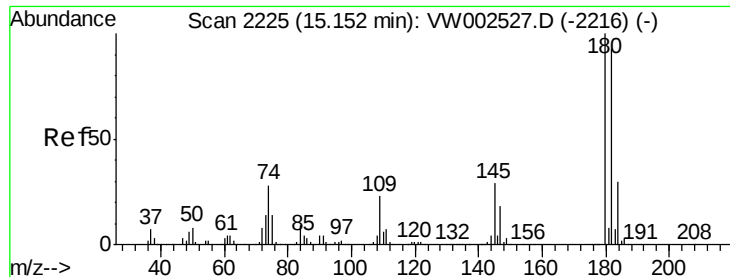
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.41 ug/l
 RT: 14.50 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.8	42.8	128.4
157	123.9	57.4	172.0





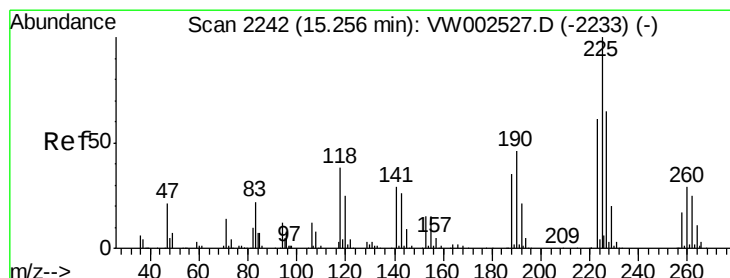
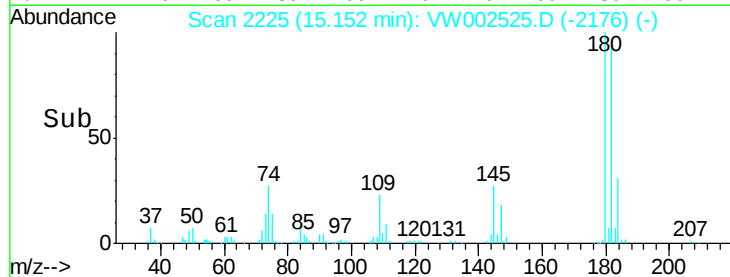
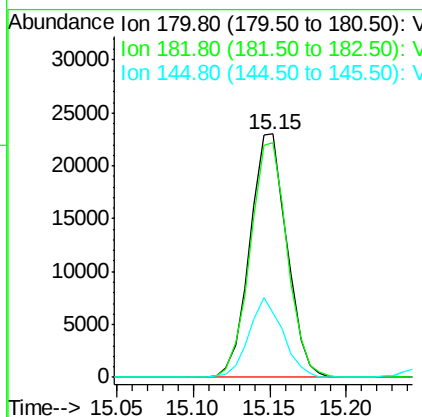
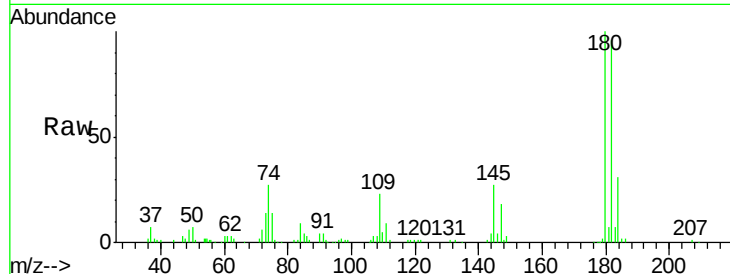
#93
 1,2,4-Trichlorobenzene
 Concen: 10.36 ug/l
 RT: 15.15 min Scan# 2225
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	47.2	141.6
145	30.2	14.9	44.9

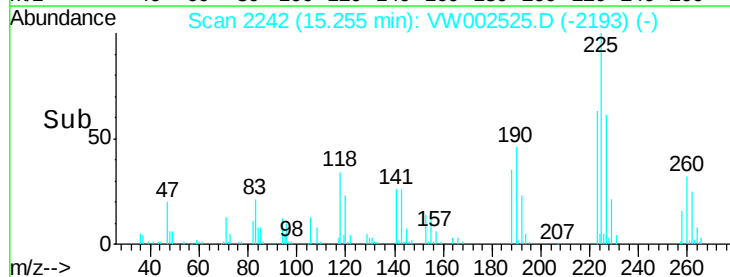
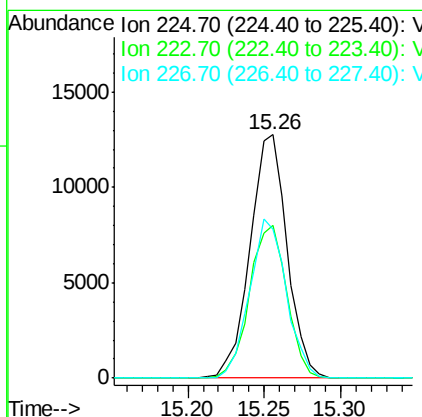
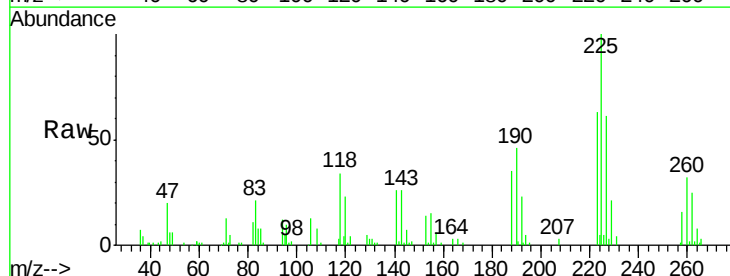
Manual Integrations
 APPROVED

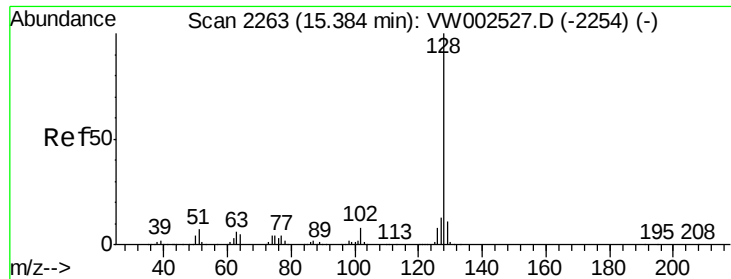
apatel
 5/15/2018 5:56:20 PM



#94
 Hexachlorobutadiene
 Concen: 10.35 ug/l
 RT: 15.26 min Scan# 2242
 Delta R.T. -0.00 min
 Lab File: VW002525.D
 Acq: 14 May 2018 21:16

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	31.3	93.9
227	64.6	31.9	95.5





#95

Naphthalene

Concen: 9.64 ug/l

RT: 15.38 min Scan# 2263

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Instrument :

MSVOA_W

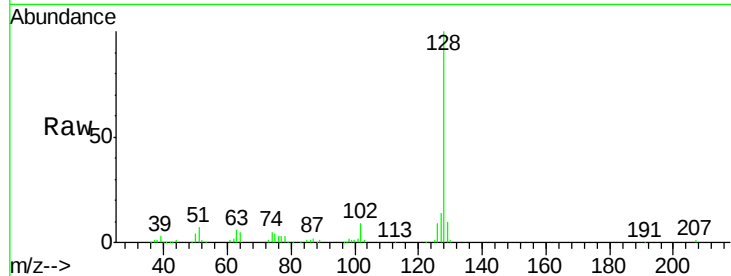
ClientSampleId :

VSTDIC010

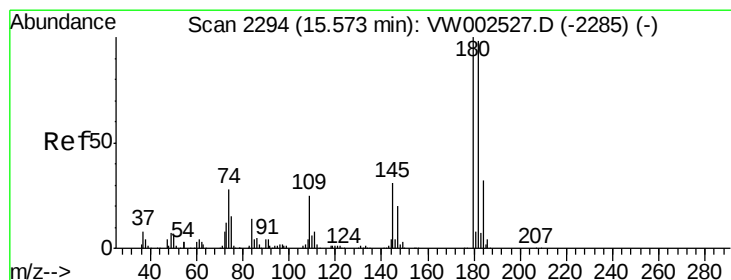
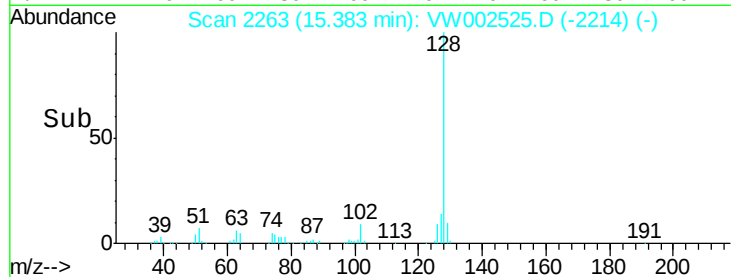
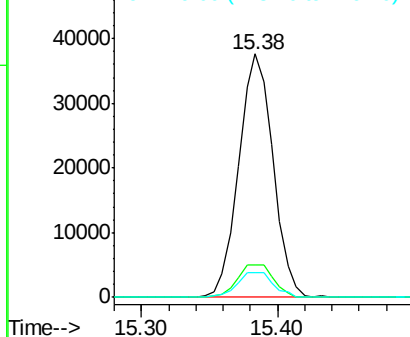
Tot Ion:	128	Resp:	66418
Ion Ratio	Lower	Upper	
128	100		
127	14.2	10.6	15.8
129	10.9	8.9	13.3

Manual Integrations
APPROVED

apatel
5/15/2018 5:56:20 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 10.47 ug/l

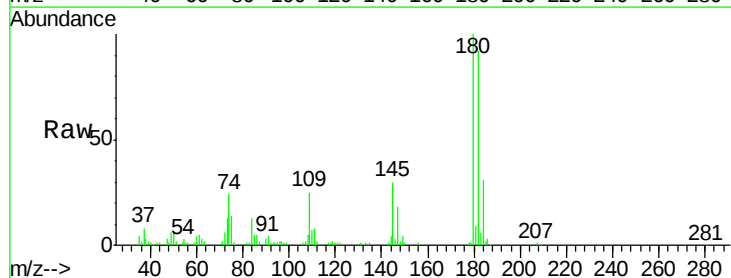
RT: 15.57 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VW002525.D

Acq: 14 May 2018 21:16

Tgt Ion:	180	Resp:	35090
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.3	141.8
145	30.7	15.5	46.5



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

