

Data File : VW005547.D
Acq On : 20 Sep 2018 23:11
Operator : SY/AP
Sample : VSTDIC150
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Manual Integrations
APPROVED

apatel
10/2/2018 12:28:33 PM

Quant Time: Sep 21 05:56:09 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W092118S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 21 04:37:21 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	249140	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	381954	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	342754	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183951	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	437016	163.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.78%	
35) Dibromofluoromethane	7.89	113	360960	163.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	326.62%	
50) Toluene-d8	10.33	98	1497223	151.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.62%	
62) 4-Bromofluorobenzene	12.62	95	551856	152.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	305.84%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	213227	92.956	ug/l	97
3) Chloromethane	2.21	50	280305	100.427	ug/l	99
4) Vinyl Chloride	2.37	62	333113	123.116	ug/l	100
5) Bromomethane	2.78	94	225518	113.507	ug/l	97
6) Chloroethane	2.92	64	210597	130.618	ug/l	99
7) Trichlorofluoromethane	3.26	101	272440	80.363	ug/l	97
8) Diethyl Ether	3.68	74	178413	160.360	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	324036	148.717	ug/l	100
10) Methyl Iodide	4.26	142	521491	216.637	ug/l	99
11) Tert butyl alcohol	5.22	59	117578	640.284	ug/l	99
12) 1,1-Dichloroethene	4.03	96	318106	159.668	ug/l	95
13) Acrolein	3.90	56	73964	613.166	ug/l	100
14) Allyl chloride	4.67	41	595825	162.190	ug/l	99
15) Acrylonitrile	5.37	53	407698	808.164	ug/l	99
16) Acetone	4.14	43	348577	801.680	ug/l	98
17) Carbon Disulfide	4.37	76	980282	142.694	ug/l	100
18) Methyl Acetate	4.68	43	210065	165.889	ug/l	97
19) Methyl tert-butyl Ether	5.43	73	531667	106.969	ug/l	99
20) Methylene Chloride	4.91	84	351489	113.169	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	355846	150.714	ug/l	99
22) Diisopropyl ether	6.32	45	1184825	164.955	ug/l	98
23) Vinyl Acetate	6.26	43	3557720	867.026	ug/l	100
24) 1,1-Dichloroethane	6.21	63	685141	156.006	ug/l	99
25) 2-Butanone	7.18	43	532210	839.663	ug/l	100
26) 2,2-Dichloropropane	7.17	77	432603	114.987	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	405249	157.728	ug/l	99
28) Bromochloromethane	7.51	49	264809	154.897	ug/l	99
29) Tetrahydrofuran	7.54	42	351527	867.693	ug/l	100
30) Chloroform	7.68	83	705852	154.837	ug/l	99
31) Cyclohexane	7.96	56	616652	147.058	ug/l	96
32) 1,1,1-Trichloroethane	7.88	97	606677	145.703	ug/l	99
36) 1,1-Dichloropropene	8.09	75	548834	149.368	ug/l	100
37) Ethyl Acetate	7.26	43	241782	160.548	ug/l	99
38) Carbon Tetrachloride	8.07	117	578945	150.227	ug/l	96

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	677627	159.056	ug/l	99
40) Benzene	8.33	78	1555829	146.987	ug/l	100
41) Methacrylonitrile	7.49	41	150516	166.852	ug/l	97
42) 1,2-Dichloroethane	8.40	62	502388	150.214	ug/l	99
43) Isopropyl Acetate	8.43	43	503633	172.395	ug/l	99
44) Trichloroethene	9.10	130	403004	147.884	ug/l	97
45) 1,2-Dichloropropane	9.37	63	391880	153.775	ug/l	100
46) Dibromomethane	9.46	93	195638	155.347	ug/l	100
47) Bromodichloromethane	9.65	83	537199	157.905	ug/l	99
48) Methyl methacrylate	9.44	41	250617	173.435	ug/l	97
49) 1,4-Dioxane	9.48	88	62668	3061.035	ug/l #	99
51) 4-Methyl-2-Pentanone	10.22	43	1263762	845.781	ug/l	98
52) Toluene	10.39	92	1005689	142.394	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	568458	166.873	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	638202	165.547	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	282044	151.650	ug/l	98
56) Ethyl methacrylate	10.65	69	399631	171.651	ug/l	99
57) 1,3-Dichloropropane	10.94	76	503395	157.122	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	867656	819.438	ug/l	99
59) 2-Hexanone	10.98	43	885941	873.724	ug/l	99
60) Dibromochloromethane	11.13	129	352633	157.820	ug/l	99
61) 1,2-Dibromoethane	11.24	107	267184	159.640	ug/l	99
64) Tetrachloroethene	10.87	164	353281	140.271	ug/l	99
65) Chlorobenzene	11.66	112	1068550	146.166	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.74	131	396699	166.037	ug/l	99
67) Ethyl Benzene	11.74	91	1964529	152.768	ug/l	99
68) m/p-Xylenes	11.85	106	1489934	301.725	ug/l	100
69) o-Xylene	12.17	106	710293	154.513	ug/l	100
70) Styrene	12.19	104	1199492	157.481	ug/l	99
71) Bromoform	12.35	173	218629	173.216	ug/l #	100
73) Isopropylbenzene	12.47	105	2009967	155.095	ug/l	100
74) N-amyl acetate	12.28	43	489004	177.953	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	323955	167.880	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	231639m	151.091	ug/l	
77) Bromobenzene	12.75	156	447614	146.556	ug/l	98
78) n-propylbenzene	12.81	91	2362698	151.121	ug/l	99
79) 2-Chlorotoluene	12.90	91	1366968	148.744	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	1694808	150.326	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	113926	189.465	ug/l	96
82) 4-Chlorotoluene	12.99	91	1433378	147.633	ug/l	100
83) tert-Butylbenzene	13.21	119	1457126	155.388	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	1720588	150.178	ug/l	100
85) sec-Butylbenzene	13.39	105	2055284	151.673	ug/l	100
86) p-Isopropyltoluene	13.51	119	1849795	152.558	ug/l	100
87) 1,3-Dichlorobenzene	13.51	146	878761	141.681	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	874864	143.434	ug/l	100
89) n-Butylbenzene	13.83	91	1742370	154.486	ug/l	99
90) Hexachloroethane	14.10	117	329159	157.166	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	790297	146.057	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	62830	171.690	ug/l	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW092118\
Quantitation Report (QT Reviewed)

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	585470	160.910	ug/l	100
94) Hexachlorobutadiene	15.24	225	349394	147.795	ug/l	99
95) Naphthalene	15.38	128	1088100	178.509	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	515636	161.760	ug/l	99

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

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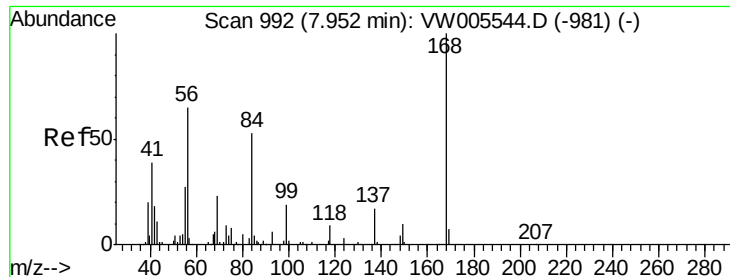
TIC: VW005547.D

Abundance

Time-->

Peak Data:

Retention Time (min)	Compound Name
2.00	Dichlorodifluoromethane, T
2.50	Chloromethane, P
2.80	Vinyl Chloride, C
3.00	Bromomethane, T
3.20	Chloroethane, I
3.80	Trichlorofluoromethane, T
4.00	Diethyl Ether, T
4.20	Acrolein, I
4.50	Acetone, T
4.80	Methyl iodide, I
5.00	Methylene Chloride, T
5.20	Methyl acetate, T
5.50	Tert butyl alcohol, T
5.80	Acrylonitrile, T
6.00	1,1-Dichloroethane, P
6.20	Disopropyl Ethyl Vinyl Acetate, T
7.20	Ethyl Acetate, I
7.50	Methacrylonitrile, T
7.80	Chloroform, C
8.00	Dichloromethane, T
8.20	1,2-Dichloroethane, T
8.50	Isobutylene, TM
9.00	1,4-Difluorobenzene, I
9.50	Trichloroethene, TM
10.00	1,4-Dichlorobenzene, T
10.20	Bromodichloromethane, T
10.50	cis-1,3-Dichloropropene, I
10.80	2-Chloroethyl Vinyl ether, T
11.00	4-Methyl-2-Pentanone, T
11.20	Toluene, S
11.50	Ethyl methylchloropropene, T
11.80	n-Propyl chloride, T
12.00	1,2-Dichloropropane, T
12.20	1,2-Dibromochloromethane, T
12.50	Chlorobenzene, S
12.80	Chlorobenzene, PM
13.00	Bromoform, P
13.20	N-amyl acetate, T
13.50	trans-1,4-Dichloro-2-butene, I
13.80	4-Bromofluorobenzene, S
14.00	Bromobenzene, I
14.20	1,1,2,2-Tetrachloroethane, T
14.50	sec-Butylbenzene, T
14.80	1,2-Dichlorobenzene, I
15.00	1,2-Dichlorobenzene, T
15.20	Hexachloroethane, T
15.50	1,2-Dibromo-3-Chloropropane, T
15.80	Naphthalene, T
16.00	1,2,3-Trichlorobenzene, T



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.00 min

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Instrument :

MSVOA_W

ClientSampled :

VSTDICC150

Tgt Ion:168 Resp: 249140

Ion Ratio Lower Upper

168 100

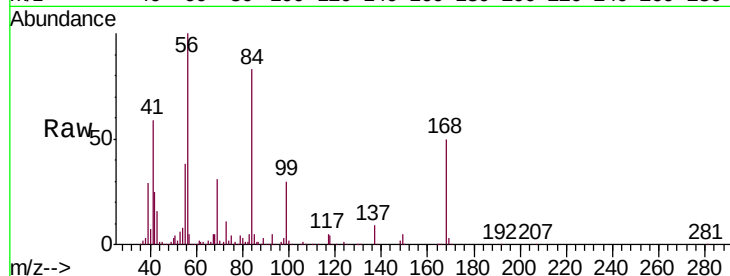
99 61.0 48.4 72.6

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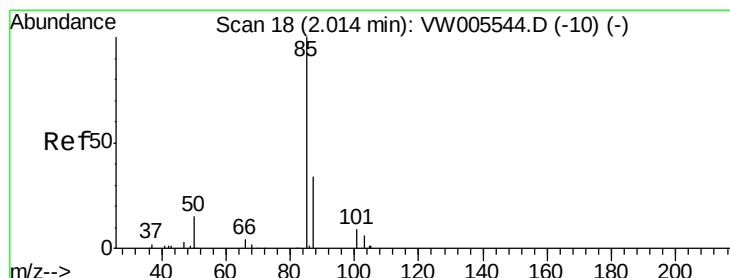
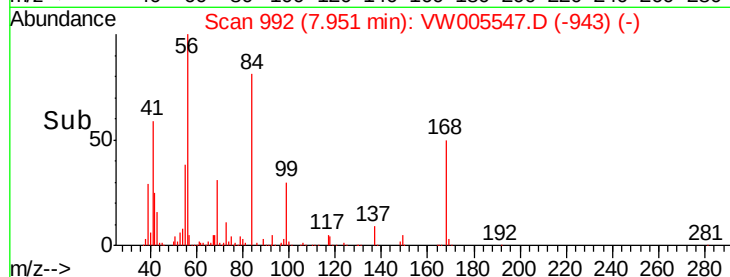
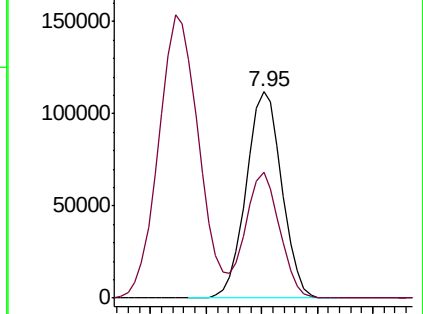
apatel

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 92.956 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW005547.D

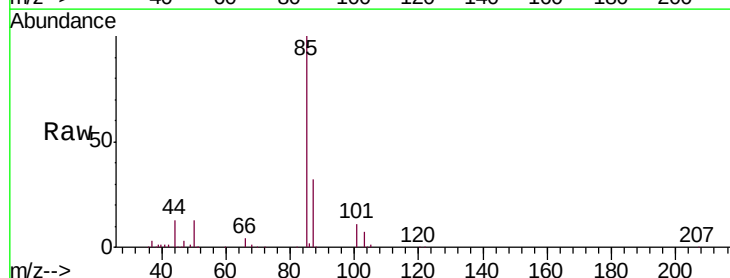
Acq: 20 Sep 2018 23:11

Tgt Ion: 85 Resp: 213227

Ion Ratio Lower Upper

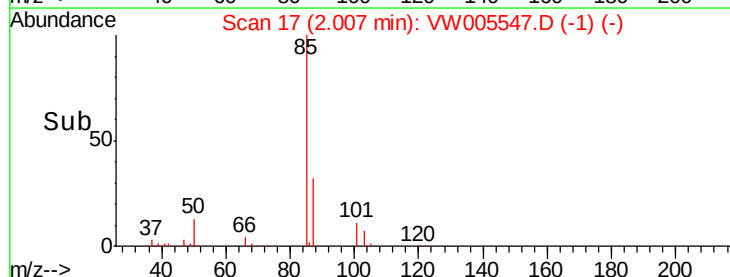
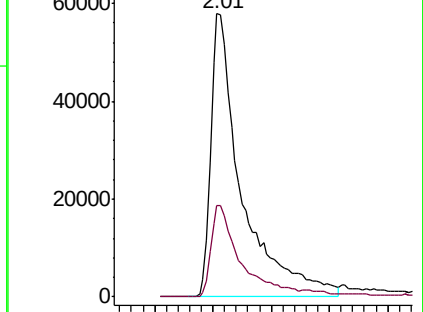
85 100

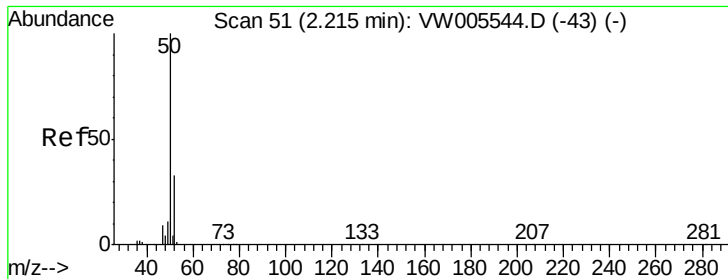
87 32.3 17.0 50.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 100.427 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 280305

Ion Ratio Lower Upper

50 100

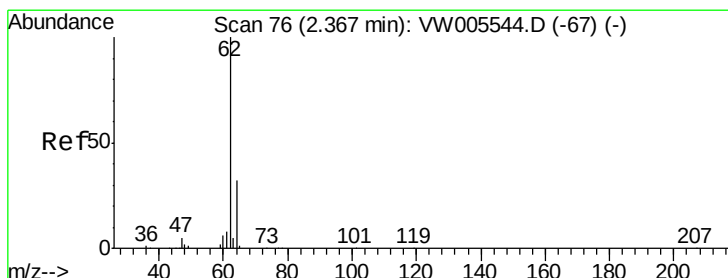
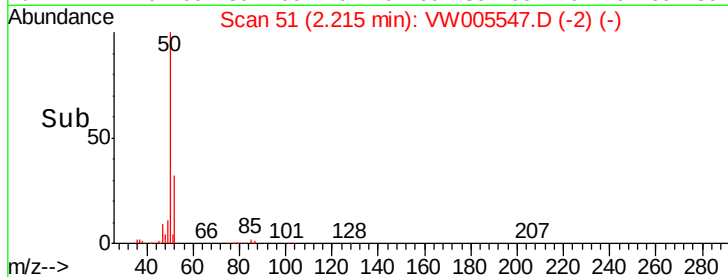
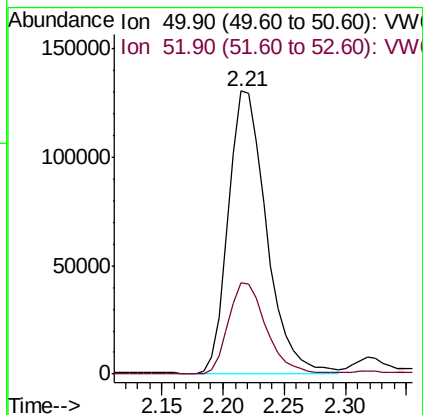
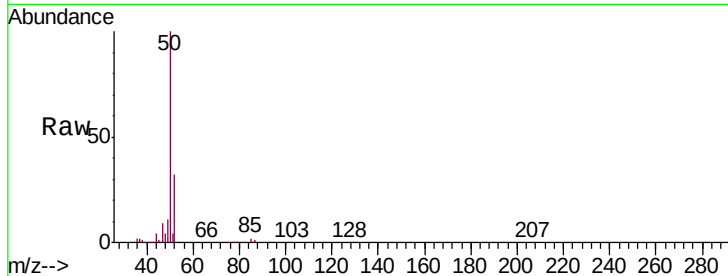
52 32.3 26.2 39.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 123.116 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW005547.D

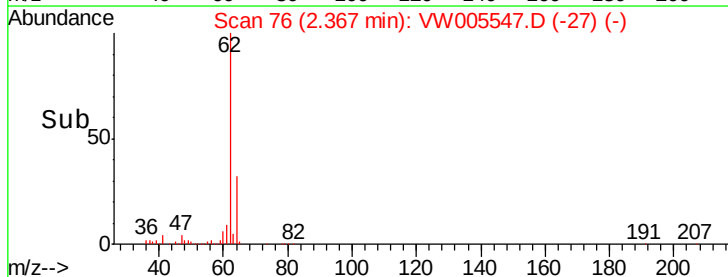
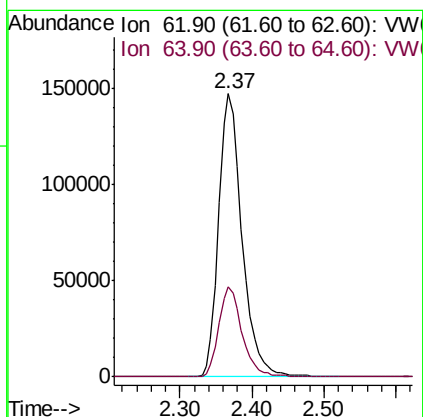
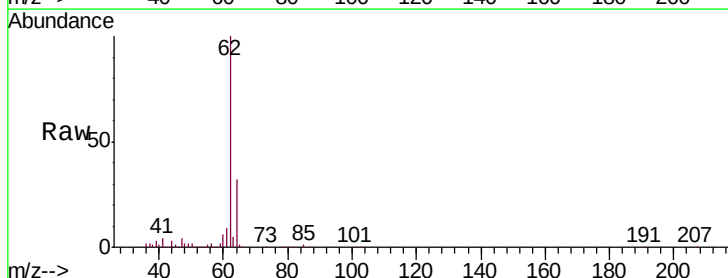
Acq: 20 Sep 2018 23:11

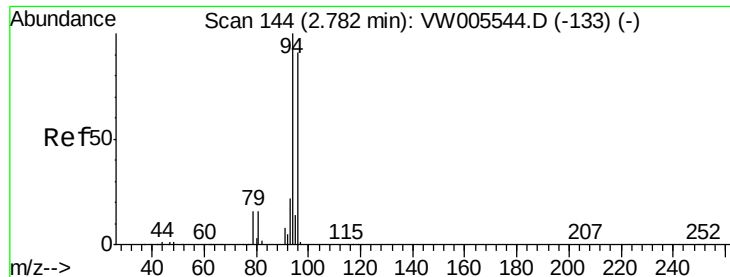
Tgt Ion: 62 Resp: 333113

Ion Ratio Lower Upper

62 100

64 31.9 25.7 38.5





#5

Bromomethane

Concen: 113.507 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW005547.D

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Tgt Ion: 94 Resp: 225518

Ion Ratio Lower Upper

94 100

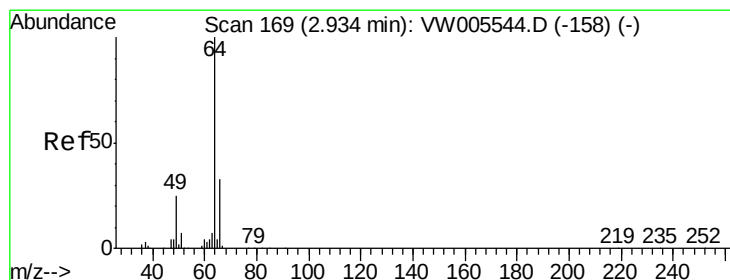
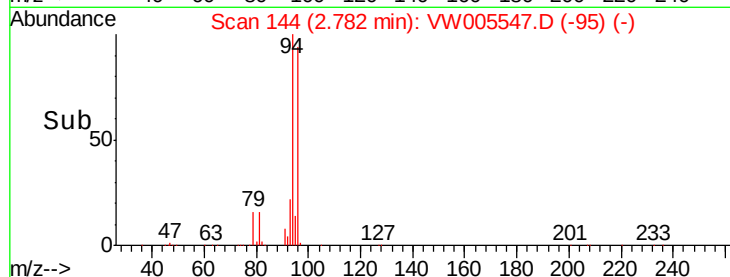
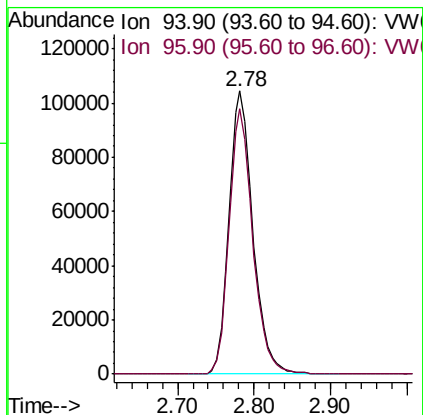
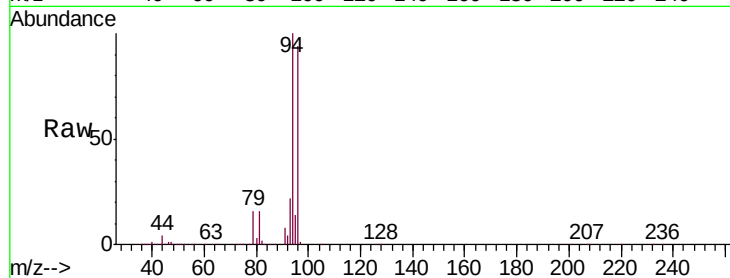
96 93.9 73.1 109.7

Manual Integrations

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#6

Chloroethane

Concen: 130.618 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW005547.D

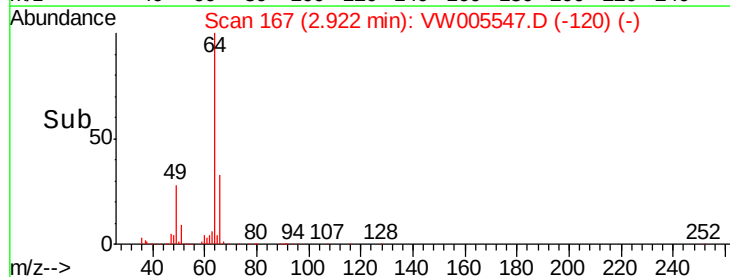
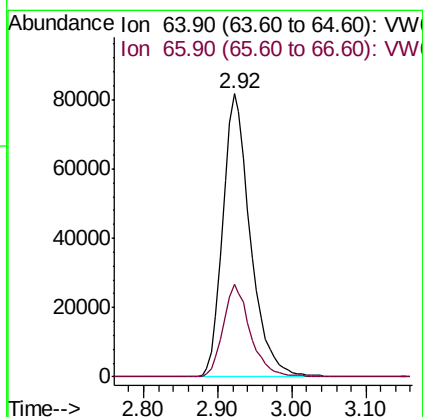
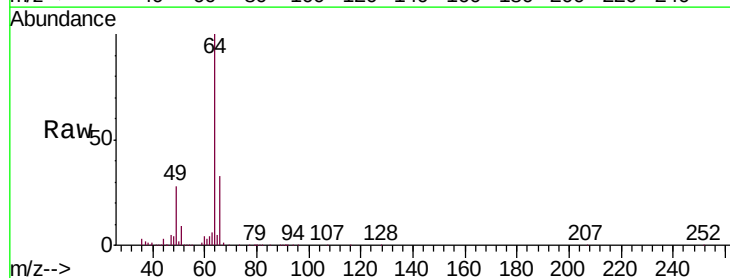
Acq: 20 Sep 2018 23:11

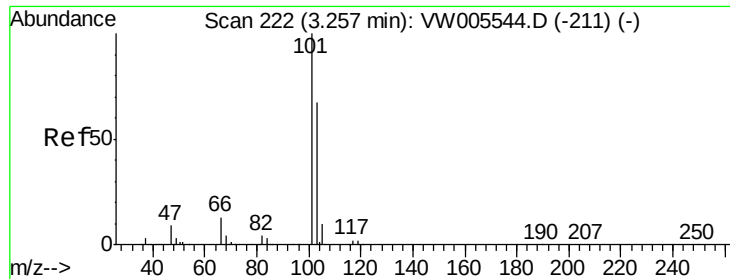
Tgt Ion: 64 Resp: 210597

Ion Ratio Lower Upper

64 100

66 32.8 26.0 39.0





#7

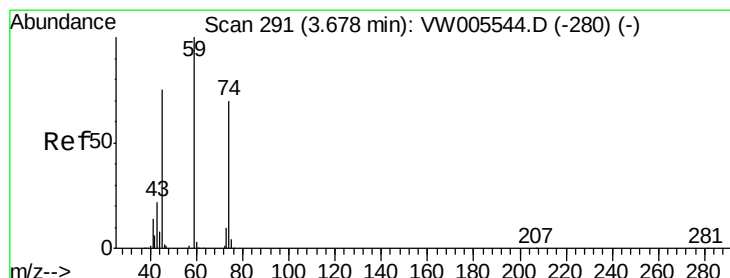
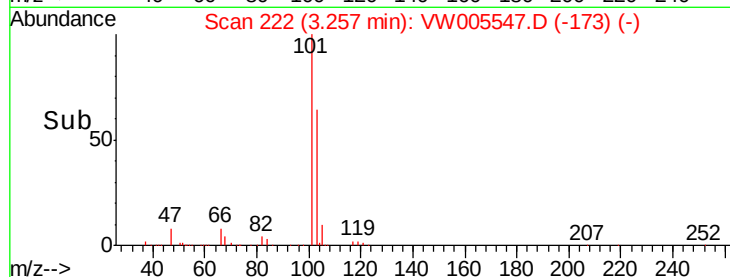
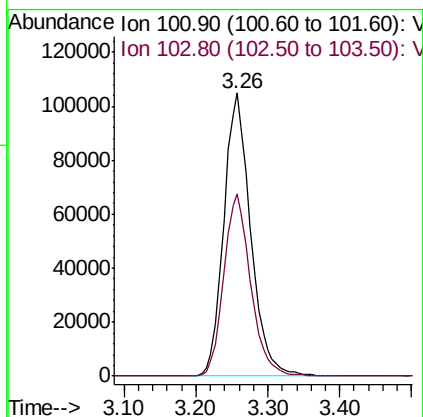
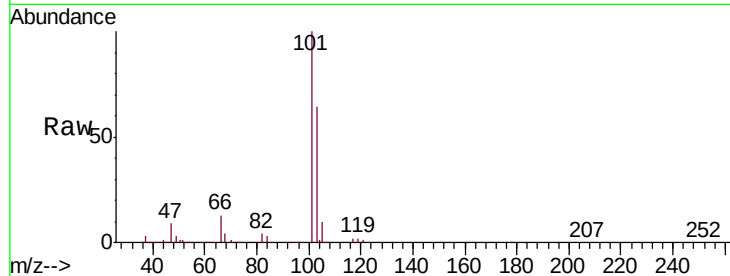
Trichlorofluoromethane
 Concen: 80.363 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW005547.D
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 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
101	100		
103	64.2	53.2	79.8

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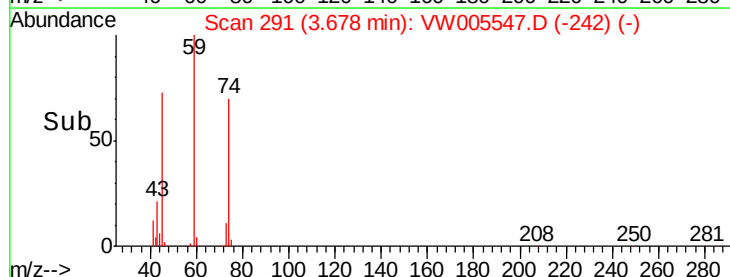
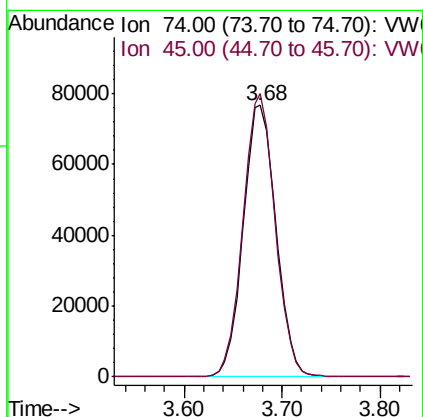
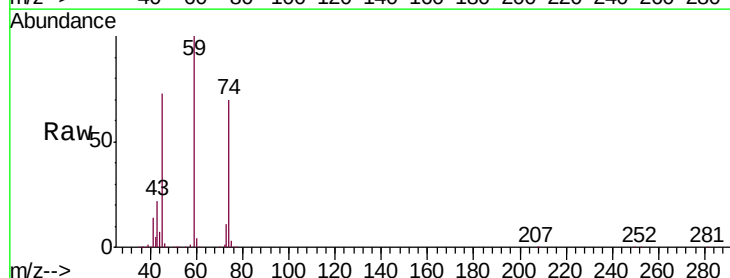
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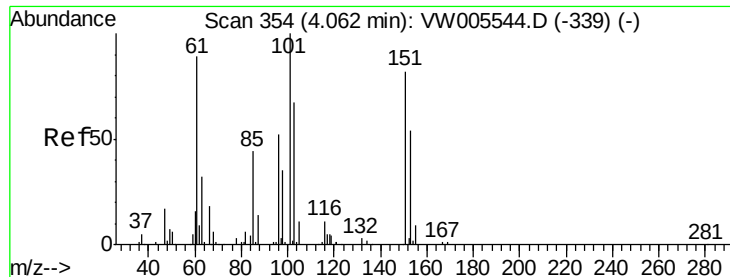


#8

Diethyl Ether
 Concen: 160.360 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.5	51.7	155.2





#9

1,1,2-Trichlorotrifluoroethane

Concen: 148.717 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

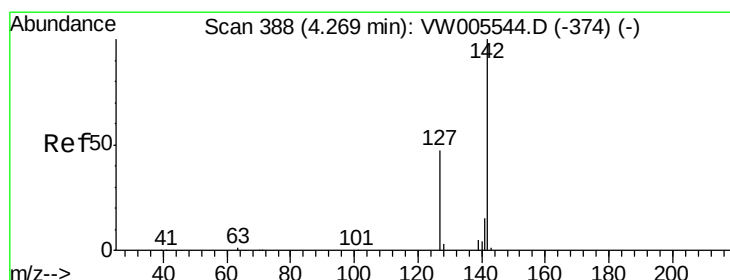
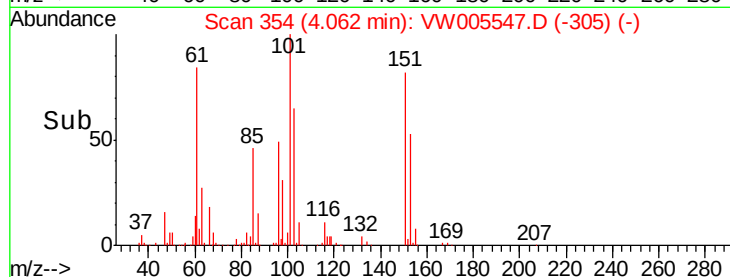
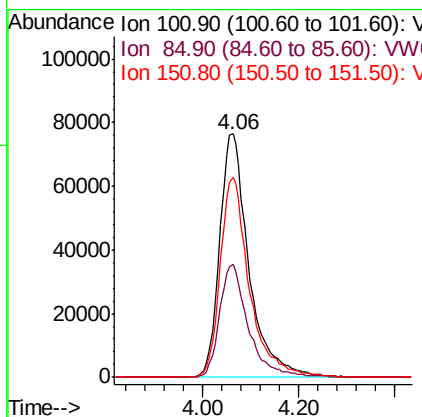
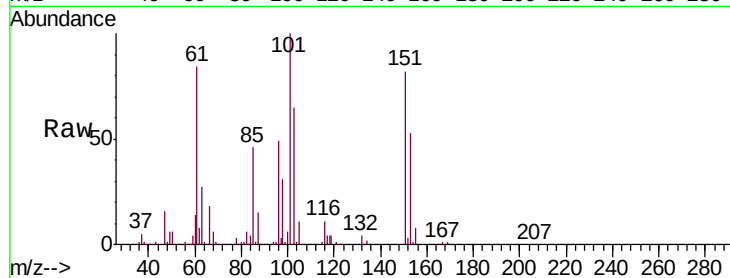
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	324036
Ion Ratio	Lower	Upper	
101	100		
85	45.7	36.4	54.6
151	81.9	65.8	98.6

Manual Integrations
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#10

Methyl Iodide

Concen: 216.637 ug/l

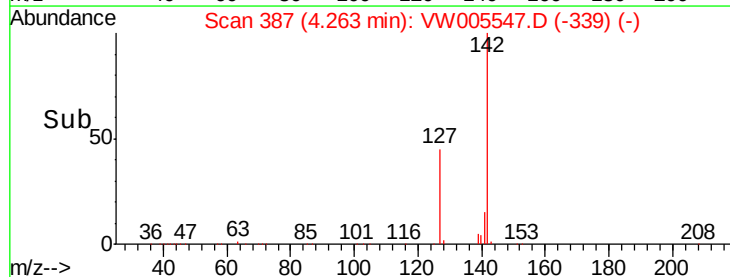
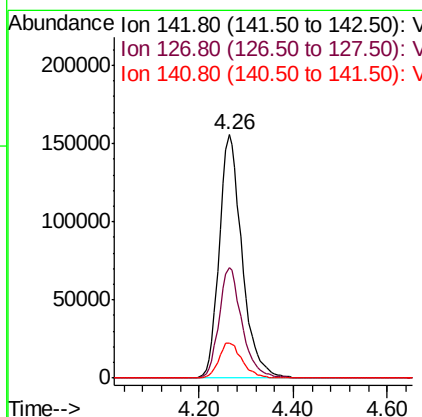
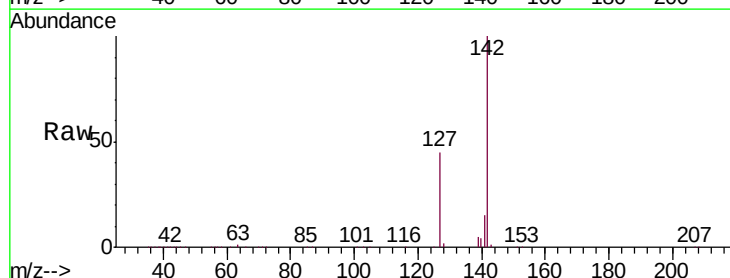
RT: 4.26 min Scan# 387

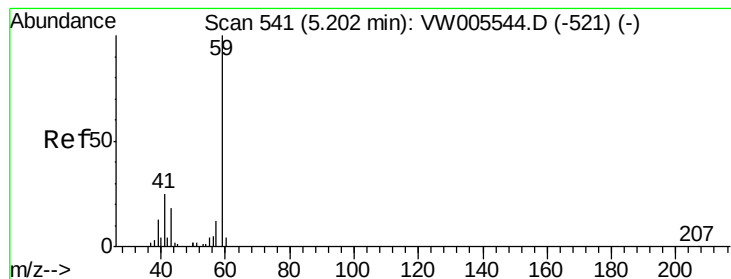
Delta R.T. -0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion:	142	Resp:	521491
Ion Ratio	Lower	Upper	
142	100		
127	45.8	37.4	56.0
141	14.9	11.9	17.9





#11

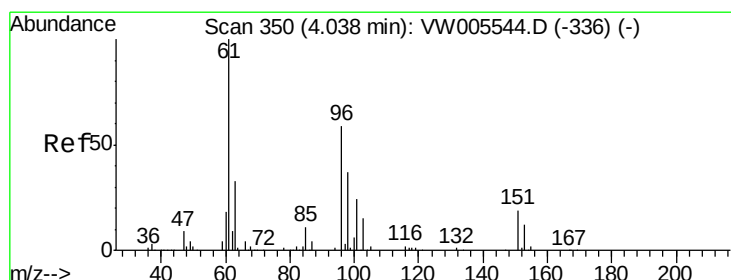
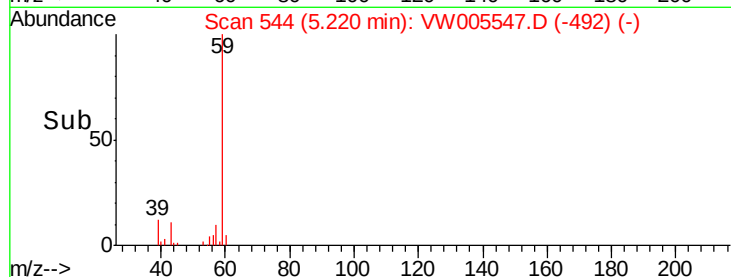
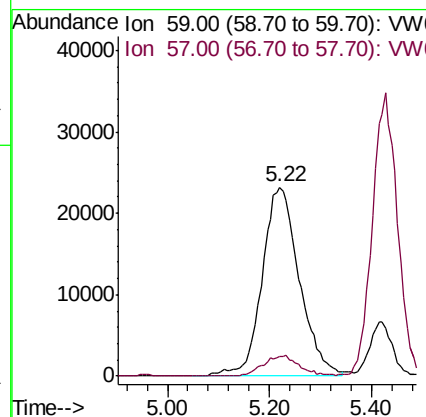
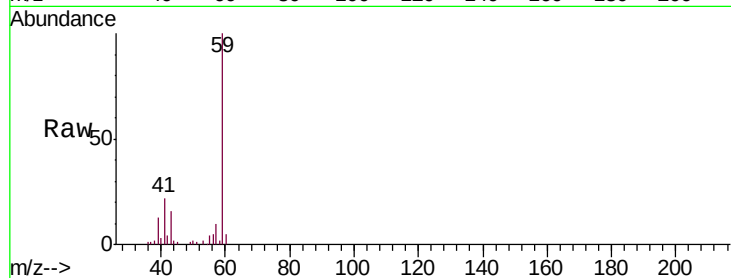
Tert butyl alcohol
Concen: 640.284 ug/l
RT: 5.22 min Scan# 544
Delta R.T. 0.02 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.3	12.5

Manual Integrations
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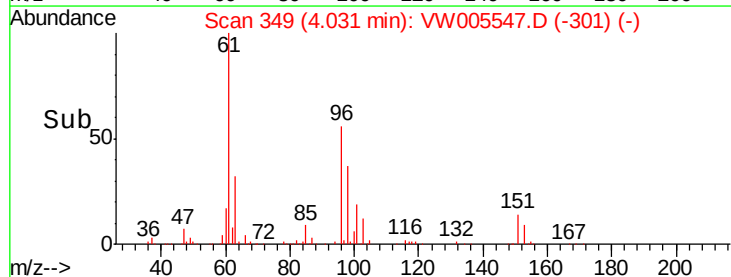
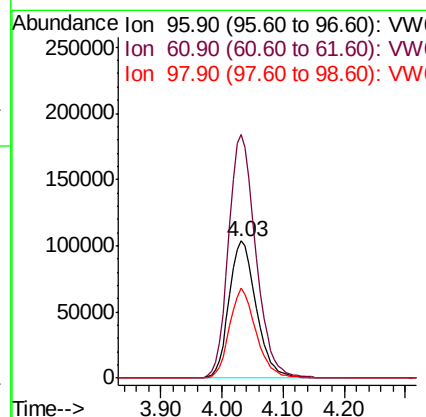
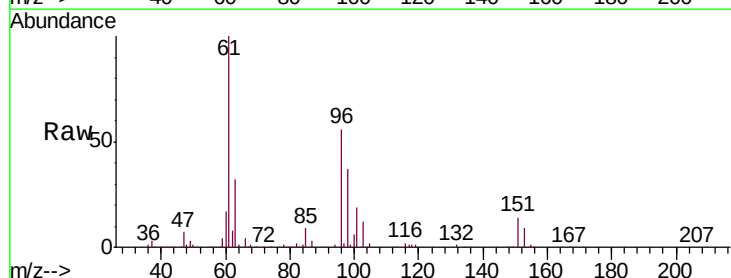
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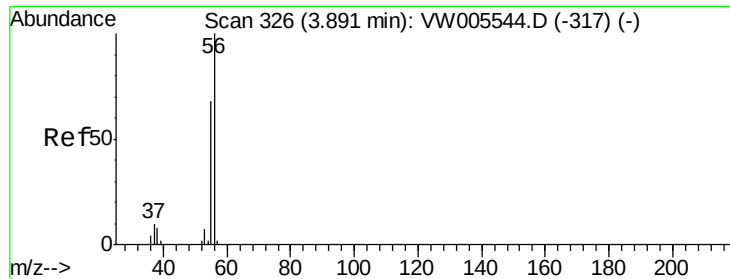


#12

1,1-Dichloroethene
Concen: 159.668 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.4	135.0	202.6
98	65.4	50.6	76.0





#13

Acrolein

Concen: 613.166 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 73964

Ion Ratio Lower Upper

56 100

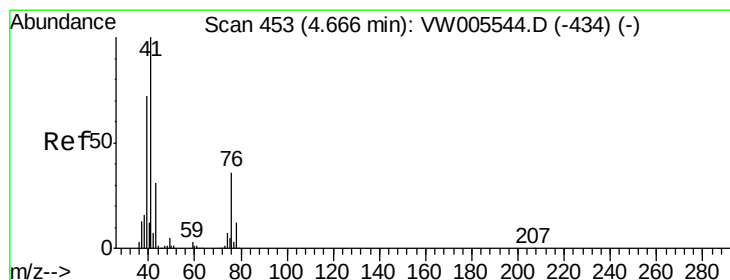
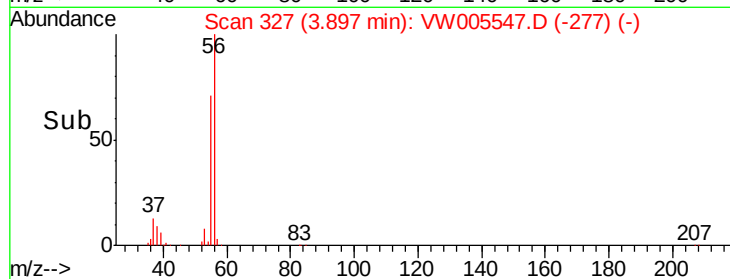
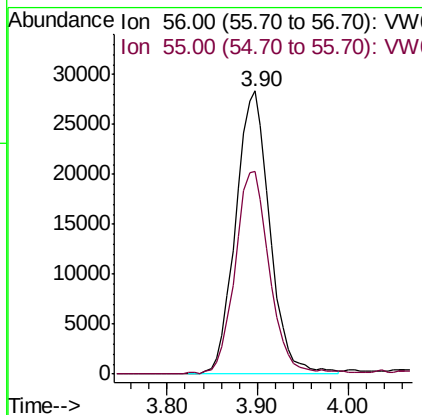
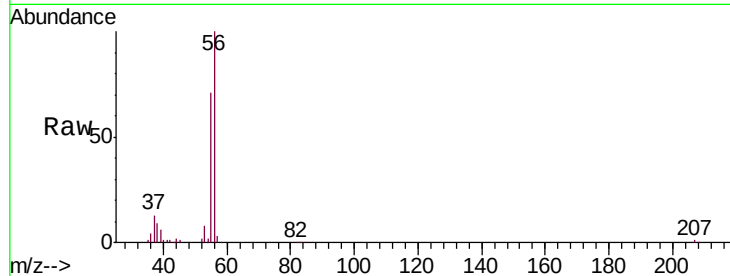
55 72.1 57.8 86.8

Manual Integrations

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#14

Allyl chloride

Concen: 162.190 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

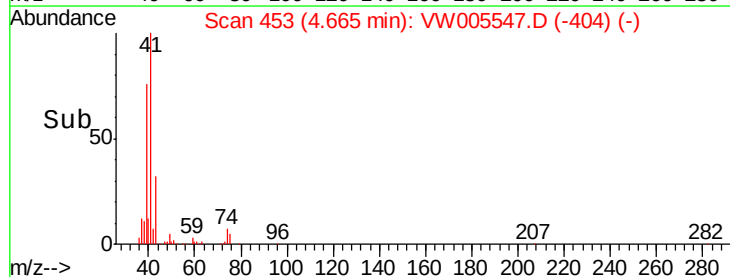
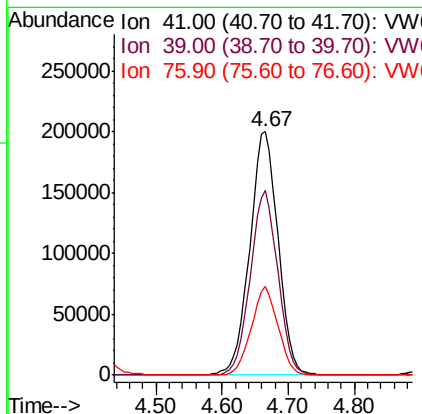
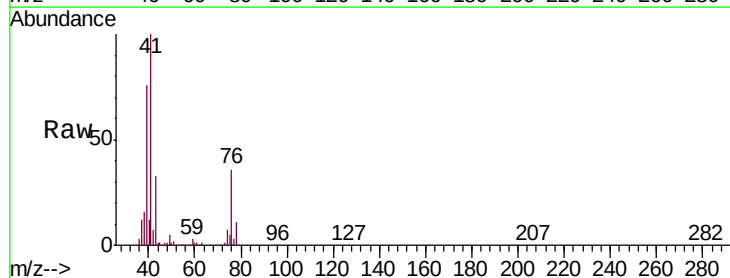
Tgt Ion: 41 Resp: 595825

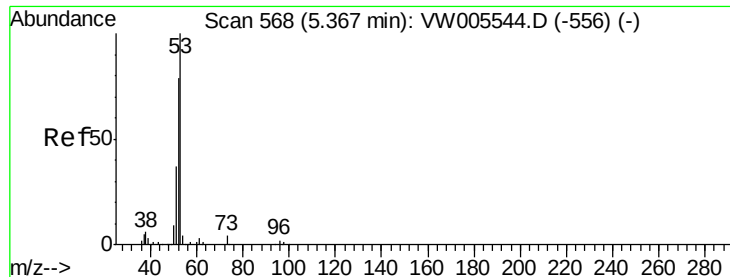
Ion Ratio Lower Upper

41 100

39 73.8 59.6 89.4

76 34.1 27.7 41.5





#15

Acrylonitrile

Concen: 808.164 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

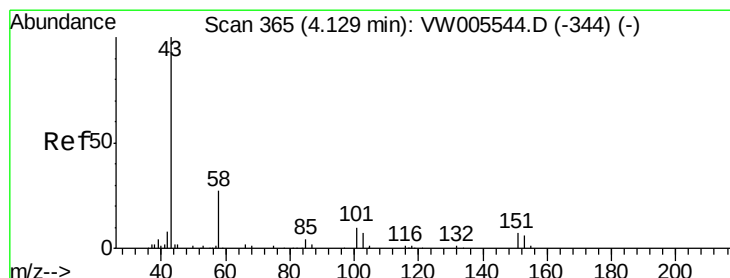
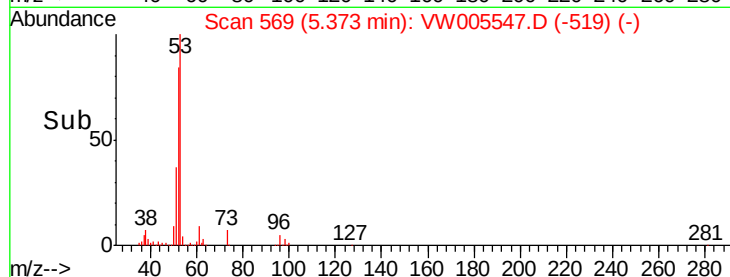
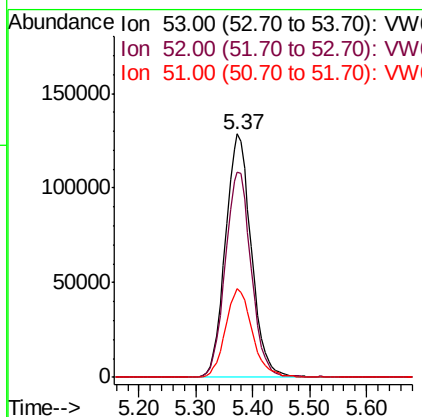
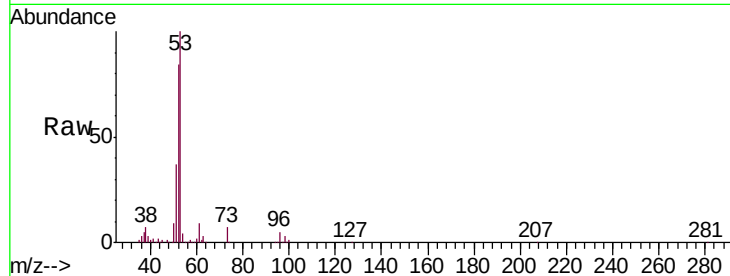
ClientSampleId :

VSTDIC150

Tgt Ion:	53	Resp:	407698
Ion	Ratio	Lower	Upper
53	100		
52	84.5	66.5	99.7
51	37.5	30.6	46.0

Manual Integrations
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#16

Acetone

Concen: 801.680 ug/l

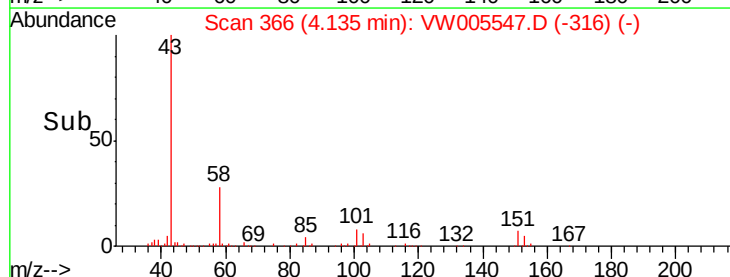
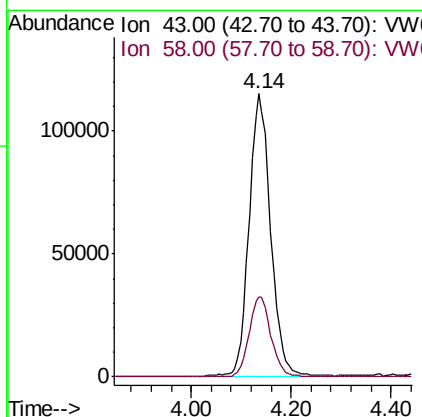
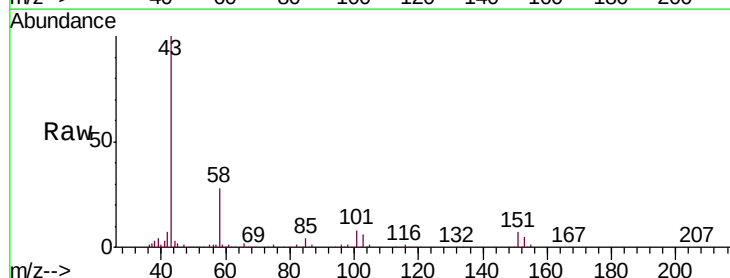
RT: 4.14 min Scan# 366

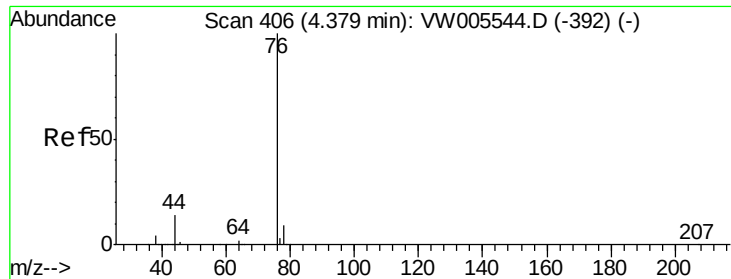
Delta R.T. 0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion:	43	Resp:	348577
Ion	Ratio	Lower	Upper
43	100		
58	28.2	21.8	32.8





#17

Carbon Disulfide

Concen: 142.694 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 76 Resp: 980282

Ion Ratio Lower Upper

76 100

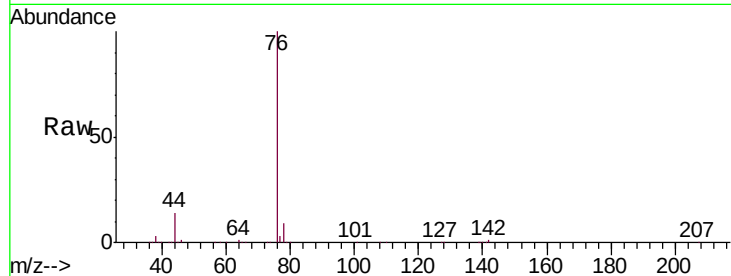
78 9.3 7.4 11.0

Manual Integrations

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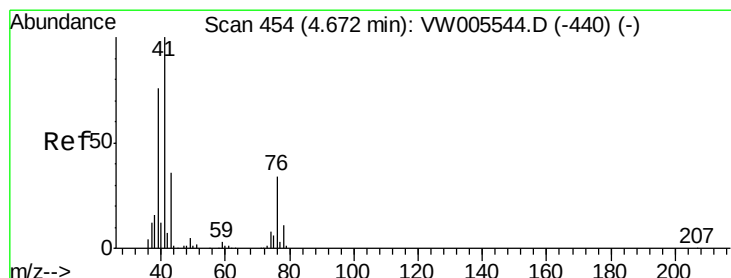
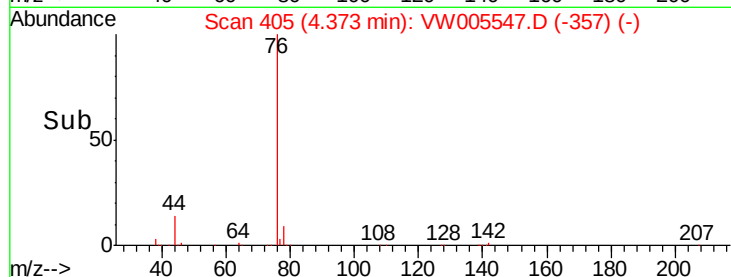
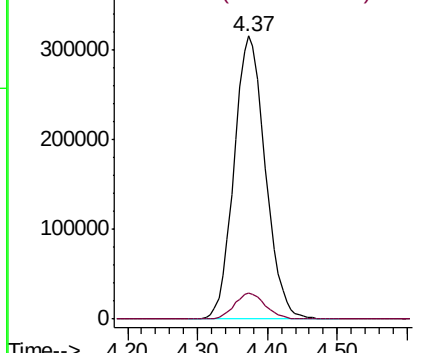
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 165.889 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW005547.D

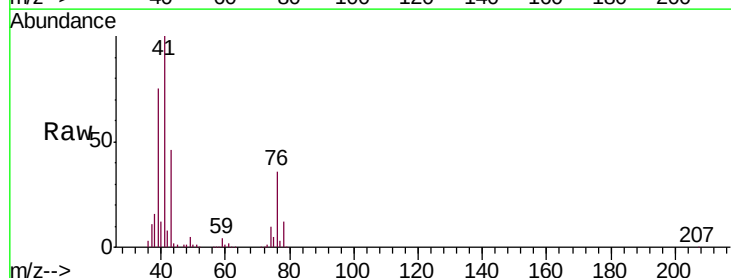
Acq: 20 Sep 2018 23:11

Tgt Ion: 43 Resp: 210065

Ion Ratio Lower Upper

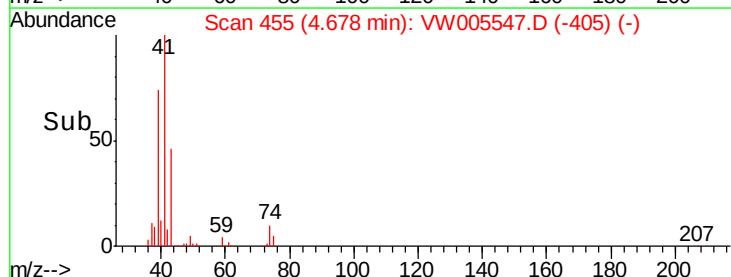
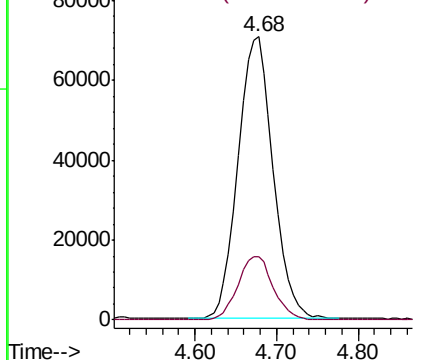
43 100

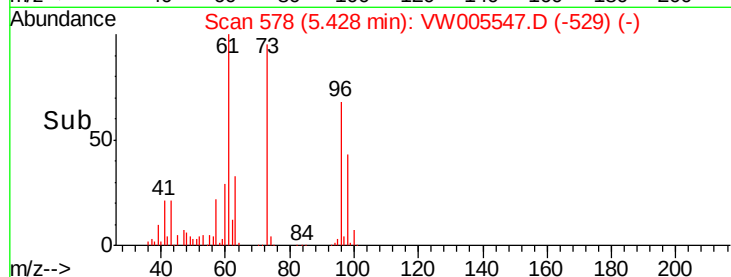
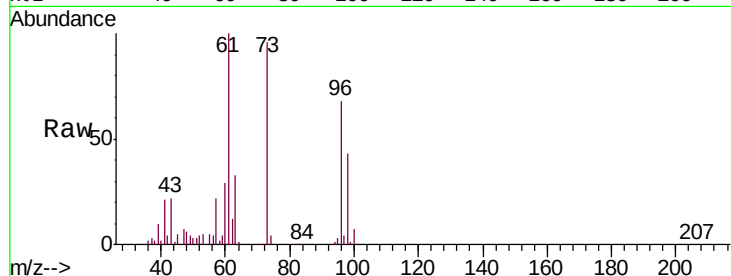
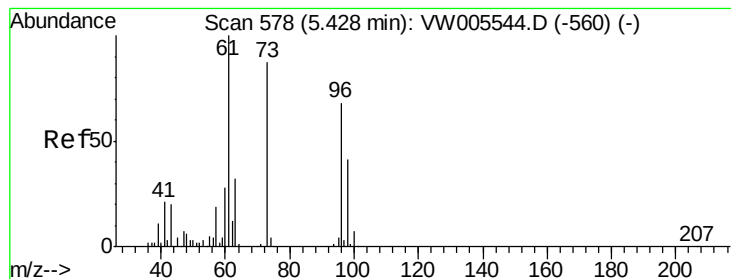
74 22.7 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

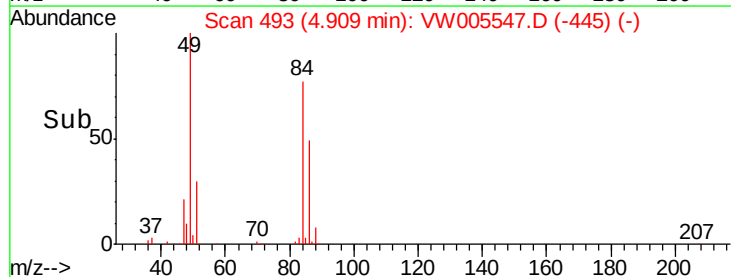
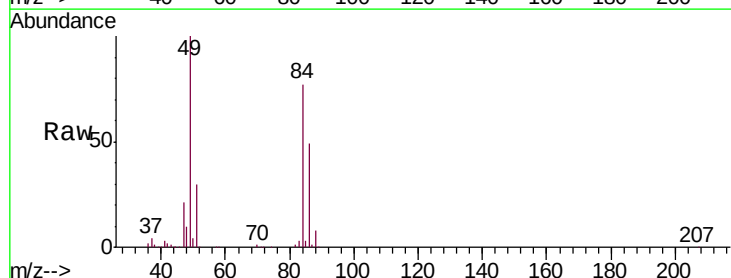
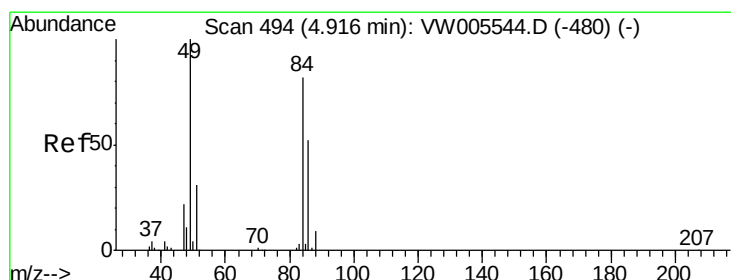
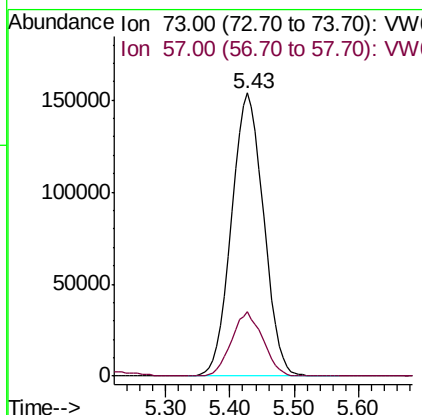
Methyl tert-butyl Ether
 Concen: 106.969 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.6	26.4

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Manual Integrations
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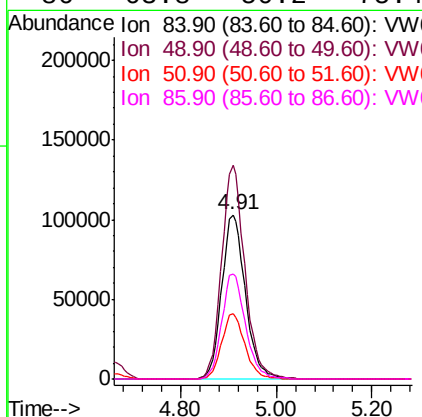
apatel
 10/2/2018 12:28:33 PM

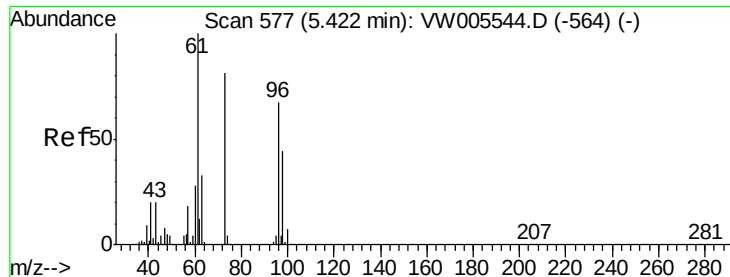


#20

Methylene Chloride
 Concen: 113.169 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
84	100		
49	129.8	97.0	145.6
51	39.5	30.2	45.2
86	63.8	50.2	75.4





#21

trans-1,2-Dichloroethene

Concen: 150.714 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

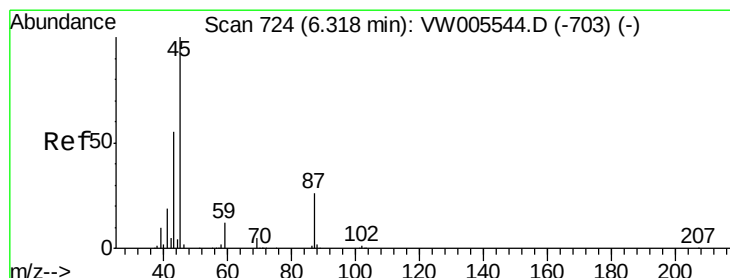
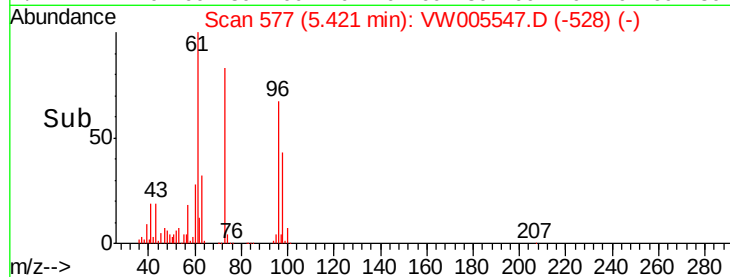
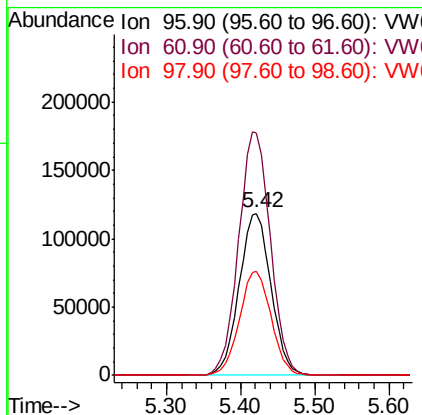
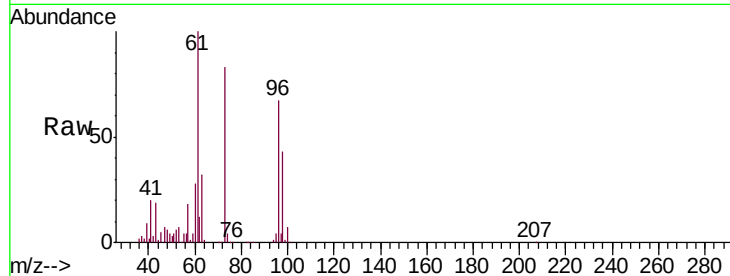
ClientSampleId :

VSTDIC150

Tgt Ion:	96	Resp:	355846
Ion	Ratio	Lower	Upper
96	100		
61	149.4	118.9	178.3
98	64.6	52.1	78.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 164.955 ug/l

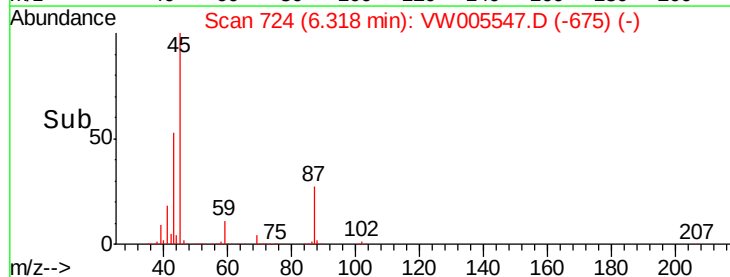
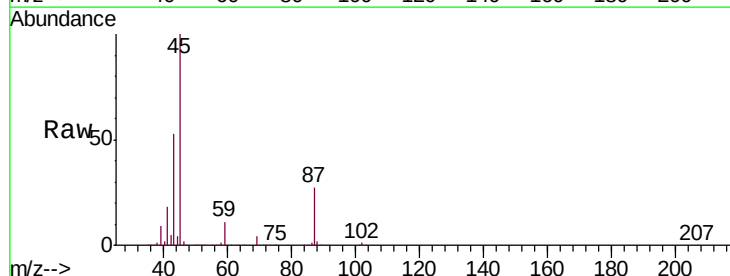
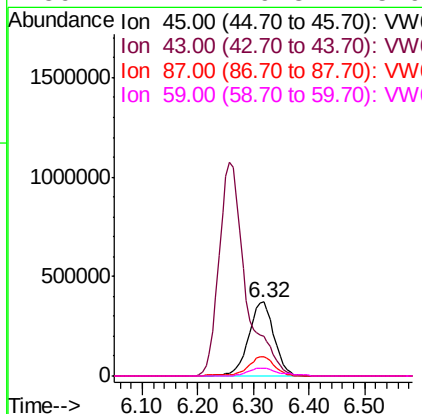
RT: 6.32 min Scan# 724

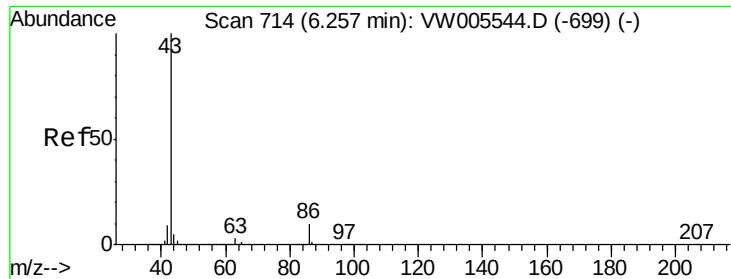
Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion:	45	Resp:	1184825
Ion	Ratio	Lower	Upper
45	100		
43	53.3	44.2	66.4
87	26.8	21.4	32.2
59	11.2	9.3	13.9





#23

Vinyl Acetate

Concen: 867.026 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 3557720

Ion Ratio Lower Upper

43 100

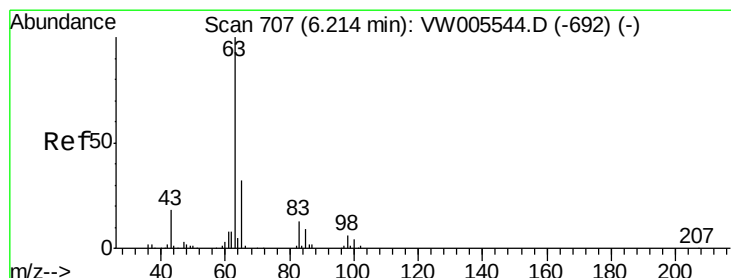
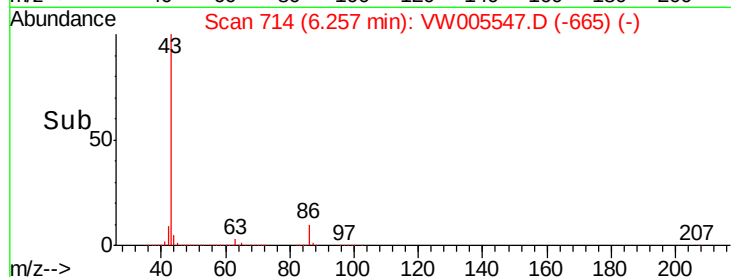
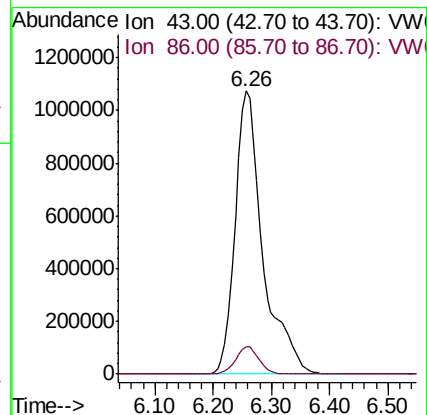
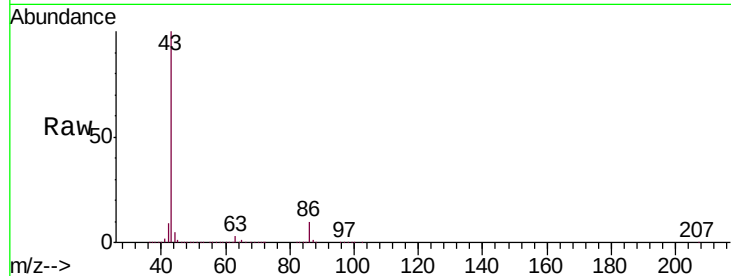
86 9.6 7.7 11.5

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 156.006 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

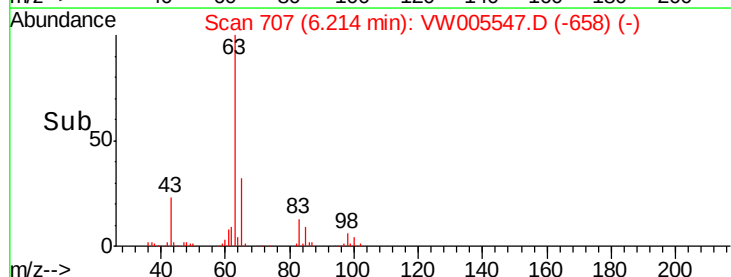
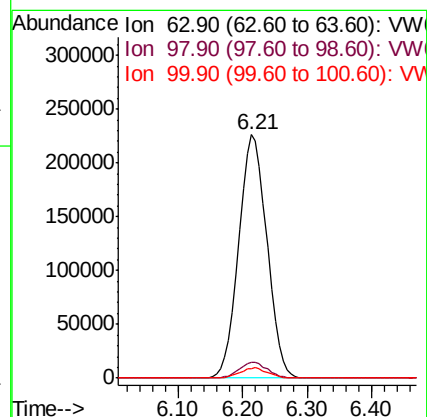
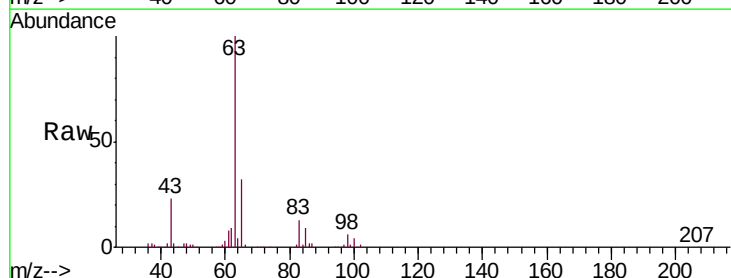
Tgt Ion: 63 Resp: 685141

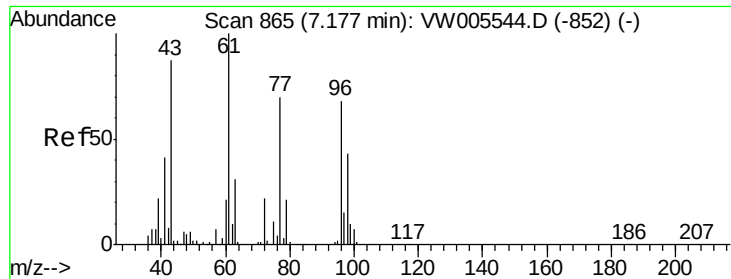
Ion Ratio Lower Upper

63 100

98 6.5 2.9 8.8

100 3.9 2.1 6.2





#25

2-Butanone

Concen: 839.663 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tgt Ion: 43 Resp: 532210

Ion Ratio Lower Upper

43 100

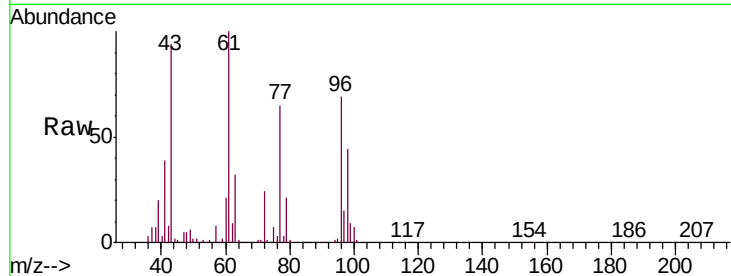
72 25.0 19.9 29.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW

7.18

200000

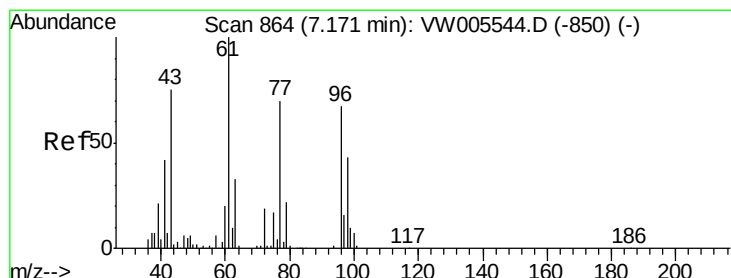
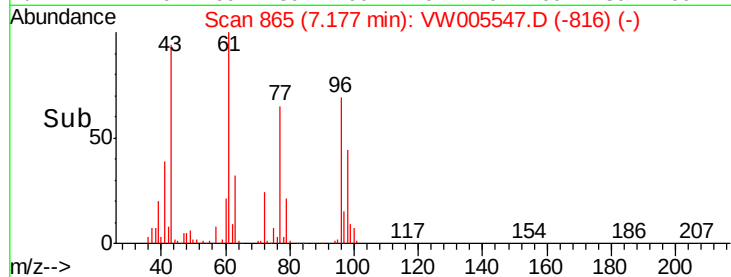
150000

100000

50000

0

Time-->



#26

2,2-Dichloropropane

Concen: 114.987 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW005547.D

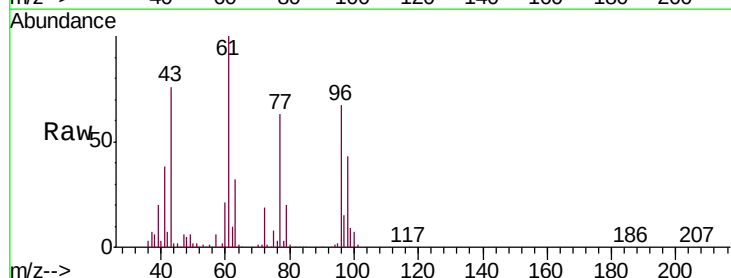
Acq: 20 Sep 2018 23:11

Tgt Ion: 77 Resp: 432603

Ion Ratio Lower Upper

77 100

97 22.5 11.0 33.0



Abundance Ion 76.90 (76.60 to 77.60): VW

Ion 96.90 (96.60 to 97.60): VW

7.17

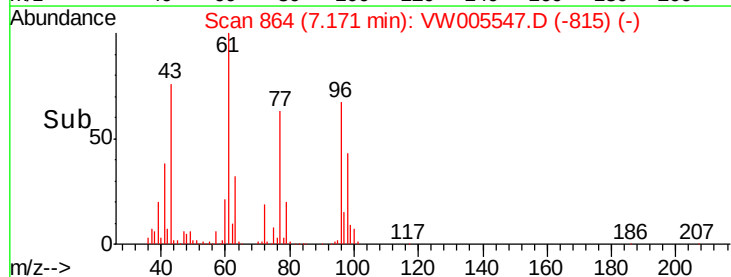
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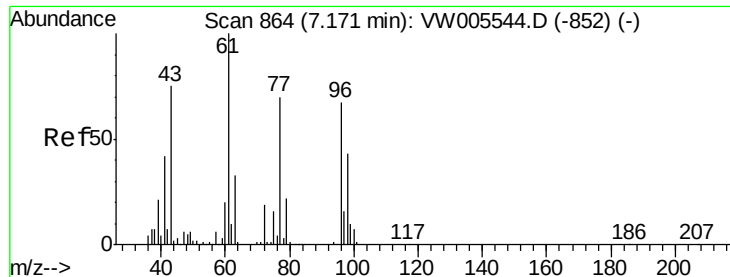
100000

50000

0

Time-->





#27

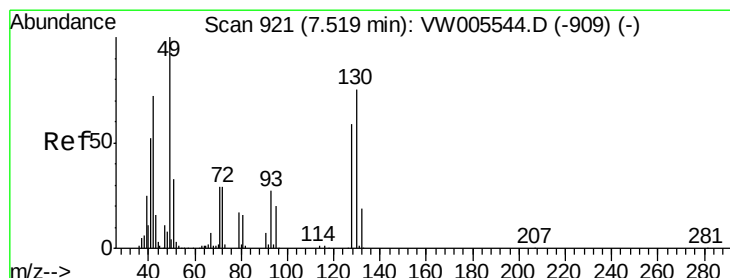
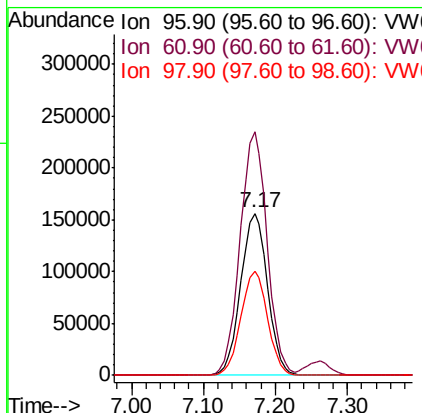
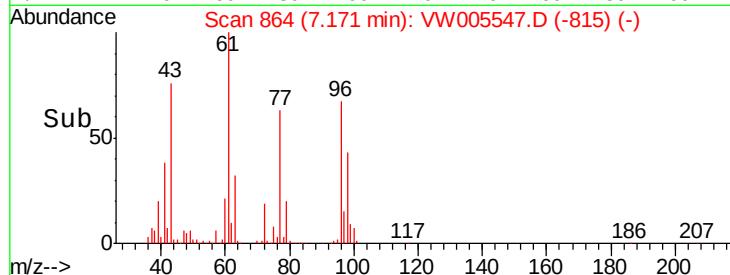
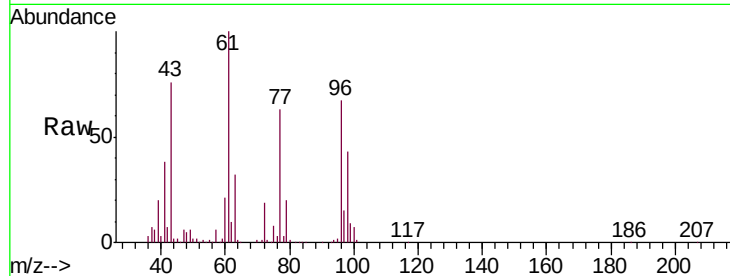
cis-1,2-Dichloroethene
Concen: 157.728 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	405249		
61	150.8	0.0	303.4	
98	64.0	0.0	127.2	

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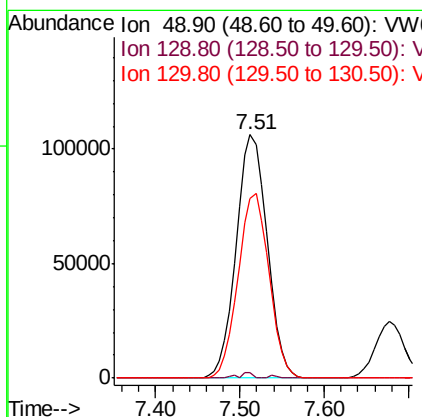
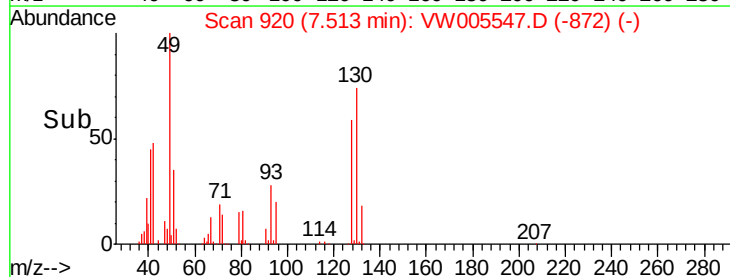
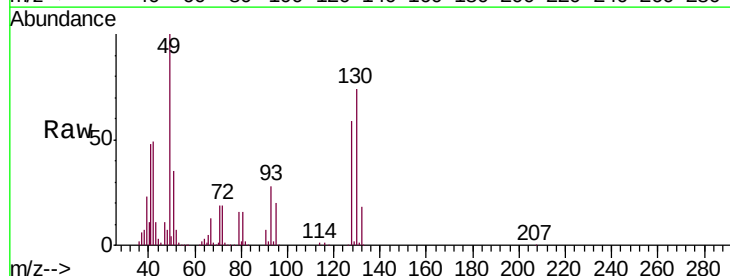
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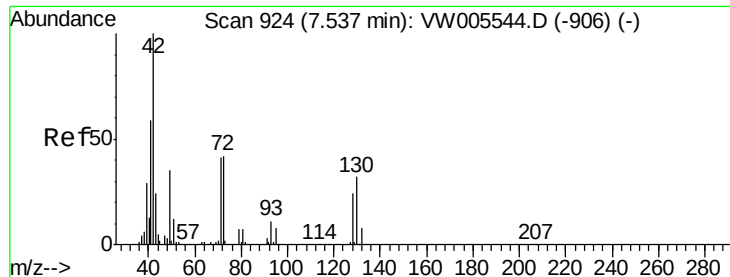


#28

Bromochloromethane
Concen: 154.897 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	264809		
129	0.9	0.0	1.4	
130	75.5	61.3	91.9	





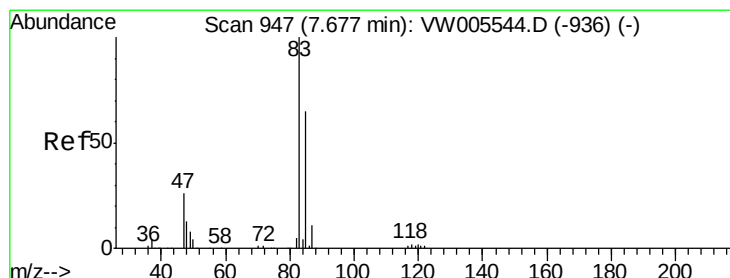
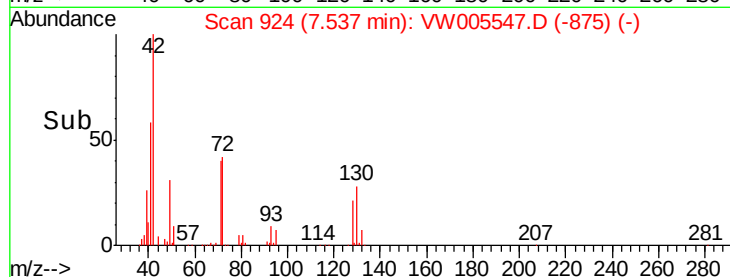
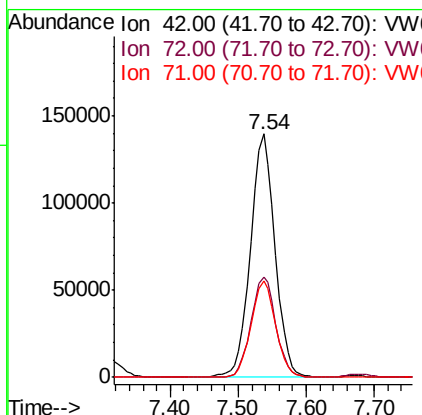
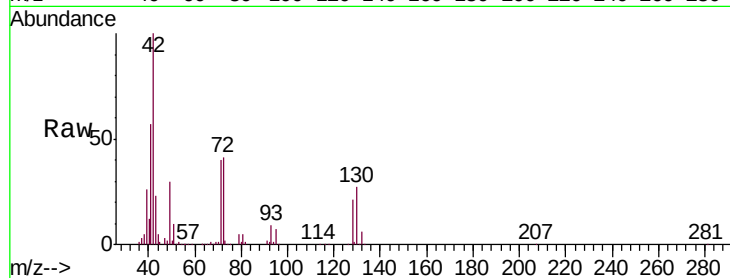
#29
Tetrahydrofuran
Concen: 867.693 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tgt Ion:	42	Resp:	351527
Ion Ratio		Lower	Upper
42	100		
72	41.7	33.6	50.4
71	39.7	31.8	47.6

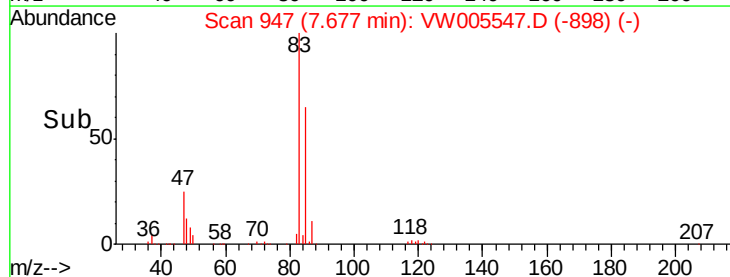
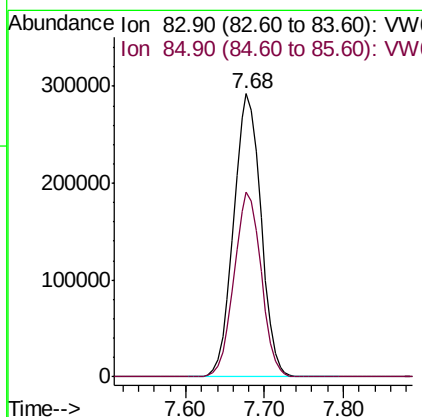
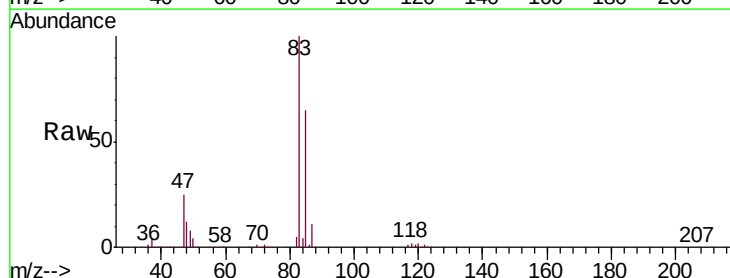
Manual Integrations
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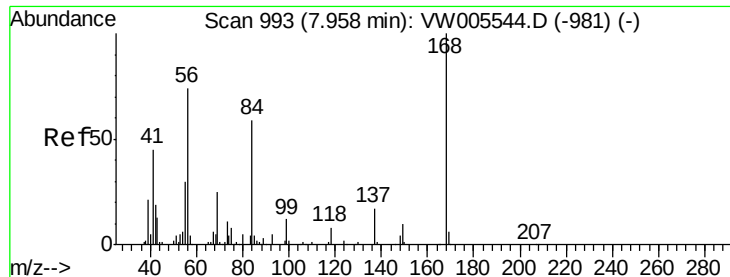
apatel
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#30
Chloroform
Concen: 154.837 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:	83	Resp:	705852
Ion Ratio		Lower	Upper
83	100		
85	65.3	51.8	77.6





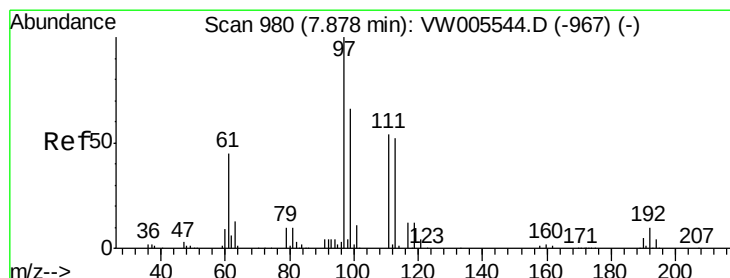
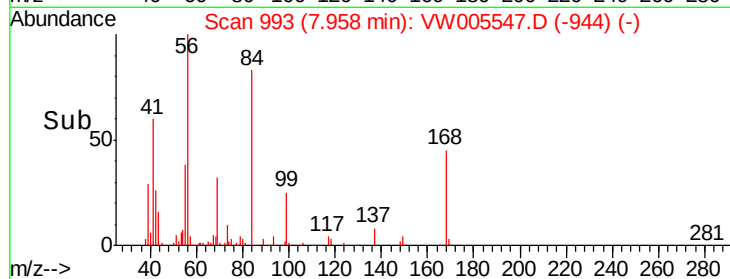
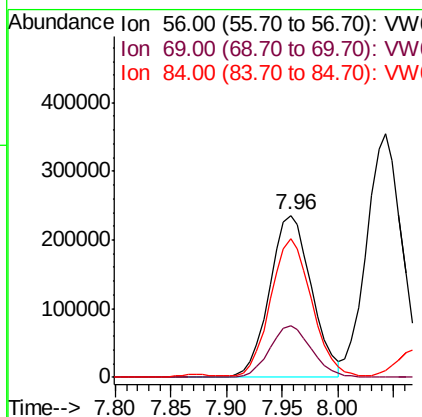
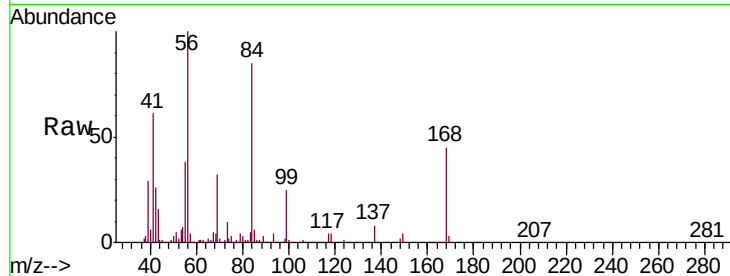
#31
Cyclohexane
Concen: 147.058 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
56	100		
69	31.6	27.0	40.4
84	83.9	64.2	96.4

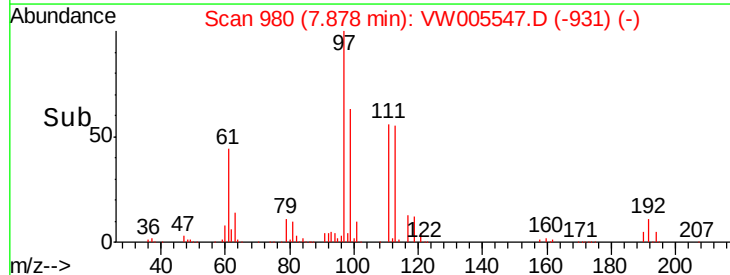
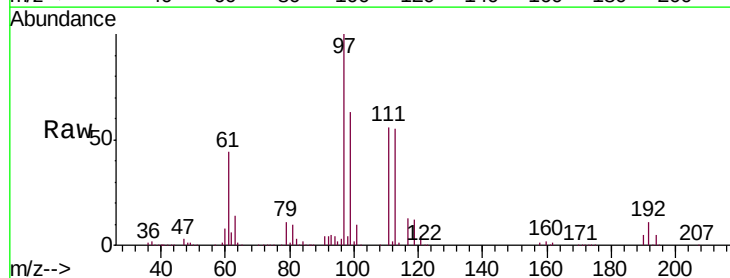
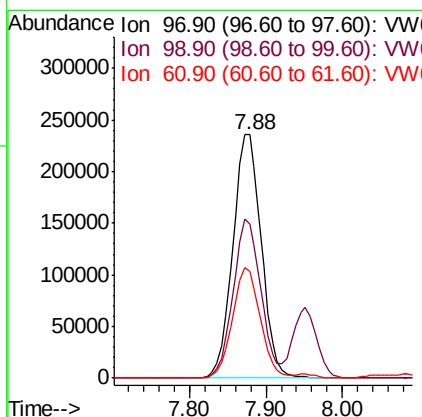
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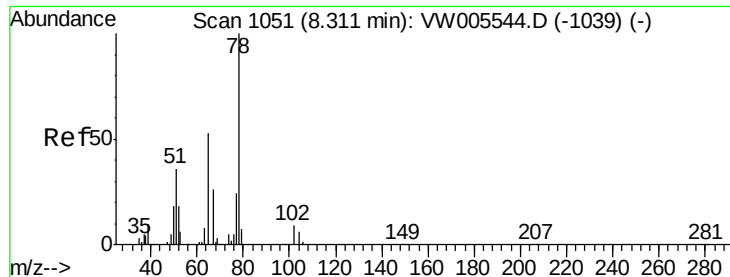
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#32
1,1,1-Trichloroethane
Concen: 145.703 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.0	76.6
61	44.4	36.2	54.2





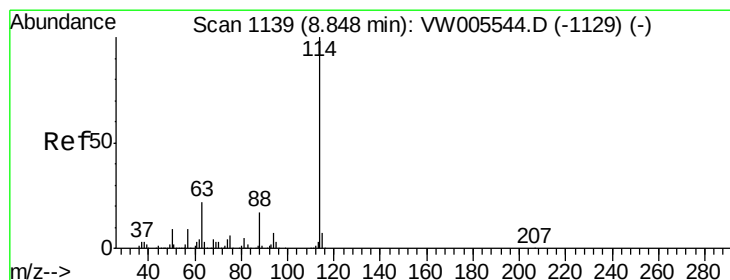
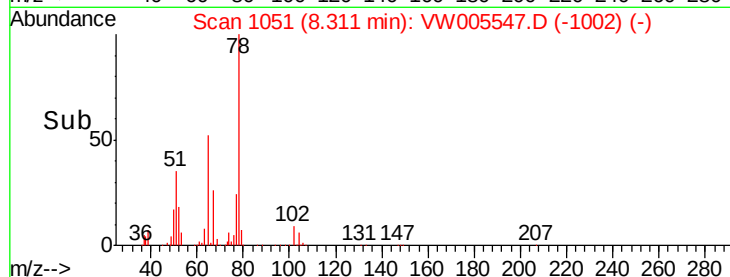
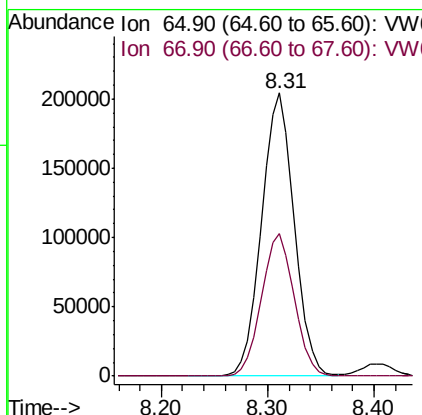
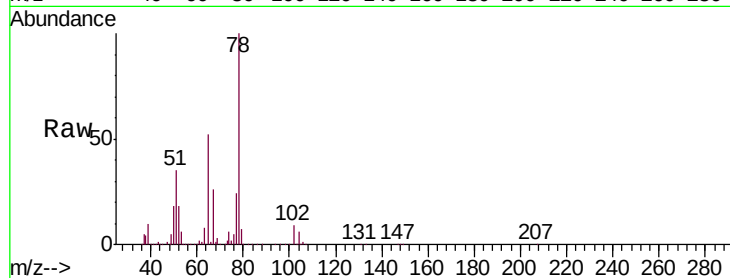
#33
 1,2-Dichloroethane-d4
 Concen: 163.394 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	437016		
67	50.8	0.0	100.6	

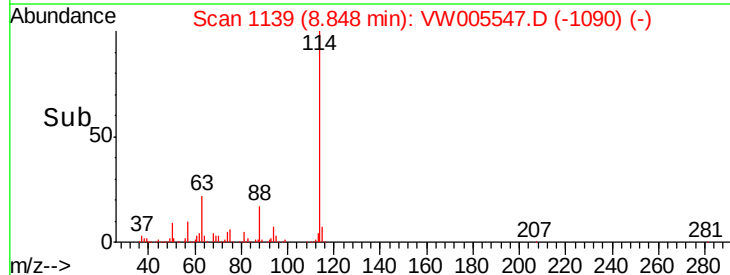
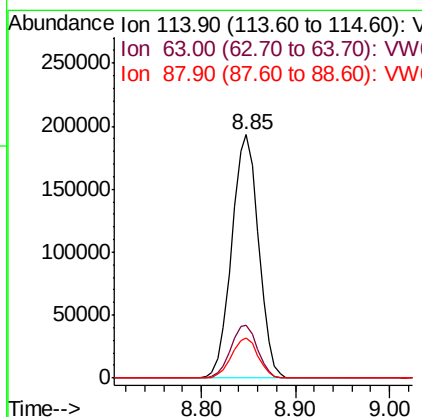
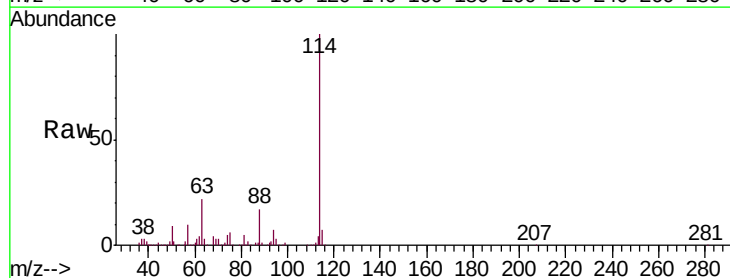
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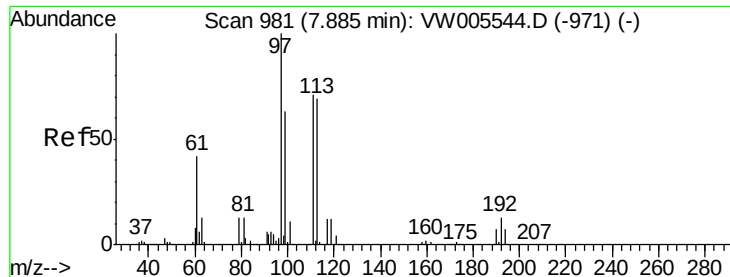
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	381954		
63	21.9	0.0	43.0	
88	16.6	0.0	33.0	





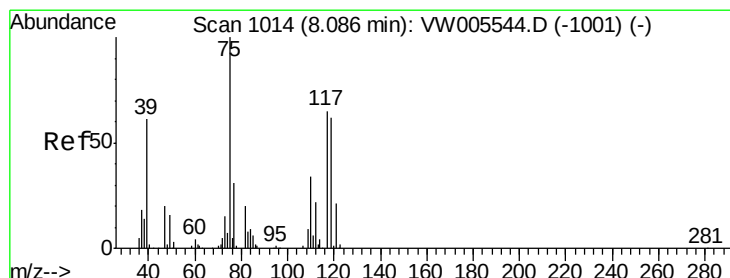
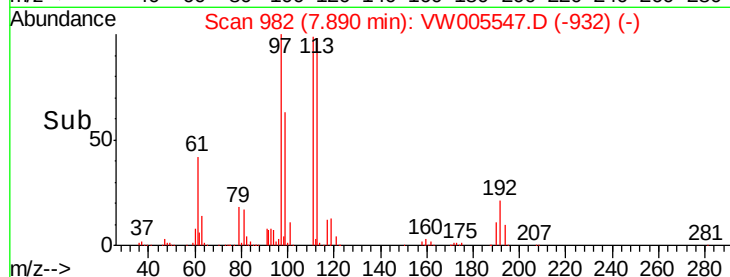
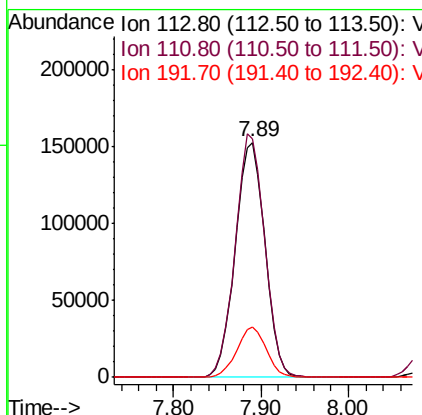
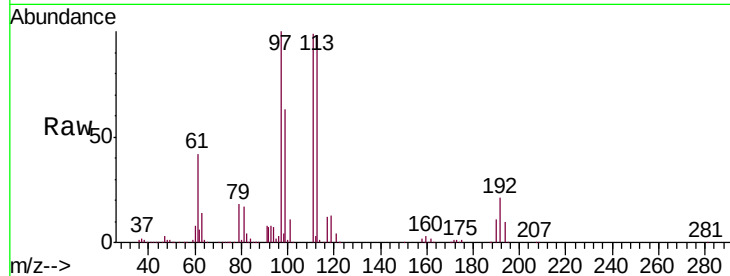
#35
 Dibromofluoromethane
 Concen: 163.310 ug/l
 RT: 7.89 min Scan# 982
 Delta R.T. 0.01 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	360960		
111	102.5	82.6	123.8	
192	21.1	17.0	25.4	

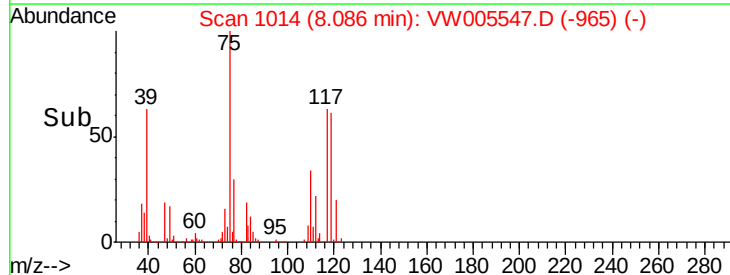
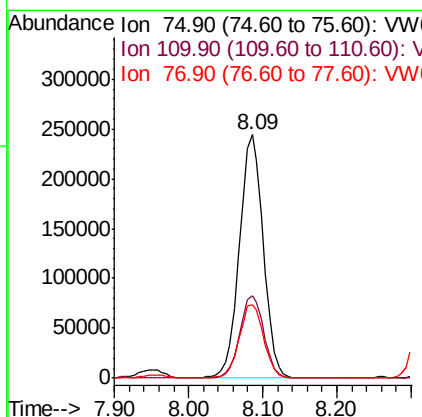
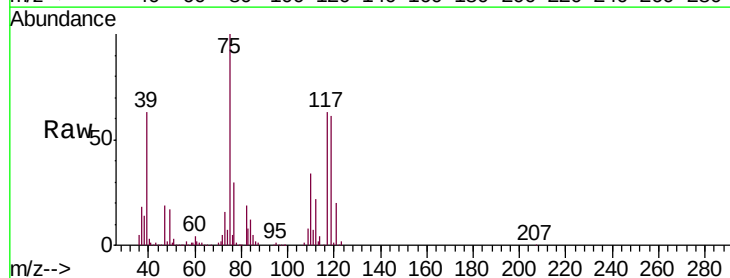
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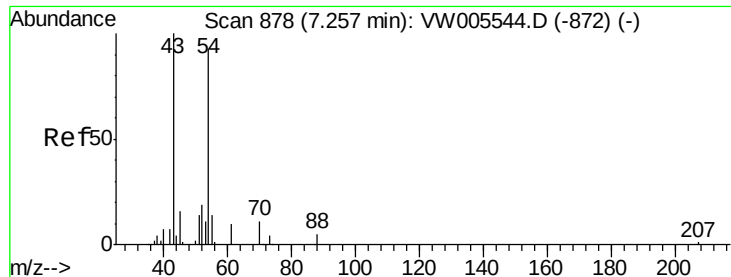
apatel
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#36
 1,1-Dichloropropene
 Concen: 149.368 ug/l
 RT: 8.09 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	548834		
110	34.0	17.0	50.9	
77	30.9	24.8	37.2	





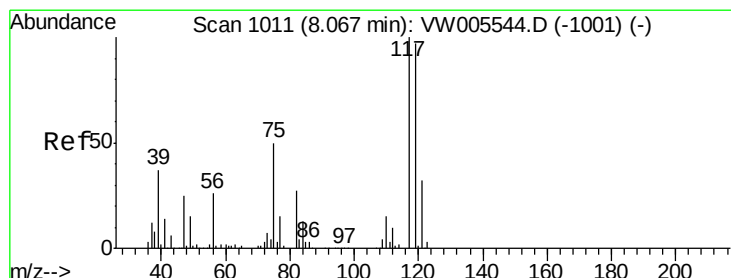
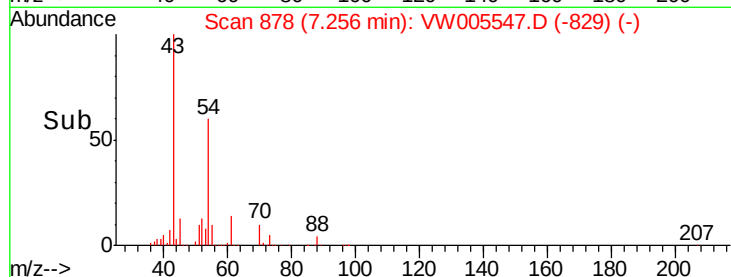
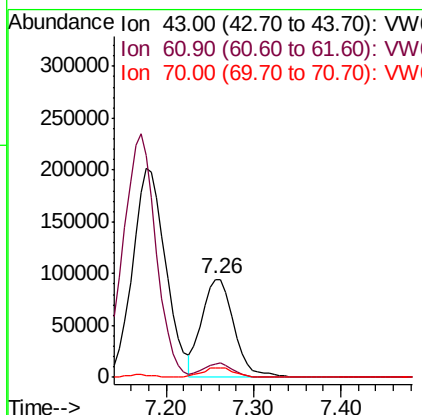
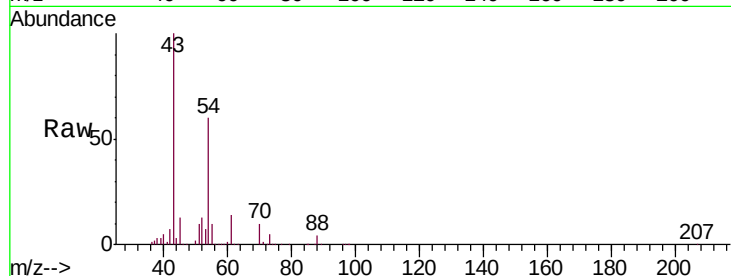
#37
Ethyl Acetate
Concen: 160.548 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.4	15.6
70	10.0	8.2	12.2

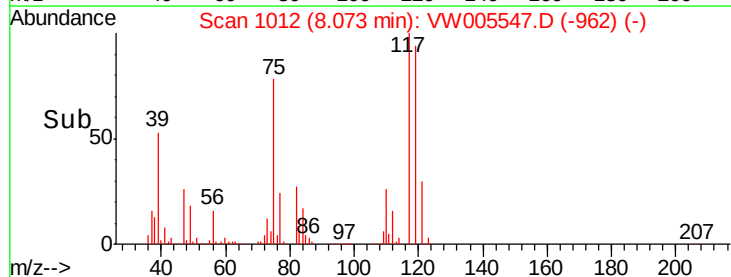
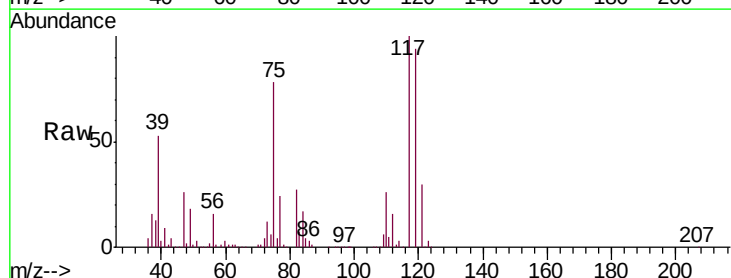
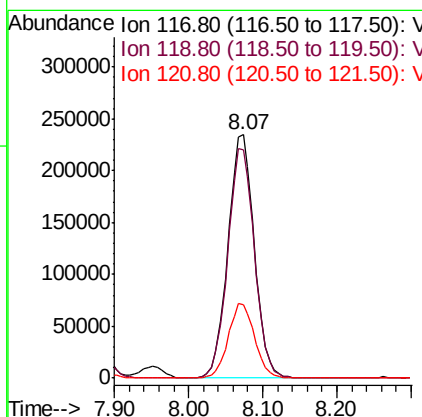
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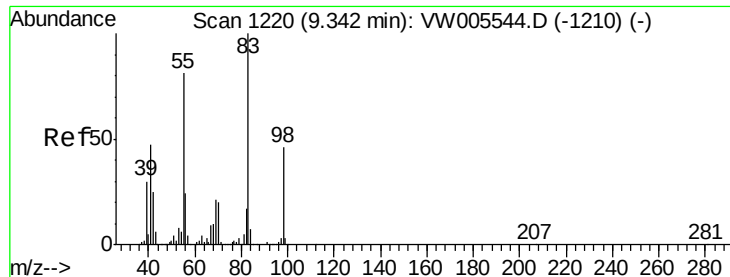
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#38
Carbon Tetrachloride
Concen: 150.227 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	77.6	116.4
121	30.1	25.7	38.5





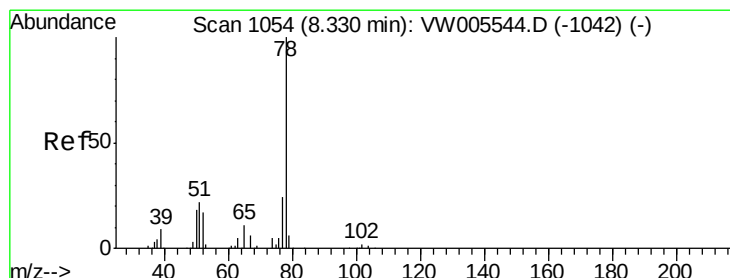
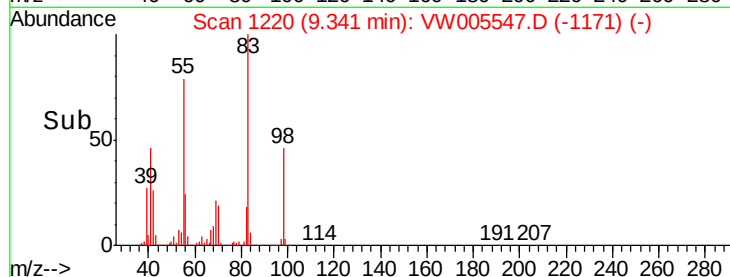
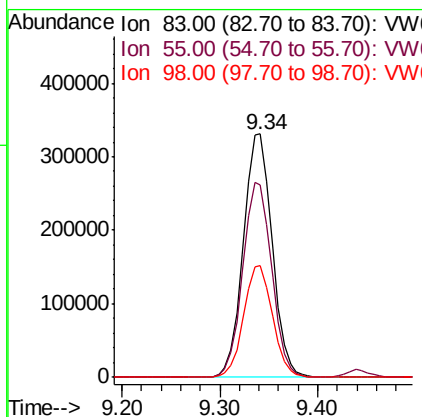
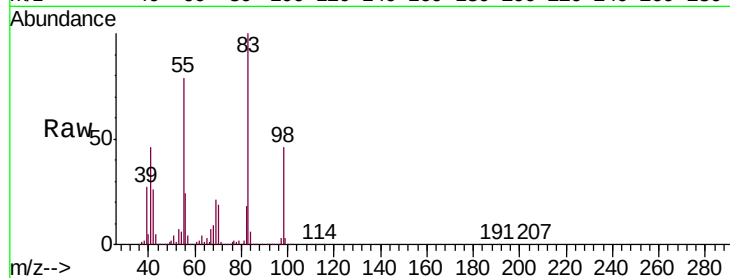
#39
Methylcyclohexane
Concen: 159.056 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	677627		
55	79.3	64.6	97.0	
98	45.9	37.0	55.6	

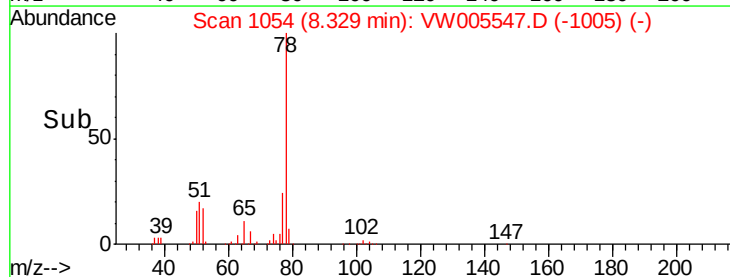
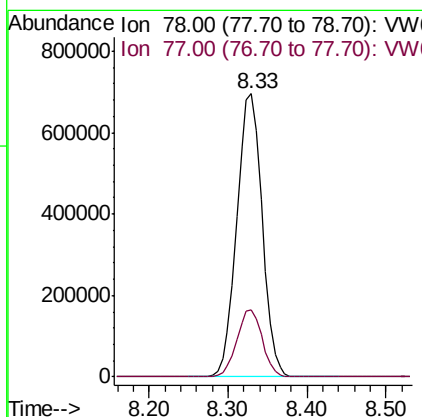
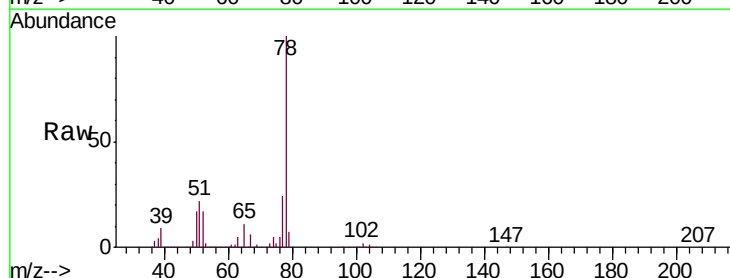
Manual Integrations
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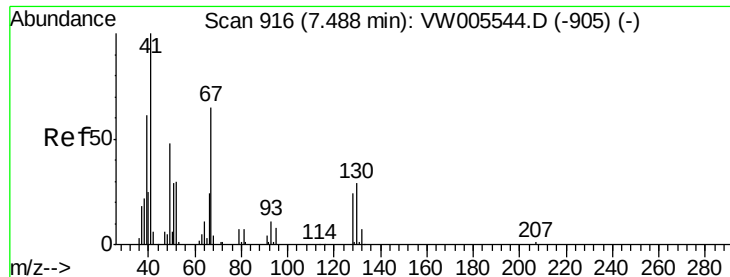
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#40
Benzene
Concen: 146.987 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	1555829		
77	23.8	19.0	28.4	





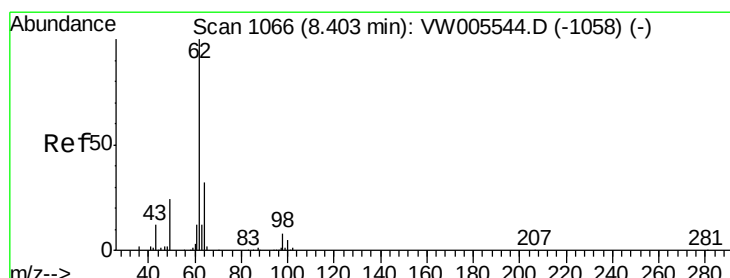
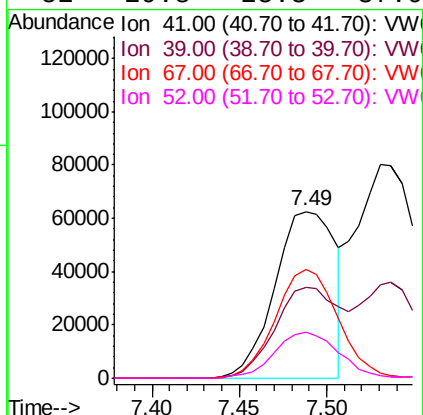
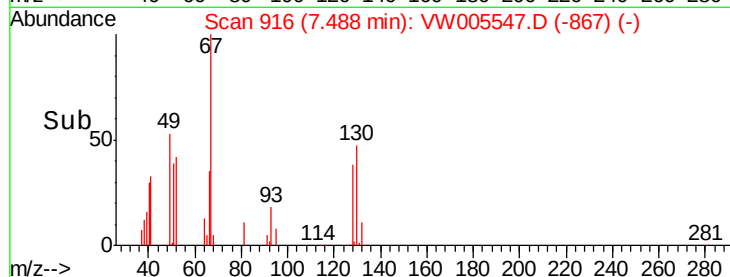
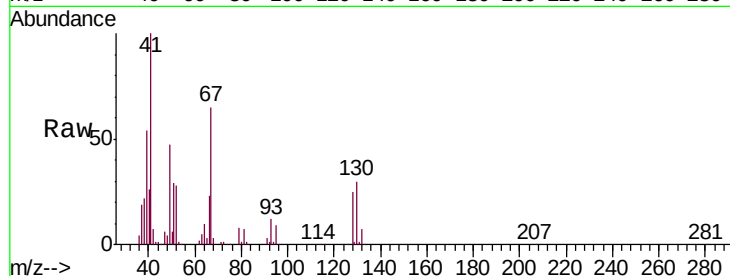
#41
Methacrylonitrile
Concen: 166.852 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	60.3	45.4	68.2
67	68.1	55.2	82.8
52	29.8	25.3	37.9

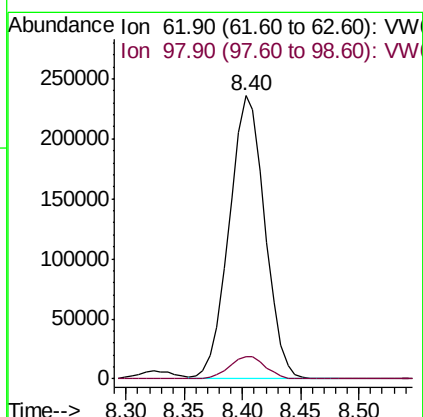
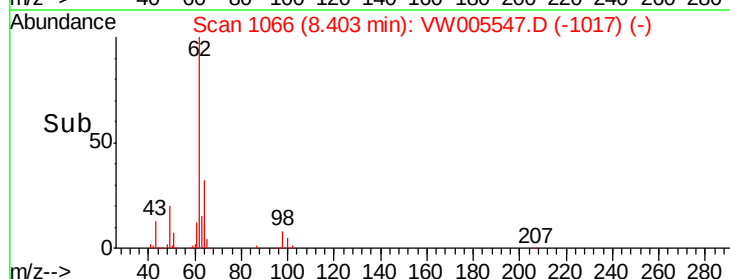
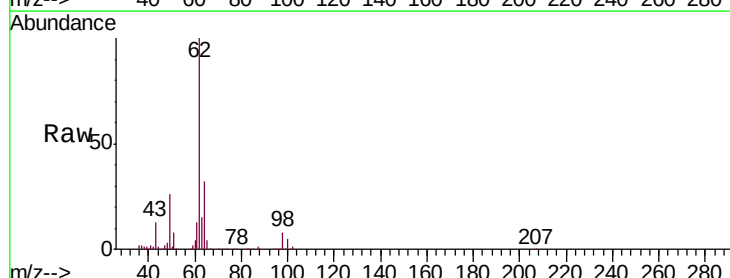
Manual Integrations
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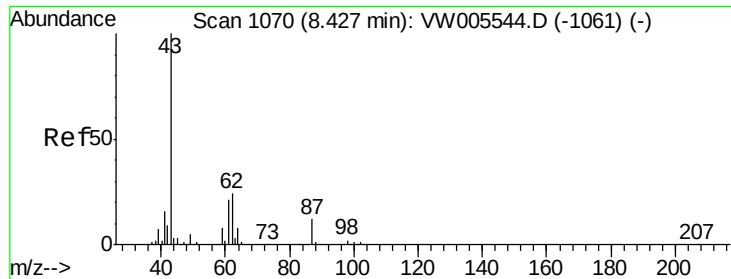
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#42
1,2-Dichloroethane
Concen: 150.214 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	15.6





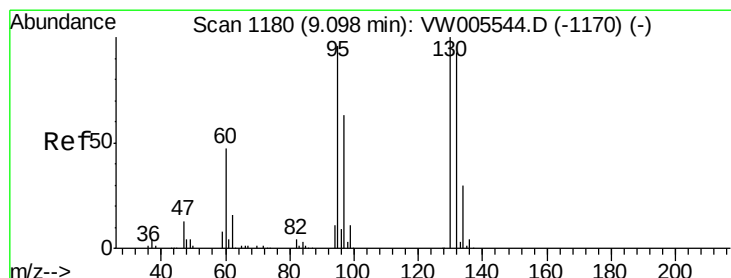
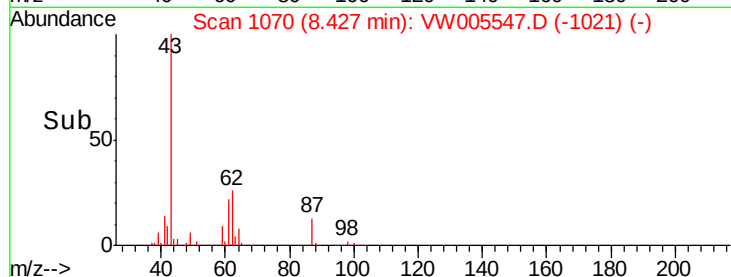
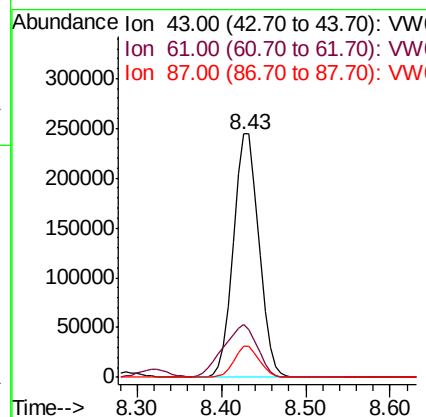
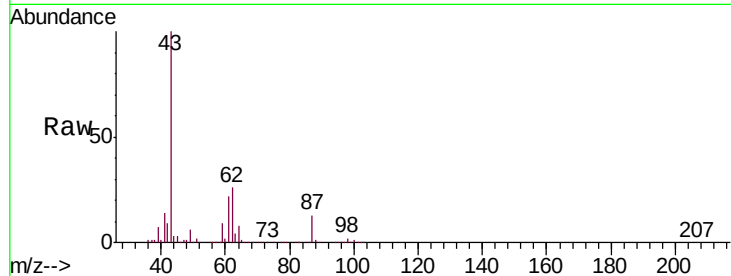
#43
Isopropyl Acetate
Concen: 172.395 ug/l
RT: 8.43 min Scan# 1070
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.1	24.1	36.1
87	12.6	9.8	14.8

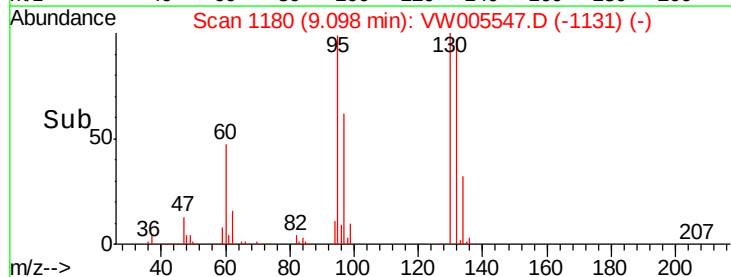
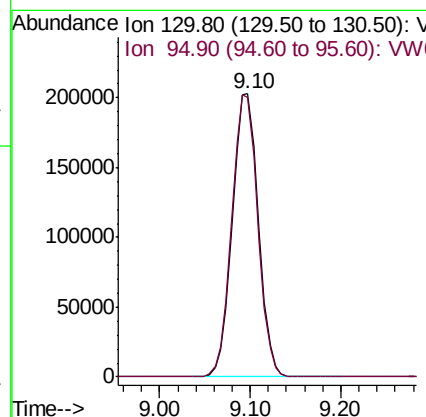
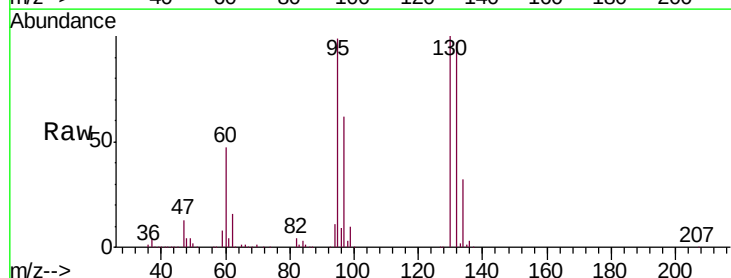
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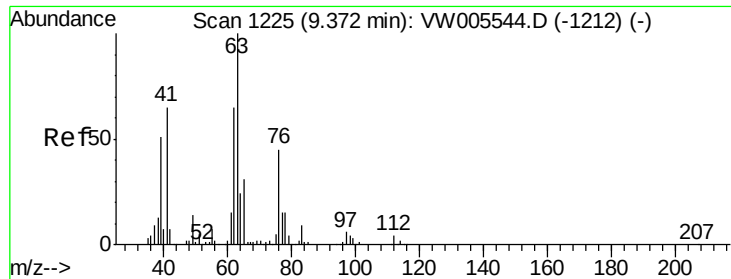
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#44
Trichloroethene
Concen: 147.884 ug/l
RT: 9.10 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.8	0.0	191.2





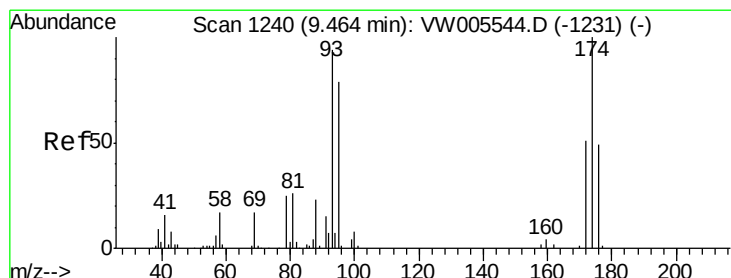
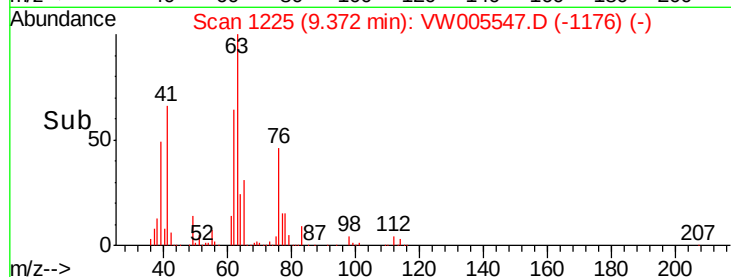
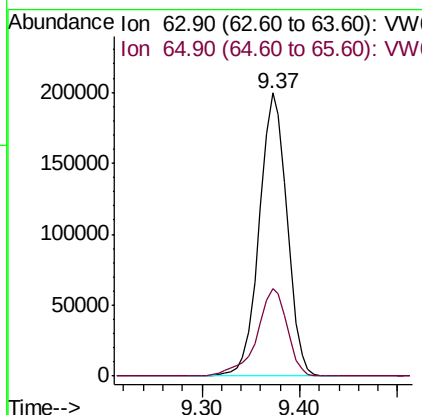
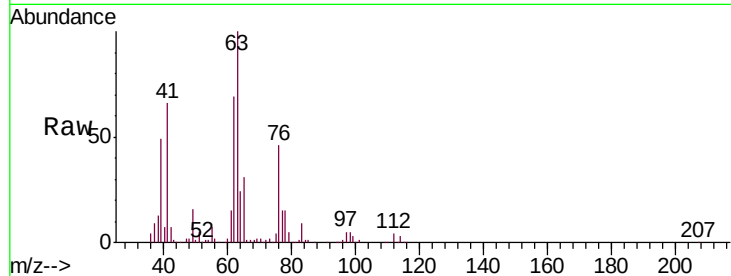
#45
 1,2-Dichloropropane
 Concen: 153.775 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 63 Resp: 391880
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.7 37.1

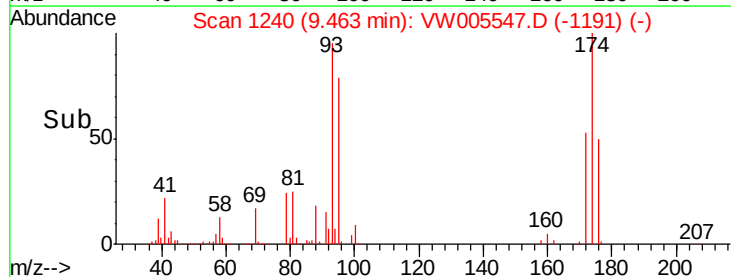
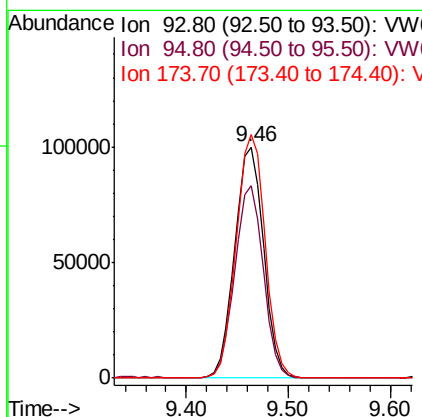
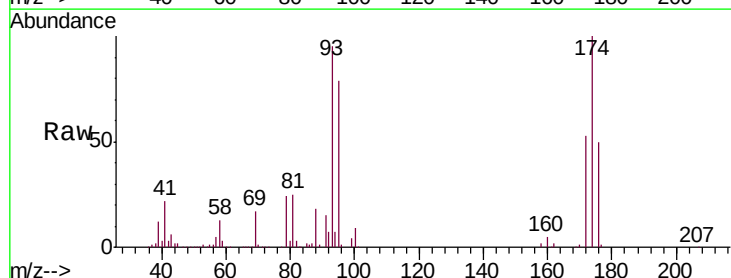
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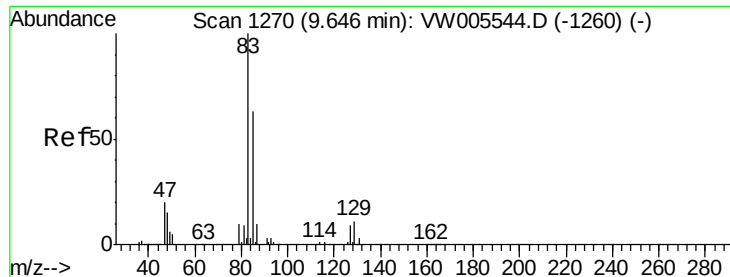
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#46
 Dibromomethane
 Concen: 155.347 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion: 93 Resp: 195638
 Ion Ratio Lower Upper
 93 100
 95 82.4 65.8 98.8
 174 105.7 84.0 126.0





#47

Bromodichloromethane

Concen: 157.905 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

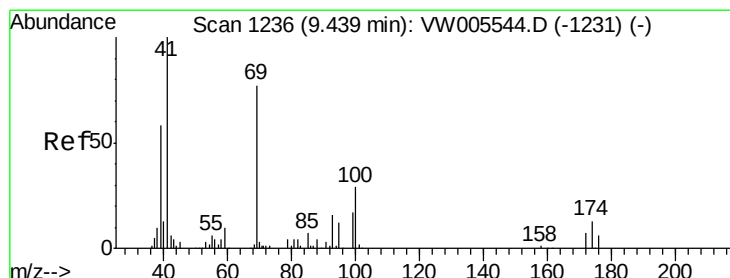
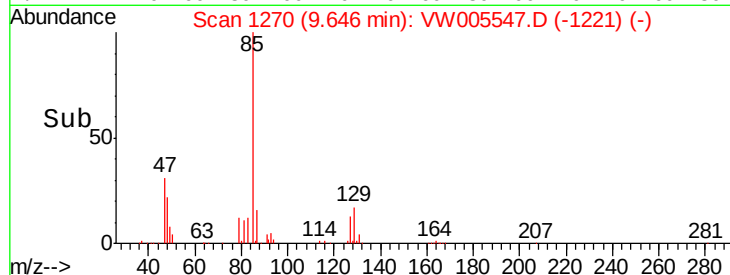
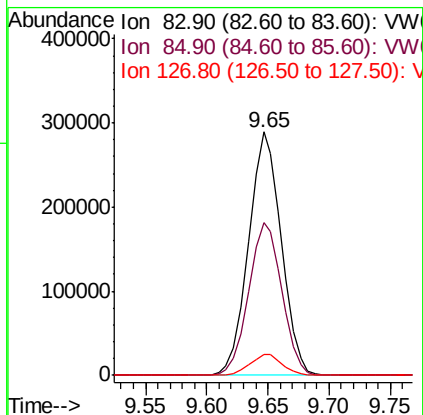
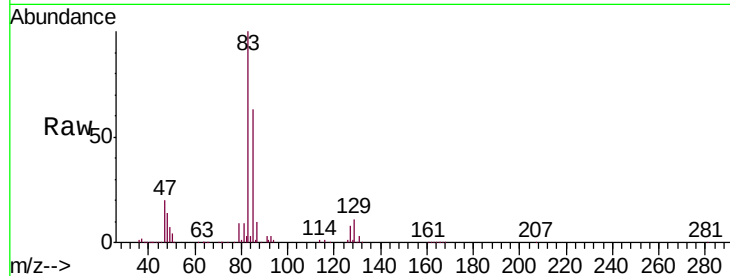
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	537199
Ion	Ratio	Lower	Upper
83	100		
85	62.7	50.5	75.7
127	8.3	7.0	10.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 173.435 ug/l

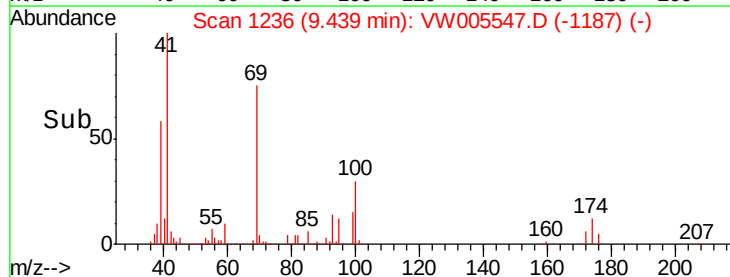
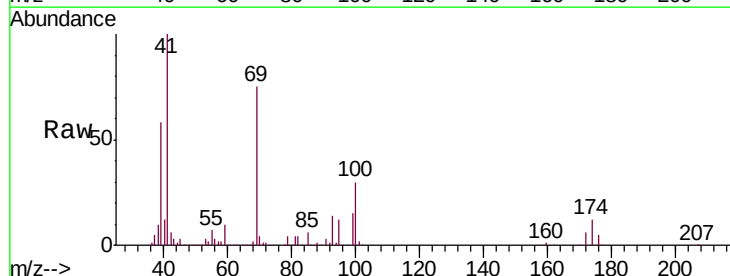
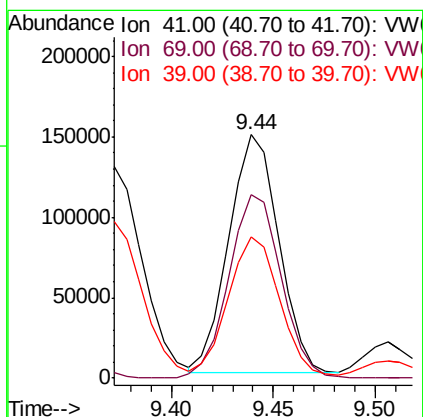
RT: 9.44 min Scan# 1236

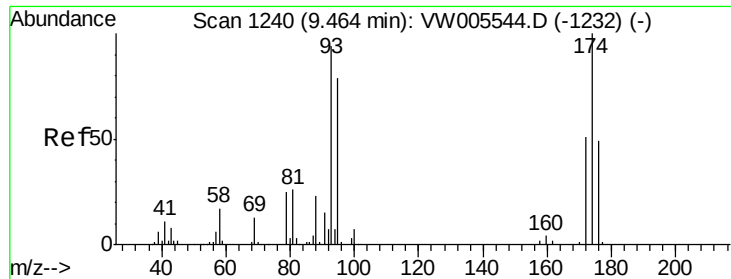
Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion:	41	Resp:	250617
Ion	Ratio	Lower	Upper
41	100		
69	81.4	64.7	97.1
39	59.1	50.5	75.7





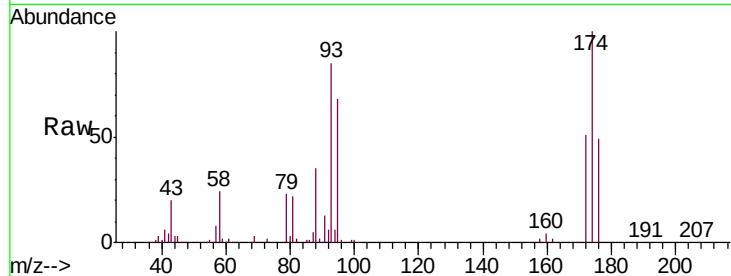
#49
1,4-Dioxane
Concen: 3061.035 ug/l
RT: 9.48 min Scan# 1242
Delta R.T. 0.01 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.3	61.2	91.8

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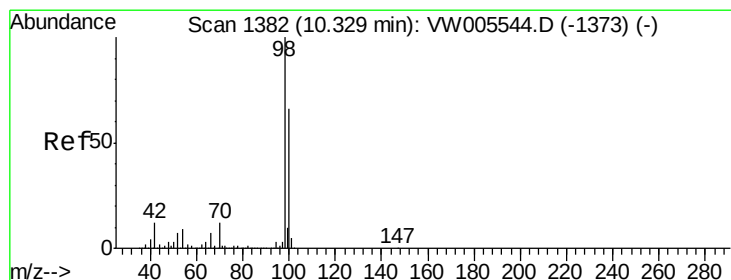
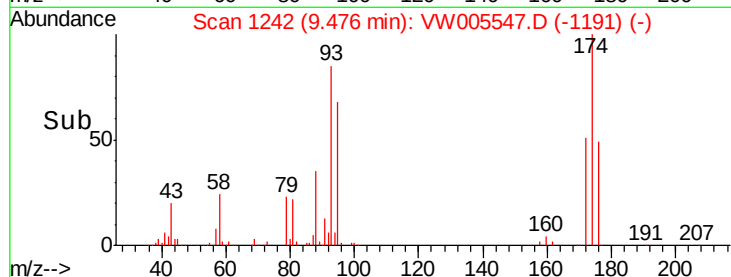
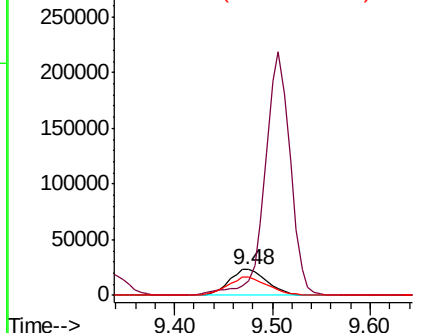


Abundance

Ion 88.00 (87.70 to 88.70): VW

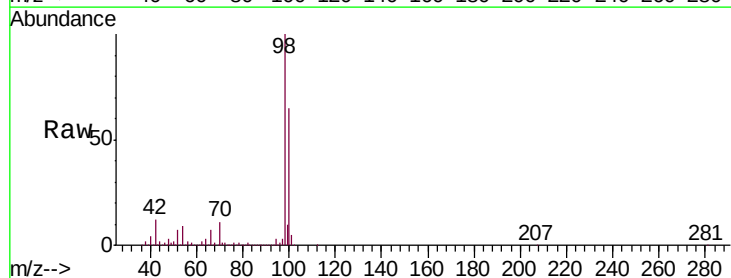
Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#50
Toluene-d8
Concen: 151.807 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

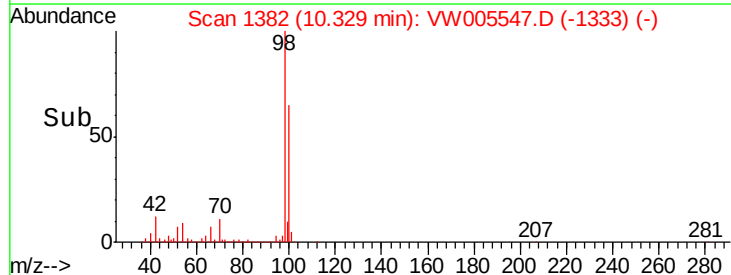
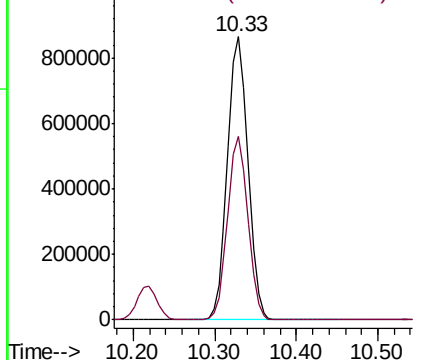
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.6	77.4

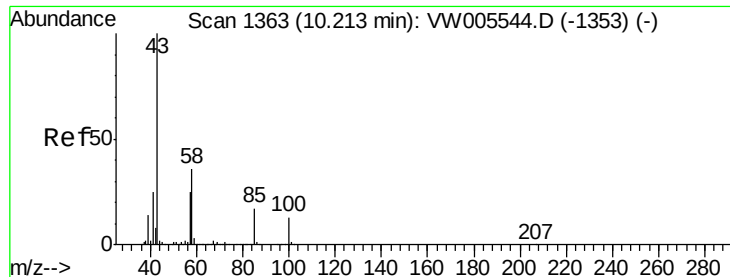


Abundance

Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





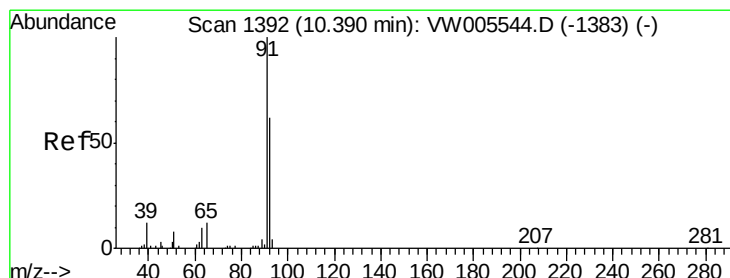
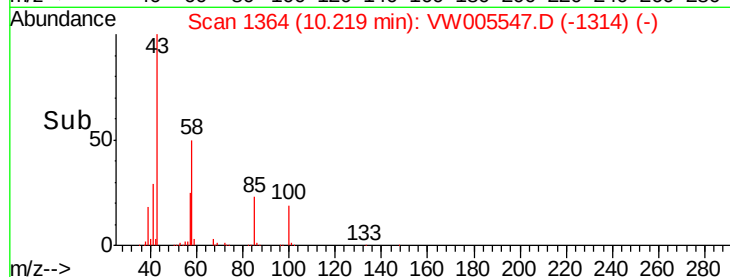
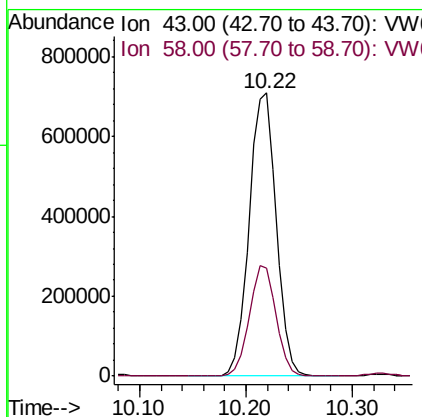
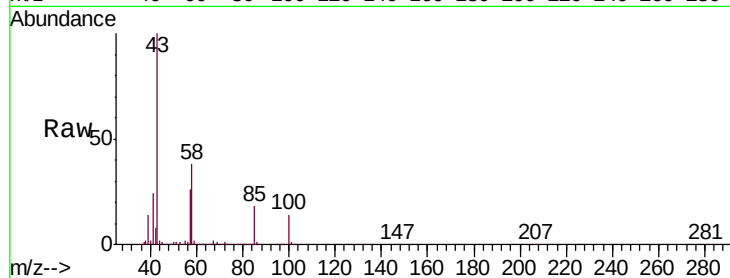
#51
 4-Methyl-2-Pentanone
 Concen: 845.781 ug/l
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 43 Resp: 1263762
 Ion Ratio Lower Upper
 43 100
 58 38.4 30.0 45.0

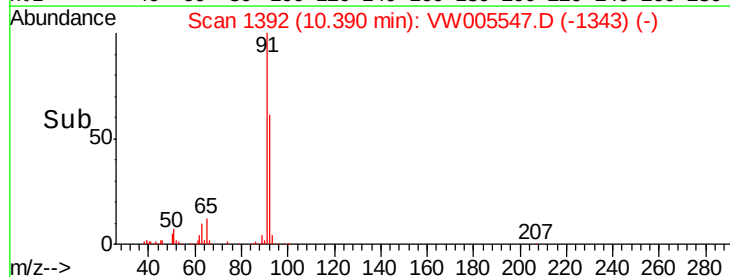
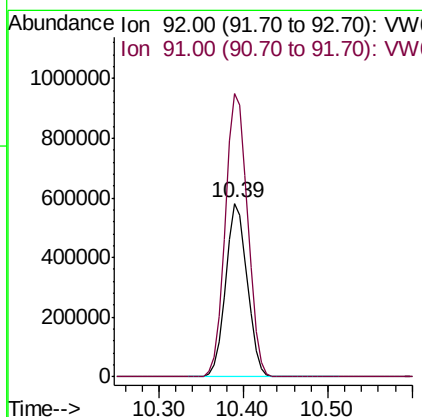
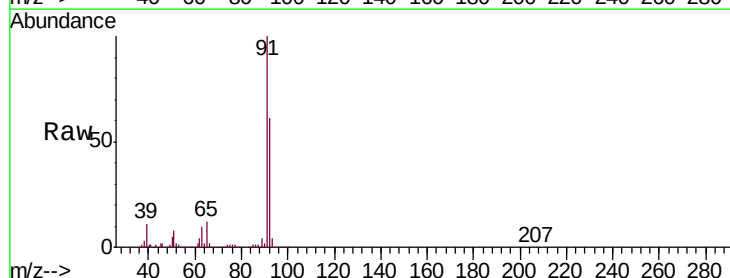
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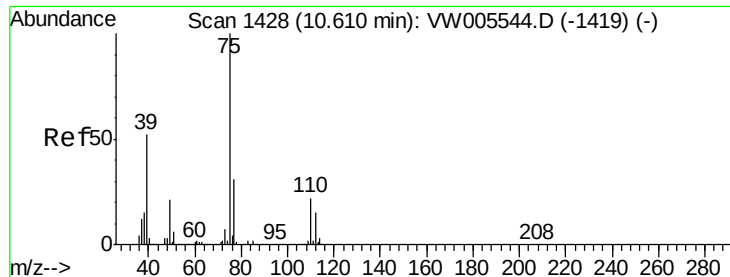
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#52
 Toluene
 Concen: 142.394 ug/l
 RT: 10.39 min Scan# 1392
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion: 92 Resp: 1005689
 Ion Ratio Lower Upper
 92 100
 91 169.7 137.1 205.7





#53

t-1,3-Dichloropropene

Concen: 166.873 ug/l

RT: 10.61 min Scan# 1428

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tgt Ion: 75 Resp: 568458

Ion Ratio Lower Upper

75 100

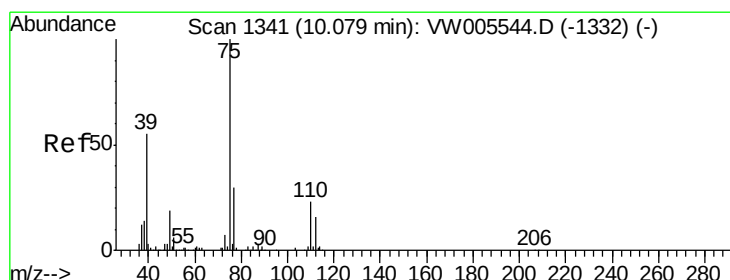
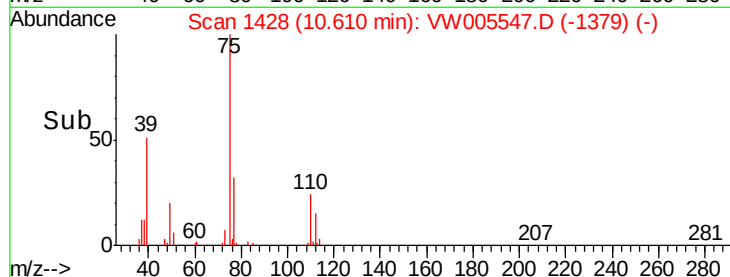
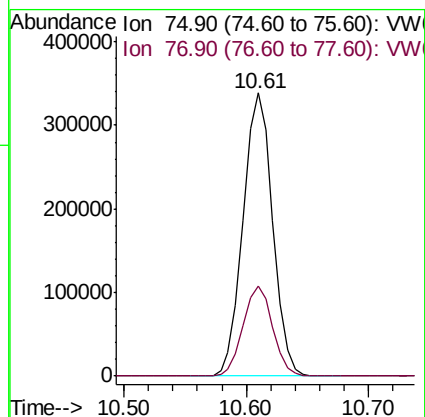
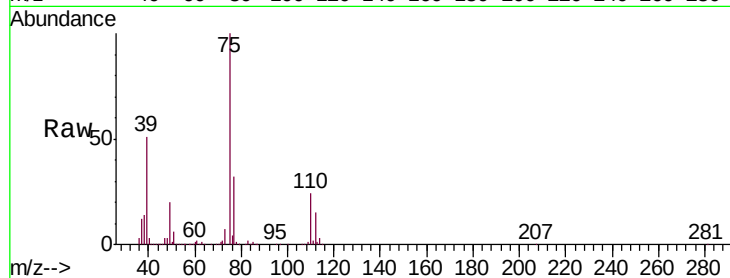
77 31.9 24.6 37.0

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#54

cis-1,3-Dichloropropene

Concen: 165.547 ug/l

RT: 10.08 min Scan# 1341

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

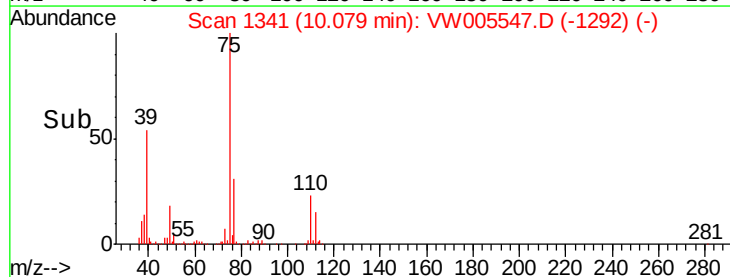
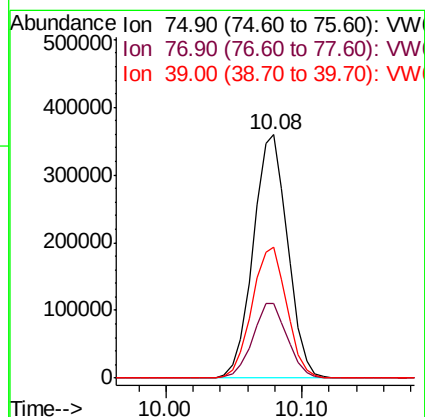
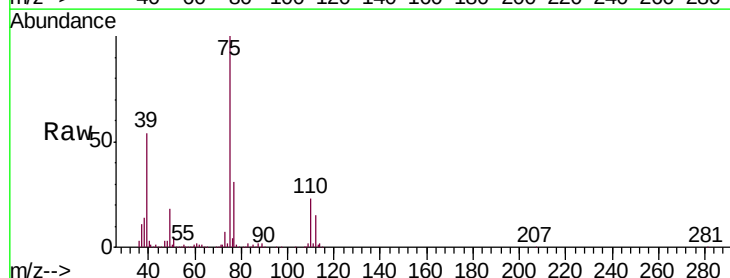
Tgt Ion: 75 Resp: 638202

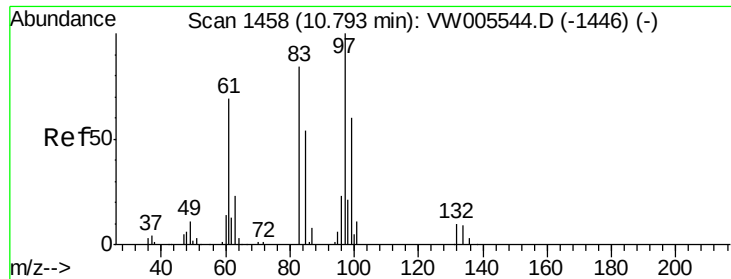
Ion Ratio Lower Upper

75 100

77 30.6 24.3 36.5

39 53.8 43.7 65.5





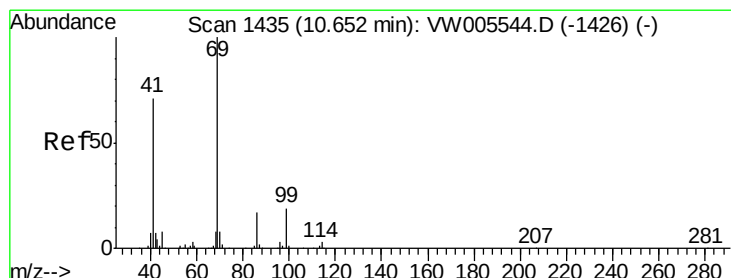
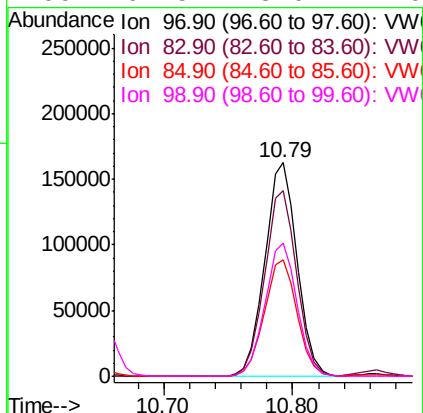
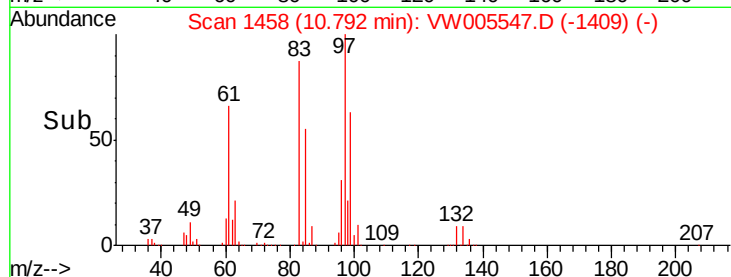
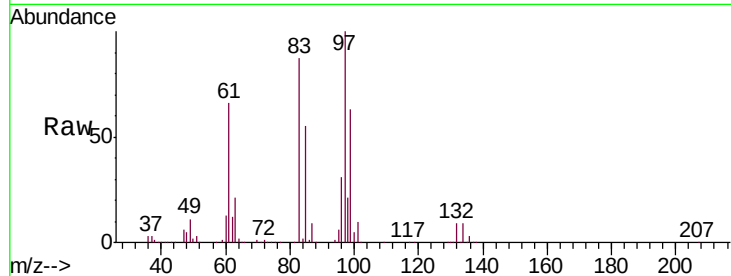
#55
 1,1,2-Trichloroethane
 Concen: 151.650 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDIC150

Tgt Ion:	97	Resp:	282044
Ion	Ratio	Lower	Upper
97	100		
83	86.7	67.4	101.2
85	54.5	43.3	64.9
99	62.5	48.0	72.0

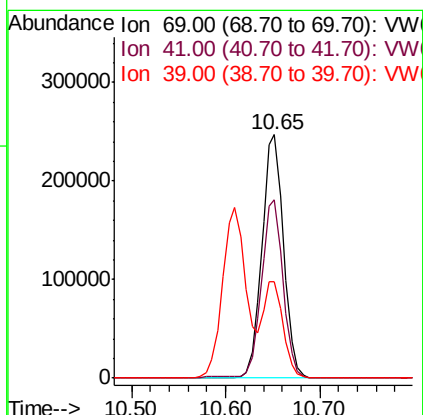
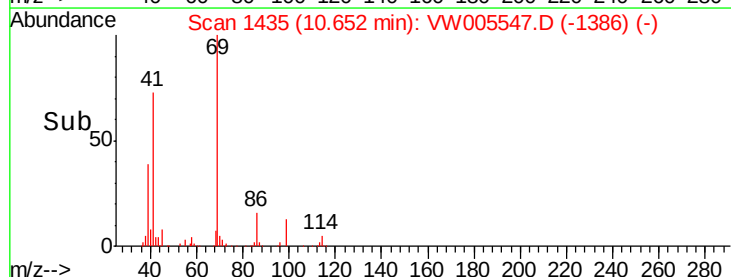
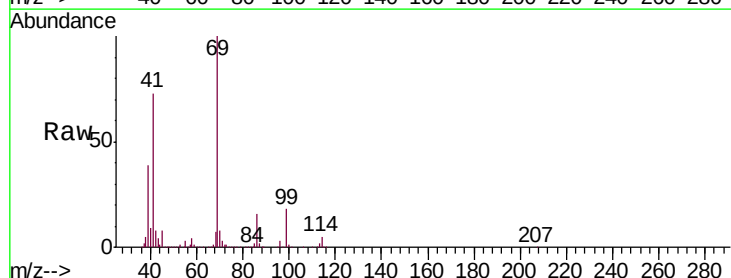
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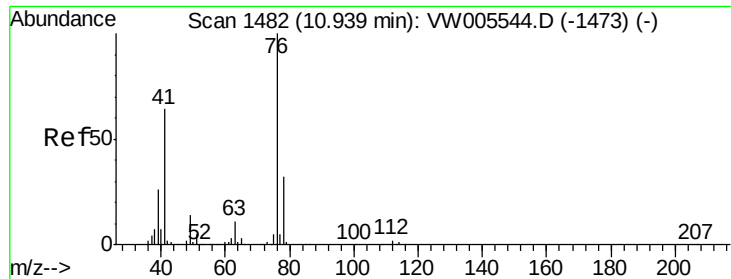
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#56
 Ethyl methacrylate
 Concen: 171.651 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion:	69	Resp:	399631
Ion	Ratio	Lower	Upper
69	100		
41	72.6	57.3	85.9
39	35.7	29.2	43.8





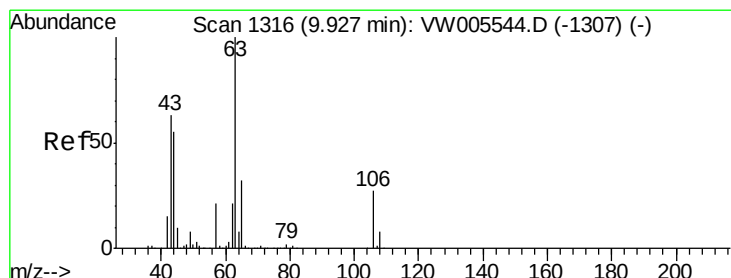
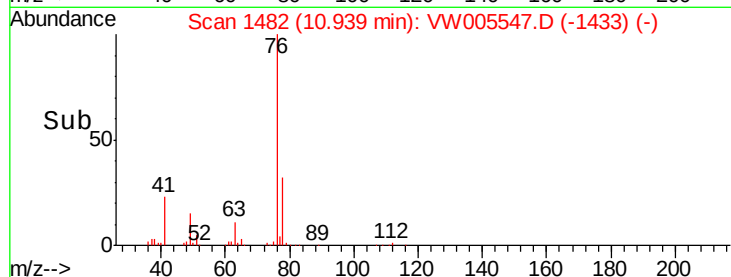
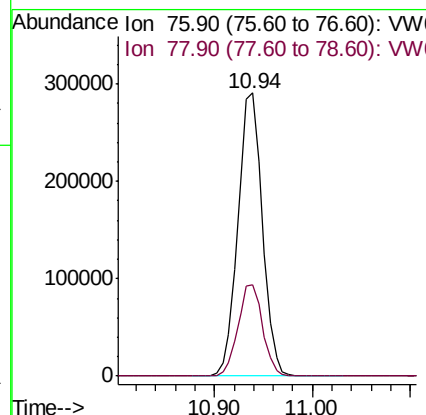
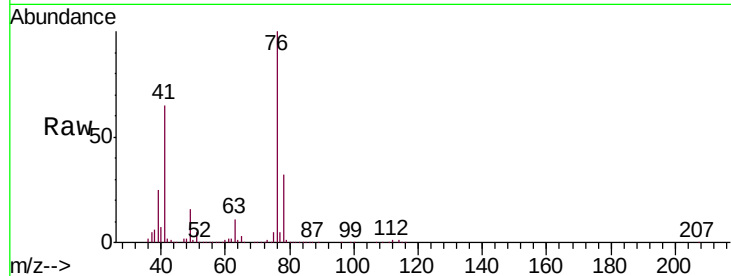
#57
 1,3-Dichloropropane
 Concen: 157.122 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 503395
 Ion Ratio Lower Upper
 76 100
 78 32.5 25.6 38.4

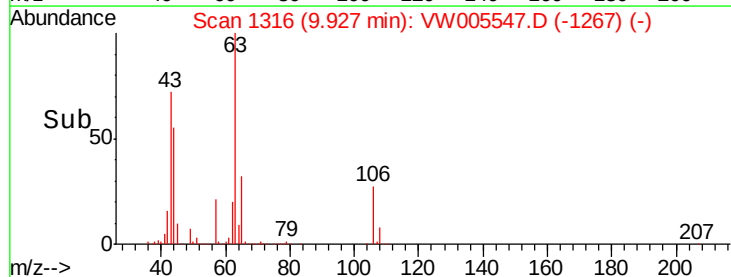
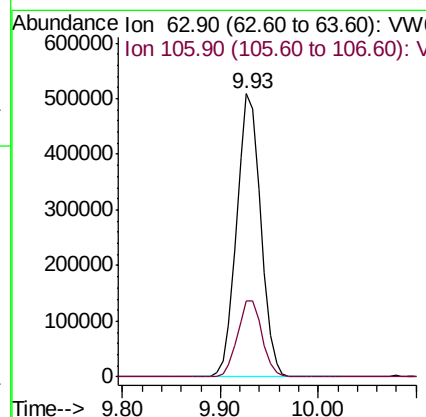
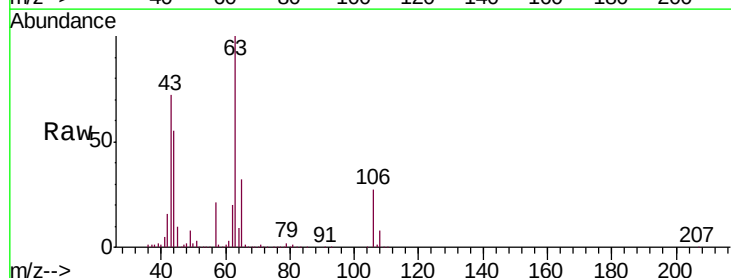
Manual Integrations
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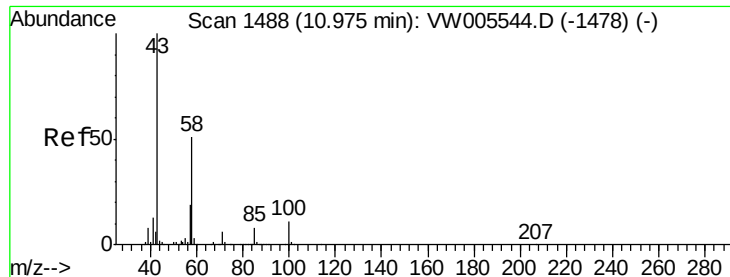
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#58
 2-Chloroethyl Vinyl ether
 Concen: 819.438 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion: 63 Resp: 867656
 Ion Ratio Lower Upper
 63 100
 106 27.4 21.6 32.4





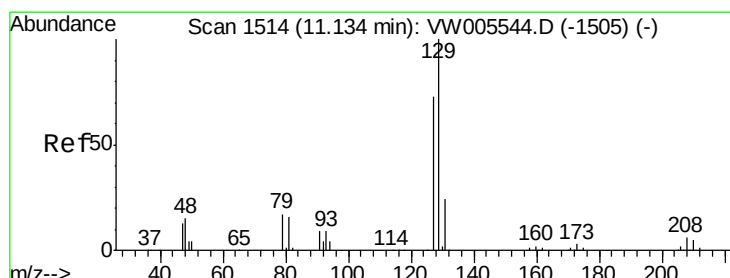
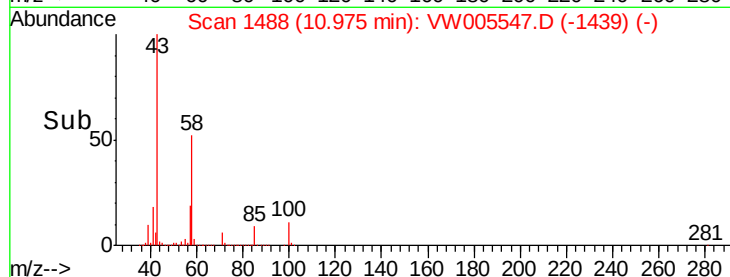
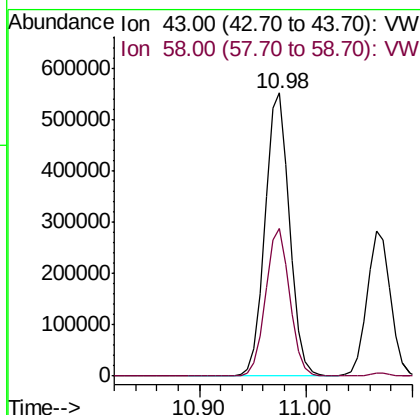
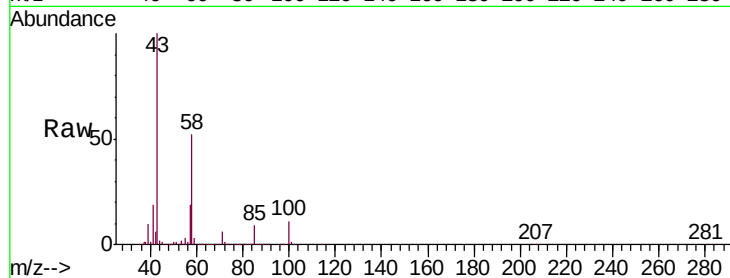
#59
2-Hexanone
Concen: 873.724 ug/l
RT: 10.98 min Scan# 1488
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 885941
Ion Ratio Lower Upper
43 100
58 51.3 25.3 75.9

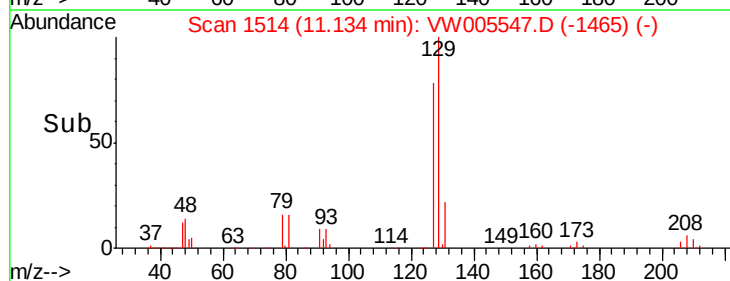
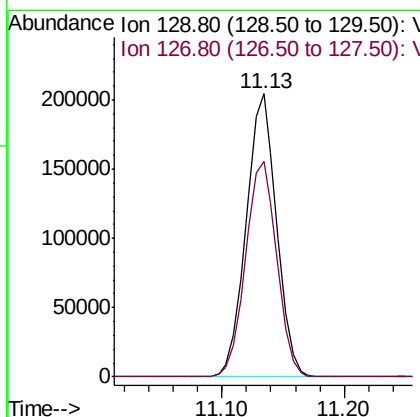
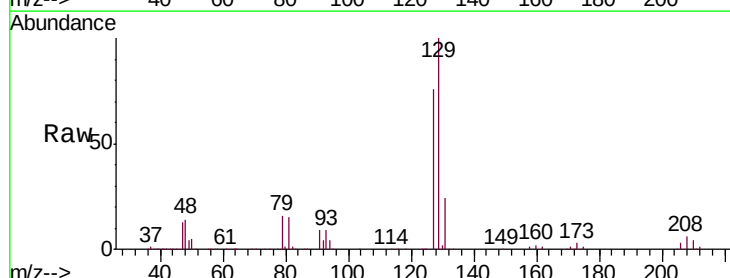
Manual Integrations
APPROVED

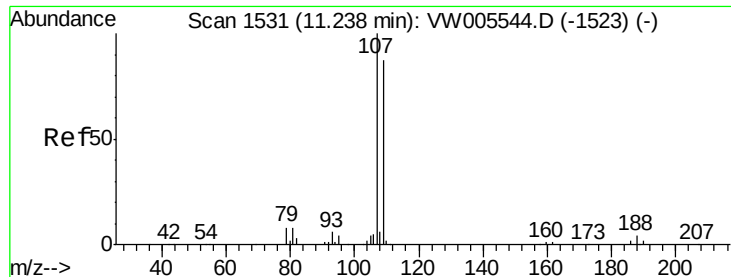
apatel
10/2/2018 12:28:33 PM



#60
Dibromochloromethane
Concen: 157.820 ug/l
RT: 11.13 min Scan# 1514
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 129 Resp: 352633
Ion Ratio Lower Upper
129 100
127 78.2 38.5 115.5





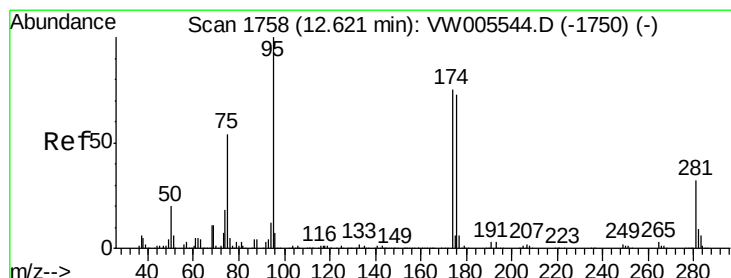
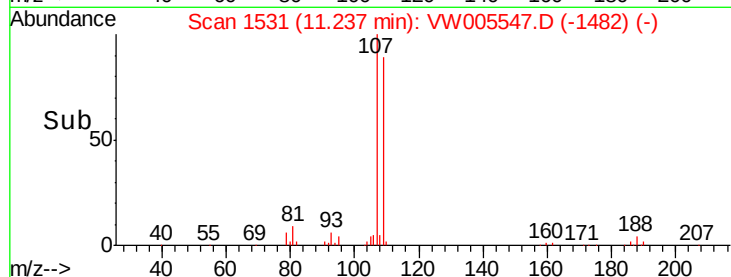
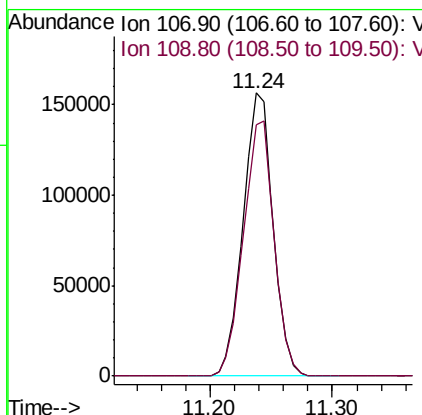
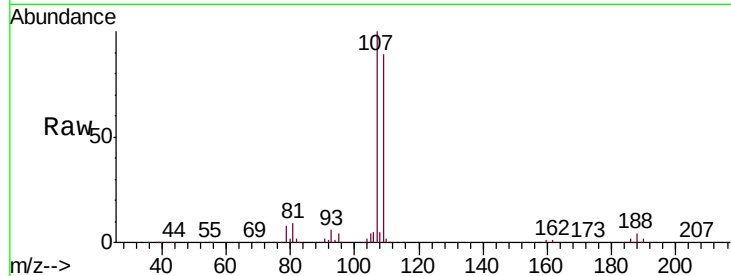
#61
 1,2-Dibromoethane
 Concen: 159.640 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion: 107 Resp: 267184
 Ion Ratio Lower Upper
 107 100
 109 92.3 73.4 110.0

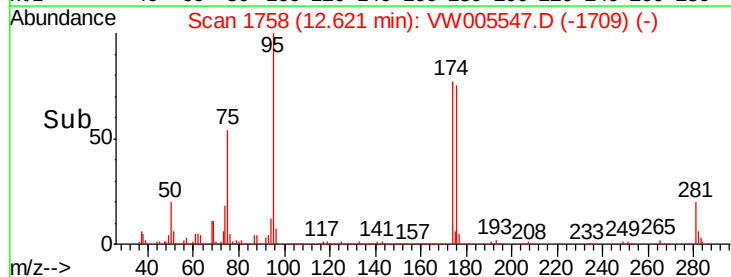
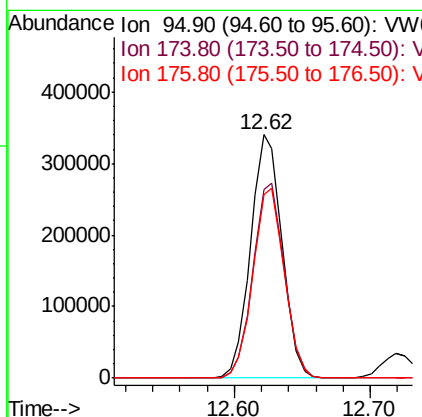
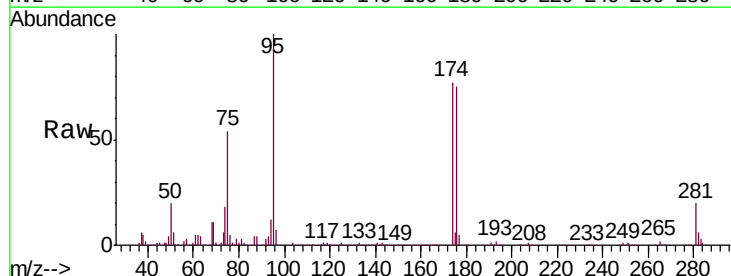
Manual Integrations
 APPROVED

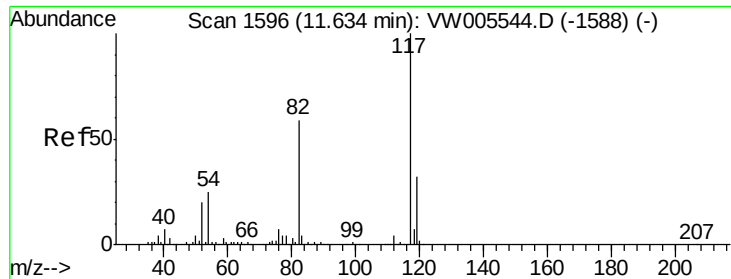
apatel
 10/2/2018 12:28:33 PM



#62
 4-Bromofluorobenzene
 Concen: 152.917 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion: 95 Resp: 551856
 Ion Ratio Lower Upper
 95 100
 174 80.0 0.0 163.8
 176 78.2 0.0 158.0





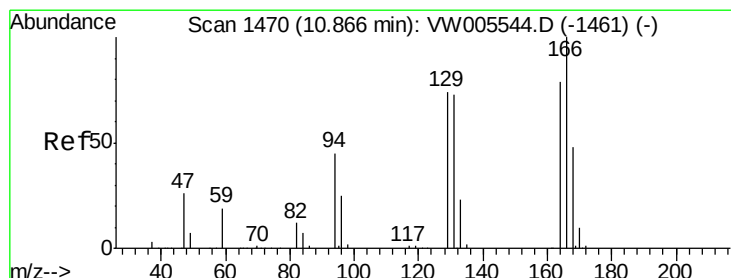
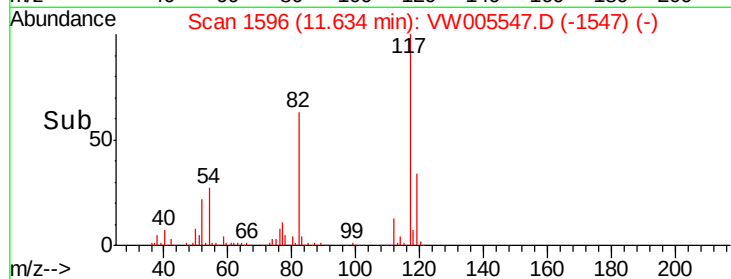
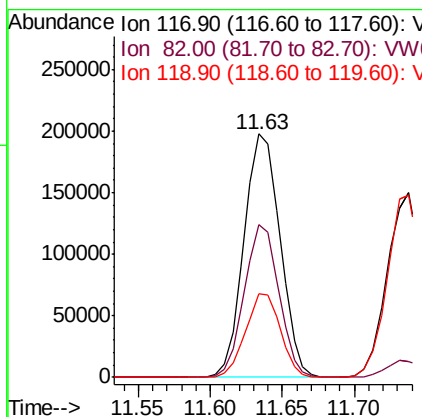
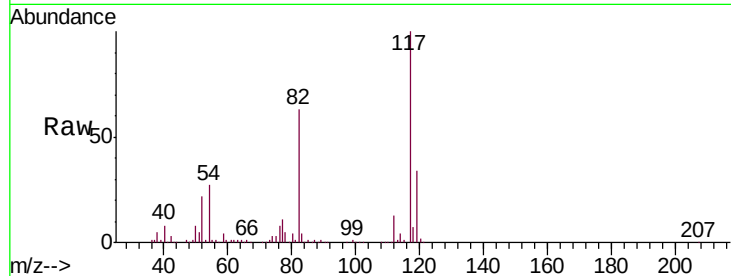
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	342754		
82	62.7	46.9	70.3	
119	34.2	25.7	38.5	

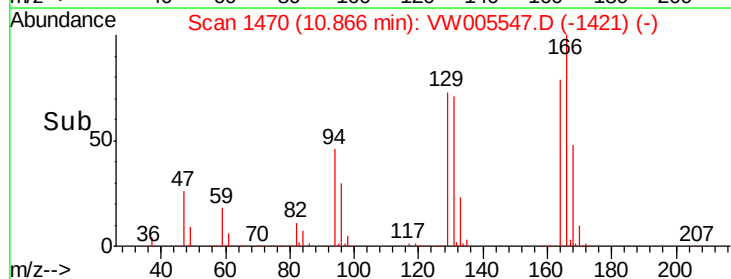
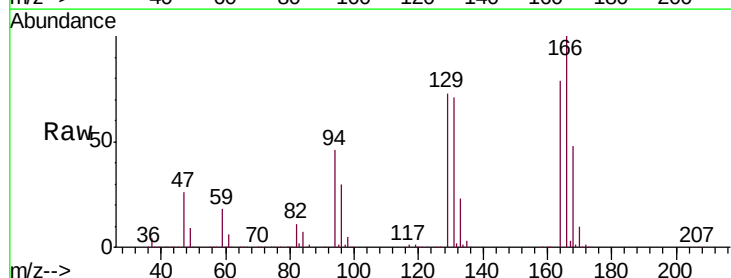
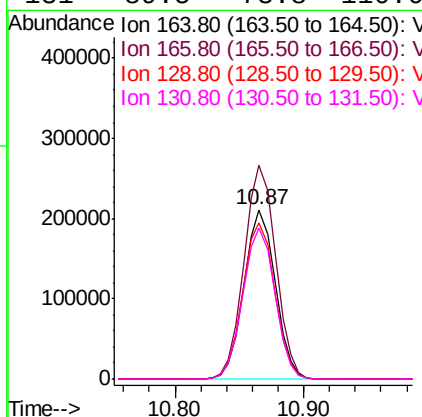
Manual Integrations
APPROVED

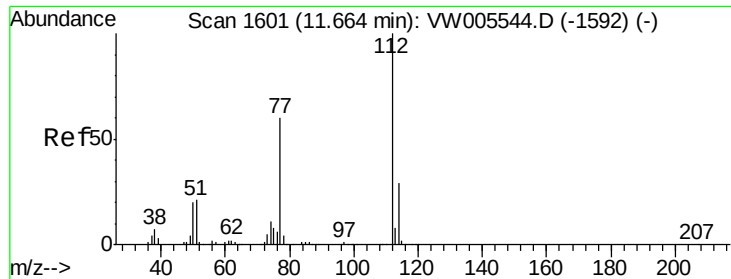
apatel
10/2/2018 12:28:33 PM



#64
Tetrachloroethene
Concen: 140.271 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	353281		
166	126.2	101.1	151.7	
129	92.7	74.4	111.6	
131	89.5	73.8	110.6	





#65

Chlorobenzene

Concen: 146.166 ug/l

RT: 11.66 min Scan# 1601

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:112 Resp: 1068550

Ion Ratio Lower Upper

112 100

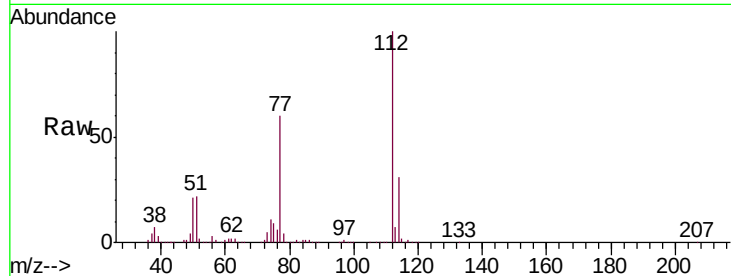
114 31.1 22.9 34.3

Manual Integrations

APPROVED

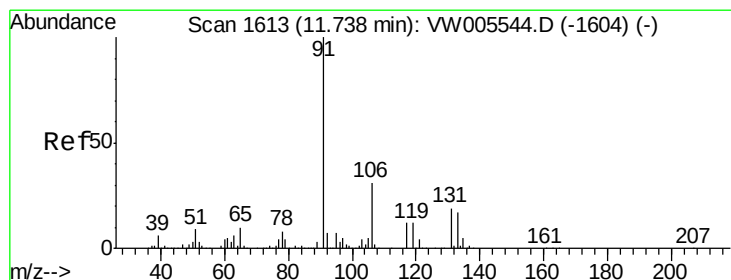
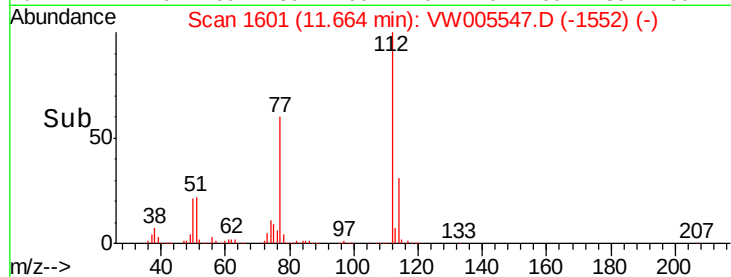
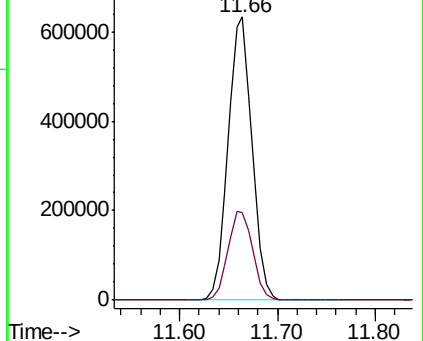
apatel

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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 166.037 ug/l

RT: 11.74 min Scan# 1613

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

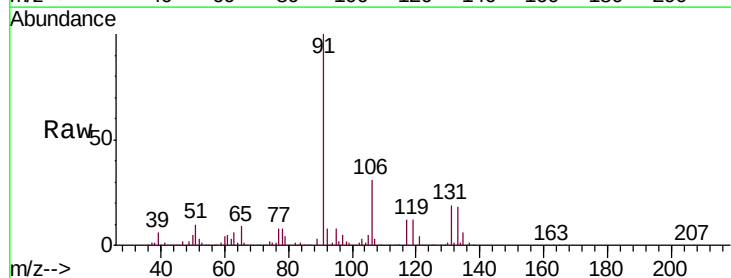
Tgt Ion:131 Resp: 396699

Ion Ratio Lower Upper

131 100

133 95.7 47.2 141.6

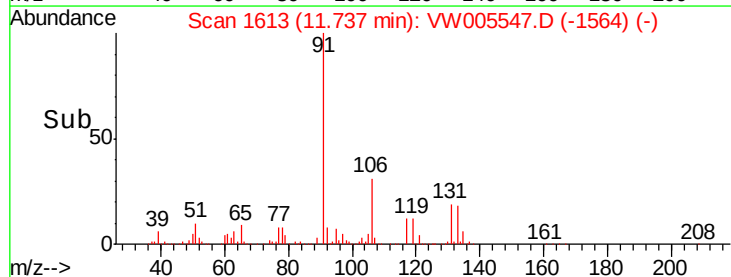
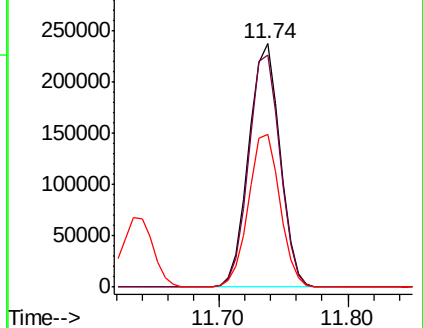
119 62.9 31.1 93.2

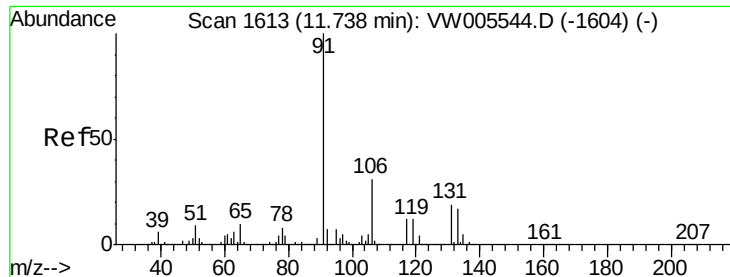


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





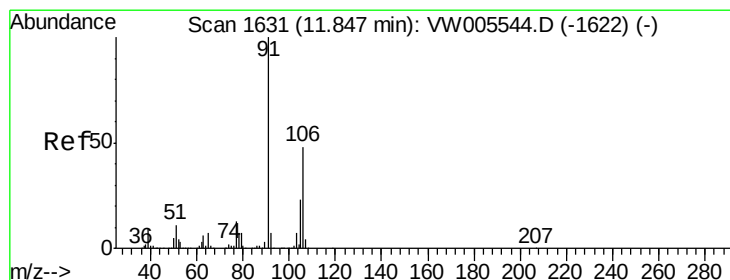
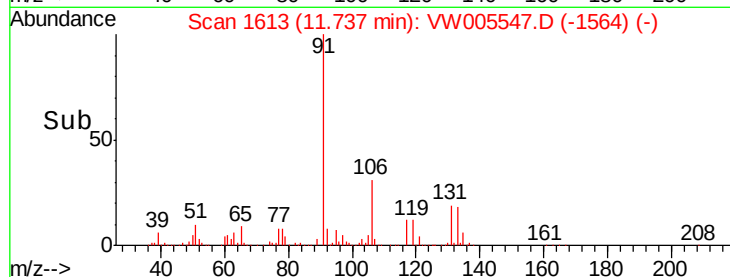
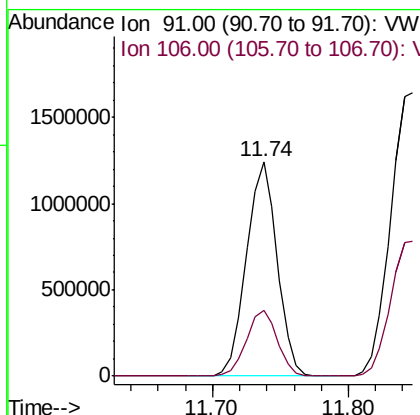
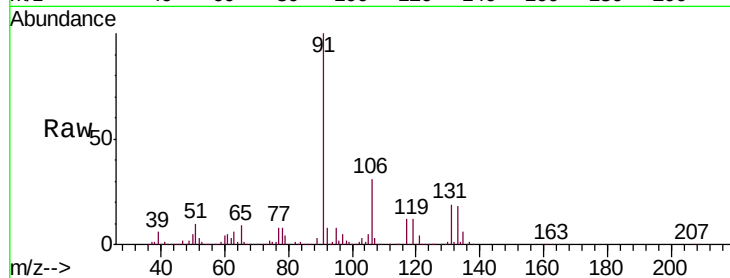
#67
Ethyl Benzene
Concen: 152.768 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1964529
Ion Ratio Lower Upper
91 100
106 30.9 24.4 36.6

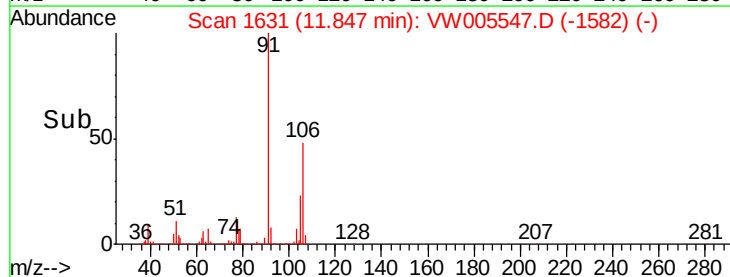
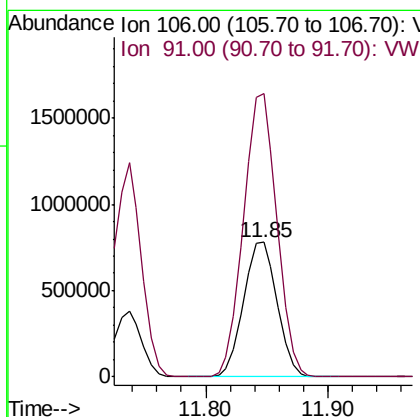
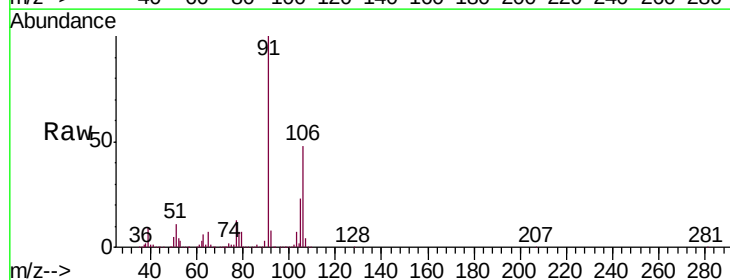
Manual Integrations
APPROVED

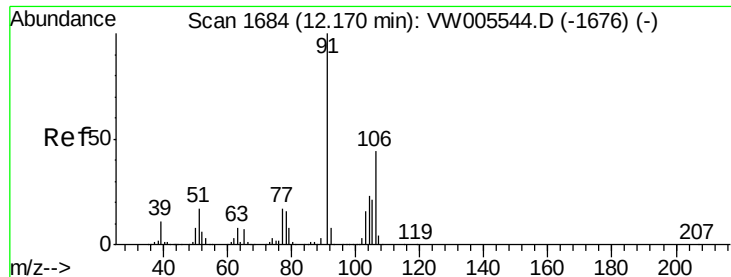
apatel
10/2/2018 12:28:33 PM



#68
m/p-Xylenes
Concen: 301.725 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 106 Resp: 1489934
Ion Ratio Lower Upper
106 100
91 209.1 167.8 251.8





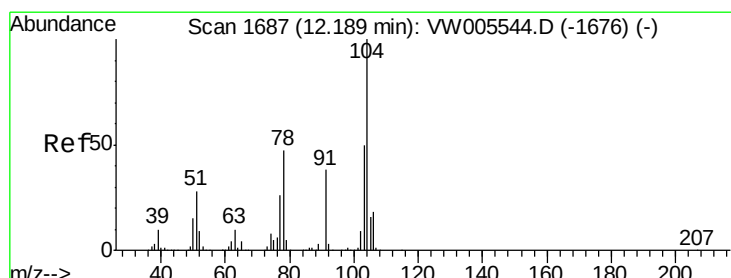
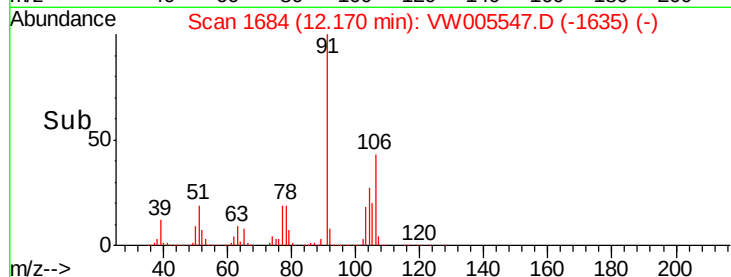
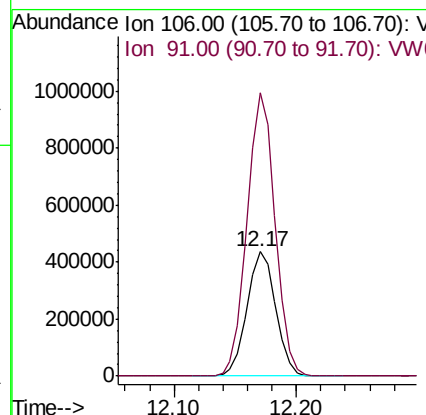
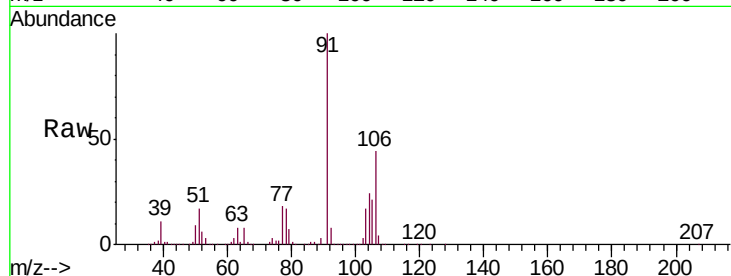
#69
o-Xylene
Concen: 154.513 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampled :
VSTDIC150

Tgt Ion:106 Resp: 710293
Ion Ratio Lower Upper
106 100
91 222.6 111.0 333.0

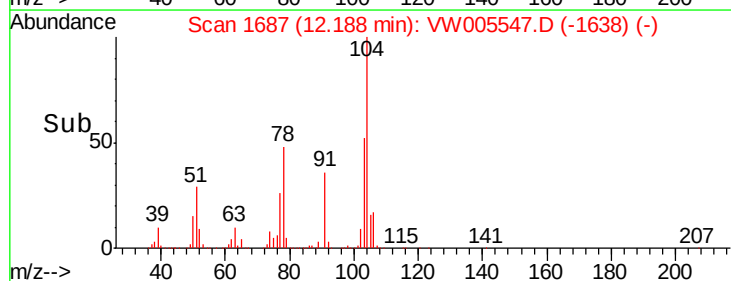
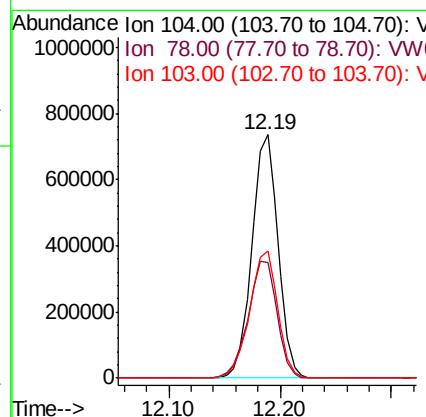
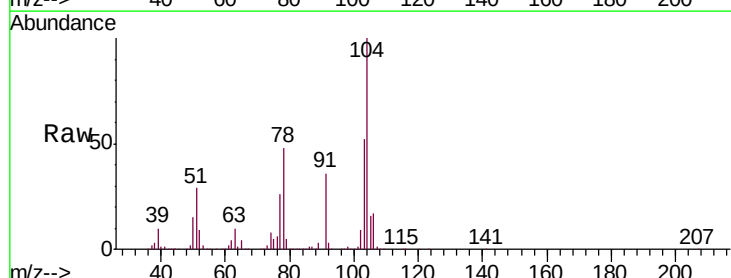
Manual Integrations
APPROVED

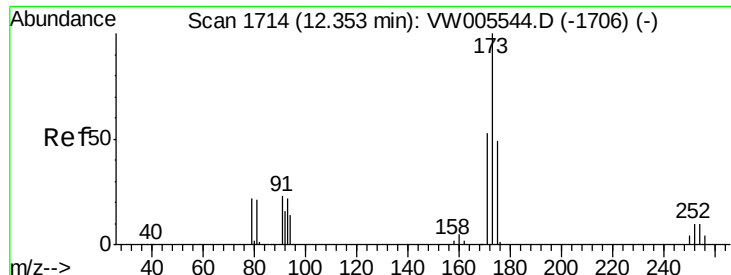
apatel
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#70
Styrene
Concen: 157.481 ug/l
RT: 12.19 min Scan# 1687
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion:104 Resp: 1199492
Ion Ratio Lower Upper
104 100
78 53.5 42.2 63.4
103 56.1 44.6 66.8





#71

Bromoform

Concen: 173.216 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion:173 Resp: 218629

Ion Ratio Lower Upper

173 100

175 48.3 24.3 72.9

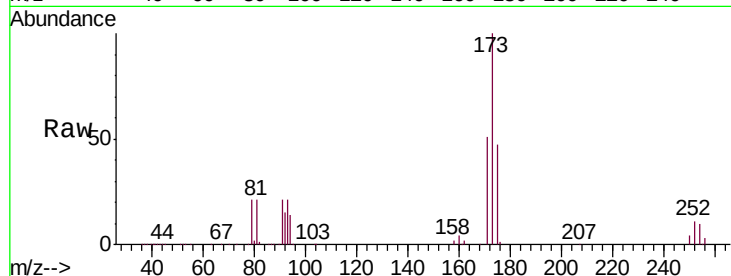
254 0.2 0.1 0.1#

Manual Integrations

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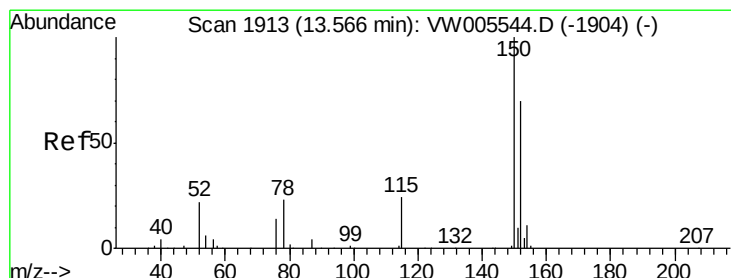
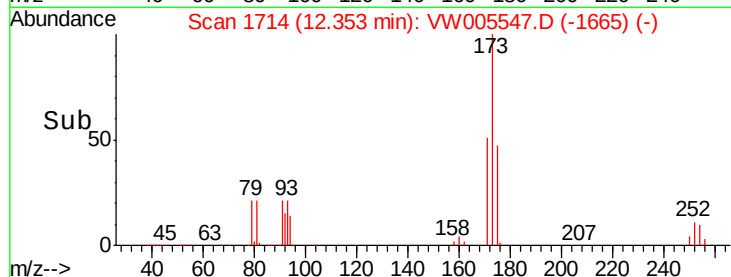
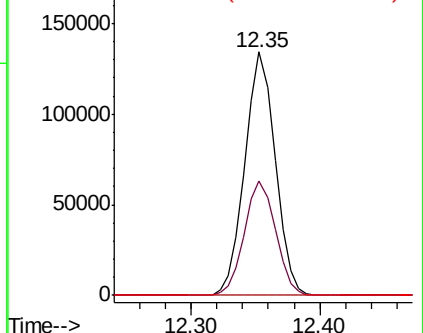
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

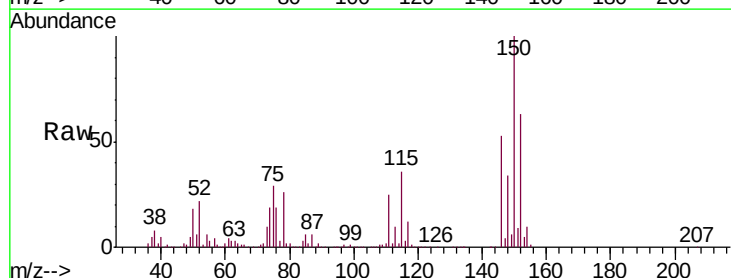
Tgt Ion:152 Resp: 183951

Ion Ratio Lower Upper

152 100

115 59.1 30.0 90.0

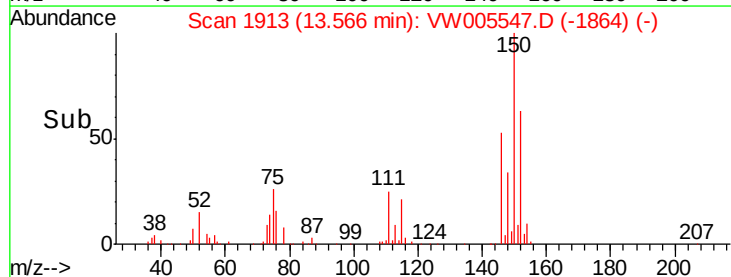
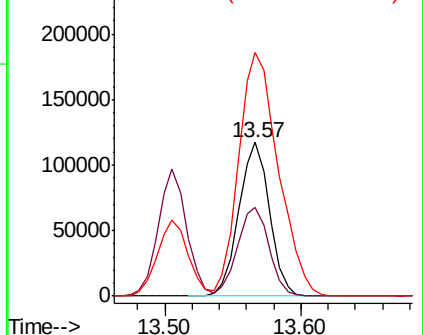
150 204.3 0.0 348.6

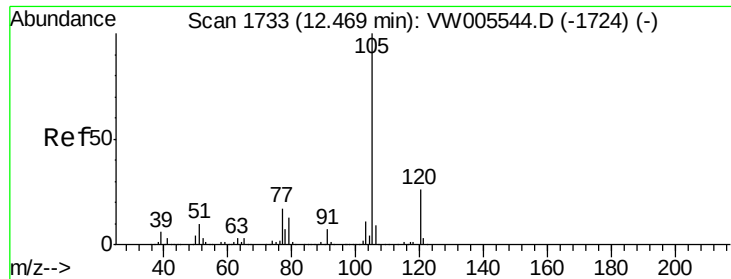


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





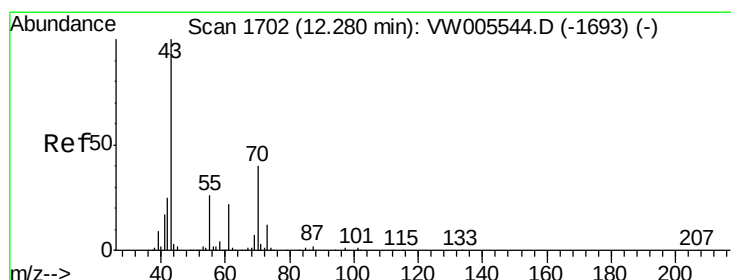
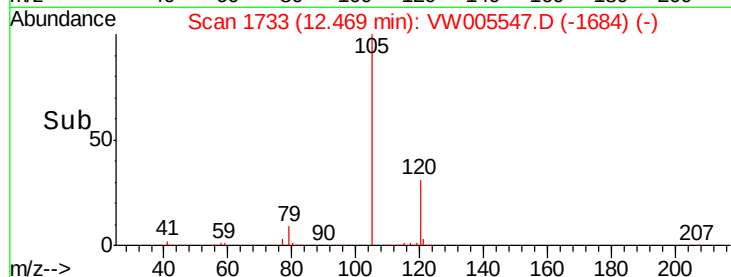
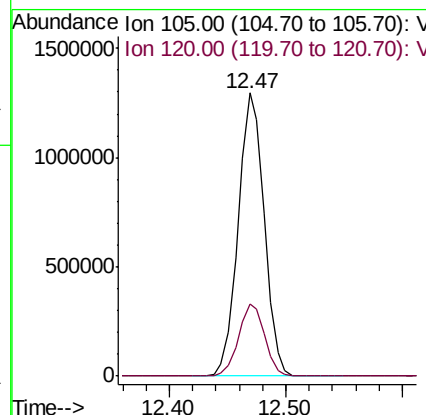
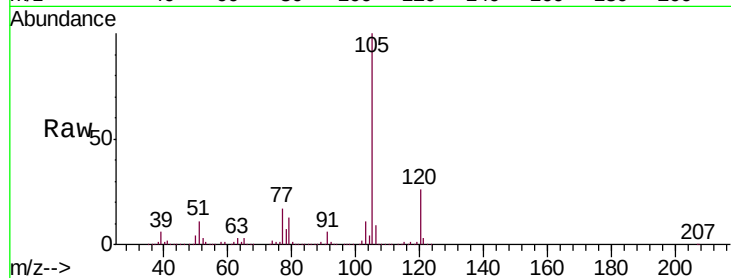
#73
Isopropylbenzene
Concen: 155.095 ug/l
RT: 12.47 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion: 105 Resp: 2009967
Ion Ratio Lower Upper
105 100
120 25.7 12.9 38.7

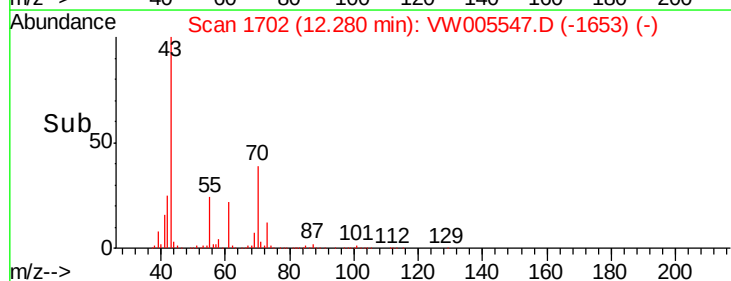
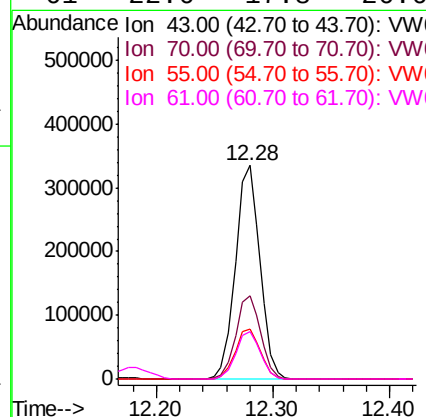
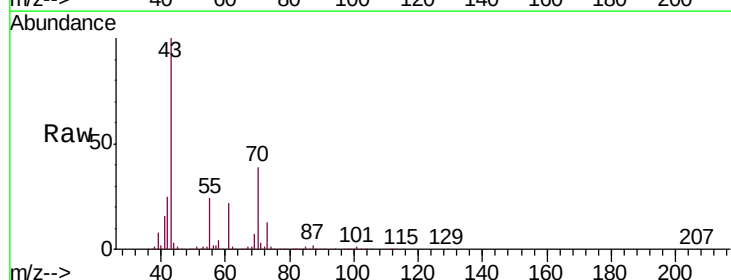
Manual Integrations
APPROVED

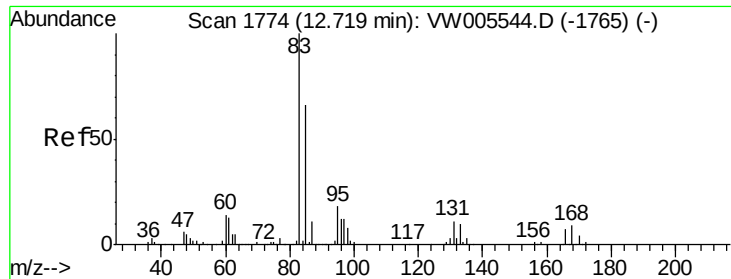
apatel
10/2/2018 12:28:33 PM



#74
N-ethyl acetate
Concen: 177.953 ug/l
RT: 12.28 min Scan# 1702
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion: 43 Resp: 489004
Ion Ratio Lower Upper
43 100
70 39.6 31.4 47.0
55 24.2 20.9 31.3
61 22.6 17.8 26.6





#75

1,1,2,2-Tetrachloroethane

Concen: 167.880 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

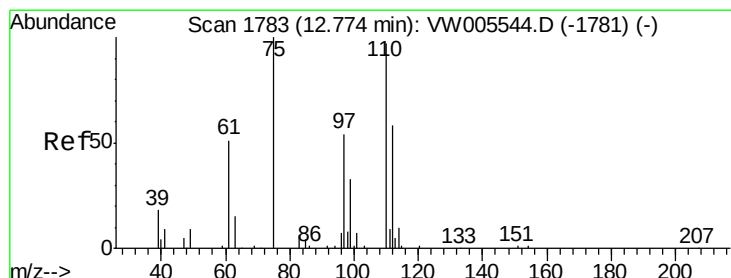
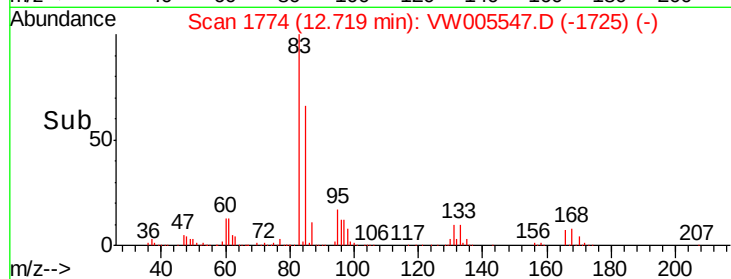
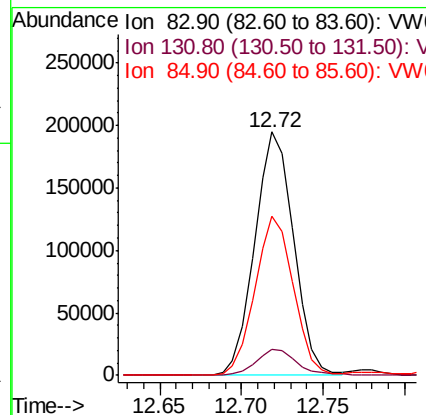
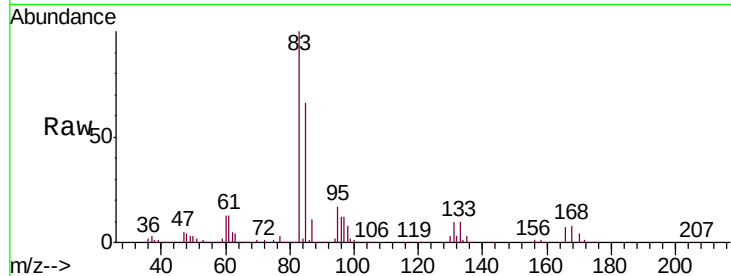
ClientSampled :

VSTDIC150

Tgt Ion:	83	Resp:	323955
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.5	16.7
85	64.6	32.4	97.0

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#76

1,2,3-Trichloropropane

Concen: 151.091 ug/l m

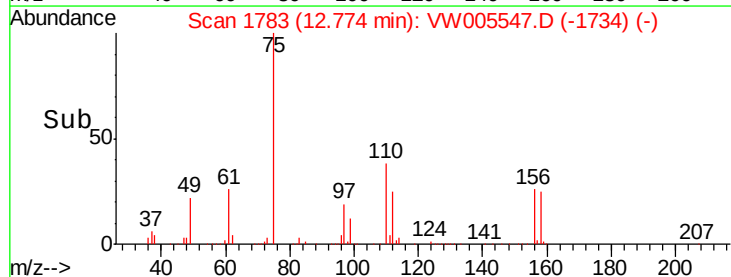
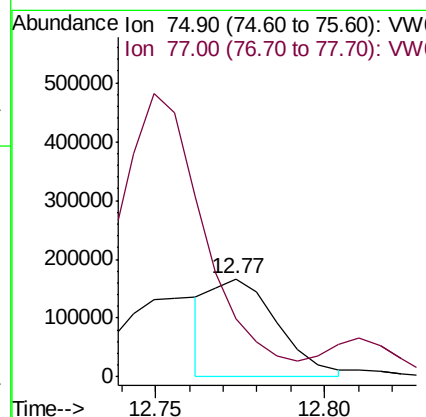
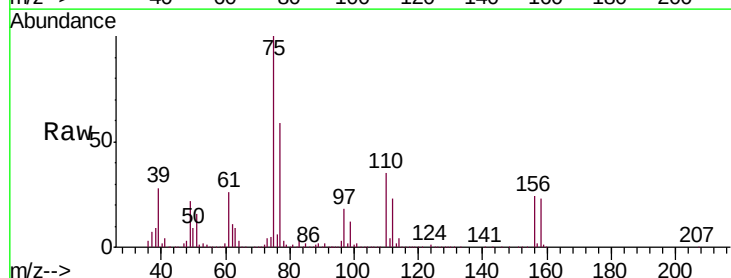
RT: 12.77 min Scan# 1783

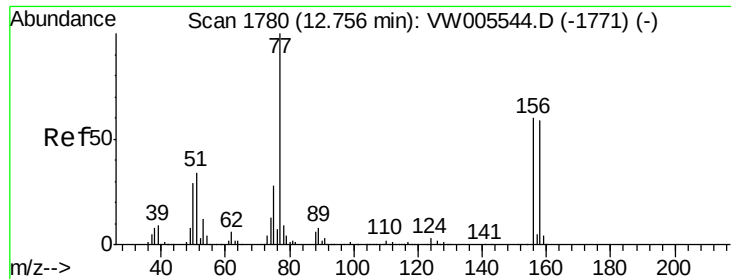
Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion:	75	Resp:	231639
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 146.556 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

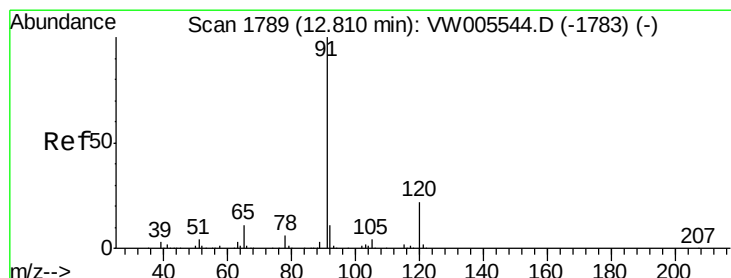
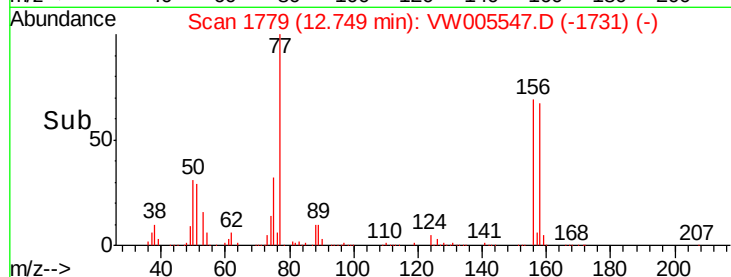
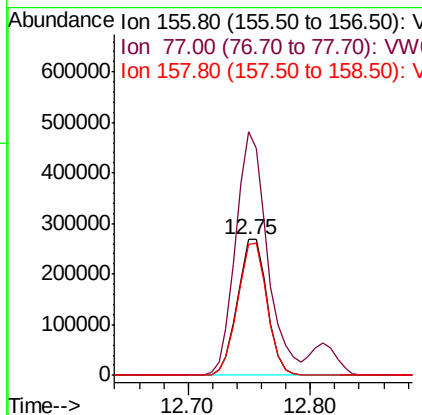
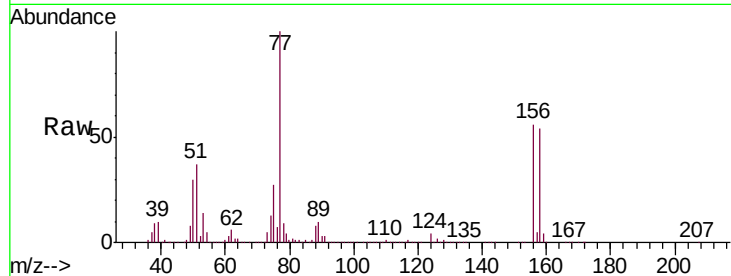
ClientSampled :

VSTDIC150

Tgt Ion	Resp	Lower	Upper
156	447614		
156	100		
77	192.7	94.7	284.1
158	97.1	48.0	144.2

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#78

n-propylbenzene

Concen: 151.121 ug/l

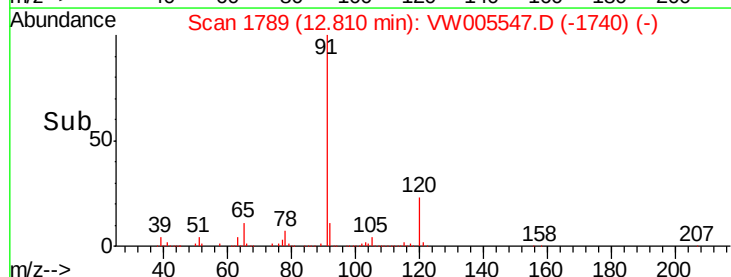
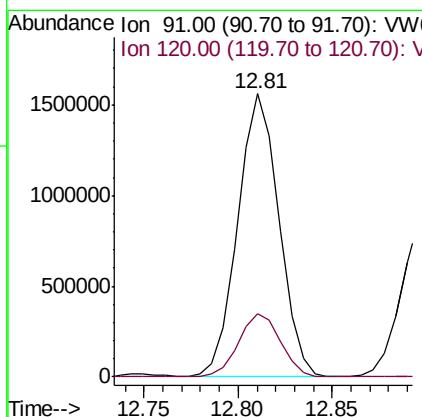
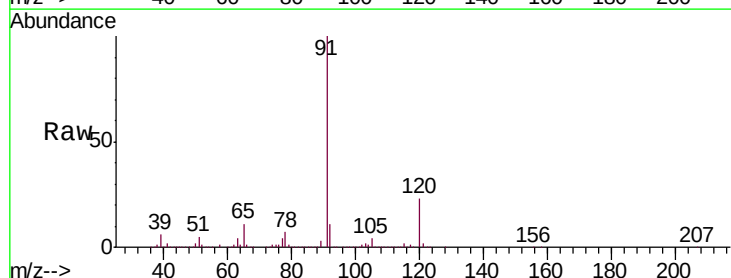
RT: 12.81 min Scan# 1789

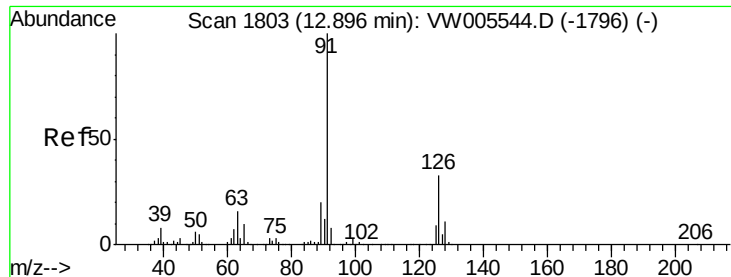
Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion	Resp	Lower	Upper
91	2362698		
91	100		
120	22.7	11.2	33.5





#79

2-Chlorotoluene

Concen: 148.744 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampled :

VSTDIC150

Tgt Ion: 91 Resp: 1366968

Ion Ratio Lower Upper

91 100

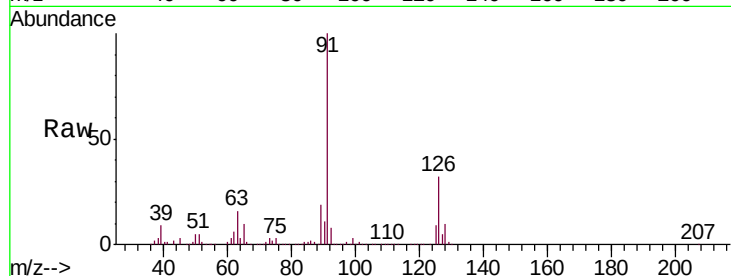
126 32.5 16.4 49.1

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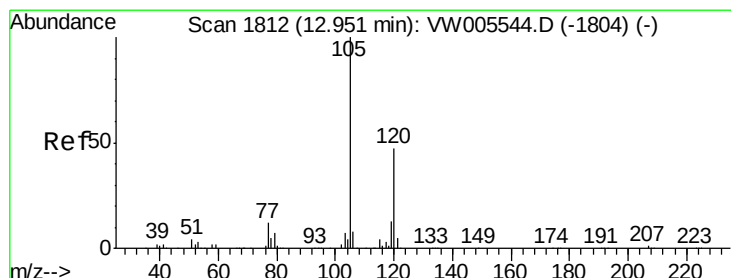
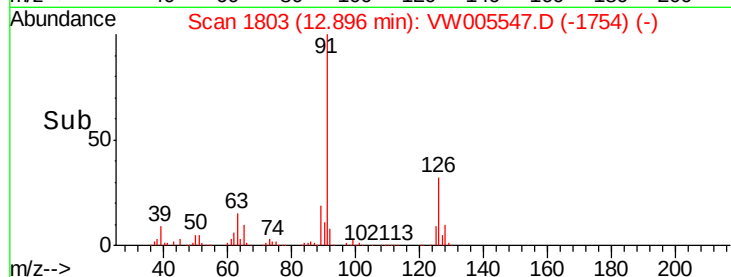
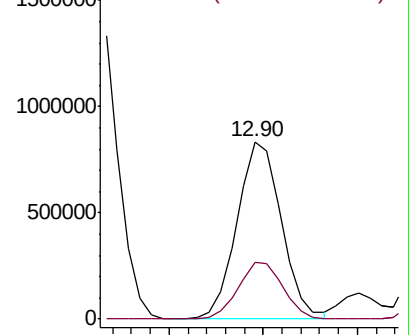
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 150.326 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. -0.00 min

Lab File: VW005547.D

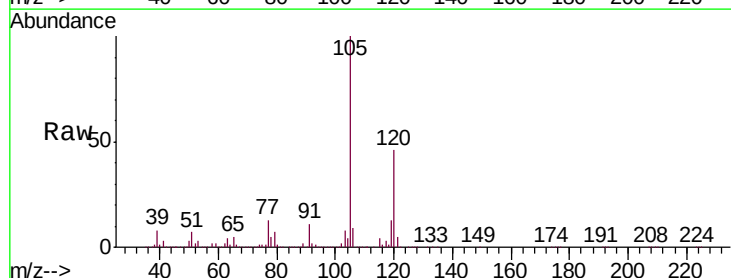
Acq: 20 Sep 2018 23:11

Tgt Ion: 105 Resp: 1694808

Ion Ratio Lower Upper

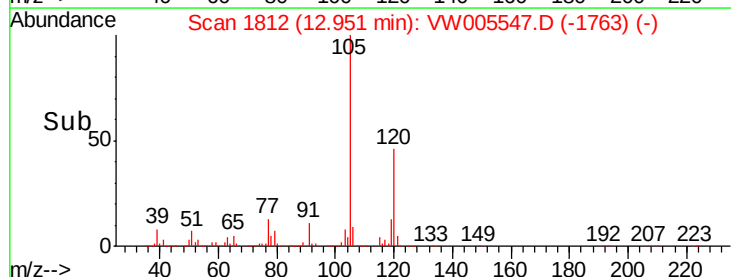
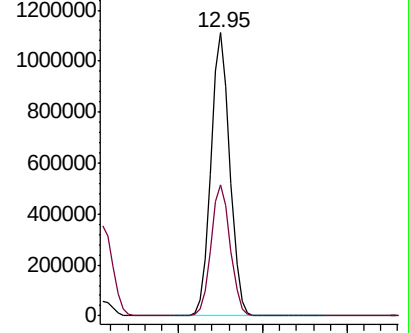
105 100

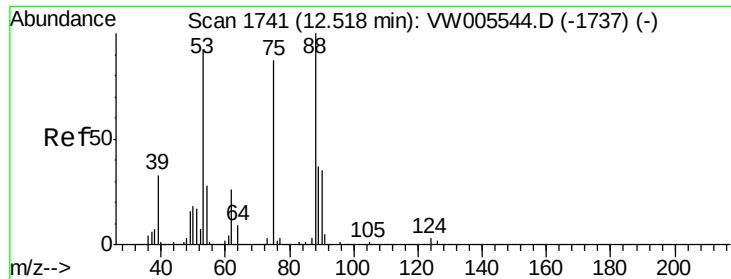
120 47.0 23.6 70.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 189.465 ug/l

RT: 12.52 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

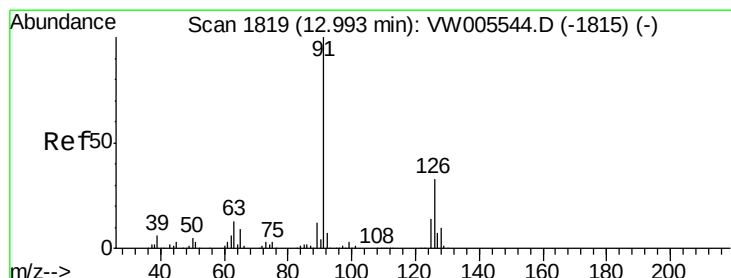
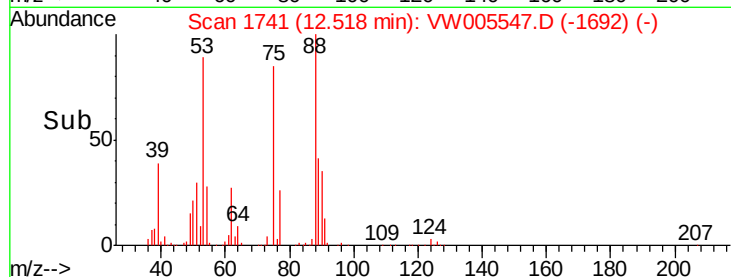
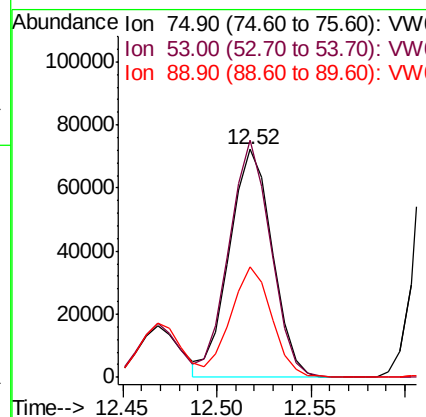
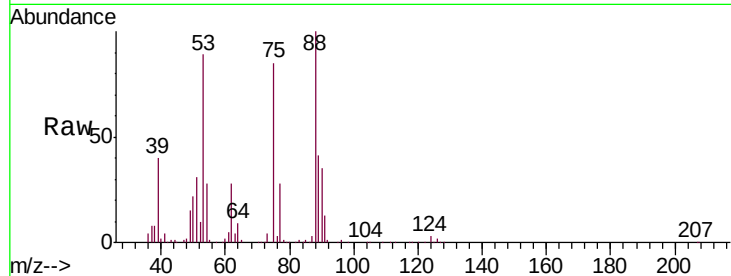
ClientSampleId :

VSTDIC150

Tgt Ion:	75	Resp:	113926
Ion	Ratio	Lower	Upper
75	100		
53	101.8	85.8	128.6
89	46.5	37.3	55.9

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#82

4-Chlorotoluene

Concen: 147.633 ug/l

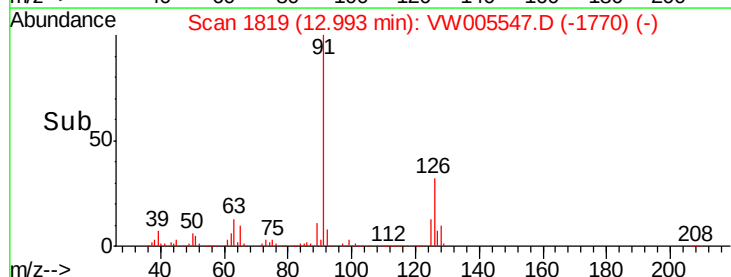
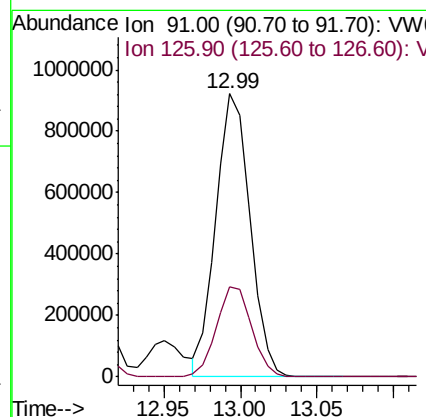
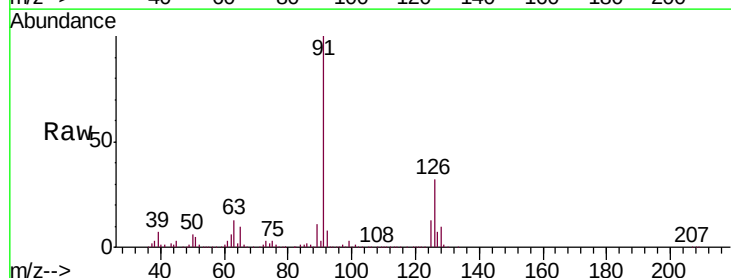
RT: 12.99 min Scan# 1819

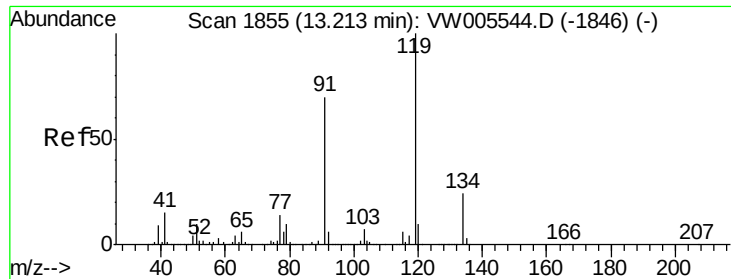
Delta R.T. -0.00 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Tgt Ion:	91	Resp:	1433378
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4





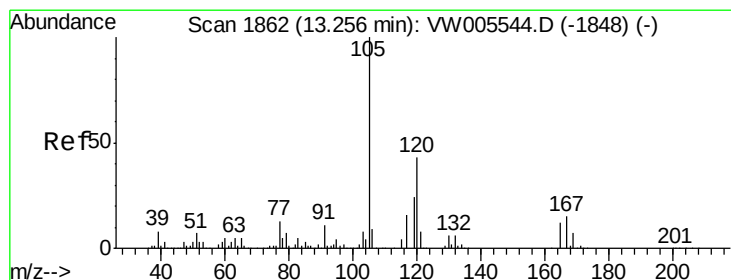
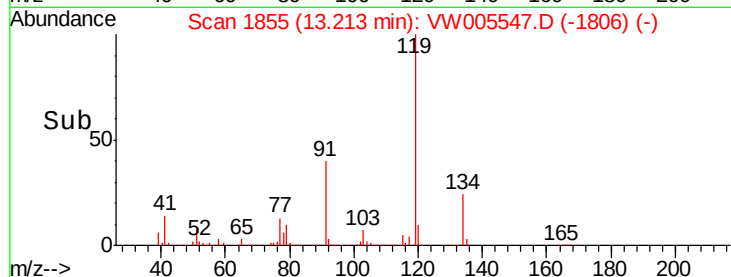
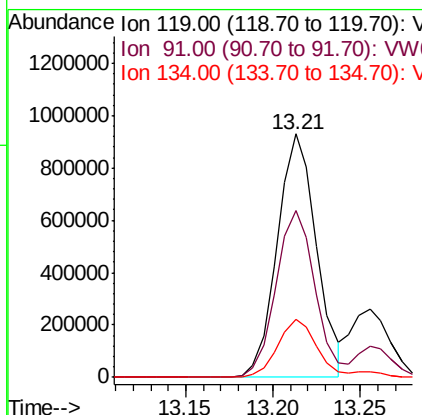
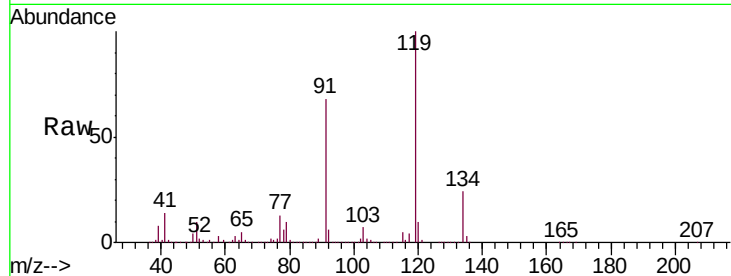
#83
 tert-Butylbenzene
 Concen: 155.388 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1457126
 Ion Ratio Lower Upper
 119 100
 91 69.0 34.6 103.8
 134 25.4 12.6 37.6

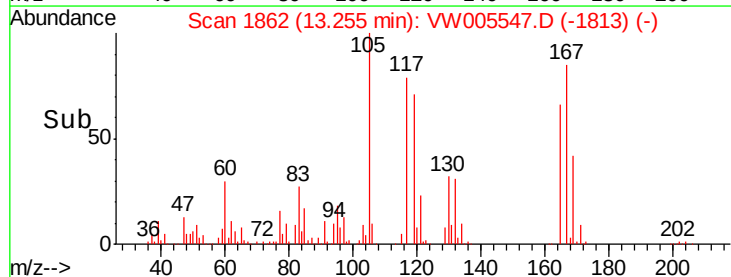
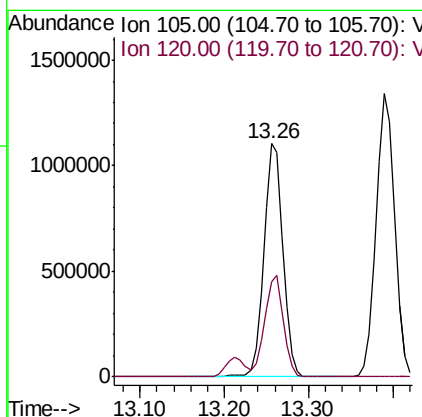
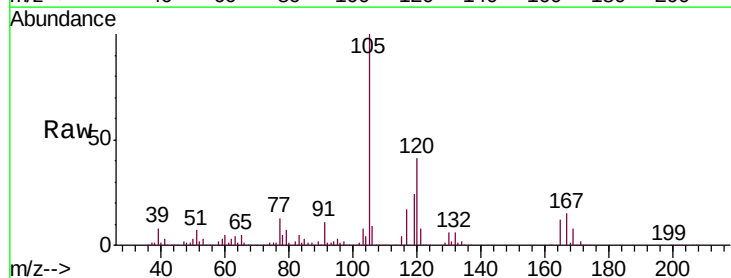
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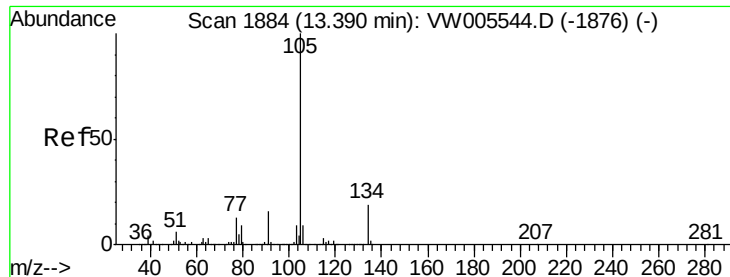
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#84
 1,2,4-Trimethylbenzene
 Concen: 150.178 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion:105 Resp: 1720588
 Ion Ratio Lower Upper
 105 100
 120 42.9 21.5 64.5





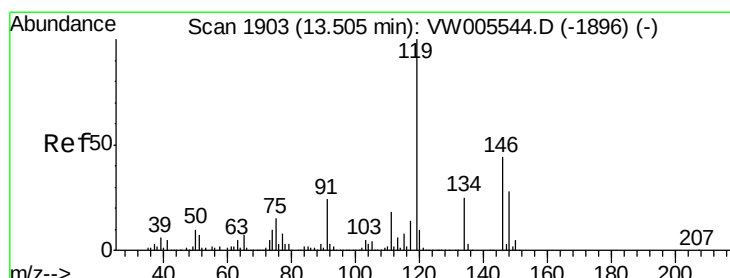
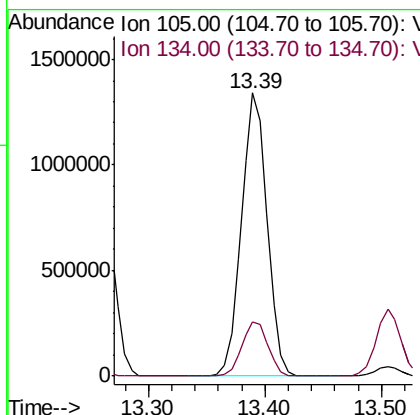
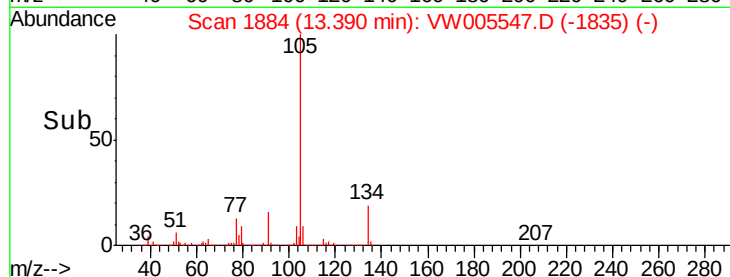
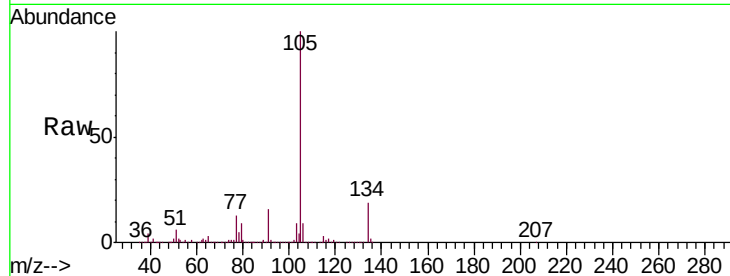
#85
 sec-Butylbenzene
 Concen: 151.673 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 2055284
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.8 29.5

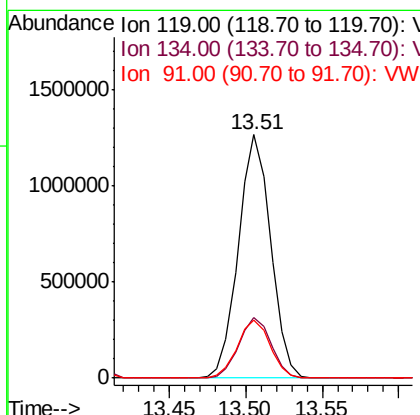
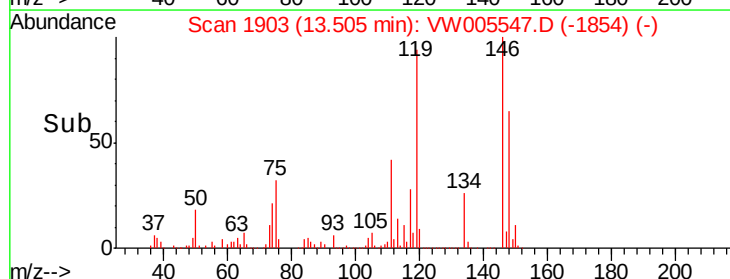
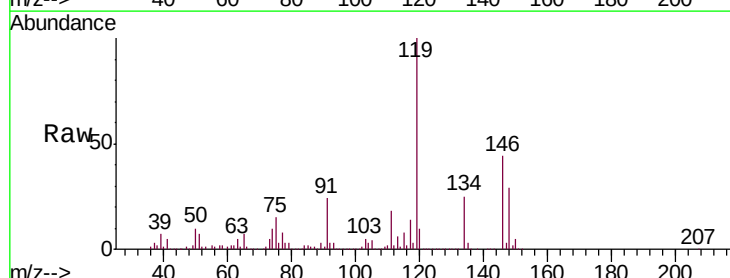
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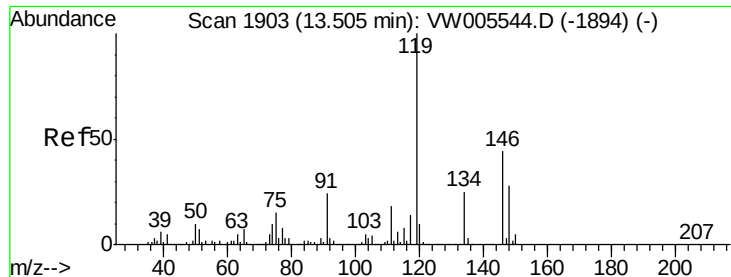
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#86
 p-Isopropyltoluene
 Concen: 152.558 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion:119 Resp: 1849795
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.7 38.1
 91 24.1 12.2 36.4





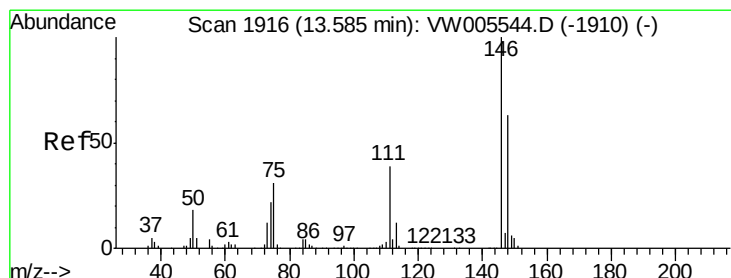
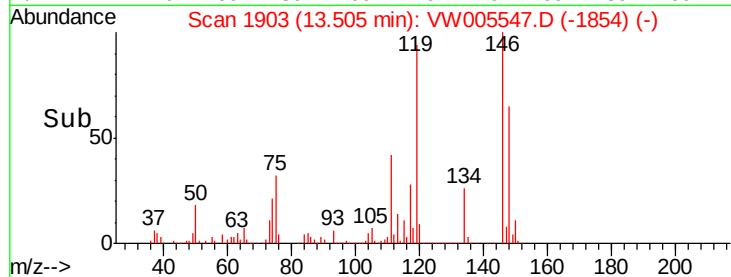
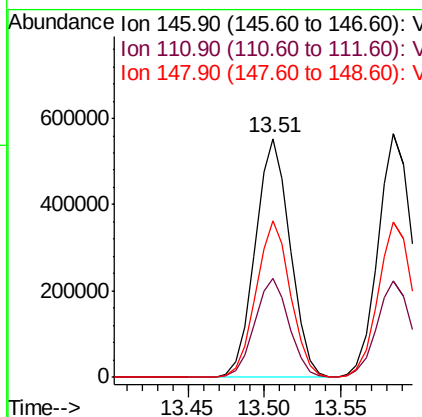
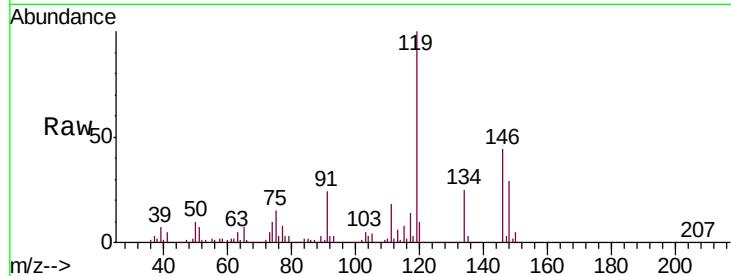
#87
 1,3-Dichlorobenzene
 Concen: 141.681 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.9
148	64.5	31.8	95.4

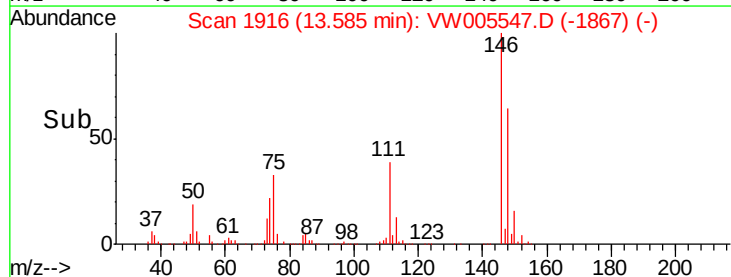
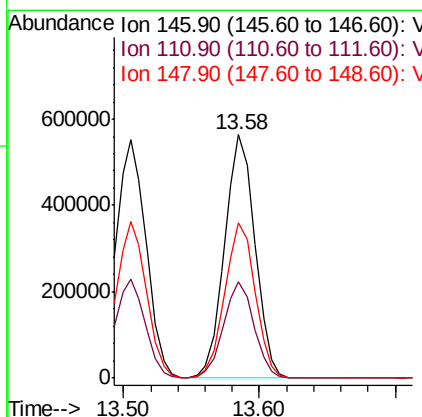
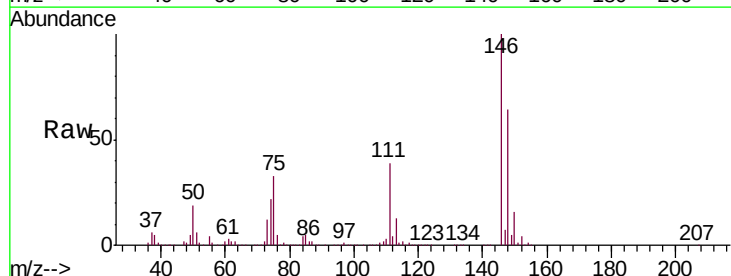
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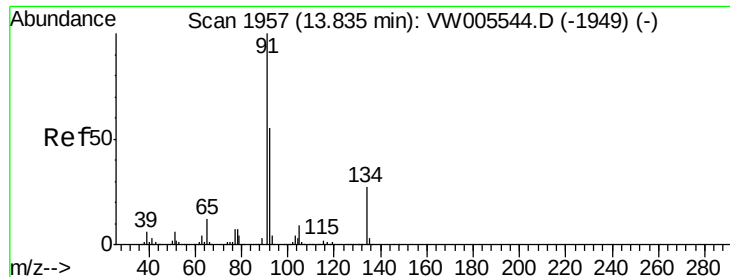
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#88
 1,4-Dichlorobenzene
 Concen: 143.434 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.9	59.7
148	64.0	32.1	96.3





#89

n-Butylbenzene

Concen: 154.486 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. -0.01 min

Lab File: VW005547.D

Acq: 20 Sep 2018 23:11

Instrument :

MSVOA_W

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1742370

Ion Ratio Lower Upper

91 100

92 52.0 26.5 79.5

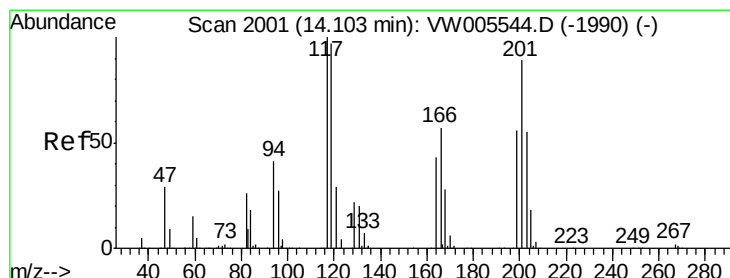
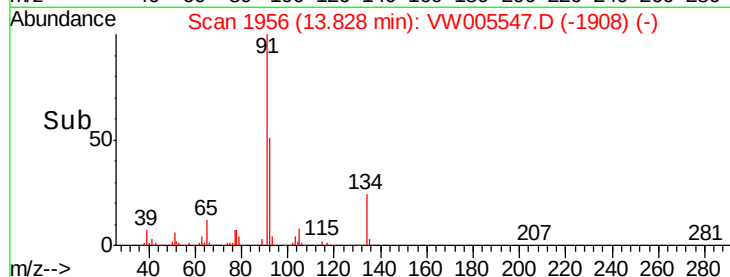
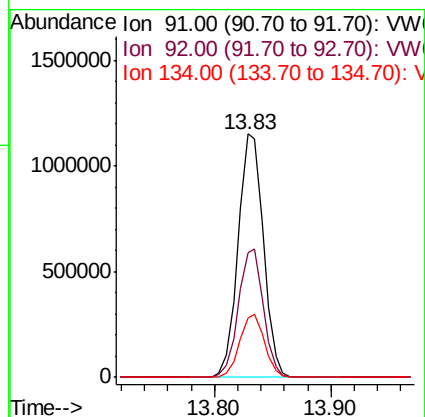
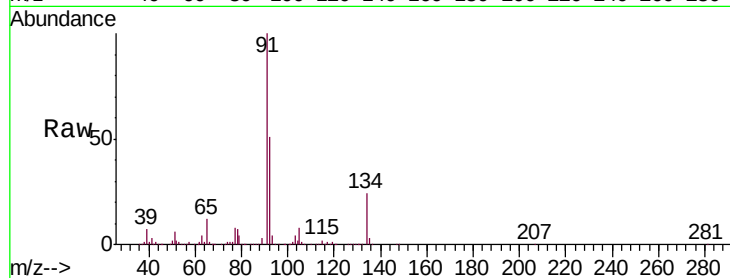
134 25.4 12.9 38.7

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#90

Hexachloroethane

Concen: 157.166 ug/l

RT: 14.10 min Scan# 2001

Delta R.T. -0.00 min

Lab File: VW005547.D

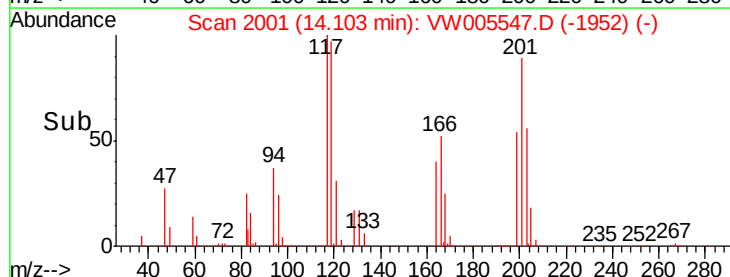
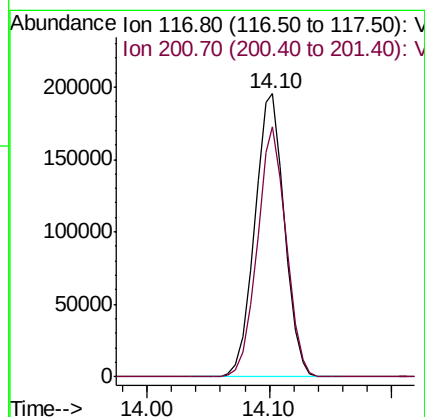
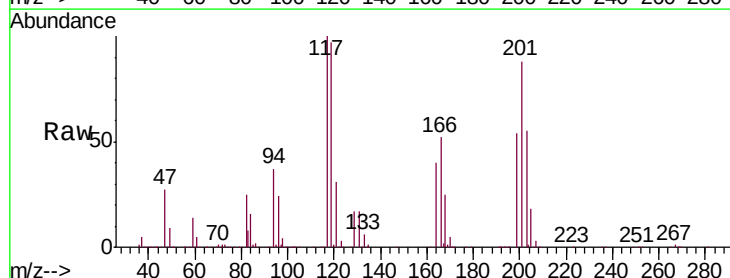
Acq: 20 Sep 2018 23:11

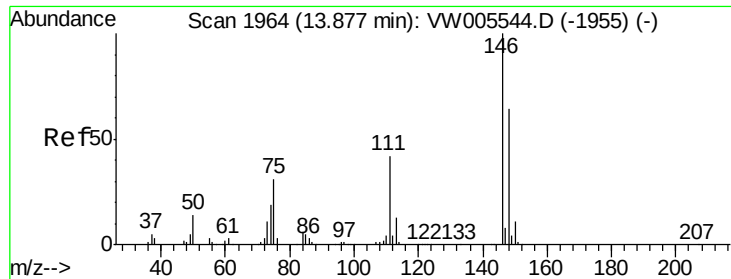
Tgt Ion: 117 Resp: 329159

Ion Ratio Lower Upper

117 100

201 85.8 42.8 128.3





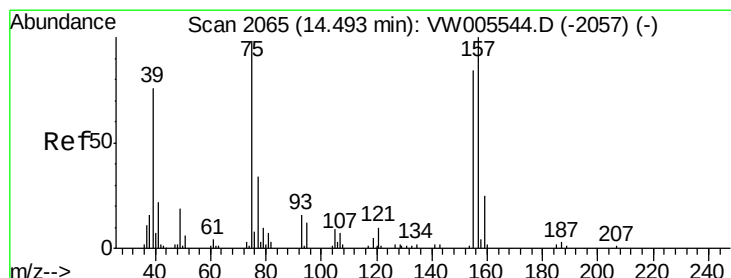
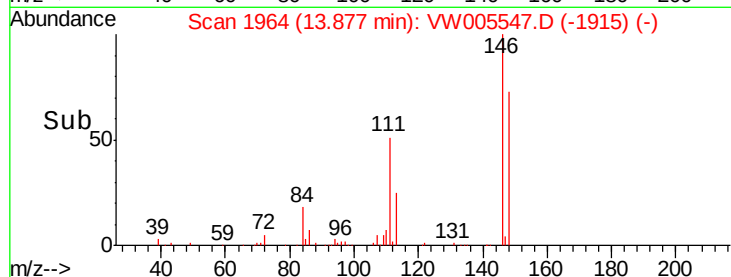
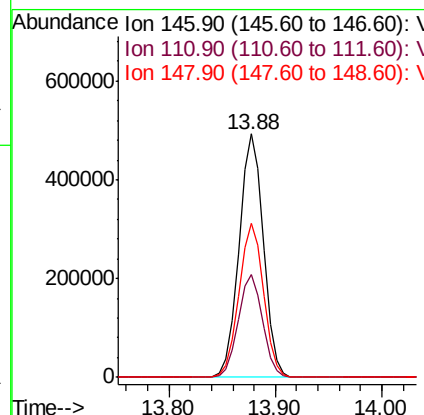
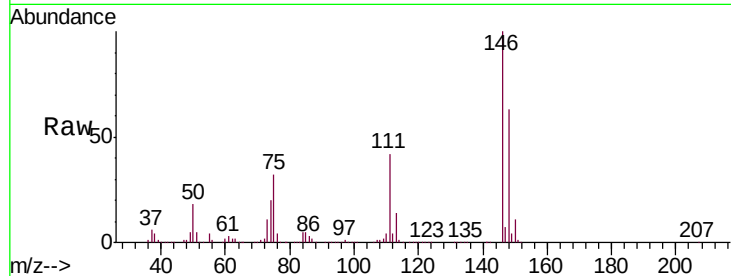
#91
 1,2-Dichlorobenzene
 Concen: 146.057 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	790297		
111	42.0	21.3	63.9	
148	63.7	32.0	96.2	

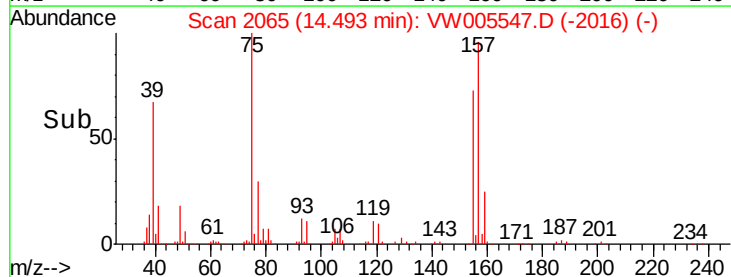
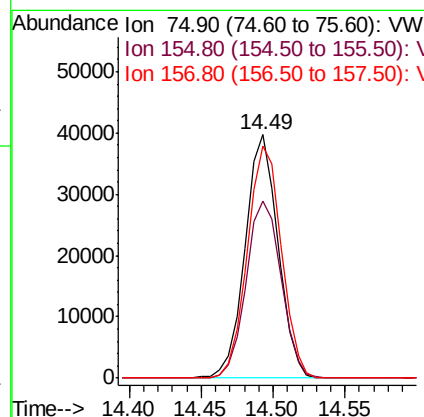
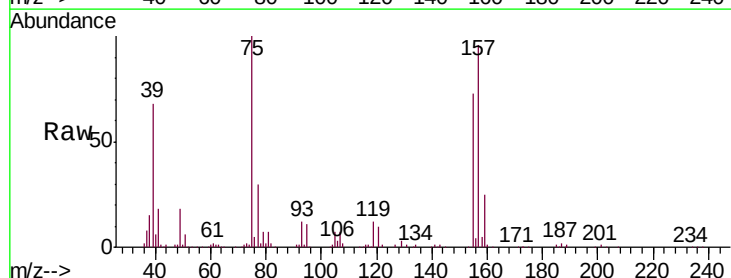
Manual Integrations
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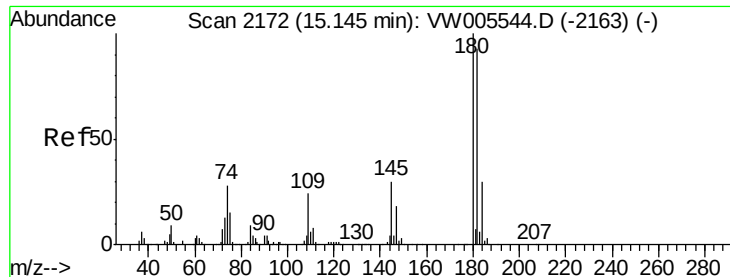
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 171.690 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	62830		
155	77.1	39.1	117.5	
157	98.2	50.8	152.4	





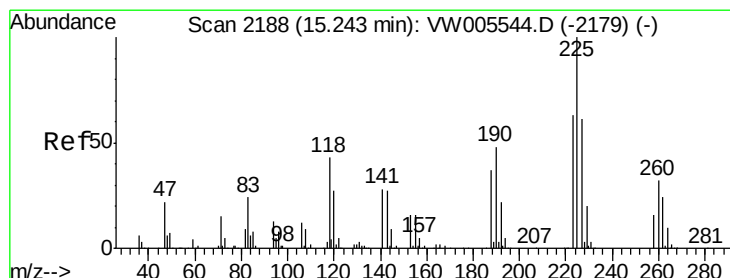
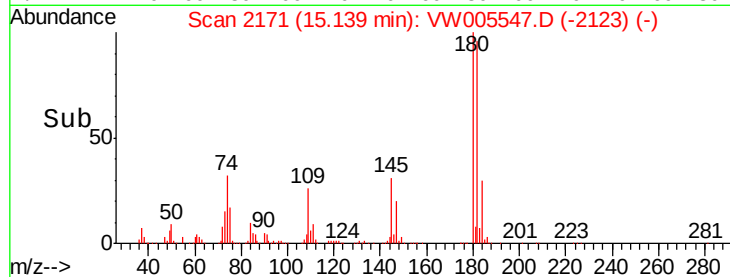
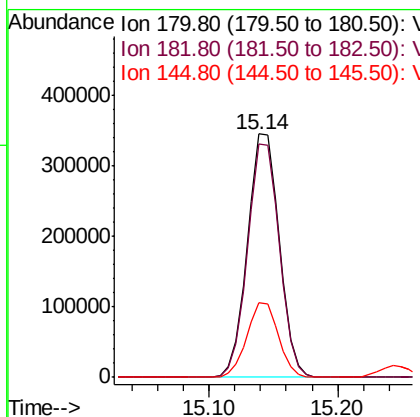
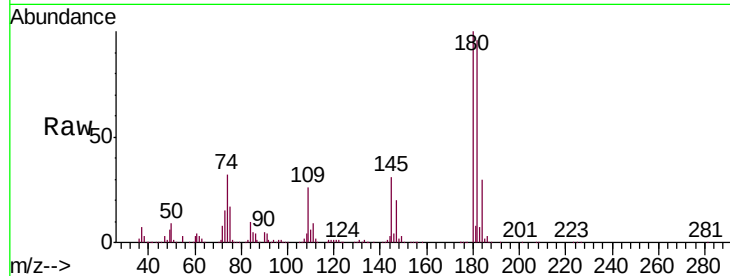
#93
 1,2,4-Trichlorobenzene
 Concen: 160.910 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.01 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	585470		
182	95.7	47.7	143.1	
145	30.4	15.0	45.1	

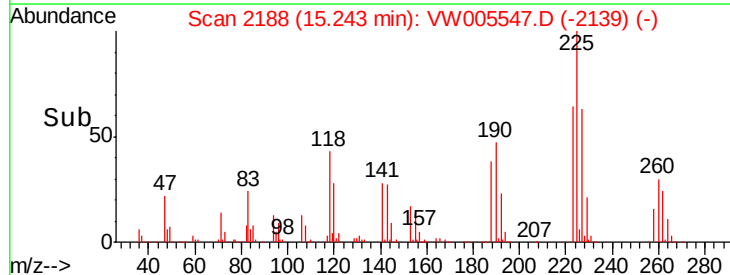
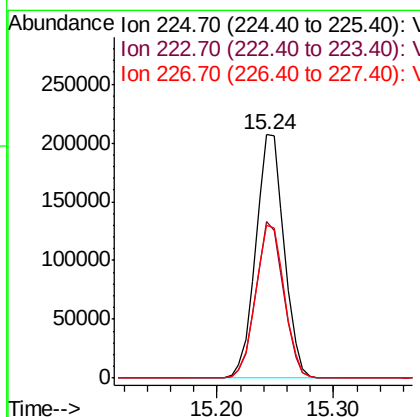
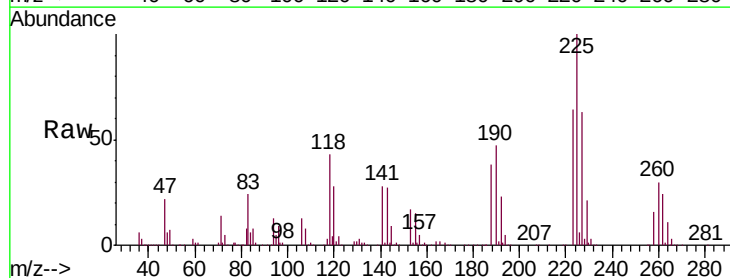
Manual Integrations
 APPROVED

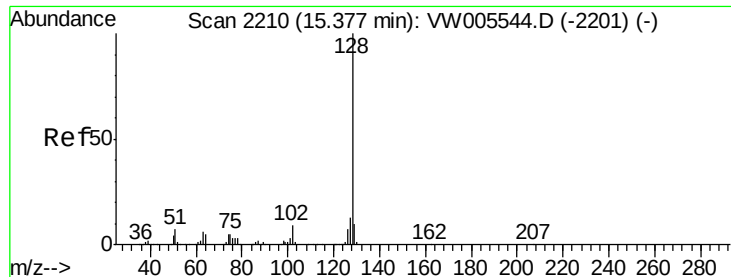
apatel
 10/2/2018 12:28:33 PM



#94
 Hexachlorobutadiene
 Concen: 147.795 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW005547.D
 Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	349394		
223	63.1	31.1	93.3	
227	63.7	31.8	95.3	





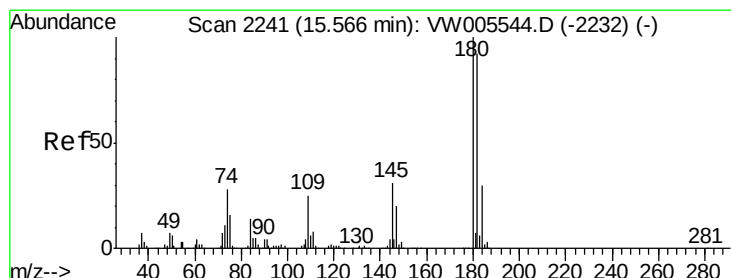
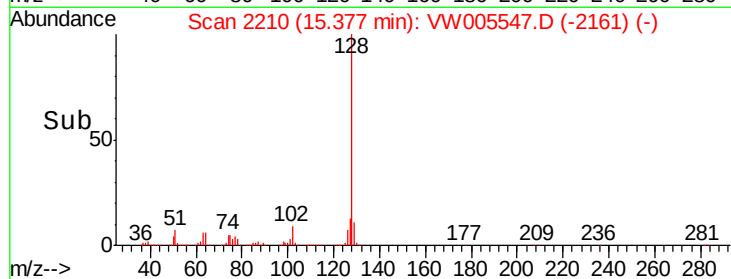
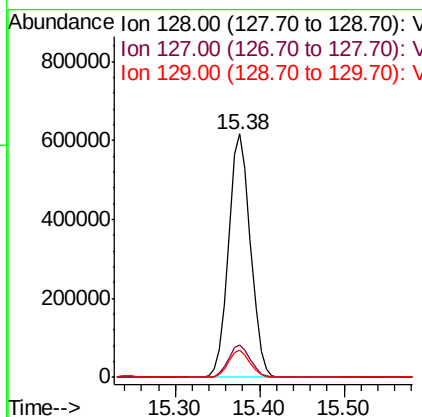
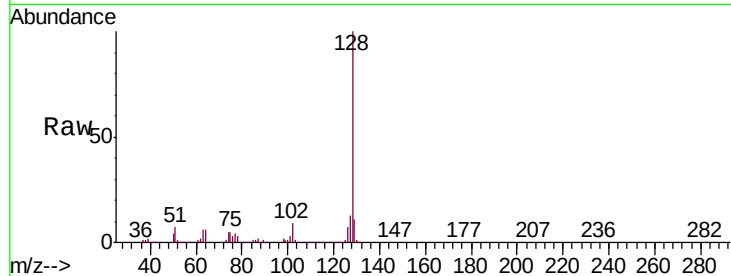
#95
Naphthalene
Concen: 178.509 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Instrument :
MSVOA_W
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.9	16.3
129	11.0	8.6	13.0

Manual Integrations
APPROVED

apatel
10/2/2018 12:28:33 PM



#96
1,2,3-Trichlorobenzene
Concen: 161.760 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW005547.D
Acq: 20 Sep 2018 23:11

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.3	141.9
145	32.2	16.0	47.9

