

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121918\
 Data File : VW007625.D
 Acq On : 17 Dec 2018 12:31
 Operator : SY/AP
 Sample : VW1219SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Manual Integrations
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sam
 12/27/2018 8:23:19 AM

Quant Time: Dec 18 07:23:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 11 02:58:16 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	79817	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	126576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	111266	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	56749	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	39030	44.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.16%	
35) Dibromofluoromethane	7.88	113	37225	48.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.16%	
50) Toluene-d8	10.32	98	143179	49.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.68%	
62) 4-Bromofluorobenzene	12.62	95	54243	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	13112	23.508	ug/l	100
3) Chloromethane	2.21	50	9687	20.737	ug/l	98
4) Vinyl Chloride	2.37	62	13056	23.816	ug/l	98
5) Bromomethane	2.78	94	8099	21.989	ug/l	99
6) Chloroethane	2.93	64	6464	21.421	ug/l	94
7) Trichlorofluoromethane	3.26	101	12545	25.454	ug/l	97
8) Diethyl Ether	3.68	74	8080	20.947	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	18034	22.176	ug/l	98
10) Methyl Iodide	4.26	142	28537	21.188	ug/l	98
11) Tert butyl alcohol	5.17	59	5768	94.844	ug/l	99
12) 1,1-Dichloroethene	4.03	96	17966	22.946	ug/l	97
13) Acrolein	3.89	56	3796	94.331	ug/l	98
14) Allyl chloride	4.67	41	24537	21.260	ug/l	97
15) Acrylonitrile	5.36	53	15617	96.037	ug/l	98
16) Acetone	4.12	43	17273	111.675	ug/l	99
17) Carbon Disulfide	4.37	76	53250	22.430	ug/l	96
18) Methyl Acetate	4.67	43	8260	19.676	ug/l	96
19) Methyl tert-butyl Ether	5.42	73	24125	20.425	ug/l	98
20) Methylene Chloride	4.91	84	19877	21.247	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	18942	21.626	ug/l	95
22) Diisopropyl ether	6.31	45	45807	20.649	ug/l	95
23) Vinyl Acetate	6.25	43	123876	99.833	ug/l	97
24) 1,1-Dichloroethane	6.21	63	31364	20.919	ug/l	97
25) 2-Butanone	7.17	43	19115	94.664	ug/l	99
26) 2,2-Dichloropropane	7.17	77	24095	24.282	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	19947	20.799	ug/l	98
28) Bromochloromethane	7.51	49	10586	18.771	ug/l	99
29) Tetrahydrofuran	7.53	42	11620	90.901	ug/l	96
30) Chloroform	7.68	83	33710	20.660	ug/l	99
31) Cyclohexane	7.95	56	29344	21.331	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	31694	22.151	ug/l	98
36) 1,1-Dichloropropene	8.08	75	27754	24.036	ug/l	97
37) Ethyl Acetate	7.26	43	8120	18.907	ug/l	98
38) Carbon Tetrachloride	8.07	117	30869	24.570	ug/l	95

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.34	83	34776	24.872	ug/l	95
40) Benzene	8.32	78	72257	22.549	ug/l	99
41) Methacrylonitrile	7.48	41	4369	17.865	ug/l #	83
42) 1,2-Dichloroethane	8.40	62	22191	22.046	ug/l	99
43) Isopropyl Acetate	8.43	43	17193	20.267	ug/l	97
44) Trichloroethene	9.09	130	21328	23.308	ug/l	100
45) 1,2-Dichloropropane	9.37	63	16280	21.954	ug/l	99
46) Dibromomethane	9.46	93	9394	22.308	ug/l	96
47) Bromodichloromethane	9.64	83	25533	23.116	ug/l	96
48) Methyl methacrylate	9.44	41	8343	19.149	ug/l	94
49) 1,4-Dioxane	9.45	88	2975	435.401	ug/l	95
51) 4-Methyl-2-Pentanone	10.21	43	40166	100.207	ug/l	96
52) Toluene	10.39	92	48120	23.205	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	24380	22.735	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	28133	22.694	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	12571	21.934	ug/l	97
56) Ethyl methacrylate	10.65	69	14511	21.065	ug/l	97
57) 1,3-Dichloropropane	10.93	76	21643	23.007	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	33430	105.233	ug/l	100
59) 2-Hexanone	10.97	43	28362	106.116	ug/l	98
60) Dibromochloromethane	11.13	129	16552	22.884	ug/l	98
61) 1,2-Dibromoethane	11.24	107	12301	21.718	ug/l	98
64) Tetrachloroethene	10.86	164	16735	20.915	ug/l	90
65) Chlorobenzene	11.66	112	53025	22.864	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	19034	23.303	ug/l	99
67) Ethyl Benzene	11.73	91	95404	23.927	ug/l	94
68) m/p-Xylenes	11.84	106	72894	47.026	ug/l	98
69) o-Xylene	12.17	106	34263	23.668	ug/l	97
70) Styrene	12.18	104	56460	24.146	ug/l	97
71) Bromoform	12.35	173	9277	22.190	ug/l #	96
73) Isopropylbenzene	12.47	105	99526	22.888	ug/l	100
74) N-amyl acetate	12.27	43	15938	20.168	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	13751	21.351	ug/l	94
76) 1,2,3-Trichloropropane	12.77	75	8471m	18.104	ug/l	
77) Bromobenzene	12.75	156	21811	22.629	ug/l	98
78) n-propylbenzene	12.81	91	116660	23.839	ug/l	99
79) 2-Chlorotoluene	12.90	91	65185	22.014	ug/l	96
80) 1,3,5-Trimethylbenzene	12.95	105	85121	23.297	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	4554	21.499	ug/l	92
82) 4-Chlorotoluene	12.99	91	70904	22.717	ug/l	100
83) tert-Butylbenzene	13.21	119	75677	23.507	ug/l	100
84) 1,2,4-Trimethylbenzene	13.26	105	85792	22.818	ug/l	98
85) sec-Butylbenzene	13.39	105	105200	23.937	ug/l	95
86) p-Isopropyltoluene	13.51	119	94420	23.915	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	42919	22.334	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	42401	21.947	ug/l	98
89) n-Butylbenzene	13.83	91	86938	23.752	ug/l	98
90) Hexachloroethane	14.10	117	16459	23.429	ug/l	100
91) 1,2-Dichlorobenzene	13.88	146	38029	22.094	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2692	20.829	ug/l	94

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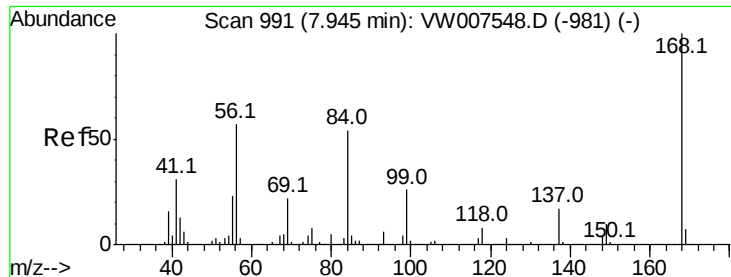
Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W121118S.M
Quant Title : SW846 8260
QLast Update : Tue Dec 11 02:58:16 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	25906	21.870	ug/l	96
94) Hexachlorobutadiene	15.24	225	14105	22.443	ug/l	100
95) Naphthalene	15.38	128	44843	19.789	ug/l	96
96) 1,2,3-Trichlorobenzene	15.57	180	21414	20.811	ug/l	98

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



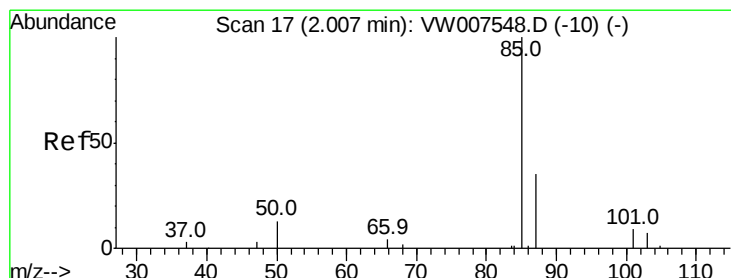
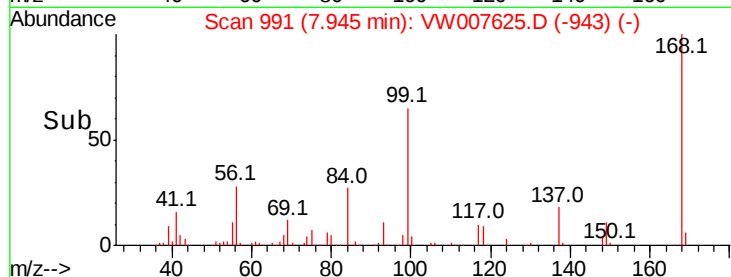
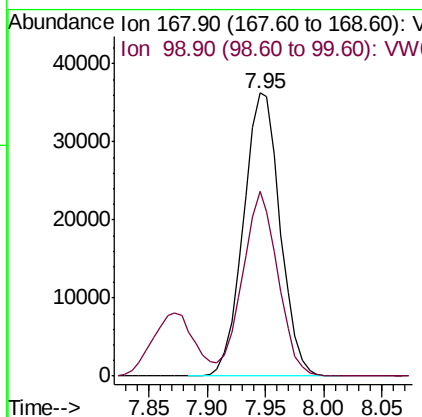
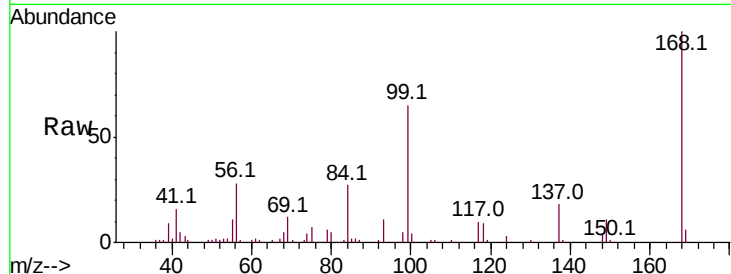
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.95 min Scan# 991
Delta R.T. -0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion:168 Resp: 79817
Ion Ratio Lower Upper
168 100
99 65.4 48.3 72.5

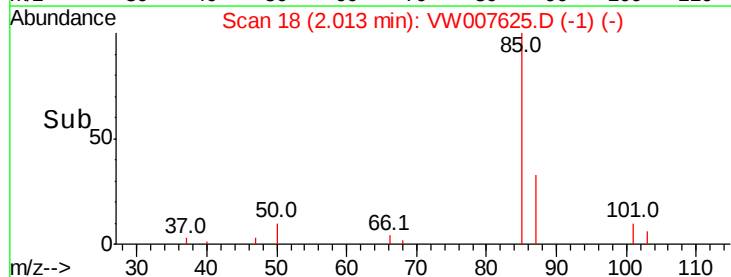
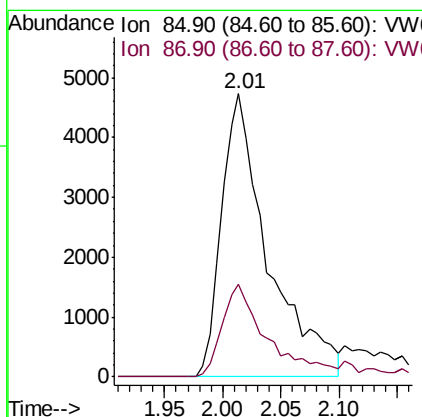
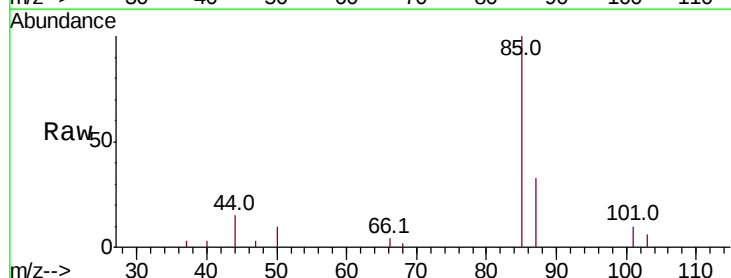
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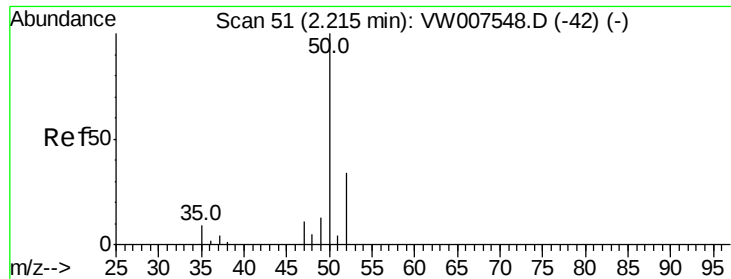
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#2
Dichlorodifluoromethane
Concen: 23.508 ug/l
RT: 2.01 min Scan# 18
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion: 85 Resp: 13112
Ion Ratio Lower Upper
85 100
87 32.9 16.6 49.7





#3

Chloromethane

Concen: 20.737 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 50 Resp: 9687

Ion Ratio Lower Upper

50 100

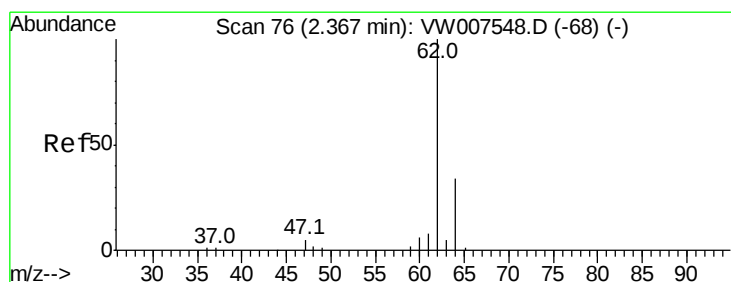
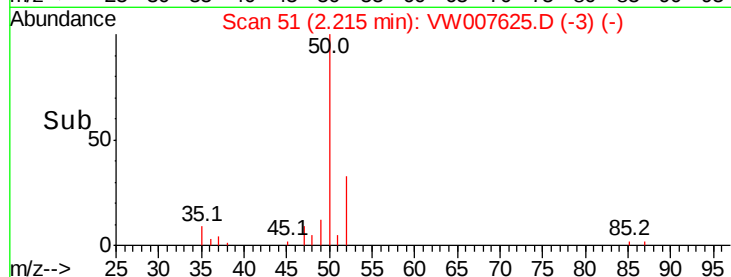
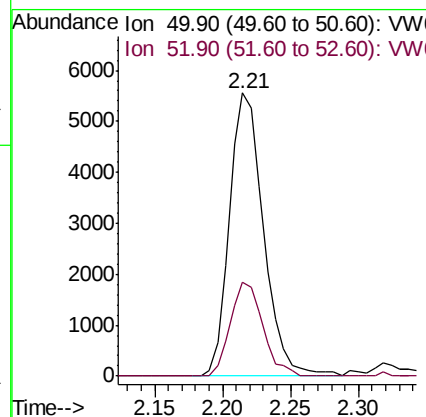
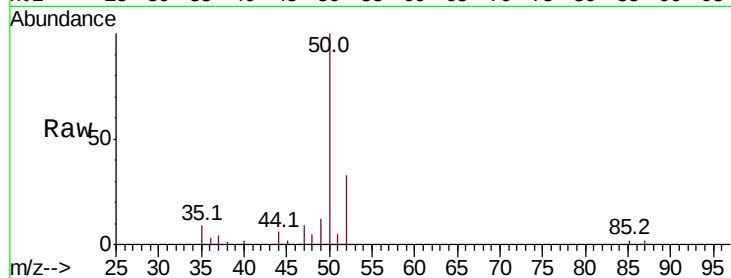
52 33.1 27.4 41.0

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#4

Vinyl Chloride

Concen: 23.816 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW007625.D

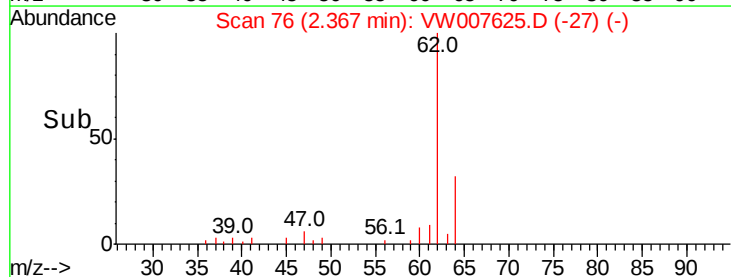
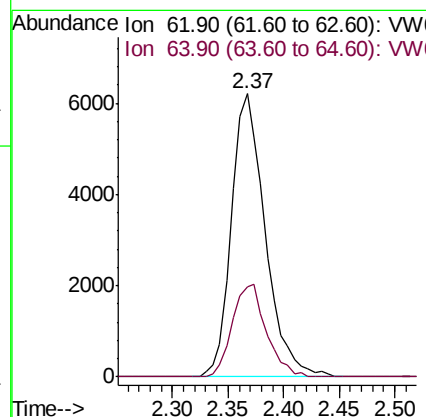
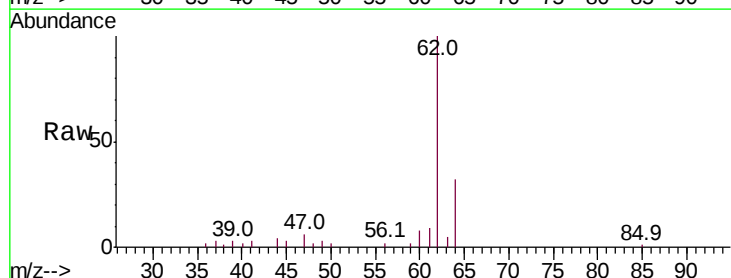
Acq: 17 Dec 2018 12:31

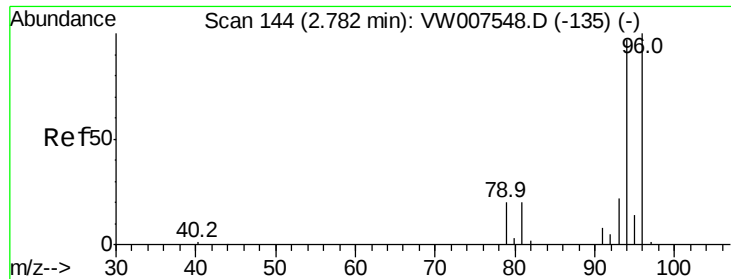
Tgt Ion: 62 Resp: 13056

Ion Ratio Lower Upper

62 100

64 32.0 24.6 37.0





#5

Bromomethane

Concen: 21.989 ug/l

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 94 Resp: 8099

Ion Ratio Lower Upper

94 100

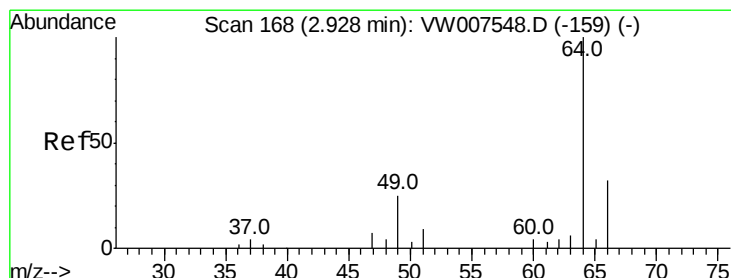
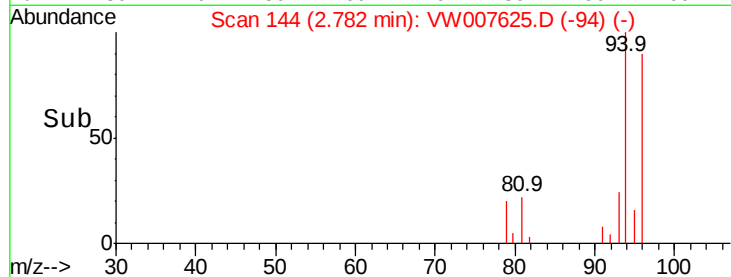
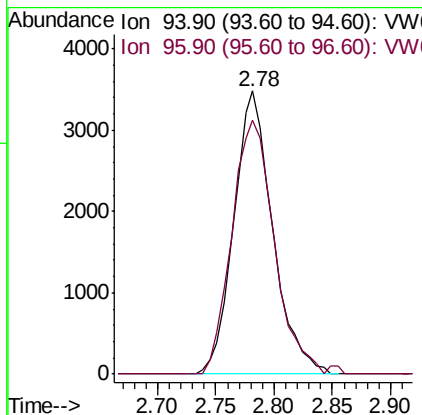
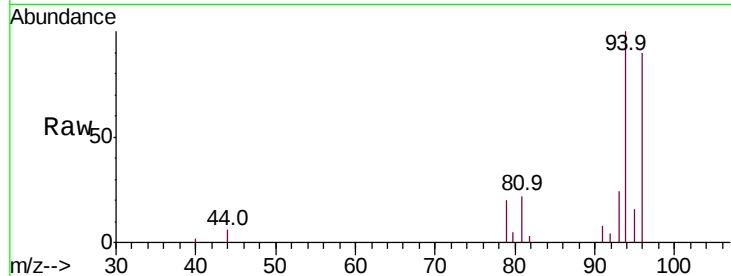
96 89.8 71.0 106.4

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#6

Chloroethane

Concen: 21.421 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW007625.D

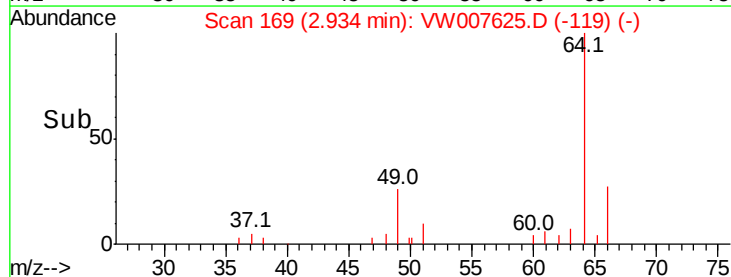
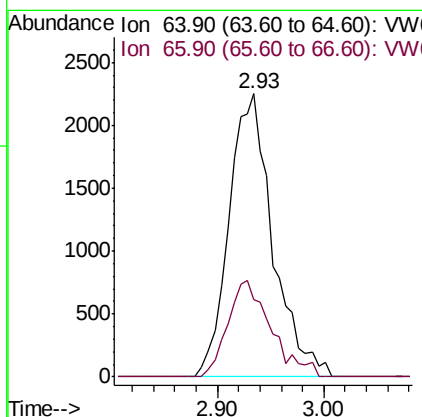
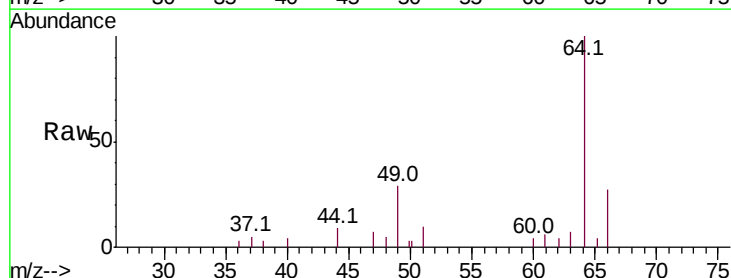
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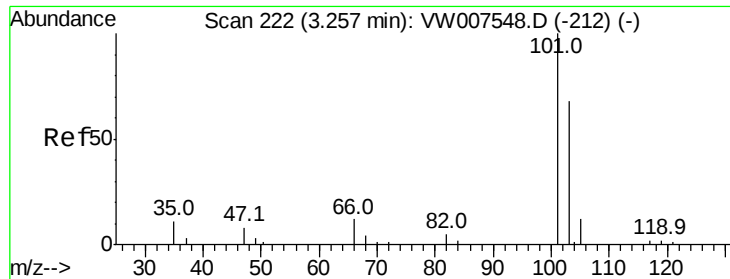
Tgt Ion: 64 Resp: 6464

Ion Ratio Lower Upper

64 100

66 27.3 24.6 37.0





#7

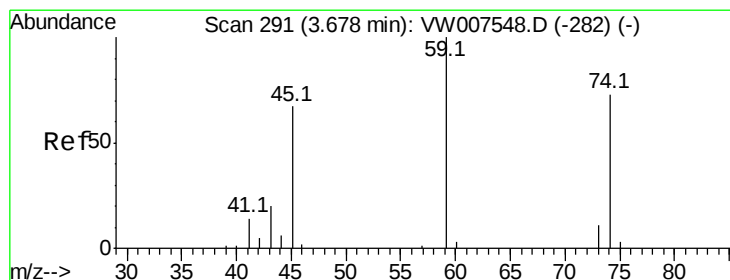
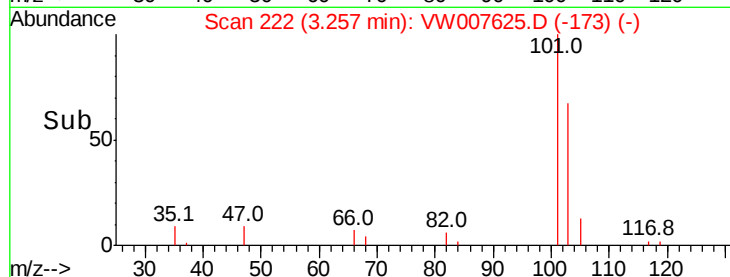
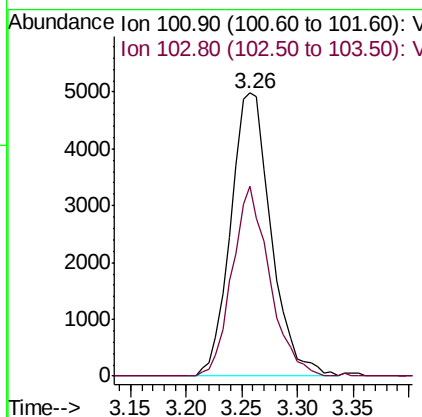
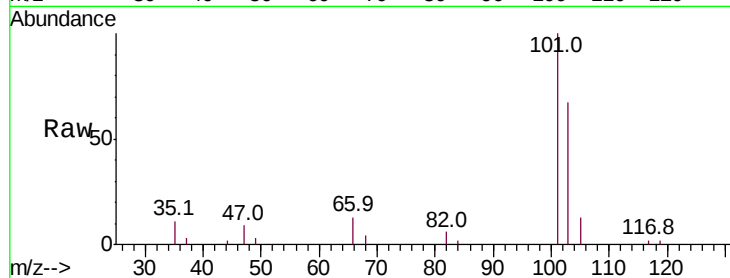
Trichlorofluoromethane
Concen: 25.454 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
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ClientSampleId :
VW1219SBS01

Tot Ion:101 Resp: 12545
Ion Ratio Lower Upper
101 100
103 67.2 51.7 77.5

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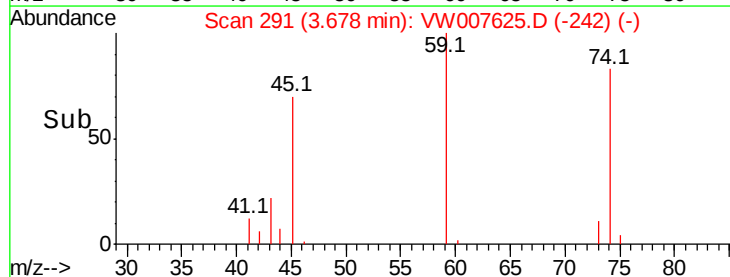
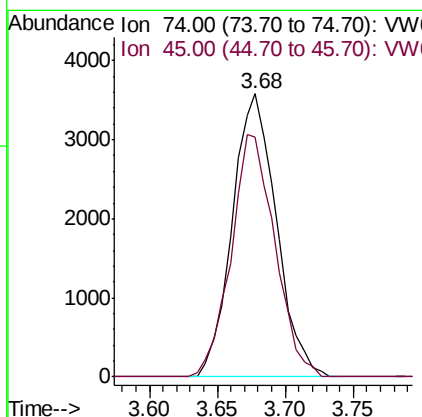
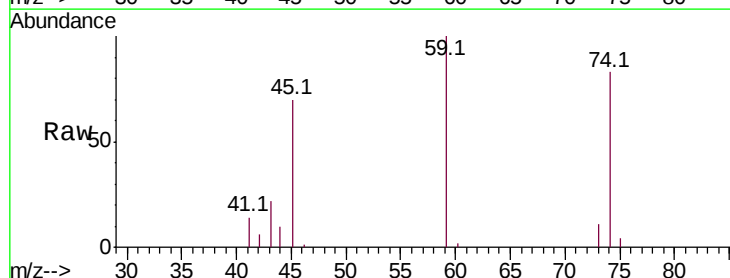
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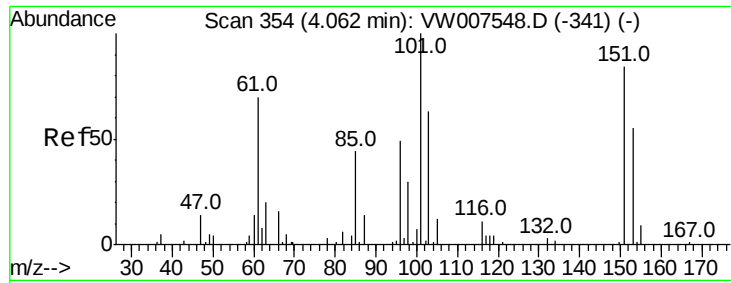


#8

Diethyl Ether
Concen: 20.947 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion: 74 Resp: 8080
Ion Ratio Lower Upper
74 100
45 85.1 43.0 129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.176 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

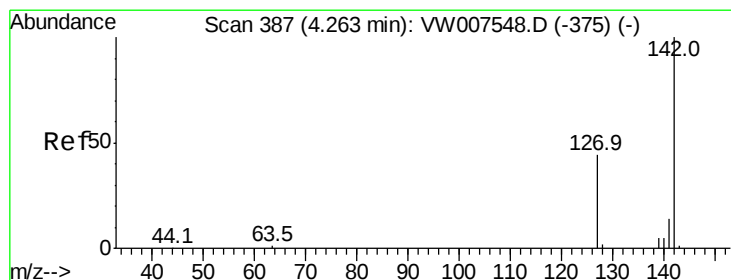
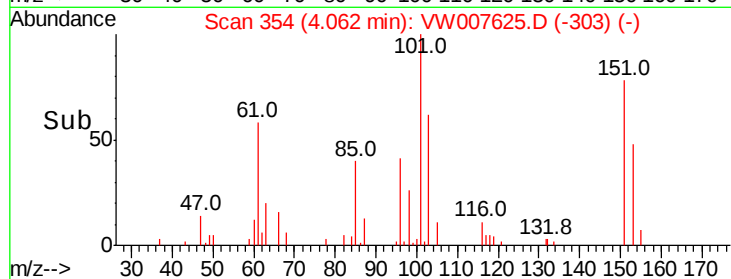
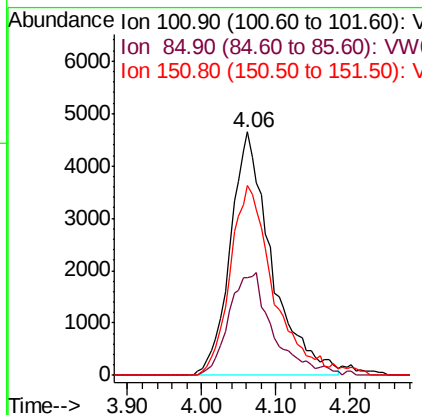
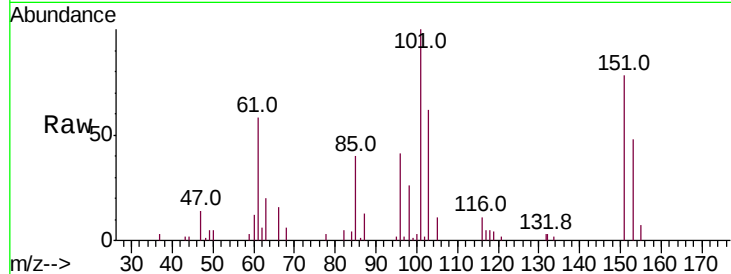
ClientSampleId :

VW1219SBS01

Tot Ion:	101	Resp:	18034
Ion Ratio	Lower	Upper	
101	100		
85	44.7	33.9	50.9
151	80.8	63.7	95.5

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#10

Methyl Iodide

Concen: 21.188 ug/l

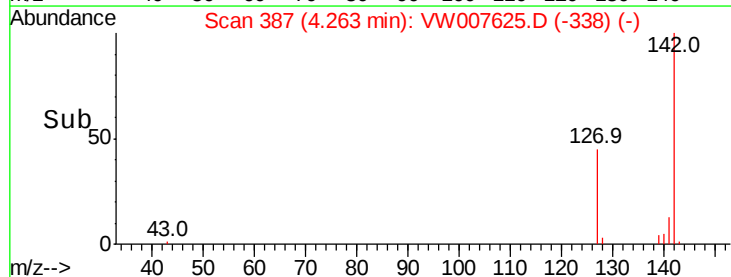
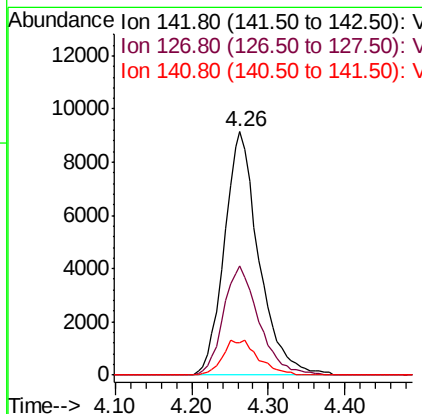
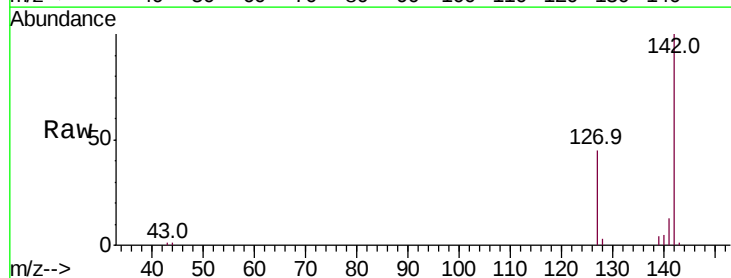
RT: 4.26 min Scan# 387

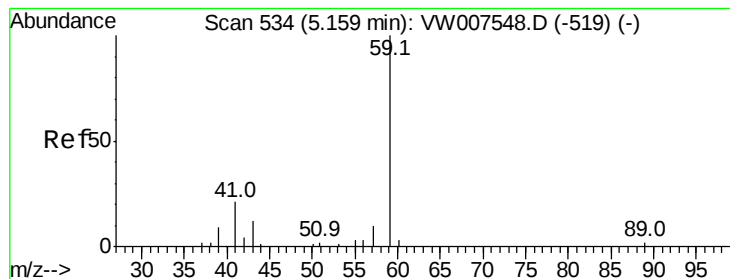
Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Tgt Ion:	142	Resp:	28537
Ion Ratio	Lower	Upper	
142	100		
127	46.2	35.8	53.6
141	14.7	11.1	16.7





#11

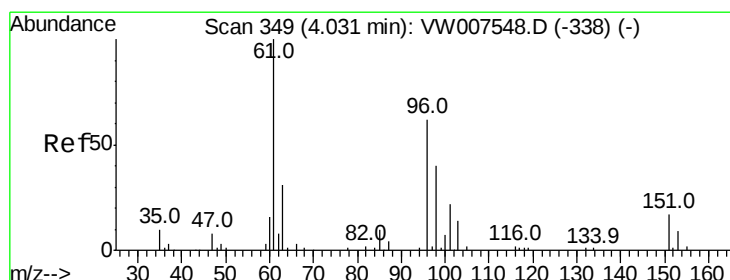
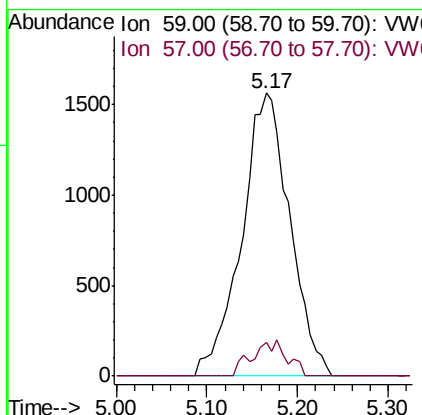
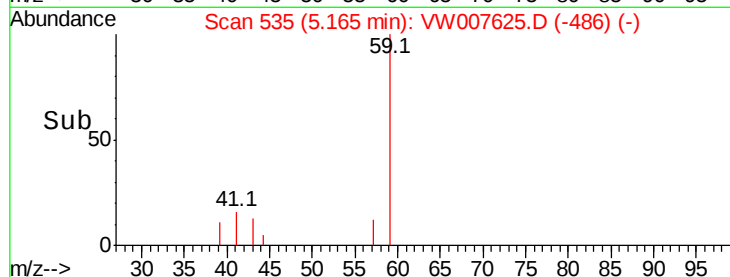
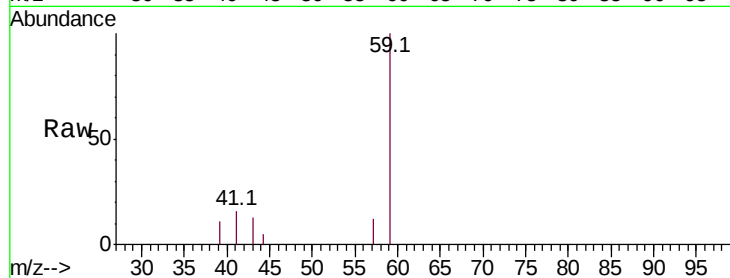
Tert butyl alcohol
Concen: 94.844 ug/l
RT: 5.17 min Scan# 535
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	7.6	11.4

Manual Integrations
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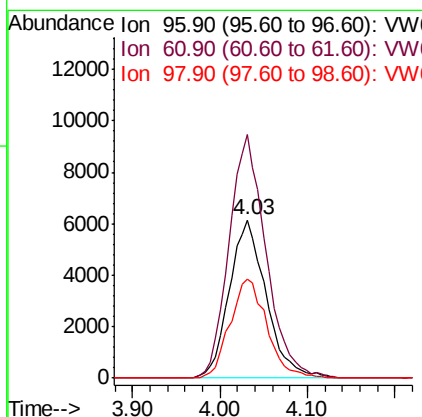
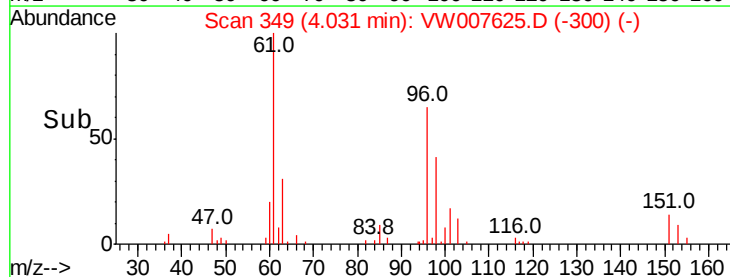
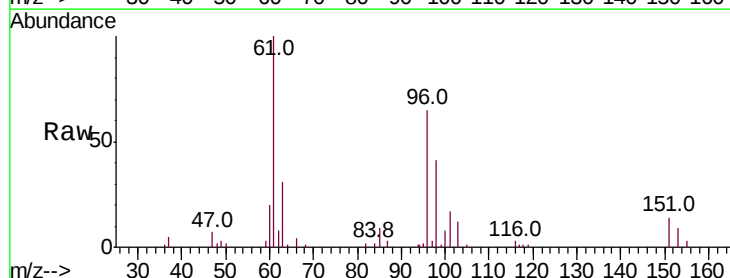
sam
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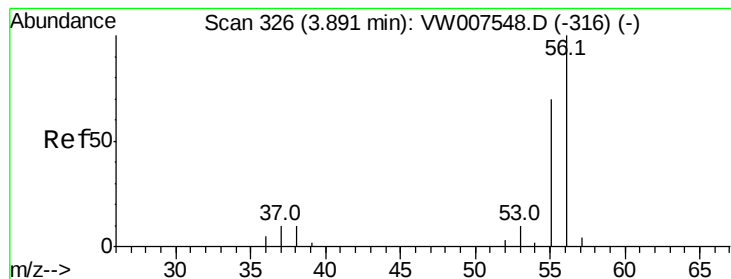


#12

1,1-Dichloroethene
Concen: 22.946 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	154.0	126.2	189.2
98	62.9	48.3	72.5





#13

Acrolein

Concen: 94.331 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 56 Resp: 3796

Ion Ratio Lower Upper

56 100

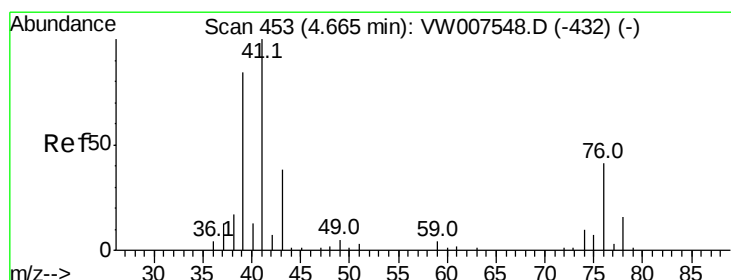
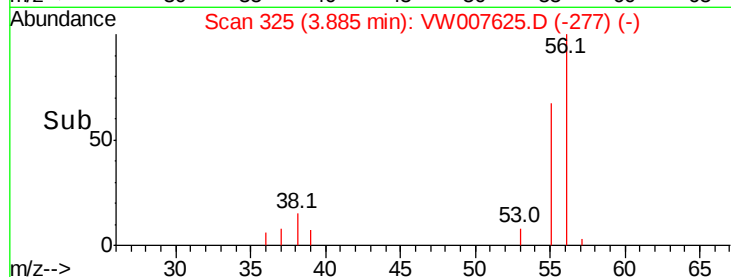
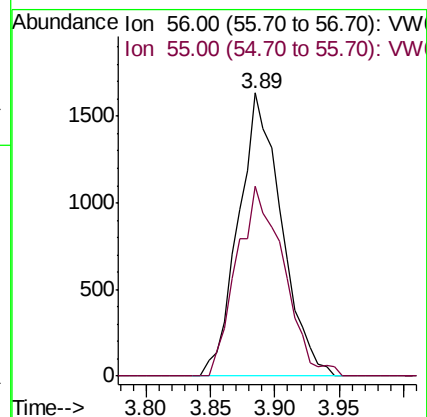
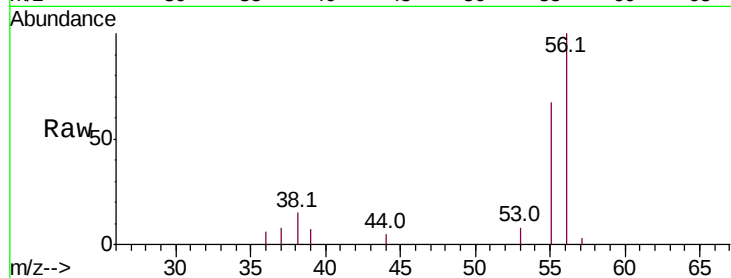
55 73.6 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 21.260 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

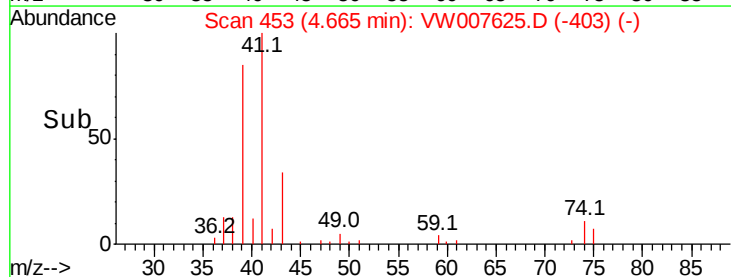
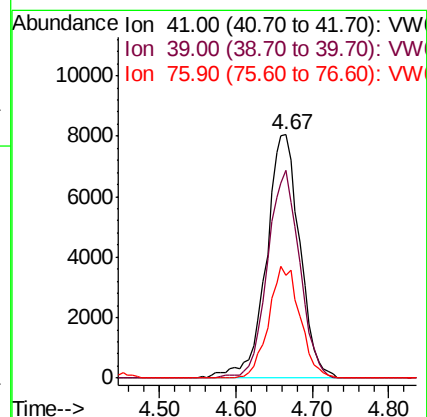
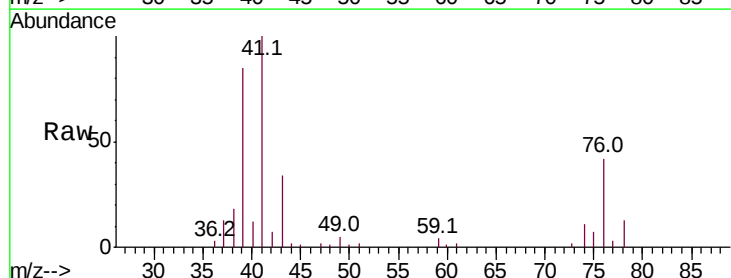
Tgt Ion: 41 Resp: 24537

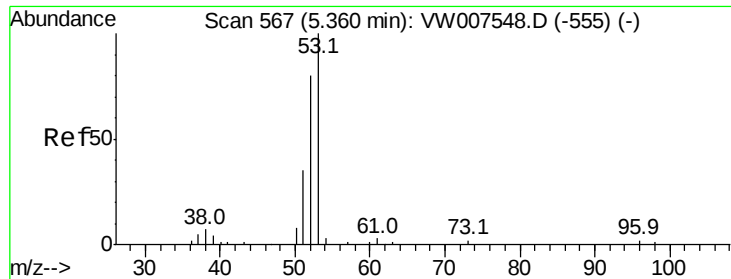
Ion Ratio Lower Upper

41 100

39 81.6 63.4 95.2

76 42.8 32.1 48.1





#15

Acrylonitrile

Concen: 96.037 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

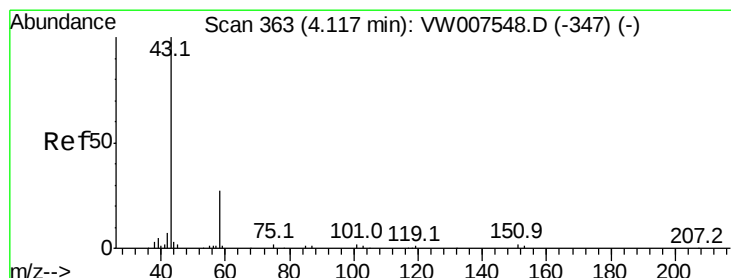
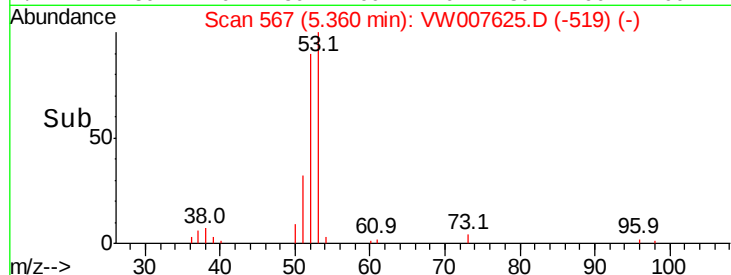
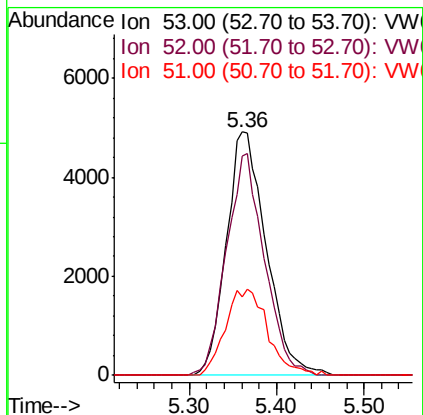
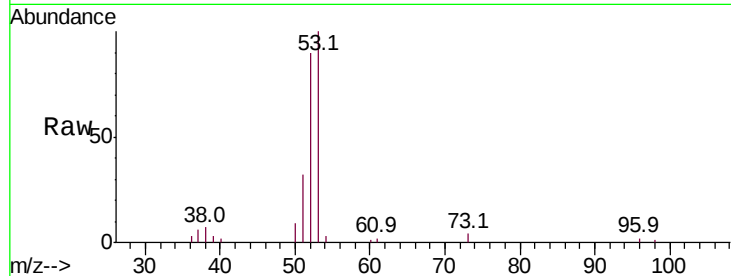
ClientSampleId :

VW1219SBS01

Tot Ion:	53	Resp:	15617
Ion Ratio	Lower	Upper	
53	100		
52	86.3	67.4	101.2
51	37.3	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 111.675 ug/l

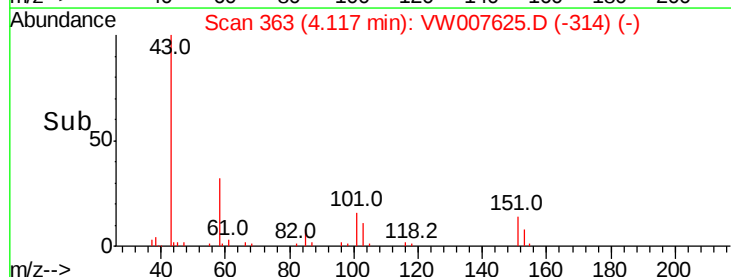
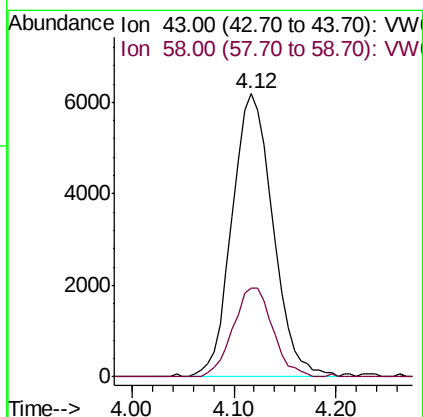
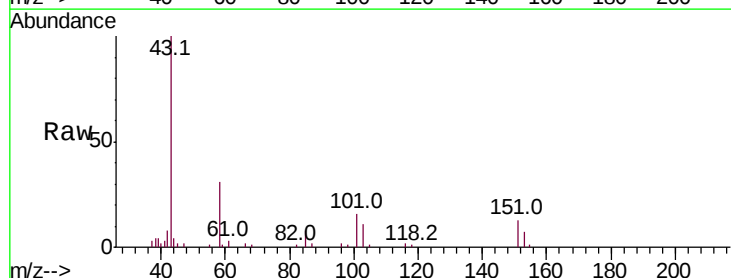
RT: 4.12 min Scan# 363

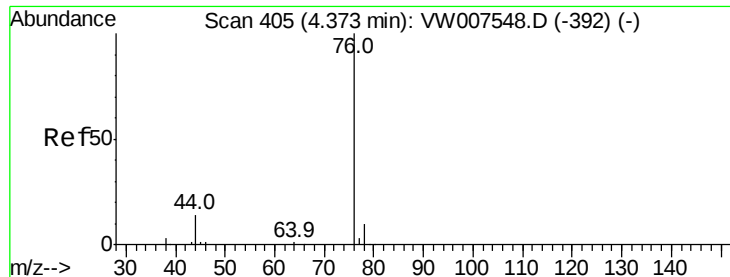
Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Tgt Ion:	43	Resp:	17273
Ion Ratio	Lower	Upper	
43	100		
58	31.5	24.9	37.3





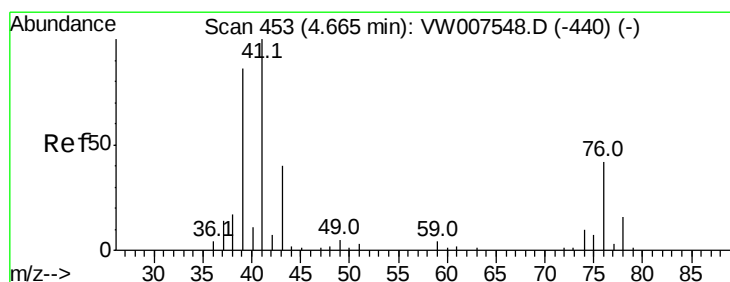
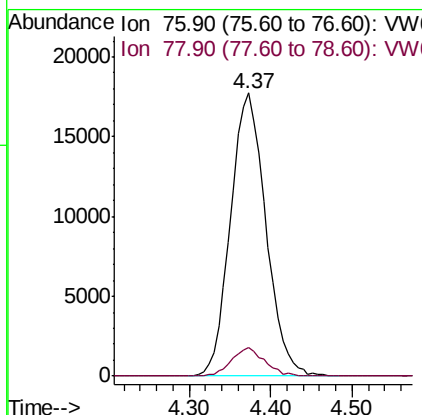
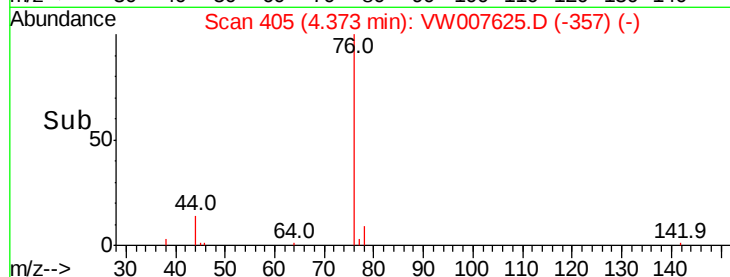
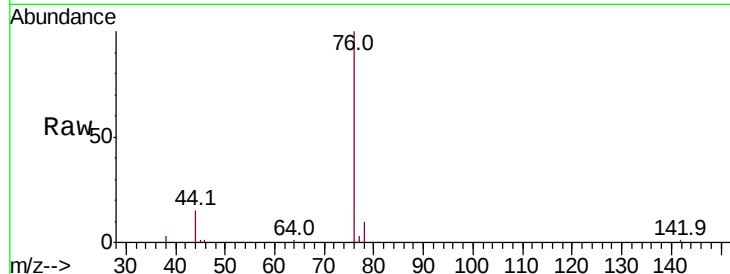
#17
Carbon Disulfide
Concen: 22.430 ug/l
RT: 4.37 min Scan# 405
Delta R.T. -0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion: 76 Resp: 53250
Ion Ratio Lower Upper
76 100
78 10.2 7.1 10.7

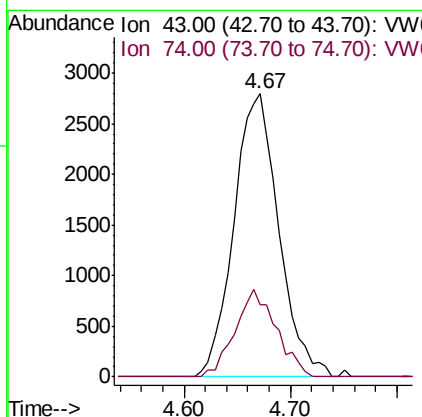
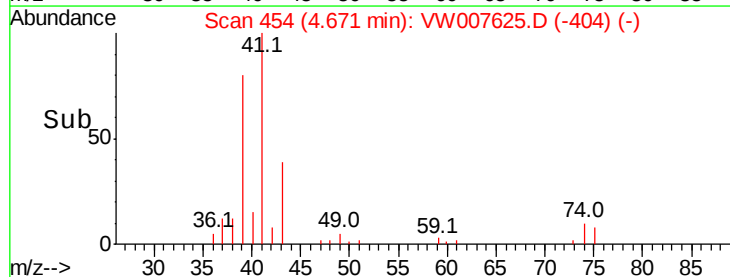
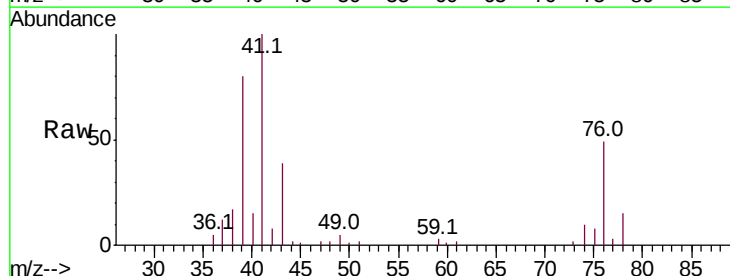
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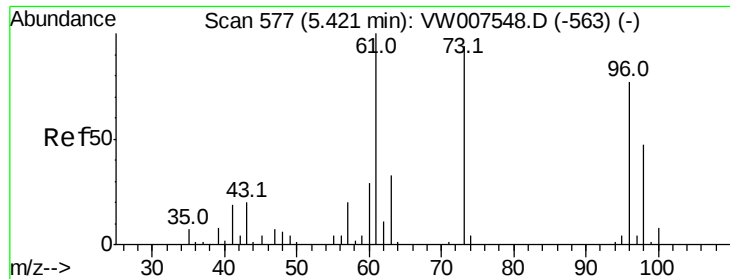
sam
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#18
Methyl Acetate
Concen: 19.676 ug/l
RT: 4.67 min Scan# 454
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion: 43 Resp: 8260
Ion Ratio Lower Upper
43 100
74 28.4 21.1 31.7





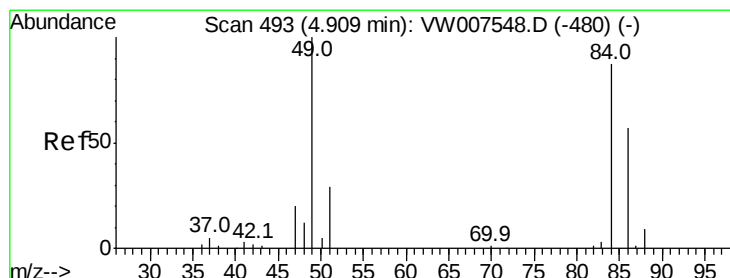
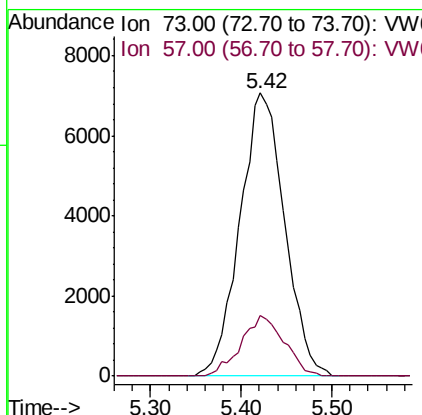
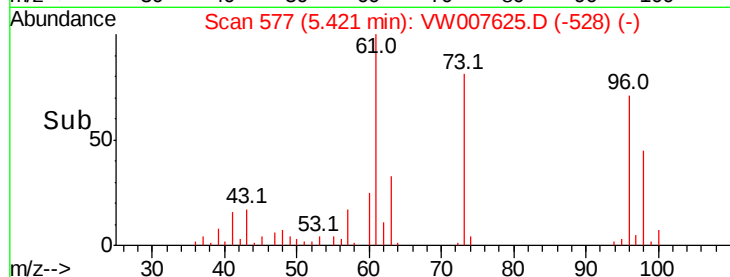
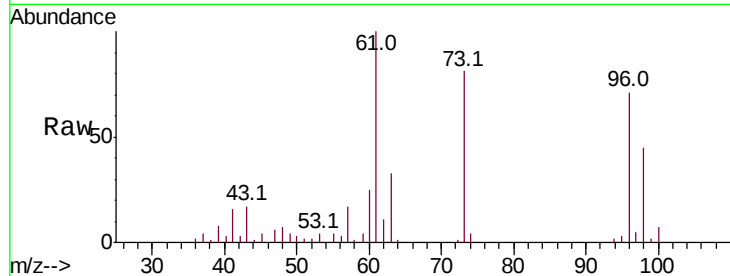
#19
Methvl tert-butvl Ether
Concen: 20.425 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion: 73 Resp: 24125
Ion Ratio Lower Upper
73 100
57 21.2 16.4 24.6

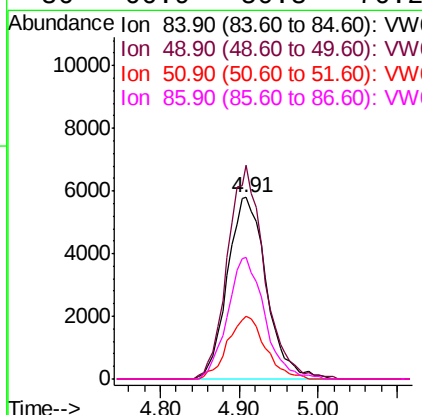
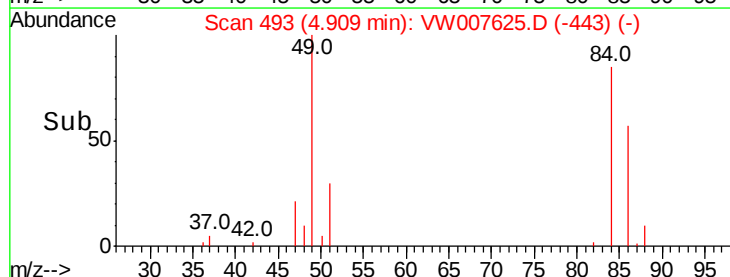
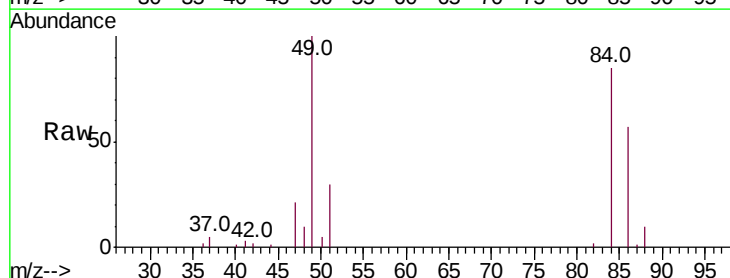
Manual Integrations
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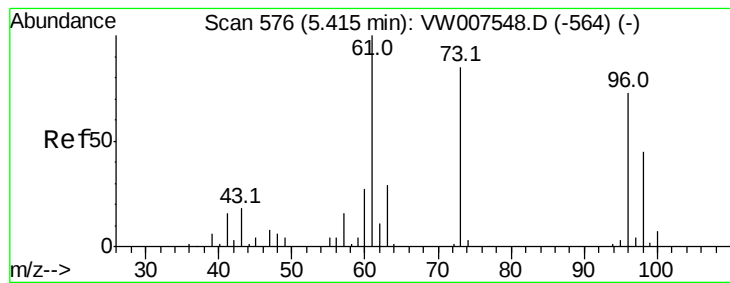
sam
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#20
Methylene Chloride
Concen: 21.247 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion: 84 Resp: 19877
Ion Ratio Lower Upper
84 100
49 117.9 87.1 130.7
51 34.9 28.2 42.2
86 66.9 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 21.626 ug/l

RT: 5.42 min Scan# 577

Delta R.T. 0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 96 Resp: 18942

Ion Ratio Lower Upper

96 100

61 140.2 105.0 157.6

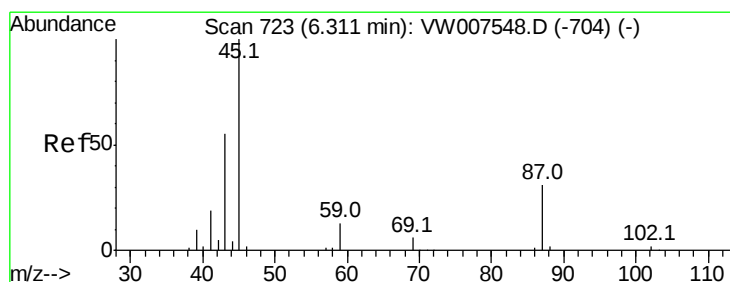
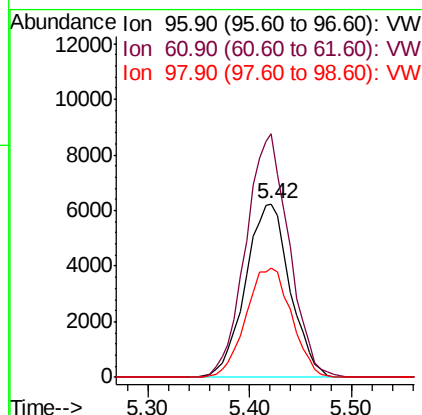
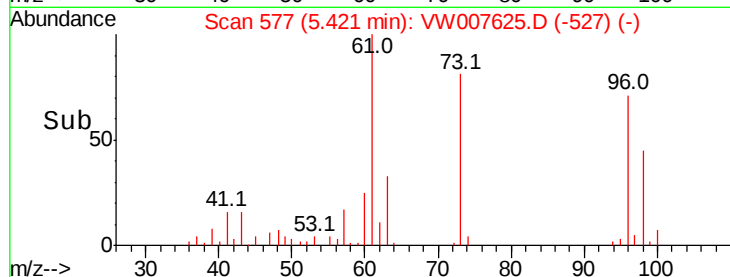
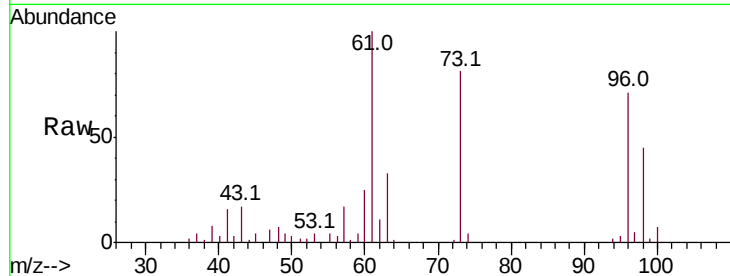
98 62.7 49.7 74.5

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.649 ug/l

RT: 6.31 min Scan# 723

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Tgt Ion: 45 Resp: 45807

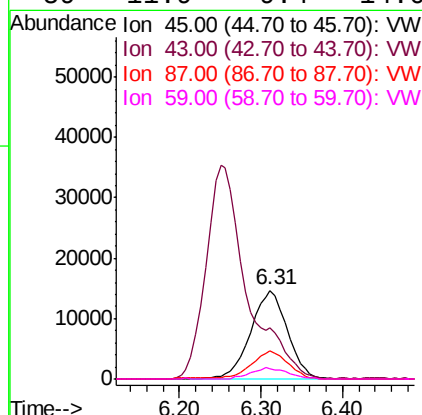
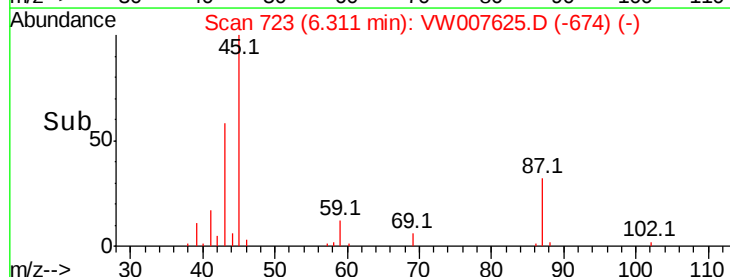
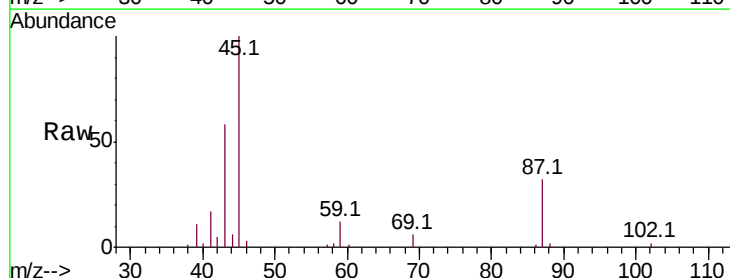
Ion Ratio Lower Upper

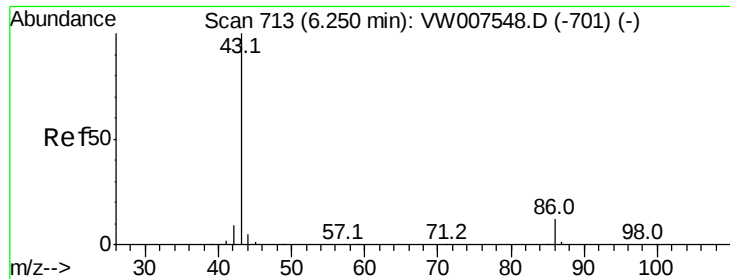
45 100

43 57.1 41.6 62.4

87 32.1 24.3 36.5

59 11.9 9.4 14.0





#23

Vinyl Acetate

Concen: 99.833 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 43 Resp: 123876

Ion Ratio Lower Upper

43 100

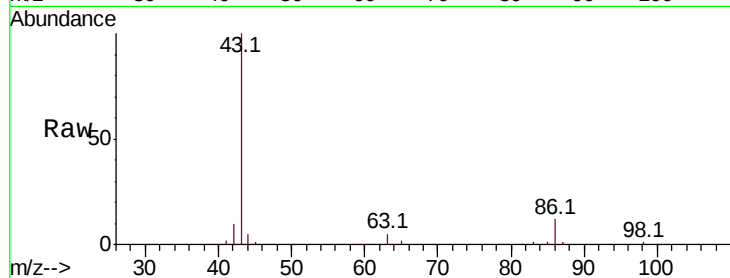
86 11.9 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.25

40000

30000

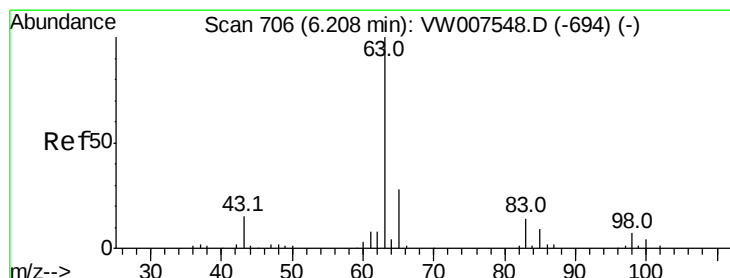
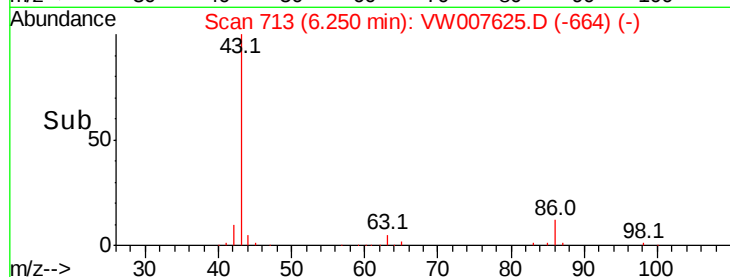
20000

10000

0

6.10 6.20 6.30 6.40

Time-->



#24

1,1-Dichloroethane

Concen: 20.919 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

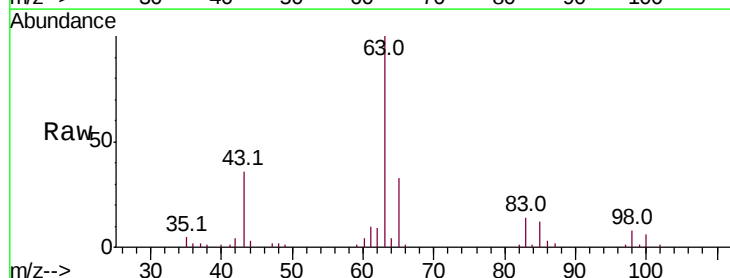
Tgt Ion: 63 Resp: 31364

Ion Ratio Lower Upper

63 100

98 8.2 3.5 10.4

100 5.9 2.5 7.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

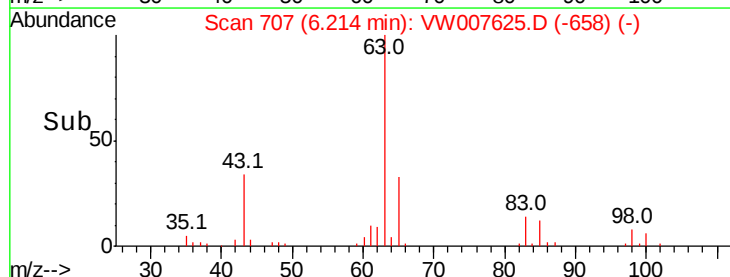
10000

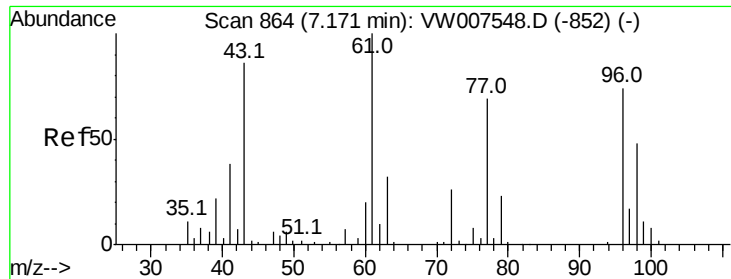
5000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 94.664 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 43 Resp: 19115

Ion Ratio Lower Upper

43 100

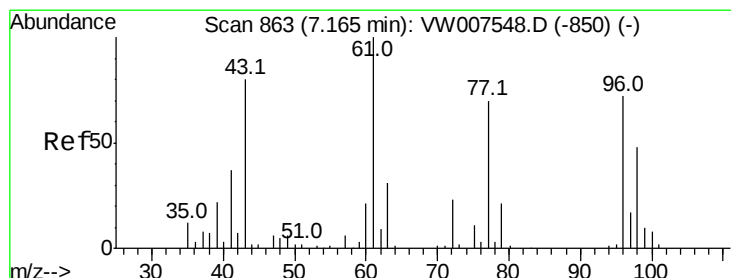
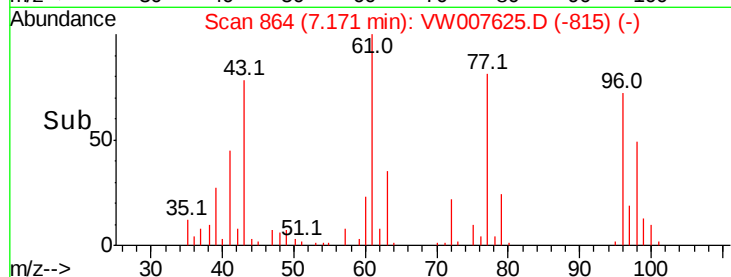
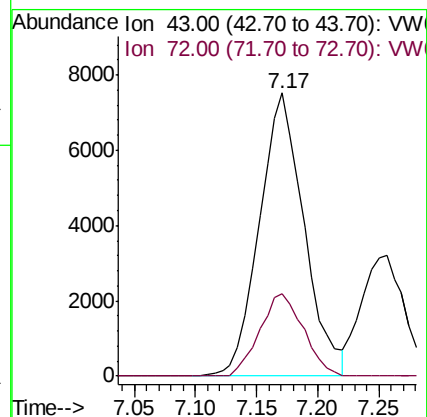
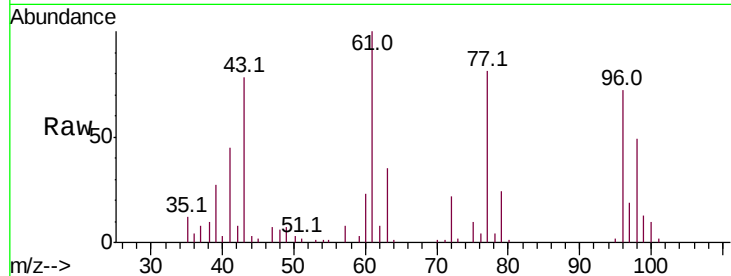
72 29.0 23.4 35.2

Manual Integrations

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sam

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#26

2,2-Dichloropropane

Concen: 24.282 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW007625.D

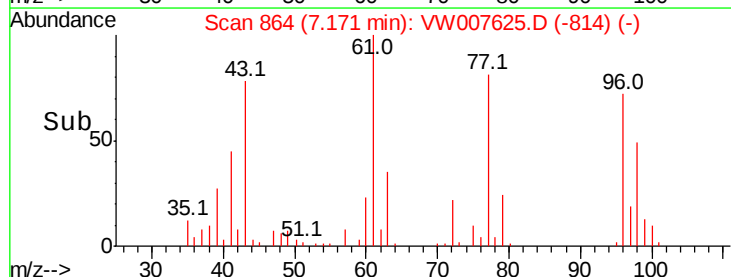
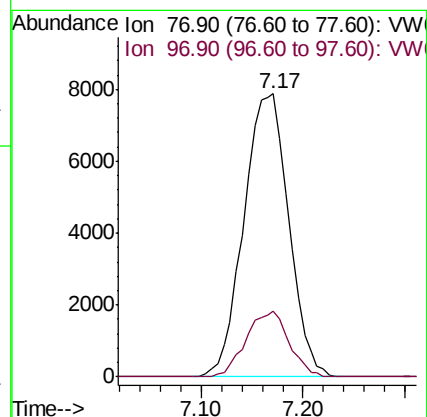
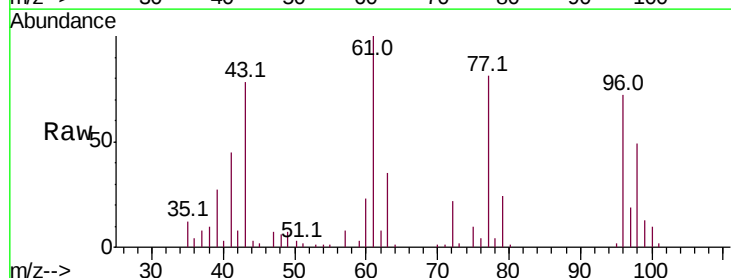
Acq: 17 Dec 2018 12:31

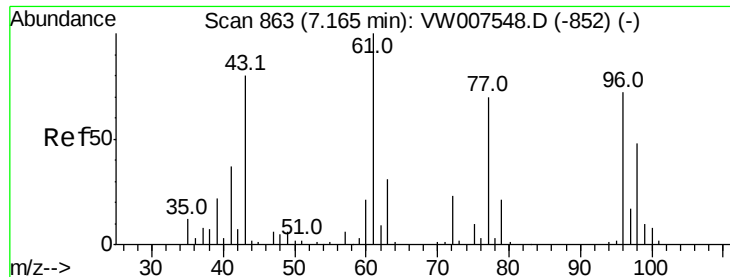
Tgt Ion: 77 Resp: 24095

Ion Ratio Lower Upper

77 100

97 22.1 11.6 34.8





#27

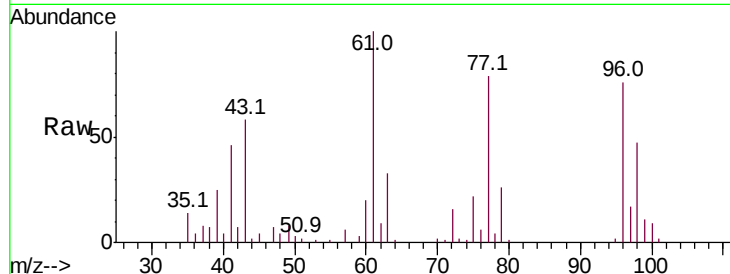
cis-1,2-Dichloroethene
Concen: 20.799 ug/l
RT: 7.16 min Scan# 862
Delta R.T. -0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

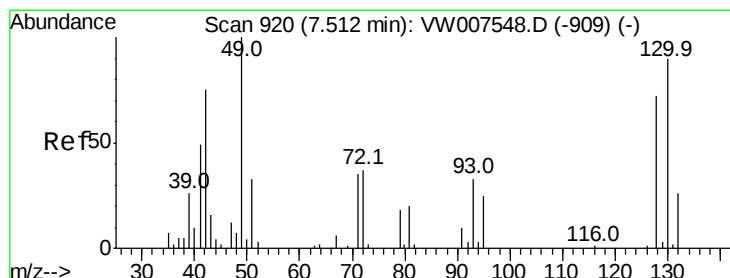
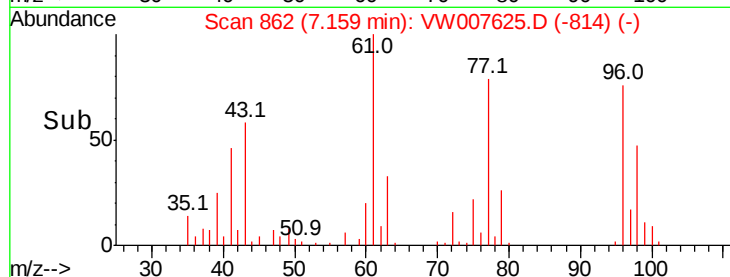
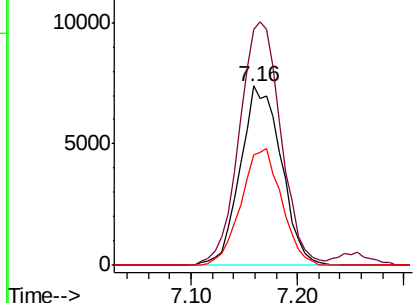
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.6	0.0	268.4
98	64.2	0.0	127.8

Manual Integrations
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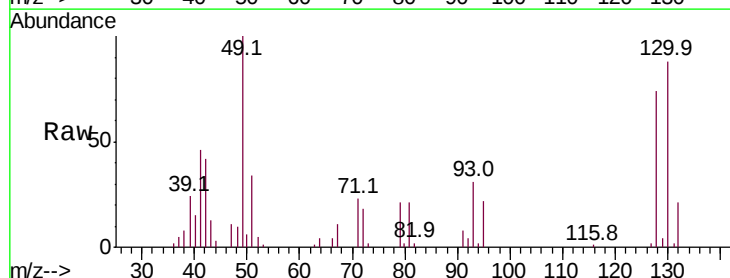
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



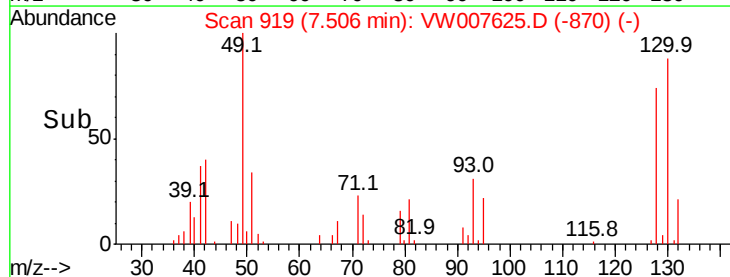
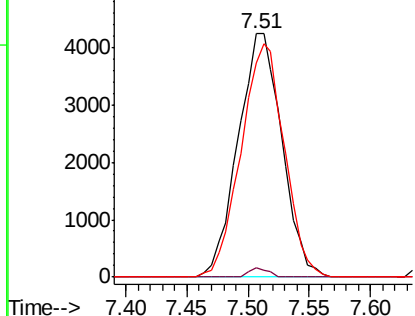
#28

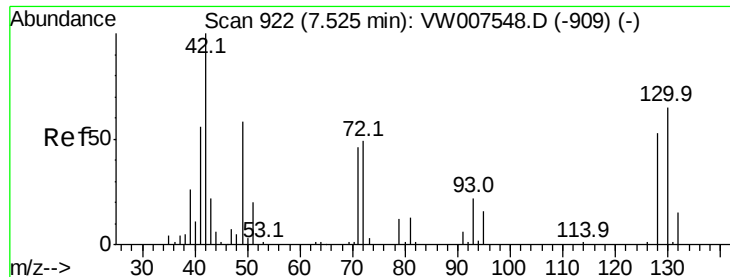
Bromochloromethane
Concen: 18.771 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	2.6
130	94.4	75.9	113.9



Abundance Ion 48.90 (48.60 to 49.60): VW
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





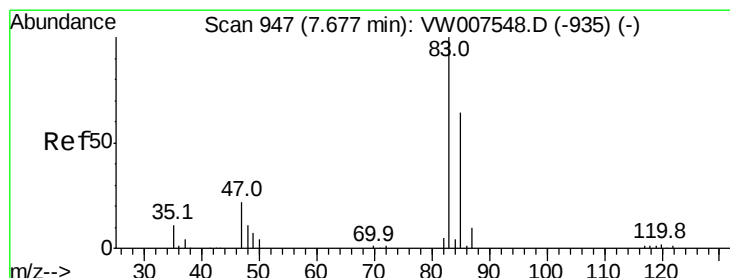
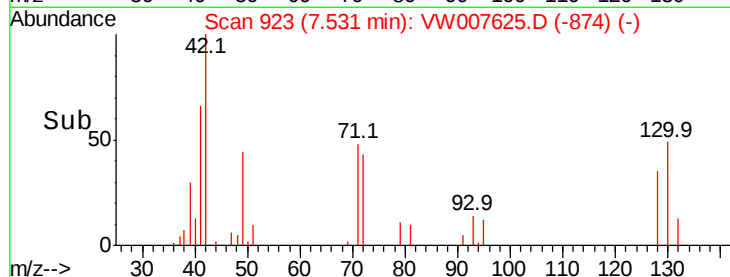
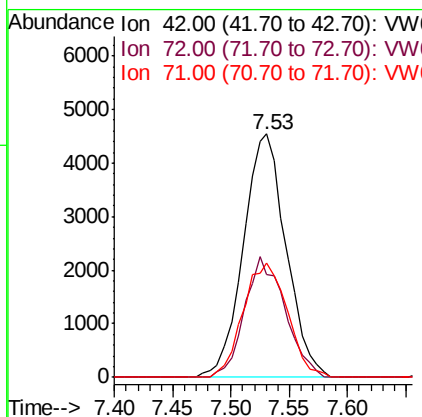
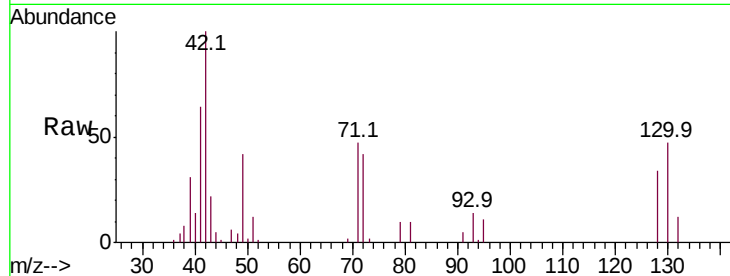
#29
Tetrahydrofuran
Concen: 90.901 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.8	38.2	57.4
71	48.5	35.5	53.3

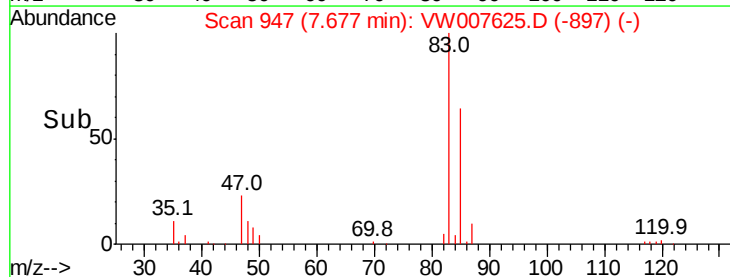
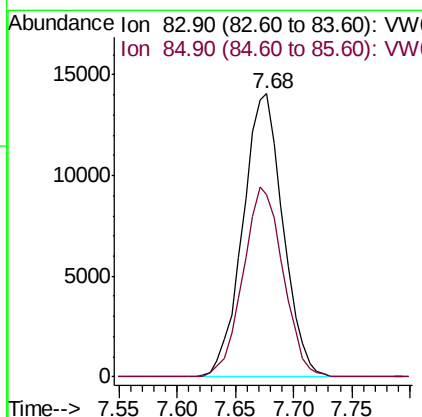
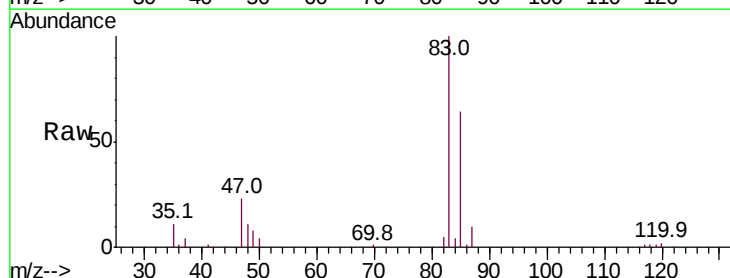
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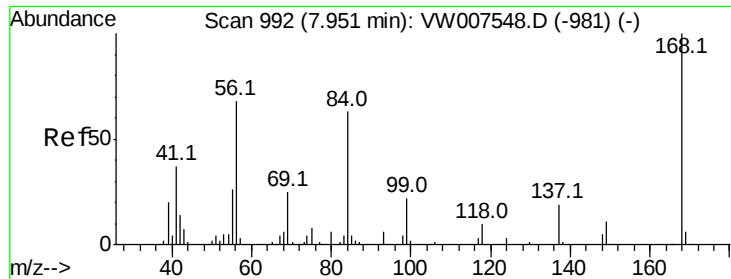
sam
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#30
Chloroform
Concen: 20.660 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.2	51.8	77.8





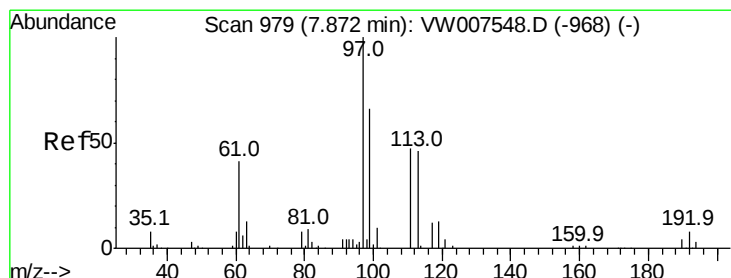
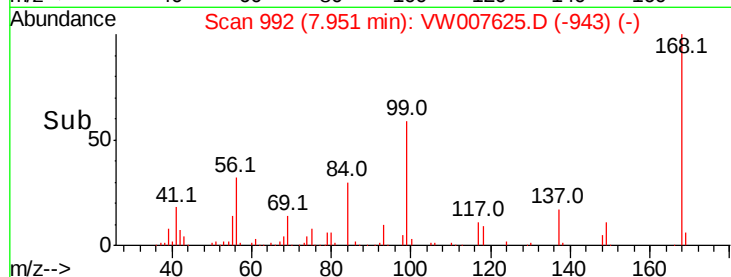
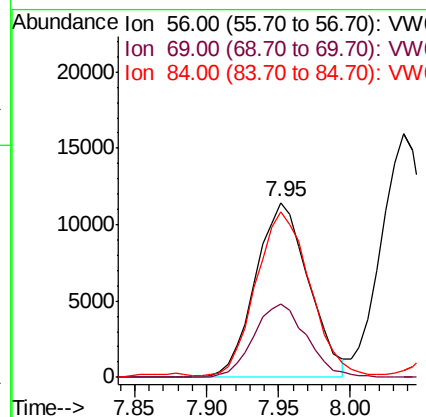
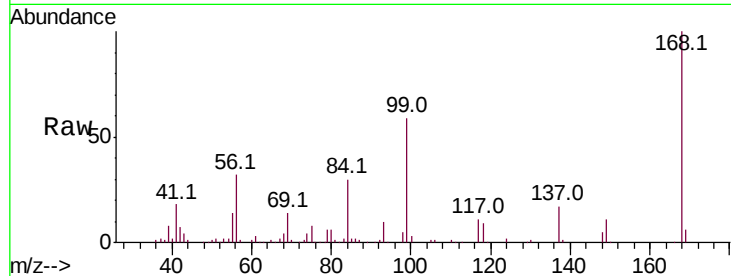
#31
Cyclohexane
Concen: 21.331 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	42.2	28.9	43.3
84	93.7	71.8	107.6

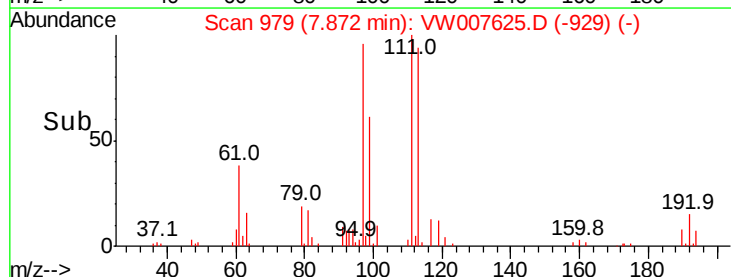
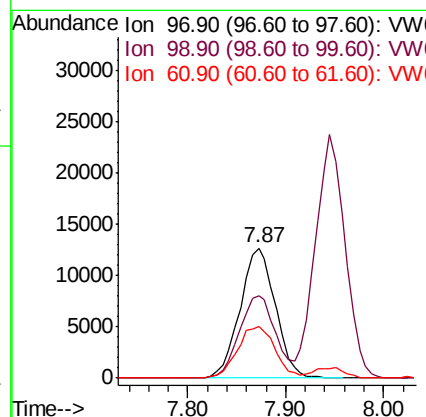
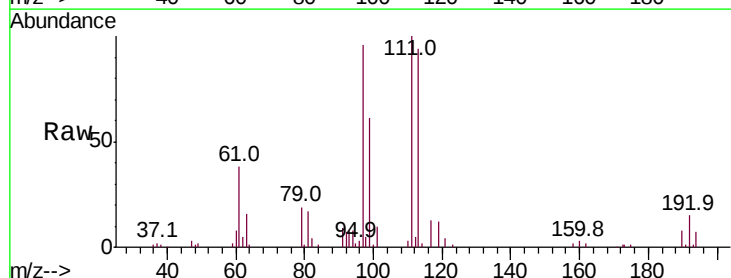
Manual Integrations
APPROVED

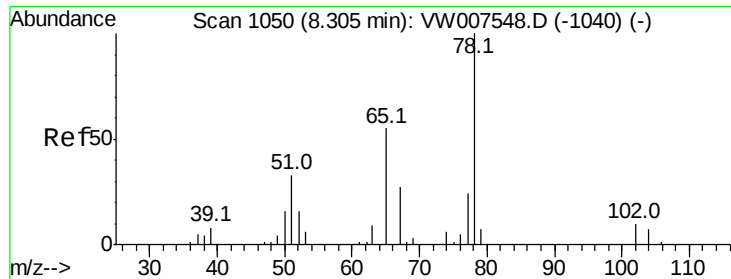
sam
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#32
1,1,1-Trichloroethane
Concen: 22.151 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.9	51.1	76.7
61	42.2	33.2	49.8





#33

1,2-Dichloroethane-d4

Concen: 44.077 ug/l

RT: 8.30 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 65 Resp: 39030

Ion Ratio Lower Upper

65 100

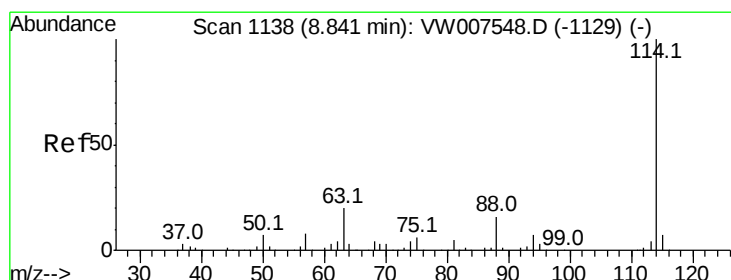
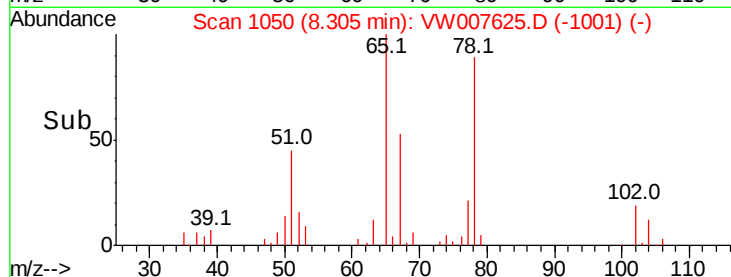
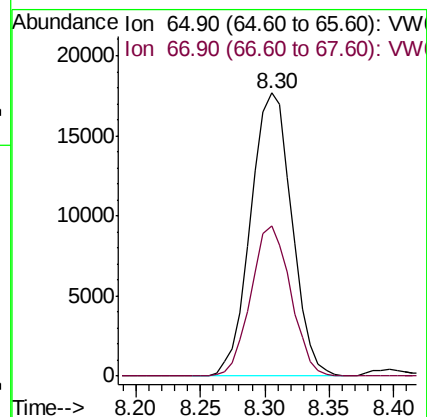
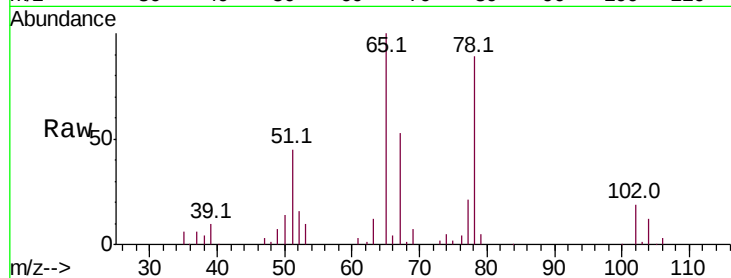
67 51.4 0.0 101.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

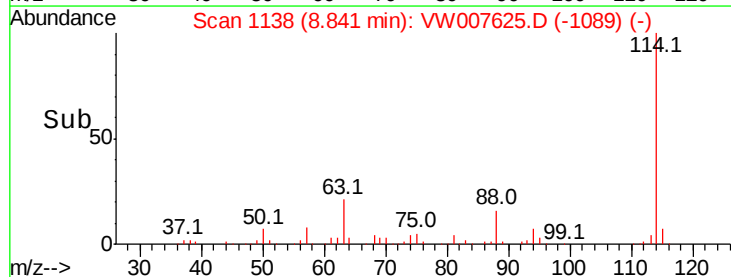
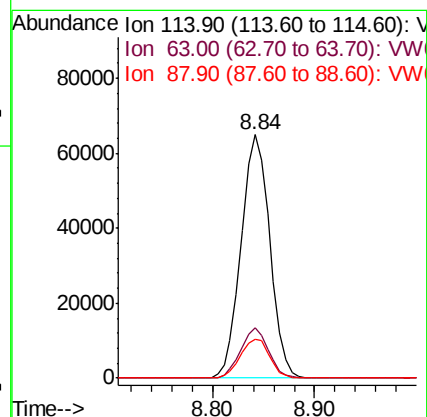
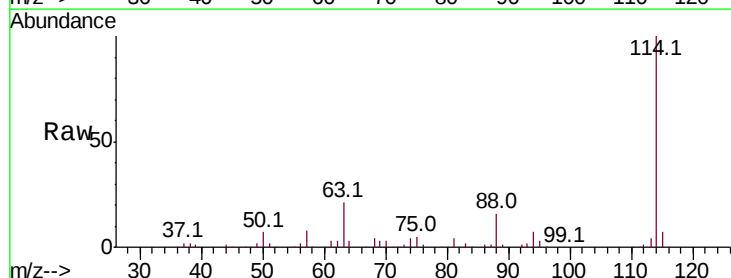
Tgt Ion: 114 Resp: 126576

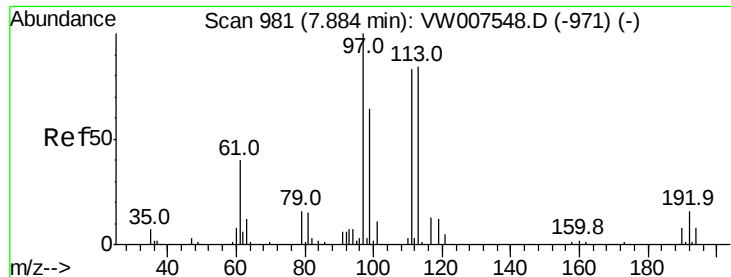
Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.583 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

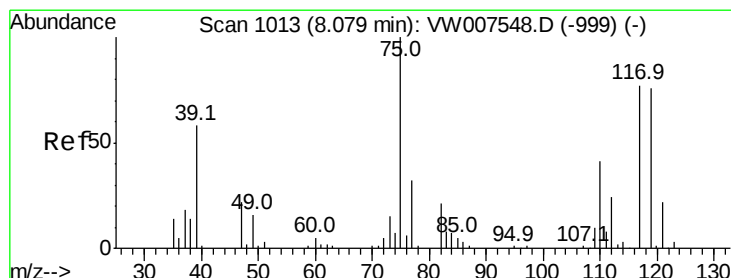
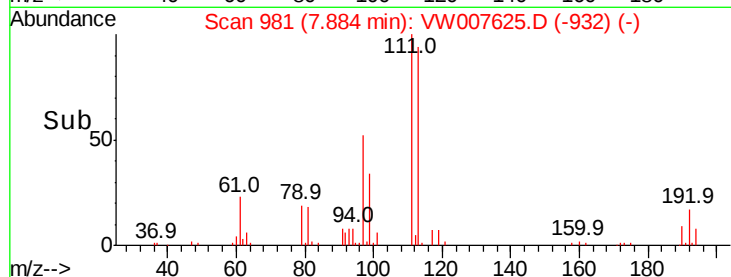
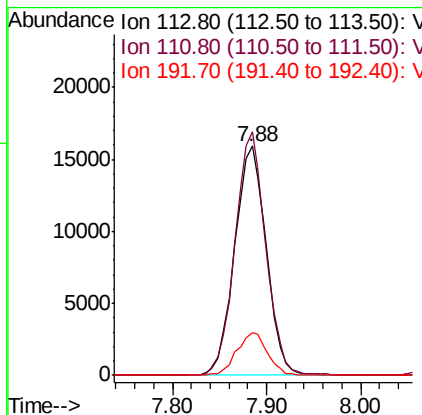
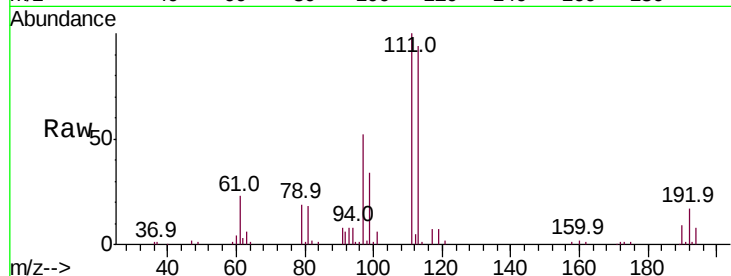
ClientSampleId :

VW1219SBS01

Tot Ion:	113	Resp:	37225
Ion Ratio	Lower	Upper	
113	100		
111	102.9	81.1	121.7
192	18.1	14.6	21.8

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#36

1,1-Dichloropropene

Concen: 24.036 ug/l

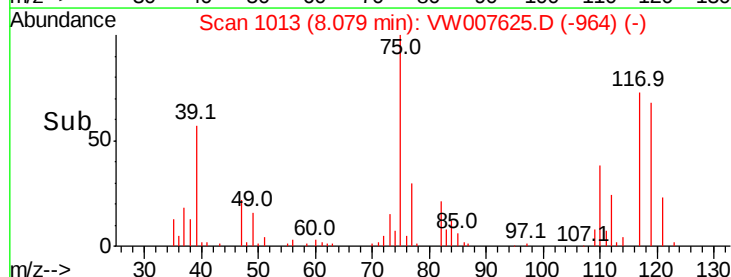
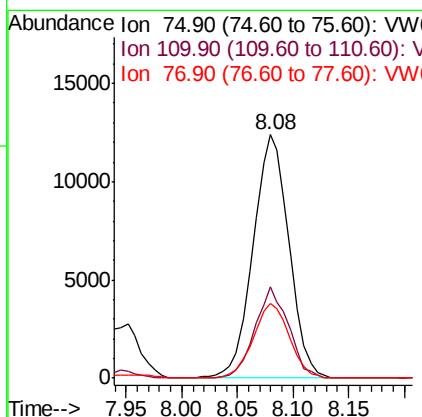
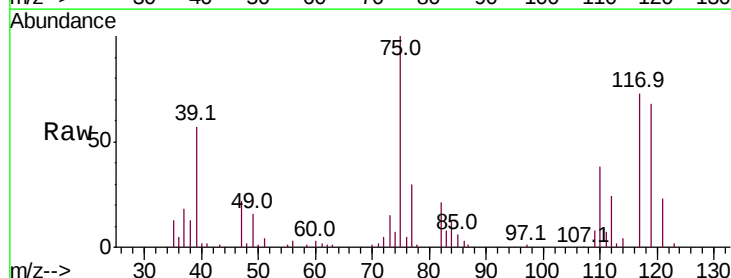
RT: 8.08 min Scan# 1013

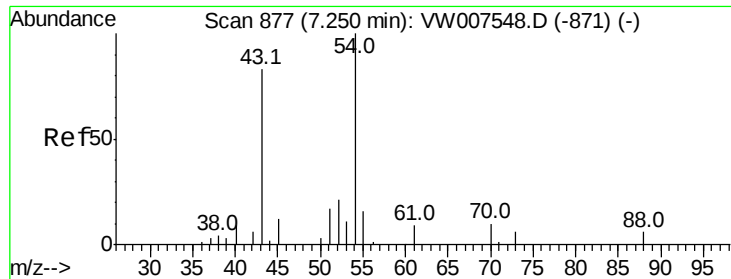
Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Tgt Ion:	75	Resp:	27754
Ion Ratio	Lower	Upper	
75	100		
110	35.1	18.5	55.5
77	30.9	25.6	38.4





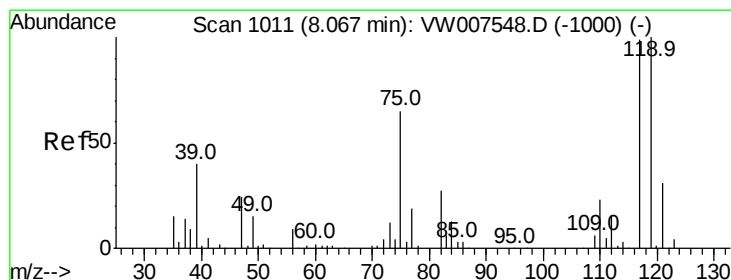
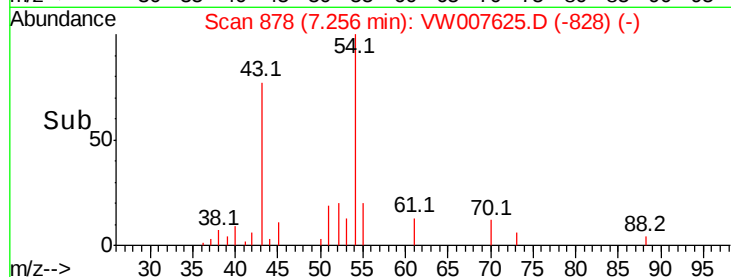
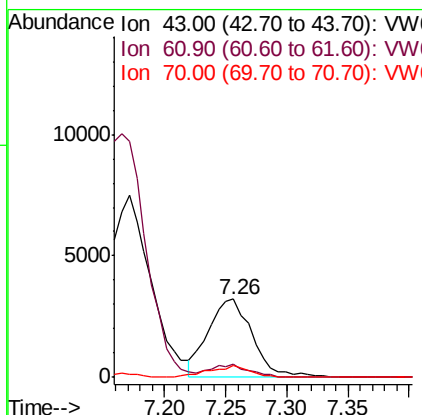
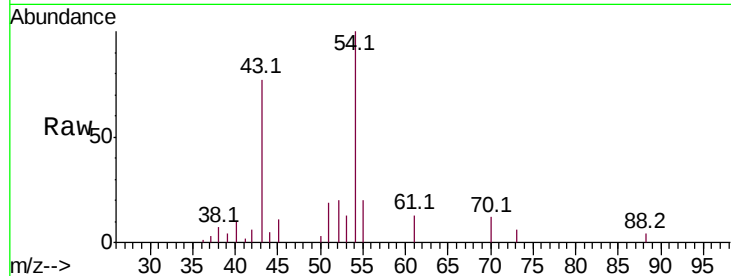
#37
Ethyl Acetate
Concen: 18.907 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.1	18.1
70	13.6	10.0	15.0

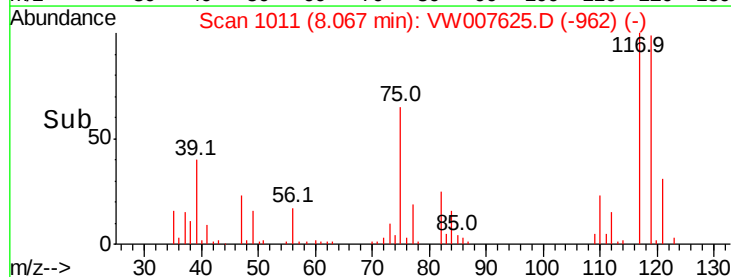
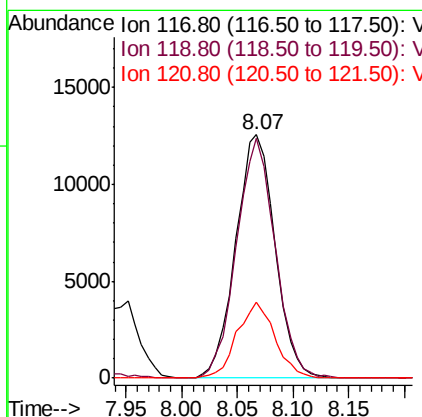
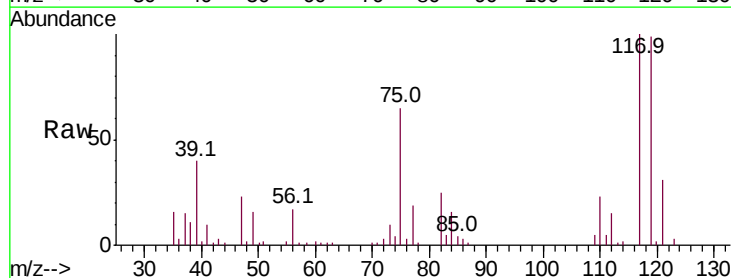
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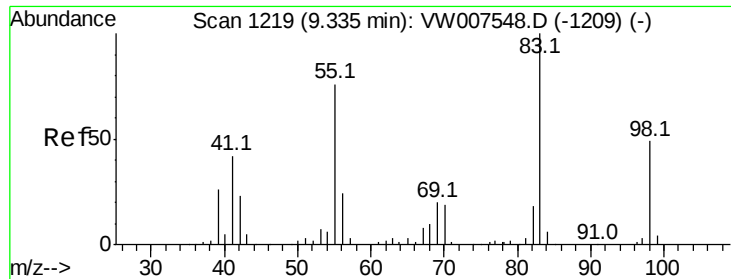
sam
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#38
Carbon Tetrachloride
Concen: 24.570 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.7	74.3	111.5
121	31.3	24.3	36.5





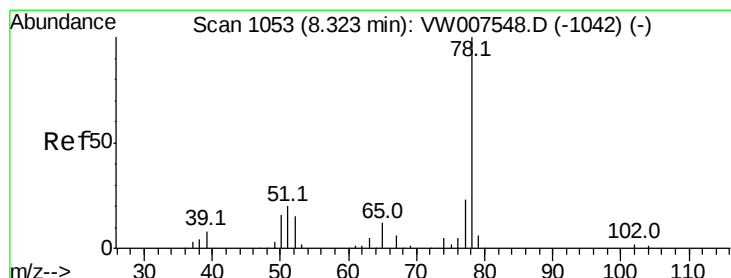
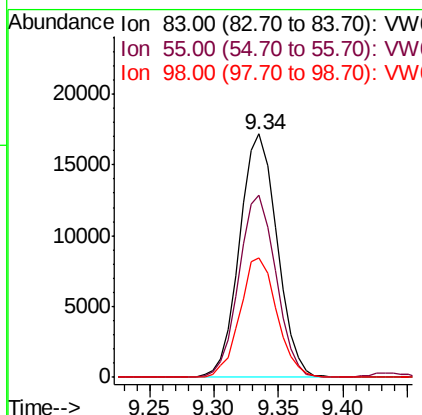
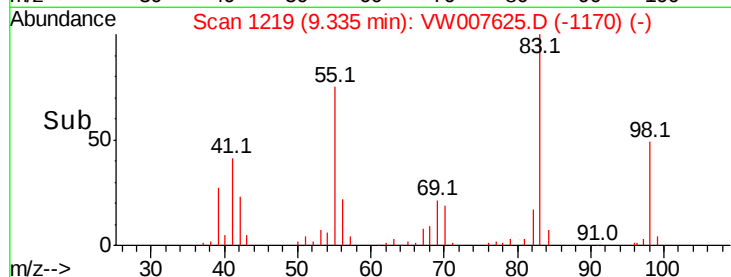
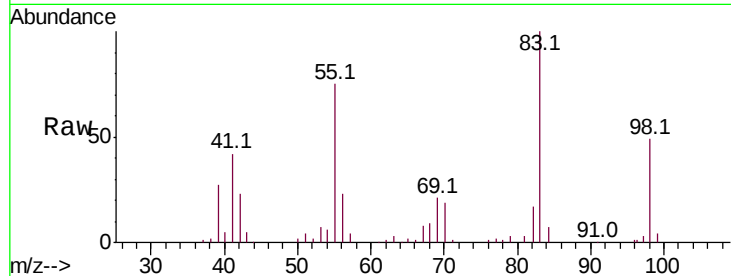
#39
Methvlcvclohexane
Concen: 24.872 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	83	Resp	34776
Ion Ratio	100	Lower	Upper
83	100		
55	74.7	62.8	94.2
98	49.1	42.2	63.2

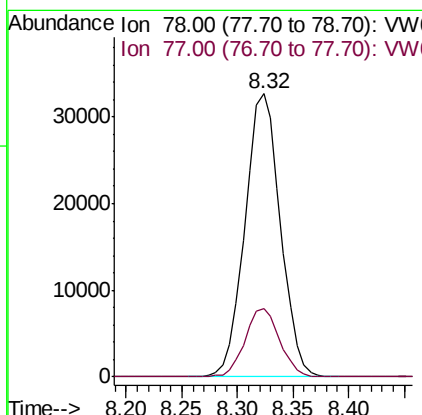
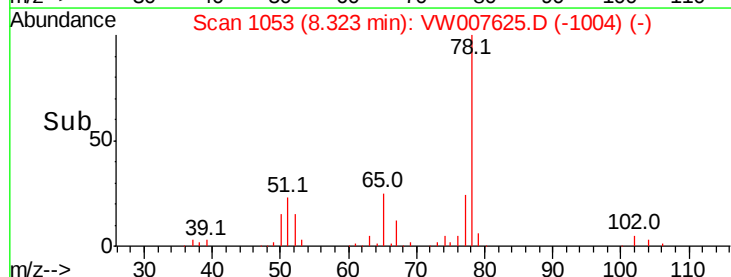
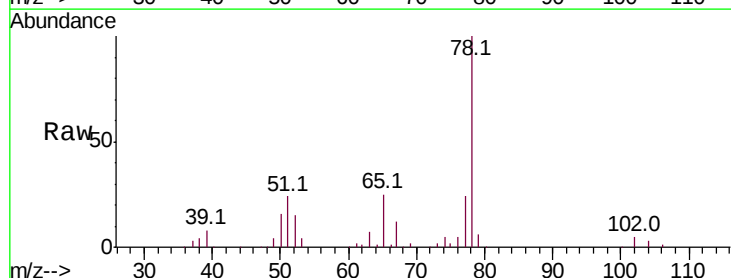
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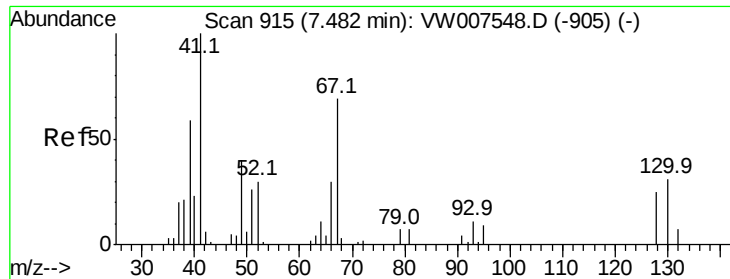
sam
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#40
Benzene
Concen: 22.549 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	78	Resp	72257
Ion Ratio	100	Lower	Upper
78	100		
77	24.1	18.8	28.2





#41

Methacrylonitrile

Concen: 17.865 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 41 Resp: 4369

Ion Ratio Lower Upper

41 100

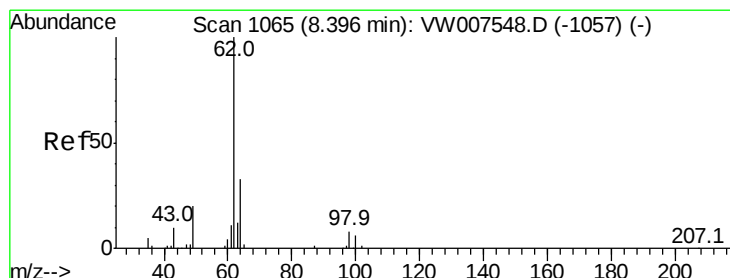
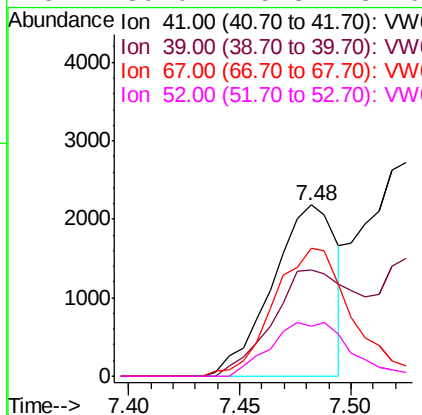
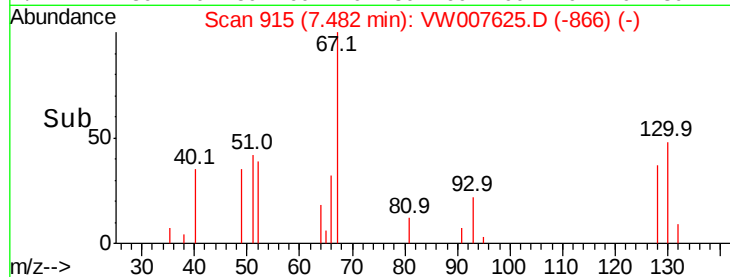
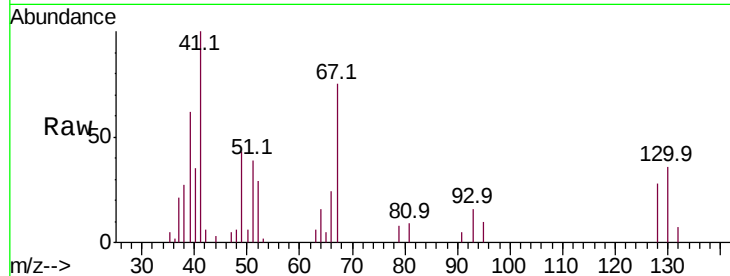
39 80.9 52.2 78.2#

67 89.4 60.5 90.7

52 39.0 25.3 37.9#

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#42

1,2-Dichloroethane

Concen: 22.046 ug/l

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW007625.D

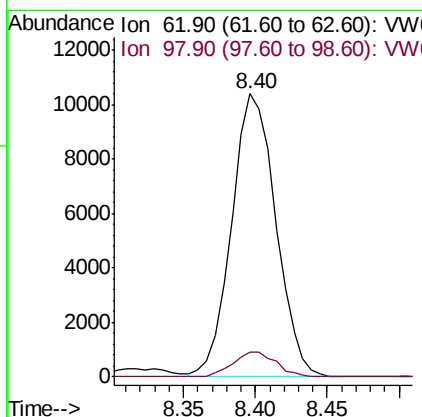
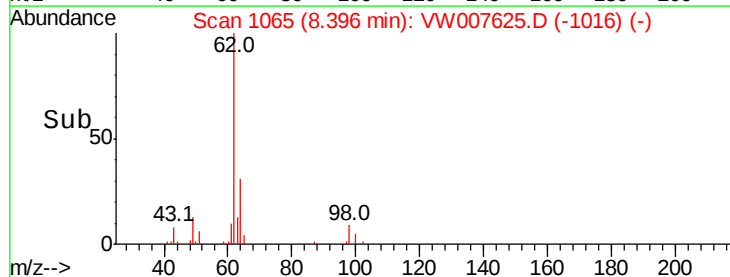
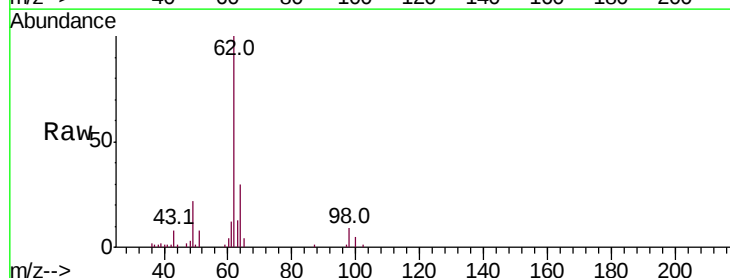
Acq: 17 Dec 2018 12:31

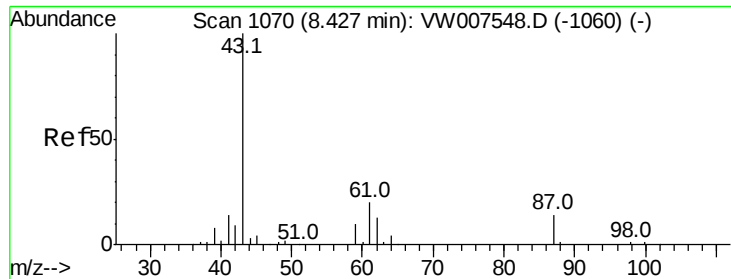
Tgt Ion: 62 Resp: 22191

Ion Ratio Lower Upper

62 100

98 8.6 0.0 17.6





#43

Isopropyl Acetate

Concen: 20.267 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

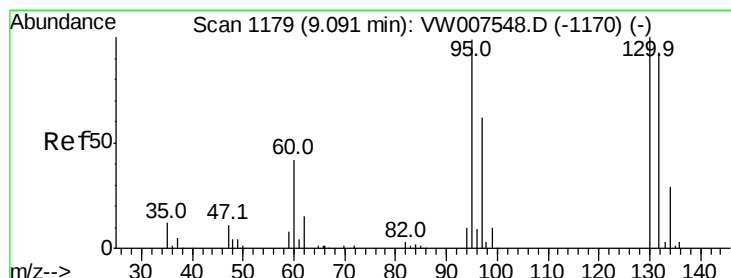
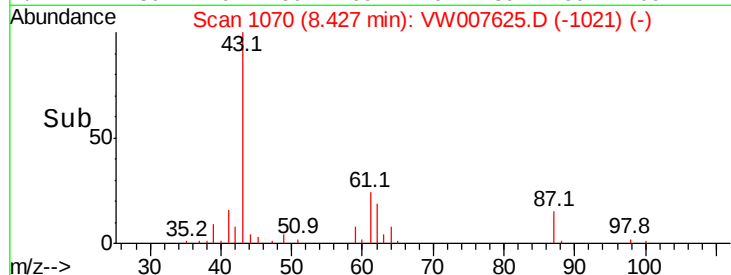
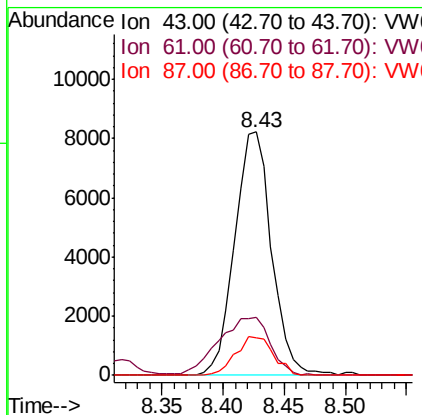
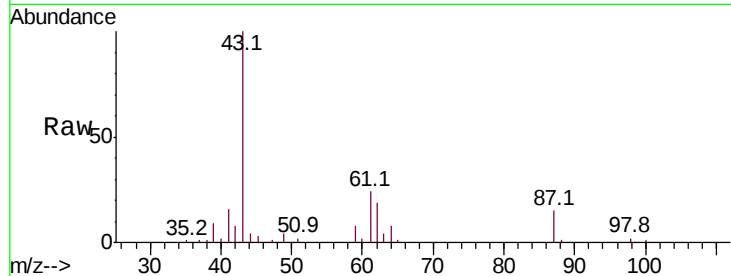
ClientSampleId :

VW1219SBS01

Tot Ion:	43	Resp:	17193
Ion	Ratio	Lower	Upper
43	100		
61	33.4	25.3	37.9
87	16.1	11.8	17.8

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#44

Trichloroethene

Concen: 23.308 ug/l

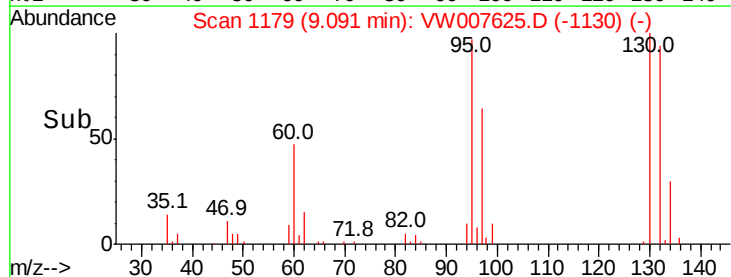
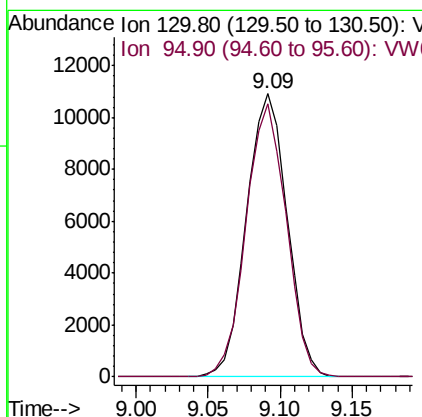
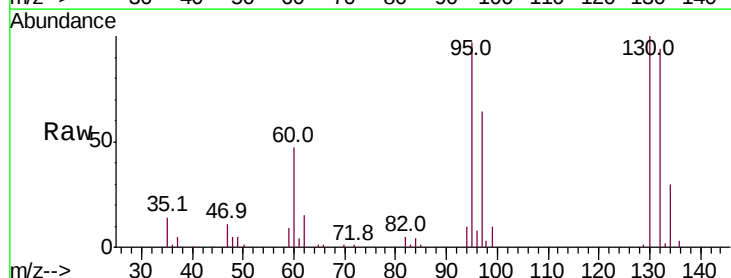
RT: 9.09 min Scan# 1179

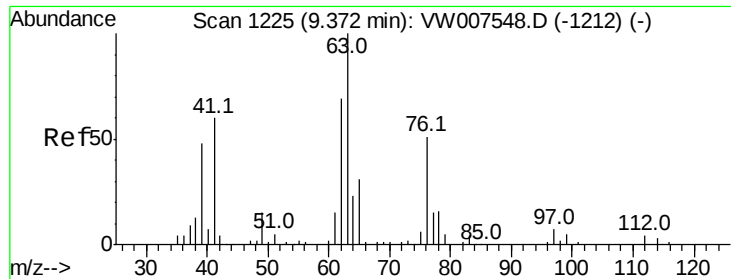
Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Tgt Ion:	130	Resp:	21328
Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	193.2





#45

1,2-Dichloropropane

Concen: 21.954 ug/l

RT: 9.37 min Scan# 1225

Delta R.T. 0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 63 Resp: 16280

Ion Ratio Lower Upper

63 100

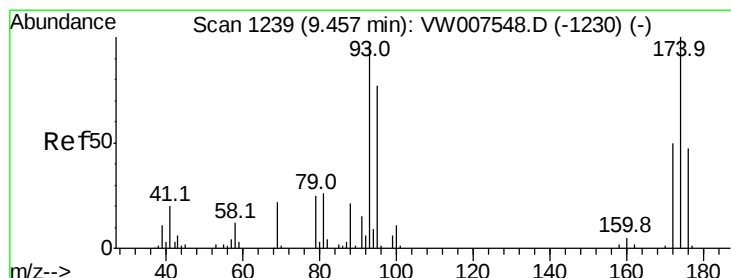
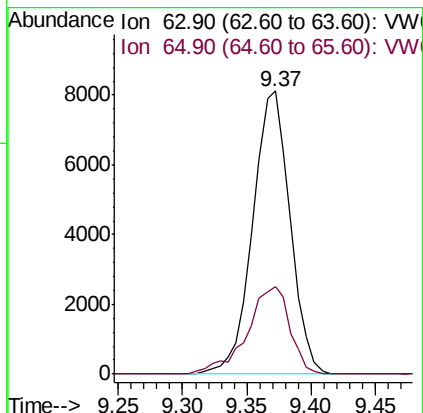
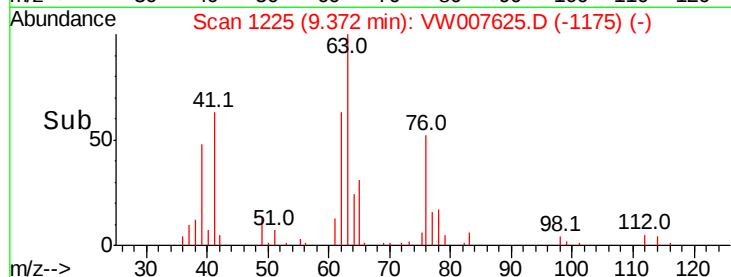
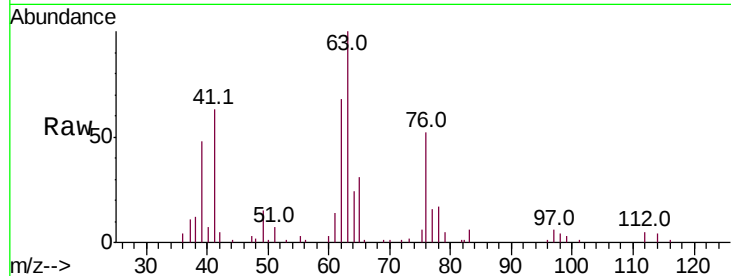
65 31.1 24.4 36.6

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#46

Dibromomethane

Concen: 22.308 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

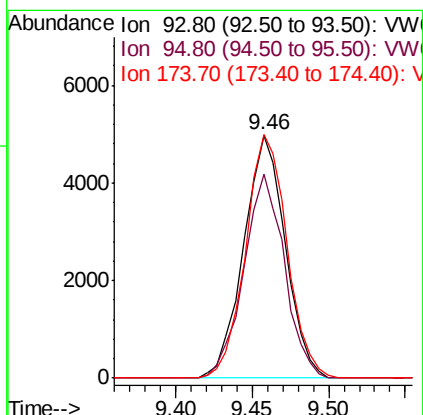
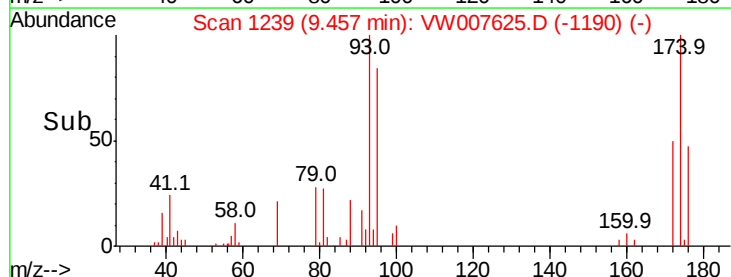
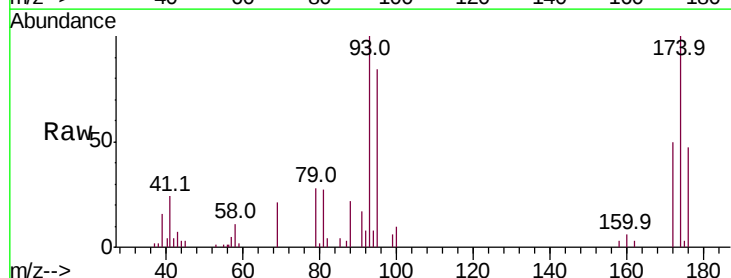
Tgt Ion: 93 Resp: 9394

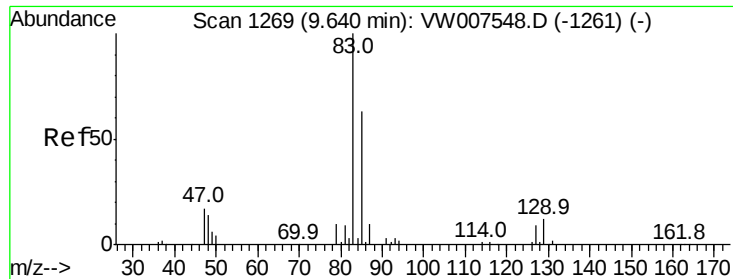
Ion Ratio Lower Upper

93 100

95 81.9 68.0 102.0

174 100.0 83.2 124.8





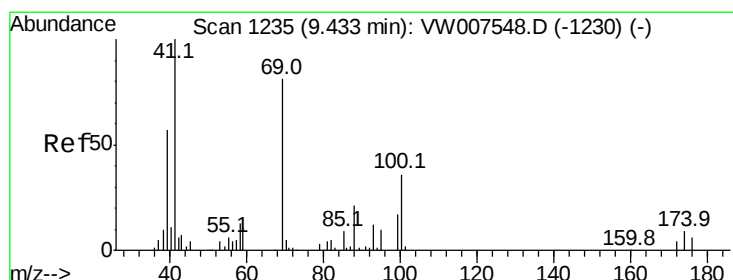
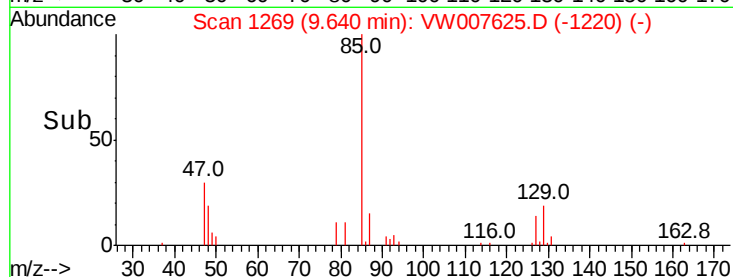
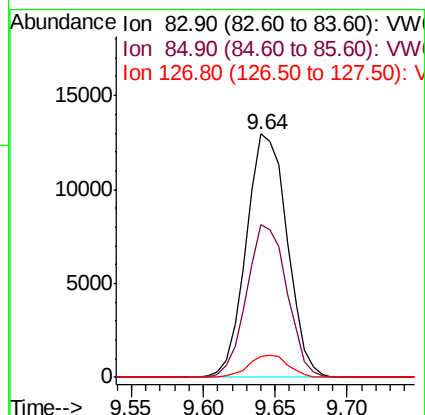
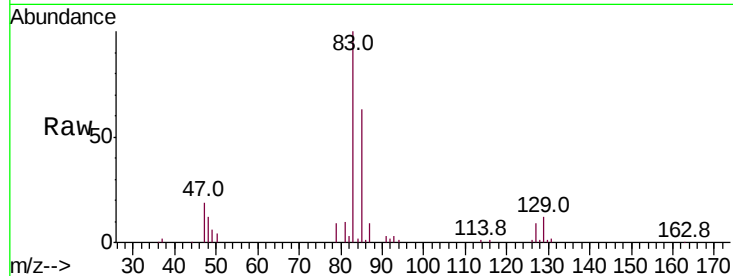
#47
Bromodichloromethane
Concen: 23.116 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	62.7	47.6	71.4	
127	8.7	6.7	10.1	

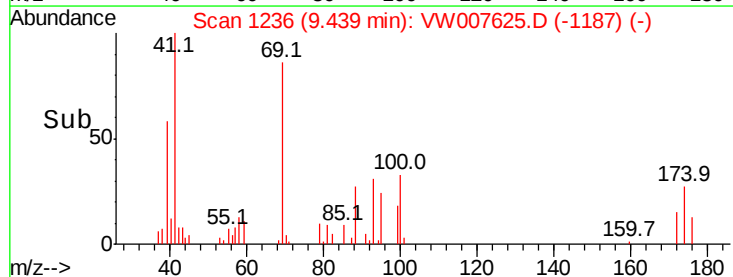
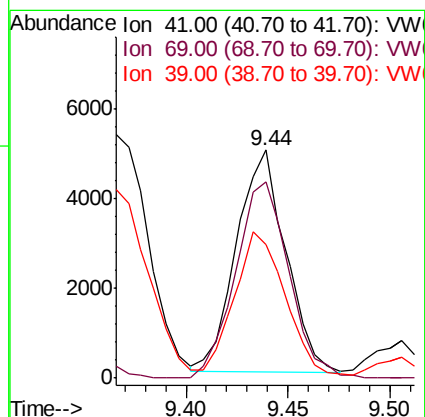
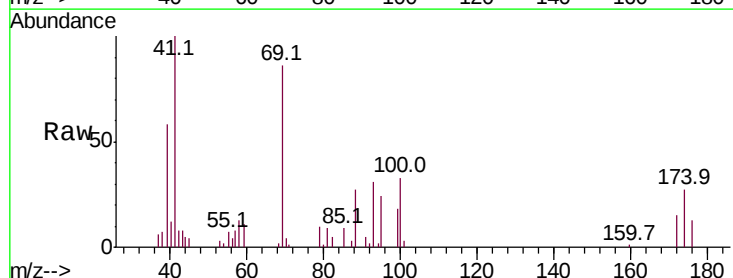
Manual Integrations
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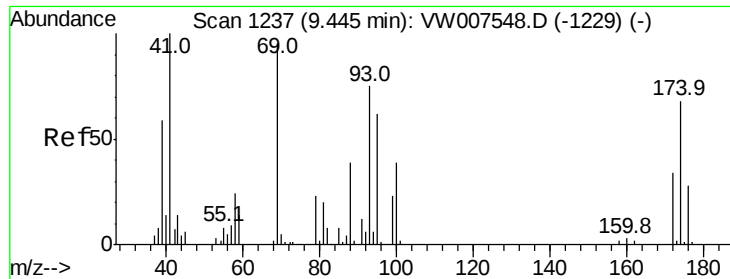
sam
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#48
Methyl methacrylate
Concen: 19.149 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	95.1	69.8	104.8	
39	65.3	50.9	76.3	





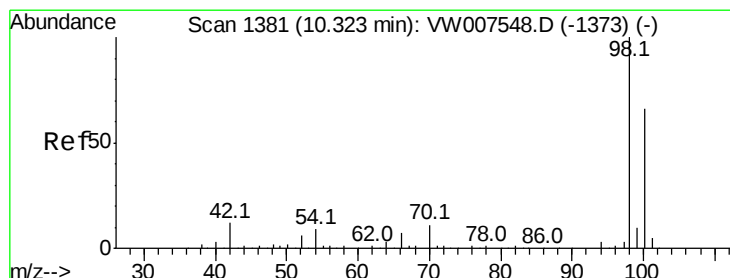
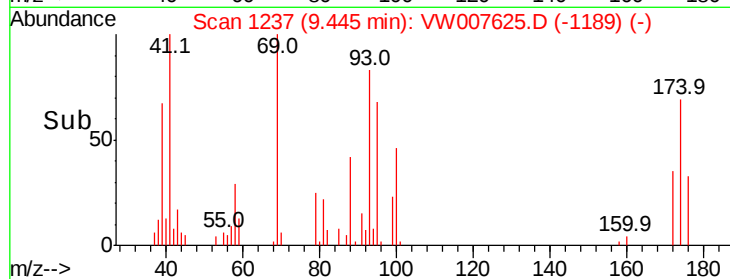
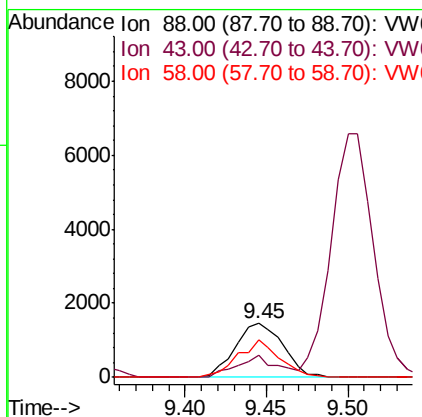
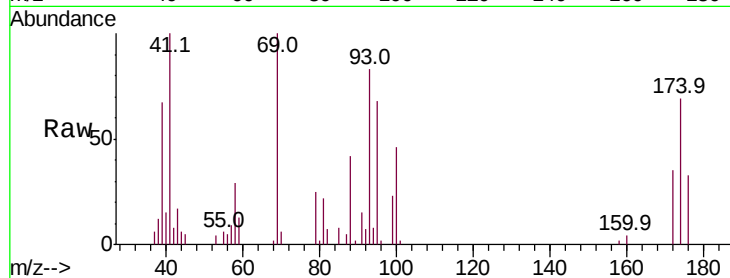
#49
1,4-Dioxane
Concen: 435.401 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.7	25.0	37.4
58	61.1	51.4	77.2

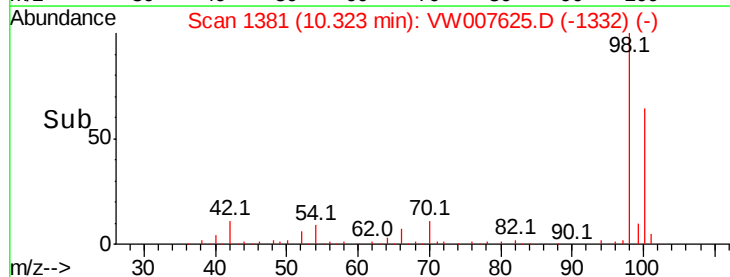
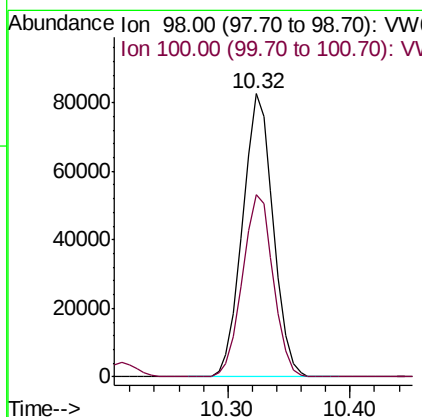
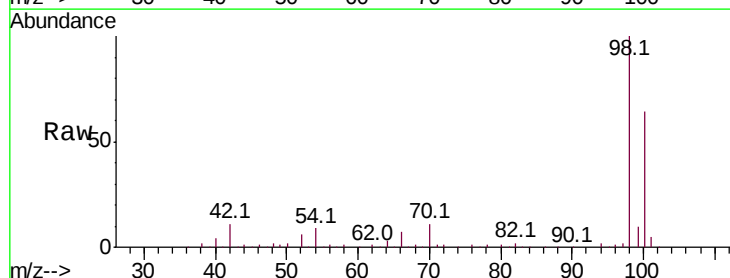
Manual Integrations
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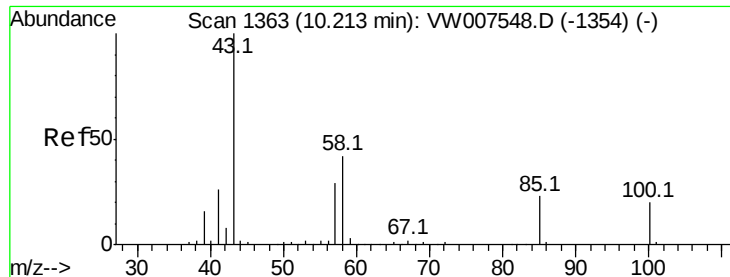
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#50
Toluene-d8
Concen: 49.838 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 100.207 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleID :

VW1219SBS01

Tot Ion: 43 Resp: 40166

Ion Ratio Lower Upper

43 100

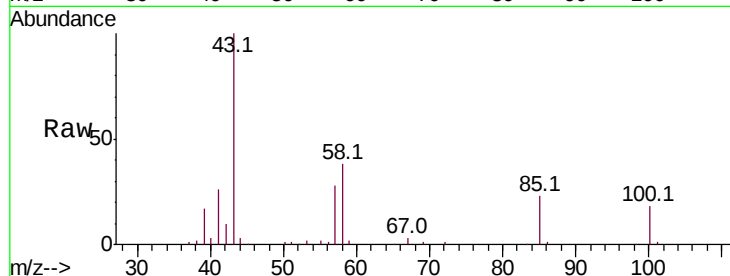
58 39.1 33.1 49.7

Manual Integrations

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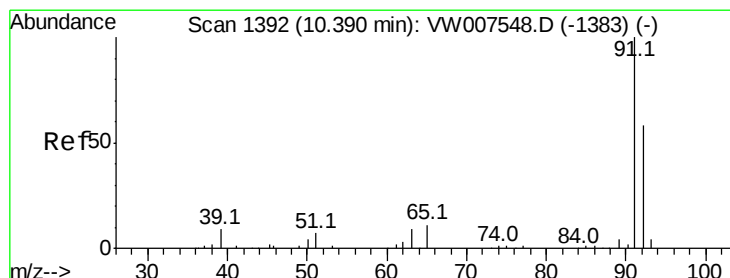
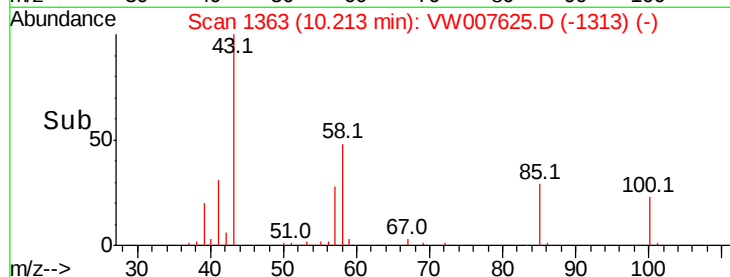
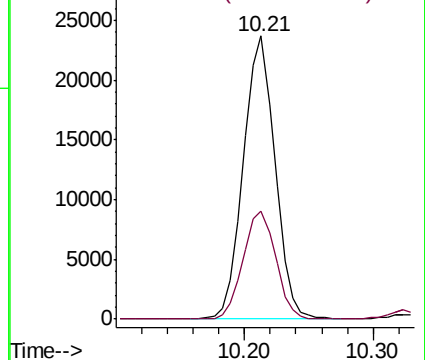
sam

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 23.205 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW007625.D

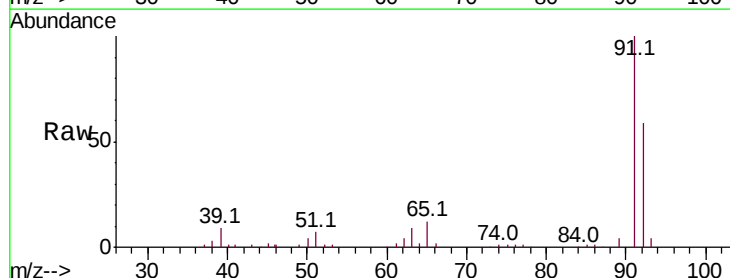
Acq: 17 Dec 2018 12:31

Tgt Ion: 92 Resp: 48120

Ion Ratio Lower Upper

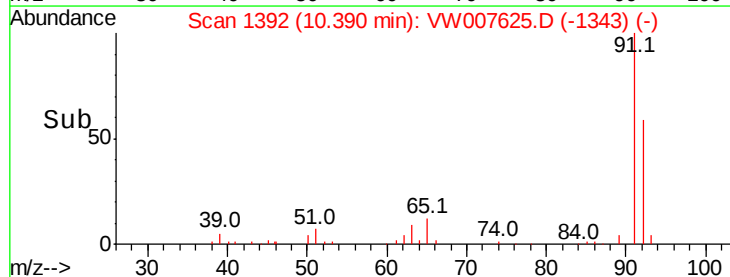
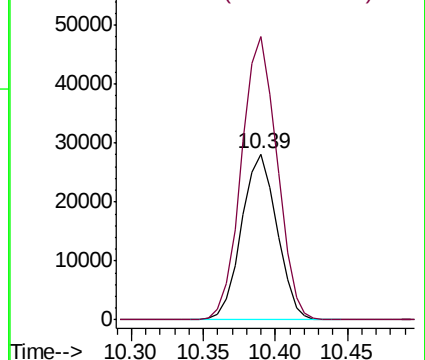
92 100

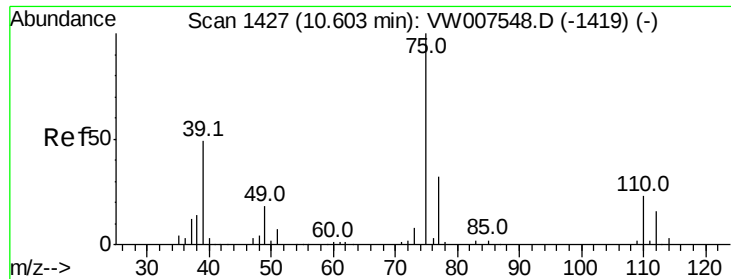
91 171.5 136.2 204.2



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW





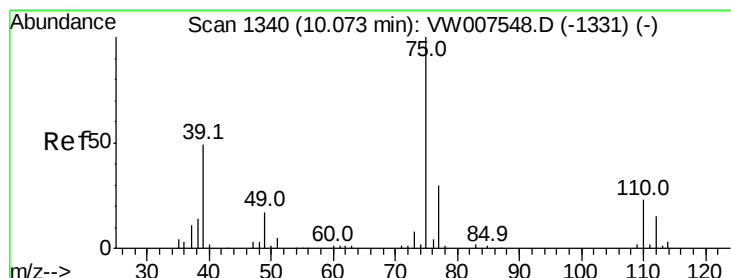
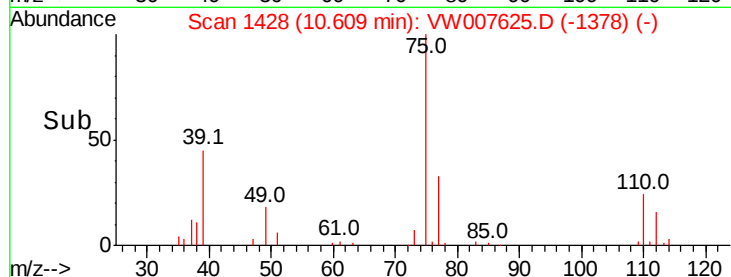
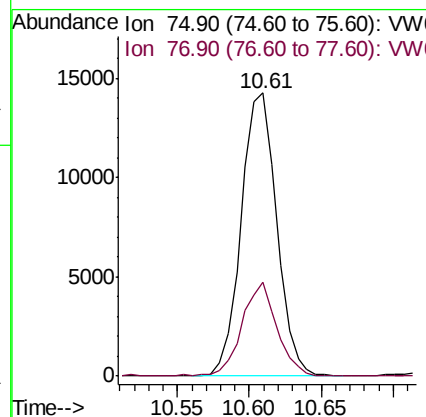
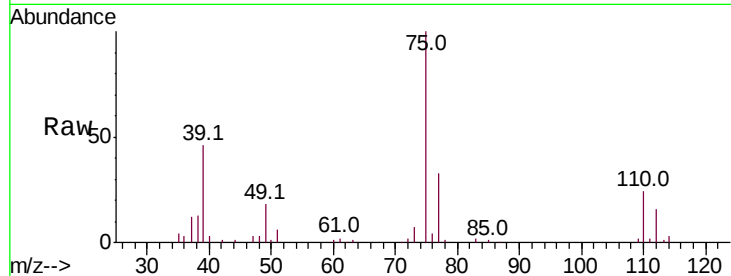
#53
 t-1,3-Dichloropropene
 Concen: 22.735 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion: 75 Resp: 24380
 Ion Ratio Lower Upper
 75 100
 77 33.3 26.2 39.4

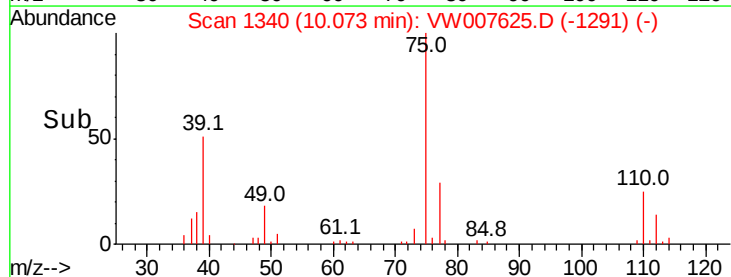
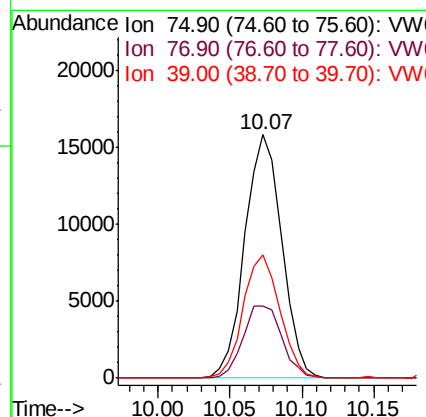
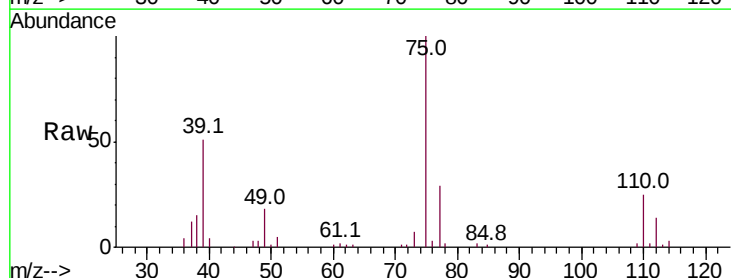
Manual Integrations
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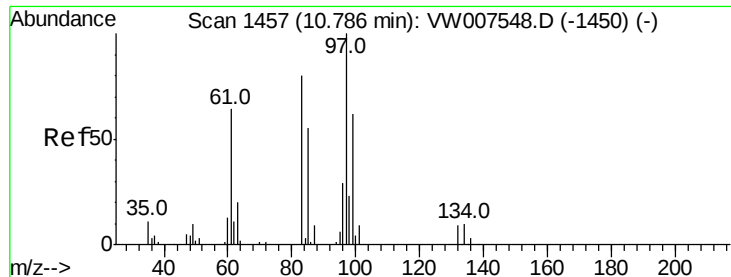
sam
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#54
 cis-1,3-Dichloropropene
 Concen: 22.694 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Tgt Ion: 75 Resp: 28133
 Ion Ratio Lower Upper
 75 100
 77 29.4 24.8 37.2
 39 50.5 40.9 61.3





#55

1,1,2-Trichloroethane

Concen: 21.934 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion: 97 Resp: 12571

Ion Ratio Lower Upper

97 100

83 80.6 62.1 93.1

85 52.6 44.2 66.4

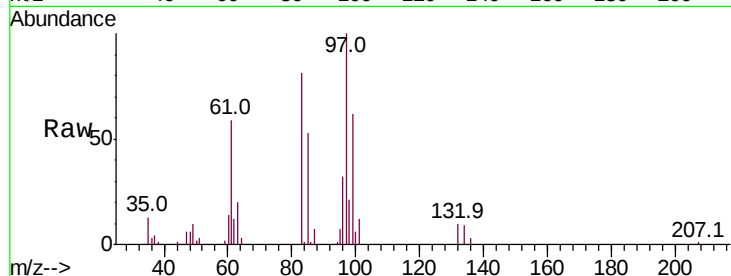
99 61.6 50.2 75.4

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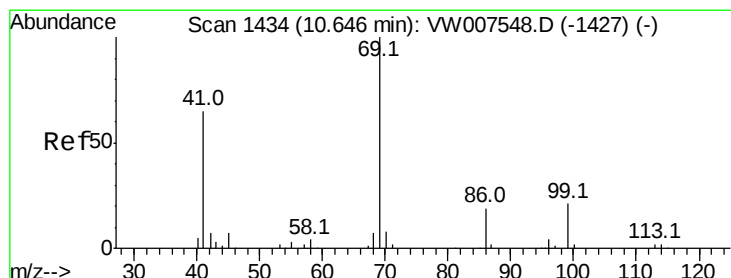
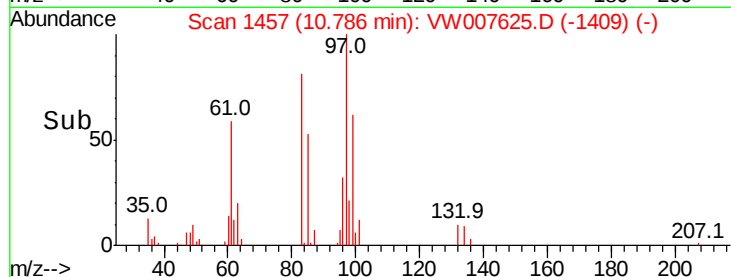
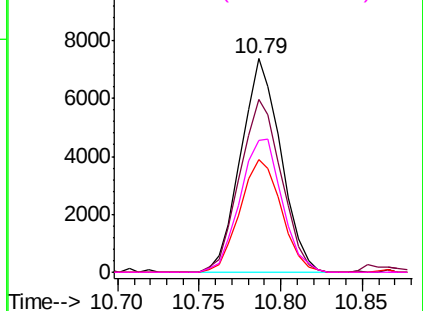
Abundance

Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.065 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

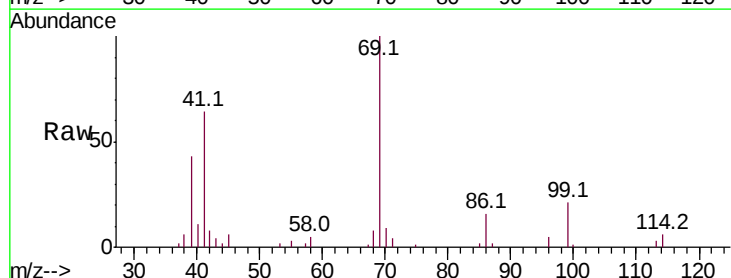
Tgt Ion: 69 Resp: 14511

Ion Ratio Lower Upper

69 100

41 64.1 51.0 76.6

39 34.2 30.8 46.2

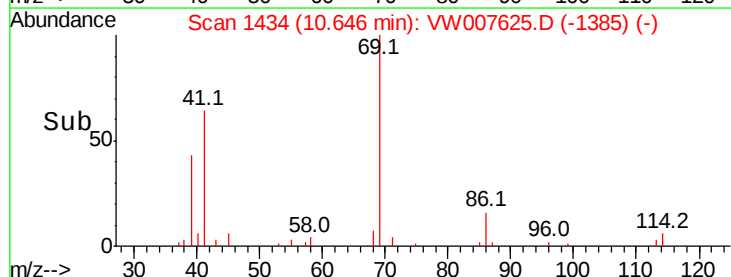
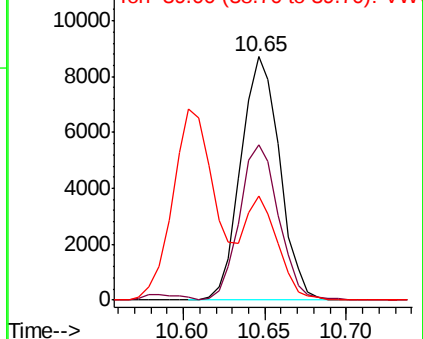


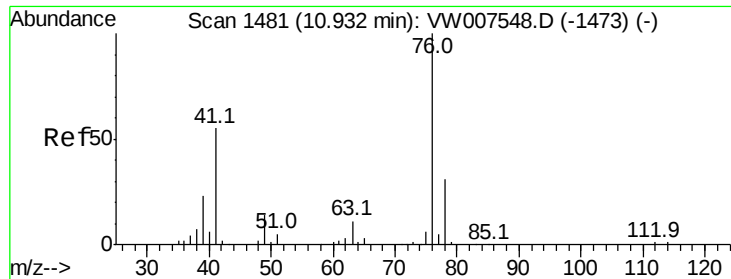
Abundance

Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 23.007 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampled :

VW1219SBS01

Tot Ion: 76 Resp: 21643

Ion Ratio Lower Upper

76 100

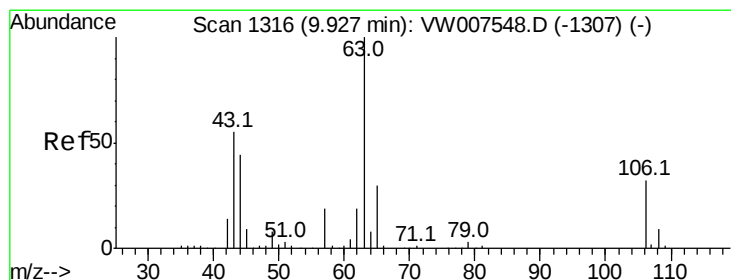
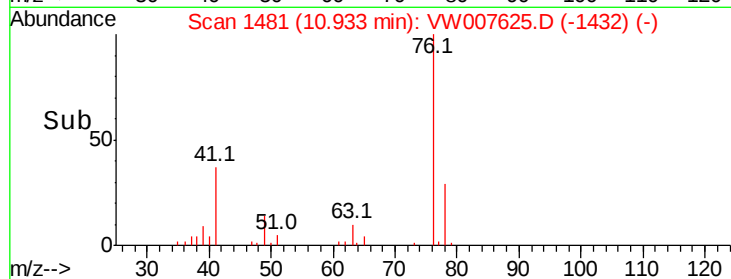
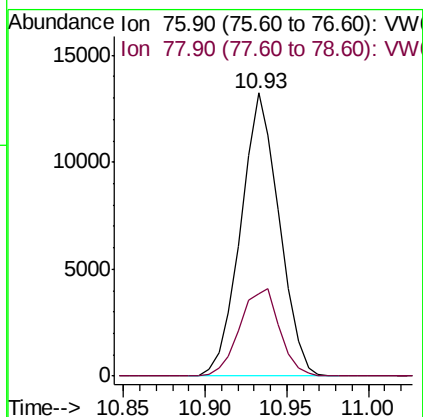
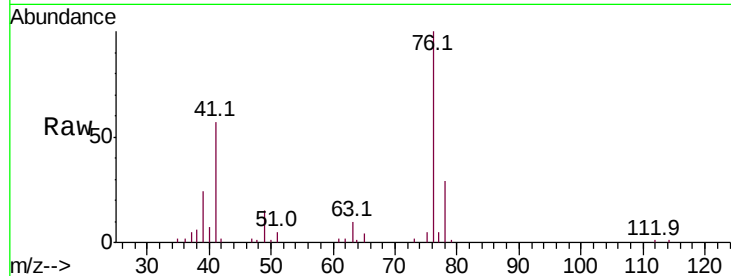
78 32.2 26.2 39.4

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#58

2-Chloroethyl Vinyl ether

Concen: 105.233 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW007625.D

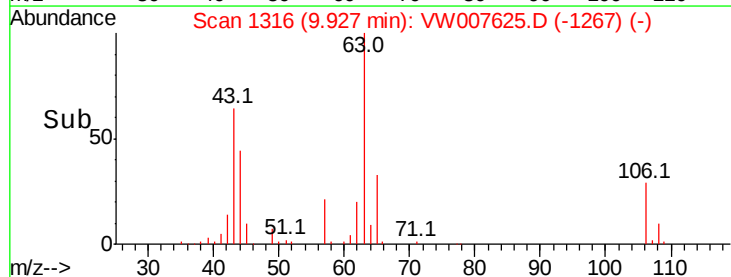
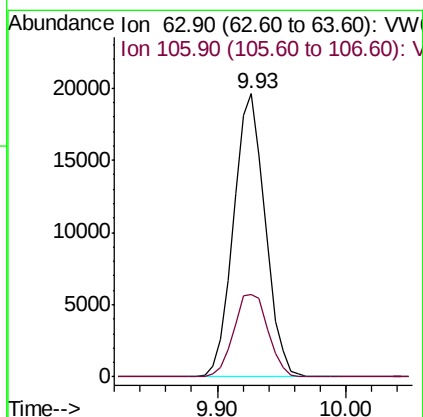
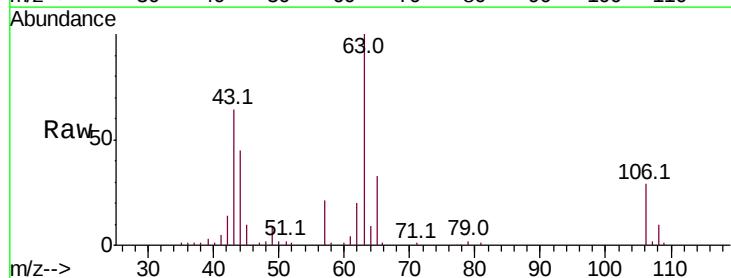
Acq: 17 Dec 2018 12:31

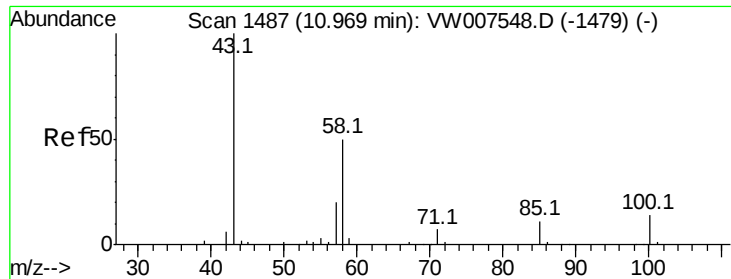
Tgt Ion: 63 Resp: 33430

Ion Ratio Lower Upper

63 100

106 31.5 25.0 37.6





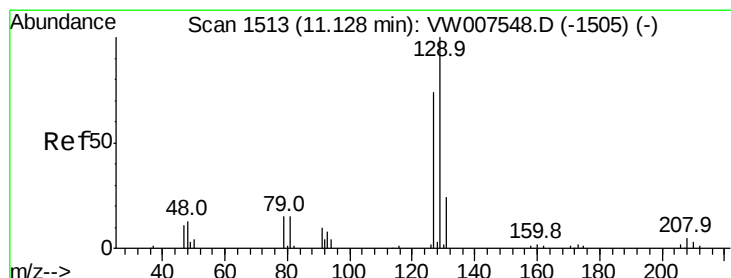
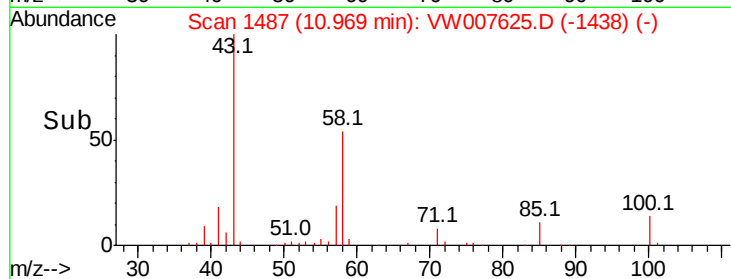
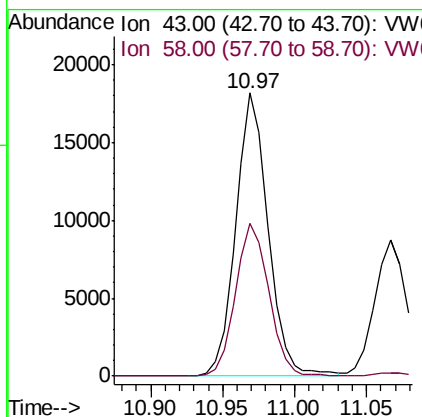
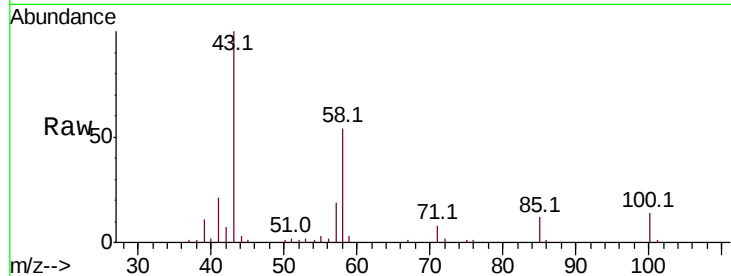
#59
2-Hexanone
Concen: 106.116 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion: 43 Resp: 28362
Ion Ratio Lower Upper
43 100
58 55.5 27.1 81.3

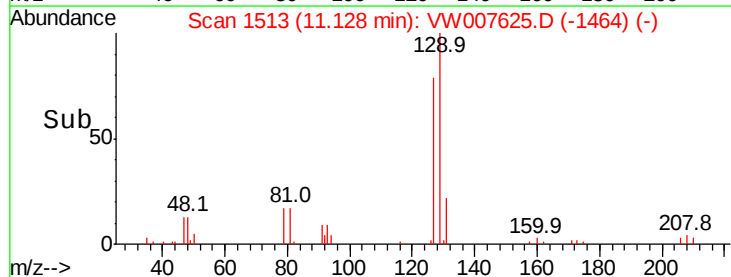
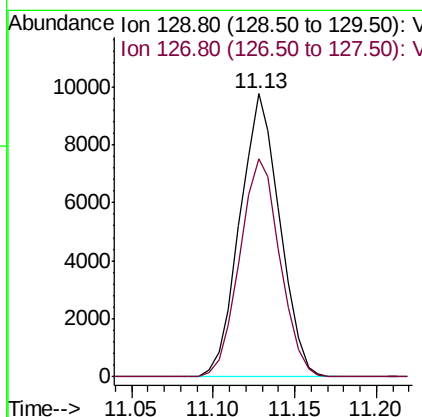
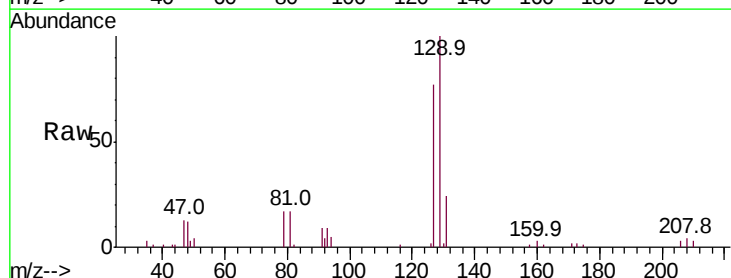
Manual Integrations
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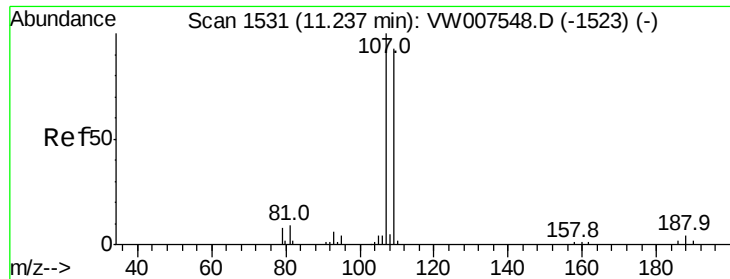
sam
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#60
Dibromochloromethane
Concen: 22.884 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion:129 Resp: 16552
Ion Ratio Lower Upper
129 100
127 77.6 38.1 114.3





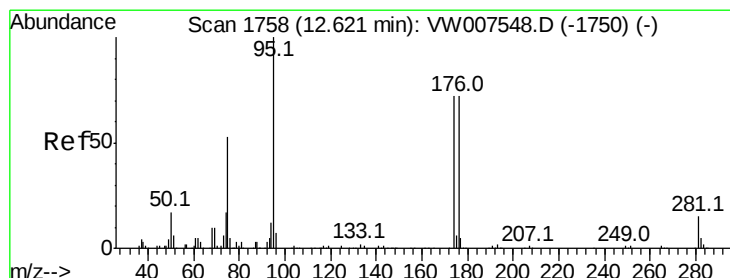
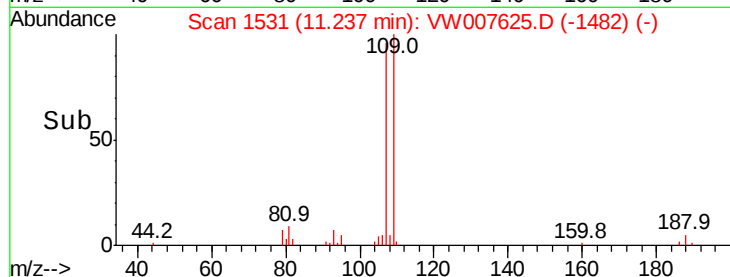
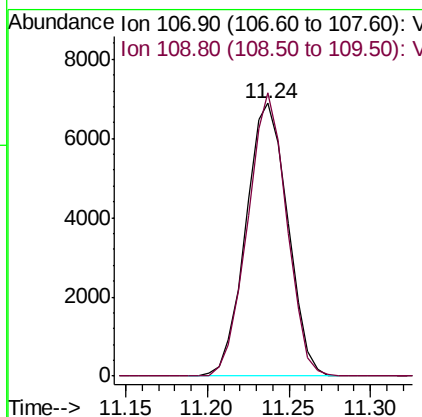
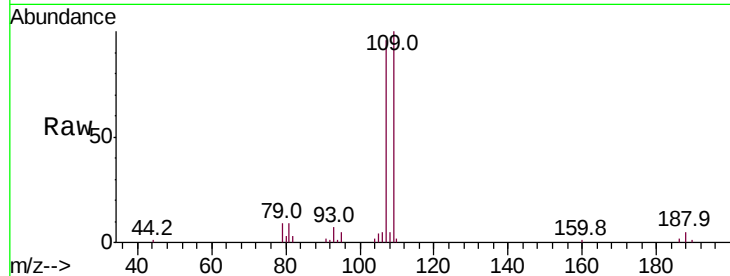
#61
 1,2-Dibromoethane
 Concen: 21.718 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	96.7	79.1	118.7

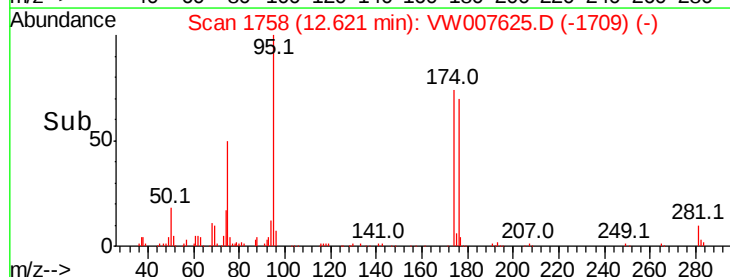
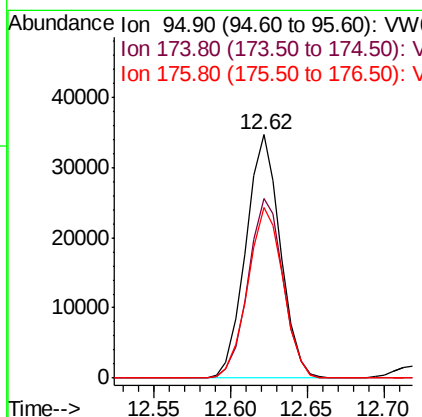
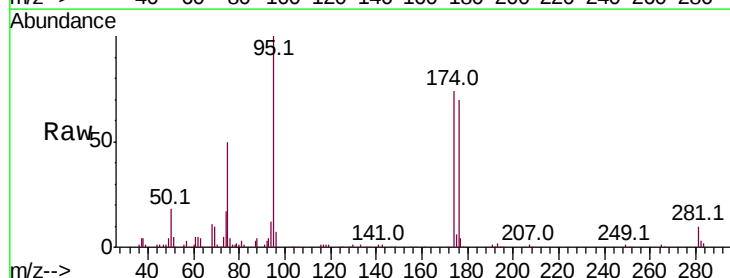
Manual Integrations
 APPROVED

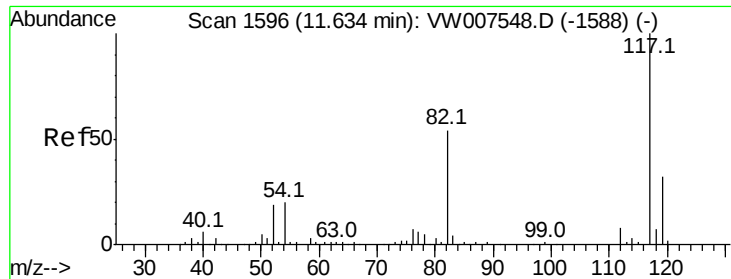
sam
 12/27/2018 8:23:19 AM



#62
 4-Bromofluorobenzene
 Concen: 51.353 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	147.2
176	72.2	0.0	138.8





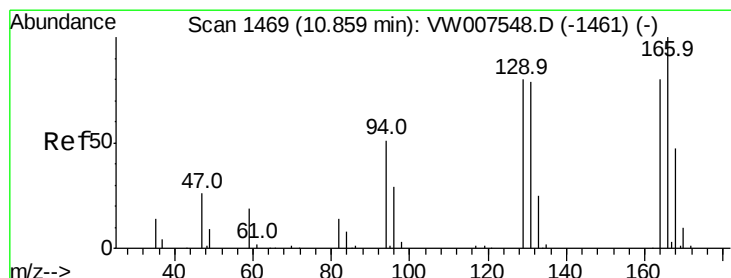
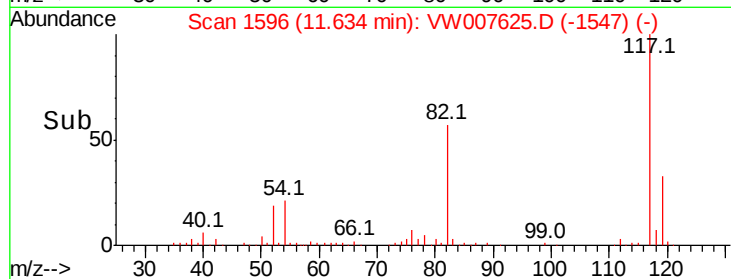
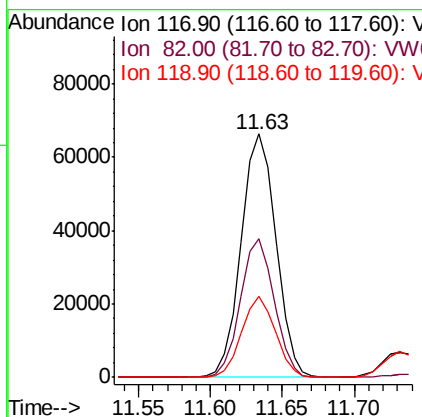
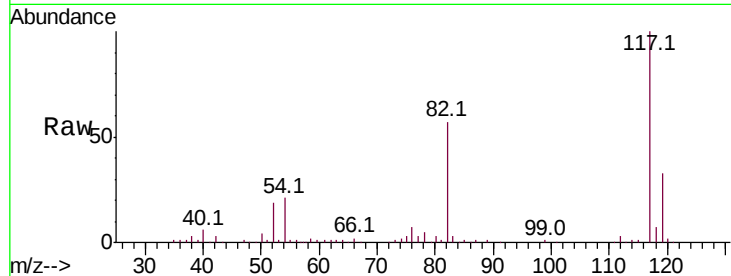
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.0	42.3	63.5
119	33.4	23.0	34.6

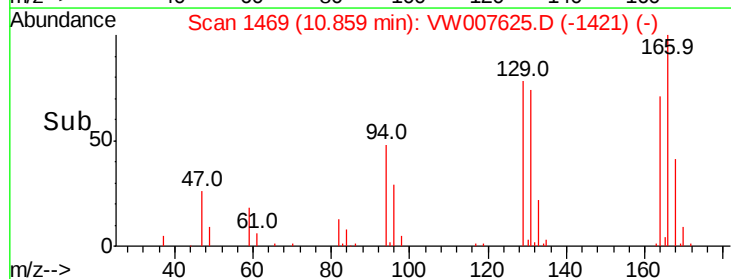
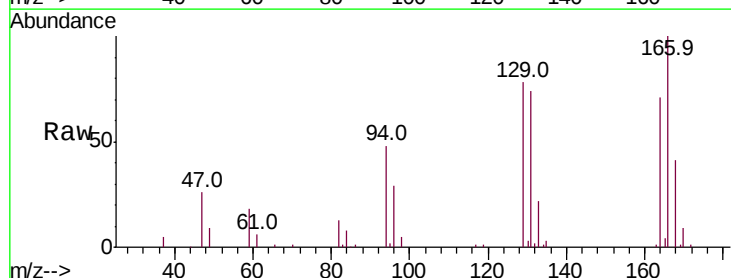
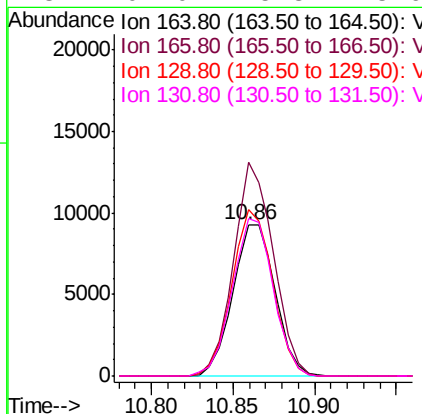
Manual Integrations
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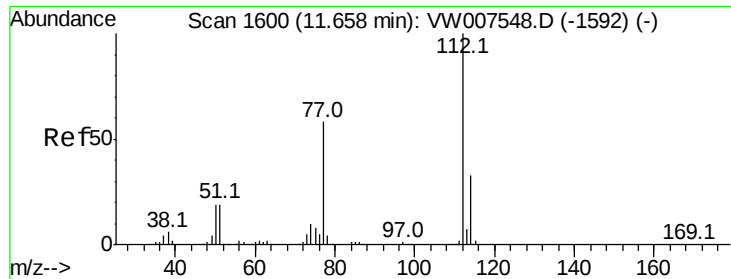
sam
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#64
Tetrachloroethene
Concen: 20.915 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
164	100		
166	140.9	107.9	161.9
129	109.9	73.4	110.2
131	104.0	75.8	113.6





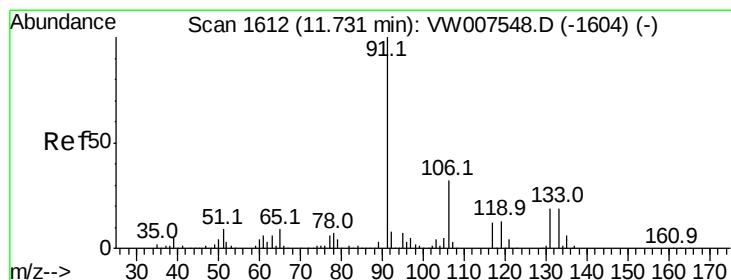
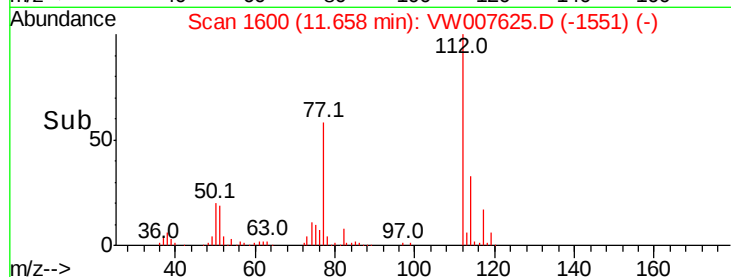
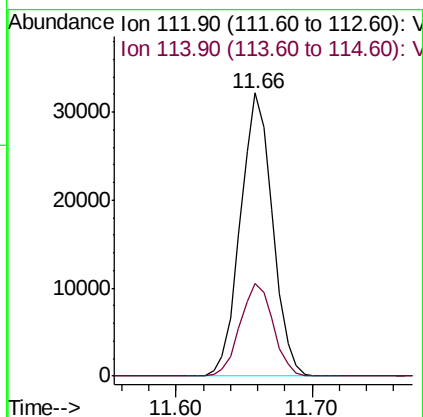
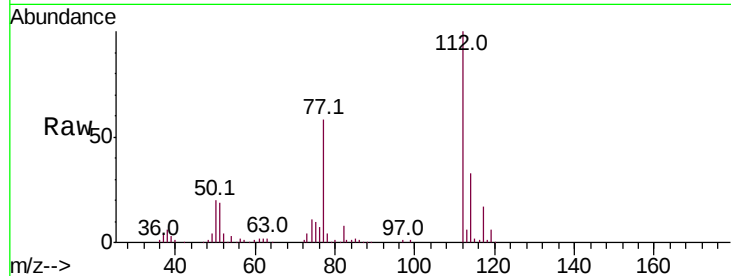
#65
Chlorobenzene
Concen: 22.864 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion:112 Resp: 53025
Ion Ratio Lower Upper
112 100
114 32.9 27.8 41.8

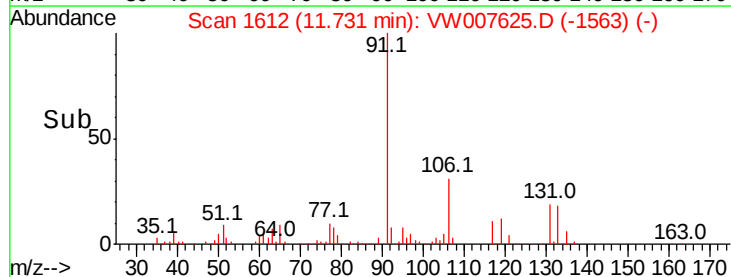
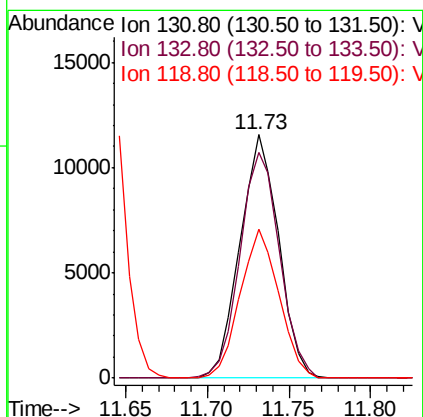
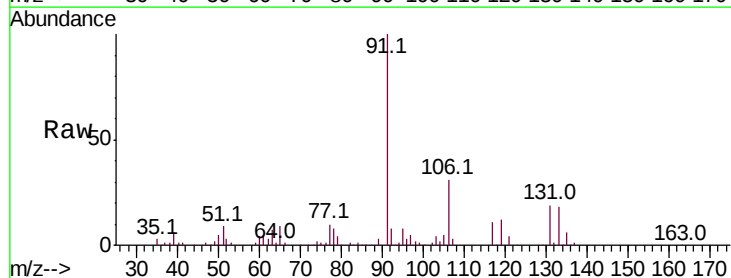
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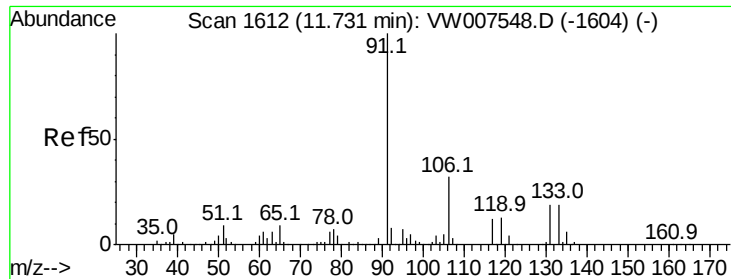
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#66
1,1,1,2-Tetrachloroethane
Concen: 23.303 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion:131 Resp: 19034
Ion Ratio Lower Upper
131 100
133 95.2 47.1 141.4
119 61.6 31.3 93.9





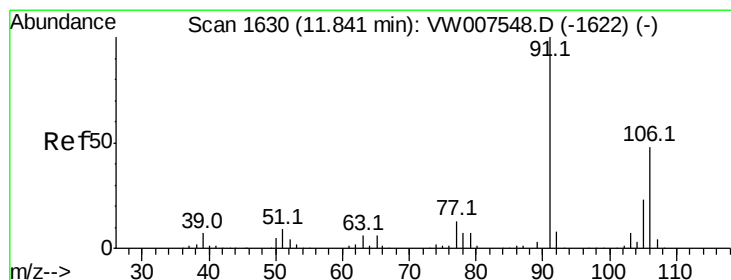
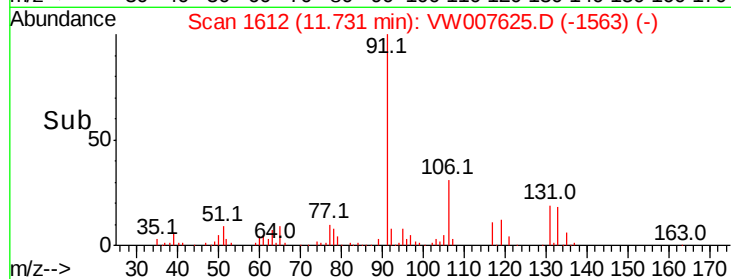
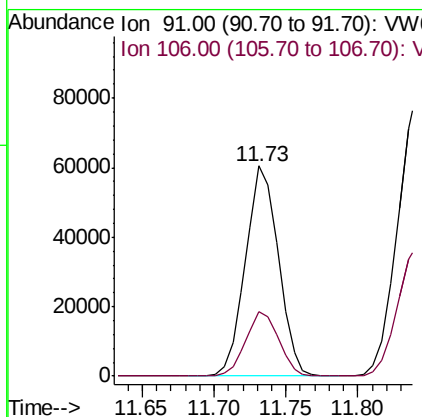
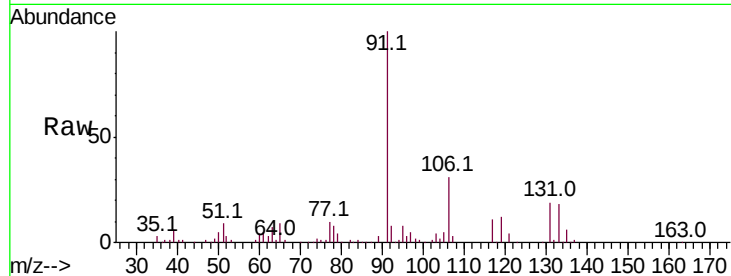
#67
Ethyl Benzene
Concen: 23.927 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion: 91 Resp: 95404
Ion Ratio Lower Upper
91 100
106 30.5 21.8 32.8

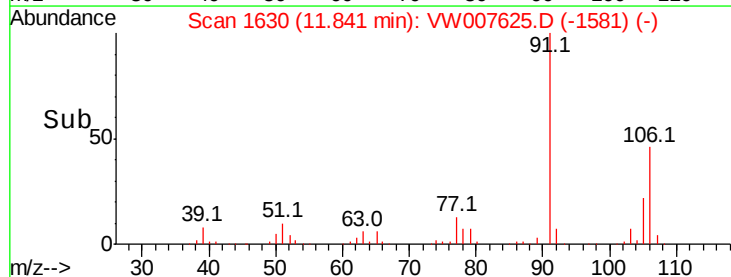
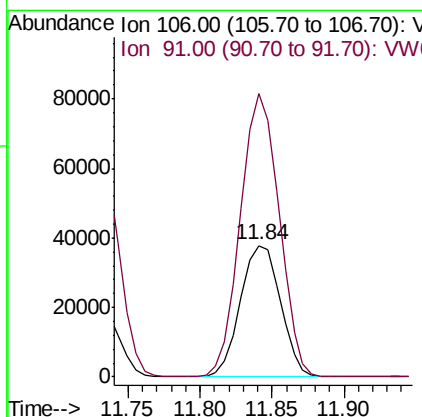
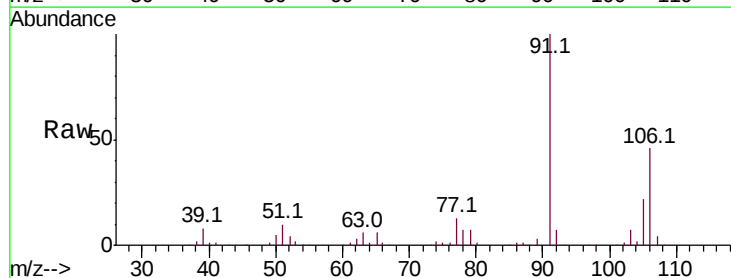
Manual Integrations
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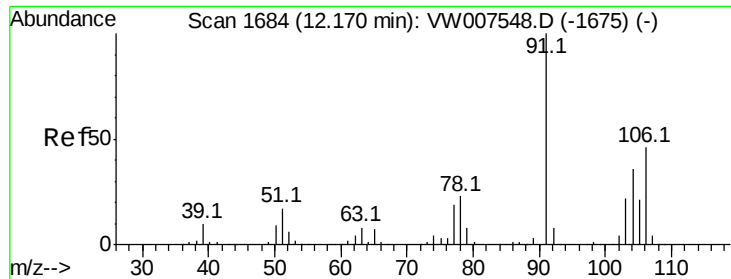
sam
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#68
m/p-Xylenes
Concen: 47.026 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion:106 Resp: 72894
Ion Ratio Lower Upper
106 100
91 209.9 165.3 247.9





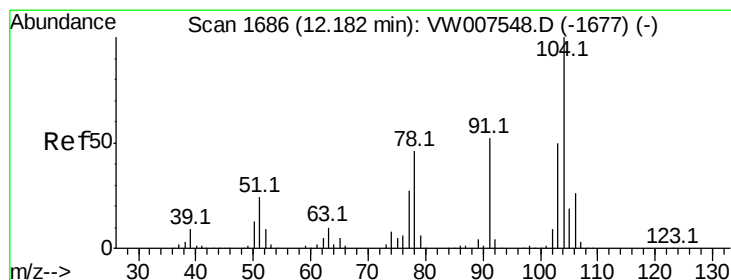
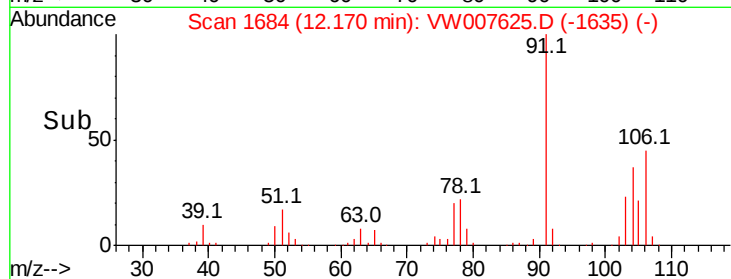
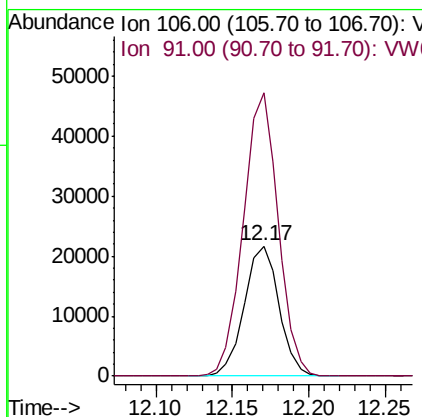
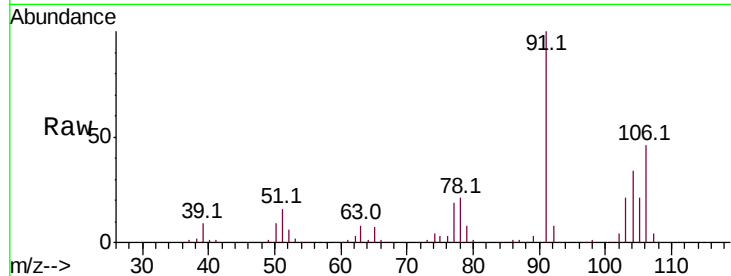
#69
o-Xylene
Concen: 23.668 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampled :
VW1219SBS01

Tot Ion:106 Resp: 34263
Ion Ratio Lower Upper
106 100
91 218.1 106.6 319.8

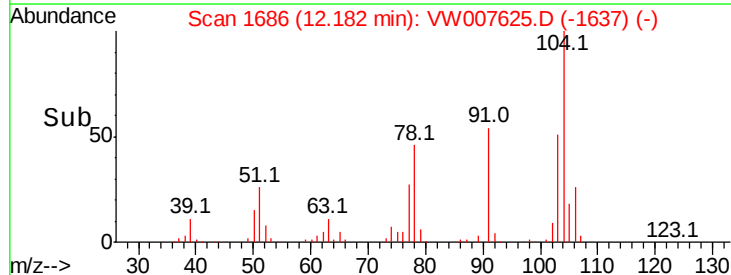
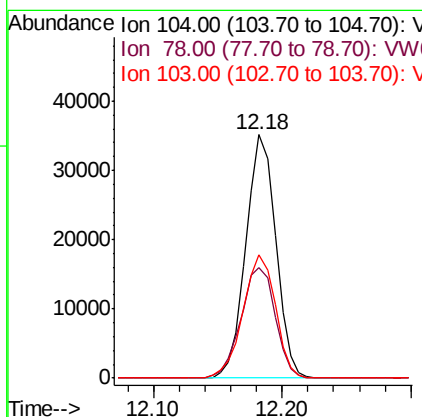
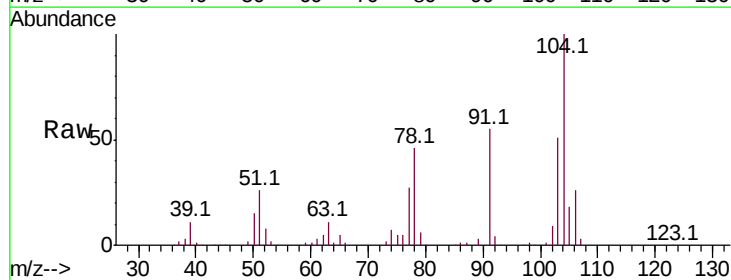
Manual Integrations
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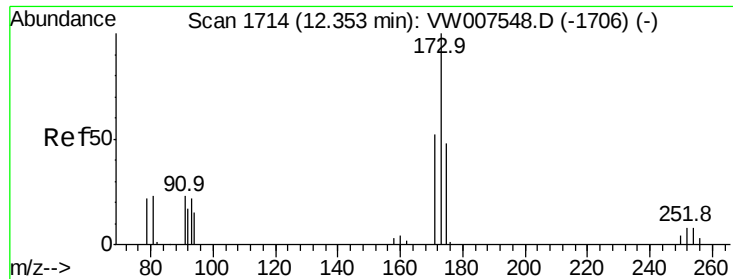
sam
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#70
Styrene
Concen: 24.146 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion:104 Resp: 56460
Ion Ratio Lower Upper
104 100
78 52.1 41.8 62.8
103 54.9 46.6 69.8





#71

Bromoform

Concen: 22.190 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW007625.D

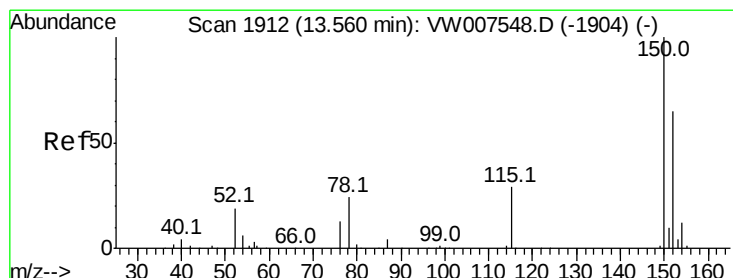
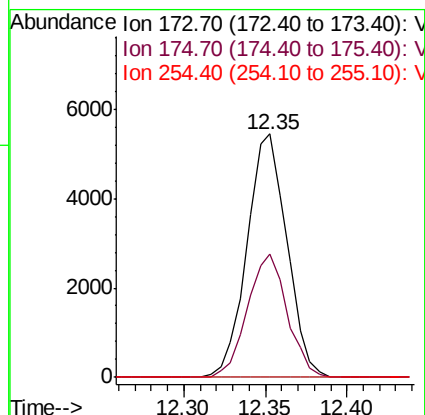
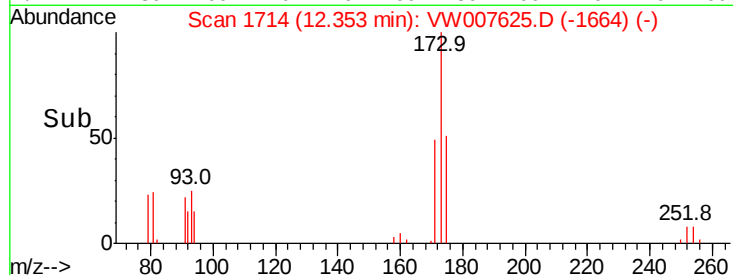
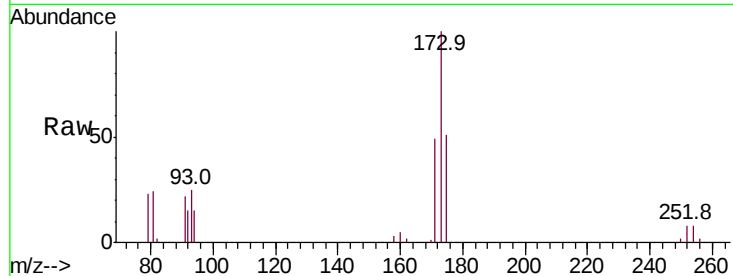
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.2	23.6	70.8
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

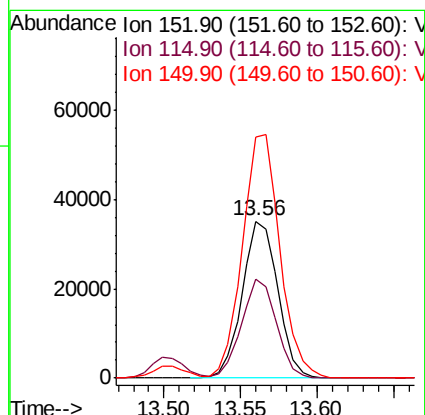
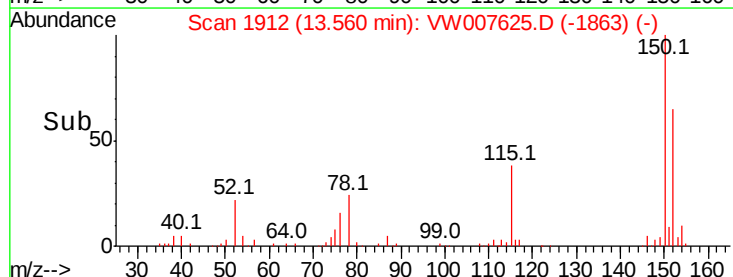
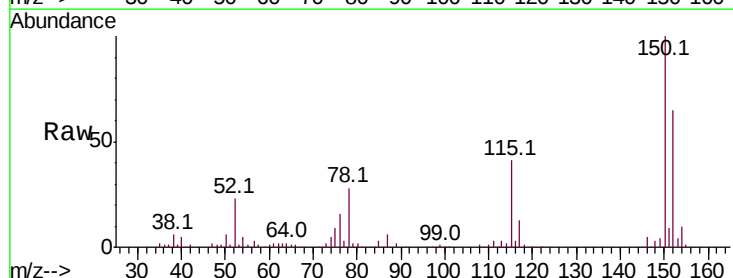
RT: 13.56 min Scan# 1912

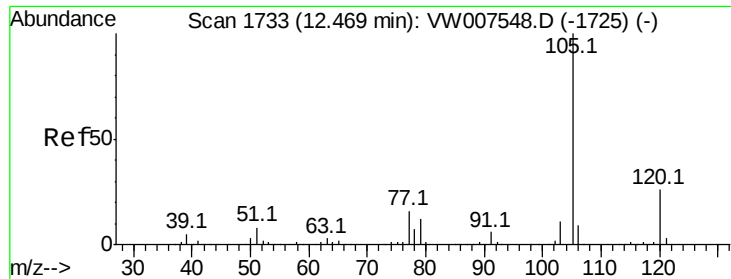
Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.2	31.4	94.2
150	163.5	0.0	358.4





#73

Isopropylbenzene

Concen: 22.888 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1219SBS01

Tot Ion:105 Resp: 99526

Ion Ratio Lower Upper

105 100

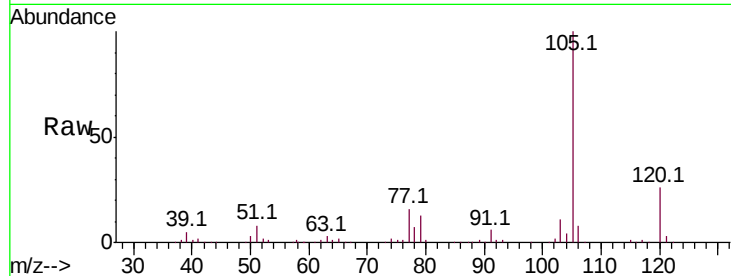
120 25.8 12.8 38.4

Manual Integrations

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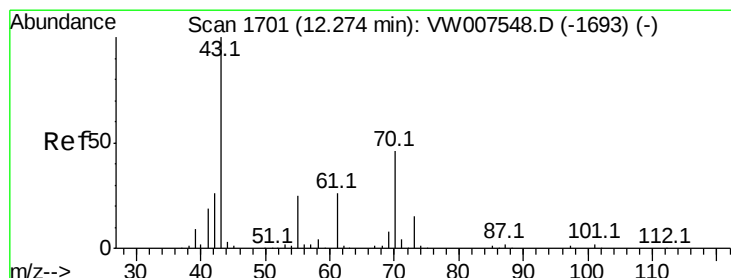
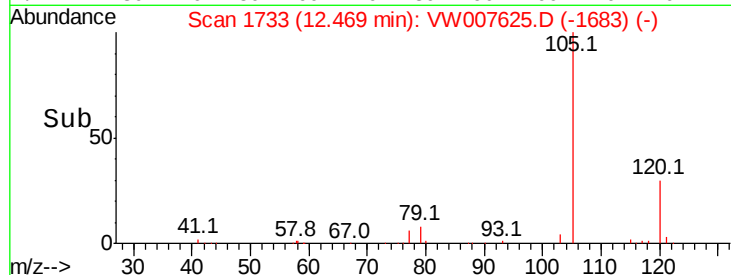
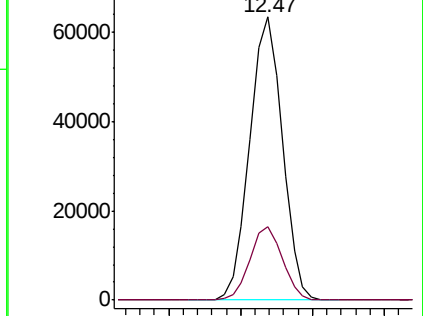
sam

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.168 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Tgt Ion: 43 Resp: 15938

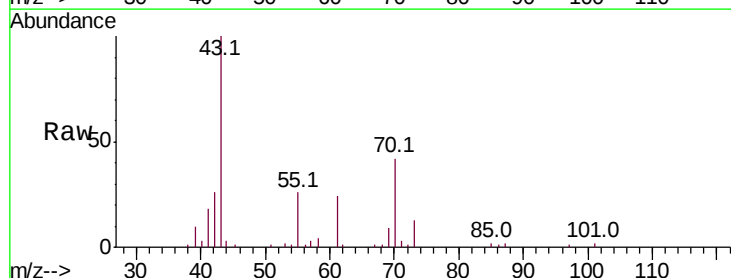
Ion Ratio Lower Upper

43 100

70 42.9 36.5 54.7

55 25.1 20.1 30.1

61 24.2 19.3 28.9

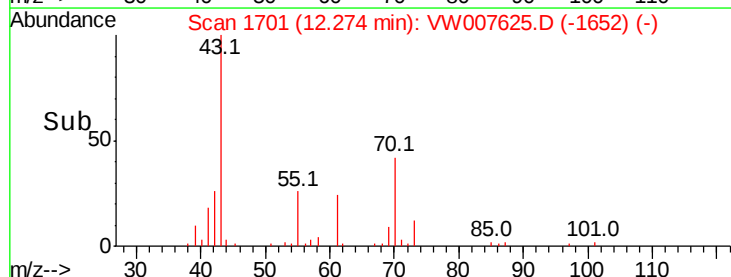
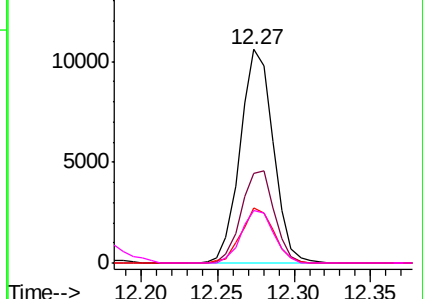


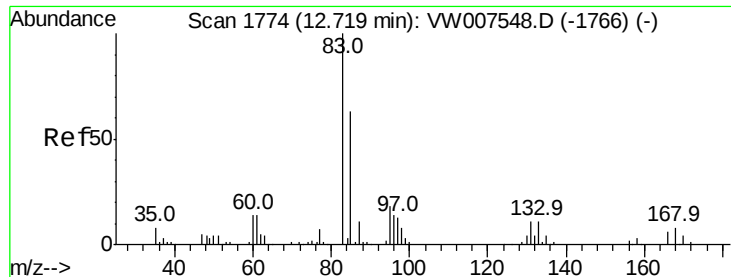
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 21.351 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

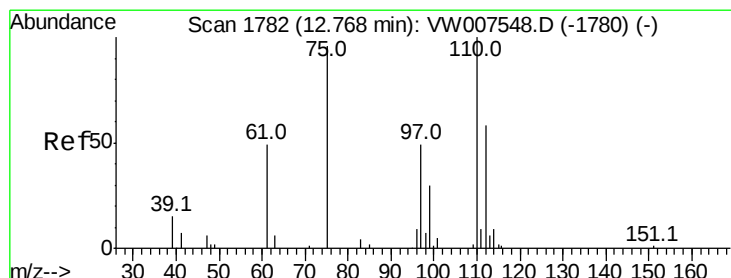
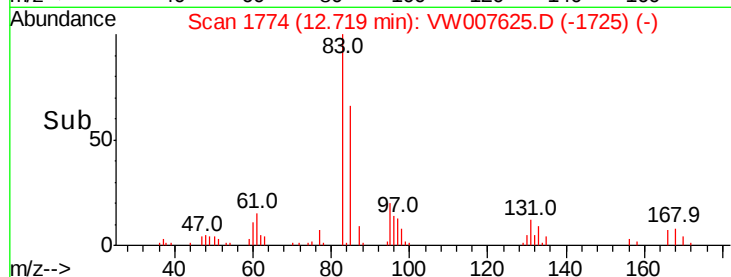
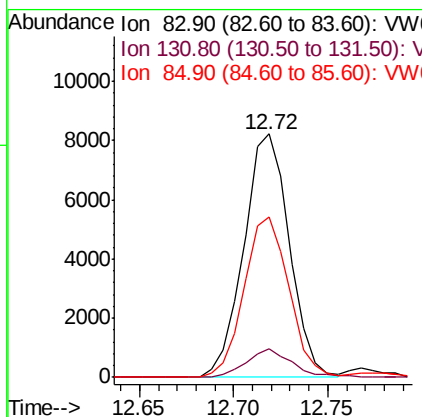
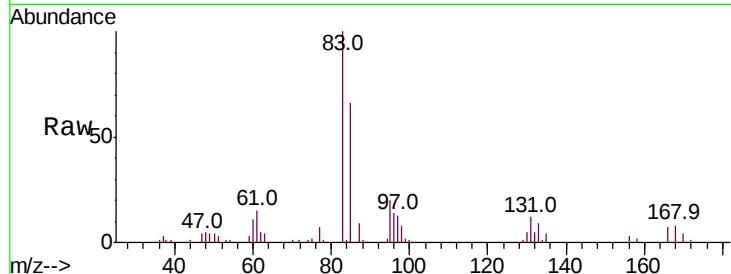
ClientSampleId :

VW1219SBS01

Tot Ion:	83	Resp:	13751
Ion Ratio	Lower	Upper	
83	100		
131	11.8	5.9	17.8
85	65.1	30.0	90.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 18.104 ug/l m

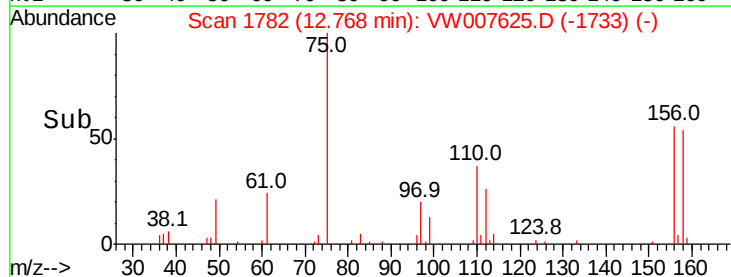
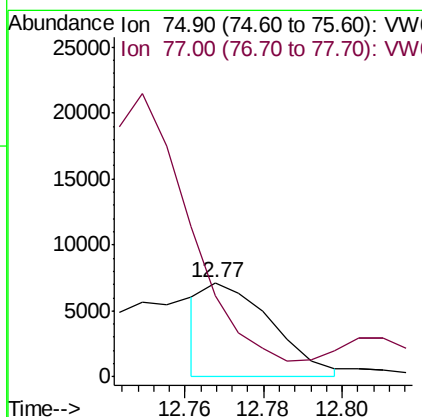
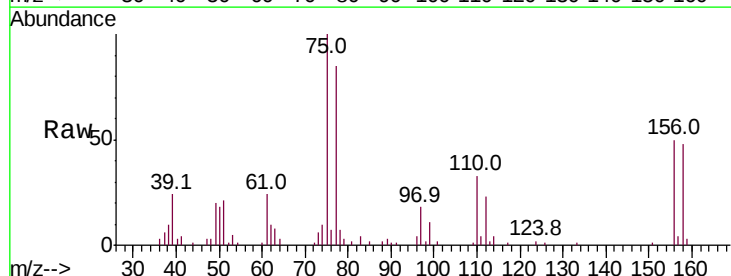
RT: 12.77 min Scan# 1782

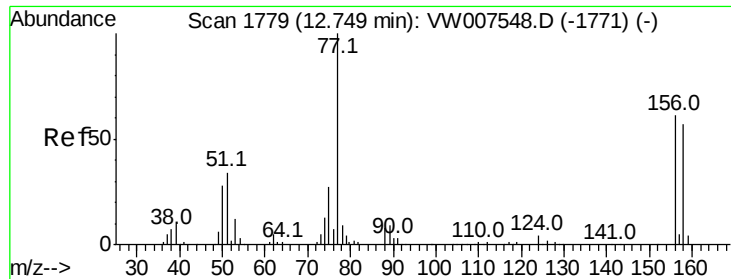
Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Tgt Ion:	75	Resp:	8471
Ion Ratio	Lower	Upper	
75	100		
77	446.2	166.9	500.8





#77

Bromobenzene

Concen: 22.629 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

Instrument :

MSVOA_W

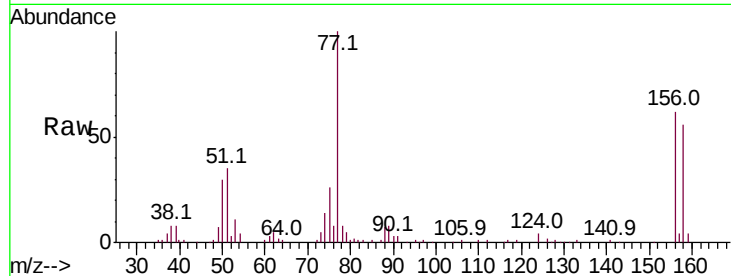
ClientSampleId :

VW1219SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	173.3	88.1	264.4	
158	93.8	45.6	136.7	

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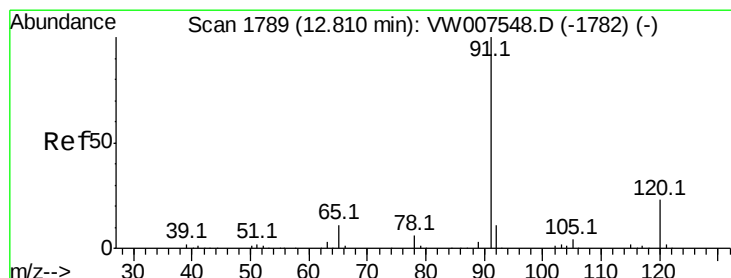
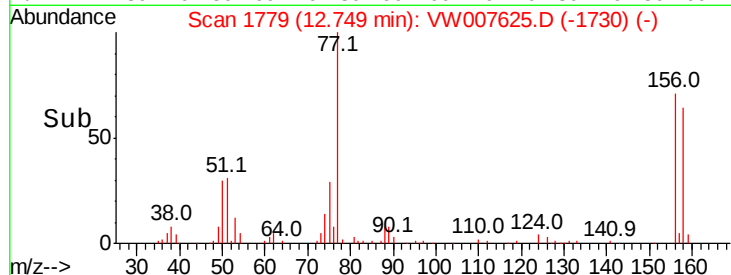
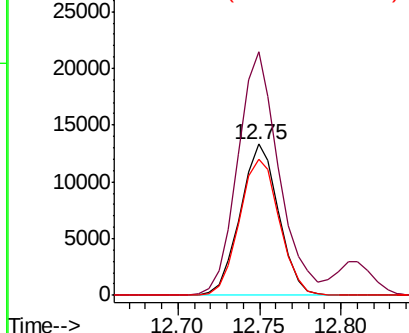


Abundance

Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 23.839 ug/l

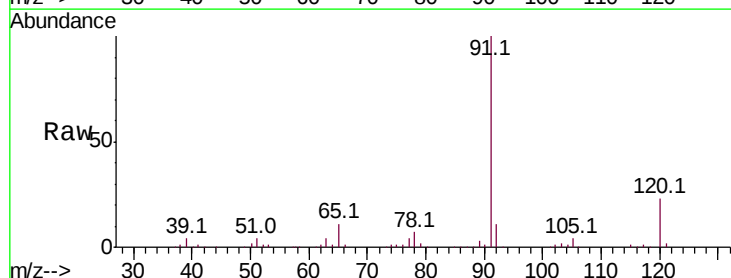
RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

Lab File: VW007625.D

Acq: 17 Dec 2018 12:31

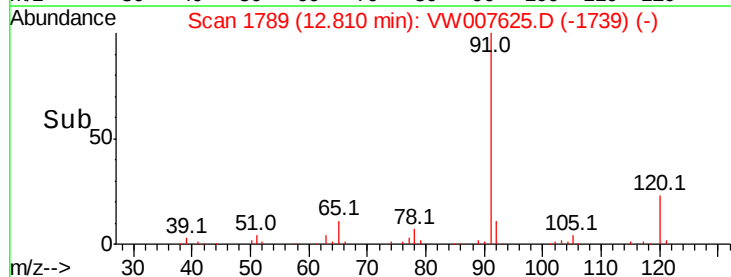
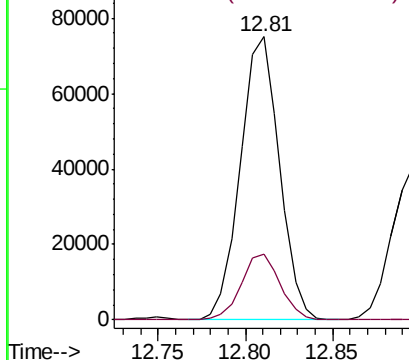
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.1	11.9	35.5	

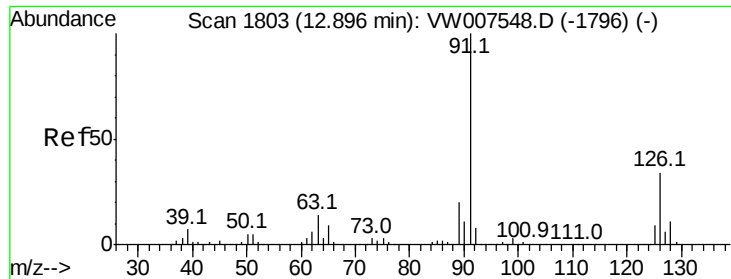


Abundance

Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





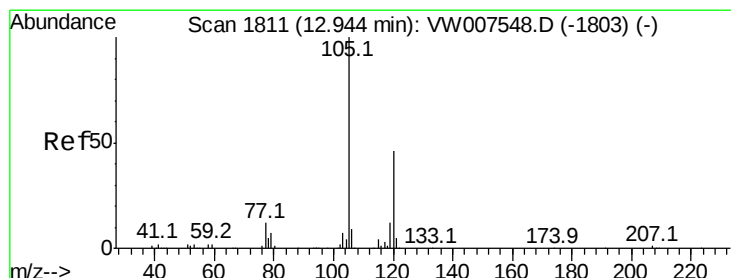
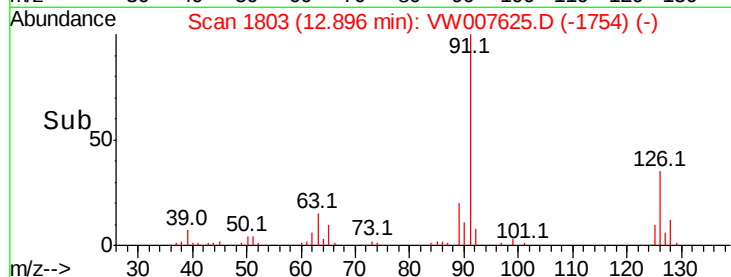
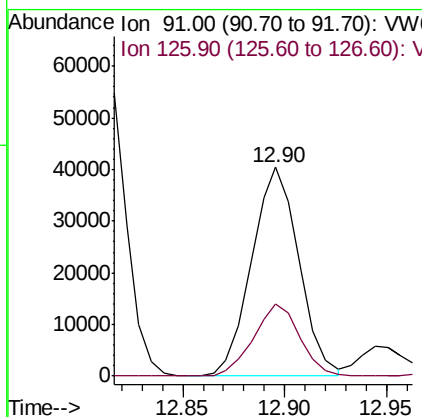
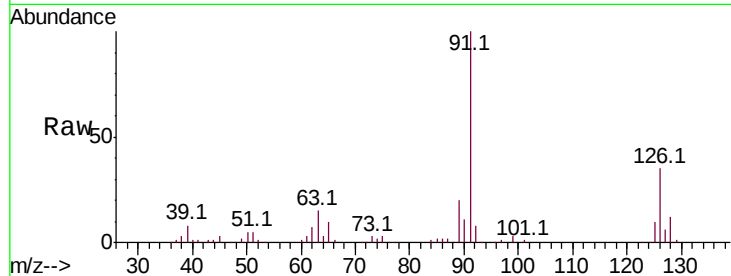
#79
2-Chlorotoluene
Concen: 22.014 ug/l
RT: 12.90 min Scan# 1803
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion: 91 Resp: 65185
Ion Ratio Lower Upper
91 100
126 33.7 15.9 47.6

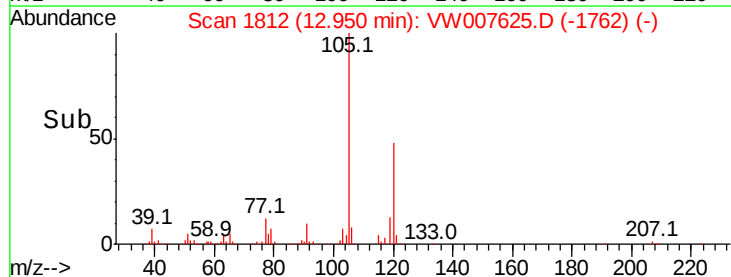
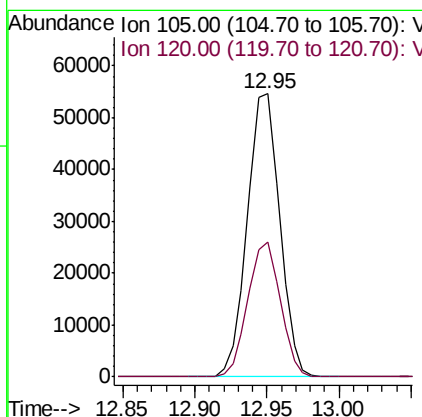
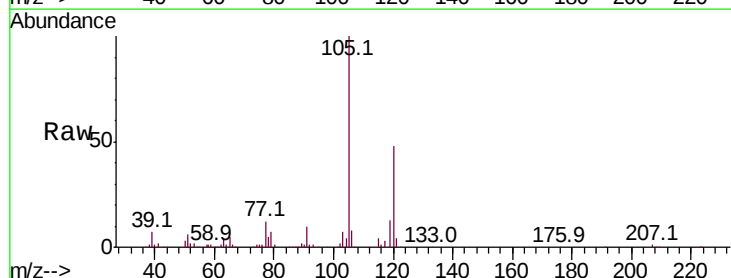
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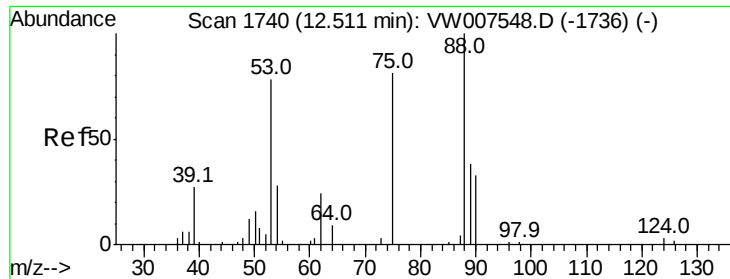
sam
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#80
1,3,5-Trimethylbenzene
Concen: 23.297 ug/l
RT: 12.95 min Scan# 1812
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion:105 Resp: 85121
Ion Ratio Lower Upper
105 100
120 47.9 23.8 71.4





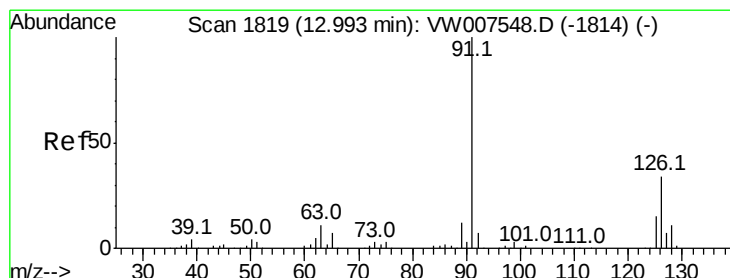
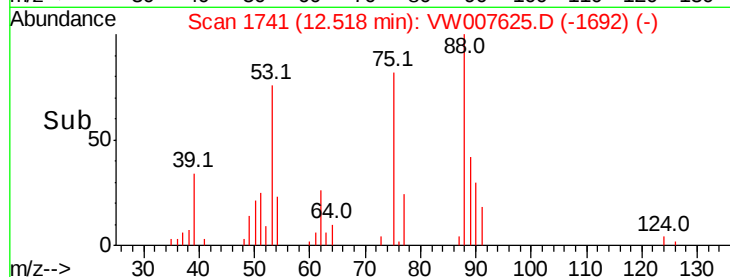
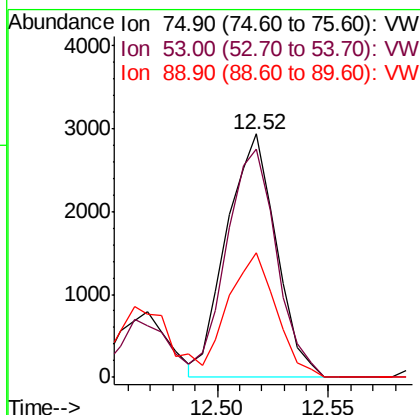
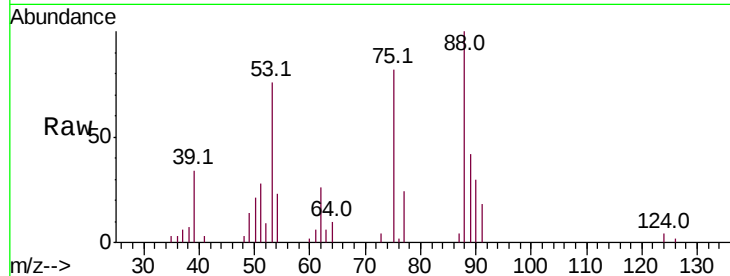
#81
trans-1,4-Dichloro-2-butene
Concen: 21.499 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.4	84.9	127.3
89	49.1	40.3	60.5

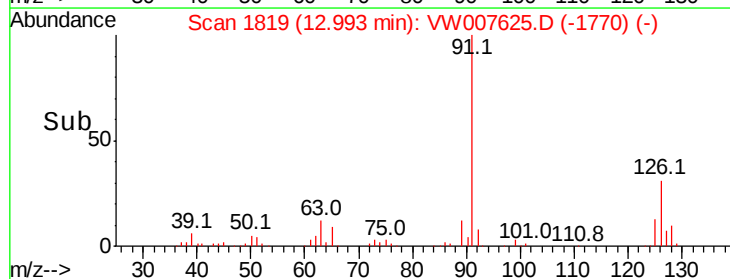
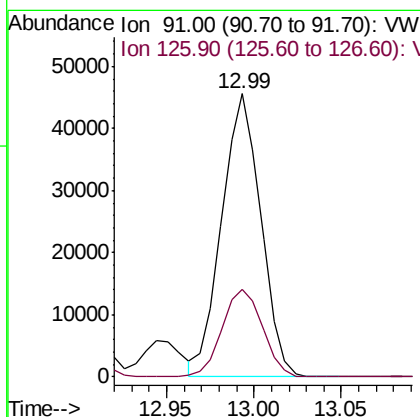
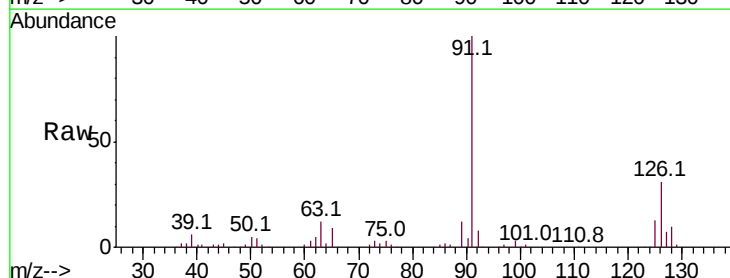
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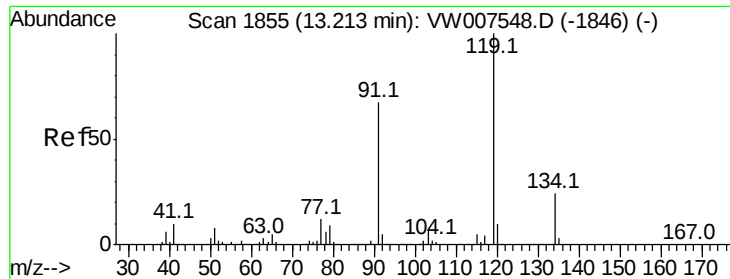
sam
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#82
4-Chlorotoluene
Concen: 22.717 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.9	16.0	48.0





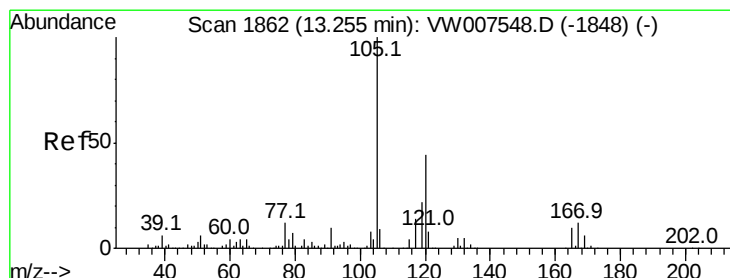
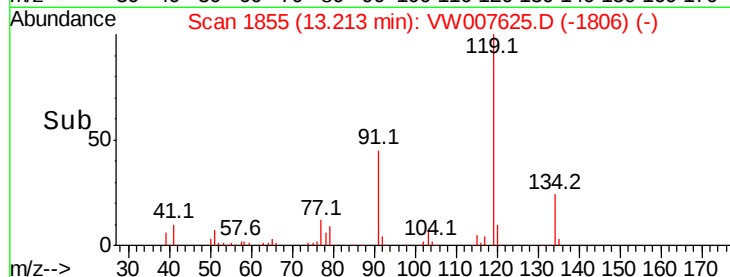
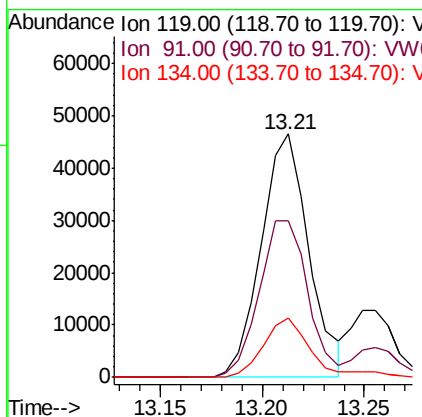
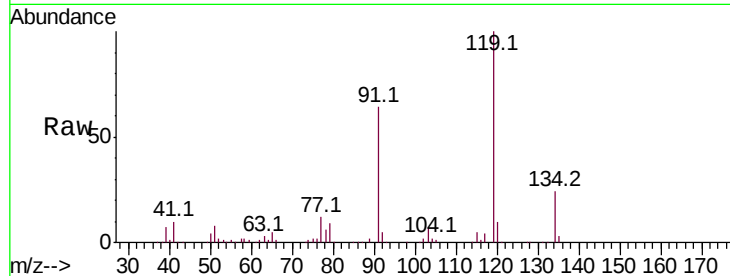
#83
tert-Butylbenzene
Concen: 23.507 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	75677		
91	65.9		33.1	99.2
134	24.9		12.5	37.5

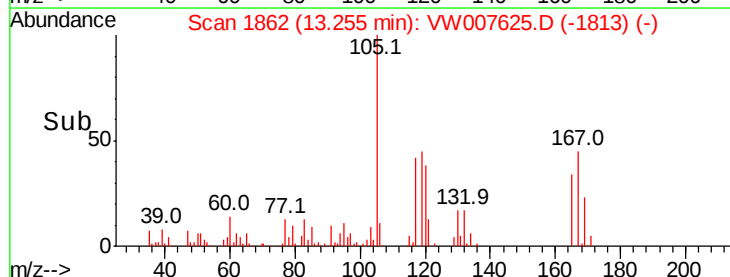
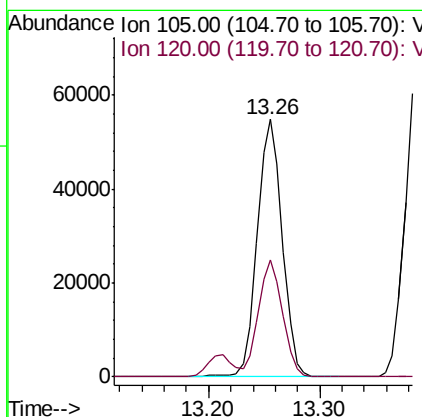
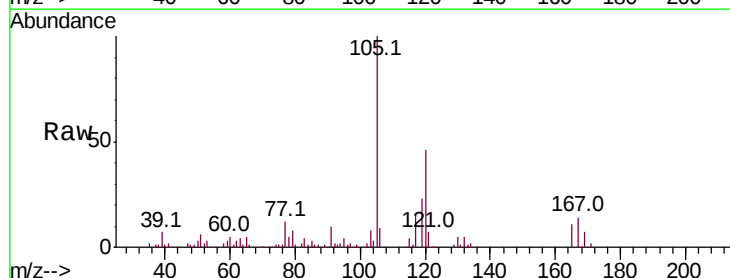
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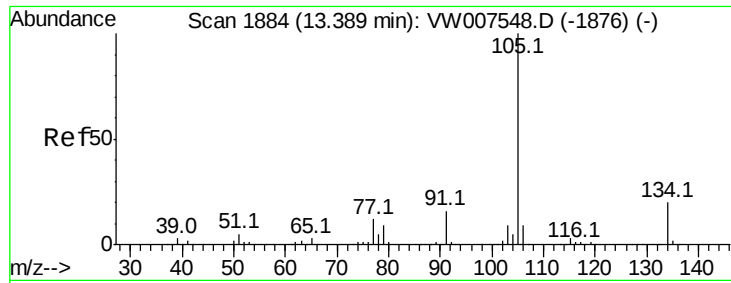
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#84
1,2,4-Trimethylbenzene
Concen: 22.818 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	85792		
120	43.7		22.6	67.7





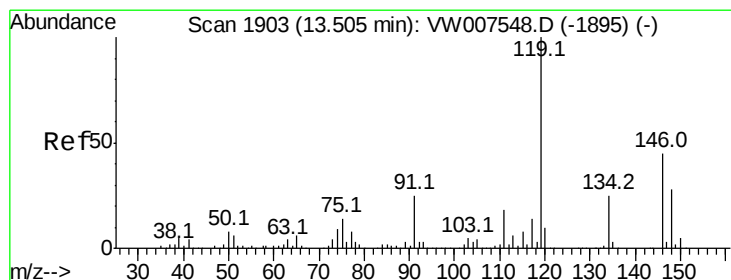
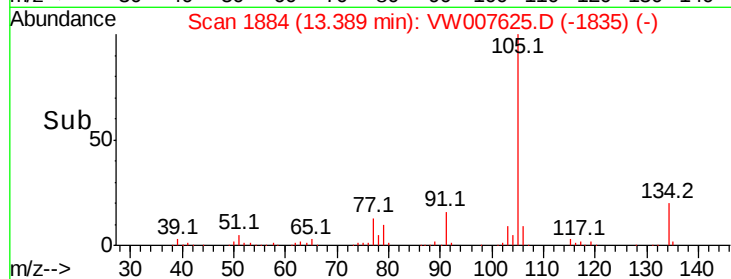
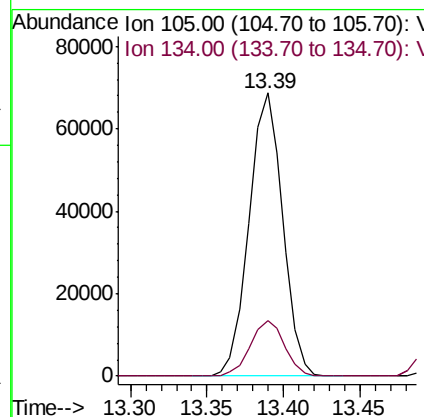
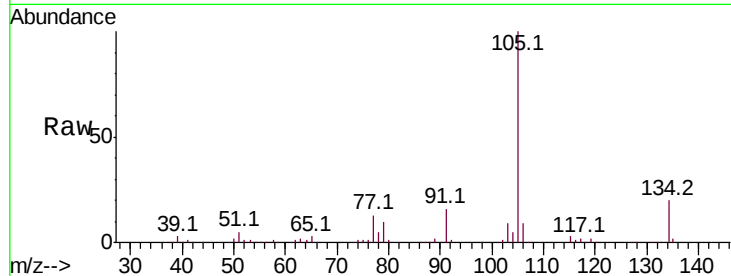
#85
 sec-Butylbenzene
 Concen: 23.937 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	11.1	33.3

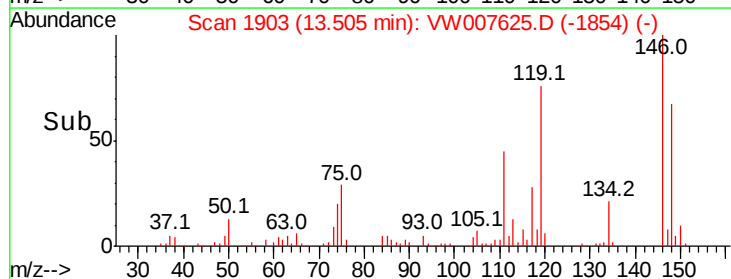
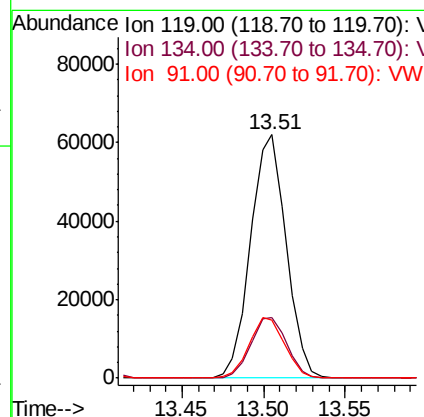
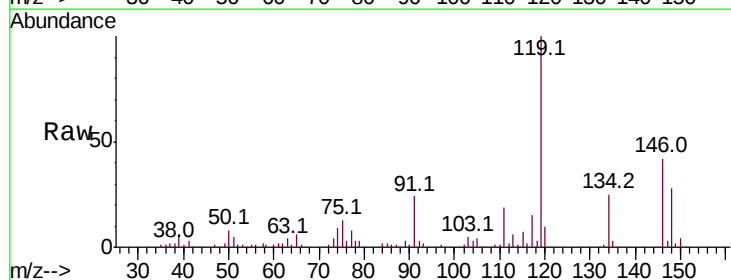
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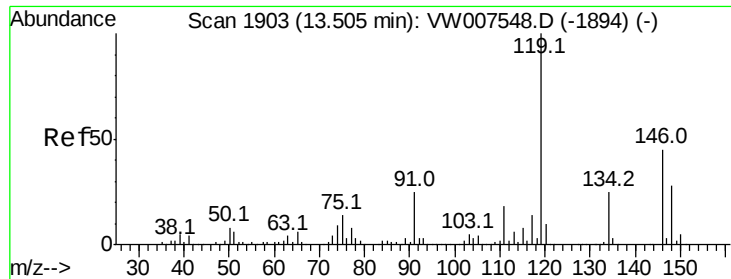
sam
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#86
 p-Isopropyltoluene
 Concen: 23.915 ug/l
 RT: 13.51 min Scan# 1903
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.9	38.7
91	25.1	11.9	35.9





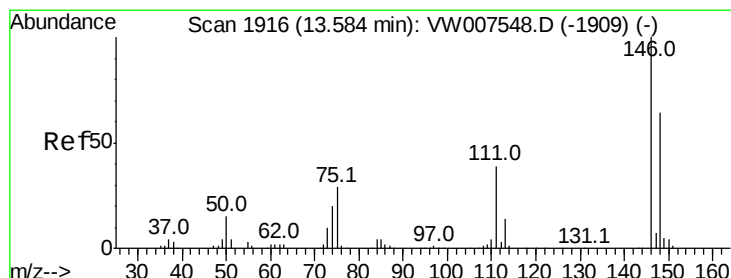
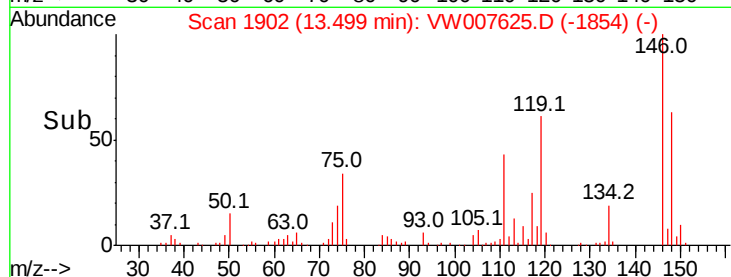
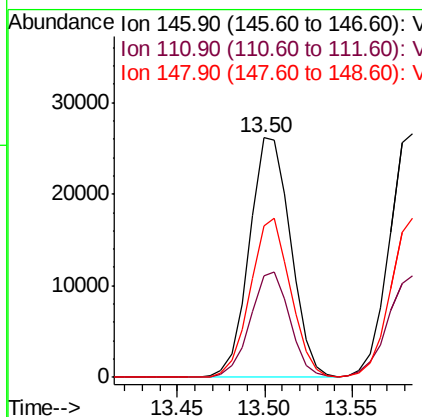
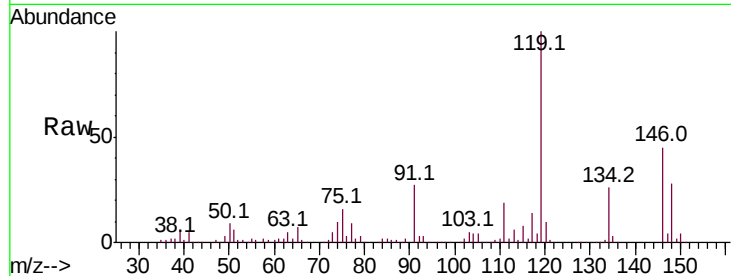
#87
 1,3-Dichlorobenzene
 Concen: 22.334 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.1	60.3
148	64.7	31.4	94.0

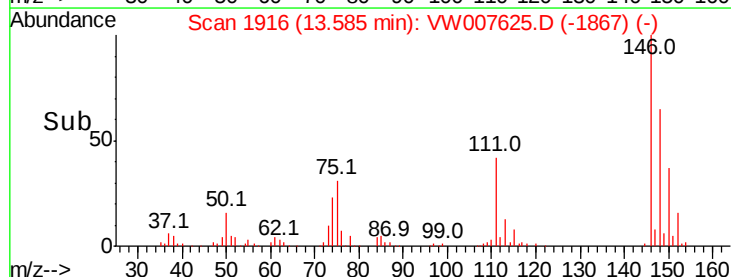
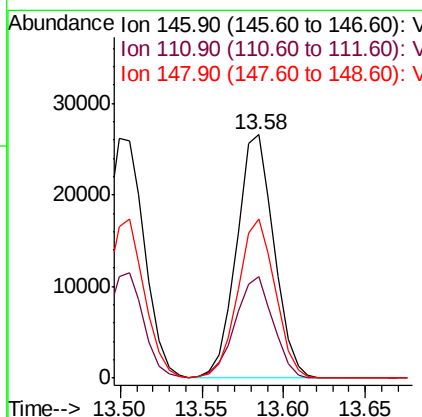
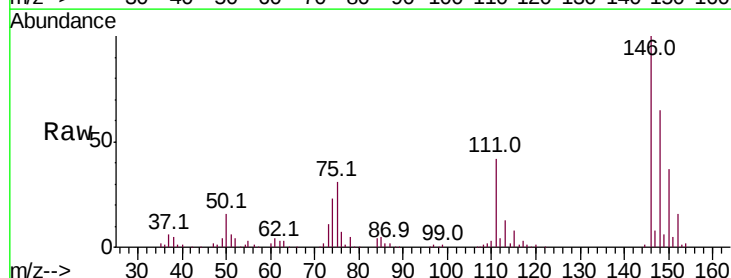
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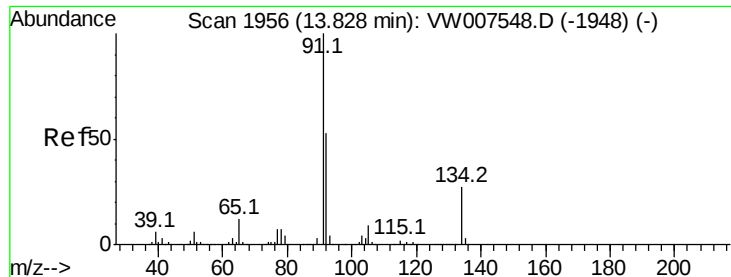
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#88
 1,4-Dichlorobenzene
 Concen: 21.947 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.4	20.3	61.0
148	65.2	33.5	100.5





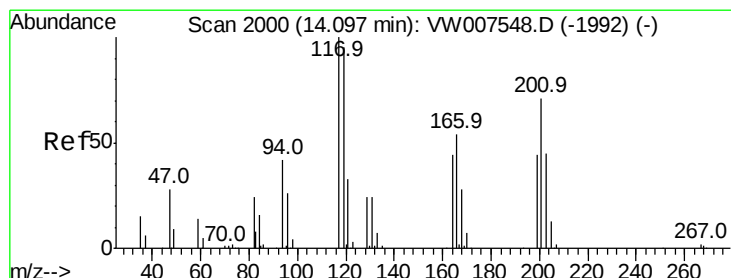
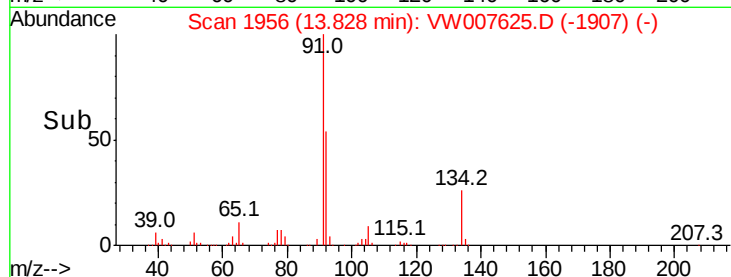
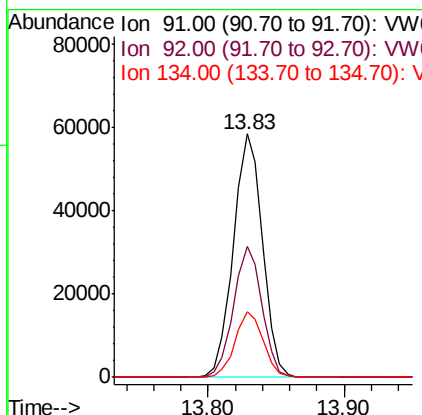
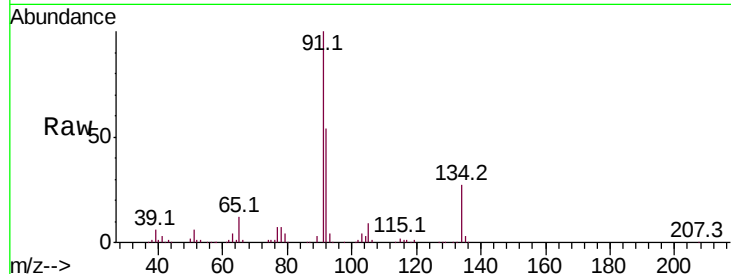
#89
n-Butylbenzene
Concen: 23.752 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	25.7	77.1
134	25.9	13.4	40.2

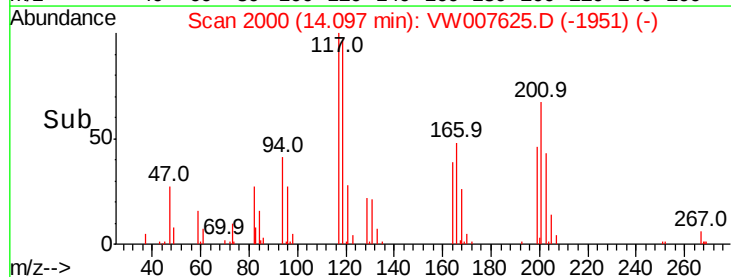
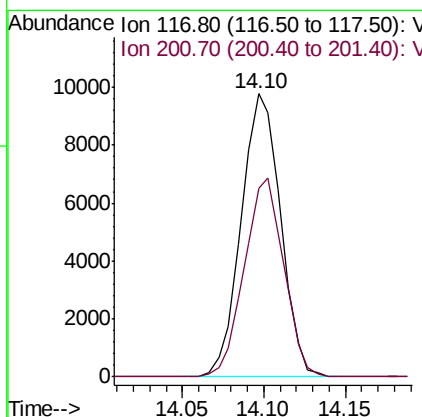
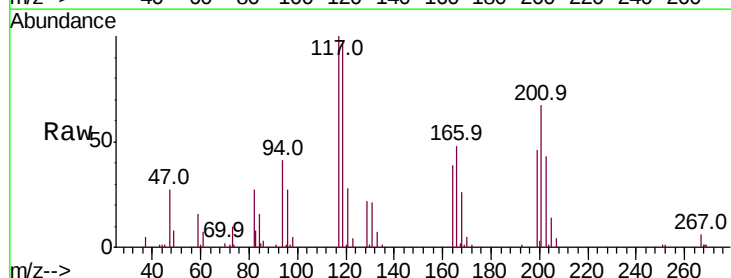
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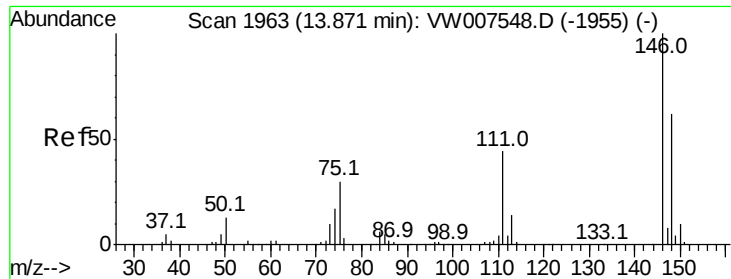
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#90
Hexachloroethane
Concen: 23.429 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.2	35.3	105.9





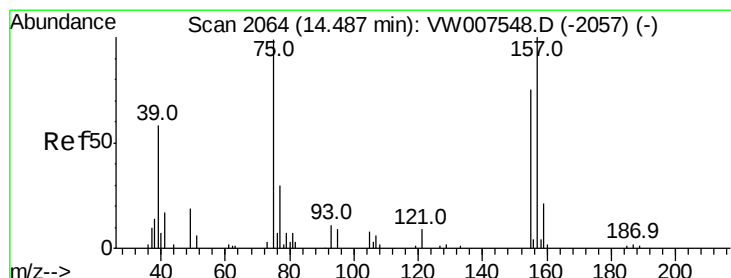
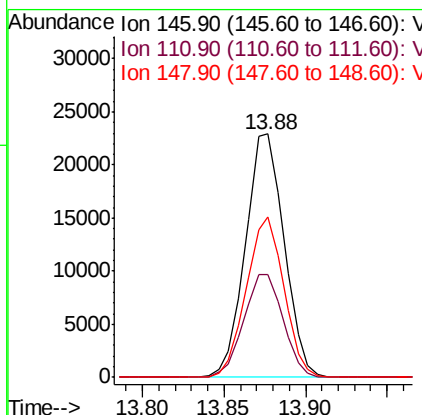
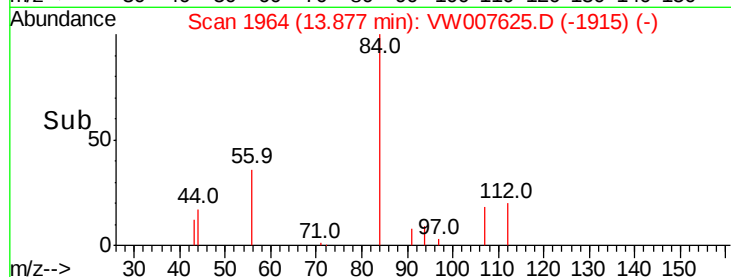
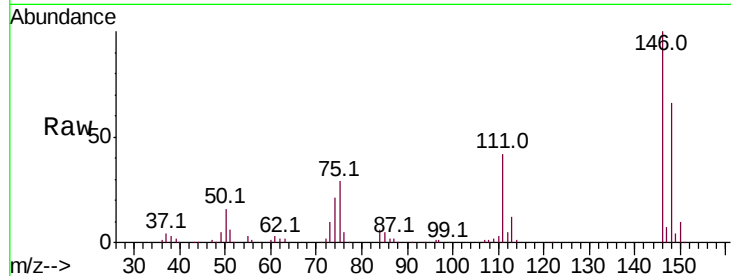
#91
 1,2-Dichlorobenzene
 Concen: 22.094 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	22.4	67.2
148	63.9	32.4	97.2

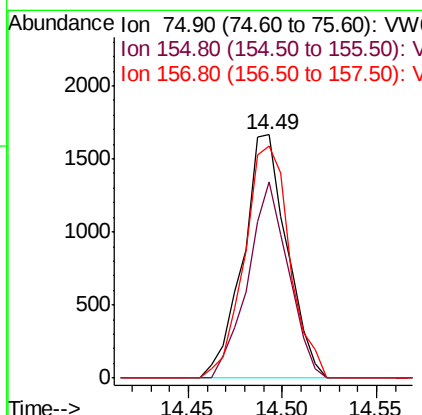
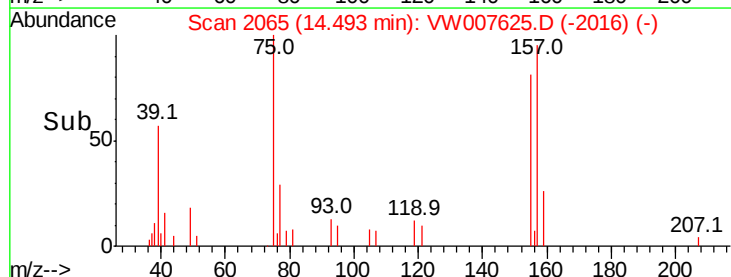
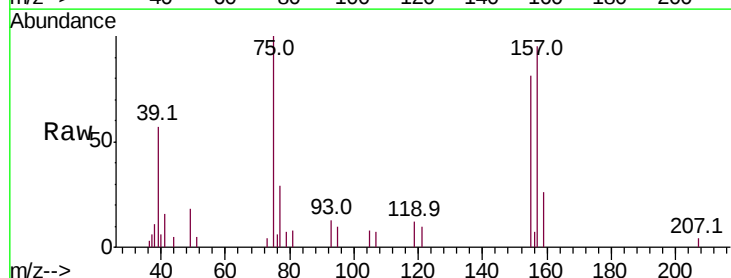
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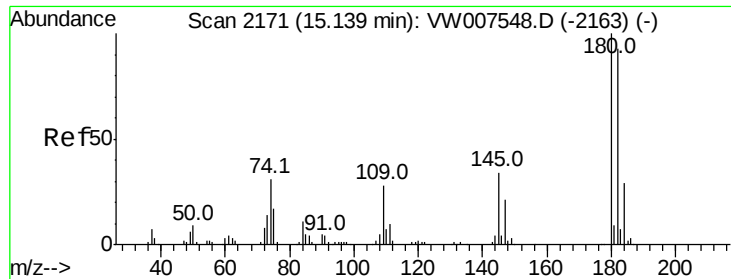
sam
 12/27/2018 8:23:19 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.829 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.3	40.8	122.2
157	98.5	51.1	153.4





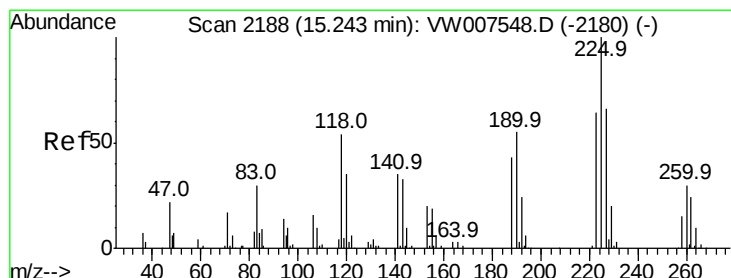
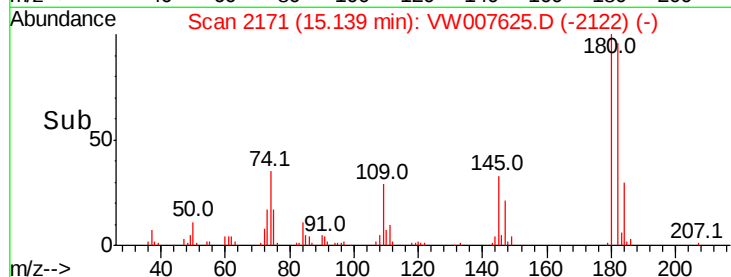
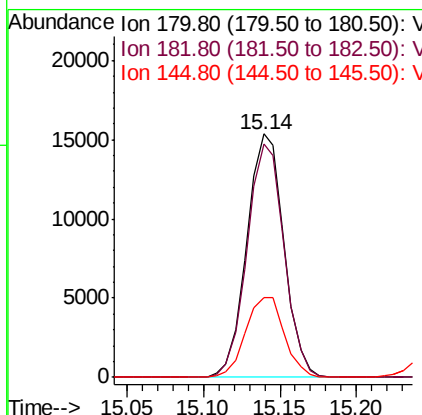
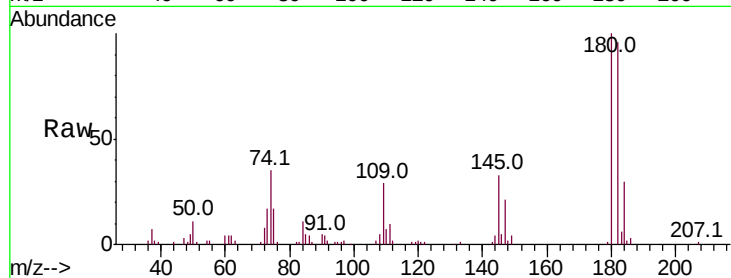
#93
 1,2,4-Trichlorobenzene
 Concen: 21.870 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1219SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	49.9	149.6
145	34.2	17.8	53.4

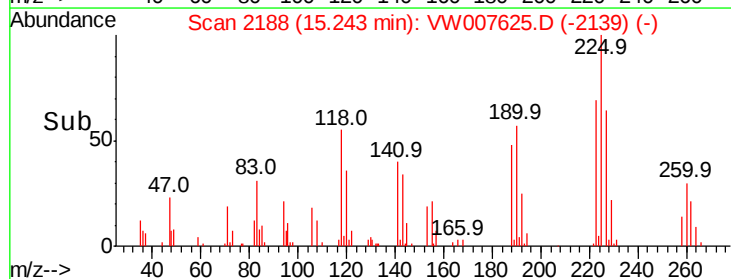
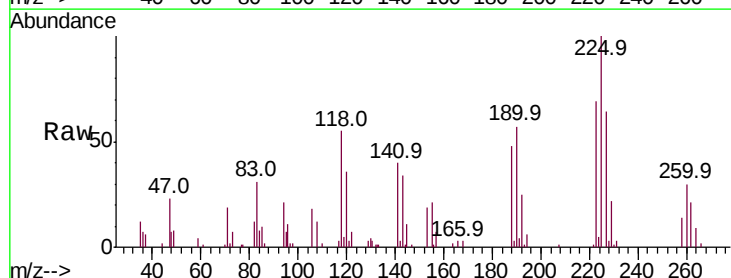
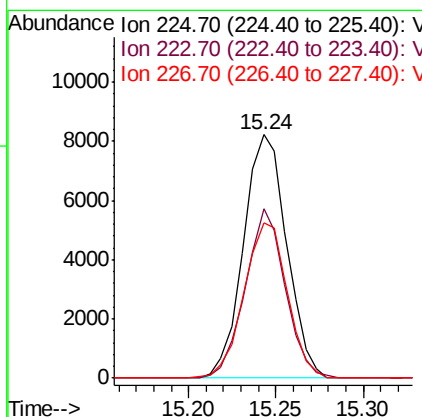
Manual Integrations
 APPROVED

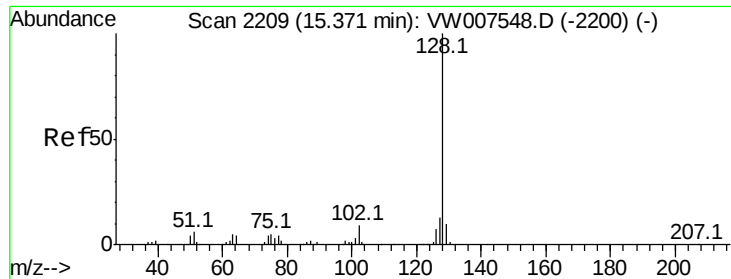
sam
 12/27/2018 8:23:19 AM



#94
 Hexachlorobutadiene
 Concen: 22.443 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW007625.D
 Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	32.1	96.3
227	63.8	31.9	95.9





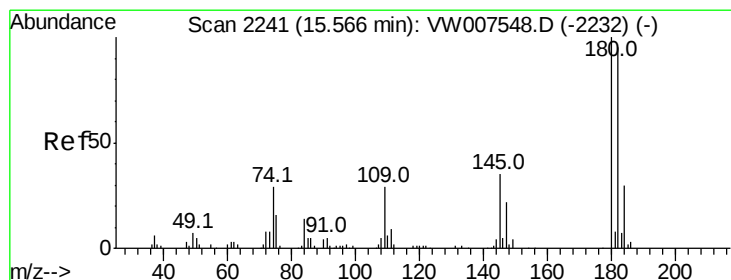
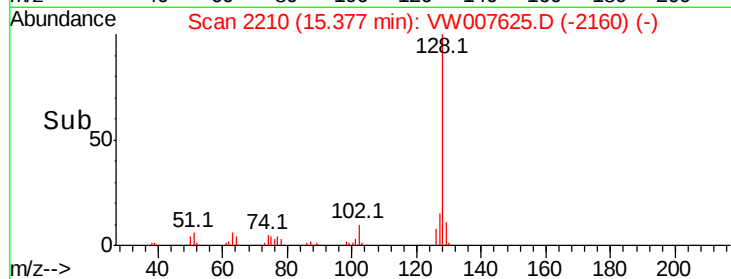
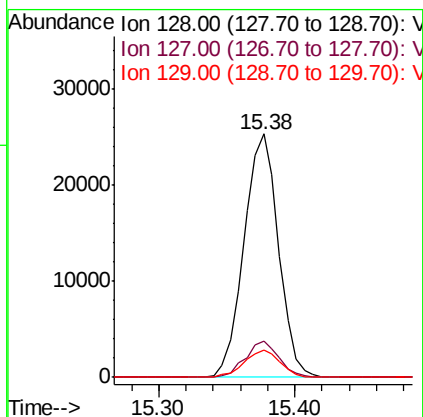
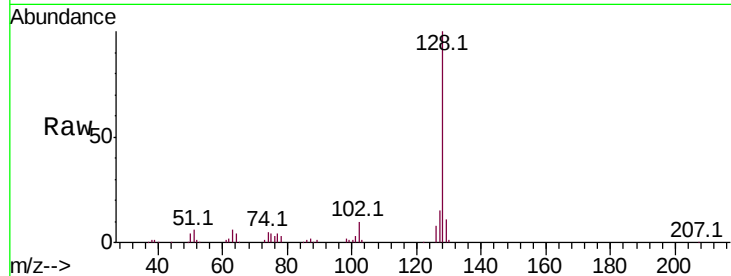
#95
Naphthalene
Concen: 19.789 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1219SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.6	10.2	15.4
129	11.6	8.3	12.5

Manual Integrations
APPROVED

sam
12/27/2018 8:23:19 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.811 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007625.D
Acq: 17 Dec 2018 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.0	45.6	136.7
145	36.9	17.5	52.5

