

Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121618\
 Data File : VW007475.D
 Acq On : 13 Dec 2018 09:34
 Operator : SY/AP
 Sample : VW1216SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Manual Integrations
 APPROVED

MMDadoda
 12/24/2018 12:18:09 PM

Quant Time: Dec 13 11:38:30 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	83570	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	143581	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	128647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	64402	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.31	65	44645	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
35) Dibromofluoromethane	7.88	113	41435	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.32	98	161495	49.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.12%	
62) 4-Bromofluorobenzene	12.62	95	59887	49.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.96%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.01	85	11705	20.043	ug/l	99
3) Chloromethane	2.21	50	9552	19.530	ug/l	97
4) Vinyl Chloride	2.37	62	11825	20.602	ug/l	92
5) Bromomethane	2.78	94	8099	21.001	ug/l	85
6) Chloroethane	2.92	64	6546	20.718	ug/l	91
7) Trichlorofluoromethane	3.26	101	9290	18.003	ug/l	97
8) Diethyl Ether	3.68	74	8134	20.140	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.06	101	16611	19.509	ug/l	97
10) Methyl Iodide	4.26	142	27828	19.733	ug/l	99
11) Tert butyl alcohol	5.17	59	6498	102.049	ug/l #	92
12) 1,1-Dichloroethene	4.03	96	15755	19.218	ug/l	98
13) Acrolein	3.89	56	2866	68.022	ug/l	97
14) Allyl chloride	4.66	41	23351	19.324	ug/l	99
15) Acrylonitrile	5.37	53	17253	101.333	ug/l	97
16) Acetone	4.11	43	13988	86.375	ug/l	89
17) Carbon Disulfide	4.37	76	47207	18.992	ug/l	97
18) Methyl Acetate	4.67	43	9269	21.088	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	25498	20.618	ug/l	97
20) Methylene Chloride	4.90	84	19215	19.291	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	18381	20.043	ug/l	99
22) Diisopropyl ether	6.31	45	46545	20.039	ug/l	95
23) Vinyl Acetate	6.25	43	124760	96.030	ug/l	99
24) 1,1-Dichloroethane	6.21	63	31608	20.135	ug/l	99
25) 2-Butanone	7.17	43	19979	94.500	ug/l	95
26) 2,2-Dichloropropane	7.17	77	19045	18.331	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	20241	20.157	ug/l	100
28) Bromochloromethane	7.51	49	11857	20.080	ug/l	96
29) Tetrahydrofuran	7.52	42	13242	98.938	ug/l	95
30) Chloroform	7.67	83	34256	20.052	ug/l	97
31) Cyclohexane	7.95	56	26625	18.486	ug/l #	94
32) 1,1,1-Trichloroethane	7.87	97	29497	19.689	ug/l	99
36) 1,1-Dichloropropene	8.08	75	25332	19.340	ug/l	97
37) Ethyl Acetate	7.26	43	9569	19.642	ug/l	97
38) Carbon Tetrachloride	8.07	117	27387	19.217	ug/l	97

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 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
 VW1216SBS01

Manual Integrations
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 12/24/2018 12:18:09 PM

Quant Time: Dec 13 11:38:30 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)
39) Methylcyclohexane	9.34	83	30273	19.087	ug/l	95
40) Benzene	8.32	78	72095	19.834	ug/l	98
41) Methacrylonitrile	7.48	41	5668	20.431	ug/l	99
42) 1,2-Dichloroethane	8.40	62	22480	19.688	ug/l	99
43) Isopropyl Acetate	8.43	43	19108	19.857	ug/l	98
44) Trichloroethene	9.09	130	20577	19.824	ug/l	100
45) 1,2-Dichloropropane	9.37	63	17132	20.367	ug/l	99
46) Dibromomethane	9.46	93	9603	20.103	ug/l	98
47) Bromodichloromethane	9.65	83	25473	20.330	ug/l	98
48) Methyl methacrylate	9.43	41	9407	19.034	ug/l	96
49) 1,4-Dioxane	9.44	88	3256	420.089	ug/l	94
51) 4-Methyl-2-Pentanone	10.21	43	44957	98.876	ug/l	96
52) Toluene	10.39	92	48107	20.451	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	24226	19.916	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	27650	19.663	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	13357	20.545	ug/l	96
56) Ethyl methacrylate	10.65	69	15856	20.291	ug/l	99
57) 1,3-Dichloropropane	10.93	76	22981	21.536	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	35001	97.130	ug/l	99
59) 2-Hexanone	10.97	43	30225	99.693	ug/l	96
60) Dibromochloromethane	11.13	129	17327	21.119	ug/l	98
61) 1,2-Dibromoethane	11.24	107	13460	20.950	ug/l	95
64) Tetrachloroethene	10.87	164	18183	19.654	ug/l	93
65) Chlorobenzene	11.66	112	53687	20.022	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	19378	20.519	ug/l	99
67) Ethyl Benzene	11.73	91	93860	20.360	ug/l	93
68) m/p-Xylenes	11.84	106	72461	40.431	ug/l	99
69) o-Xylene	12.17	106	34652	20.703	ug/l	99
70) Styrene	12.18	104	58443	21.617	ug/l	97
71) Bromoform	12.35	173	9382	19.409	ug/l #	95
73) Isopropylbenzene	12.47	105	96260	19.507	ug/l	99
74) N-amyl acetate	12.27	43	17621	19.648	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	14970	20.482	ug/l	96
76) 1,2,3-Trichloropropane	12.77	75	8755m	16.487	ug/l	
77) Bromobenzene	12.75	156	21935	20.053	ug/l	96
78) n-propylbenzene	12.81	91	112362	20.232	ug/l	99
79) 2-Chlorotoluene	12.90	91	65841	19.593	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	83201	20.066	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	4368	18.171	ug/l	97
82) 4-Chlorotoluene	12.99	91	70326	19.854	ug/l	98
83) tert-Butylbenzene	13.21	119	72806	19.928	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	83986	19.683	ug/l	99
85) sec-Butylbenzene	13.39	105	99526	19.955	ug/l	95
86) p-Isopropyltoluene	13.50	119	90236	20.139	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	43474	19.934	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	43417	19.802	ug/l	98
89) n-Butylbenzene	13.83	91	80218	19.312	ug/l	99
90) Hexachloroethane	14.10	117	15604	19.572	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	38943	19.937	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.49	75	2743	18.701	ug/l	95

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Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Manual Integrations
APPROVED

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12/24/2018 12:18:09 PM

Quant Time: Dec 13 11:38:30 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)
93) 1,2,4-Trichlorobenzene	15.14	180	25760	19.163	ug/l	97
94) Hexachlorobutadiene	15.24	225	13167	18.461	ug/l	99
95) Naphthalene	15.37	128	50183	19.514	ug/l	98
96) 1,2,3-Trichlorobenzene	15.57	180	22138	18.958	ug/l	94

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

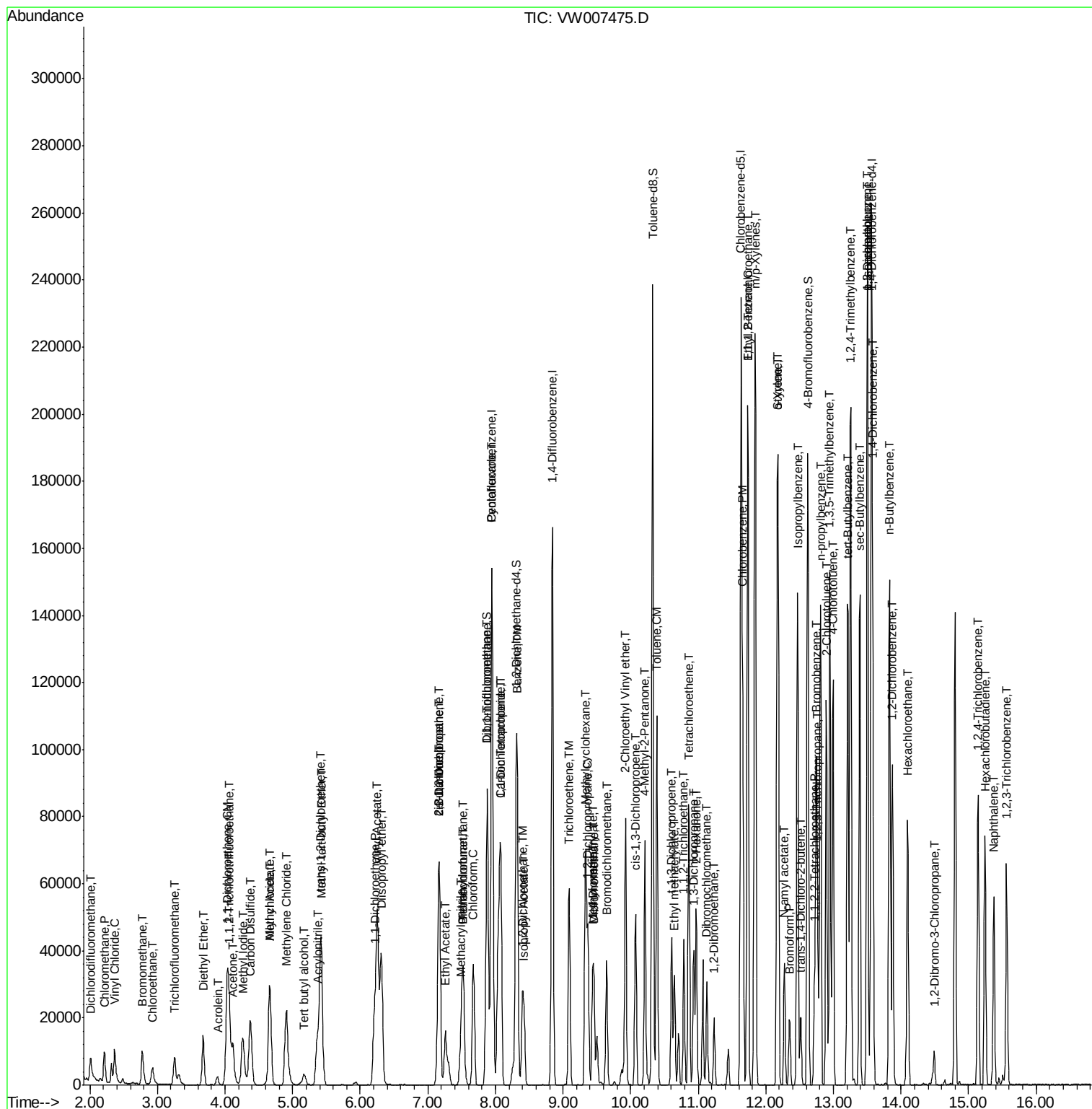
Data Path : Z:\voasrv\HPCHEM1\MSVOA W\Data\VW121618\
 Data File : VW007475.D
 Acq On : 13 Dec 2018 09:34
 Operator : SY/AP
 Sample : VW1216SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 53 Sample Multiplier: 1

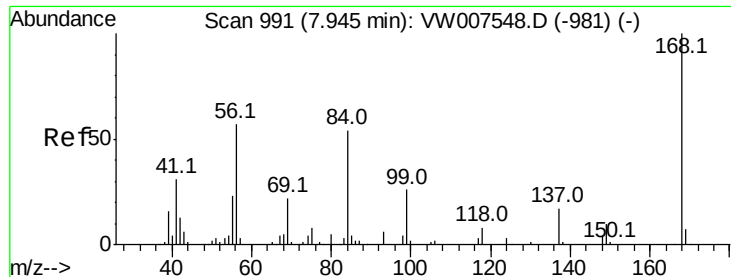
Instrument :
 MSVOA_W
 Client Sampled :
 VW1216SBS01

Manual Integrations
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Quant Time: Dec 13 11:38:30 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion:168 Resp: 83570

Ion Ratio Lower Upper

168 100

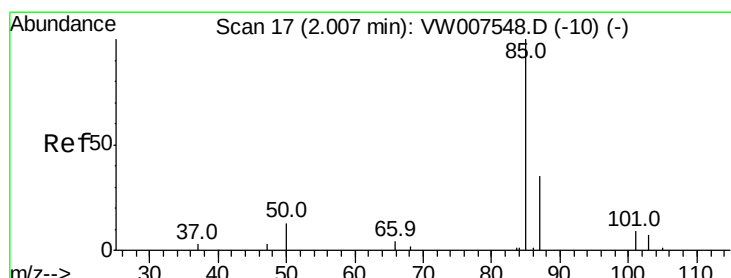
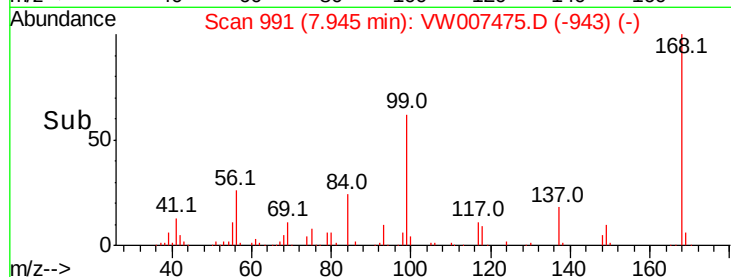
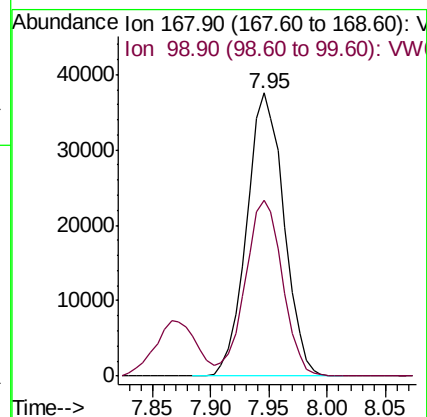
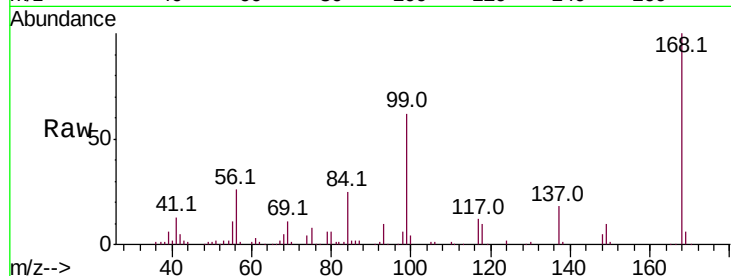
99 62.0 48.3 72.5

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 20.043 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.01 min

Lab File: VW007475.D

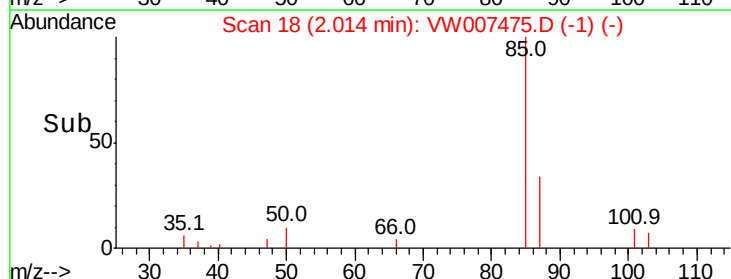
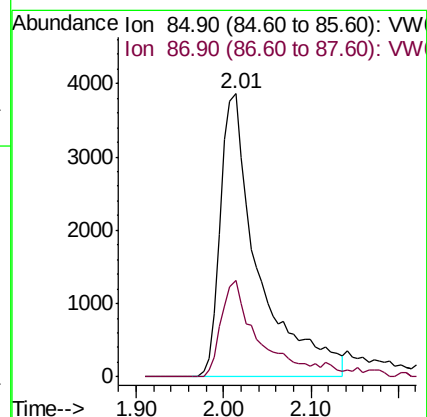
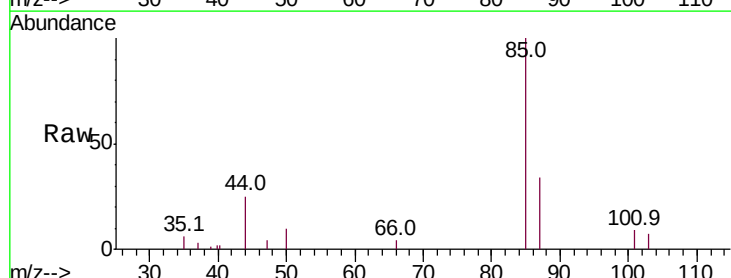
Acq: 13 Dec 2018 09:34

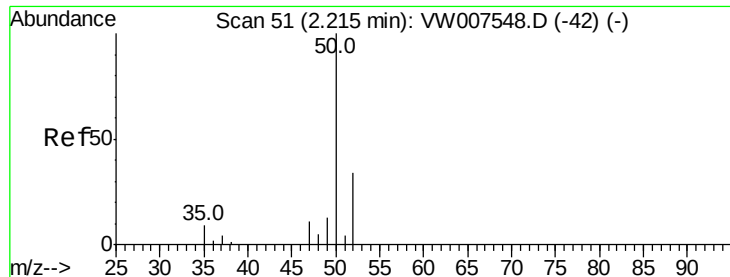
Tgt Ion: 85 Resp: 11705

Ion Ratio Lower Upper

85 100

87 33.9 16.6 49.7





#3

Chloromethane

Concen: 19.530 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 50 Resp: 9552

Ion Ratio Lower Upper

50 100

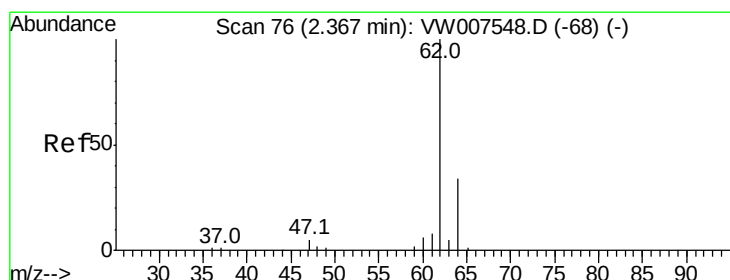
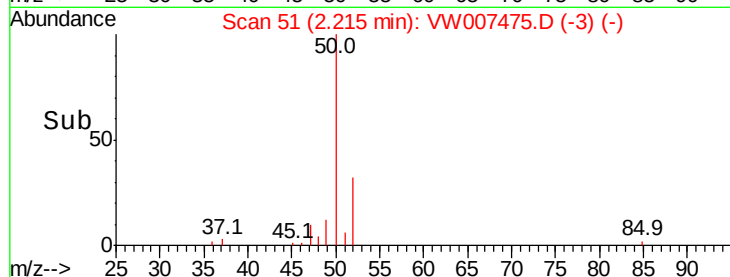
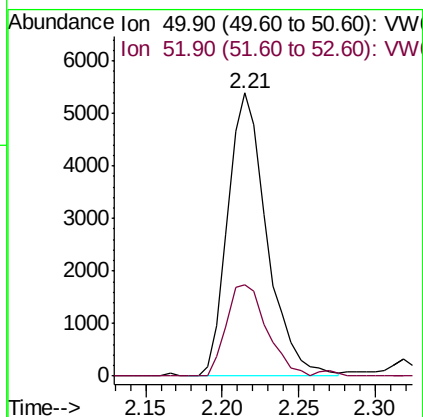
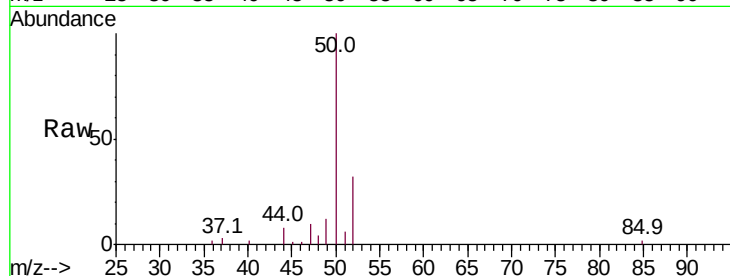
52 32.2 27.4 41.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.602 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW007475.D

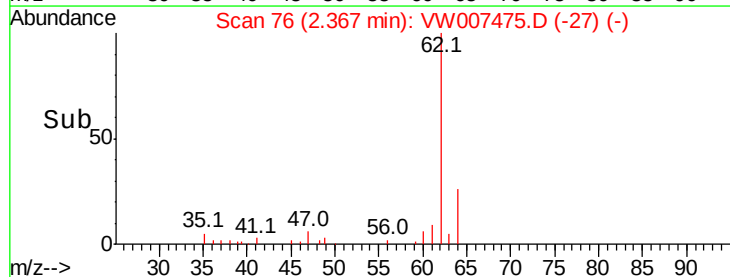
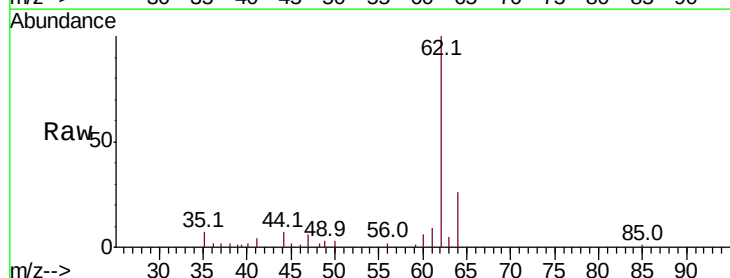
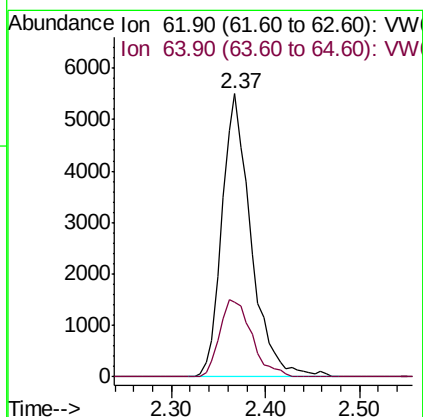
Acq: 13 Dec 2018 09:34

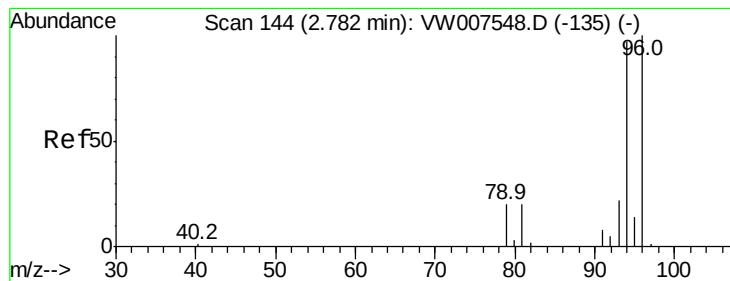
Tgt Ion: 62 Resp: 11825

Ion Ratio Lower Upper

62 100

64 26.4 24.6 37.0





#5

Bromomethane

Concen: 21.001 ug/l

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 94 Resp: 8099

Ion Ratio Lower Upper

94 100

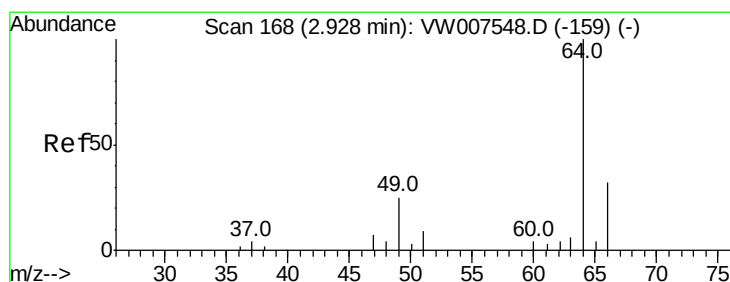
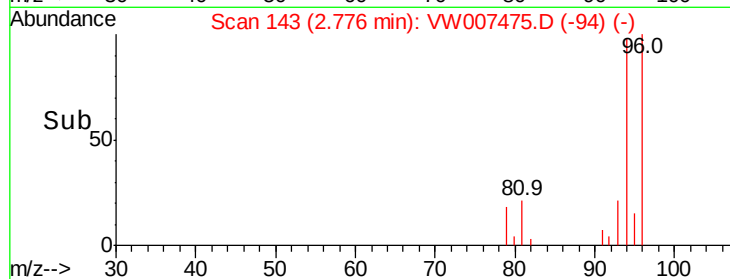
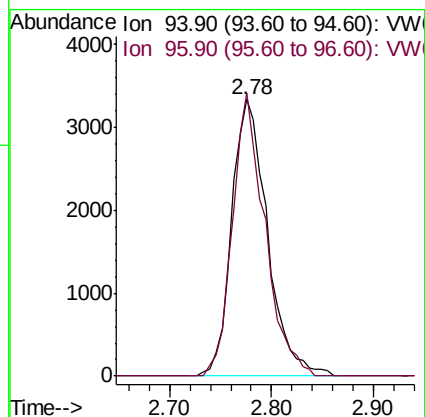
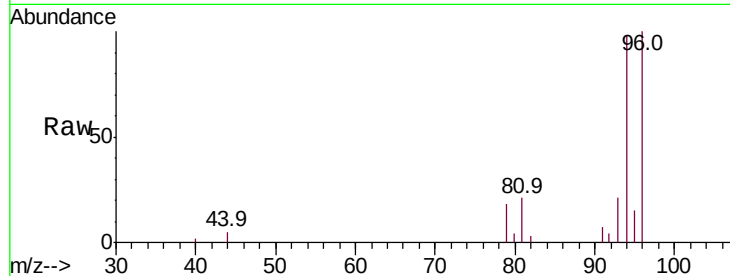
96 102.4 71.0 106.4

Manual Integrations

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#6

Chloroethane

Concen: 20.718 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.01 min

Lab File: VW007475.D

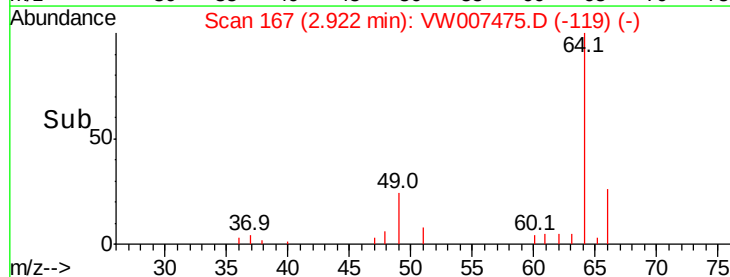
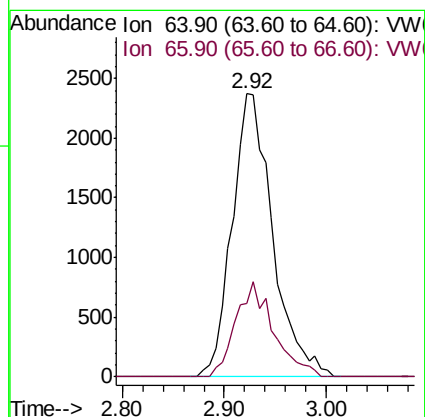
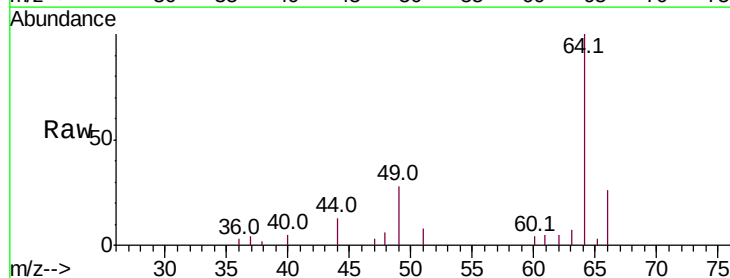
Acq: 13 Dec 2018 09:34

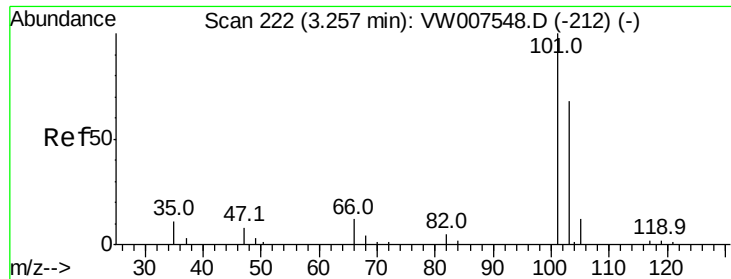
Tgt Ion: 64 Resp: 6546

Ion Ratio Lower Upper

64 100

66 25.9 24.6 37.0





#7

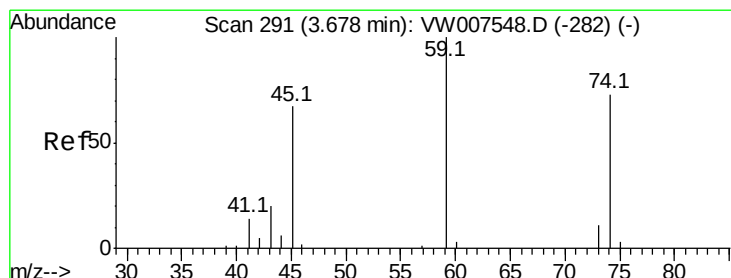
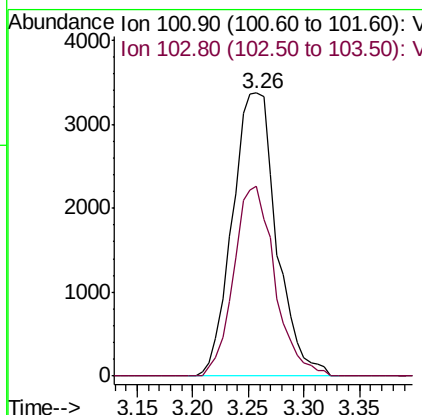
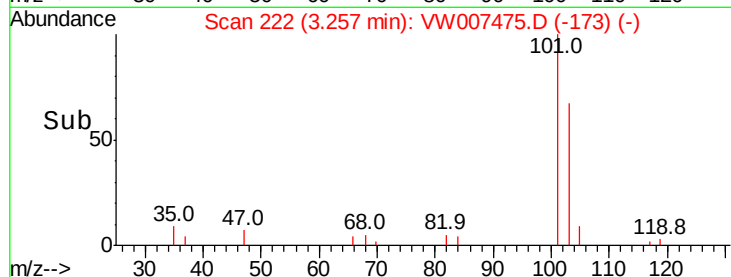
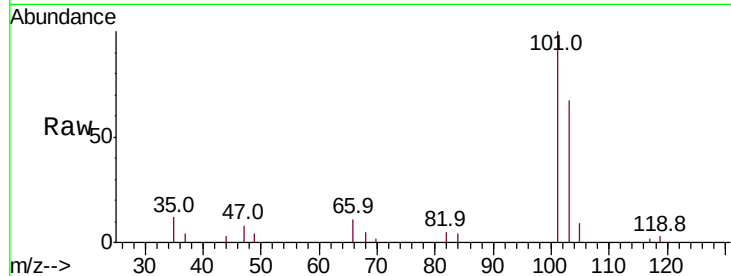
Trichlorofluoromethane
 Concen: 18.003 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.2	51.7	77.5

Manual Integrations
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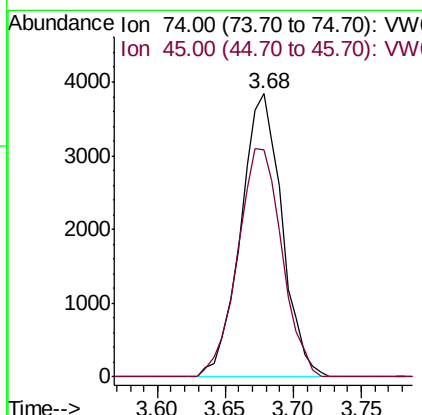
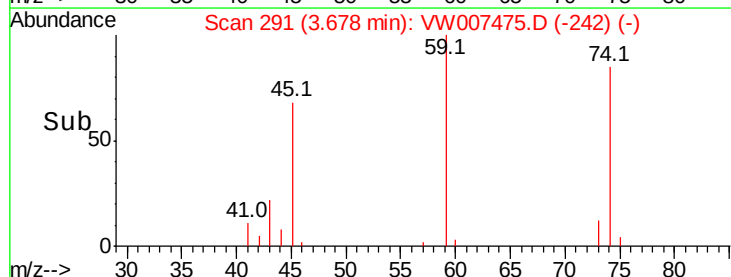
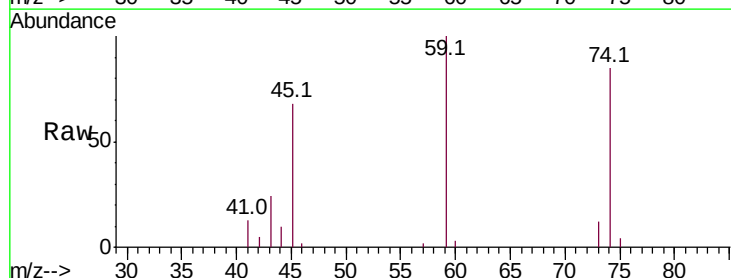
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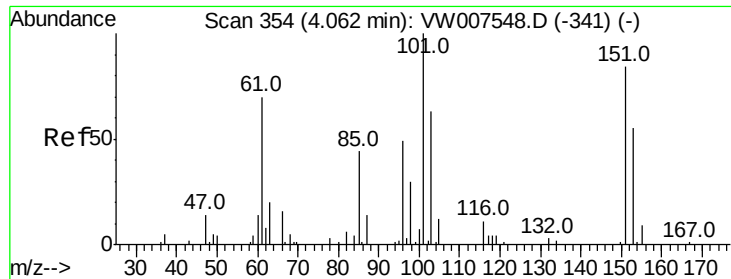


#8

Diethyl Ether
 Concen: 20.140 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	86.5	43.0	129.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.509 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

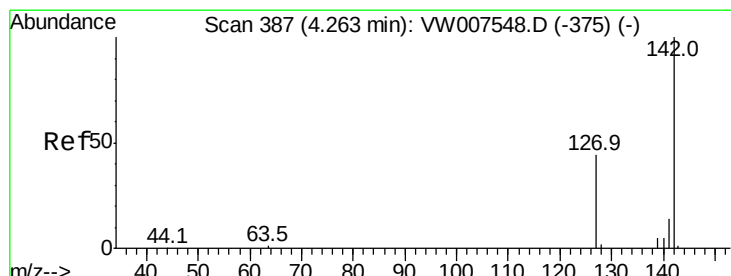
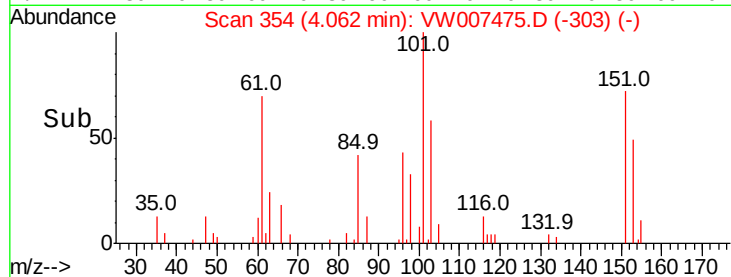
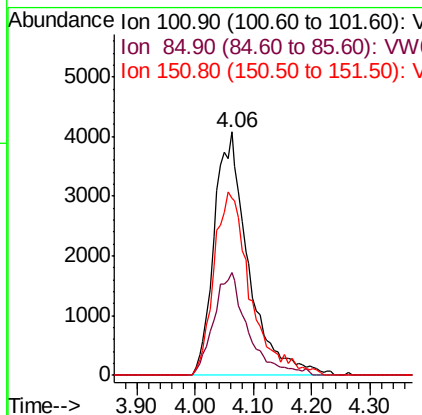
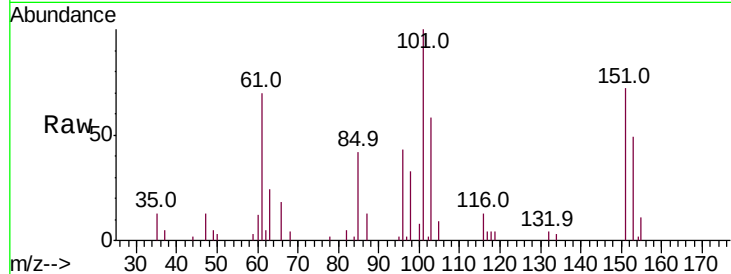
ClientSampleId :

VW1216SBS01

Tot Ion:	101	Resp:	16611
Ion Ratio	Lower	Upper	
101	100		
85	42.0	33.9	50.9
151	76.3	63.7	95.5

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#10

Methyl Iodide

Concen: 19.733 ug/l

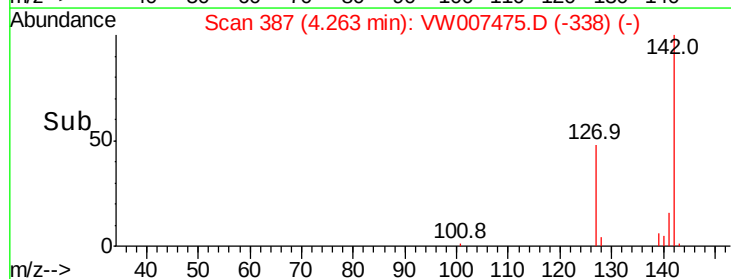
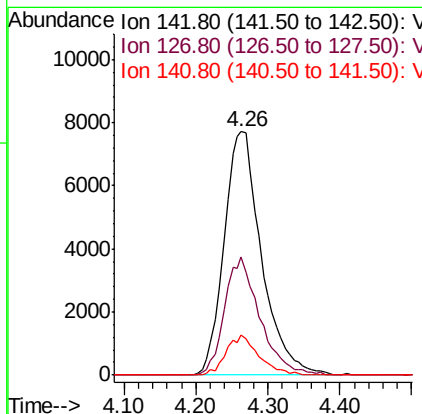
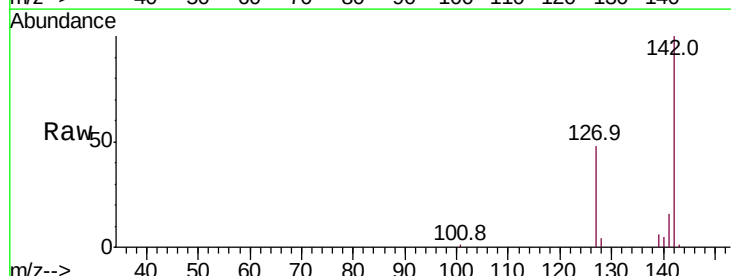
RT: 4.26 min Scan# 387

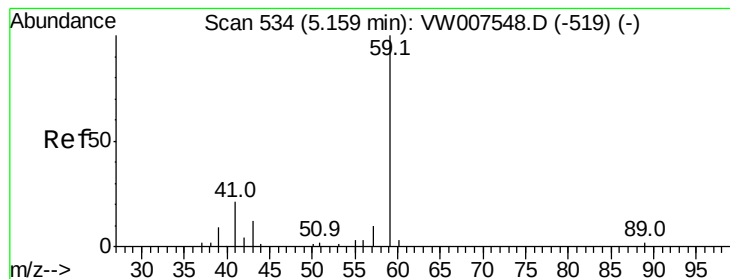
Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion:	142	Resp:	27828
Ion Ratio	Lower	Upper	
142	100		
127	45.4	35.8	53.6
141	14.5	11.1	16.7





#11

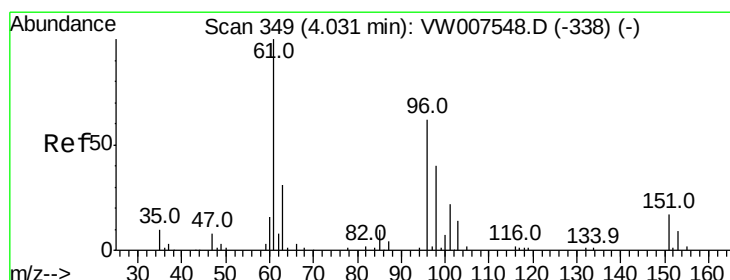
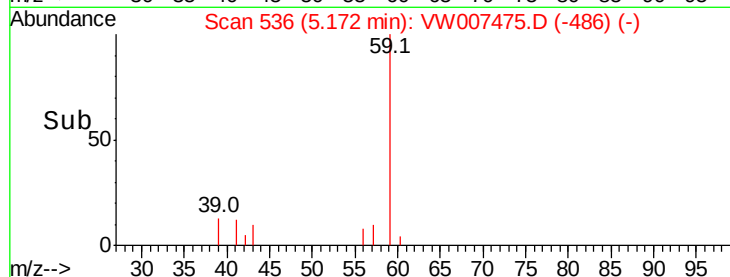
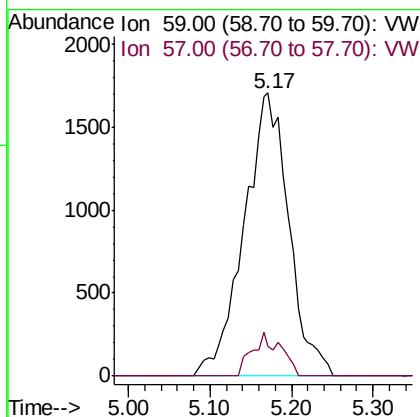
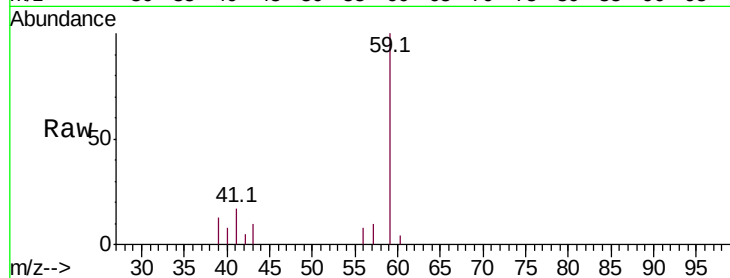
Tert butyl alcohol
 Concen: 102.049 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. 0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.6	7.6	11.4#

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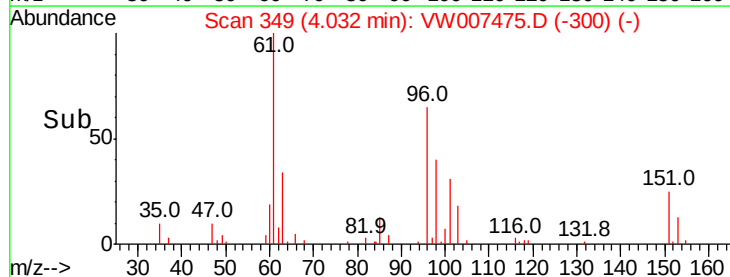
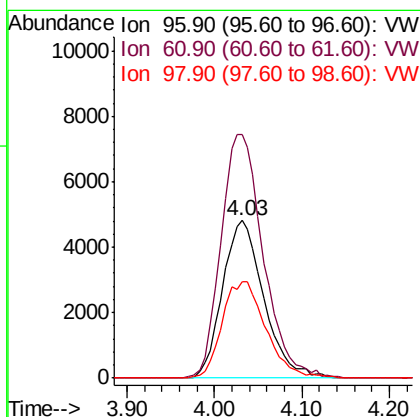
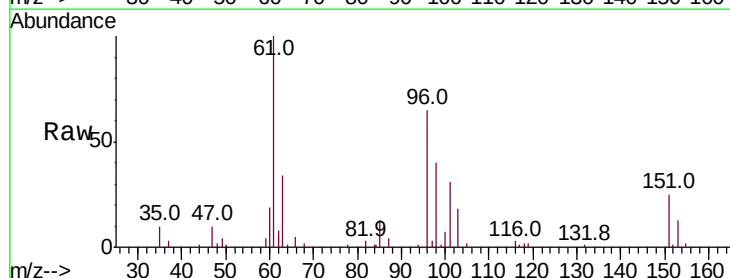
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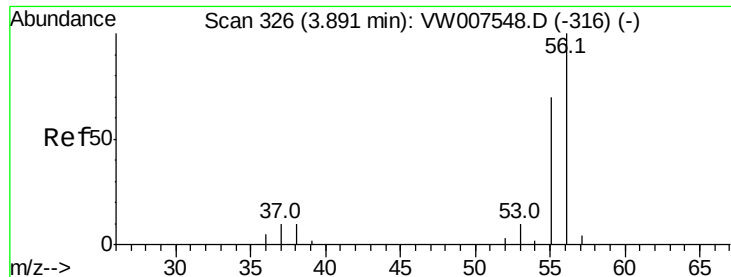


#12

1,1-Dichloroethene
 Concen: 19.218 ug/l
 RT: 4.03 min Scan# 349
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.7	126.2	189.2
98	61.2	48.3	72.5





#13

Acrolein

Concen: 68.022 ug/l

RT: 3.89 min Scan# 326

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 56 Resp: 2866

Ion Ratio Lower Upper

56 100

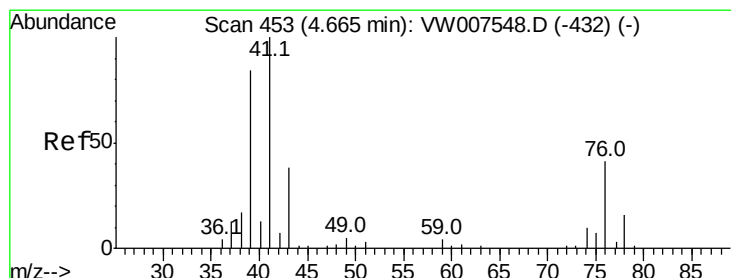
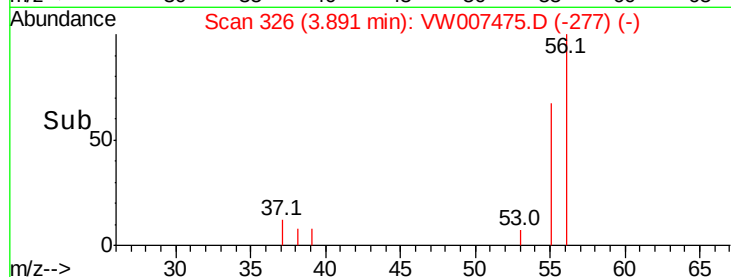
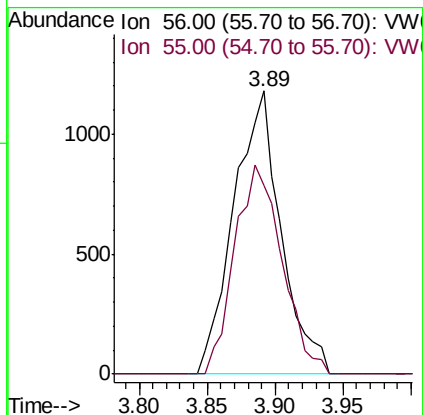
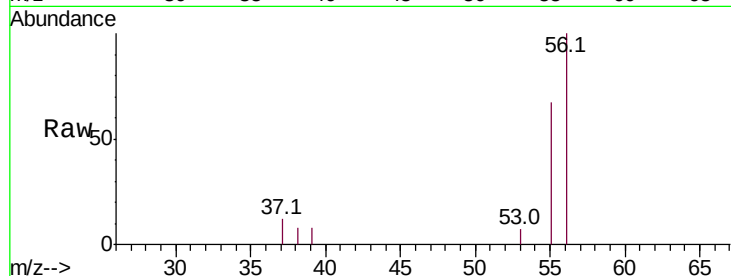
55 74.2 57.4 86.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.324 ug/l

RT: 4.66 min Scan# 452

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

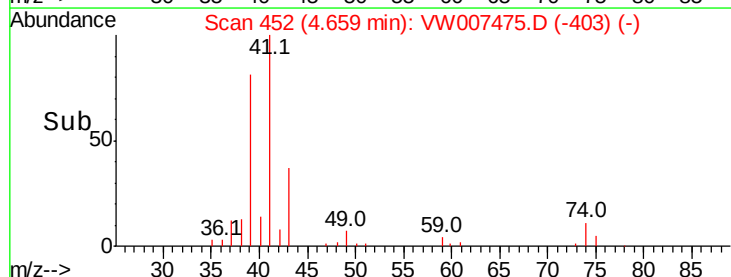
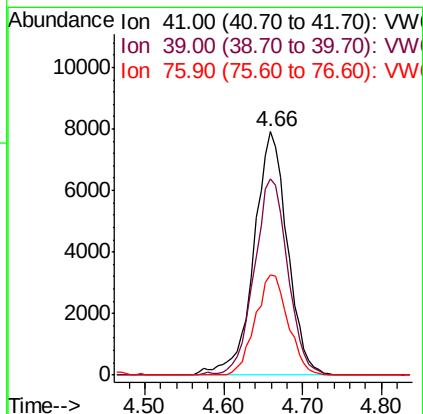
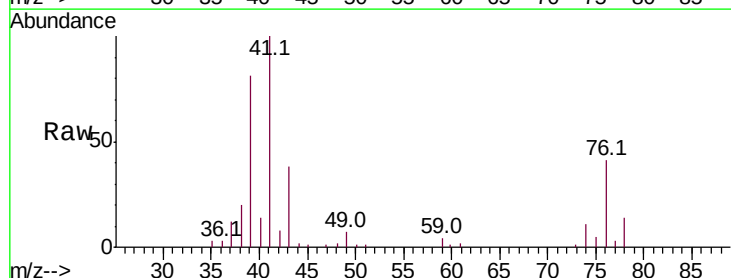
Tgt Ion: 41 Resp: 23351

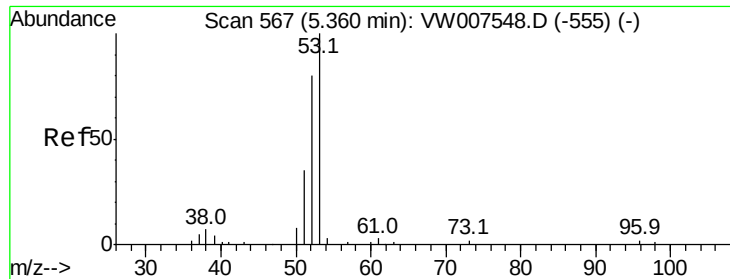
Ion Ratio Lower Upper

41 100

39 80.8 63.4 95.2

76 40.1 32.1 48.1





#15

Acrylonitrile

Concen: 101.333 ug/l

RT: 5.37 min Scan# 568

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

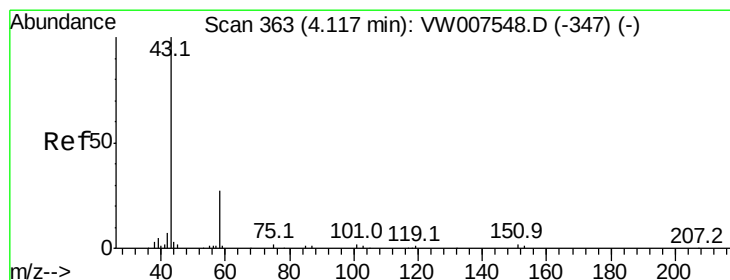
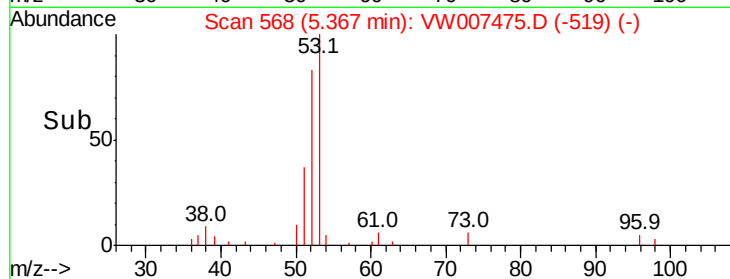
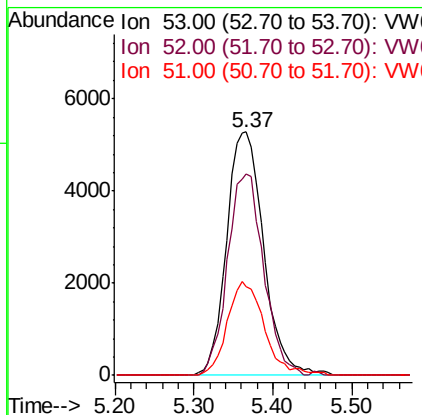
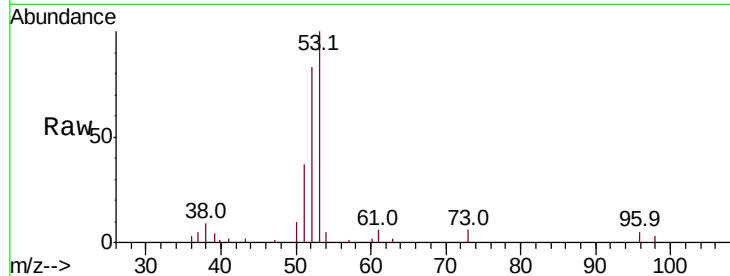
ClientSampleId :

VW1216SBS01

Tot Ion:	53	Resp:	17253
Ion	Ratio	Lower	Upper
53	100		
52	80.6	67.4	101.2
51	38.5	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 86.375 ug/l

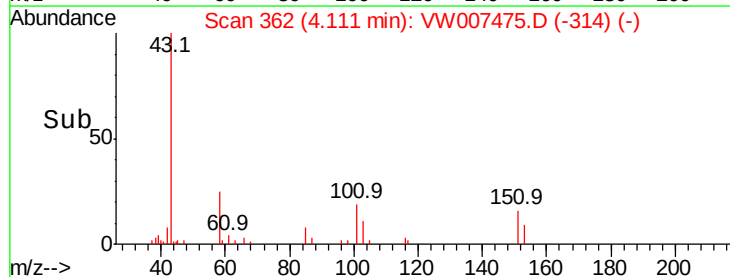
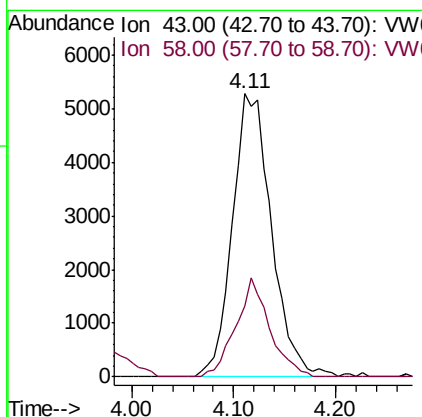
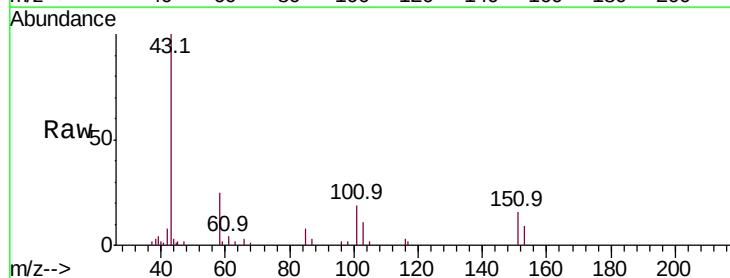
RT: 4.11 min Scan# 362

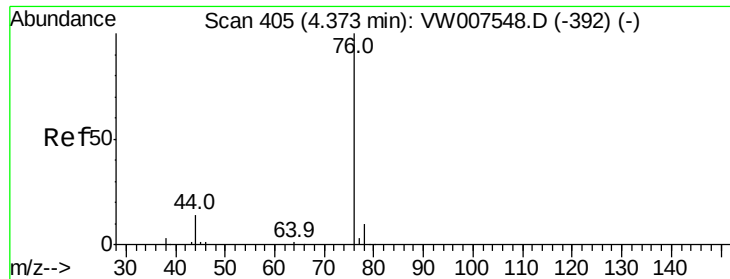
Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion:	43	Resp:	13988
Ion	Ratio	Lower	Upper
43	100		
58	25.1	24.9	37.3





#17

Carbon Disulfide

Concen: 18.992 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 76 Resp: 47207

Ion Ratio Lower Upper

76 100

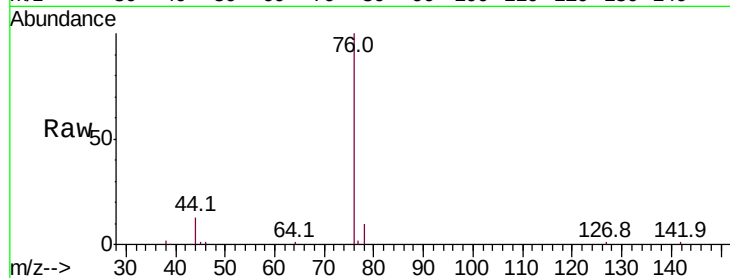
78 10.0 7.1 10.7

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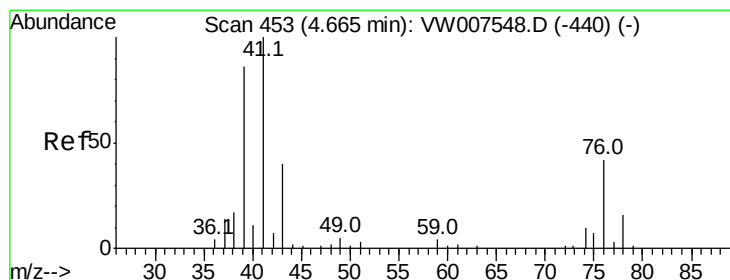
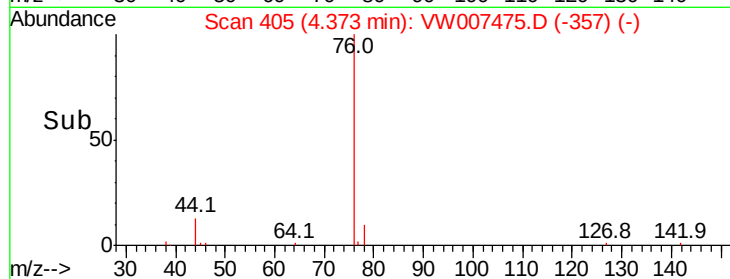
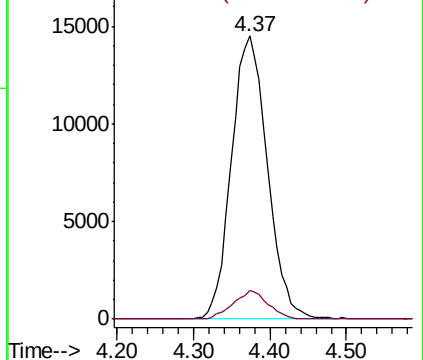
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 21.088 ug/l

RT: 4.67 min Scan# 453

Delta R.T. 0.00 min

Lab File: VW007475.D

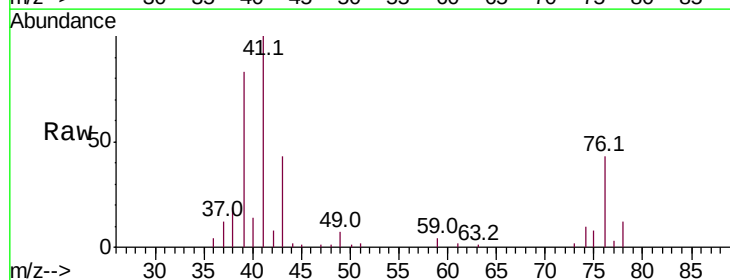
Acq: 13 Dec 2018 09:34

Tgt Ion: 43 Resp: 9269

Ion Ratio Lower Upper

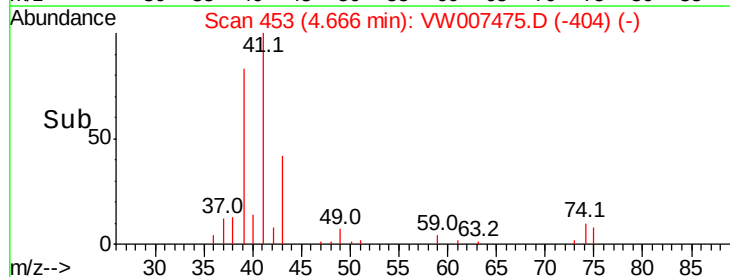
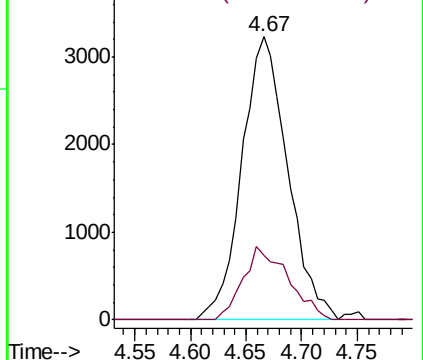
43 100

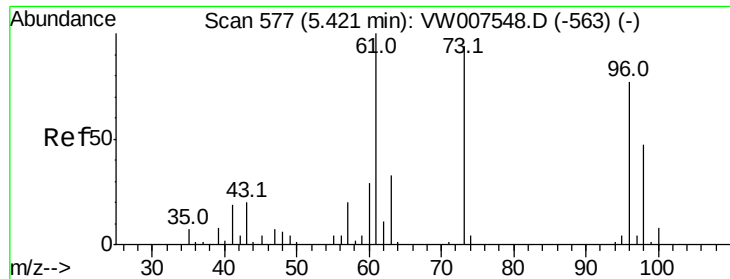
74 25.5 21.1 31.7



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





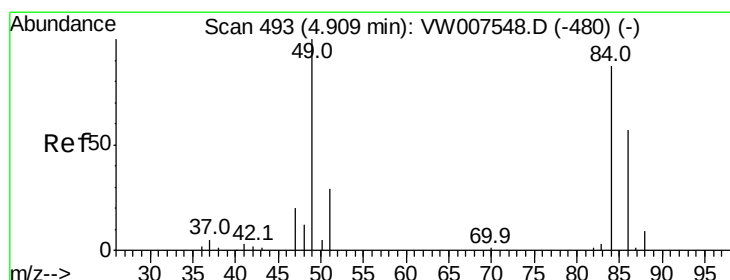
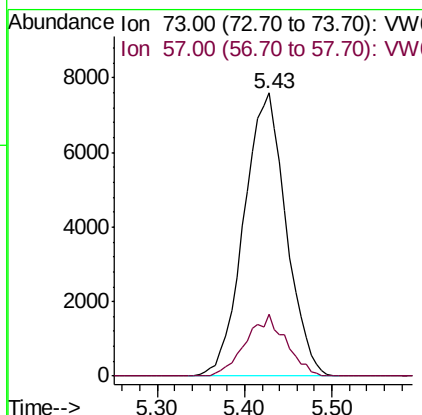
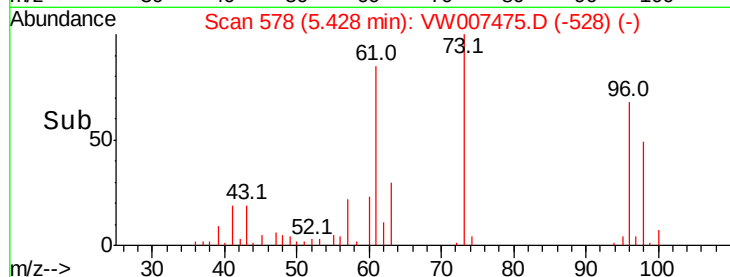
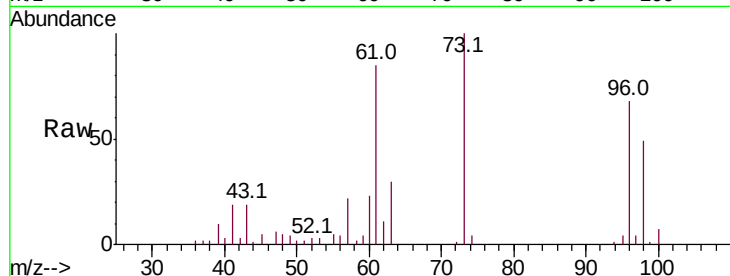
#19
Methyl tert-butyl Ether
Concen: 20.618 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion: 73 Resp: 25498
Ion Ratio Lower Upper
73 100
57 21.9 16.4 24.6

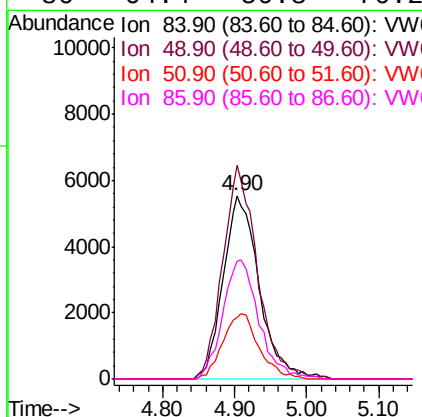
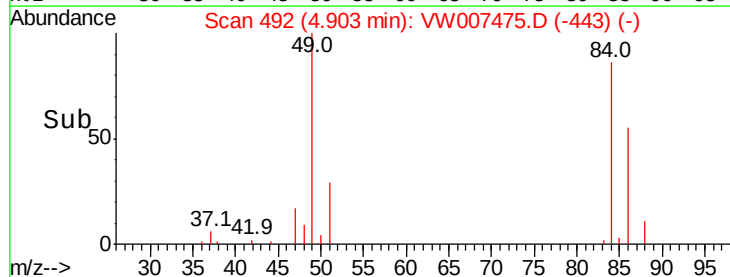
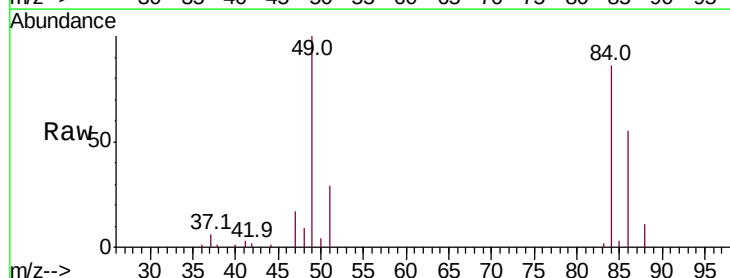
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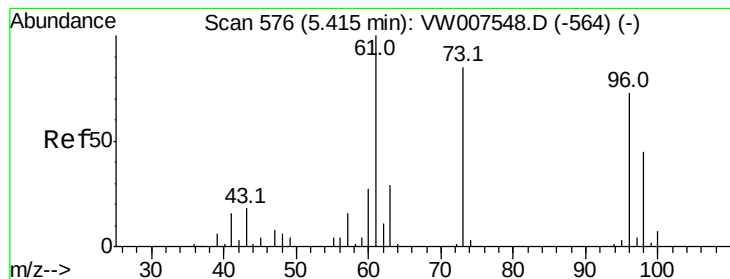
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#20
Methylene Chloride
Concen: 19.291 ug/l
RT: 4.90 min Scan# 492
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 84 Resp: 19215
Ion Ratio Lower Upper
84 100
49 116.3 87.1 130.7
51 33.3 28.2 42.2
86 64.4 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 20.043 ug/l

RT: 5.42 min Scan# 576

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 96 Resp: 18381

Ion Ratio Lower Upper

96 100

61 130.5 105.0 157.6

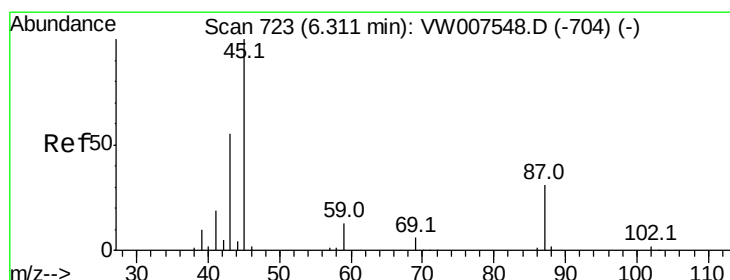
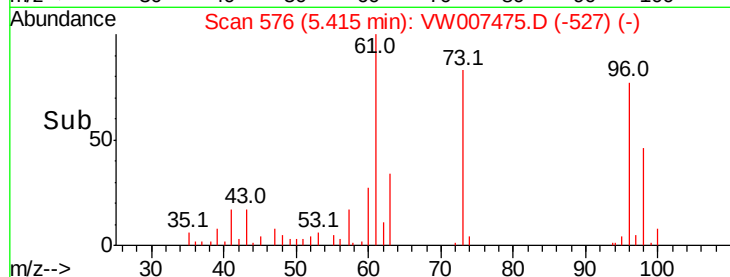
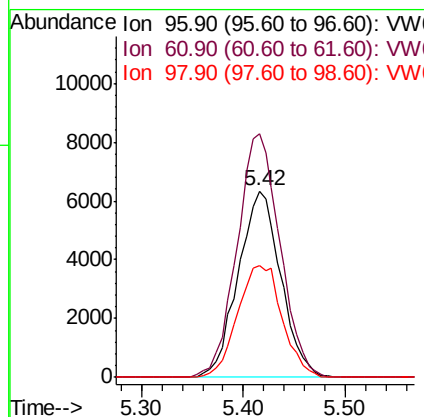
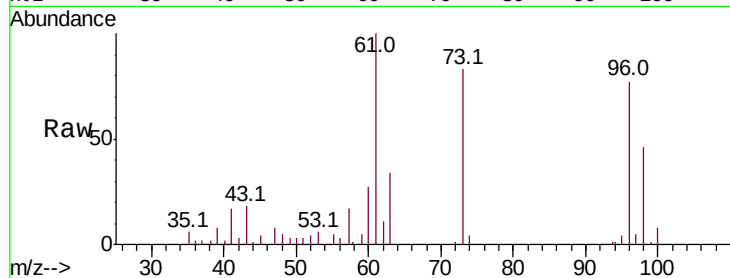
98 60.1 49.7 74.5

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#22

Diisopropyl ether

Concen: 20.039 ug/l

RT: 6.31 min Scan# 723

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion: 45 Resp: 46545

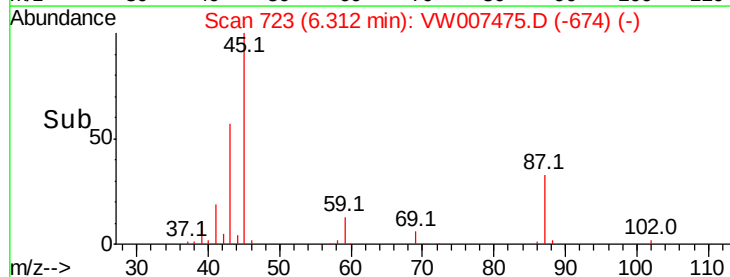
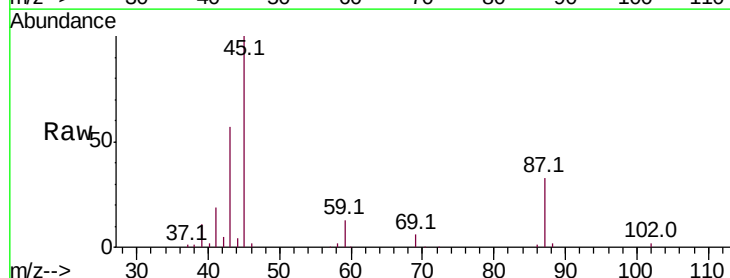
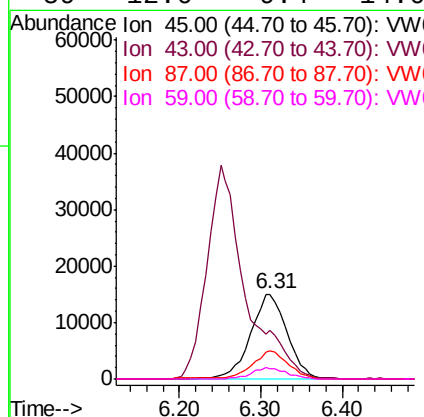
Ion Ratio Lower Upper

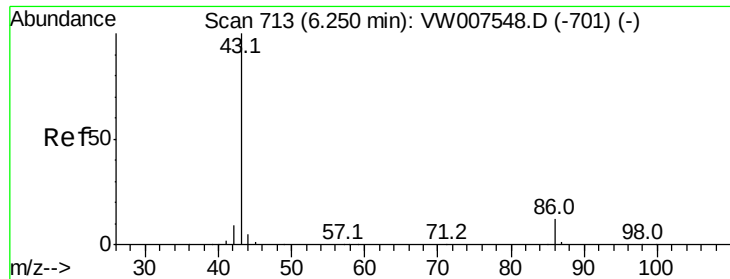
45 100

43 56.0 41.6 62.4

87 33.1 24.3 36.5

59 12.6 9.4 14.0





#23

Vinyl Acetate

Concen: 96.030 ug/l

RT: 6.25 min Scan# 713

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 43 Resp: 124760

Ion Ratio Lower Upper

43 100

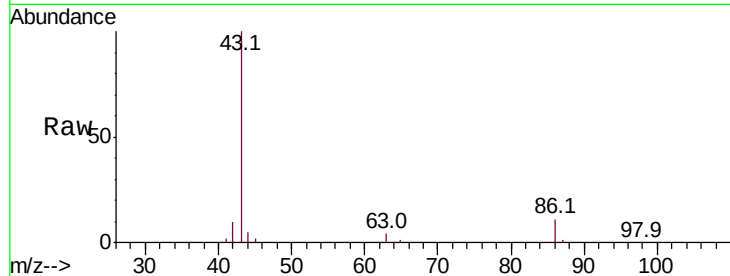
86 11.1 8.6 12.8

Manual Integrations

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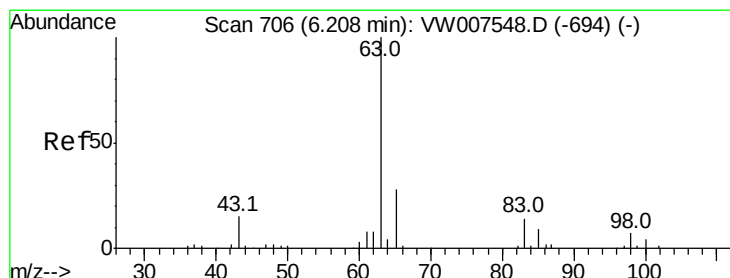
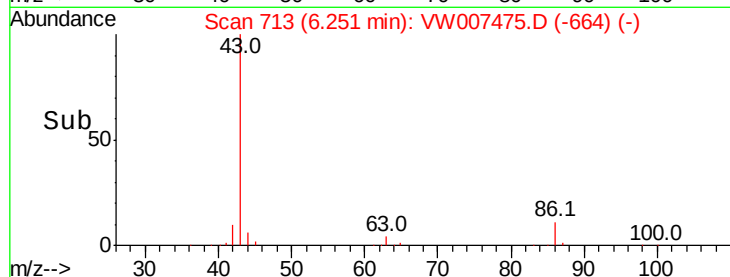
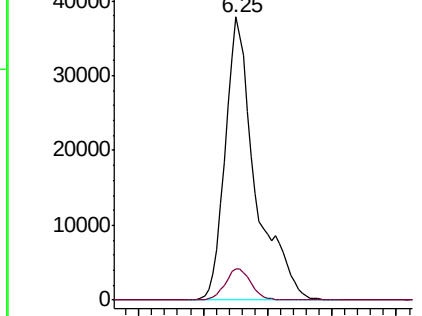
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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 20.135 ug/l

RT: 6.21 min Scan# 707

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

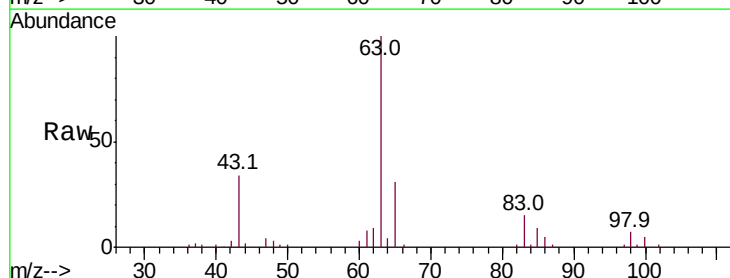
Tgt Ion: 63 Resp: 31608

Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.4

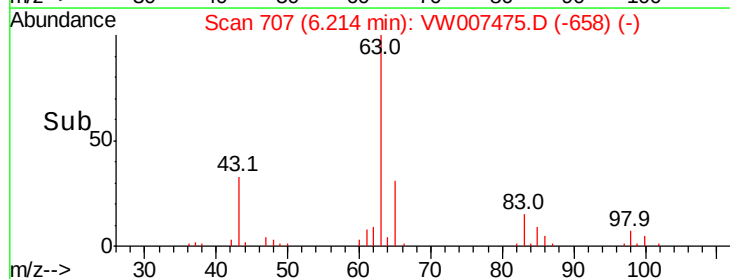
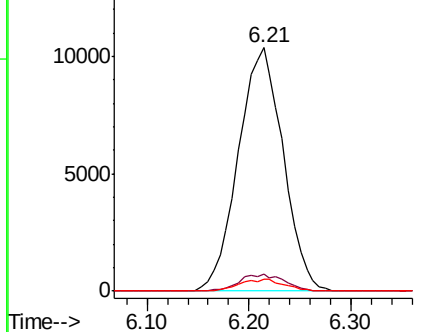
100 4.9 2.5 7.5

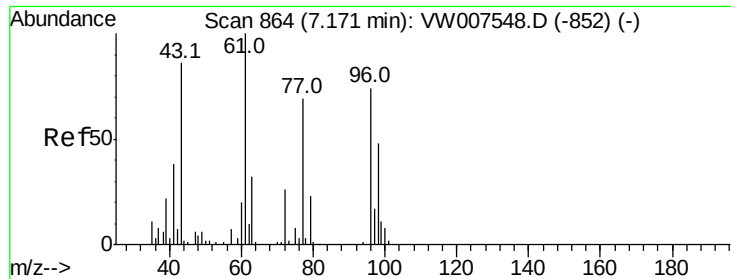


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 94.500 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 43 Resp: 19979

Ion Ratio Lower Upper

43 100

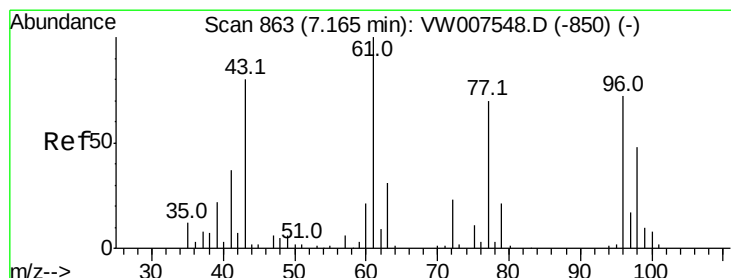
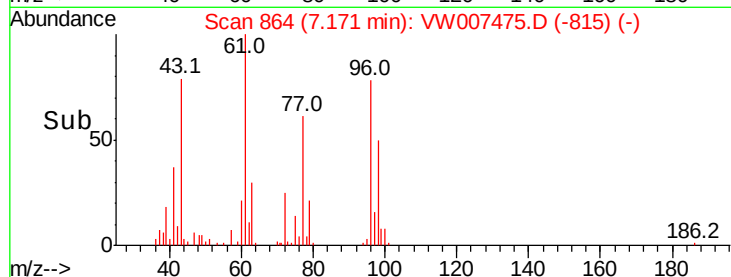
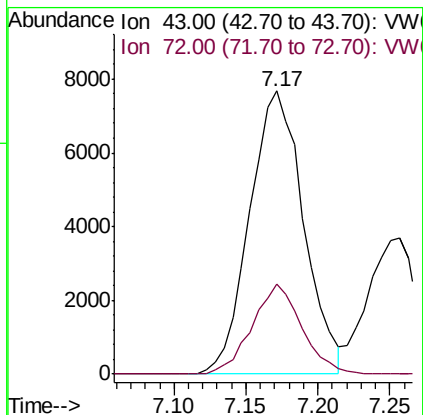
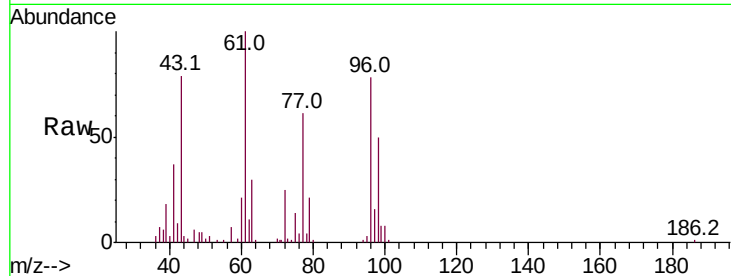
72 31.8 23.4 35.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 18.331 ug/l

RT: 7.17 min Scan# 863

Delta R.T. 0.00 min

Lab File: VW007475.D

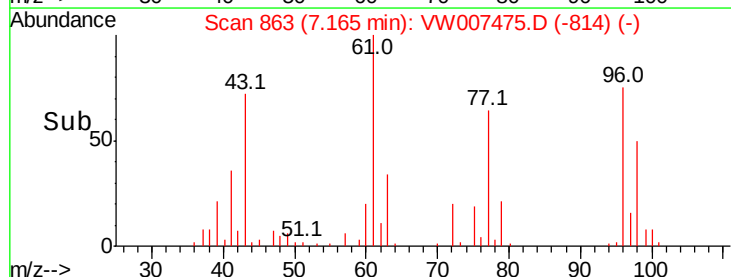
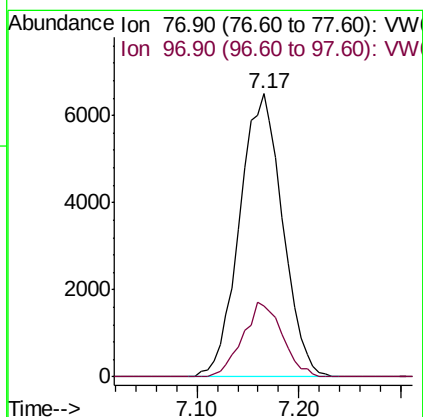
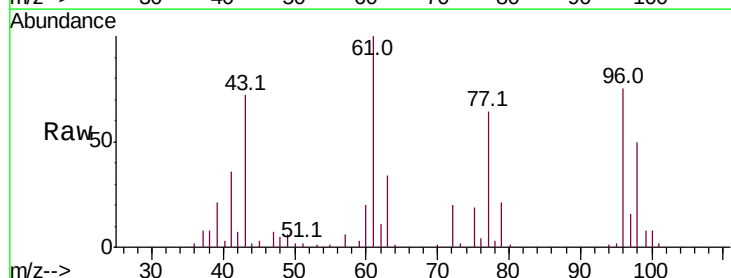
Acq: 13 Dec 2018 09:34

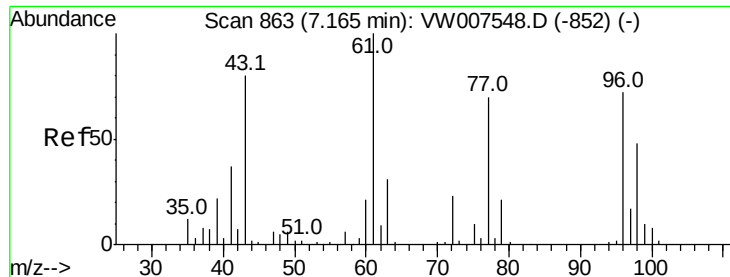
Tgt Ion: 77 Resp: 19045

Ion Ratio Lower Upper

77 100

97 24.2 11.6 34.8





#27

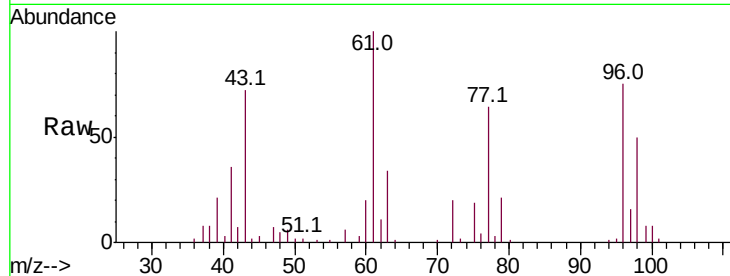
cis-1,2-Dichloroethene
Concen: 20.157 ug/l
RT: 7.17 min Scan# 863
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampled :
VW1216SBS01

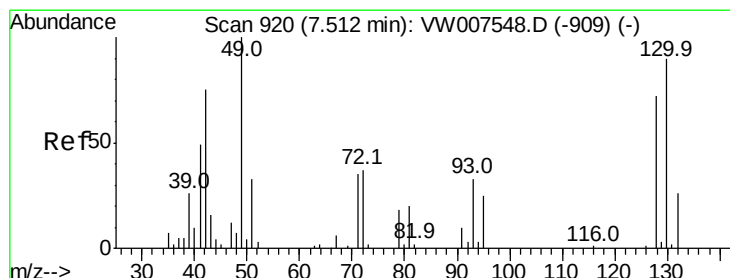
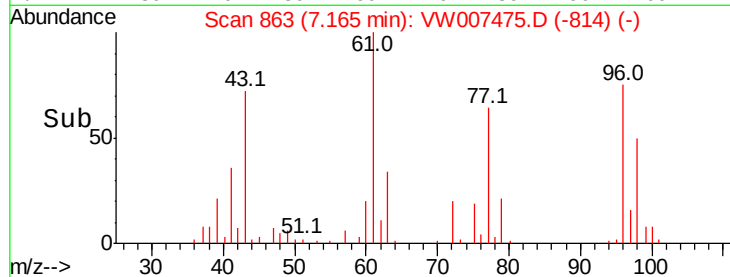
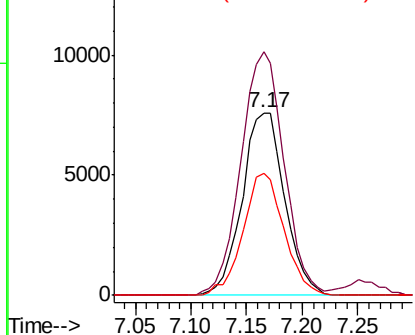
Tot Ion	Ratio	Lower	Upper
96	100		
61	134.7	0.0	268.4
98	64.3	0.0	127.8

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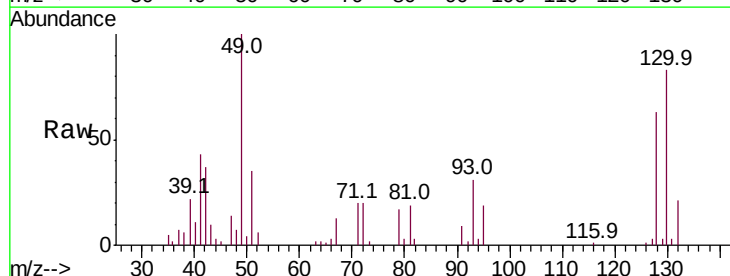
Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



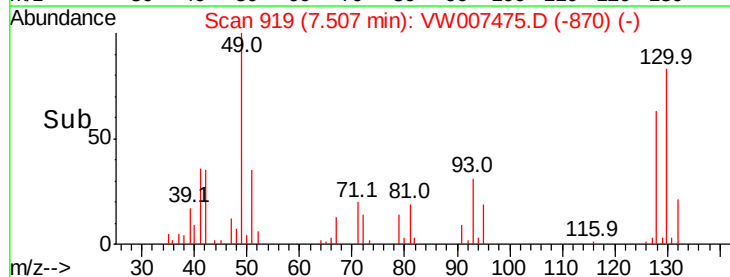
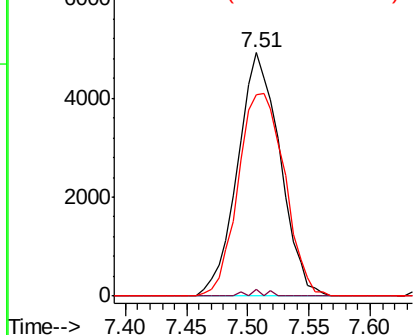
#28

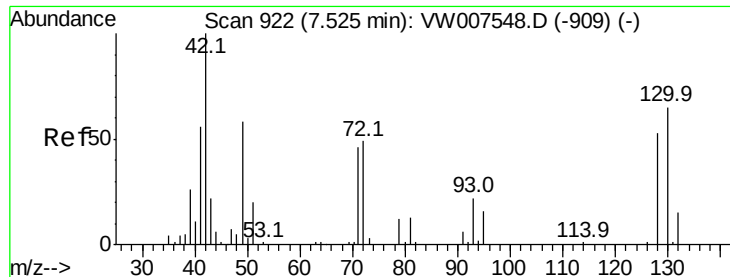
Bromochloromethane
Concen: 20.080 ug/l
RT: 7.51 min Scan# 919
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.8	0.0	2.6
130	91.2	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: 98.938 ug/l

RT: 7.52 min Scan# 922

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 42 Resp: 13242

Ion Ratio Lower Upper

42 100

72 51.5 38.2 57.4

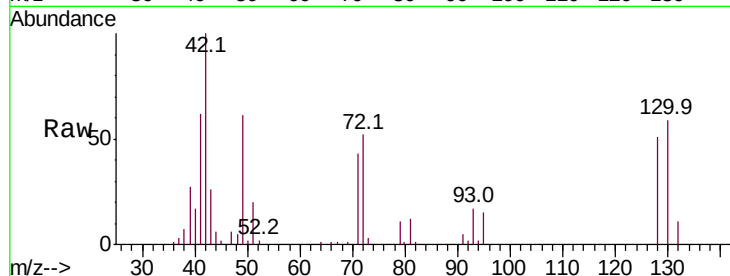
71 47.4 35.5 53.3

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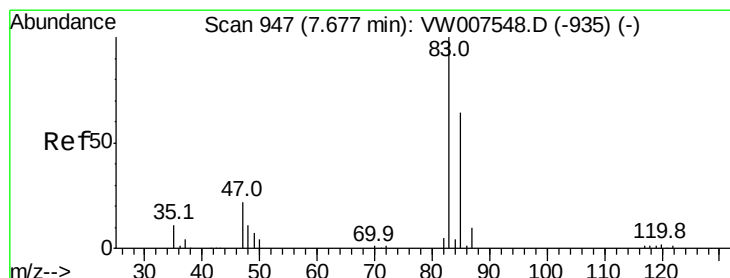
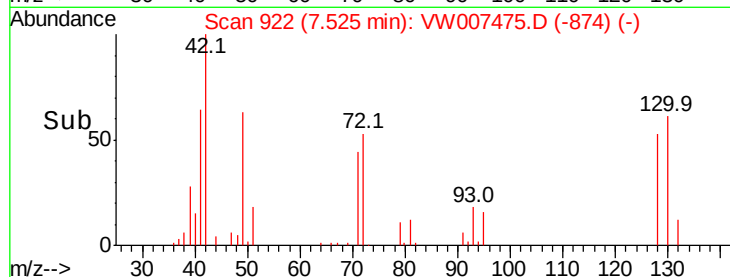
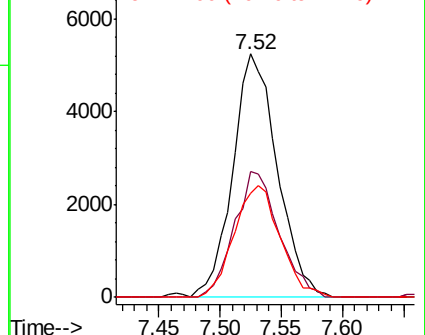
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Abundance Ion 42.00 (41.70 to 42.70): VW
Ion 72.00 (71.70 to 72.70): VW
Ion 71.00 (70.70 to 71.70): VW



#30

Chloroform

Concen: 20.052 ug/l

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW007475.D

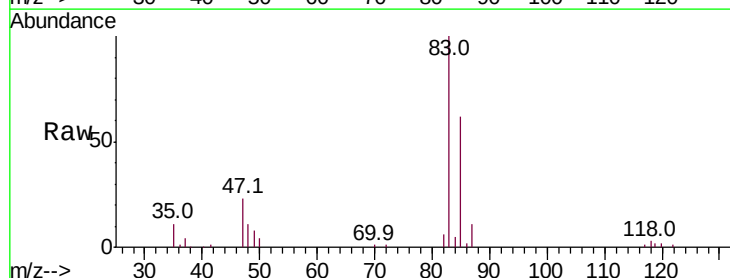
Acq: 13 Dec 2018 09:34

Tgt Ion: 83 Resp: 34256

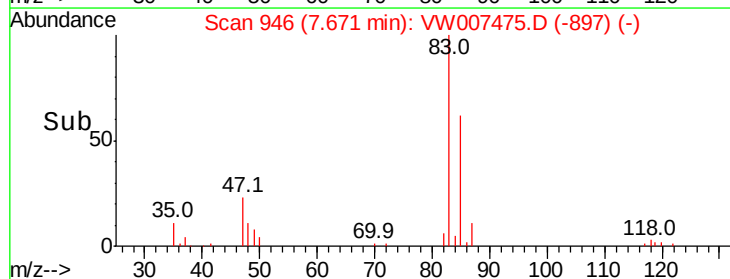
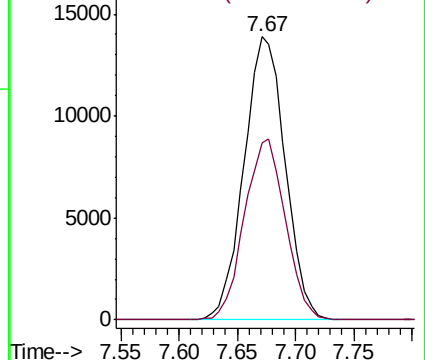
Ion Ratio Lower Upper

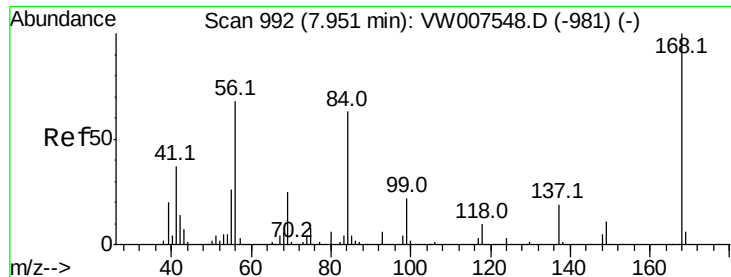
83 100

85 62.4 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 84.90 (84.60 to 85.60): VW





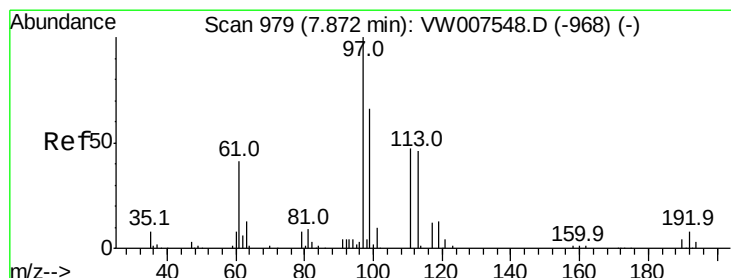
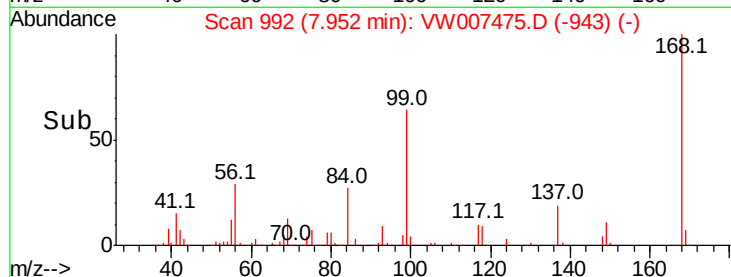
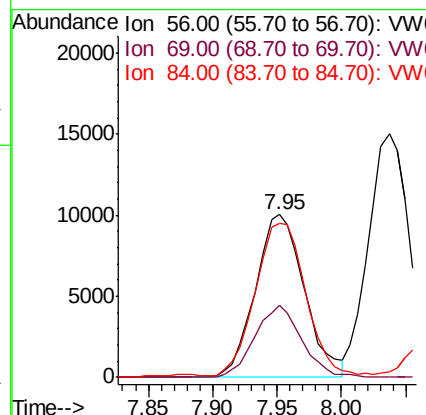
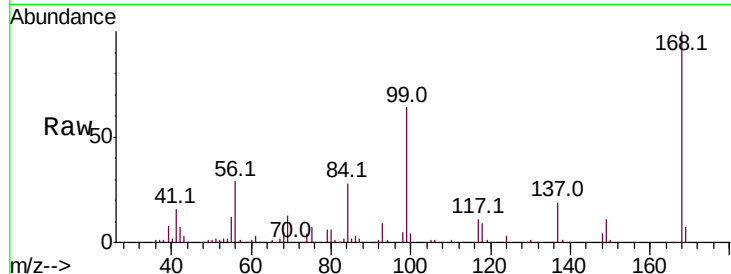
#31
Cyclohexane
Concen: 18.486 ug/l
RT: 7.95 min Scan# 992
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.4	28.9	43.3#
84	92.9	71.8	107.6

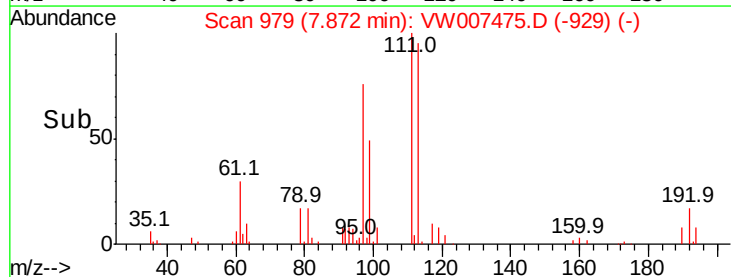
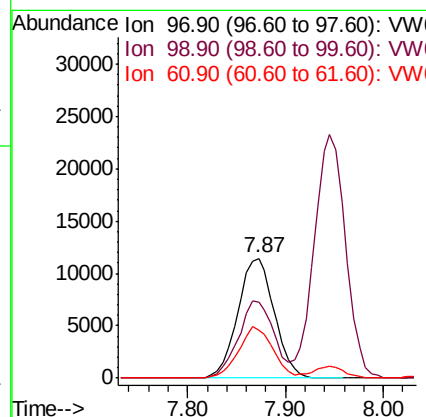
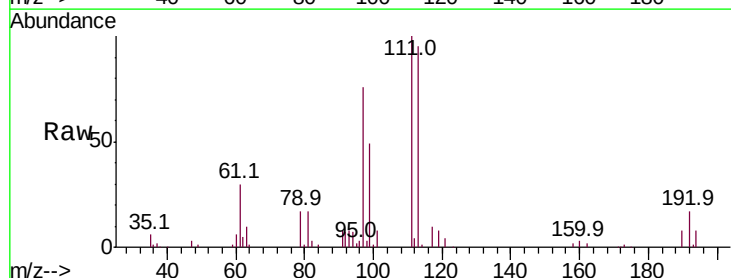
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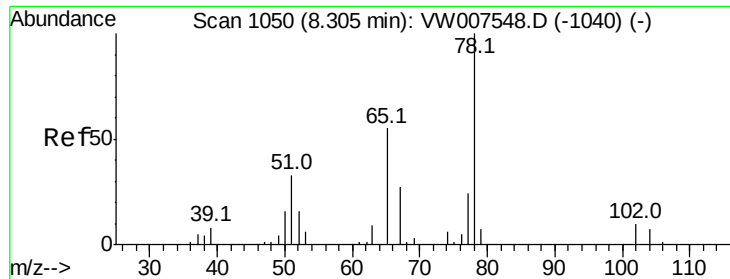
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#32
1,1,1-Trichloroethane
Concen: 19.689 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.8	51.1	76.7
61	40.8	33.2	49.8





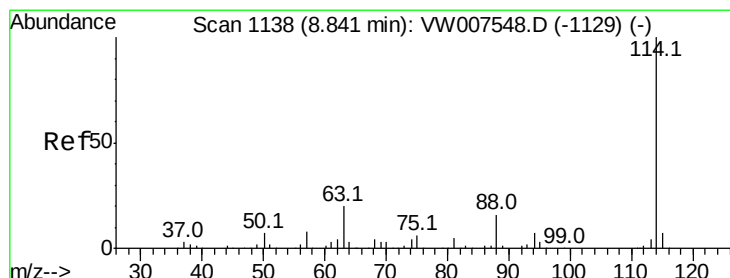
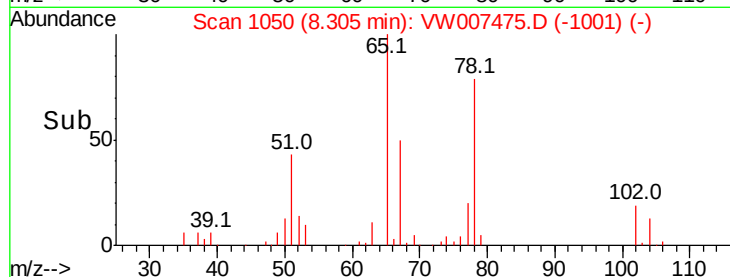
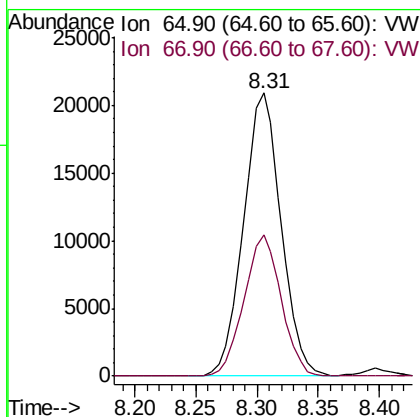
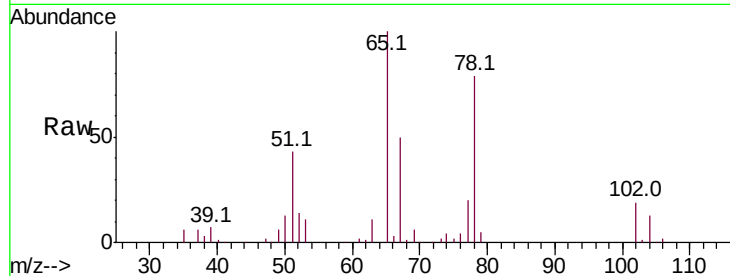
#33
 1,2-Dichloroethane-d4
 Concen: 48.153 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	49.4	0.0	101.6	

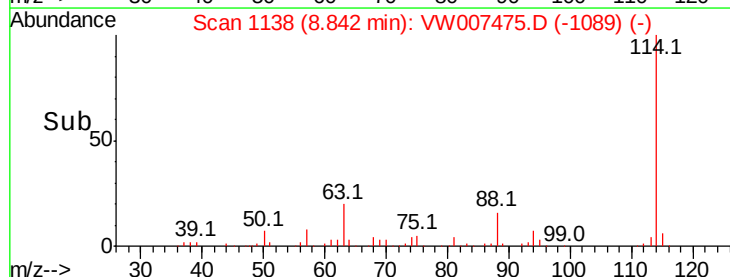
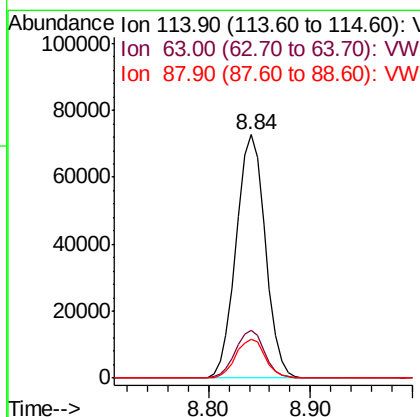
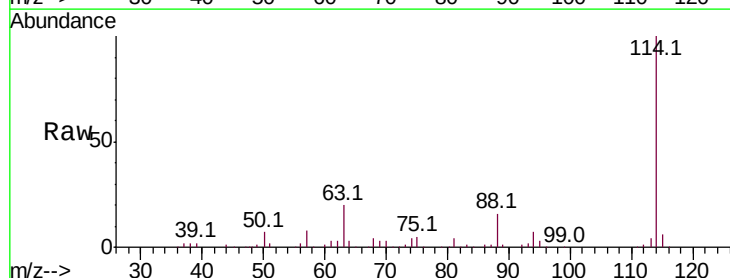
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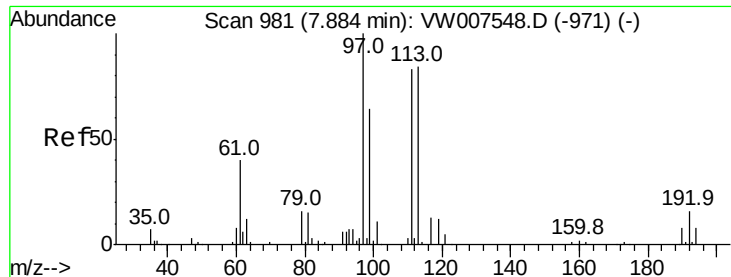
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.7	0.0	39.6	
88	16.2	0.0	31.4	





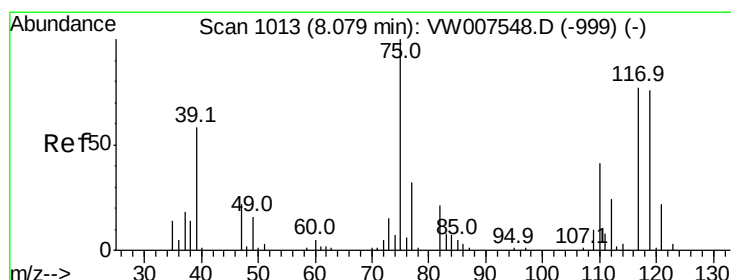
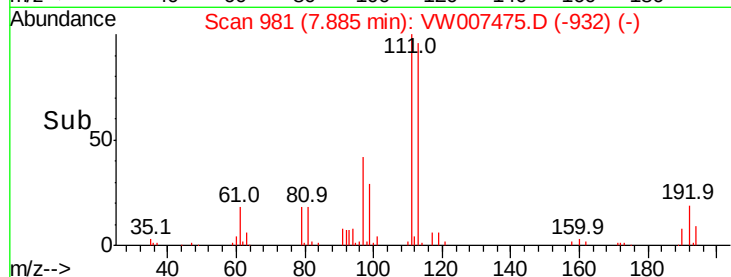
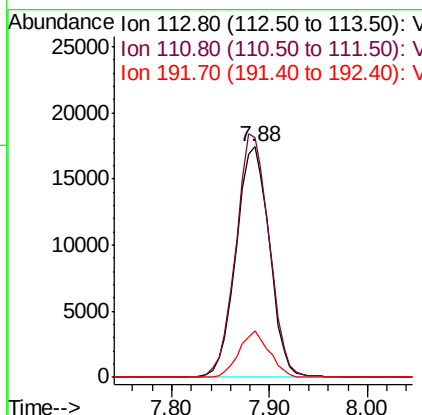
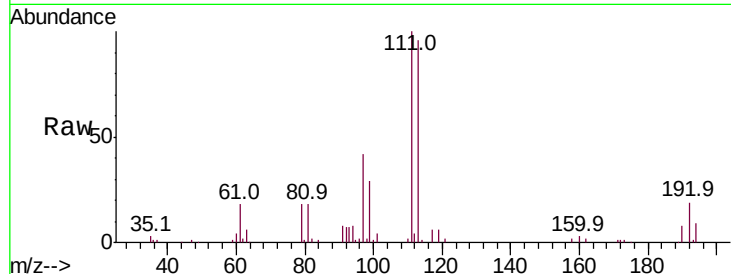
#35
 Dibromofluoromethane
 Concen: 47.673 ug/l
 RT: 7.88 min Scan# 981
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
113	100		
111	105.0	81.1	121.7
192	18.1	14.6	21.8

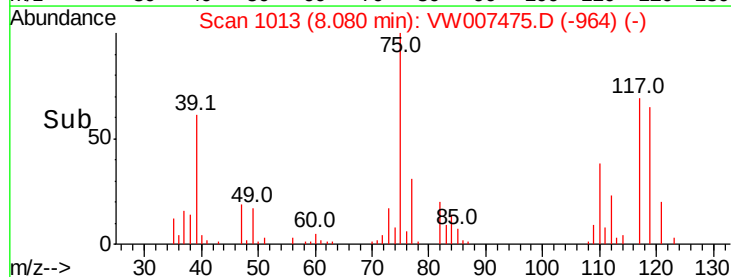
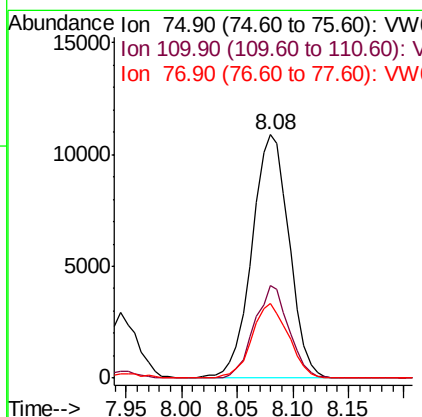
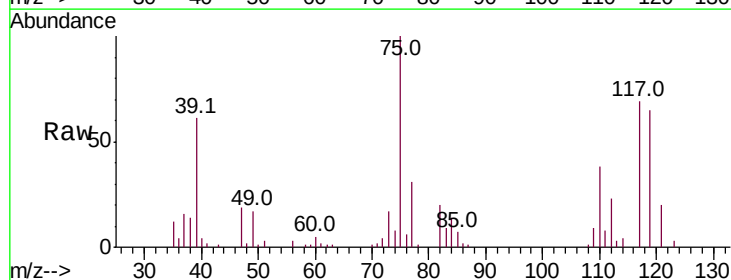
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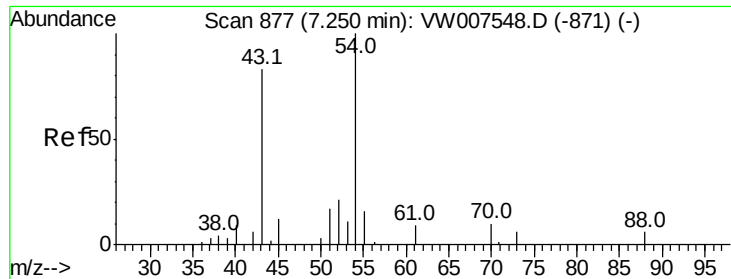
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#36
 1,1-Dichloropropene
 Concen: 19.340 ug/l
 RT: 8.08 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	18.5	55.5
77	30.0	25.6	38.4





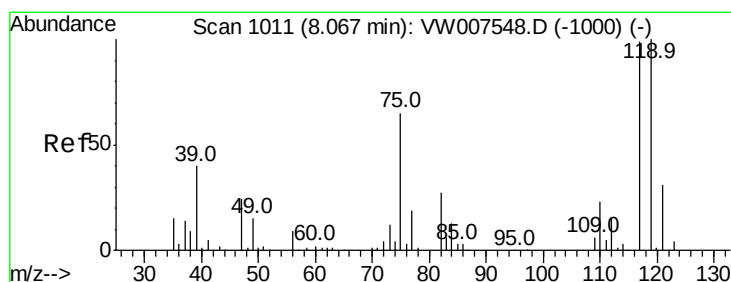
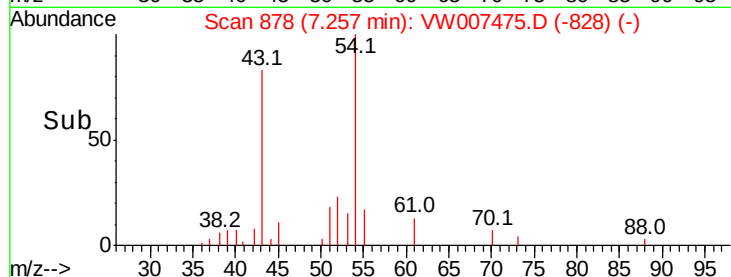
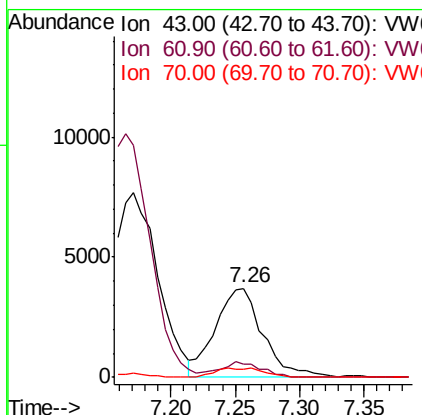
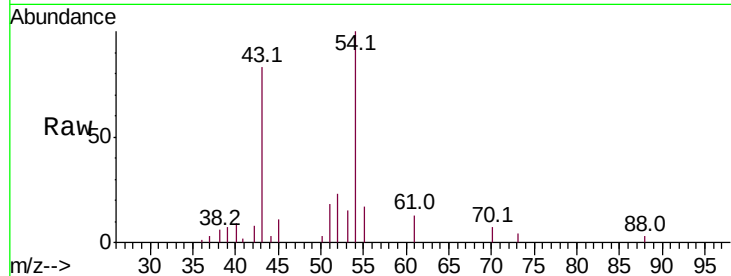
#37
Ethyl Acetate
Concen: 19.642 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	12.1	18.1
70	10.6	10.0	15.0

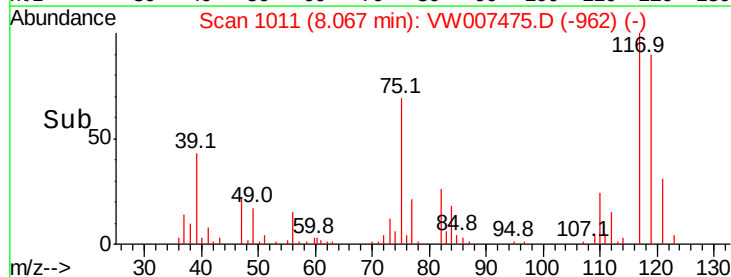
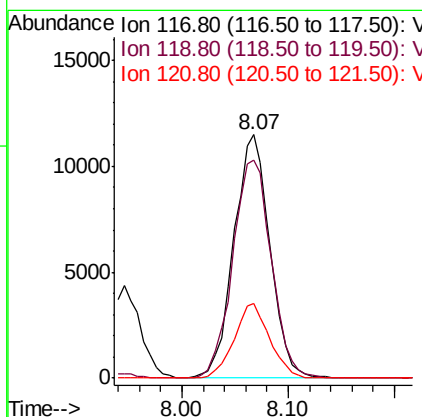
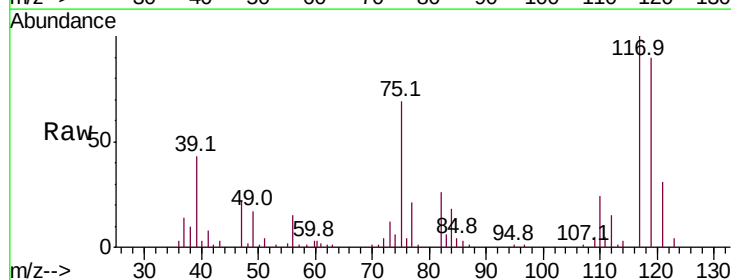
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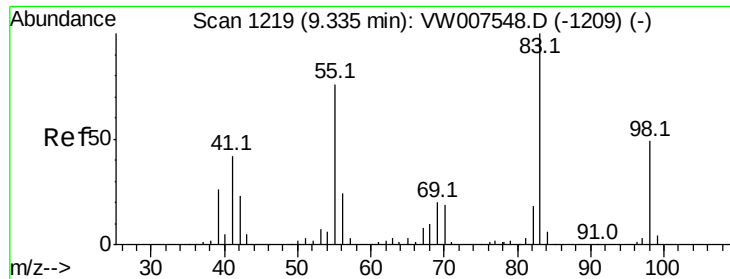
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#38
Carbon Tetrachloride
Concen: 19.217 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
117	100		
119	89.6	74.3	111.5
121	30.9	24.3	36.5





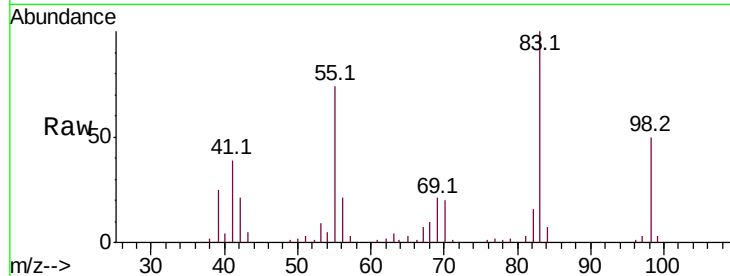
#39
Methylvlcyclohexane
Concen: 19.087 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

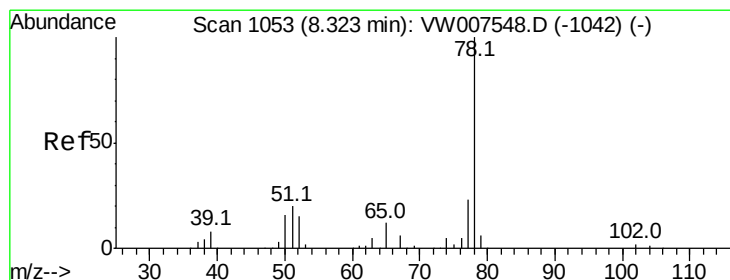
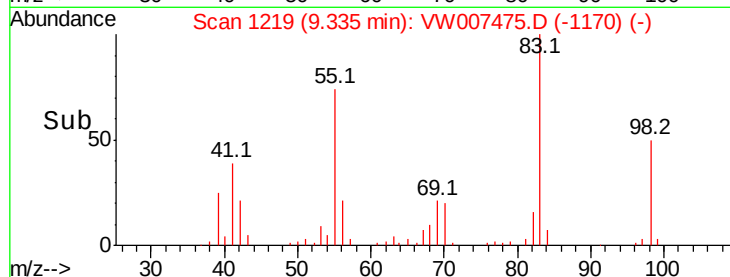
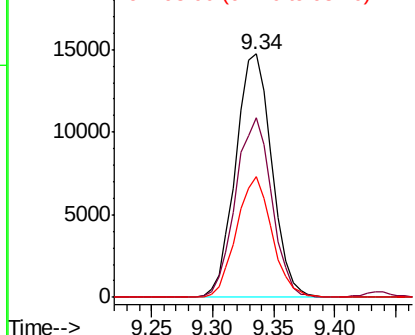
Tot Ion	Ratio	Lower	Upper
83	100		
55	73.6	62.8	94.2
98	49.7	42.2	63.2

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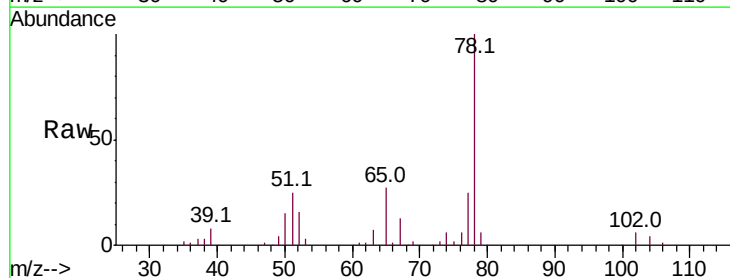


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

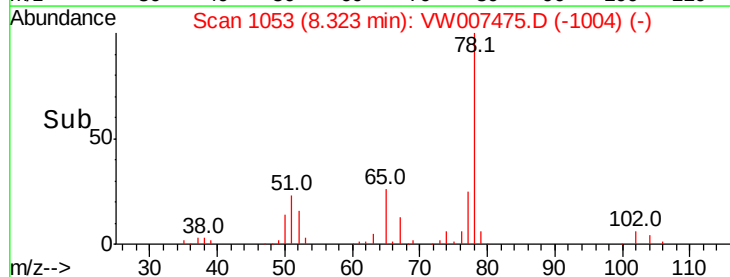
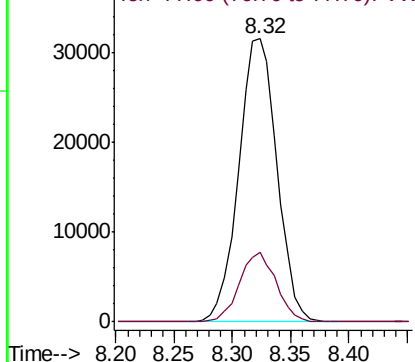


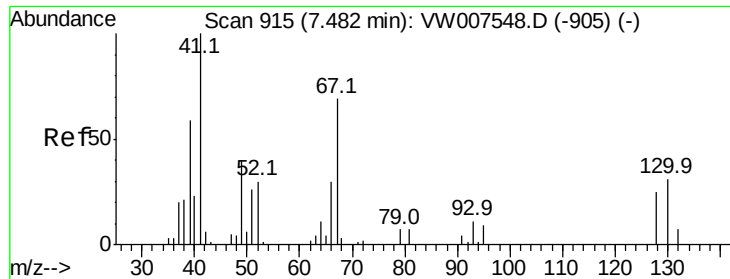
#40
Benzene
Concen: 19.834 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.8	28.2



Abundance Ion 78.00 (77.70 to 78.70): VW
Ion 77.00 (76.70 to 77.70): VW





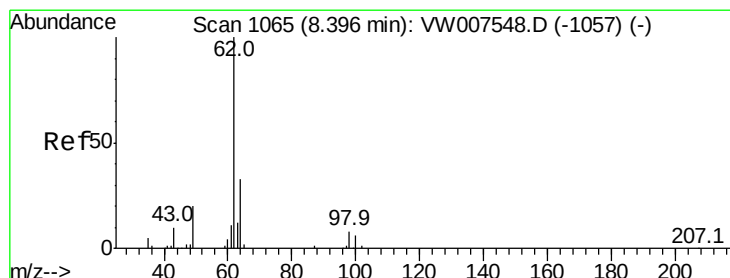
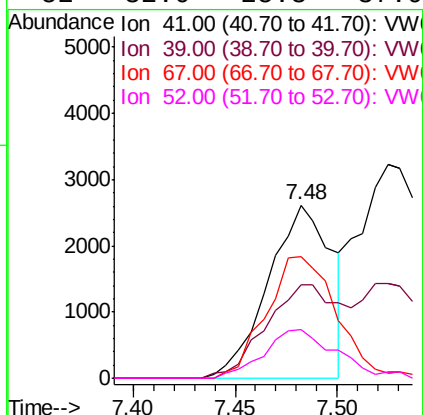
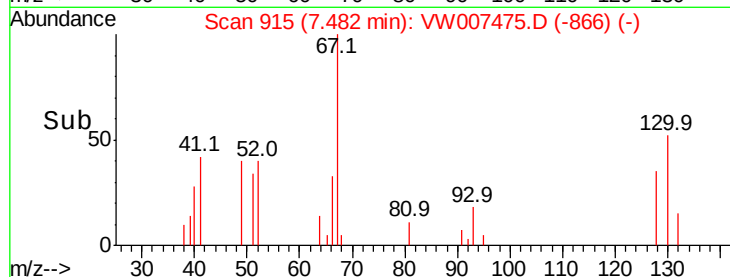
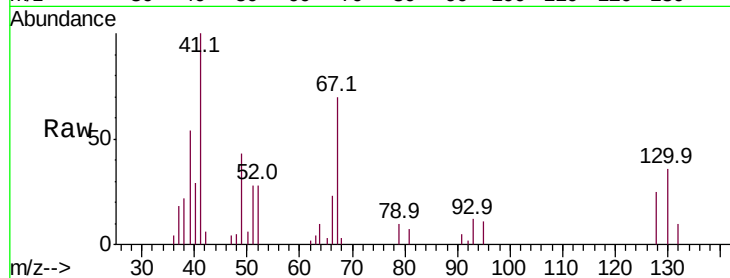
#41
Methacrylonitrile
Concen: 20.431 ug/l
RT: 7.48 min Scan# 915
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion:	41	Resp:	5668
Ion	Ratio	Lower	Upper
41	100		
39	64.9	52.2	78.2
67	77.7	60.5	90.7
52	32.0	25.3	37.9

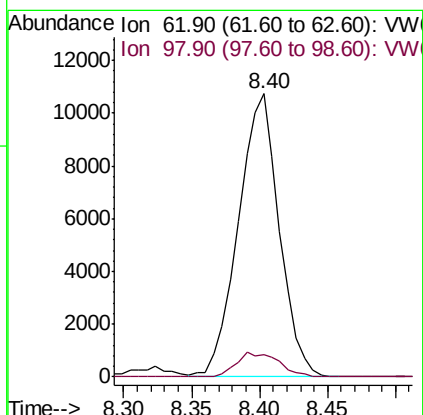
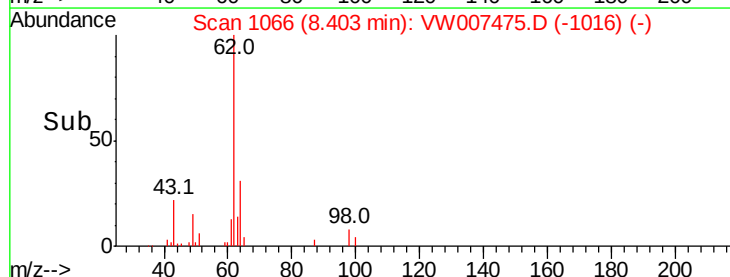
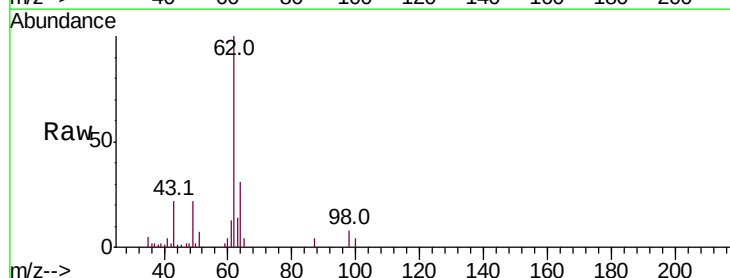
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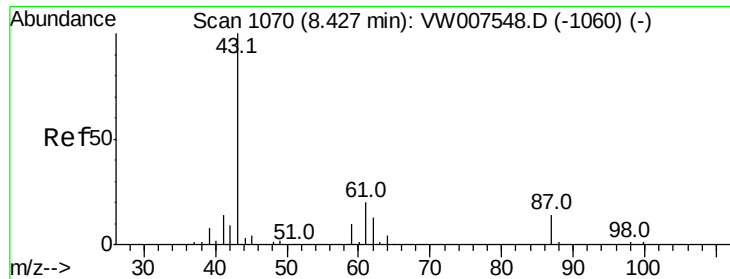
MMDadoda
12/24/2018 12:18:09 PM



#42
1,2-Dichloroethane
Concen: 19.688 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion:	62	Resp:	22480
Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	17.6





#43

Isopropyl Acetate

Concen: 19.857 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

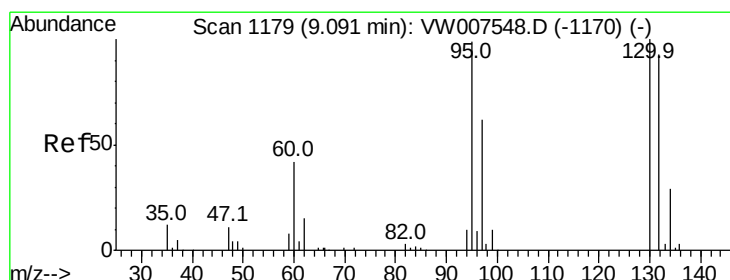
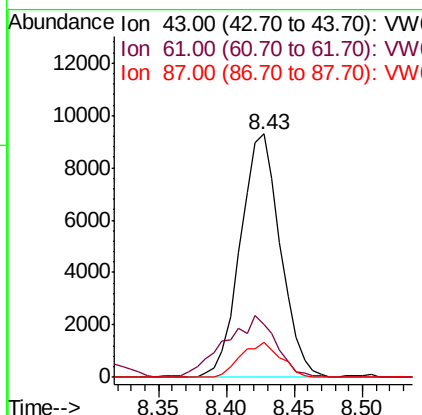
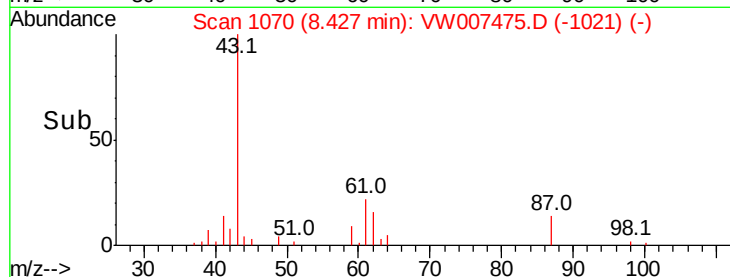
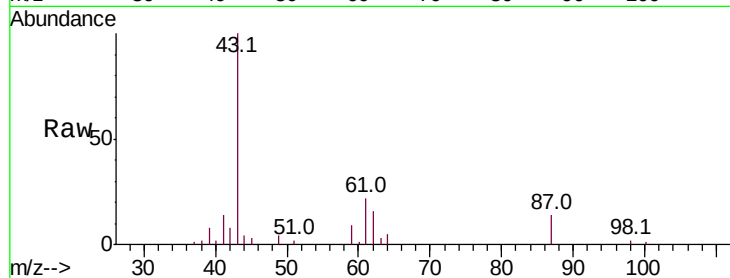
ClientSampleId :

VW1216SBS01

Tot Ion:	43	Resp:	19108
Ion	Ratio	Lower	Upper
43	100		
61	32.5	25.3	37.9
87	14.3	11.8	17.8

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#44

Trichloroethene

Concen: 19.824 ug/l

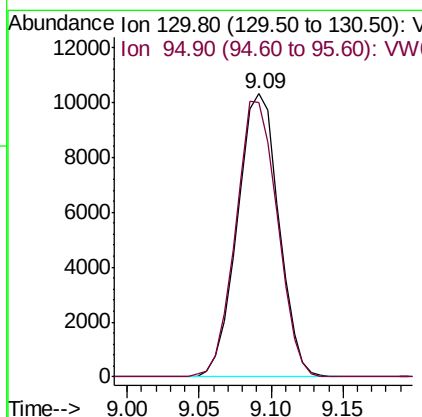
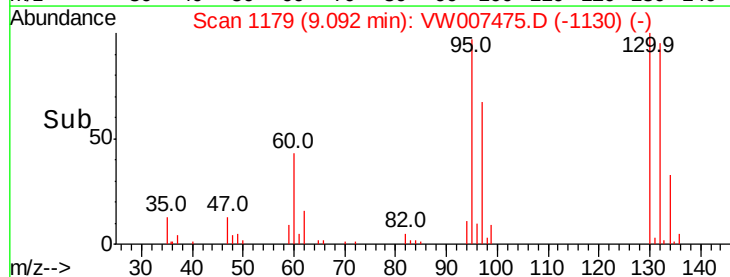
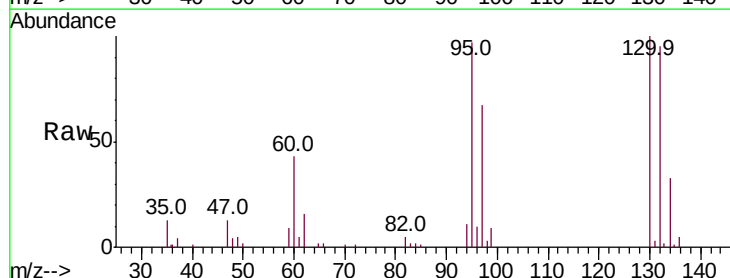
RT: 9.09 min Scan# 1179

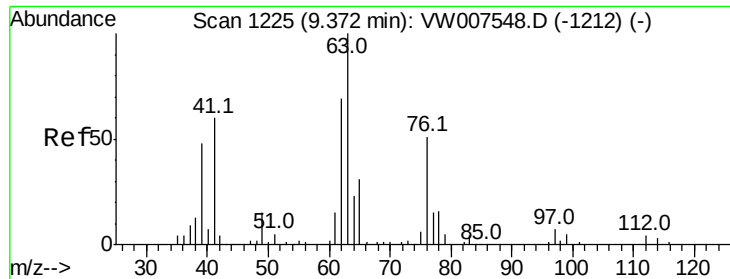
Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion:	130	Resp:	20577
Ion	Ratio	Lower	Upper
130	100		
95	96.8	0.0	193.2





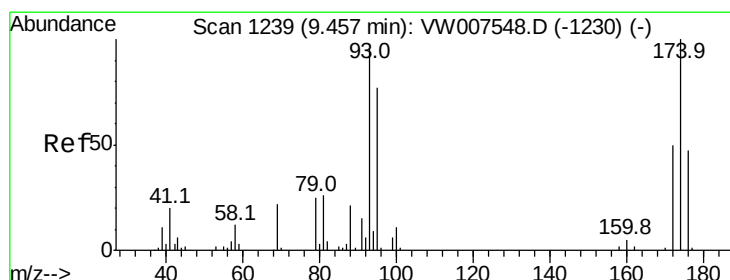
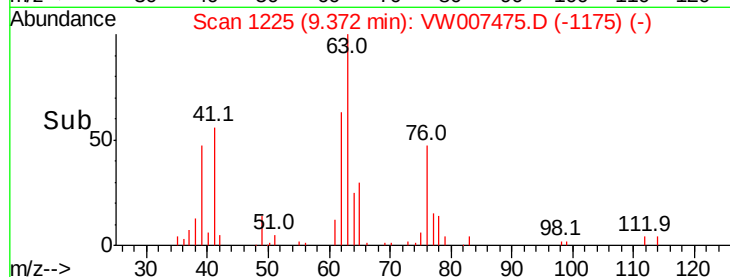
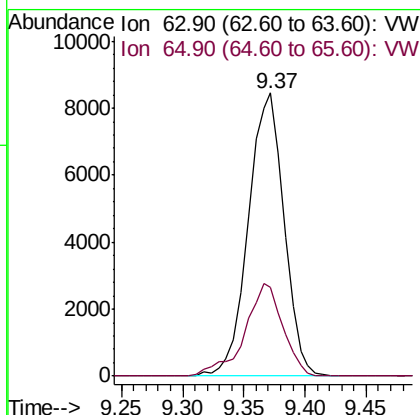
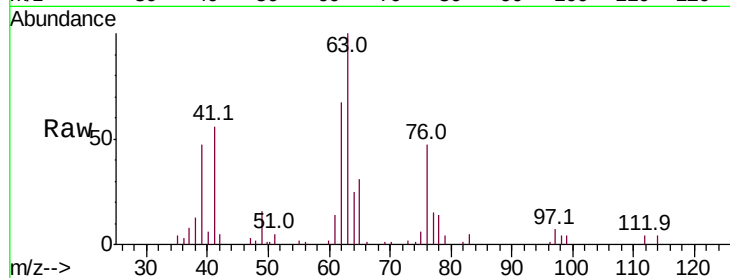
#45
 1,2-Dichloropropane
 Concen: 20.367 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.2	24.4	36.6

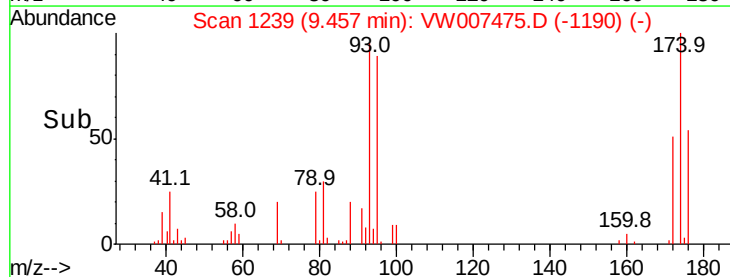
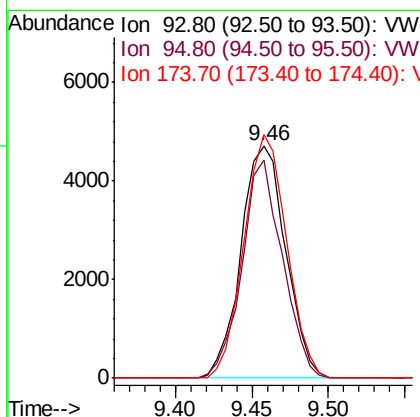
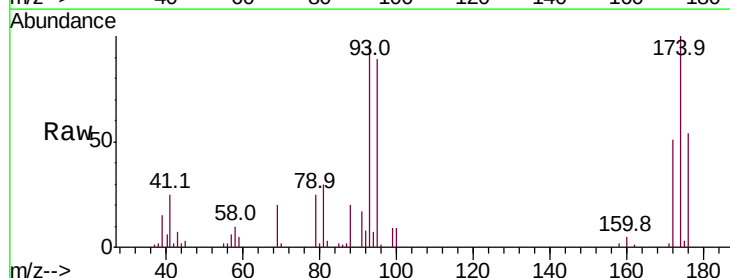
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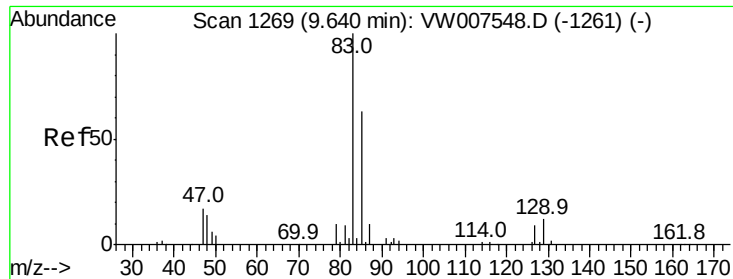
MMDadoda
 12/24/2018 12:18:09 PM



#46
 Dibromomethane
 Concen: 20.103 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.5	68.0	102.0
174	100.0	83.2	124.8





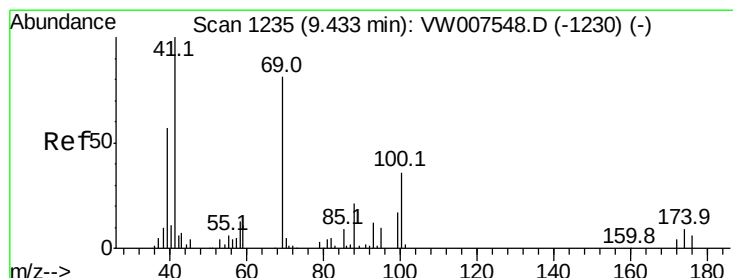
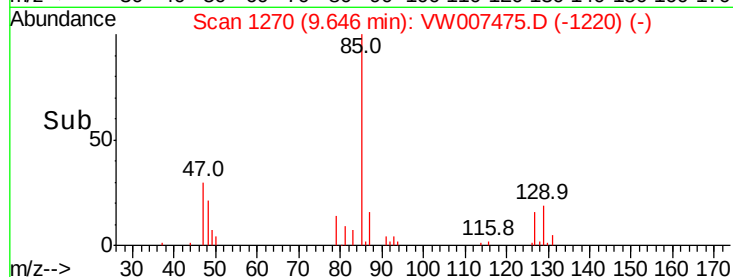
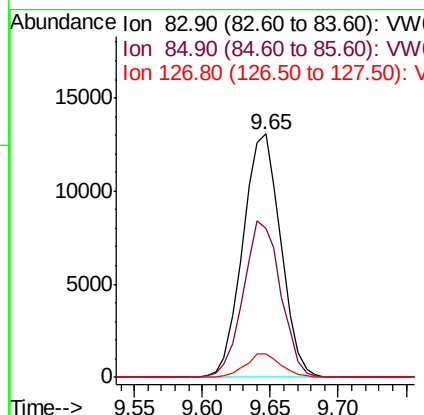
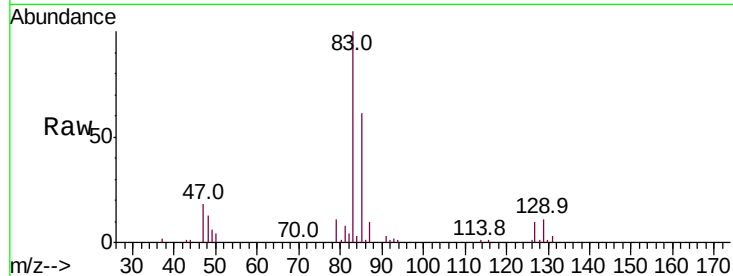
#47
Bromodichloromethane
Concen: 20.330 ug/l
RT: 9.65 min Scan# 1270
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	61.0	47.6	71.4	
127	9.6	6.7	10.1	

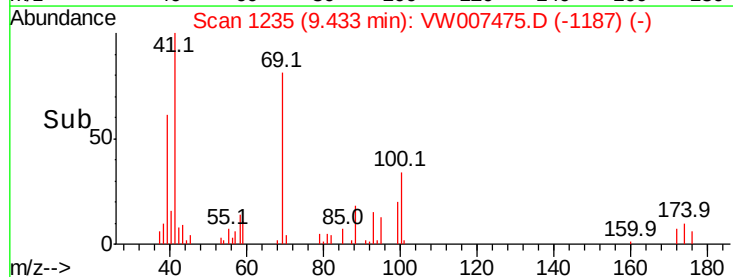
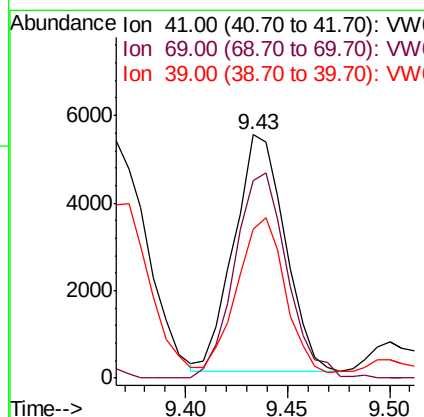
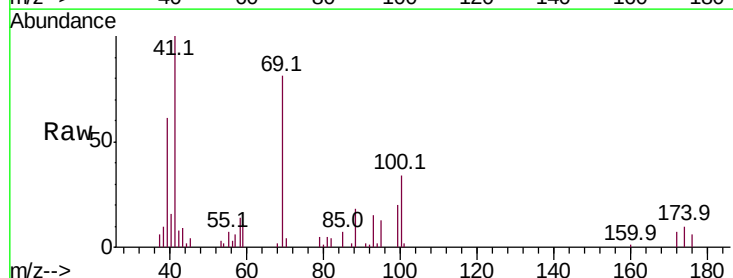
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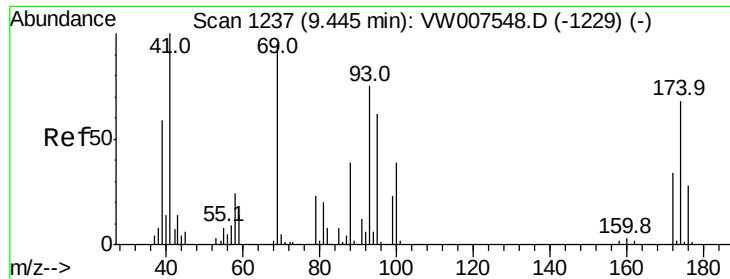
MMDadoda
12/24/2018 12:18:09 PM



#48
Methyl methacrylate
Concen: 19.034 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	89.2	69.8	104.8	
39	68.0	50.9	76.3	





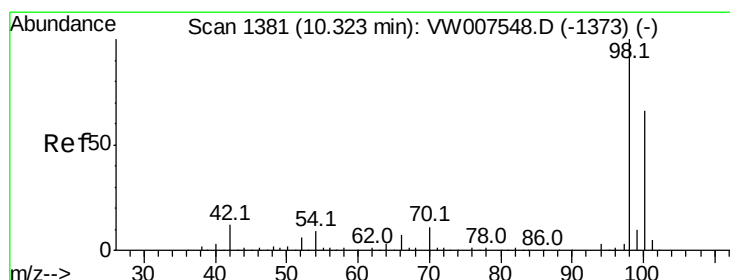
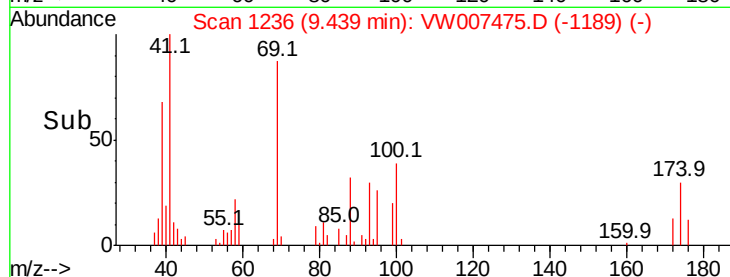
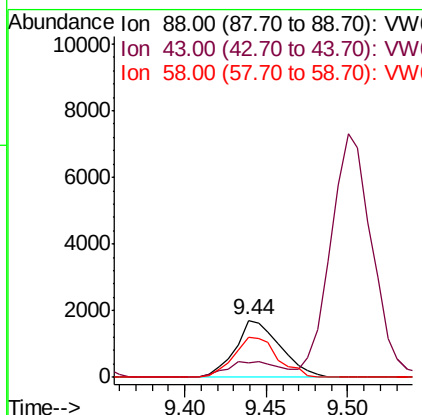
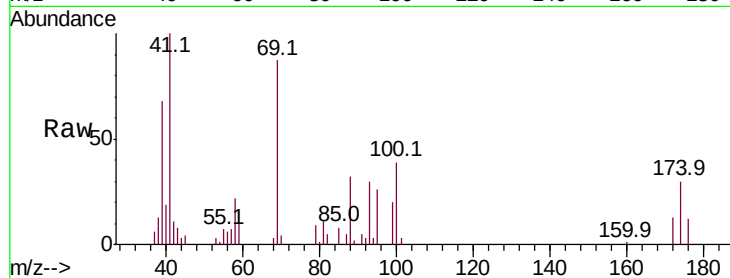
#49
1,4-Dioxane
Concen: 420.089 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. -0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	34.9	25.0	37.4
58	68.3	51.4	77.2

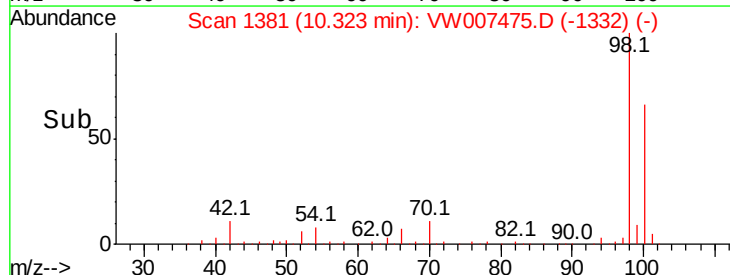
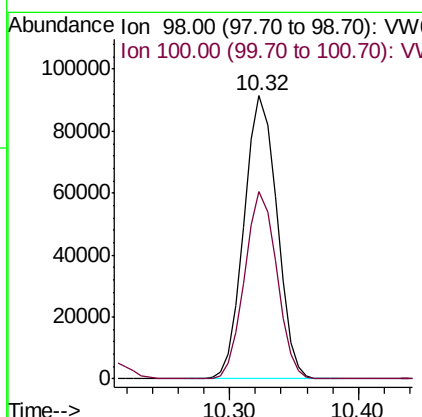
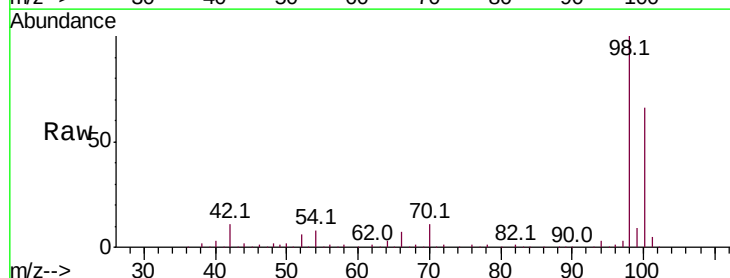
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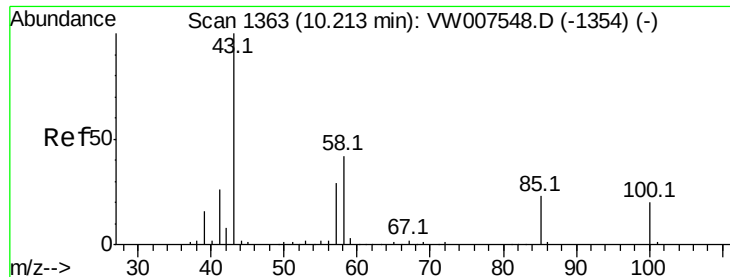
MMDadoda
12/24/2018 12:18:09 PM



#50
Toluene-d8
Concen: 49.556 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.6	51.8	77.8





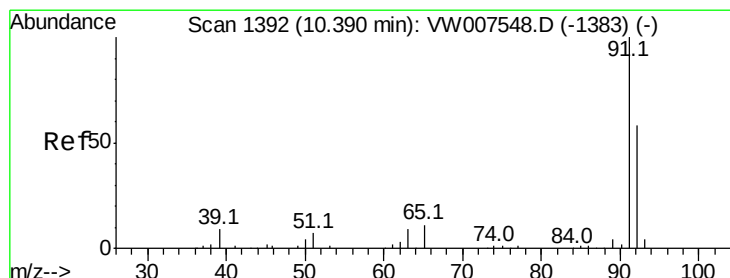
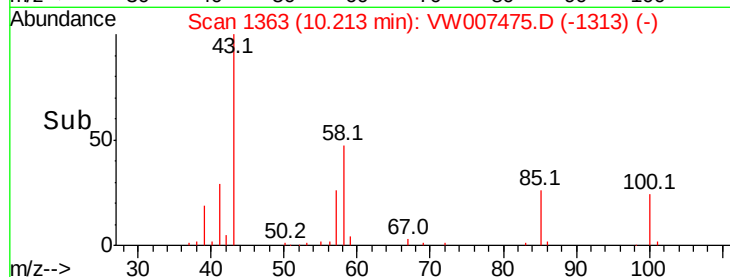
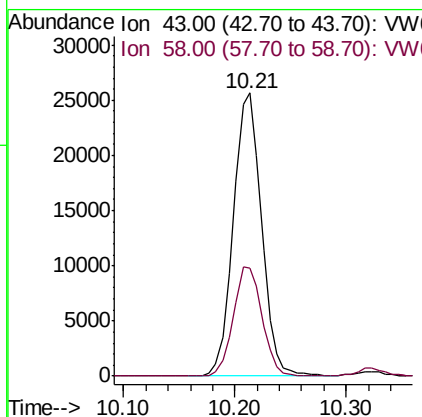
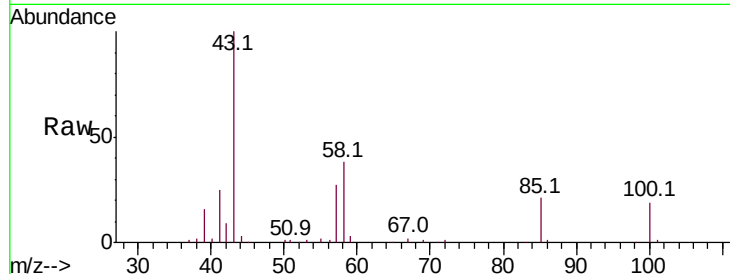
#51
4-Methyl-2-Pentanone
Concen: 98.876 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion: 43 Resp: 44957
Ion Ratio Lower Upper
43 100
58 39.2 33.1 49.7

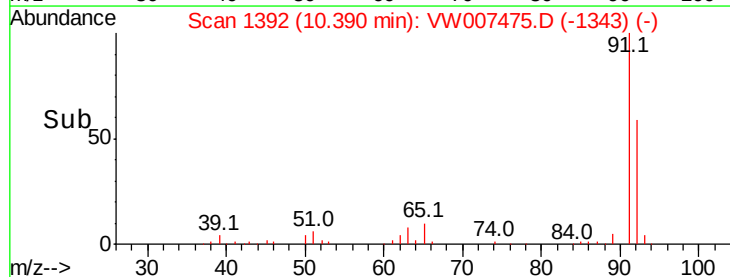
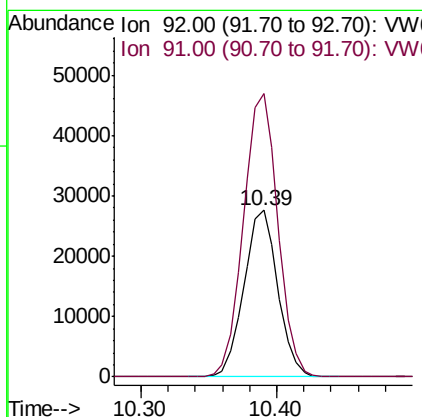
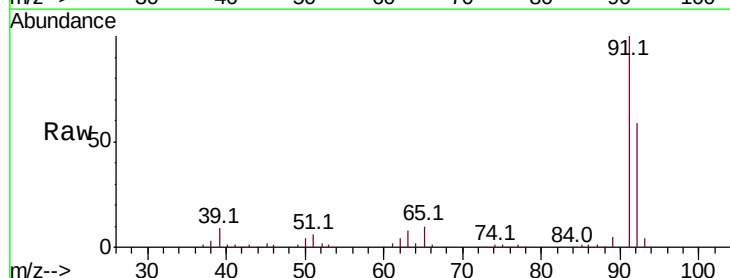
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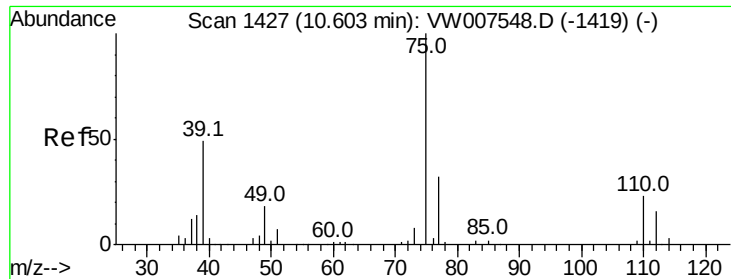
MMDadoda
12/24/2018 12:18:09 PM



#52
Toluene
Concen: 20.451 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 92 Resp: 48107
Ion Ratio Lower Upper
92 100
91 172.2 136.2 204.2





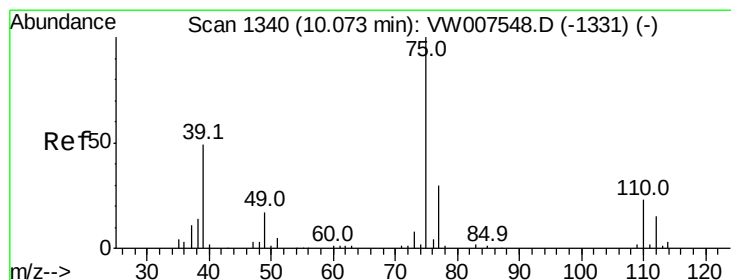
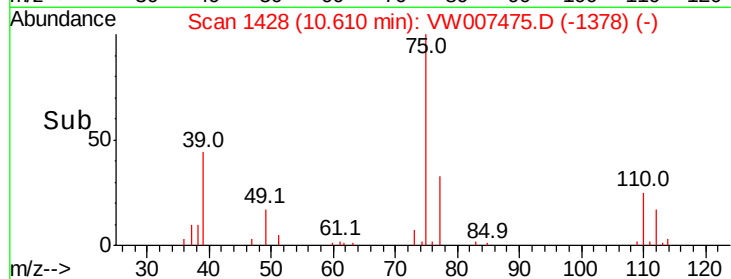
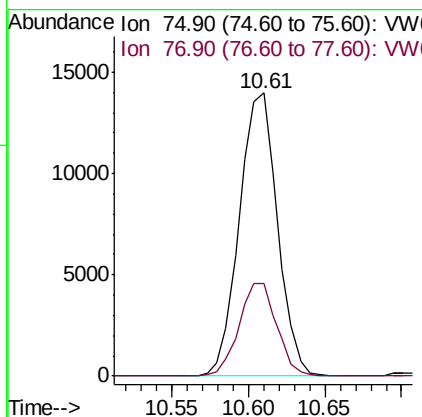
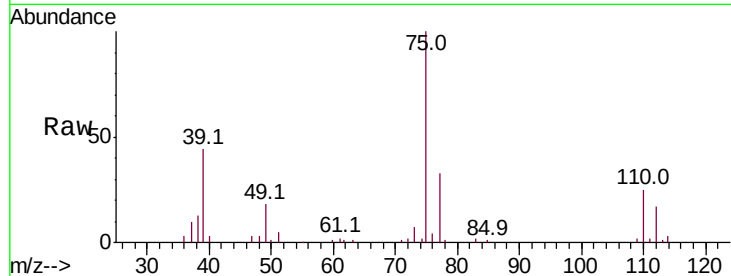
#53
 t-1,3-Dichloropropene
 Concen: 19.916 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion: 75 Resp: 24226
 Ion Ratio Lower Upper
 75 100
 77 32.9 26.2 39.4

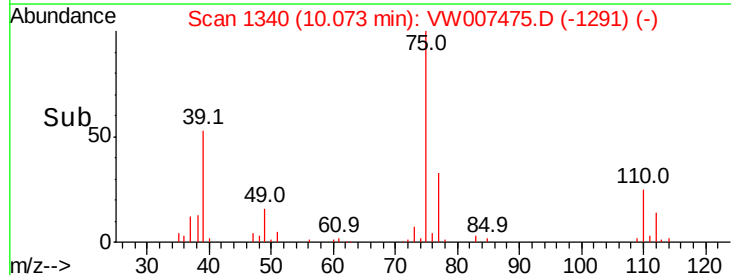
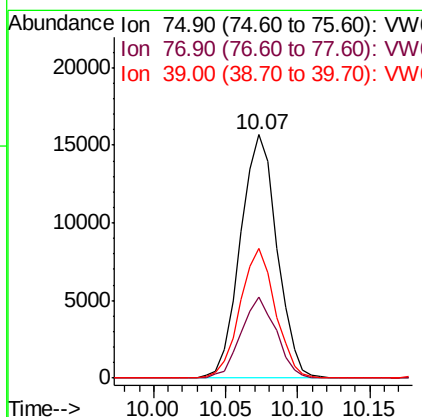
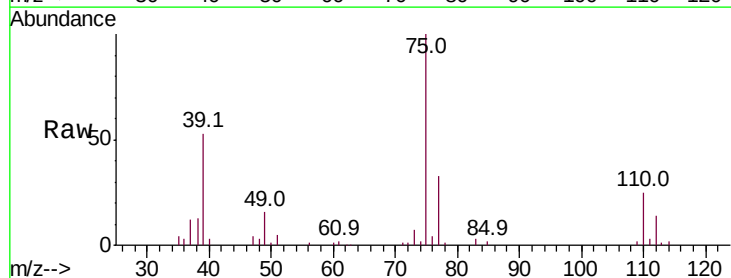
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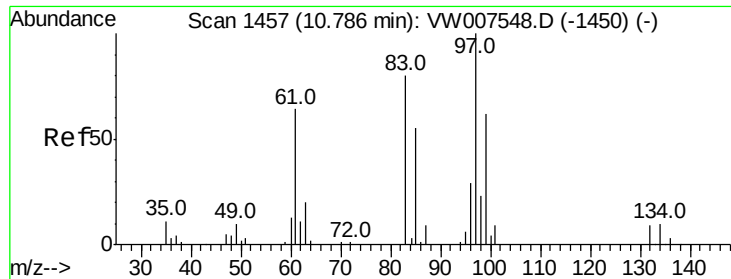
MMDadoda
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#54
 cis-1,3-Dichloropropene
 Concen: 19.663 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 75 Resp: 27650
 Ion Ratio Lower Upper
 75 100
 77 33.4 24.8 37.2
 39 53.4 40.9 61.3





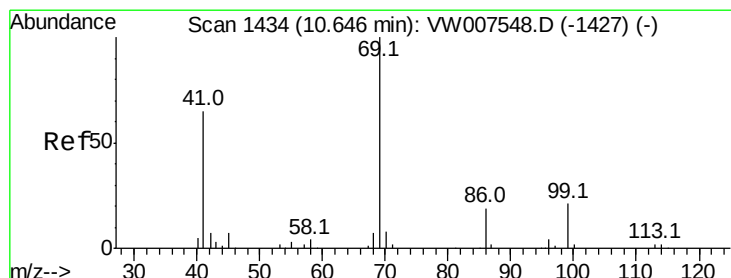
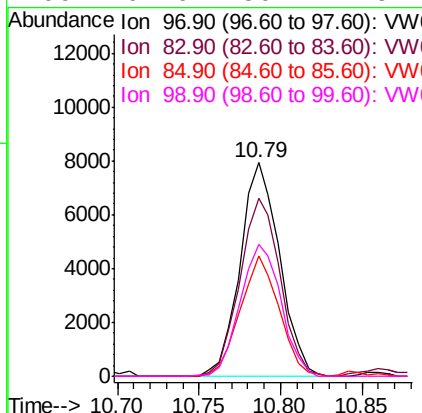
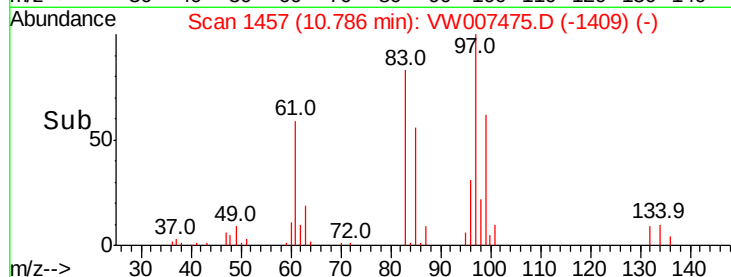
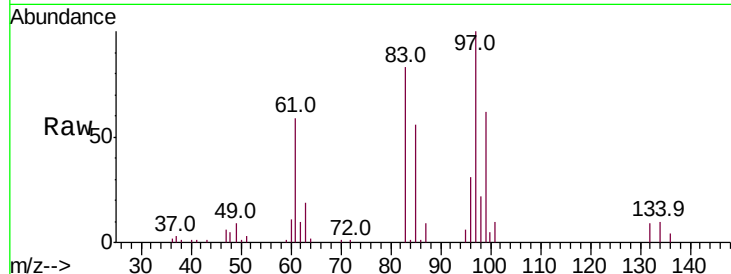
#55
1,1,2-Trichloroethane
Concen: 20.545 ug/l
RT: 10.79 min Scan# 1457
Delta R.T. -0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
97	100	13357		
83	83.4	62.1	93.1	
85	56.3	44.2	66.4	
99	61.6	50.2	75.4	

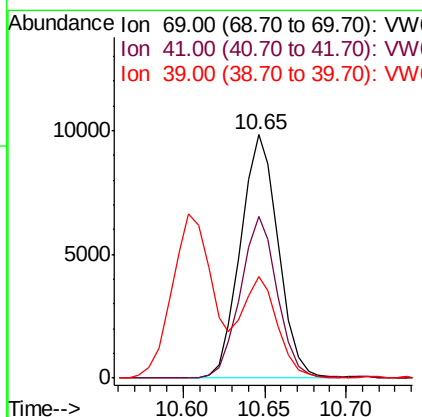
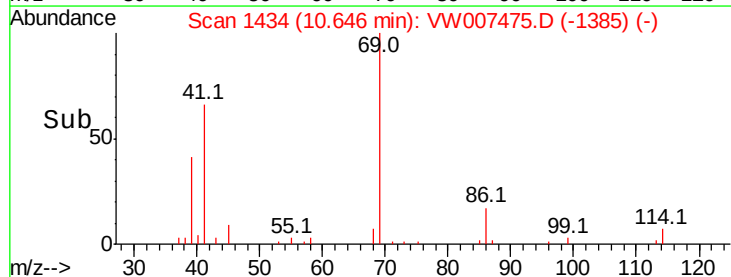
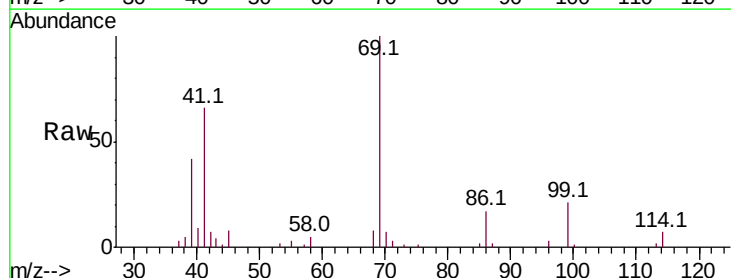
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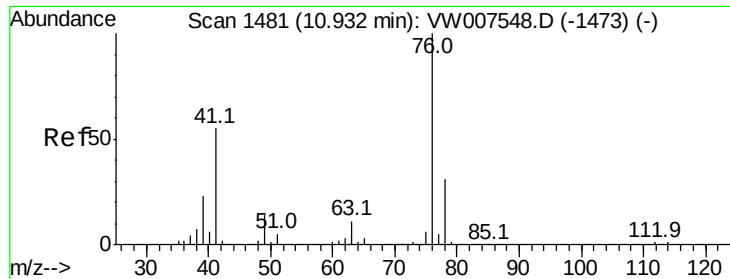
MMDadoda
12/24/2018 12:18:09 PM



#56
Ethyl methacrylate
Concen: 20.291 ug/l
RT: 10.65 min Scan# 1434
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	15856		
41	64.8	51.0	76.6	
39	39.1	30.8	46.2	





#57

1,3-Dichloropropane

Concen: 21.536 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

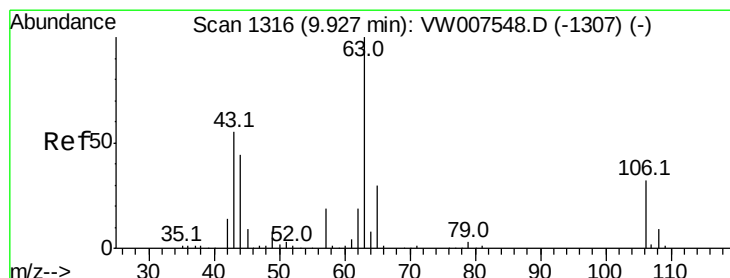
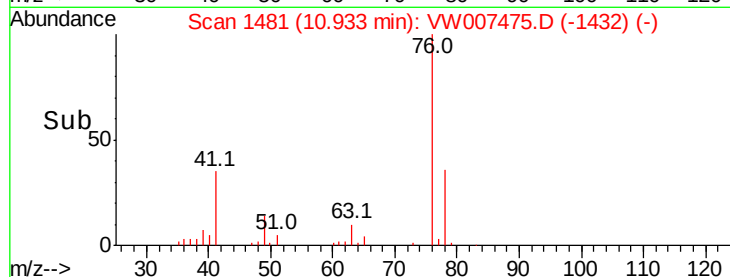
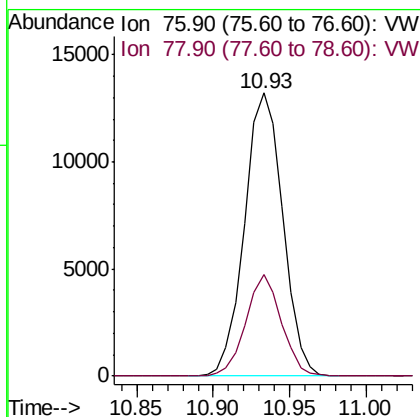
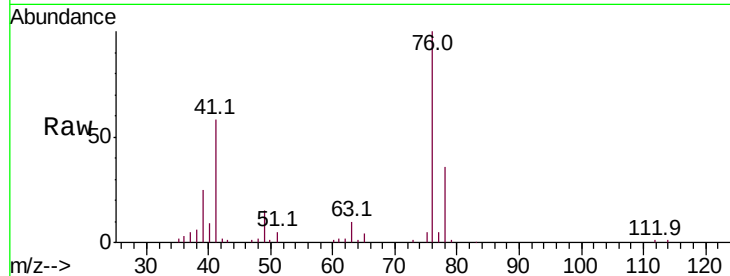
Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion: 76 Resp: 22981

Ion	Ratio	Lower	Upper
76	100		
78	33.2	26.2	39.4

Manual Integrations
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MMDadoda
12/24/2018 12:18:09 PM



#58

2-Chloroethyl Vinyl ether

Concen: 97.130 ug/l

RT: 9.93 min Scan# 1316

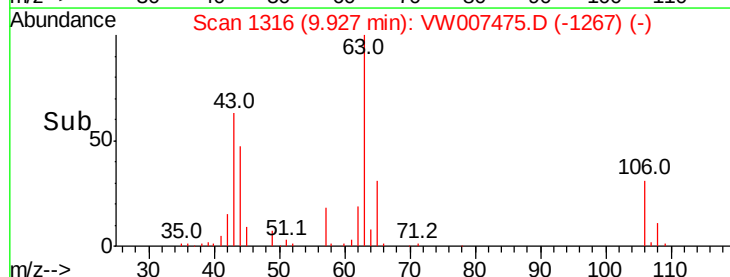
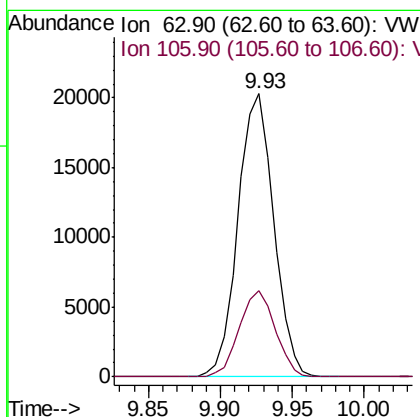
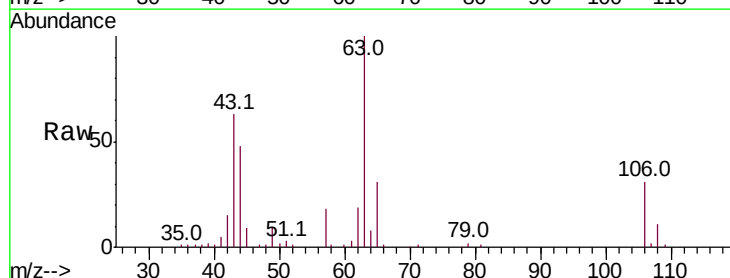
Delta R.T. 0.00 min

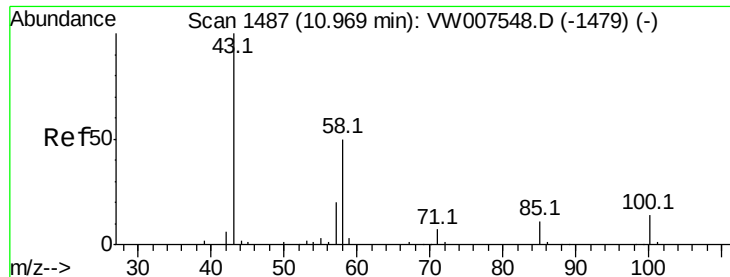
Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion: 63 Resp: 35001

Ion	Ratio	Lower	Upper
63	100		
106	30.5	25.0	37.6





#59

2-Hexanone

Concen: 99.693 ug/l

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 43 Resp: 30225

Ion Ratio Lower Upper

43 100

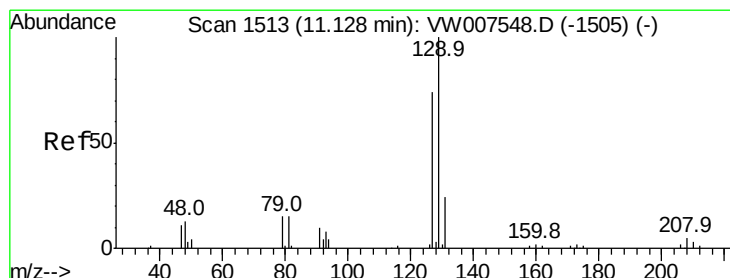
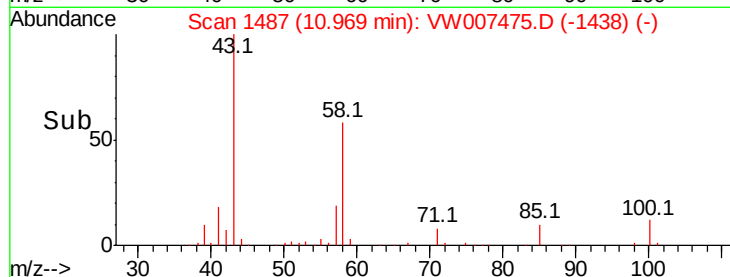
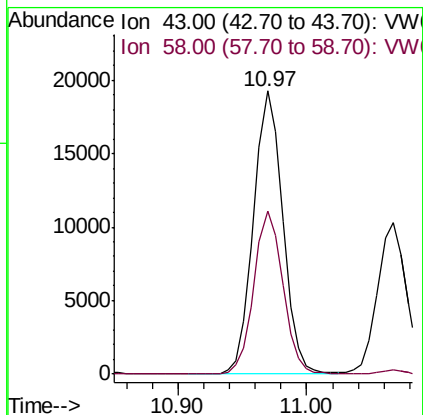
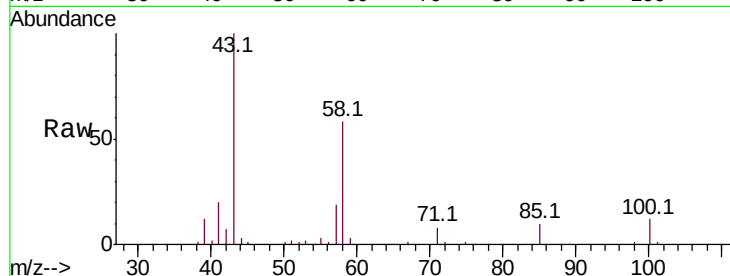
58 57.2 27.1 81.3

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#60

Dibromochloromethane

Concen: 21.119 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW007475.D

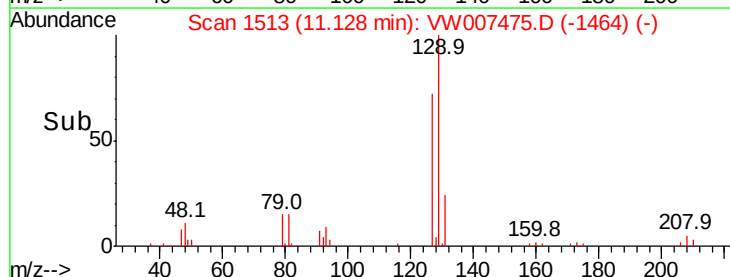
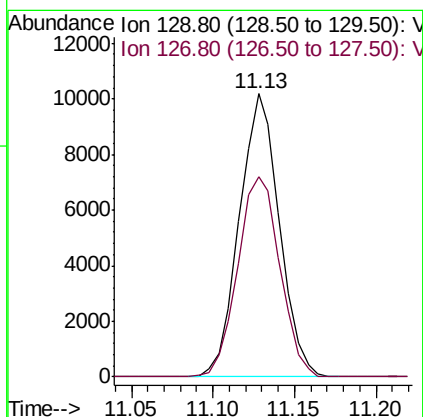
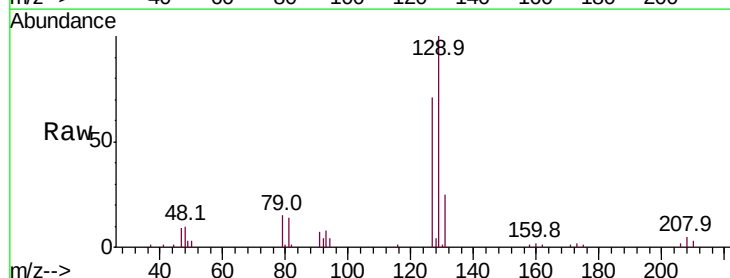
Acq: 13 Dec 2018 09:34

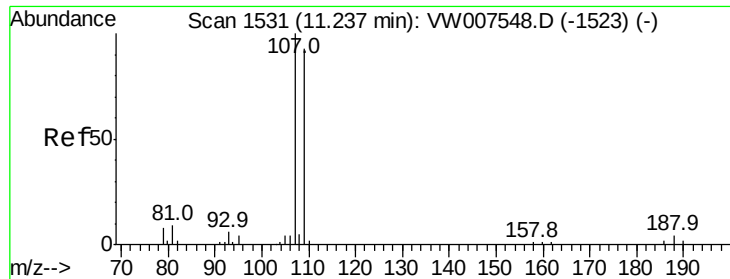
Tgt Ion: 129 Resp: 17327

Ion Ratio Lower Upper

129 100

127 74.5 38.1 114.3





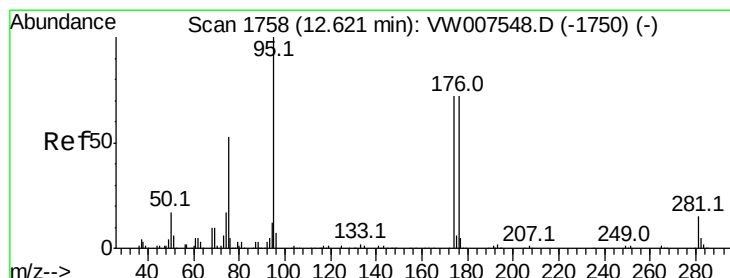
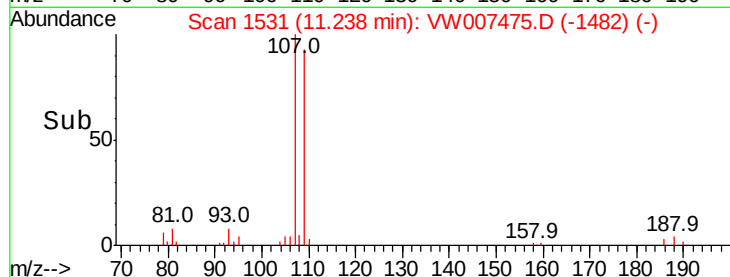
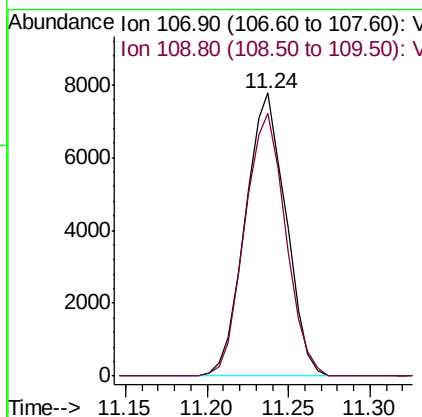
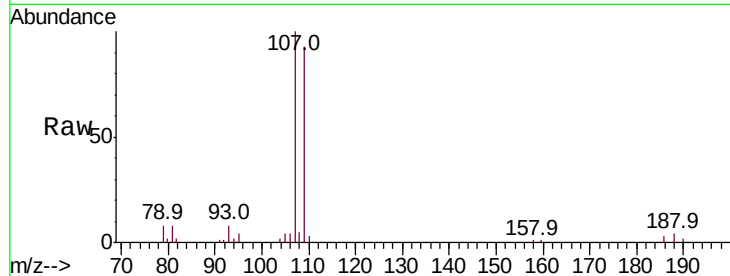
#61
 1,2-Dibromoethane
 Concen: 20.950 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion:107 Resp: 13460
 Ion Ratio Lower Upper
 107 100
 109 93.8 79.1 118.7

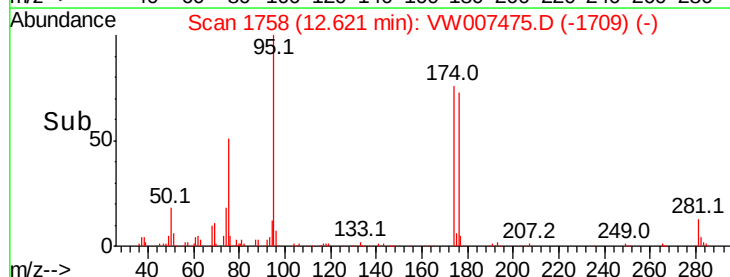
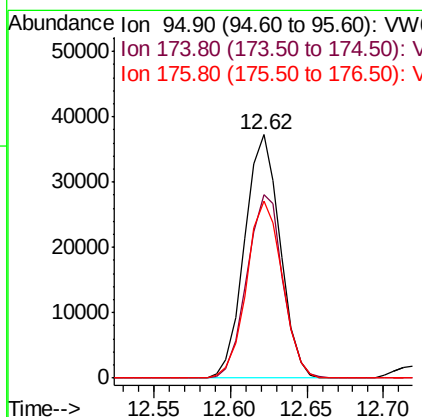
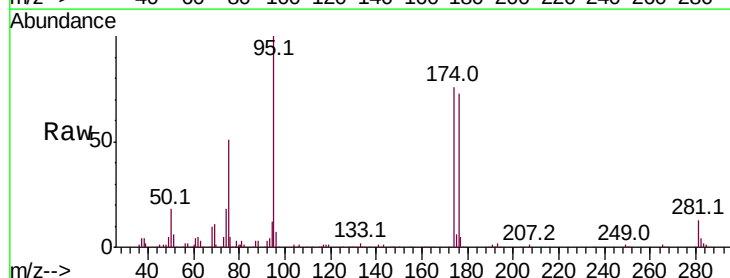
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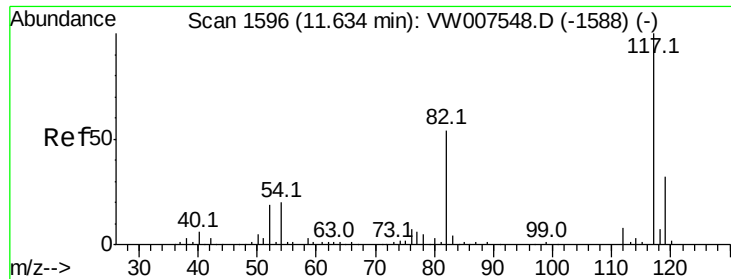
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#62
 4-Bromofluorobenzene
 Concen: 49.981 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion: 95 Resp: 59887
 Ion Ratio Lower Upper
 95 100
 174 76.4 0.0 147.2
 176 73.4 0.0 138.8





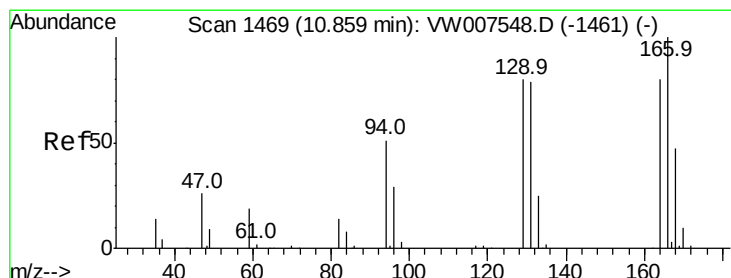
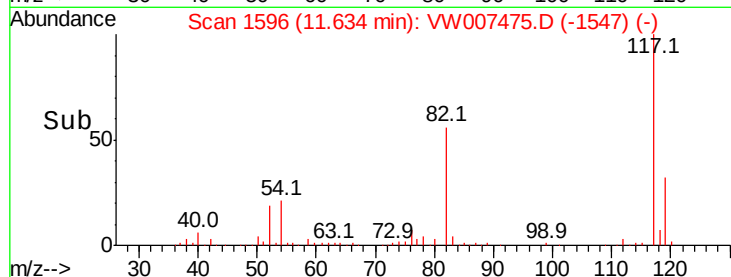
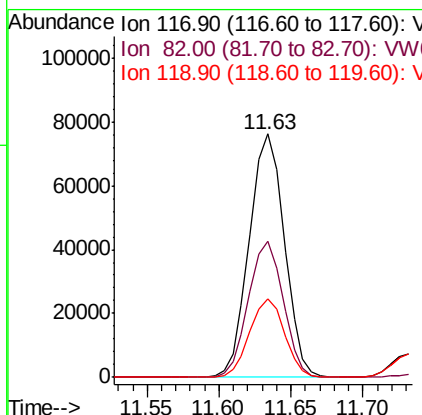
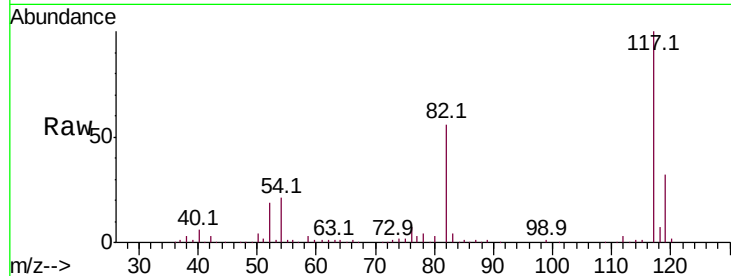
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.9	42.3	63.5
119	32.4	23.0	34.6

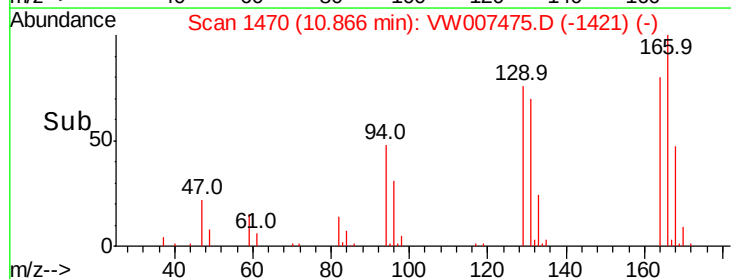
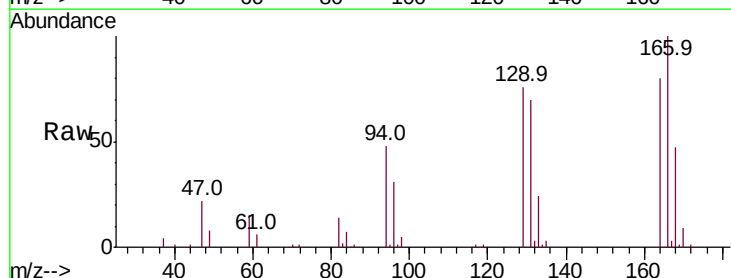
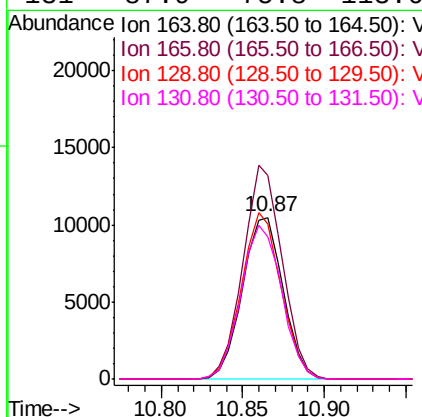
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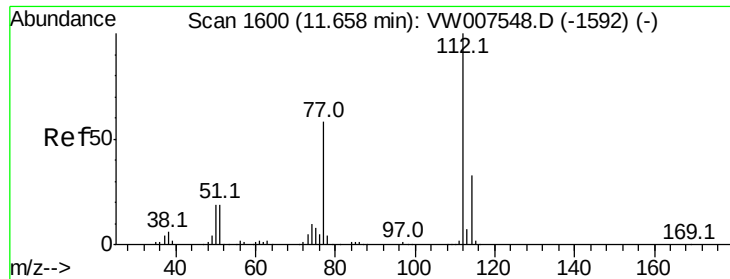
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#64
Tetrachloroethene
Concen: 19.654 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	107.9	161.9
129	95.9	73.4	110.2
131	87.9	75.8	113.6





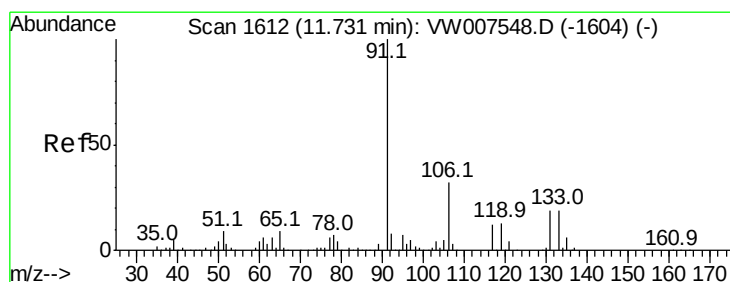
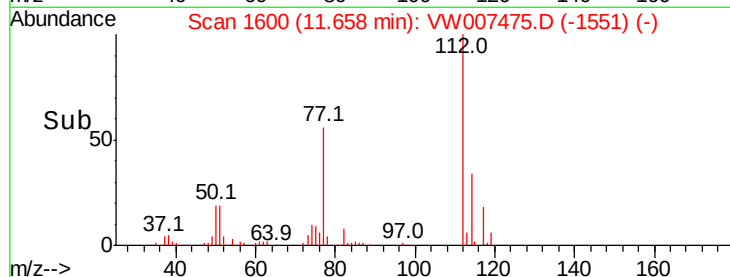
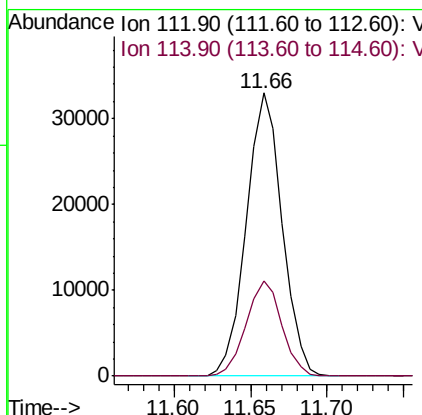
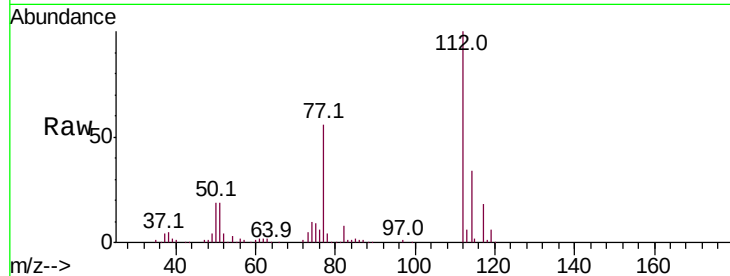
#65
Chlorobenzene
Concen: 20.022 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	27.8	41.8

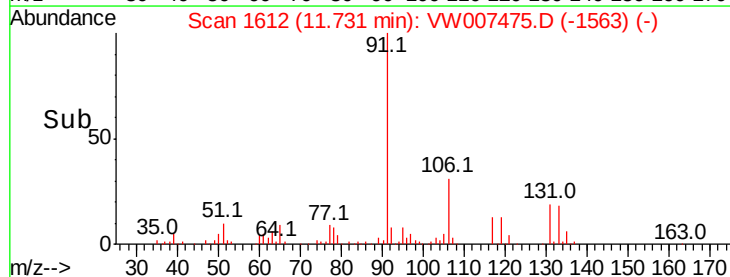
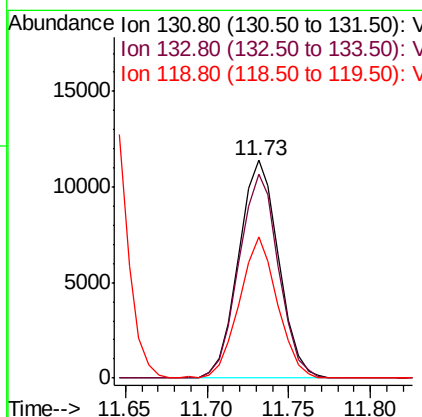
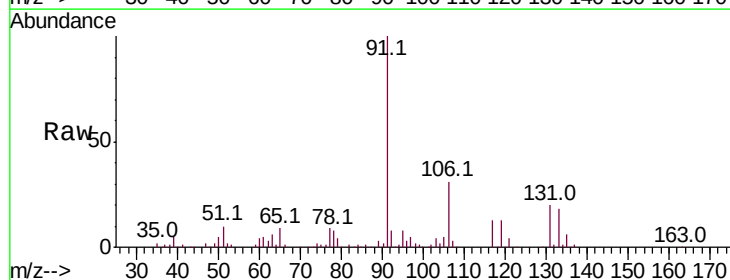
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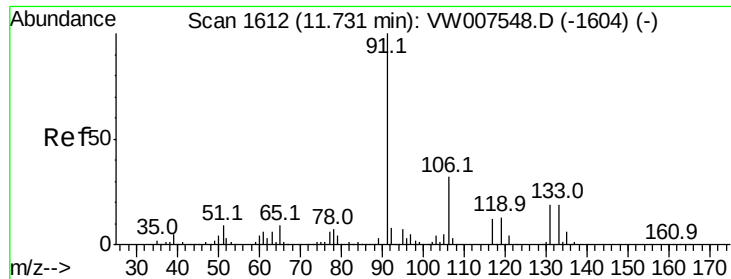
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.519 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.2	47.1	141.4
119	62.0	31.3	93.9





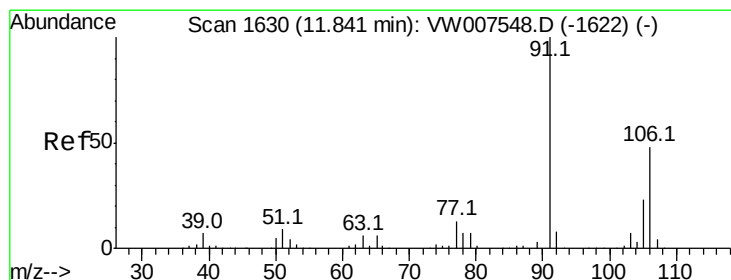
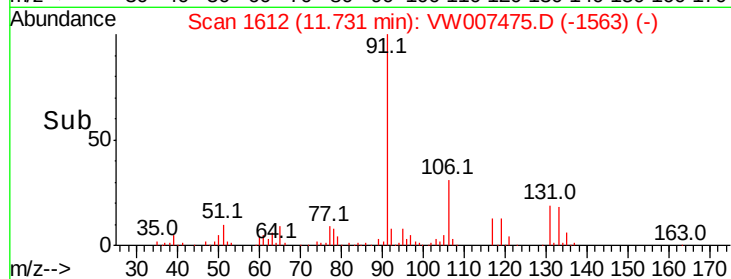
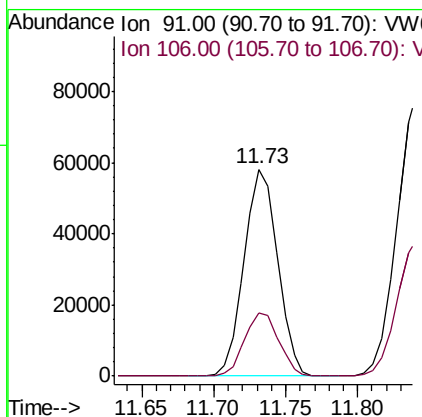
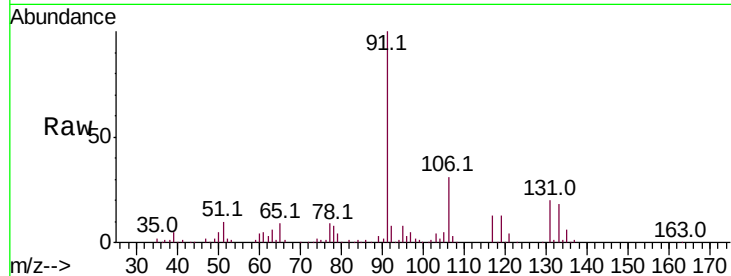
#67
Ethyl Benzene
Concen: 20.360 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion: 91 Resp: 93860
Ion Ratio Lower Upper
91 100
106 30.7 21.8 32.8

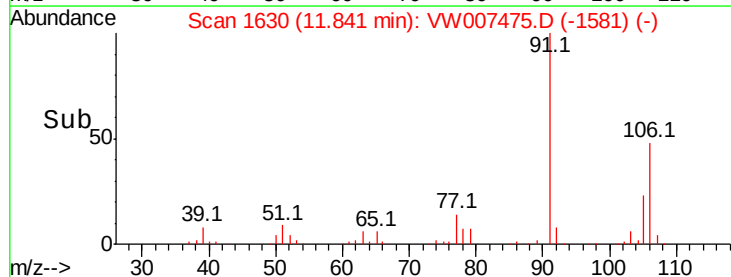
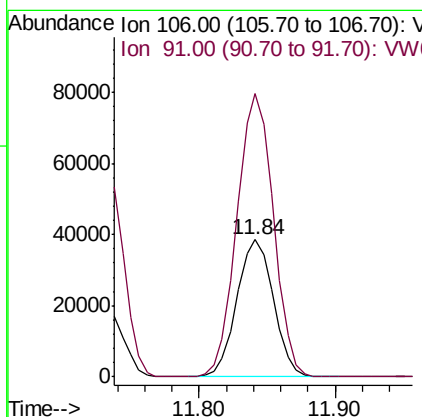
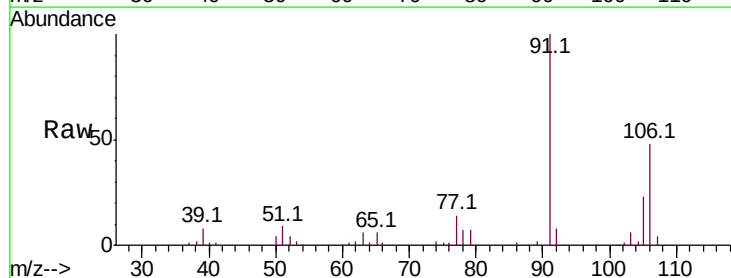
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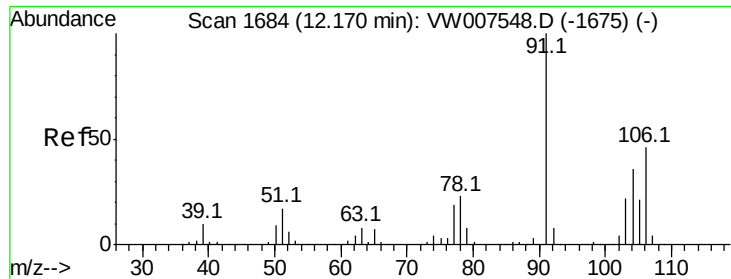
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12/24/2018 12:18:09 PM



#68
m/p-Xylenes
Concen: 40.431 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion: 106 Resp: 72461
Ion Ratio Lower Upper
106 100
91 205.7 165.3 247.9





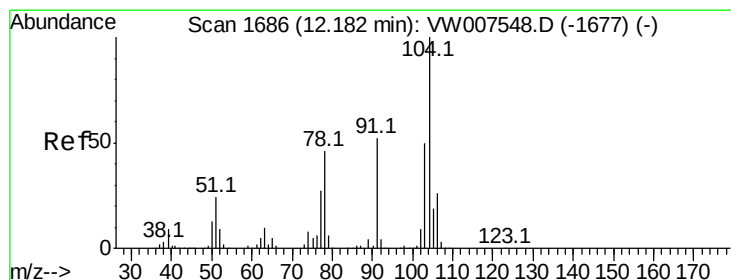
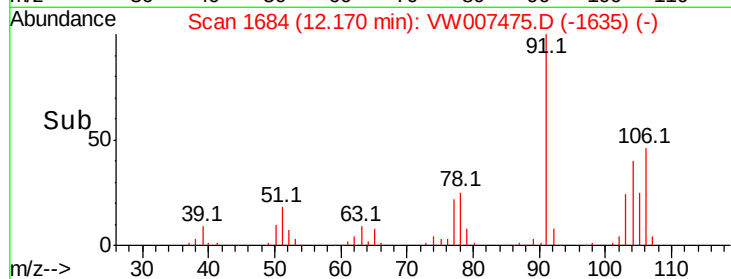
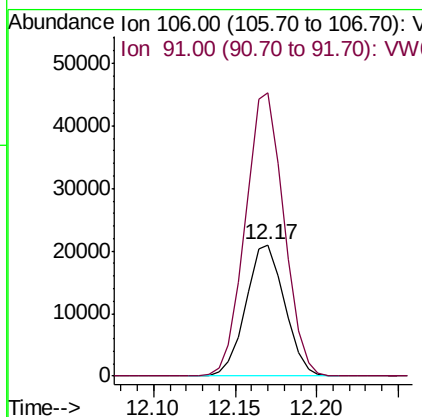
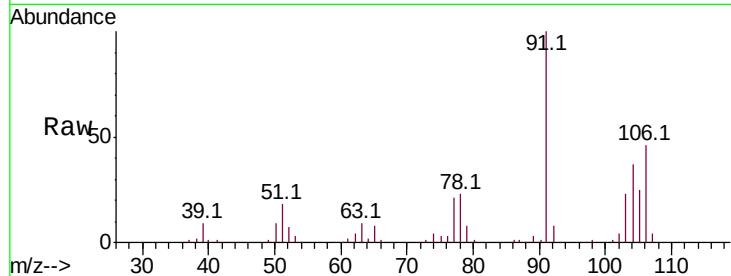
#69
o-Xylene
Concen: 20.703 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampled :
VW1216SBS01

Tot Ion:106 Resp: 34652
Ion Ratio Lower Upper
106 100
91 215.2 106.6 319.8

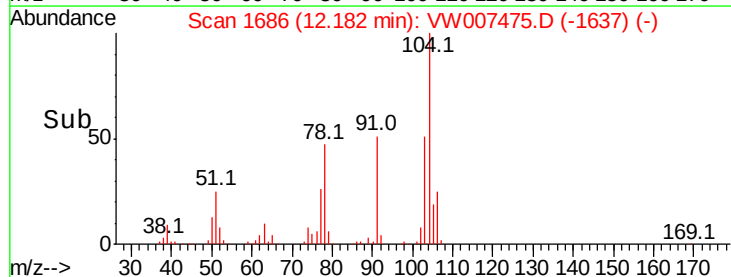
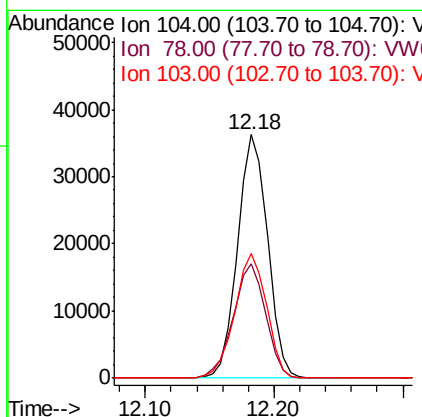
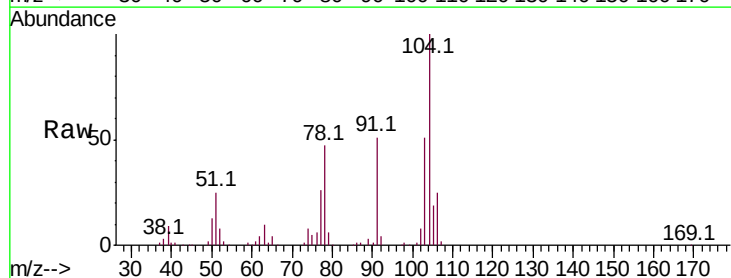
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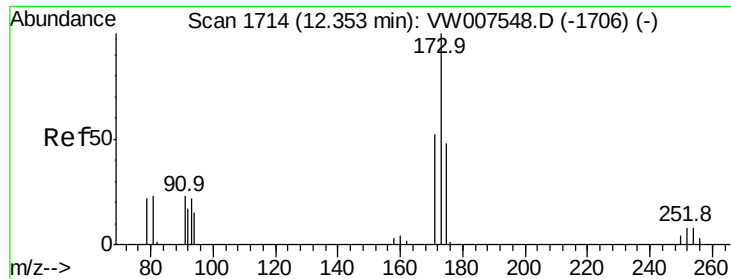
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#70
Styrene
Concen: 21.617 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion:104 Resp: 58443
Ion Ratio Lower Upper
104 100
78 50.9 41.8 62.8
103 54.6 46.6 69.8





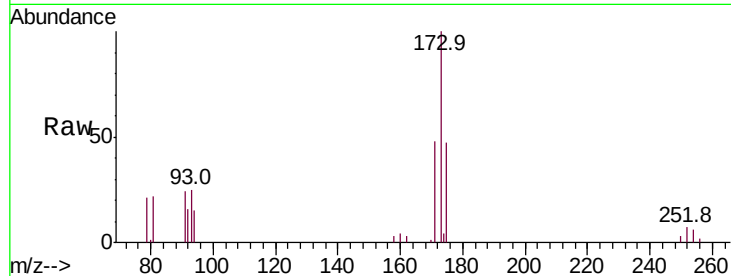
#71
Bromoform
Concen: 19.409 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

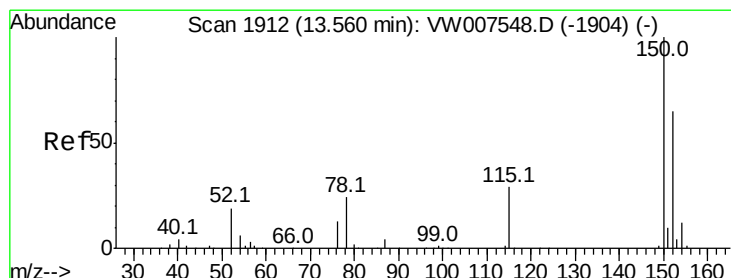
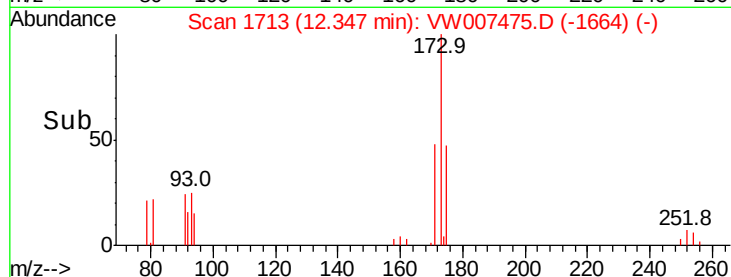
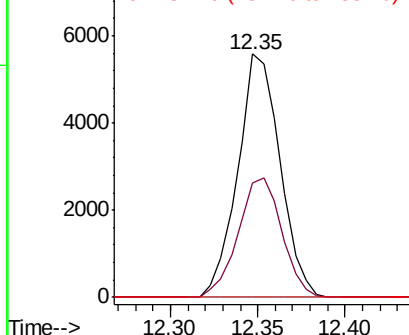
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.7	23.6	70.8
254	0.0	0.0	0.0

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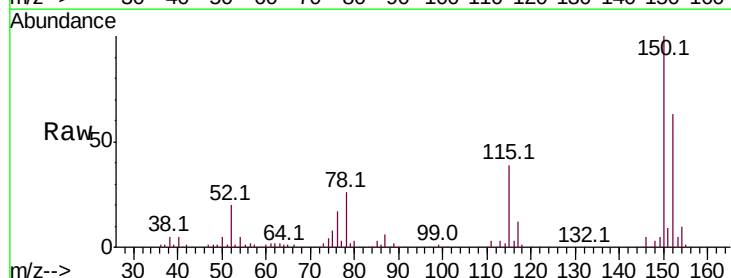


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

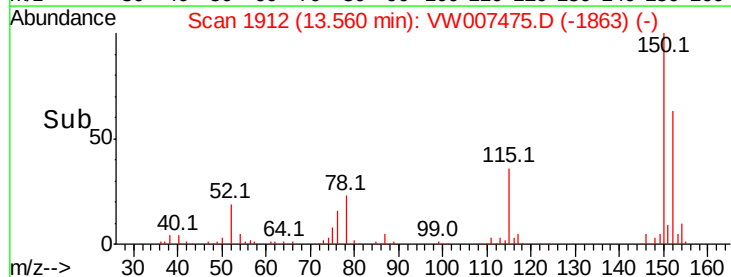
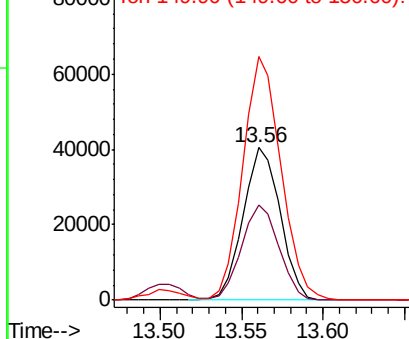


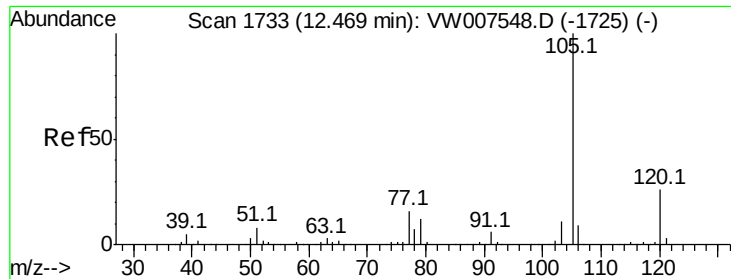
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.4	94.2
150	164.7	0.0	358.4



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





#73

Isopropylbenzene

Concen: 19.507 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion:105 Resp: 96260

Ion Ratio Lower Upper

105 100

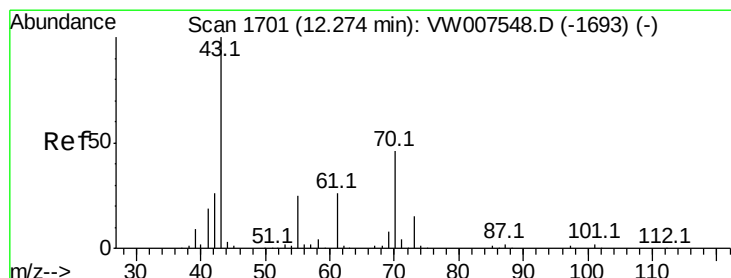
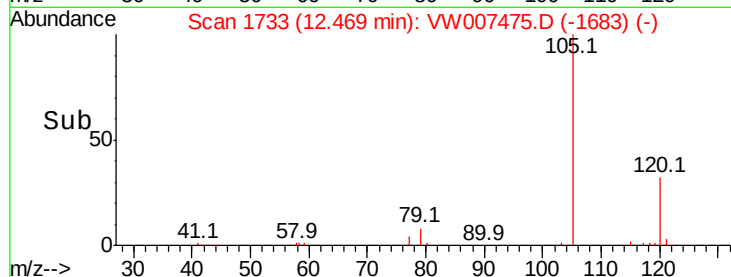
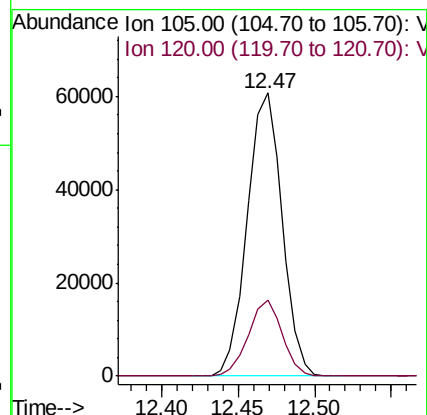
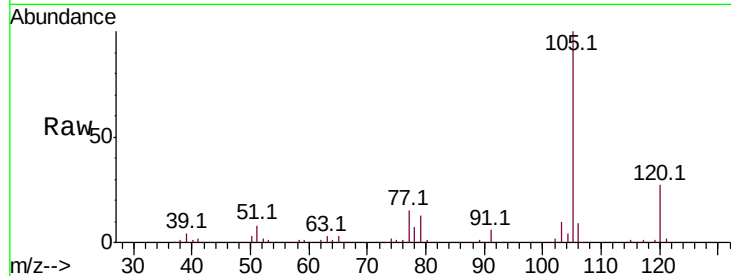
120 26.0 12.8 38.4

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#74

N-ethyl acetate

Concen: 19.648 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion: 43 Resp: 17621

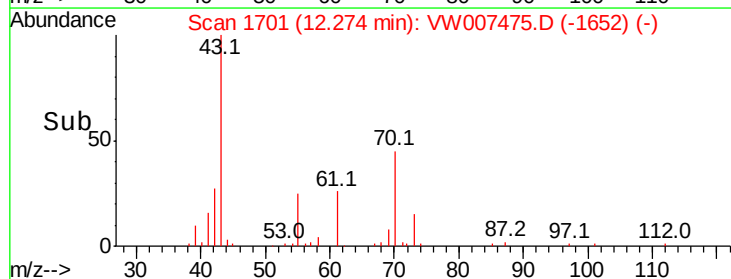
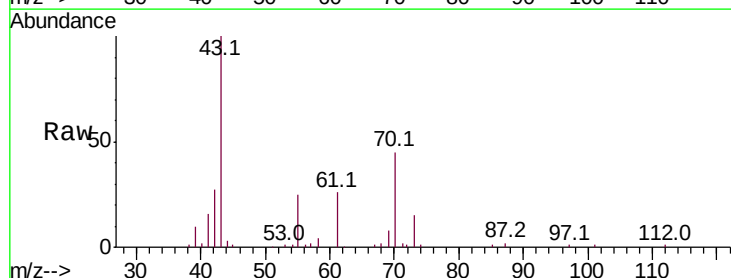
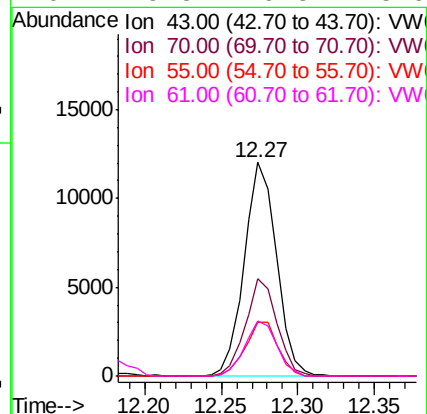
Ion Ratio Lower Upper

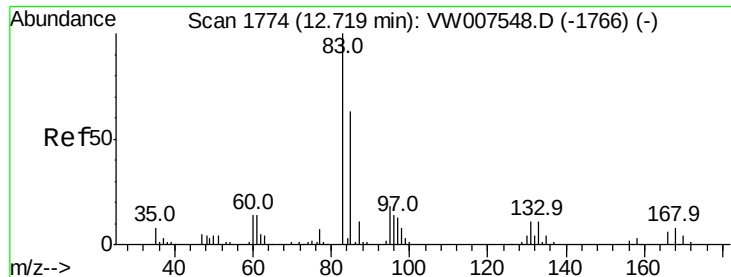
43 100

70 44.3 36.5 54.7

55 25.7 20.1 30.1

61 25.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.482 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

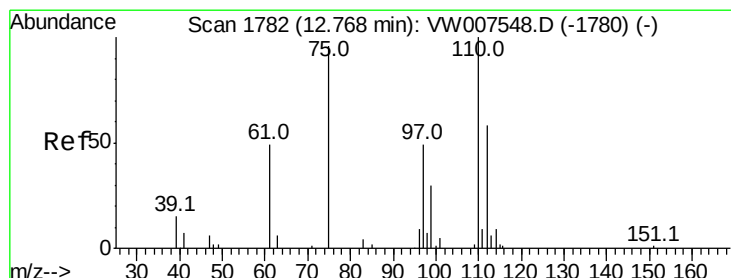
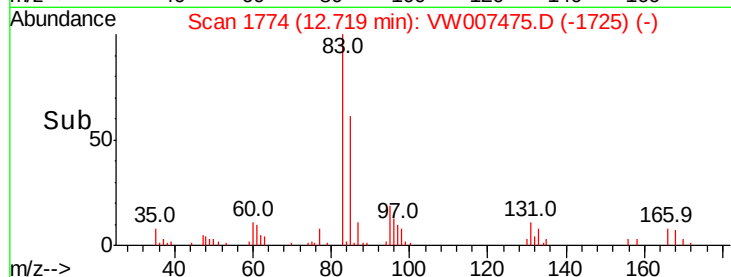
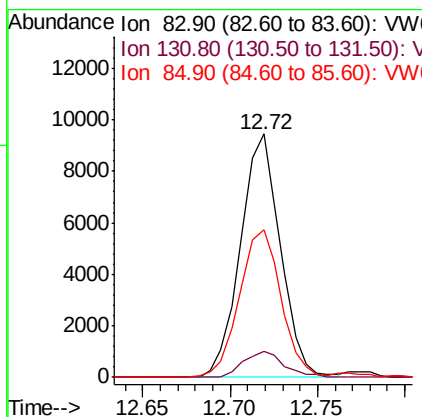
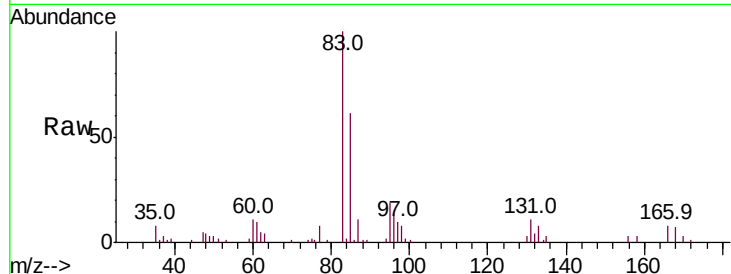
ClientSampleId :

VW1216SBS01

Tot Ion:	83	Resp:	14970
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.9	17.8
85	63.5	30.0	90.0

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#76

1,2,3-Trichloropropane

Concen: 16.487 ug/l m

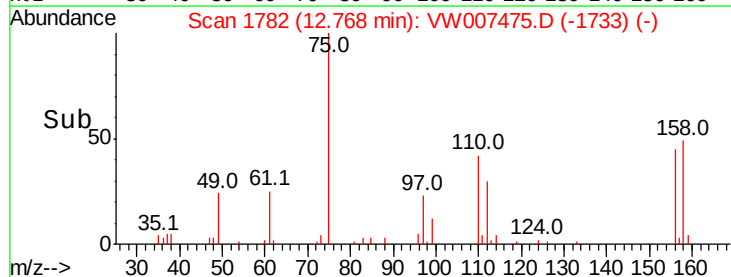
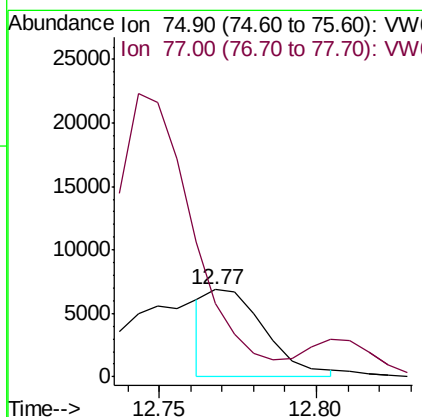
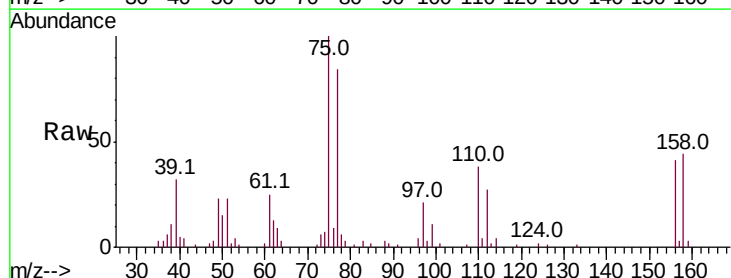
RT: 12.77 min Scan# 1782

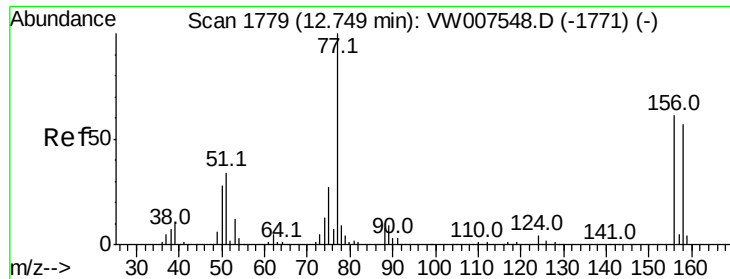
Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion:	75	Resp:	8755
Ion Ratio	Lower	Upper	
75	100		
77	0.0	166.9	500.8#





#77

Bromobenzene

Concen: 20.053 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

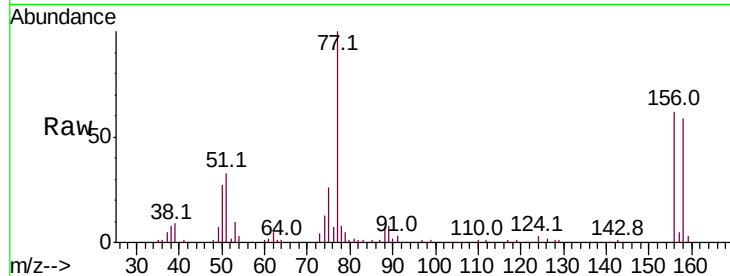
ClientSampleId :

VW1216SBS01

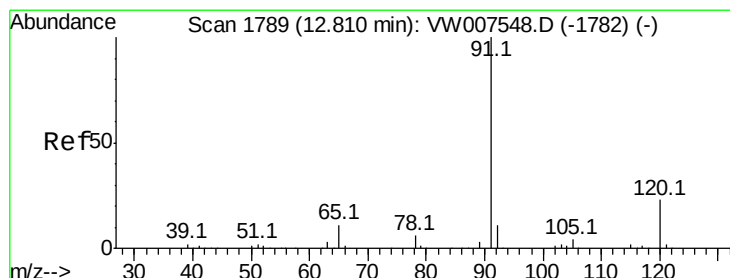
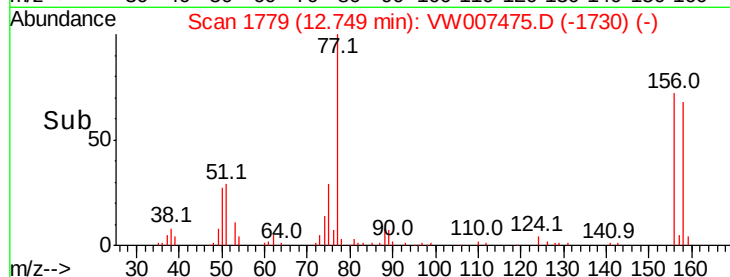
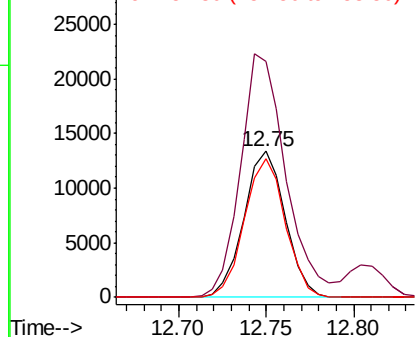
Tot Ion:	156	Resp:	21935
Ion Ratio	Lower	Upper	
156	100		
77	182.7	88.1	264.4
158	93.9	45.6	136.7

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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: 20.232 ug/l

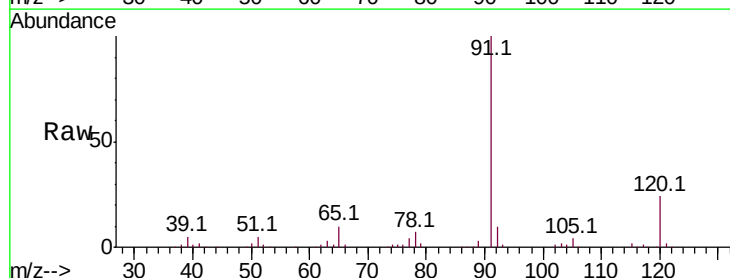
RT: 12.81 min Scan# 1789

Delta R.T. 0.01 min

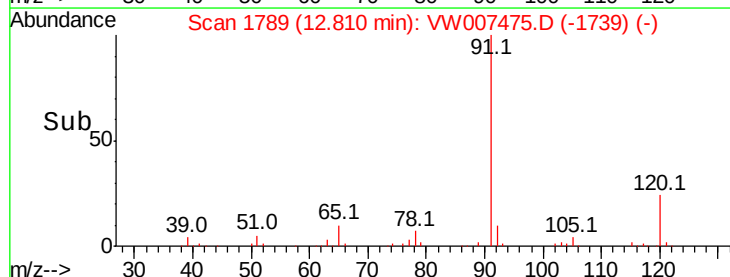
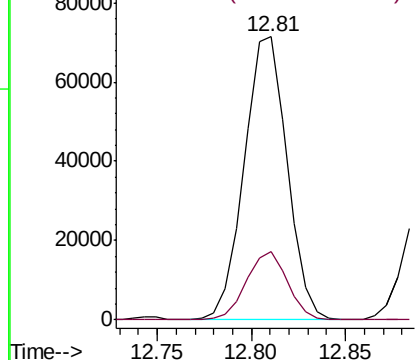
Lab File: VW007475.D

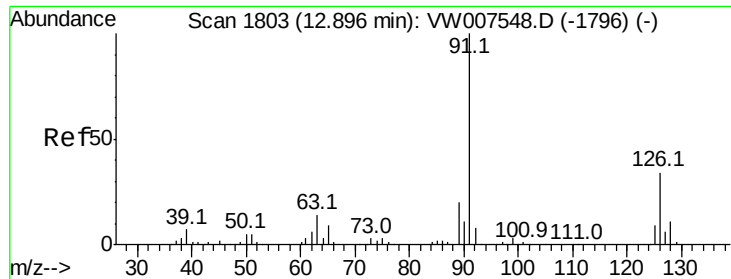
Acq: 13 Dec 2018 09:34

Tgt Ion:	91	Resp:	112362
Ion Ratio	Lower	Upper	
91	100		
120	23.3	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: 19.593 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Instrument :

MSVOA_W

ClientSampleId :

VW1216SBS01

Tot Ion: 91 Resp: 65841

Ion Ratio Lower Upper

91 100

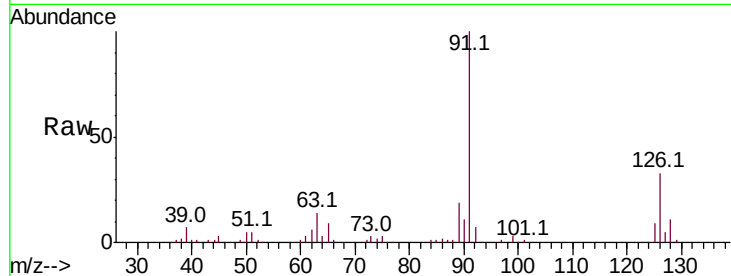
126 33.7 15.9 47.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V

80000

60000

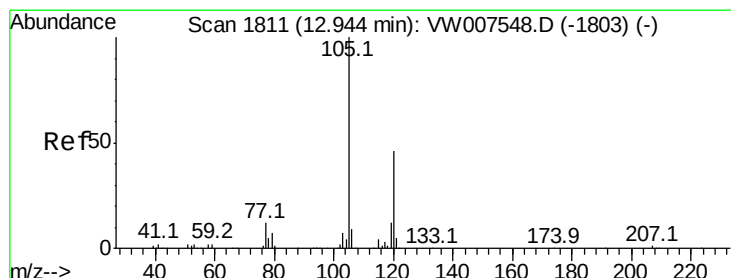
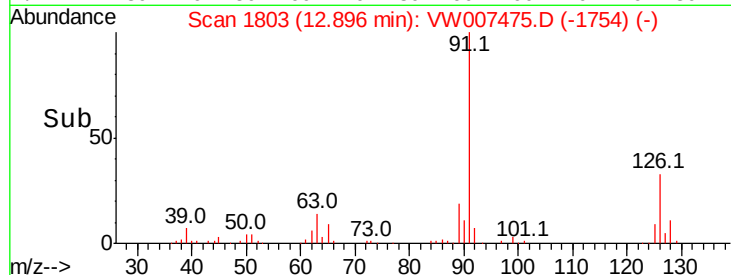
40000

20000

0

12.85 12.90 12.95

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 20.066 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW007475.D

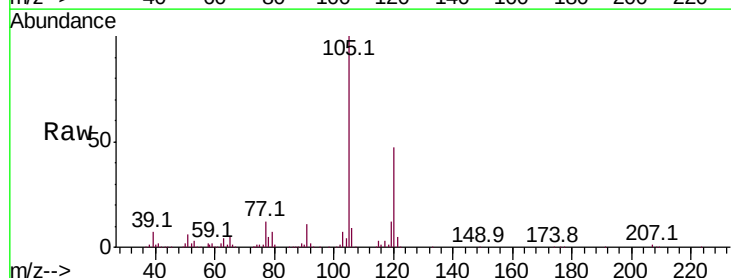
Acq: 13 Dec 2018 09:34

Tgt Ion:105 Resp: 83201

Ion Ratio Lower Upper

105 100

120 47.2 23.8 71.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

60000

50000

40000

30000

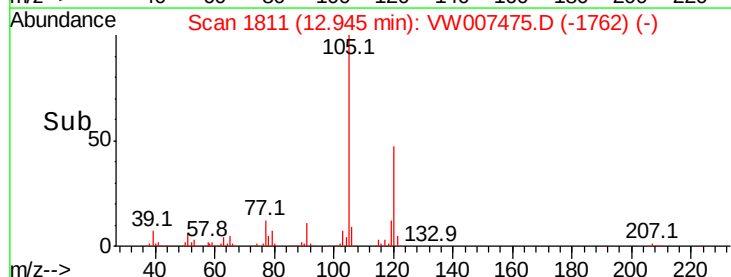
20000

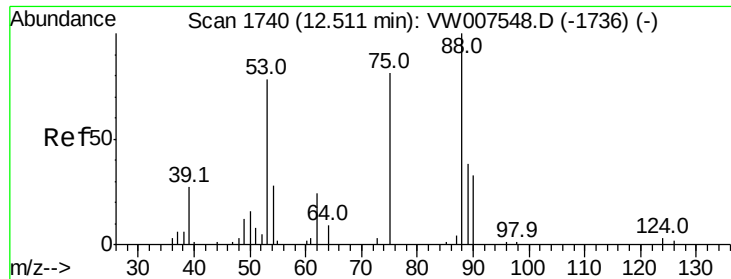
10000

0

12.90 12.94 13.00

Time-->





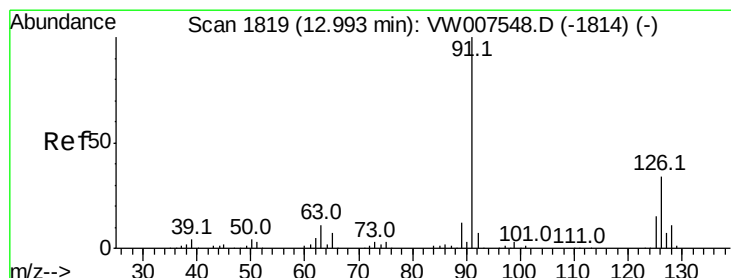
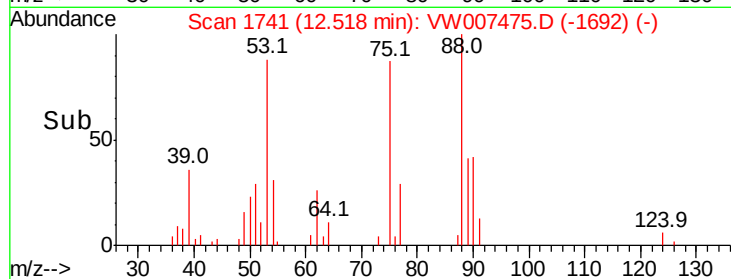
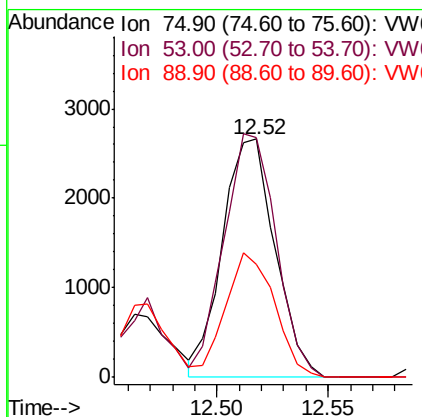
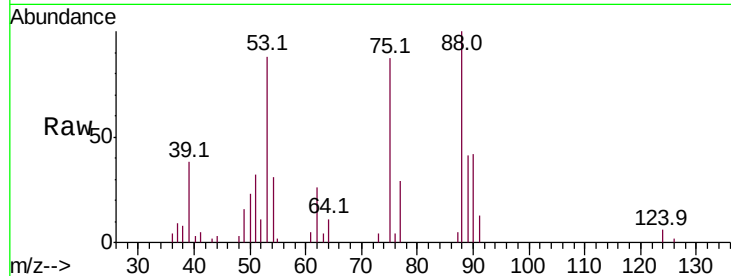
#81
trans-1,4-Dichloro-2-butene
Concen: 18.171 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	101.8	84.9	127.3
89	49.2	40.3	60.5

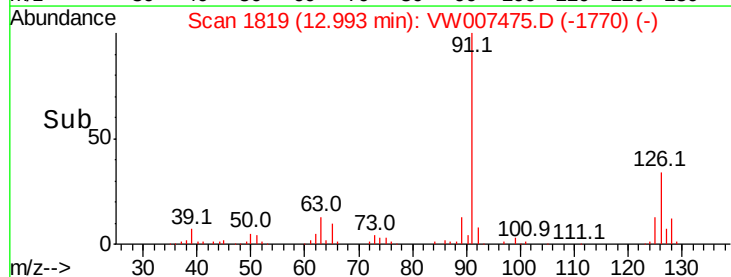
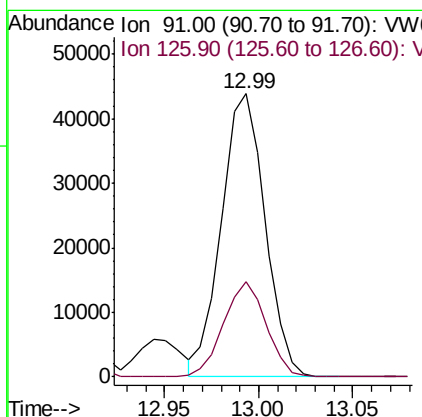
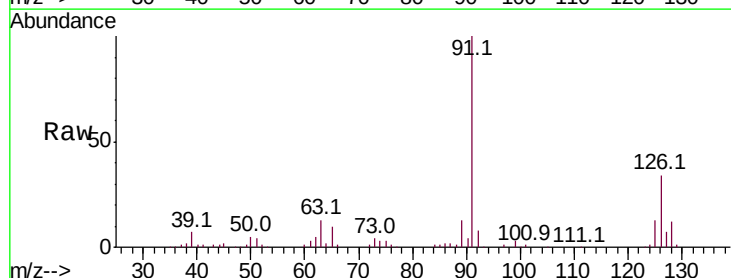
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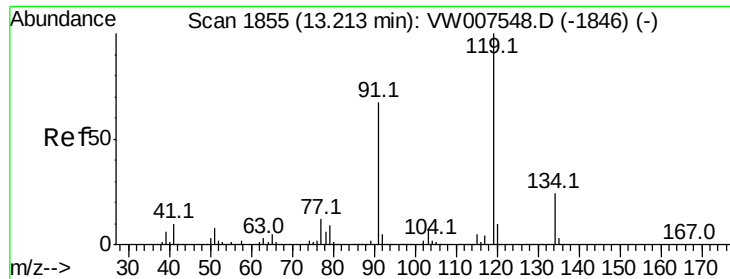
MMDadoda
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#82
4-Chlorotoluene
Concen: 19.854 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.0	48.0





#83

tert-Butylbenzene

Concen: 19.928 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

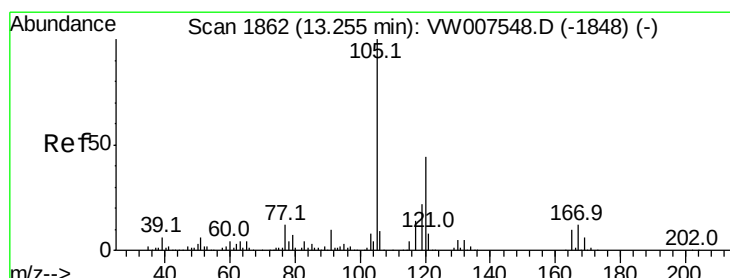
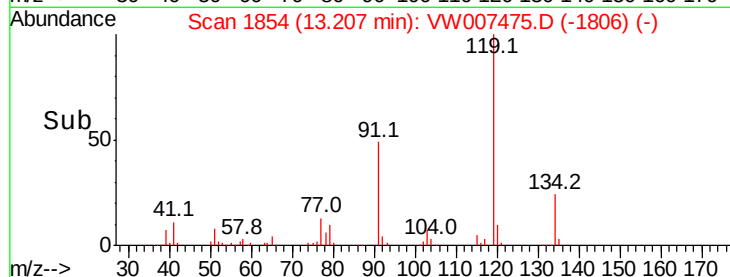
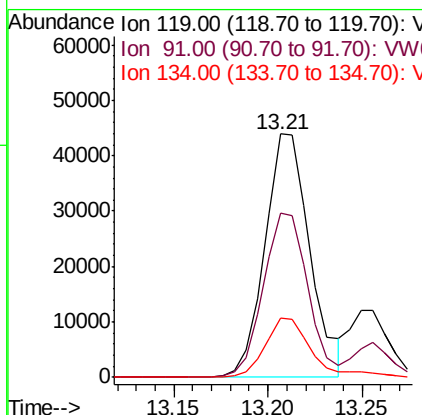
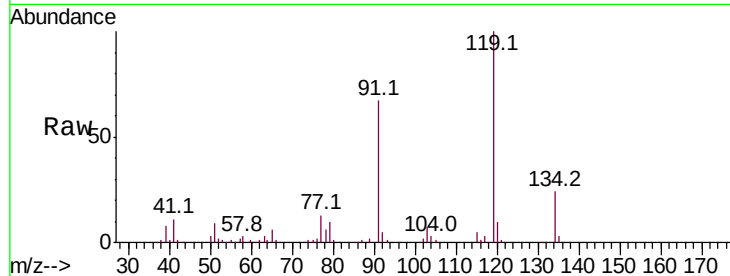
Instrument :
MSVOA_W

ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	72806		
91	66.6		33.1	99.2
134	25.1		12.5	37.5

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#84

1,2,4-Trimethylbenzene

Concen: 19.683 ug/l

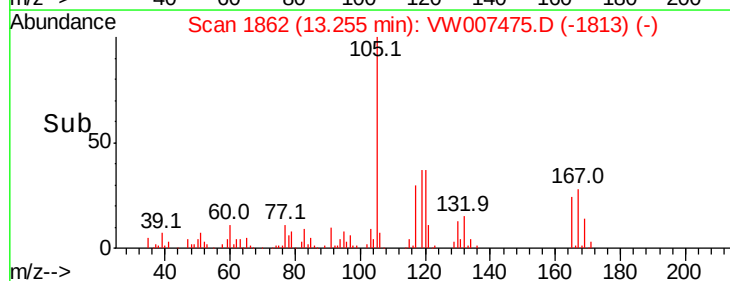
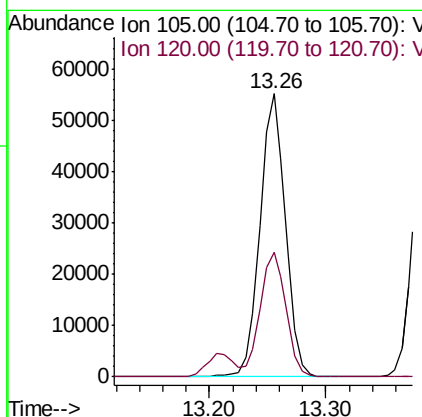
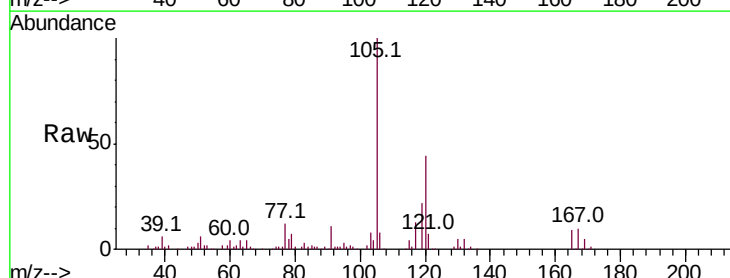
RT: 13.26 min Scan# 1862

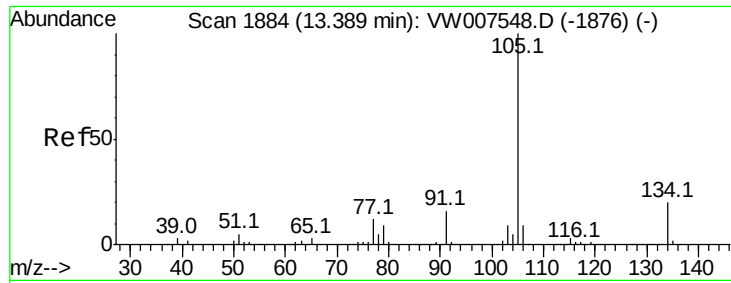
Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	83986		
120	44.6		22.6	67.7





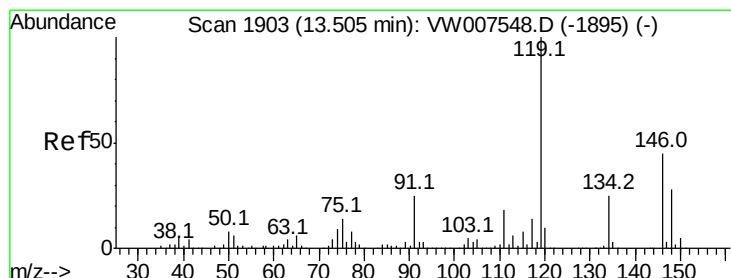
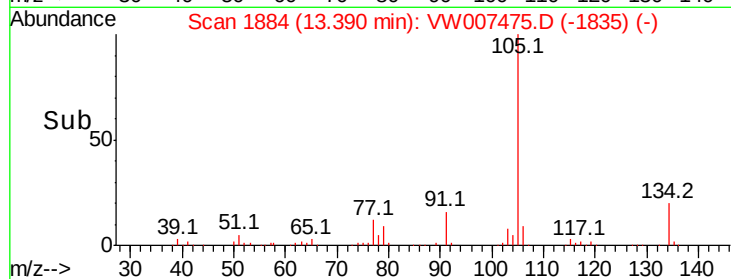
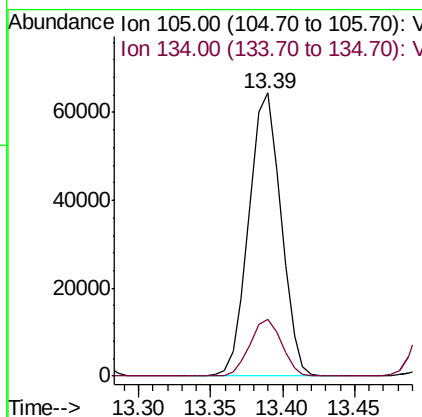
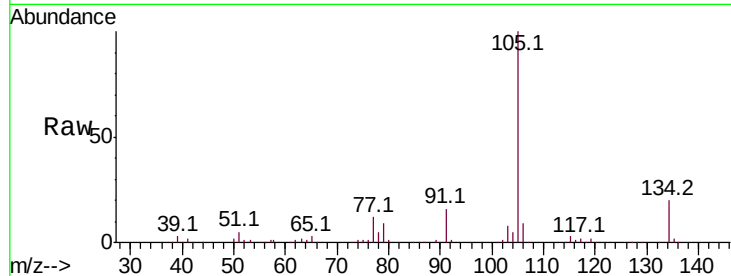
#85
 sec-Butylbenzene
 Concen: 19.955 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.9	11.1	33.3

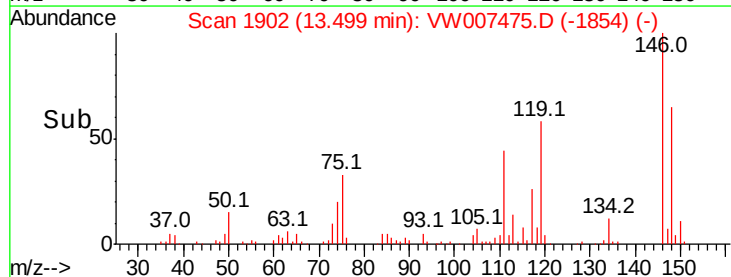
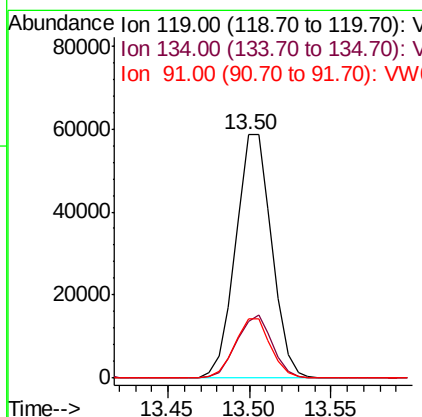
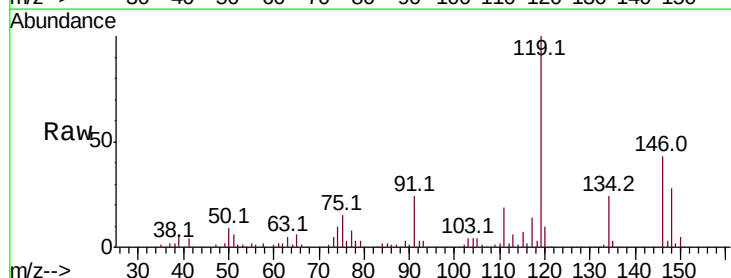
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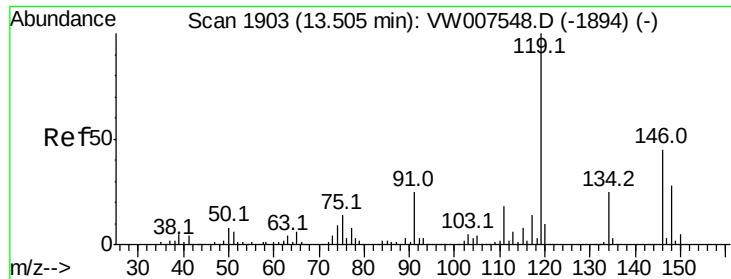
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#86
 p-Isopropyltoluene
 Concen: 20.139 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	12.9	38.7
91	24.6	11.9	35.9





#87

1,3-Dichlorobenzene

Concen: 19.934 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

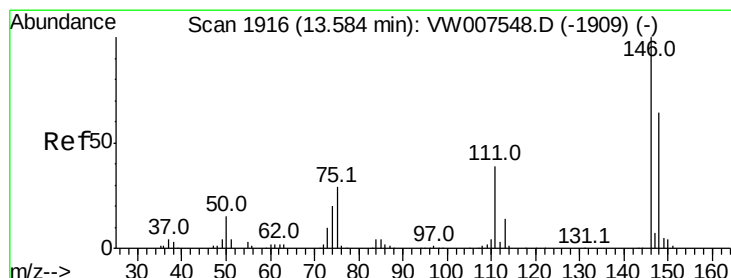
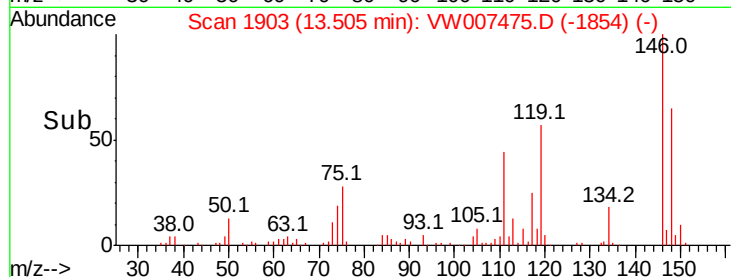
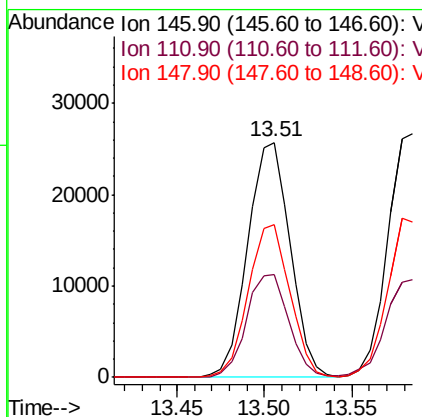
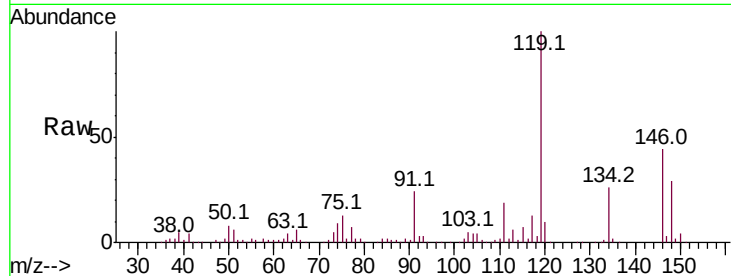
Instrument :
MSVOA_W

ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.7	20.1	60.3
148	63.7	31.4	94.0

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#88

1,4-Dichlorobenzene

Concen: 19.802 ug/l

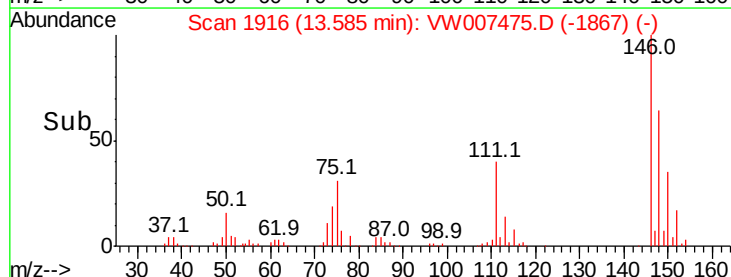
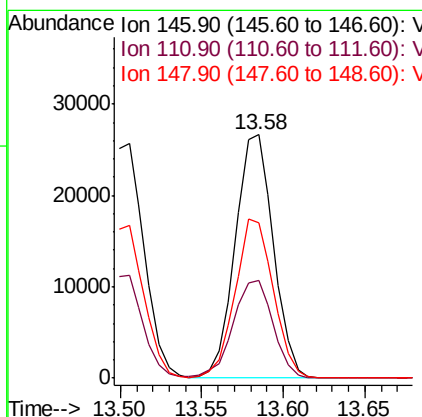
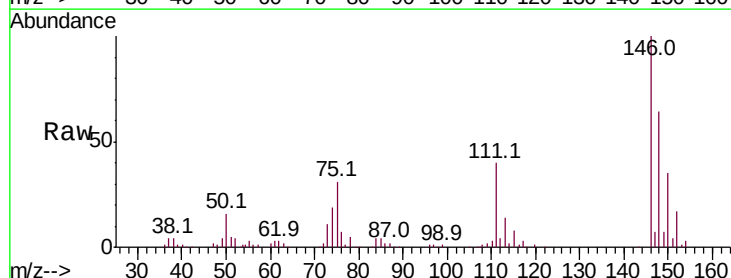
RT: 13.58 min Scan# 1916

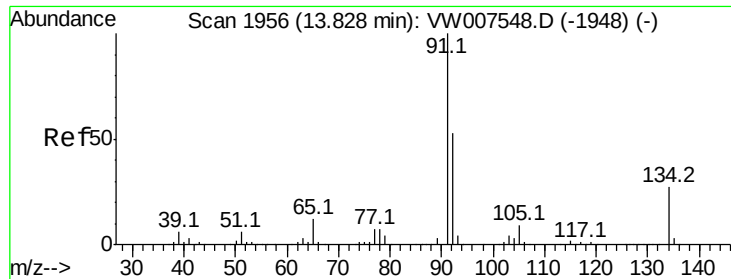
Delta R.T. 0.00 min

Lab File: VW007475.D

Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.3	61.0
148	65.6	33.5	100.5





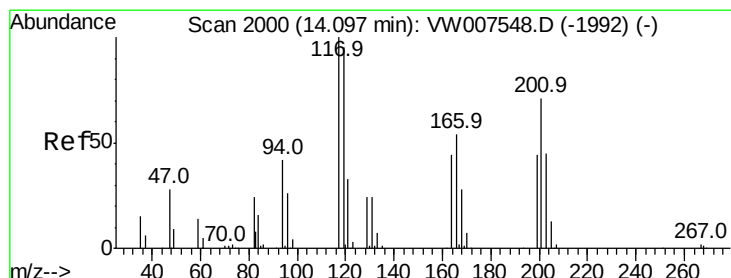
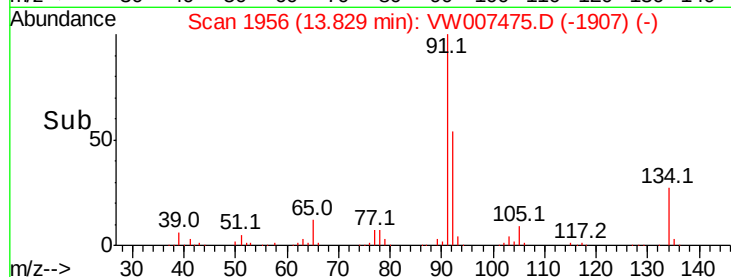
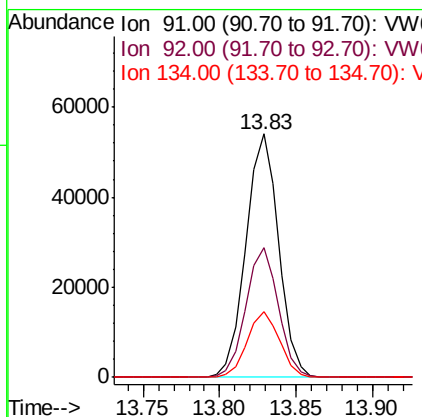
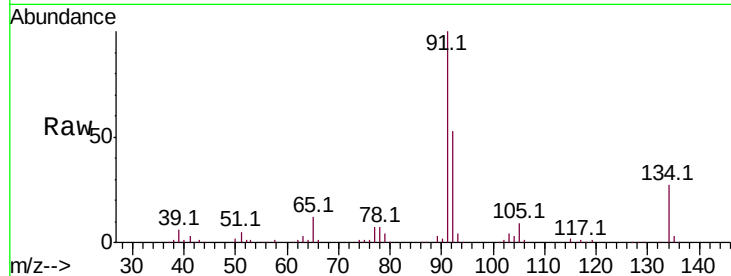
#89
n-Butylbenzene
Concen: 19.312 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion:	91	Resp:	80218
Ion Ratio	Lower	Upper	
91	100		
92	52.7	25.7	77.1
134	26.7	13.4	40.2

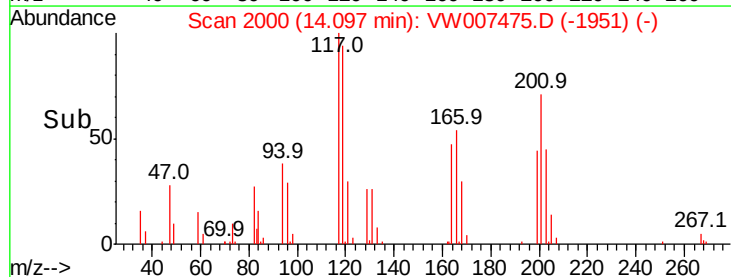
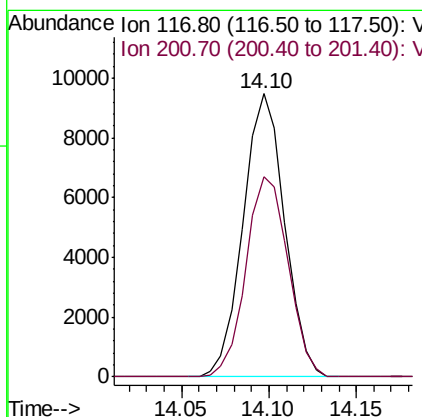
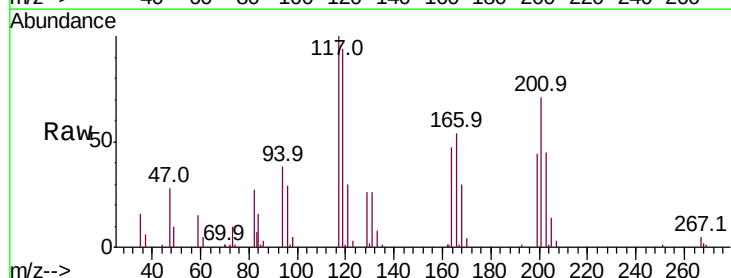
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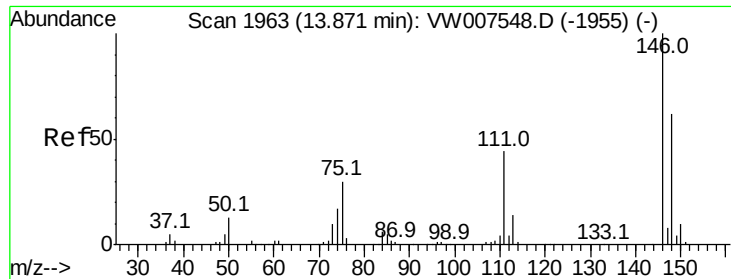
MMDadoda
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#90
Hexachloroethane
Concen: 19.572 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion:	117	Resp:	15604
Ion Ratio	Lower	Upper	
117	100		
201	72.1	35.3	105.9





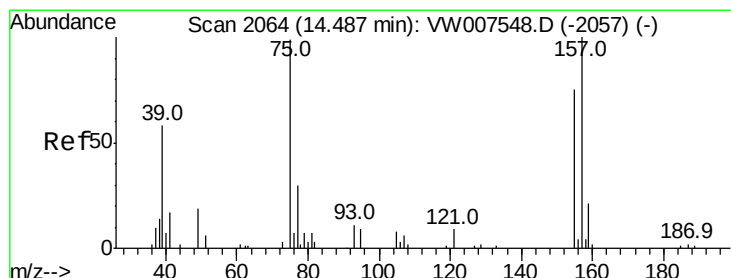
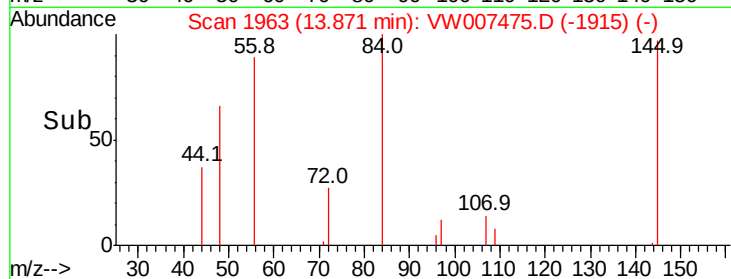
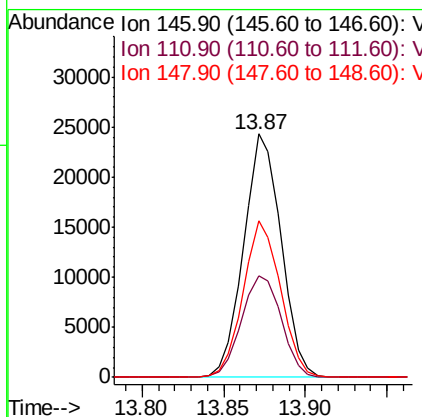
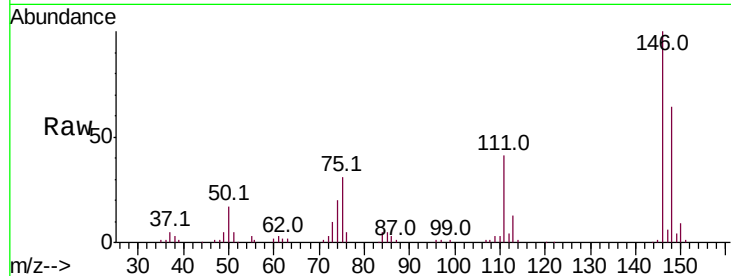
#91
 1,2-Dichlorobenzene
 Concen: 19.937 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.01 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1216SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.1	22.4	67.2
148	64.0	32.4	97.2

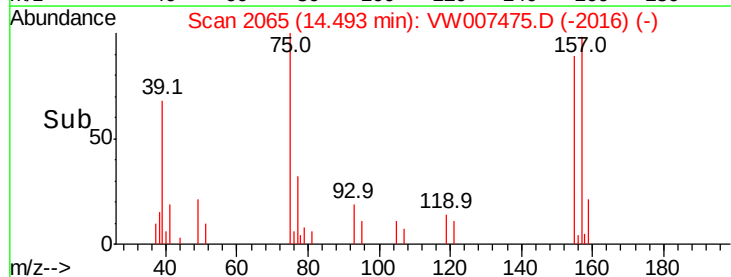
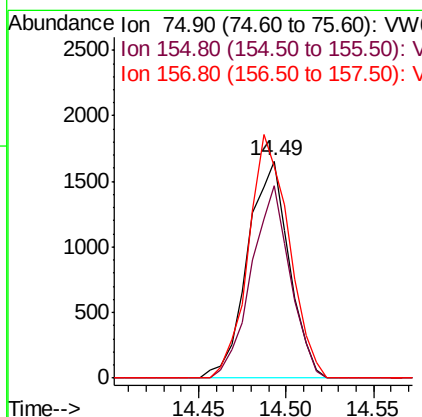
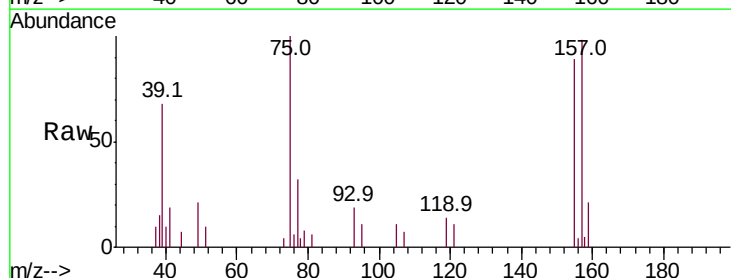
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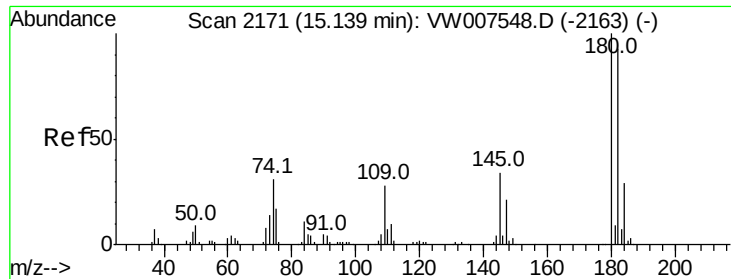
MMDadoda
 12/24/2018 12:18:09 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.701 ug/l
 RT: 14.49 min Scan# 2065
 Delta R.T. 0.00 min
 Lab File: VW007475.D
 Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.0	40.8	122.2
157	109.6	51.1	153.4





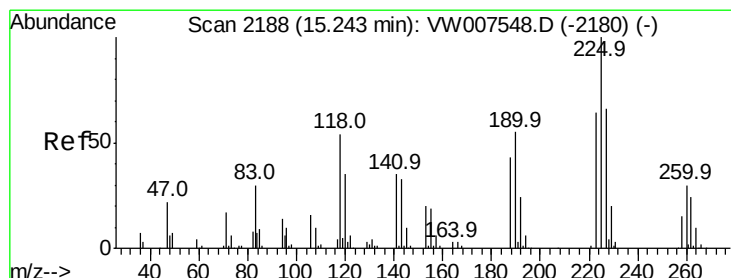
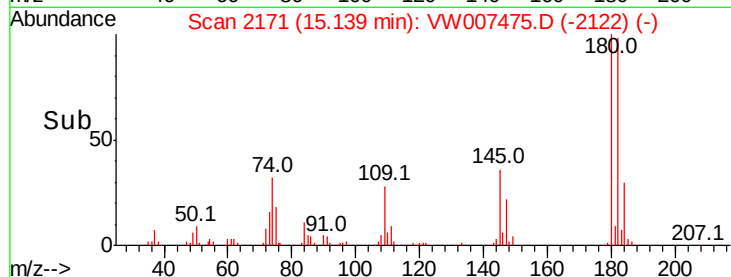
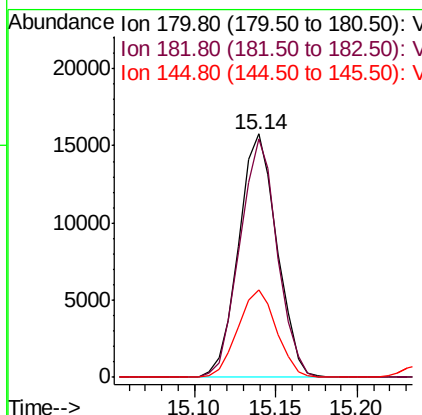
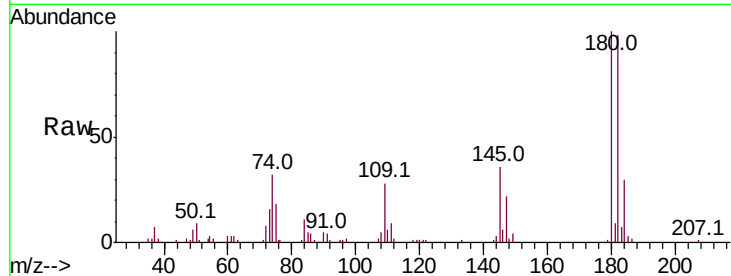
#93
1,2,4-Trichlorobenzene
Concen: 19.163 ug/l
RT: 15.14 min Scan# 2171
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.8	49.9	149.6	
145	36.3	17.8	53.4	

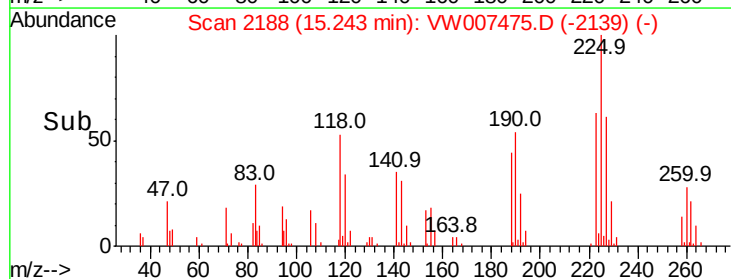
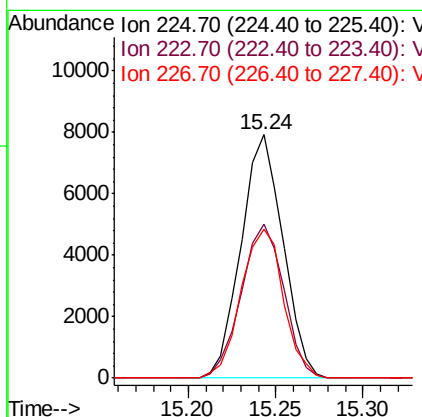
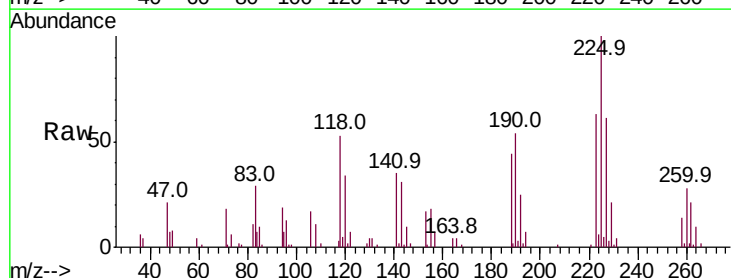
Manual Integrations
APPROVED

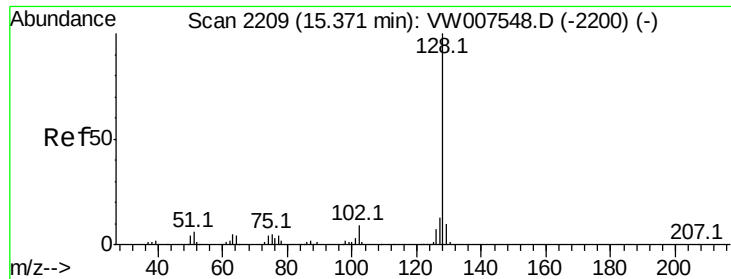
MMDadoda
12/24/2018 12:18:09 PM



#94
Hexachlorobutadiene
Concen: 18.461 ug/l
RT: 15.24 min Scan# 2188
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.4	32.1	96.3	
227	62.1	31.9	95.9	





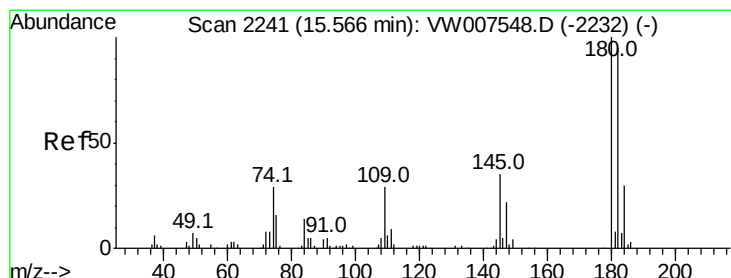
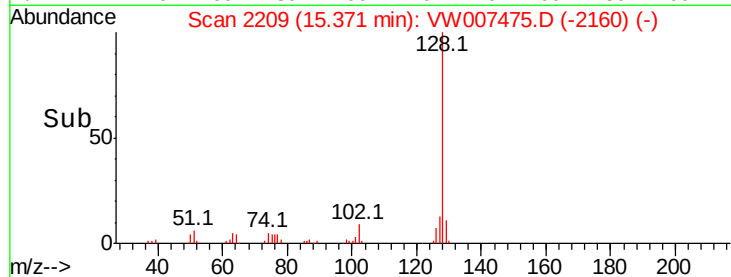
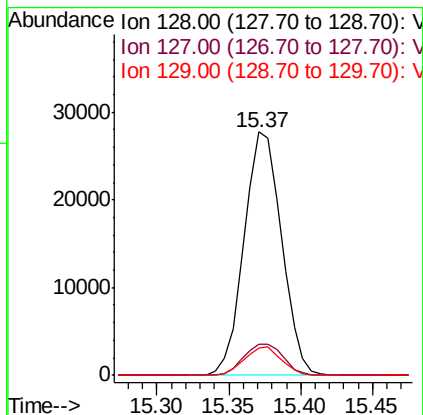
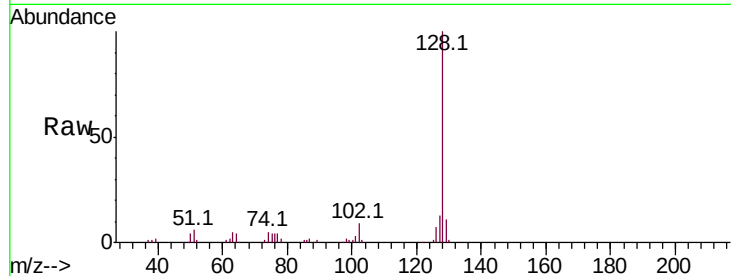
#95
Naphthalene
Concen: 19.514 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Instrument :
MSVOA_W
ClientSampleId :
VW1216SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.2	15.4
129	11.5	8.3	12.5

Manual Integrations
APPROVED

MMDadoda
12/24/2018 12:18:09 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.958 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. 0.01 min
Lab File: VW007475.D
Acq: 13 Dec 2018 09:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	45.6	136.7
145	38.0	17.5	52.5

