

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
 Data File : VW004001.D
 Acq On : 17 Jul 2018 23:33
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

apatel
 7/18/2018 12:29:22 PM

Quant Time: Jul 18 06:47:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W071618S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jul 16 15:06:12 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	241513	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	383668	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	349205	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	183842	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	151579	56.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	112.30%	
35) Dibromofluoromethane	7.89	113	132108	53.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.34%	
50) Toluene-d8	10.33	98	517027	54.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.26%	
62) 4-Bromofluorobenzene	12.62	95	184796	53.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	54421m	40.13	ug/l	
3) Chloromethane	2.21	50	89699	50.25	ug/l	100
4) Vinyl Chloride	2.36	62	123547	50.31	ug/l	98
5) Bromomethane	2.77	94	77538	50.52	ug/l	97
6) Chloroethane	2.92	64	70763	50.72	ug/l	97
7) Trichlorofluoromethane	3.25	101	51800	50.25	ug/l	96
8) Diethyl Ether	3.67	74	60369	50.45	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.05	101	115743	48.66	ug/l	98
10) Methyl Iodide	4.26	142	178381	52.21	ug/l	99
11) Tert butyl alcohol	5.18	59	46842	251.35	ug/l	99
12) 1,1-Dichloroethene	4.03	96	118138	50.33	ug/l	98
13) Acrolein	3.89	56	48745	254.56	ug/l	98
14) Allyl chloride	4.66	41	206194	53.22	ug/l	99
15) Acrylonitrile	5.37	53	167200	272.69	ug/l	99
16) Acetone	4.12	43	138626	213.69	ug/l	99
17) Carbon Disulfide	4.37	76	370273	50.54	ug/l	99
18) Methyl Acetate	4.67	43	125687	80.71	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	246796	54.86	ug/l	99
20) Methylene Chloride	4.91	84	138067	47.87	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	135193	52.55	ug/l	97
22) Diisopropyl ether	6.31	45	441921	56.44	ug/l	98
23) Vinyl Acetate	6.26	43	1213393	244.58	ug/l	99
24) 1,1-Dichloroethane	6.21	63	256437	53.68	ug/l	99
25) 2-Butanone	7.18	43	227162	260.21	ug/l	98
26) 2,2-Dichloropropane	7.17	77	124624	45.44	ug/l	99
27) cis-1,2-Dichloroethene	7.17	96	147640	53.08	ug/l	99
28) Bromochloromethane	7.51	49	99014	50.64	ug/l	97
29) Tetrahydrofuran	7.53	42	148806	273.65	ug/l	99
30) Chloroform	7.68	83	259257	54.56	ug/l	99
31) Cyclohexane	7.96	56	218078	48.69	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	193959	52.27	ug/l	99
36) 1,1-Dichloropropene	8.09	75	204453	51.79	ug/l	99
37) Ethyl Acetate	7.26	43	94499	49.63	ug/l	99
38) Carbon Tetrachloride	8.07	117	186355	50.52	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	231709	50.12	ug/l	98
40) Benzene	8.32	78	581715	53.12	ug/l	99
41) Methacrylonitrile	7.49	41	59562	56.46	ug/l	90
42) 1,2-Dichloroethane	8.40	62	181073	54.20	ug/l	100
43) Isopropyl Acetate	8.43	43	189669	53.26	ug/l	100
44) Trichloroethene	9.09	130	144536	50.91	ug/l	99
45) 1,2-Dichloropropane	9.37	63	151323	54.14	ug/l	100
46) Dibromomethane	9.46	93	77820	53.65	ug/l	100
47) Bromodichloromethane	9.65	83	193247	54.05	ug/l	99
48) Methyl methacrylate	9.44	41	93570	54.33	ug/l	99
49) 1,4-Dioxane	9.46	88	24629	1104.68	ug/l	99
51) 4-Methyl-2-Pentanone	10.21	43	514403	271.14	ug/l	99
52) Toluene	10.39	92	360793	53.28	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	194355	51.98	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	221726	51.84	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	109358	53.61	ug/l	98
56) Ethyl methacrylate	10.65	69	142003	48.75	ug/l	97
57) 1,3-Dichloropropane	10.94	76	192362	54.28	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	320447	264.80	ug/l	99
59) 2-Hexanone	10.98	43	358762	268.30	ug/l	98
60) Dibromochloromethane	11.13	129	126591	53.29	ug/l	100
61) 1,2-Dibromoethane	11.24	107	102166	52.64	ug/l	97
64) Tetrachloroethene	10.87	164	134104	55.97	ug/l	98
65) Chlorobenzene	11.66	112	388493	52.32	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.74	131	135581	52.54	ug/l	100
67) Ethyl Benzene	11.74	91	693936	53.20	ug/l	97
68) m/p-Xylenes	11.85	106	527847	105.88	ug/l	100
69) o-Xylene	12.17	106	245721	53.13	ug/l	98
70) Styrene	12.19	104	426941	55.27	ug/l	99
71) Bromoform	12.35	173	77729	53.35	ug/l #	100
73) Isopropylbenzene	12.47	105	675716	52.02	ug/l	99
74) N-amyl acetate	12.28	43	179675	53.08	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	132078	52.57	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	89999m	49.31	ug/l	
77) Bromobenzene	12.75	156	159402	51.28	ug/l	99
78) n-propylbenzene	12.81	91	830270	52.10	ug/l	100
79) 2-Chlorotoluene	12.90	91	474943	52.84	ug/l	98
80) 1,3,5-Trimethylbenzene	12.95	105	570489	52.18	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	38955	47.21	ug/l	96
82) 4-Chlorotoluene	12.99	91	491237	50.93	ug/l	99
83) tert-Butylbenzene	13.21	119	473769	51.62	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	593691	52.78	ug/l	99
85) sec-Butylbenzene	13.39	105	698438	51.29	ug/l	100
86) p-Isopropyltoluene	13.51	119	612580	51.28	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	316001	50.90	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	314786	50.56	ug/l	99
89) n-Butylbenzene	13.83	91	593400	50.53	ug/l	99
90) Hexachloroethane	14.10	117	112855	51.25	ug/l	98
91) 1,2-Dichlorobenzene	13.88	146	285291	51.58	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.49	75	22606	50.60	ug/l	96

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.15	180	195321	50.28	ug/l	100
94) Hexachlorobutadiene	15.25	225	108270	48.53	ug/l	99
95) Naphthalene	15.38	128	380647	53.09	ug/l	100
96) 1,2,3-Trichlorobenzene	15.57	180	178540	51.91	ug/l	99

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

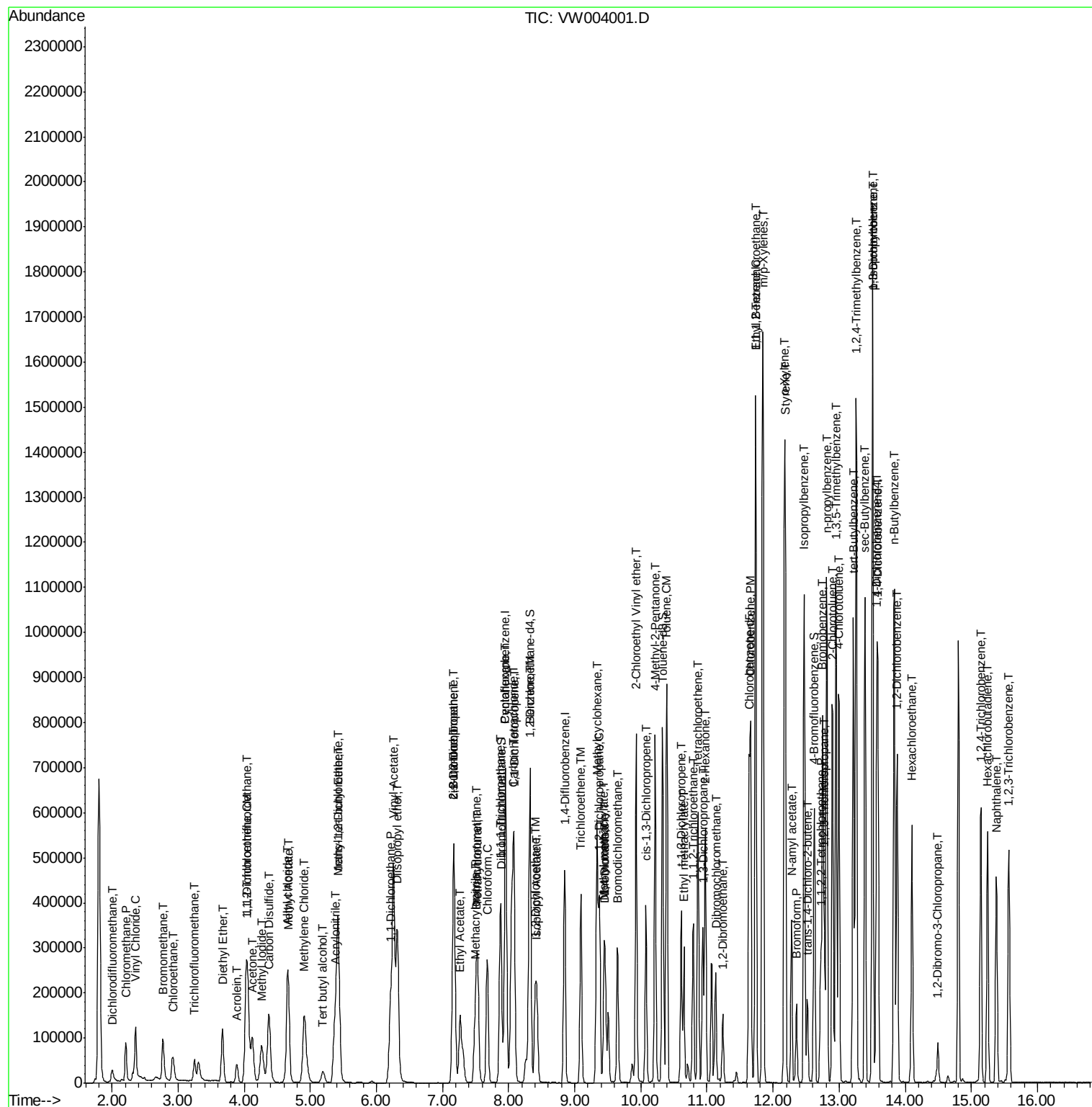
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW071718\
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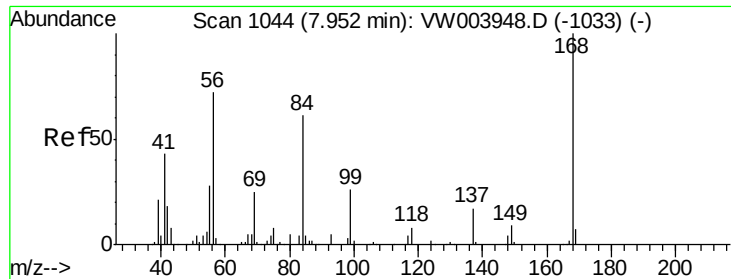
Instrument :
 MSVOA_W
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.95 min Scan# 1044

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 241513

Ion Ratio Lower Upper

168 100

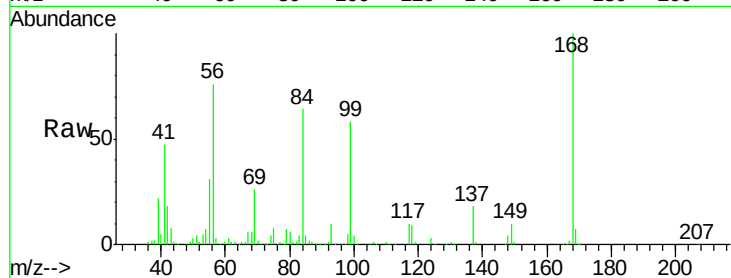
99 57.6 43.8 65.6

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

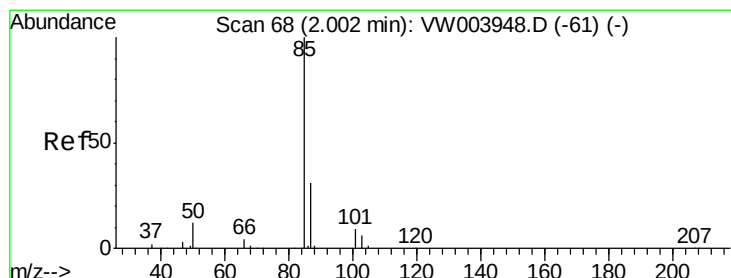
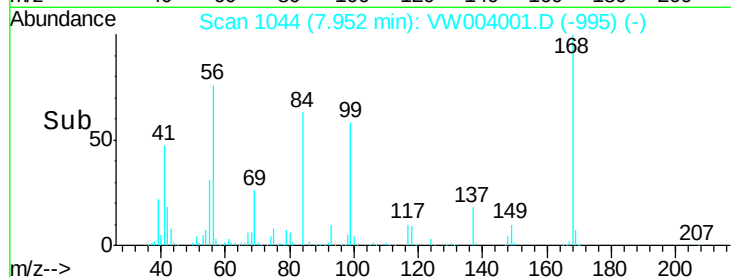
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 40.13 ug/l m

RT: 2.00 min Scan# 68

Delta R.T. -0.00 min

Lab File: VW004001.D

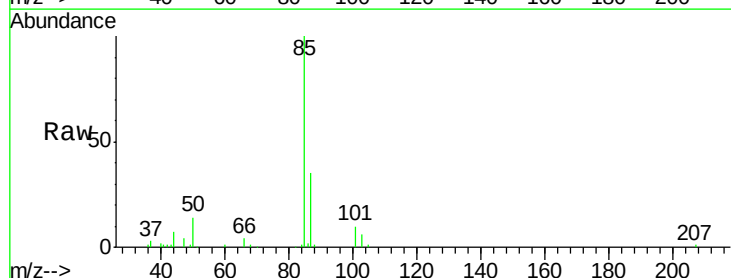
Acq: 17 Jul 2018 23:33

Tgt Ion: 85 Resp: 54421

Ion Ratio Lower Upper

85 100

87 34.6 15.4 46.2



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

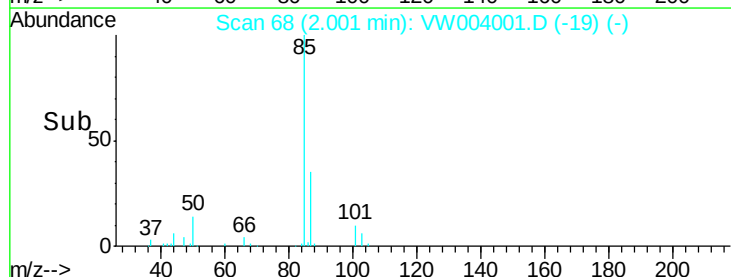
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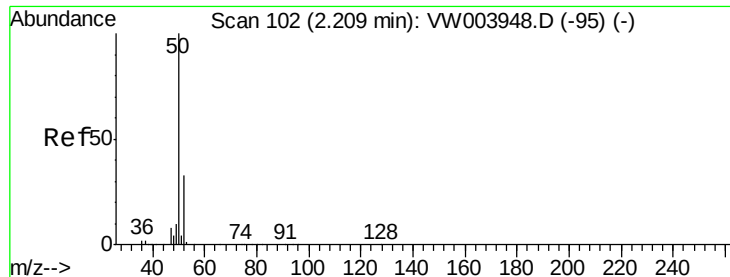
10000

5000

0

Time-->





#3

Chloromethane

Concen: 50.25 ug/l

RT: 2.21 min Scan# 102

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 89699

Ion Ratio Lower Upper

50 100

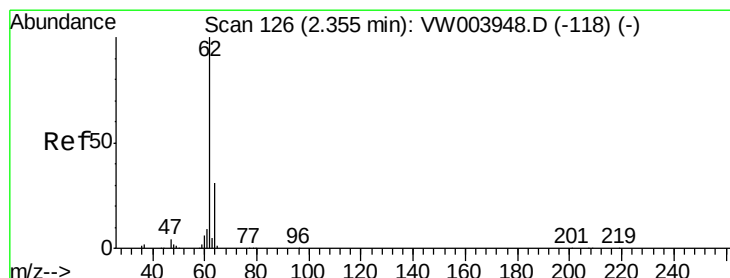
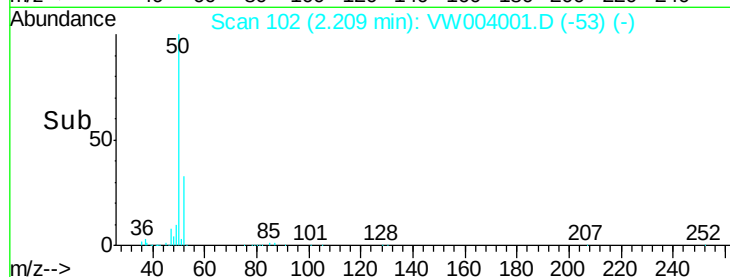
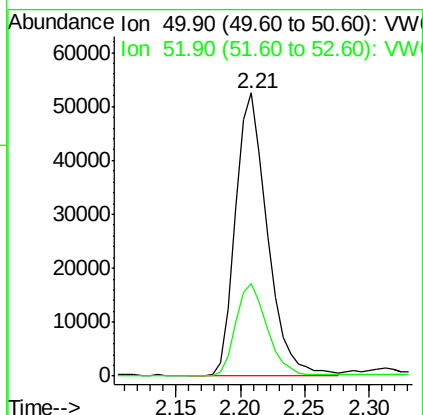
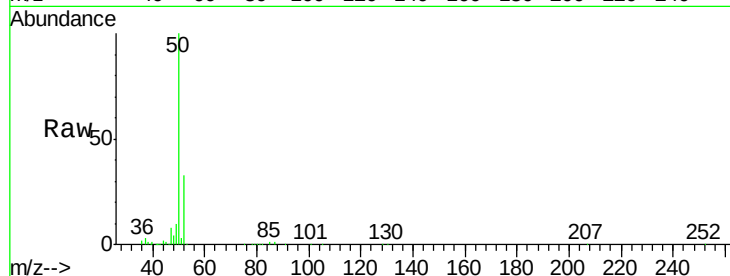
52 33.0 26.3 39.5

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#4

Vinyl Chloride

Concen: 50.31 ug/l

RT: 2.36 min Scan# 126

Delta R.T. -0.00 min

Lab File: VW004001.D

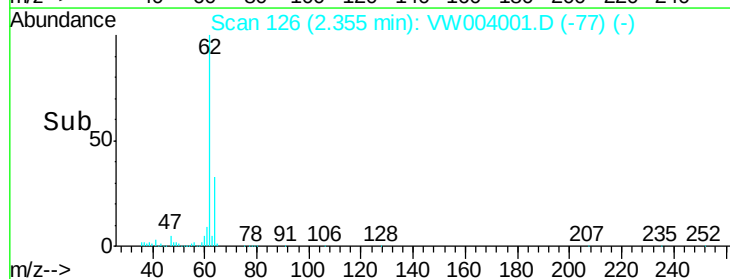
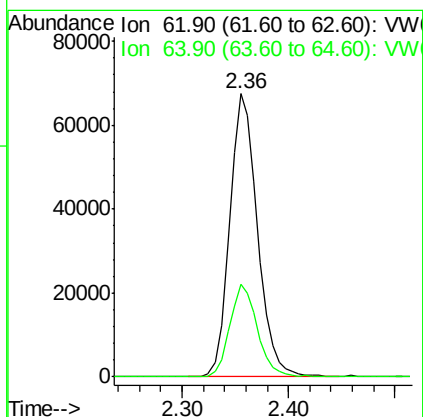
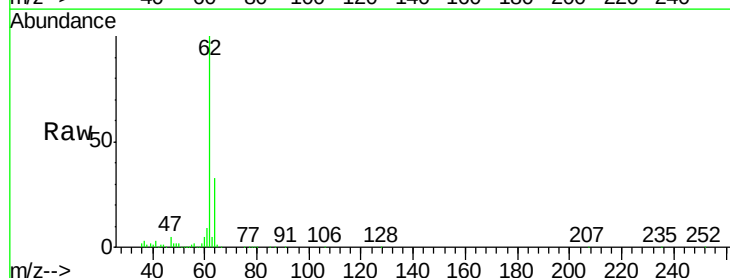
Acq: 17 Jul 2018 23:33

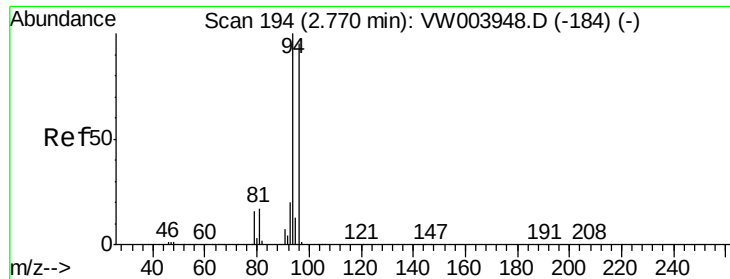
Tgt Ion: 62 Resp: 123547

Ion Ratio Lower Upper

62 100

64 32.5 25.0 37.6





#5

Bromomethane

Concen: 50.52 ug/l

RT: 2.77 min Scan# 194

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 77538

Ion Ratio Lower Upper

94 100

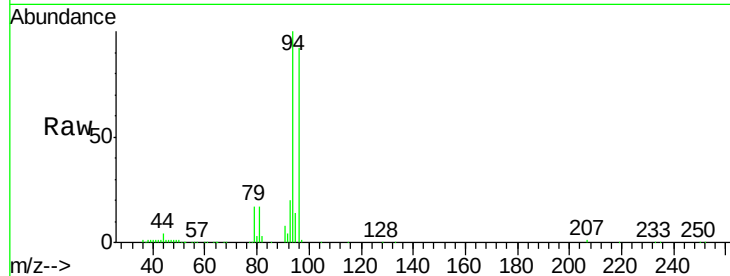
96 91.7 75.8 113.6

Manual Integrations

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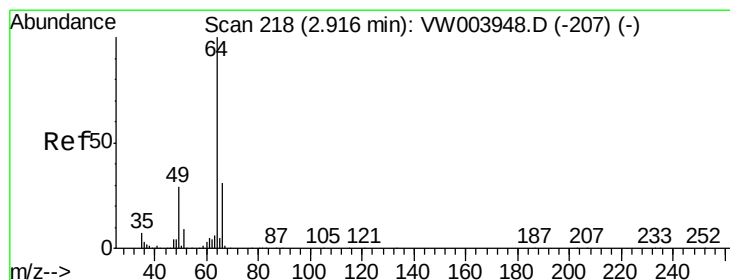
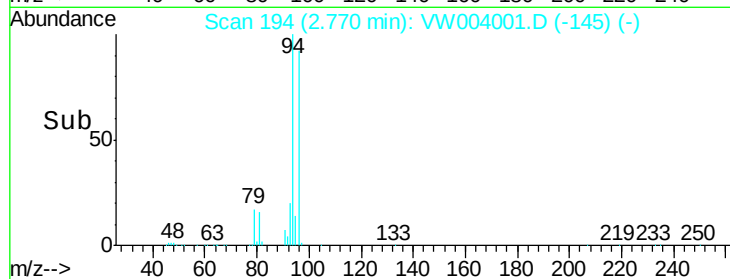
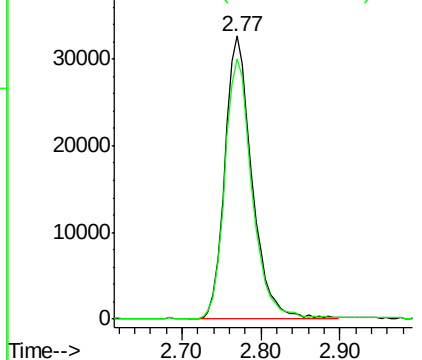
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 50.72 ug/l

RT: 2.92 min Scan# 219

Delta R.T. 0.01 min

Lab File: VW004001.D

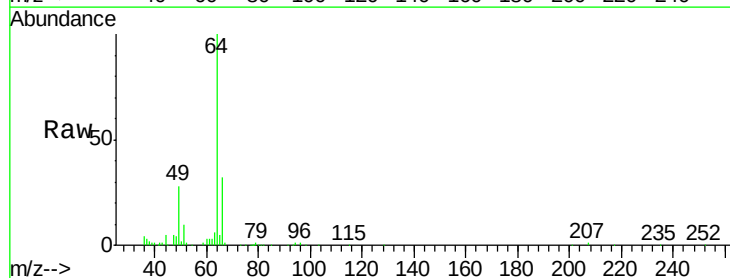
Acq: 17 Jul 2018 23:33

Tgt Ion: 64 Resp: 70763

Ion Ratio Lower Upper

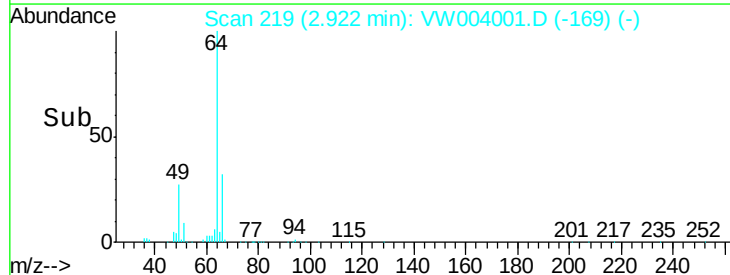
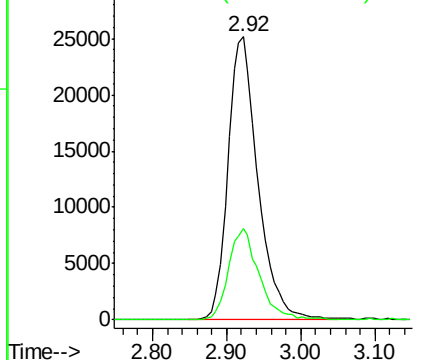
64 100

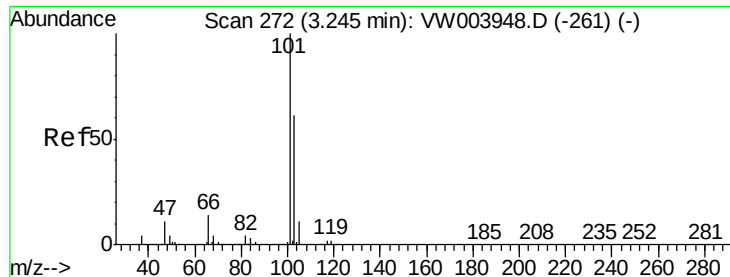
66 32.4 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

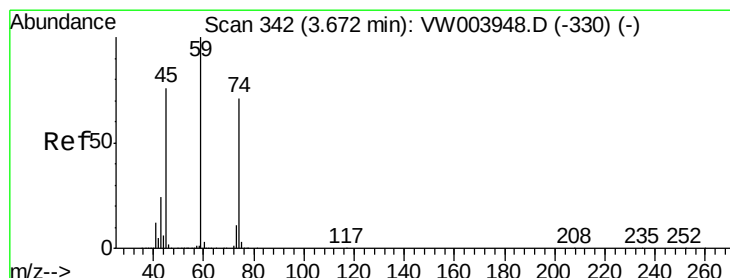
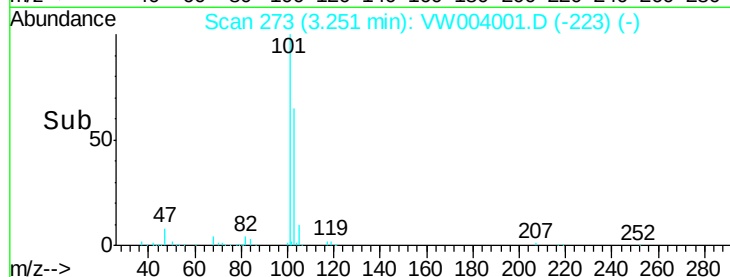
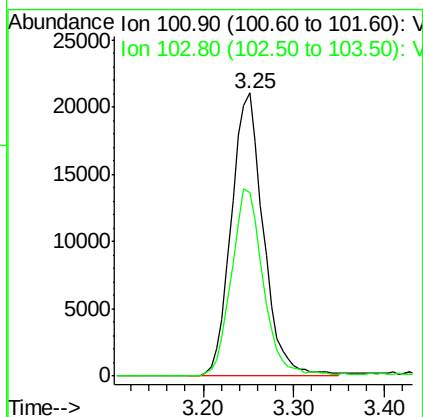
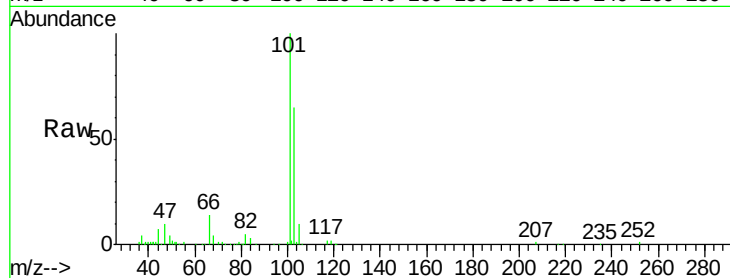
Trichlorofluoromethane
 Concen: 50.25 ug/l
 RT: 3.25 min Scan# 273
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		51800		
103	64.7	49.0	73.6		

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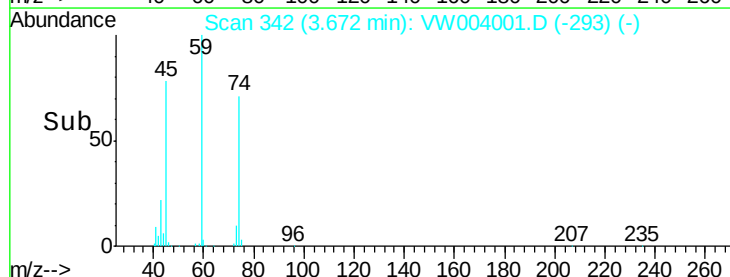
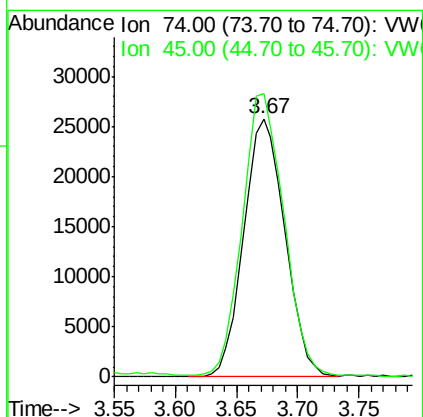
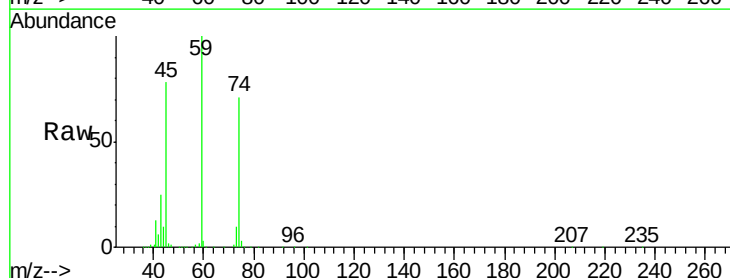
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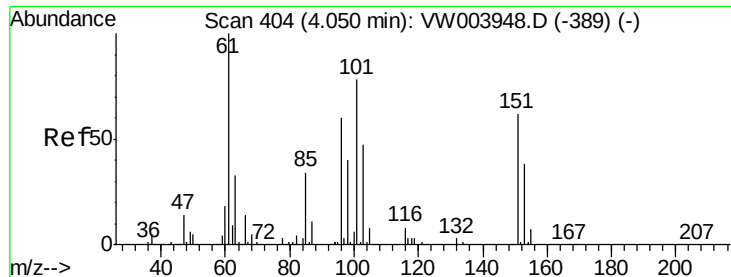


#8

Diethyl Ether
 Concen: 50.45 ug/l
 RT: 3.67 min Scan# 342
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		60369		
45	110.0	53.8	161.4		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.66 ug/l

RT: 4.05 min Scan# 404

Delta R.T. -0.00 min

Lab File: VW004001.D

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MSVOA_W

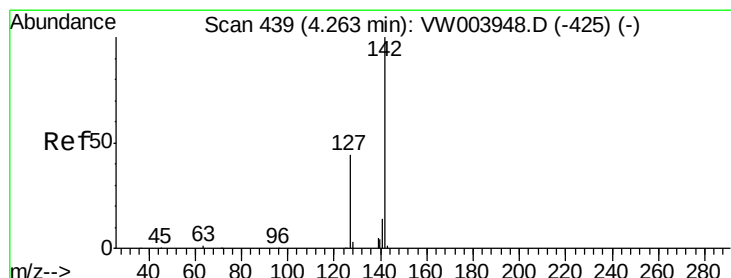
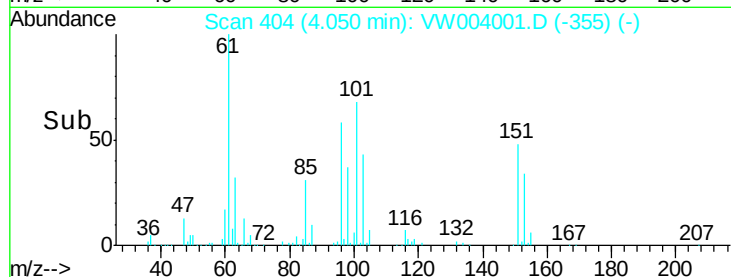
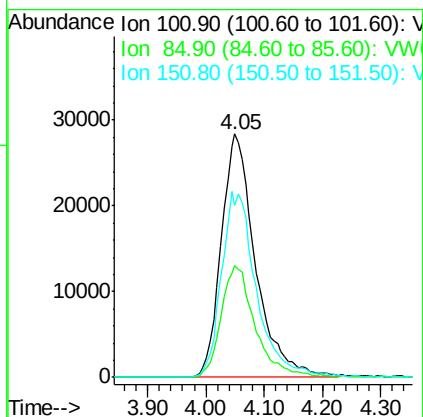
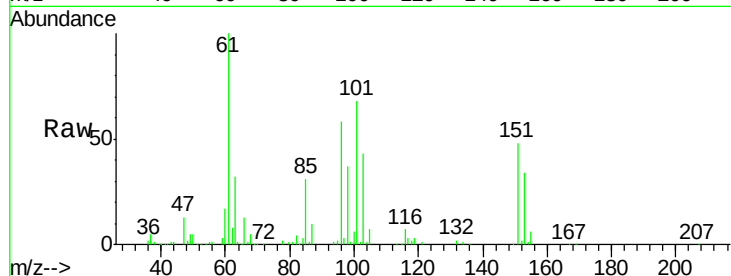
ClientSampled :

VSTDCCC050

Tot Ion:	101	Resp:	115743
Ion Ratio	Lower	Upper	
101	100		
85	45.5	35.8	53.6
151	77.8	63.6	95.4

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#10

Methyl Iodide

Concen: 52.21 ug/l

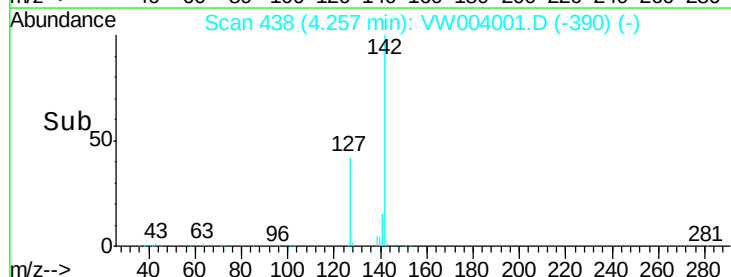
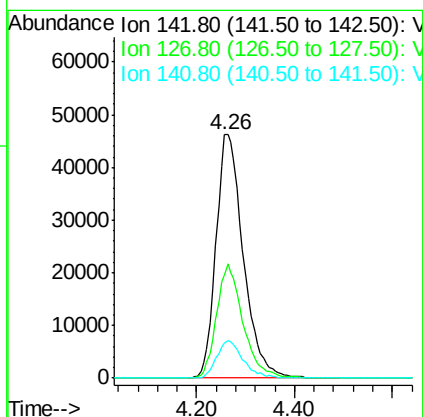
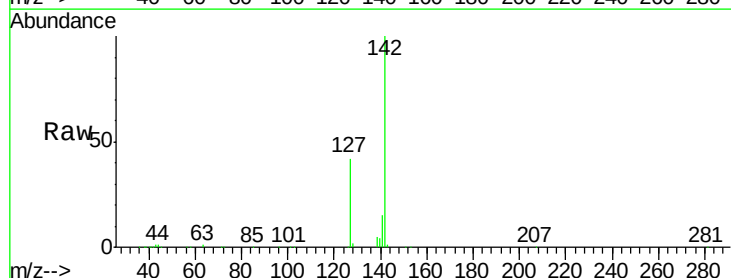
RT: 4.26 min Scan# 438

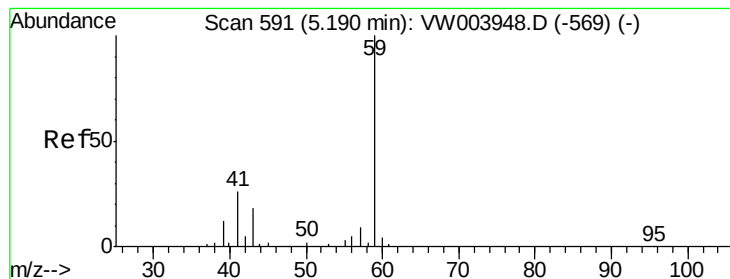
Delta R.T. -0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion:	142	Resp:	178381
Ion Ratio	Lower	Upper	
142	100		
127	45.3	35.4	53.2
141	14.9	11.7	17.5





#11

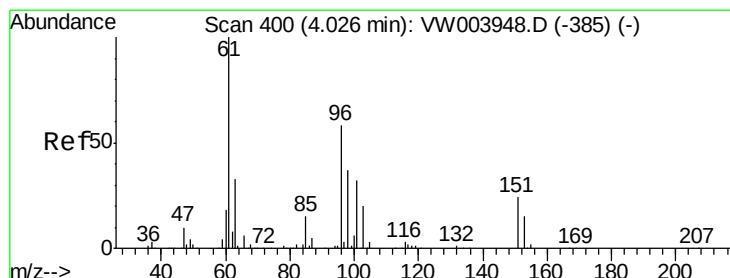
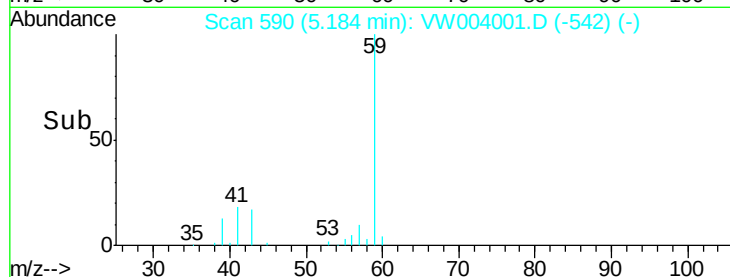
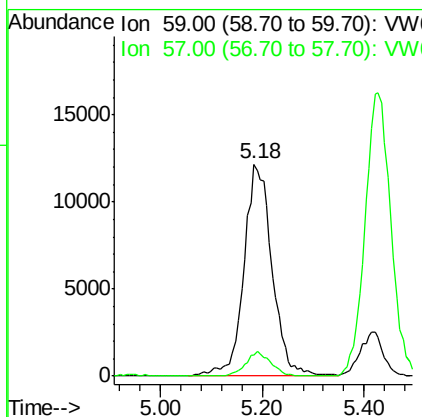
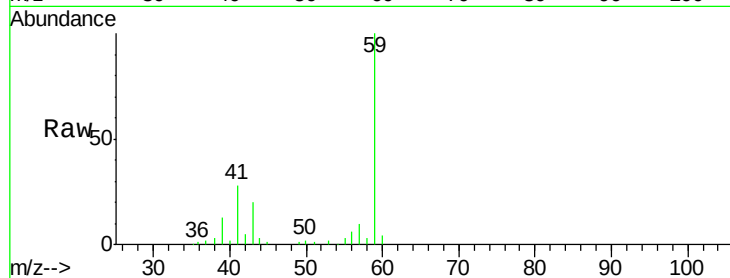
Tert butyl alcohol
 Concen: 251.35 ug/l
 RT: 5.18 min Scan# 590
 Delta R.T. -0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	Resp	46842
Ion Ratio	100	Lower	Upper
57	10.2	8.5	12.7

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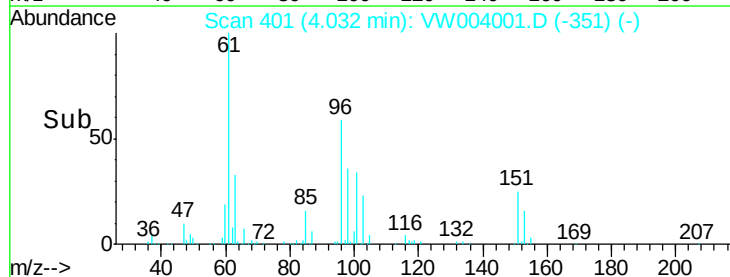
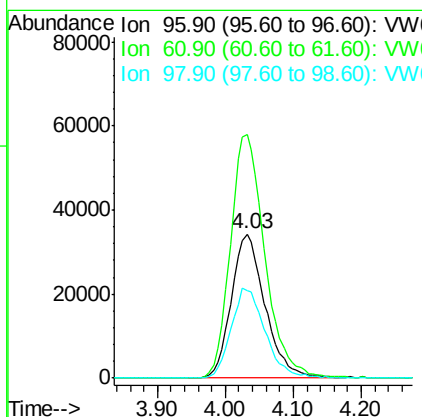
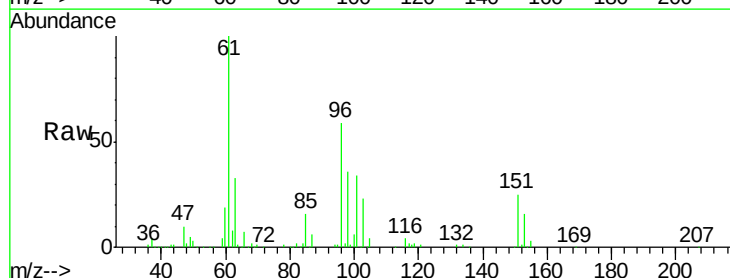
apatel
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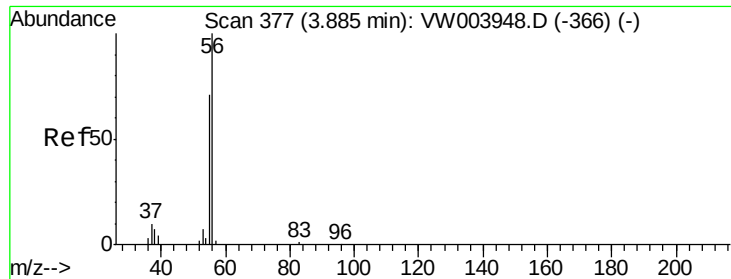


#12

1,1-Dichloroethene
 Concen: 50.33 ug/l
 RT: 4.03 min Scan# 401
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	96	Resp	118138
Ion Ratio	100	Lower	Upper
61	169.0	137.0	205.6
98	60.3	50.2	75.4





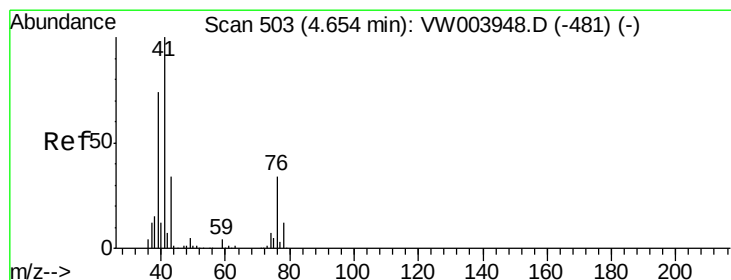
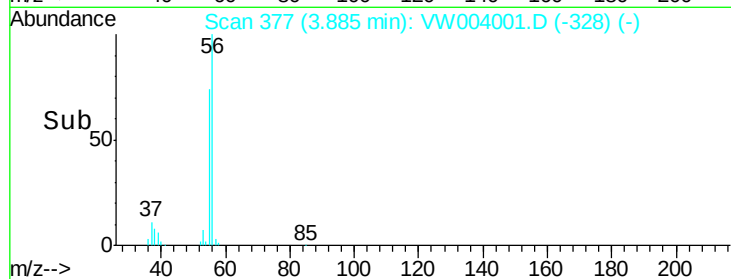
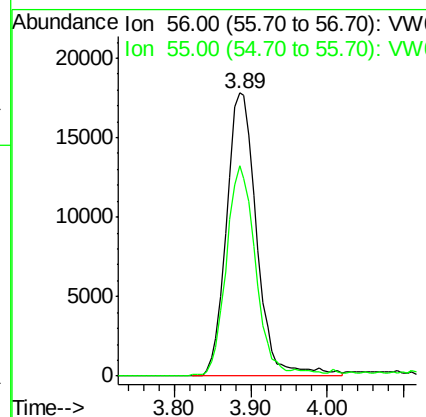
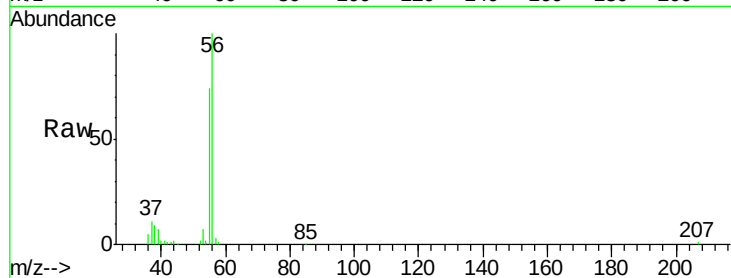
#13
 Acrolein
 Concen: 254.56 ug/l
 RT: 3.89 min Scan# 377
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	71.2	58.2	87.4

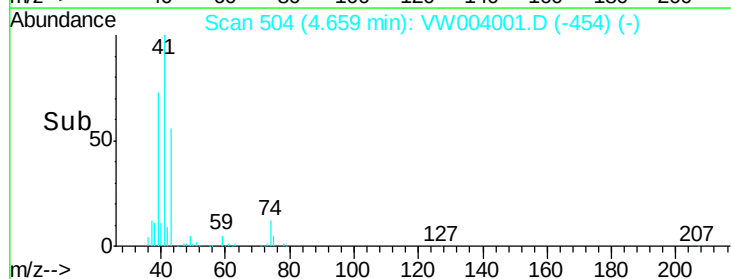
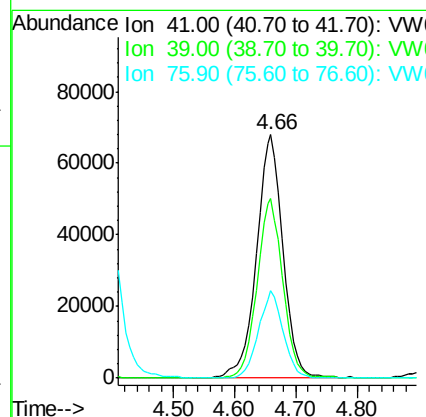
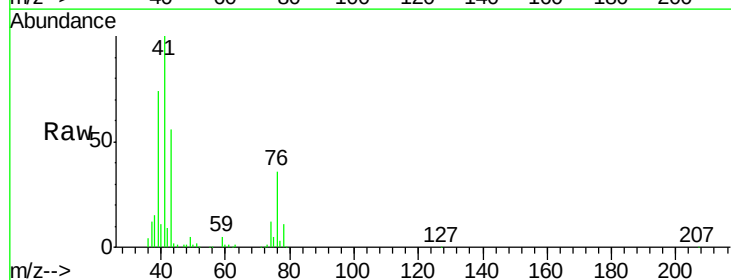
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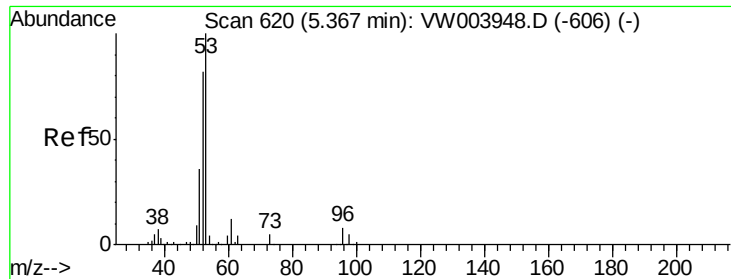
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#14
 Allyl chloride
 Concen: 53.22 ug/l
 RT: 4.66 min Scan# 504
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
41	100		
39	71.9	57.0	85.4
76	33.1	26.5	39.7





#15

Acrylonitrile

Concen: 272.69 ug/l

RT: 5.37 min Scan# 620

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

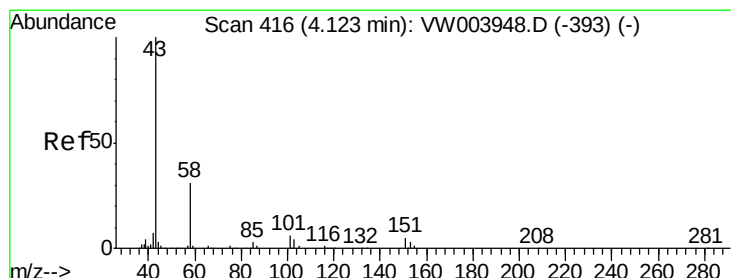
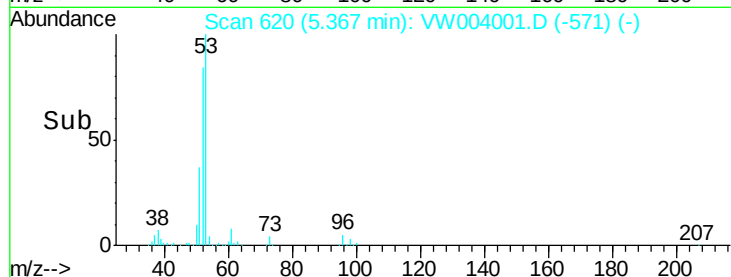
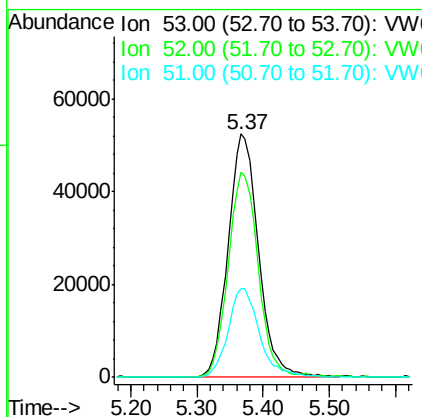
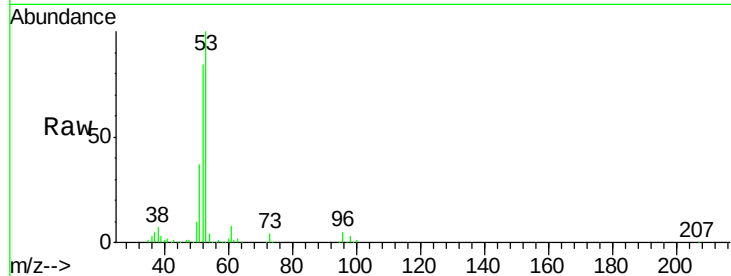
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	167200
Ion Ratio	Lower	Upper	
53	100		
52	83.5	66.1	99.1
51	37.8	29.8	44.6

Manual Integrations
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#16

Acetone

Concen: 213.69 ug/l

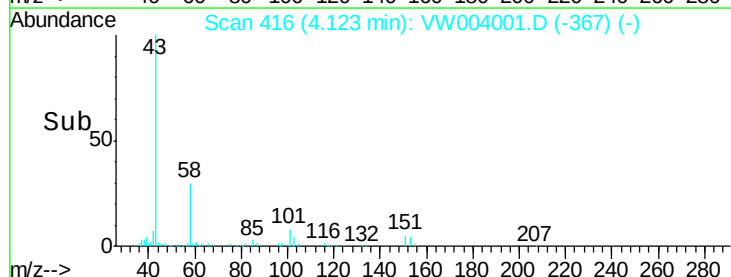
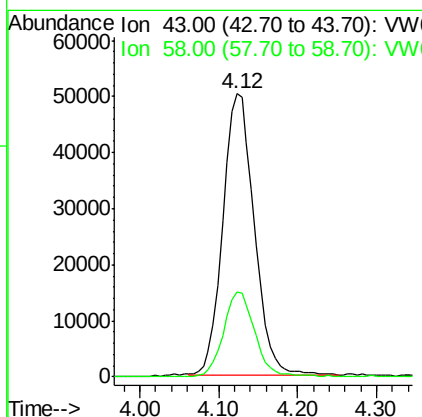
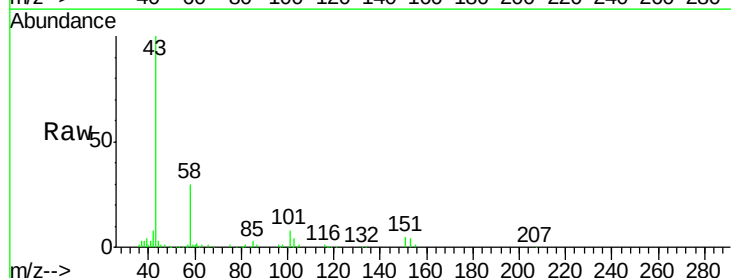
RT: 4.12 min Scan# 416

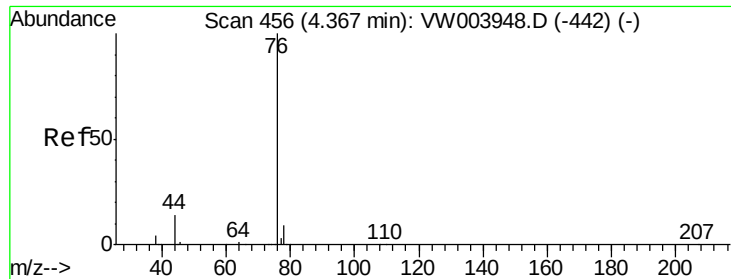
Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion:	43	Resp:	138626
Ion Ratio	Lower	Upper	
43	100		
58	30.0	24.5	36.7





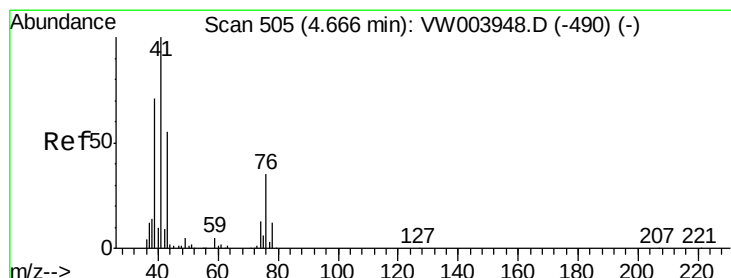
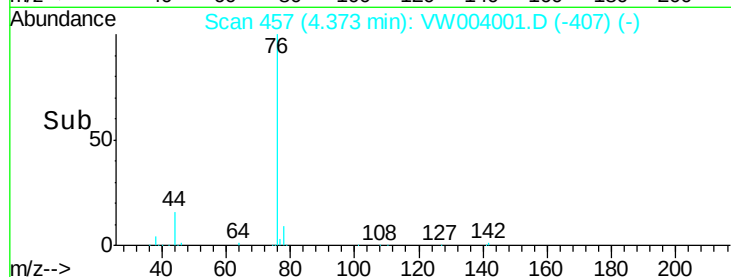
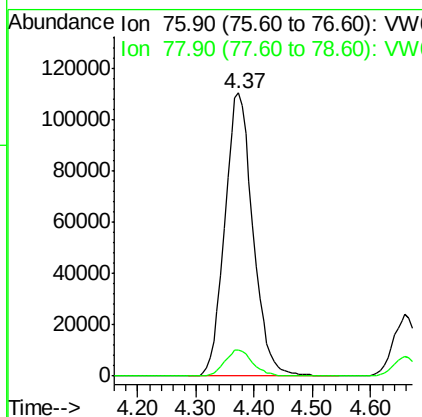
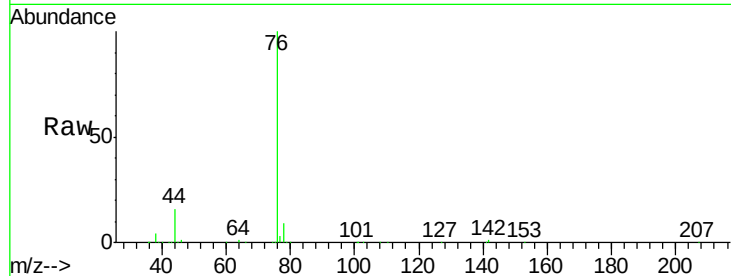
#17
Carbon Disulfide
Concen: 50.54 ug/l
RT: 4.37 min Scan# 457
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.1	10.7

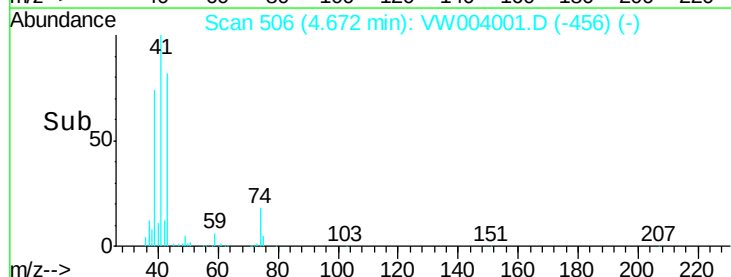
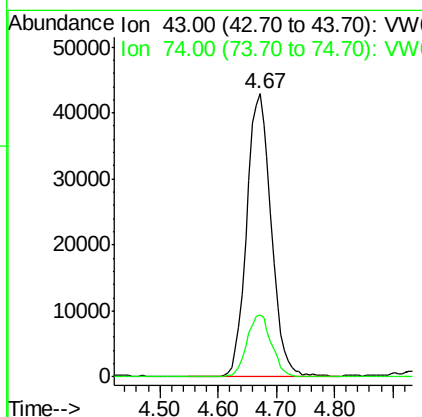
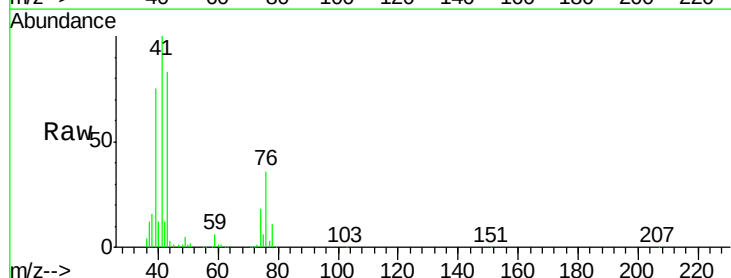
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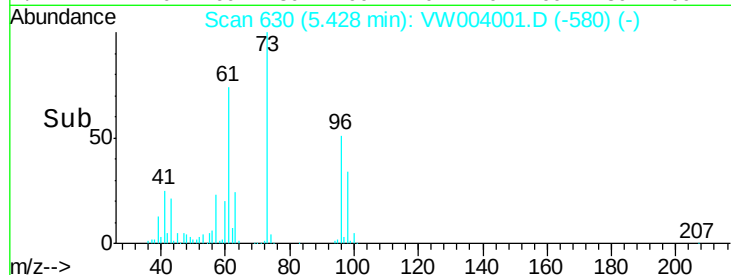
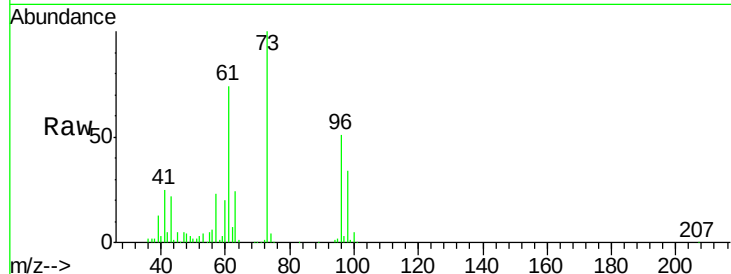
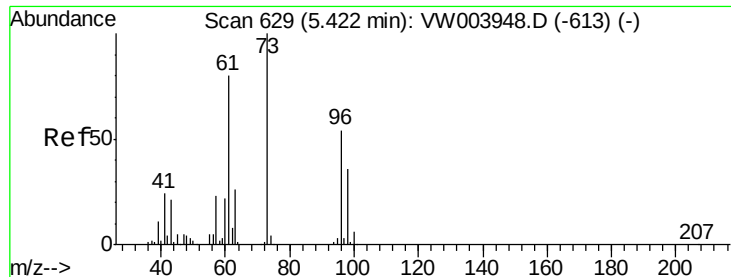
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#18
Methyl Acetate
Concen: 80.71 ug/l
RT: 4.67 min Scan# 506
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.7	26.5





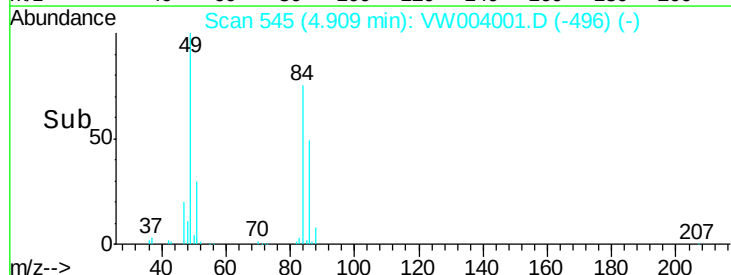
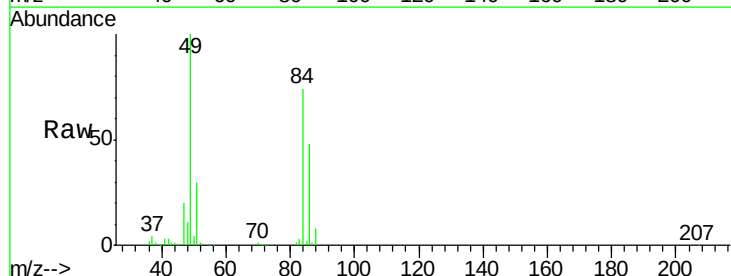
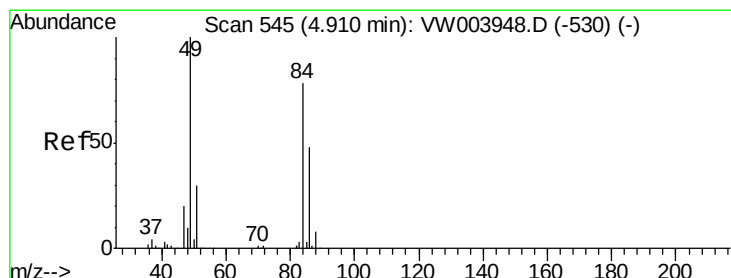
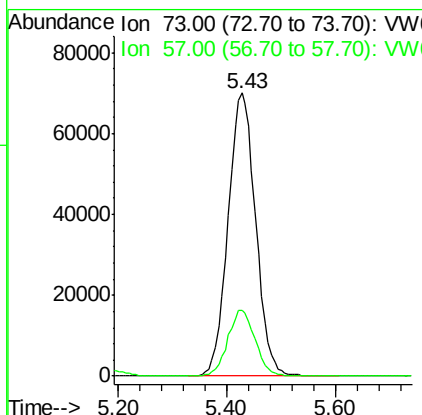
#19
Methyl tert-butyl Ether
Concen: 54.86 ug/l
RT: 5.43 min Scan# 630
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tot Ion: 73 Resp: 246796
Ion Ratio Lower Upper
73 100
57 23.2 18.2 27.4

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

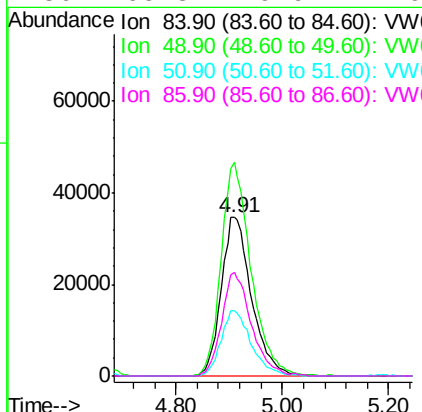
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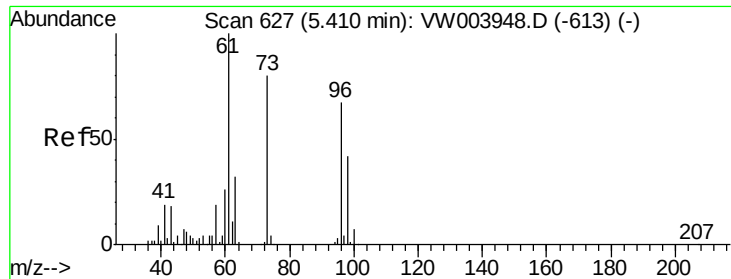
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#20
Methylene Chloride
Concen: 47.87 ug/l
RT: 4.91 min Scan# 545
Delta R.T. 0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 84 Resp: 138067
Ion Ratio Lower Upper
84 100
49 134.6 102.9 154.3
51 40.9 30.9 46.3
86 65.3 49.9 74.9





#21

trans-1,2-Dichloroethene

Concen: 52.55 ug/l

RT: 5.42 min Scan# 628

Delta R.T. 0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

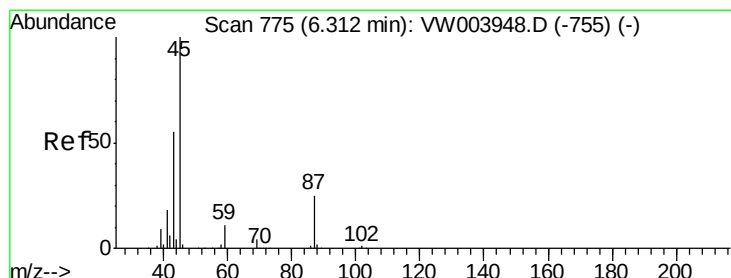
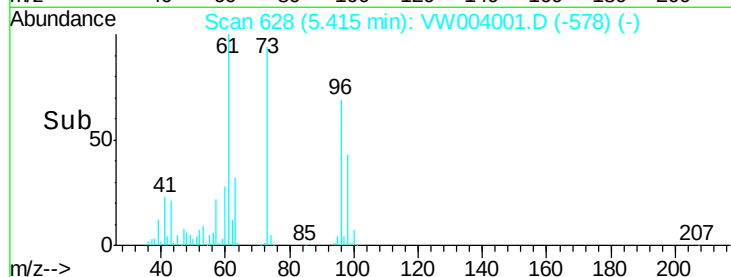
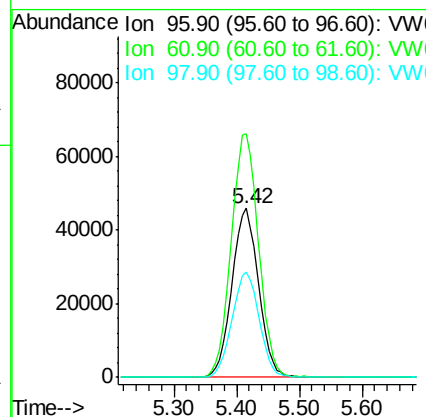
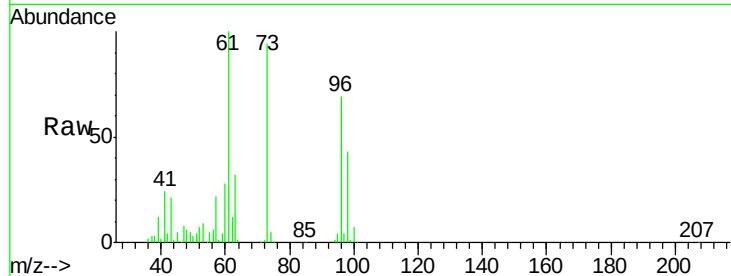
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	135193
Ion	Ratio	Lower	Upper
96	100		
61	144.0	119.0	178.4
98	62.6	49.9	74.9

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#22

Diisopropyl ether

Concen: 56.44 ug/l

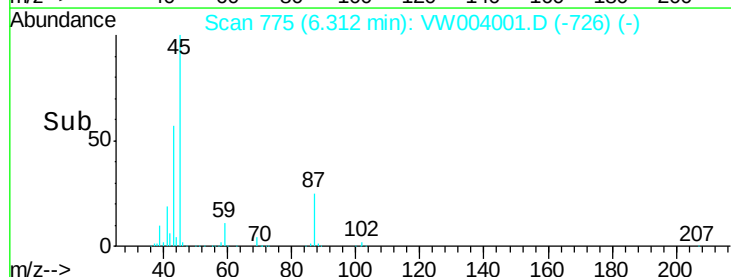
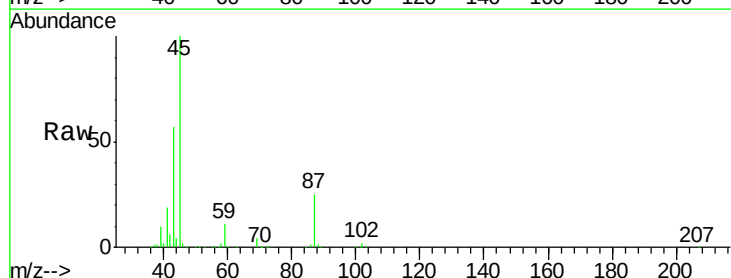
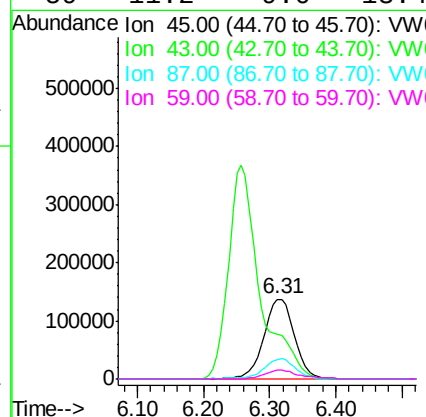
RT: 6.31 min Scan# 775

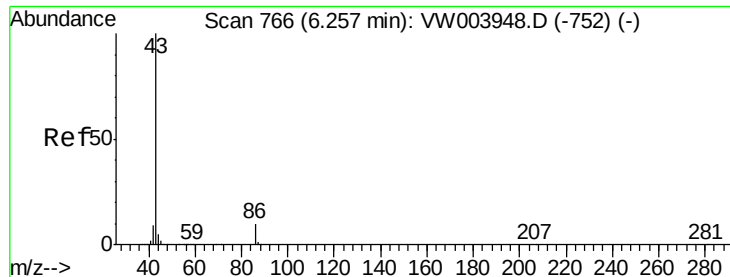
Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion:	45	Resp:	441921
Ion	Ratio	Lower	Upper
45	100		
43	56.9	44.3	66.5
87	24.7	20.2	30.4
59	11.2	9.0	13.4





#23

Vinyl Acetate

Concen: 244.58 ug/l

RT: 6.26 min Scan# 766

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1213393

Ion Ratio Lower Upper

43 100

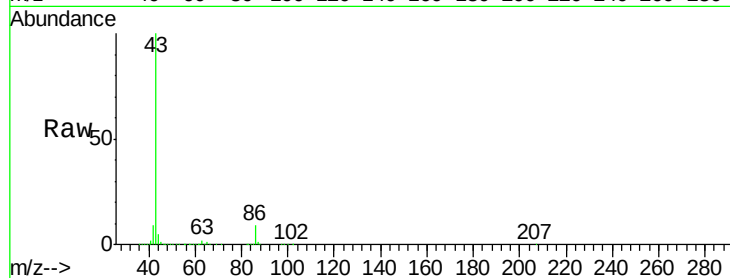
86 9.3 7.6 11.4

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

400000

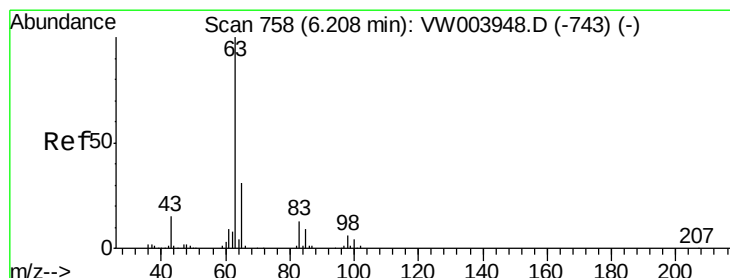
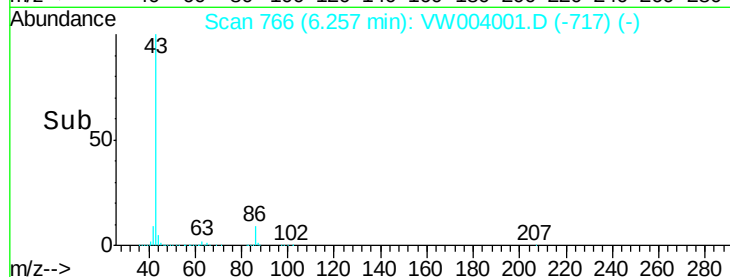
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.68 ug/l

RT: 6.21 min Scan# 759

Delta R.T. 0.01 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

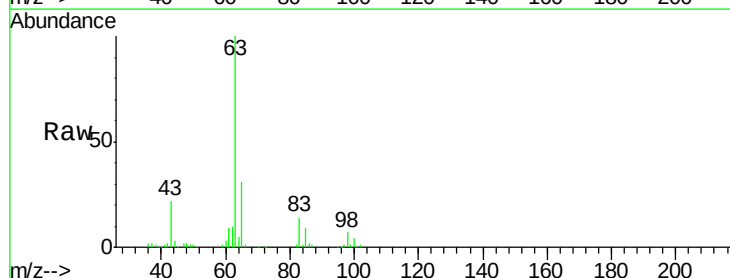
Tgt Ion: 63 Resp: 256437

Ion Ratio Lower Upper

63 100

98 6.7 3.1 9.4

100 4.0 2.1 6.5



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.21

100000

80000

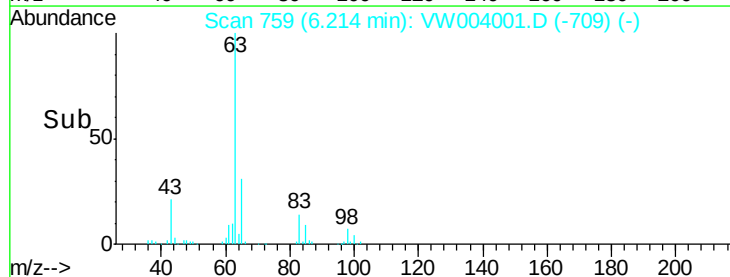
60000

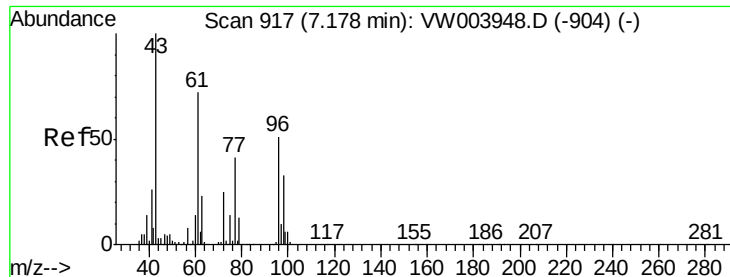
40000

20000

0

Time-->





#25

2-Butanone

Concen: 260.21 ug/l

RT: 7.18 min Scan# 917

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleID :

VSTDCCC050

Tot Ion: 43 Resp: 227162

Ion Ratio Lower Upper

43 100

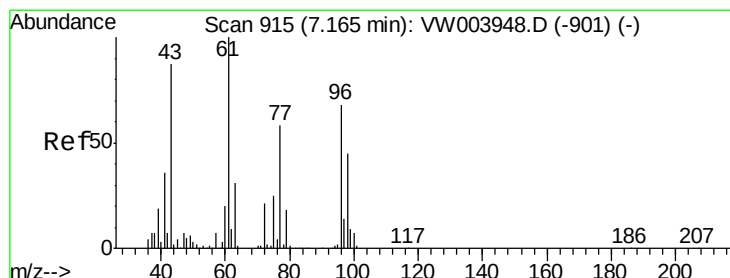
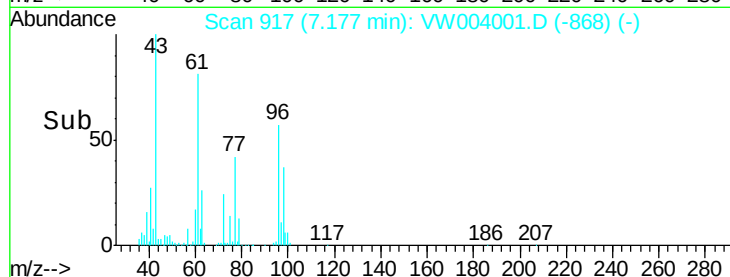
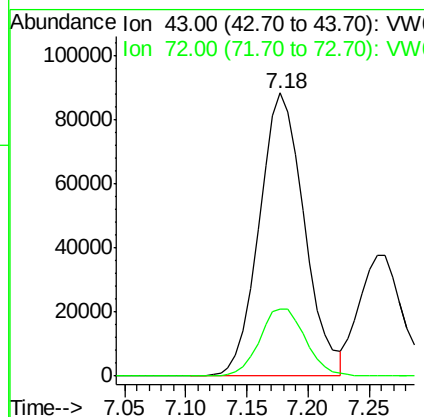
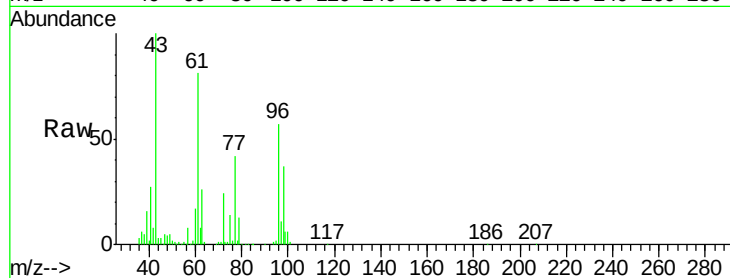
72 23.6 19.8 29.6

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#26

2,2-Dichloropropane

Concen: 45.44 ug/l

RT: 7.17 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW004001.D

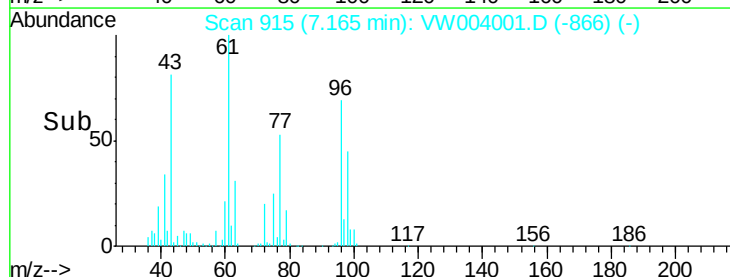
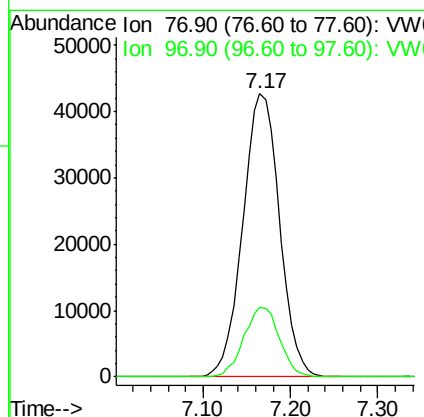
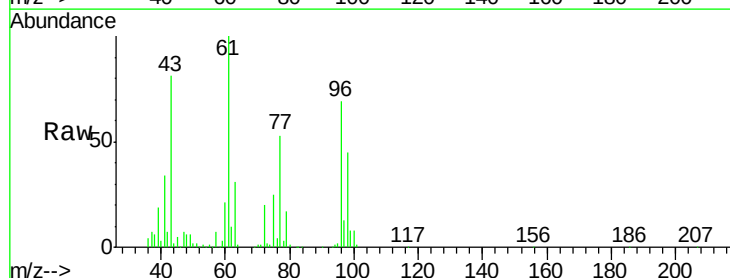
Acq: 17 Jul 2018 23:33

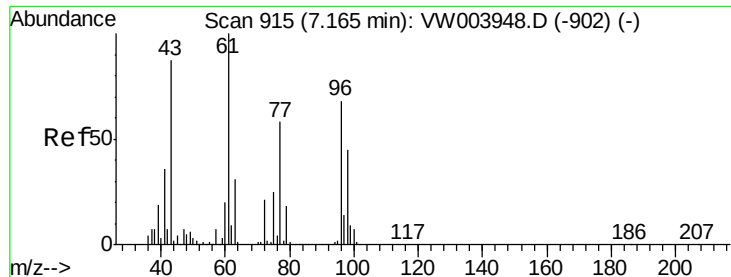
Tgt Ion: 77 Resp: 124624

Ion Ratio Lower Upper

77 100

97 24.1 11.8 35.3





#27

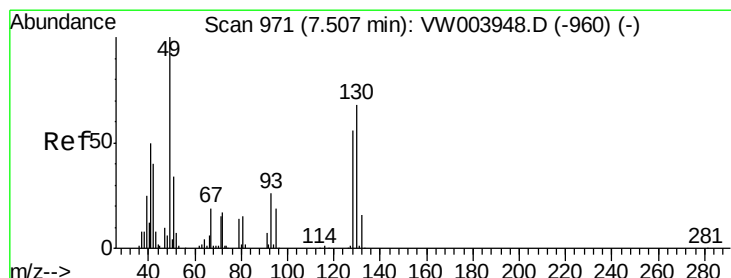
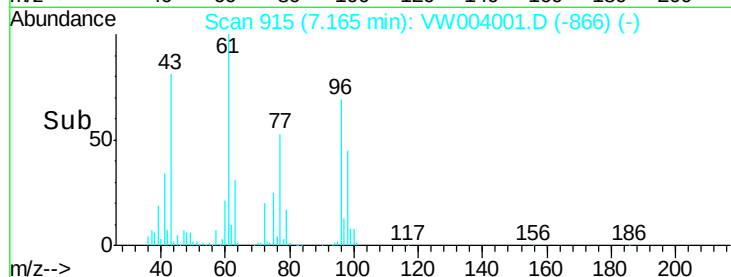
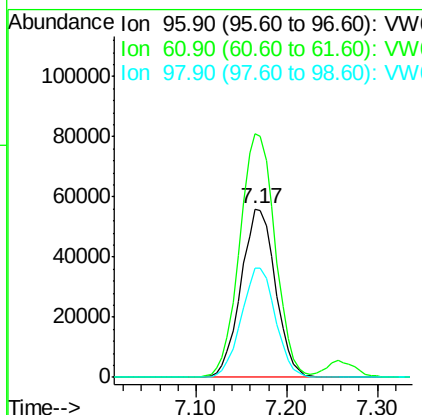
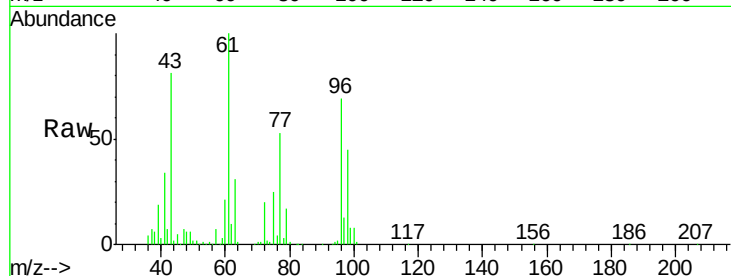
cis-1,2-Dichloroethene
 Concen: 53.08 ug/l
 RT: 7.17 min Scan# 915
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	148.1	0.0	298.6
98	64.2	0.0	130.4

Manual Integrations
 APPROVED

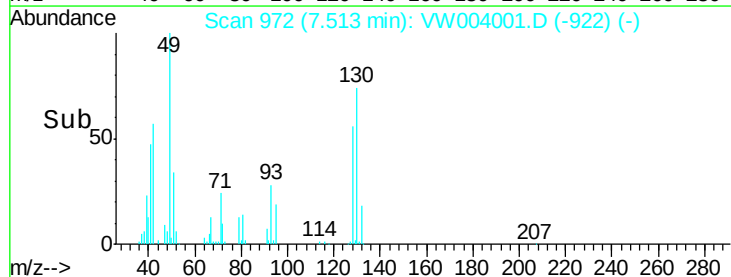
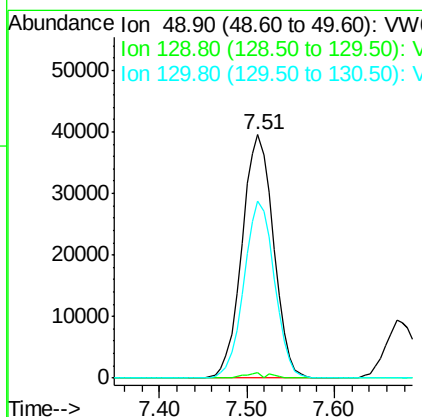
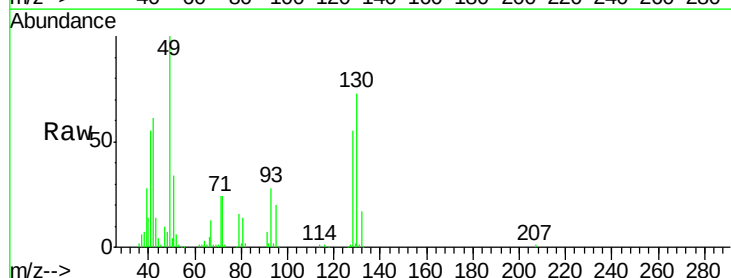
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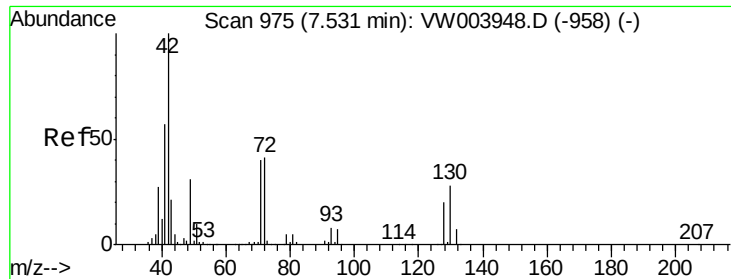


#28

Bromochloromethane
 Concen: 50.64 ug/l
 RT: 7.51 min Scan# 972
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	2.2
130	70.3	58.3	87.5





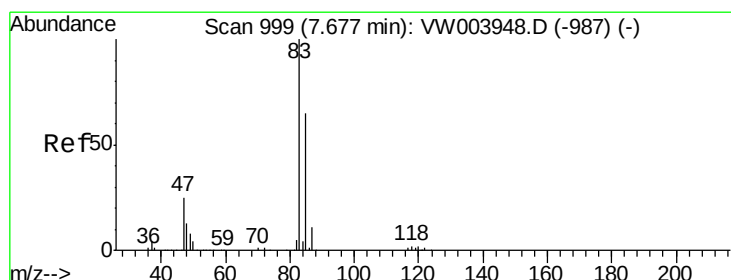
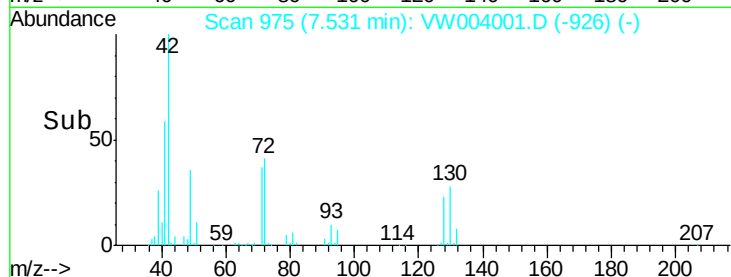
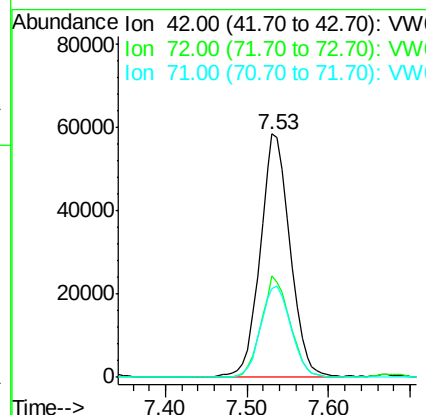
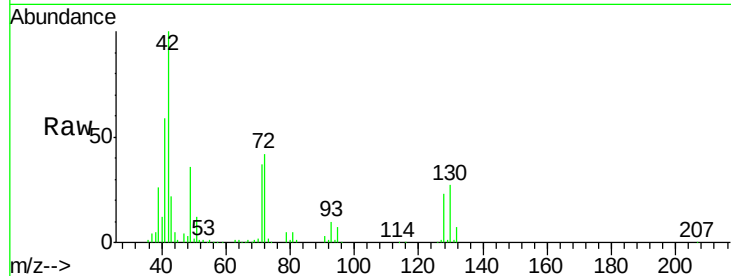
#29
Tetrahydrofuran
Concen: 273.65 ug/l
RT: 7.53 min Scan# 975
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:	42	Resp:	148806
Ion Ratio		Lower	Upper
42	100		
72	40.1	32.6	48.8
71	38.3	30.5	45.7

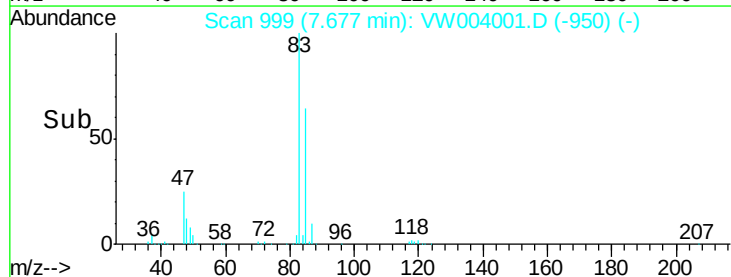
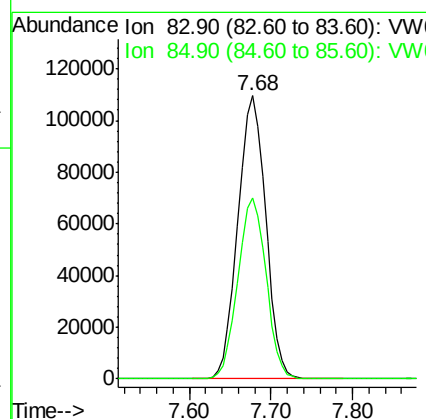
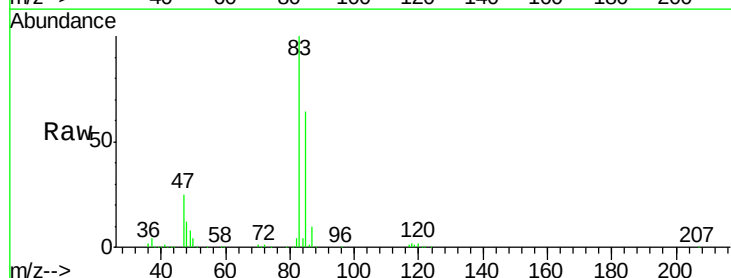
Manual Integrations
APPROVED

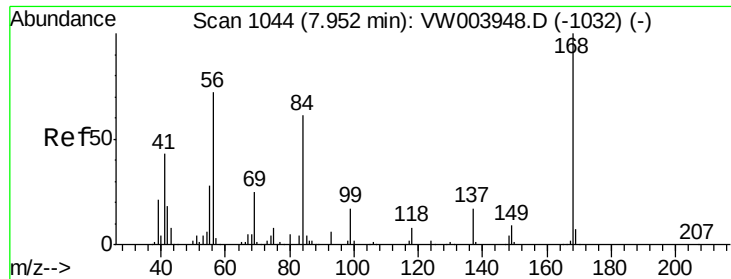
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#30
Chloroform
Concen: 54.56 ug/l
RT: 7.68 min Scan# 999
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion:	83	Resp:	259257
Ion Ratio		Lower	Upper
83	100		
85	64.1	52.2	78.4





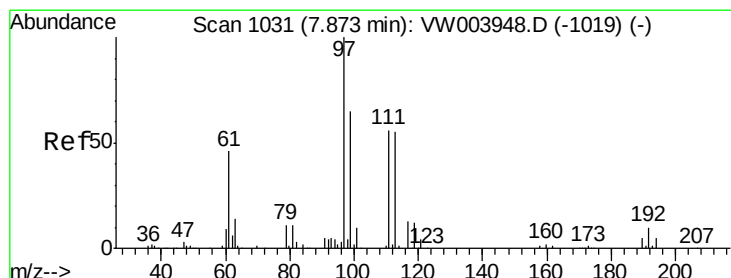
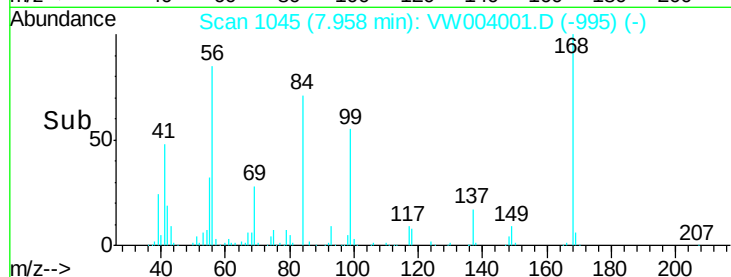
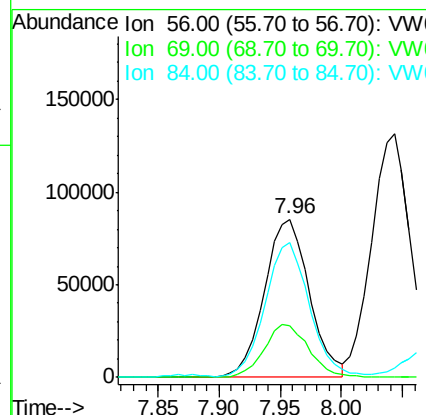
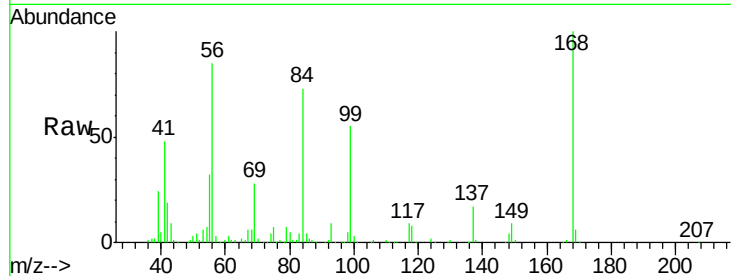
#31
Cyclohexane
Concen: 48.69 ug/l
RT: 7.96 min Scan# 1045
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.7	27.8	41.8
84	83.6	67.2	100.8

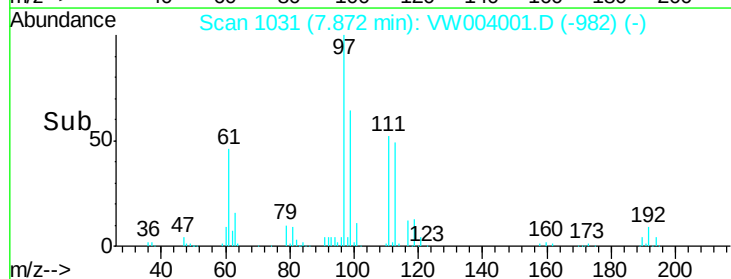
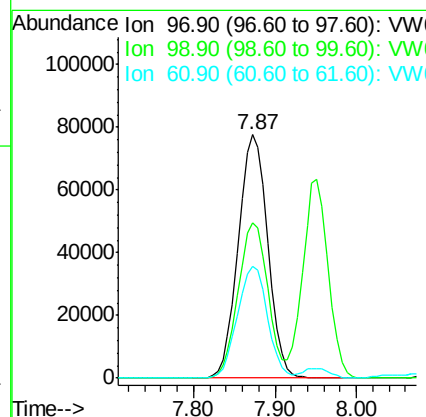
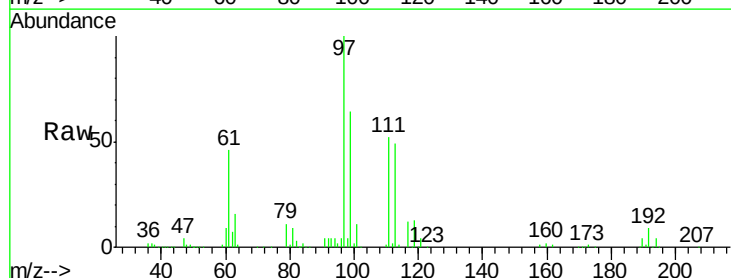
Manual Integrations
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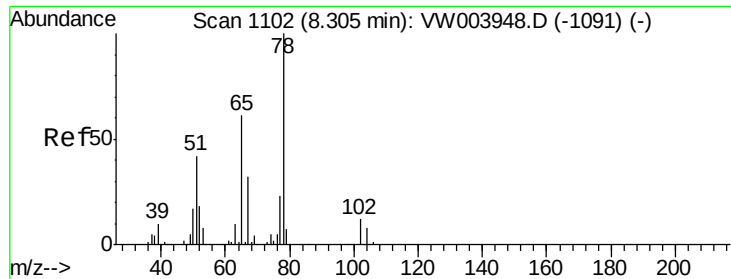
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#32
1,1,1-Trichloroethane
Concen: 52.27 ug/l
RT: 7.87 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.3	76.9
61	46.8	36.8	55.2





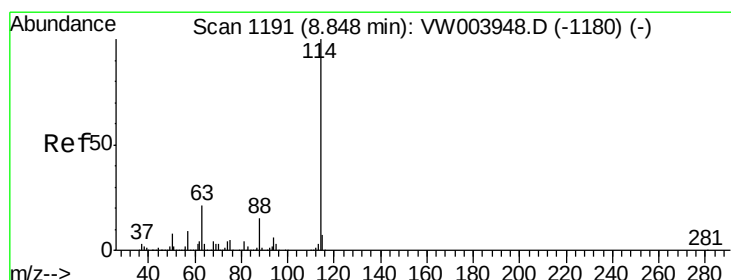
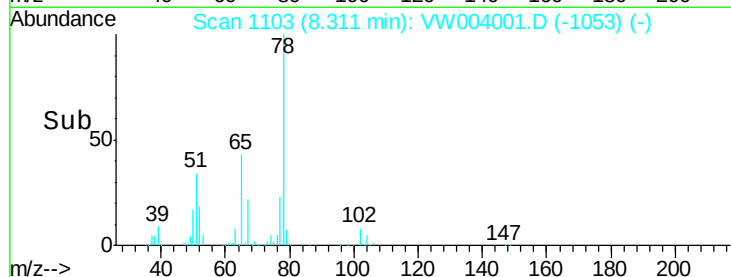
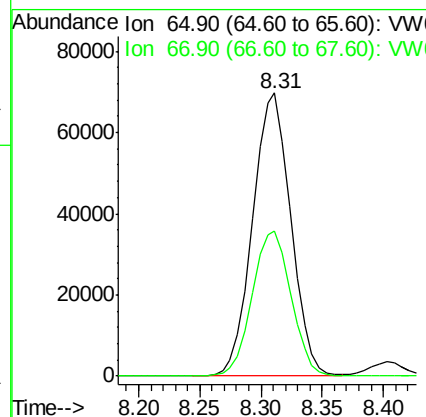
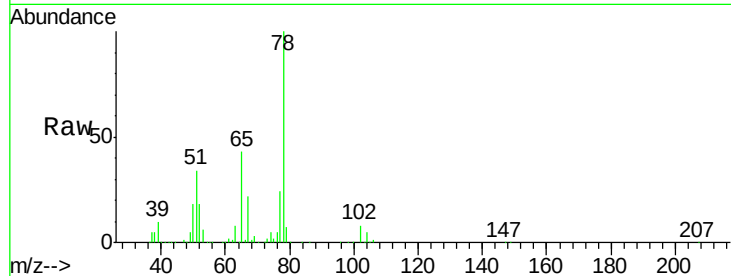
#33
 1,2-Dichloroethane-d4
 Concen: 56.15 ug/l
 RT: 8.31 min Scan# 1103
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	151579		
67	52.2	0.0	105.0	

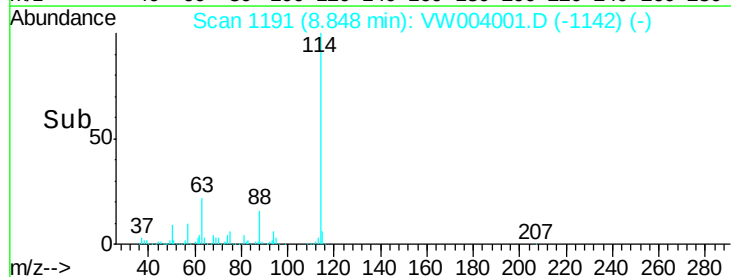
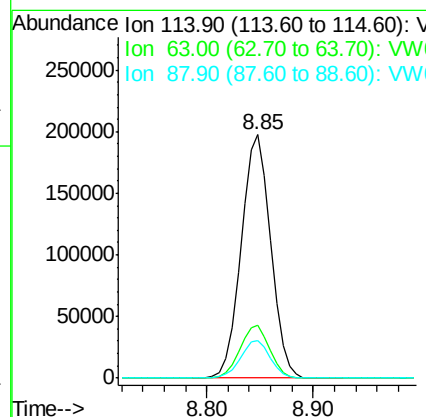
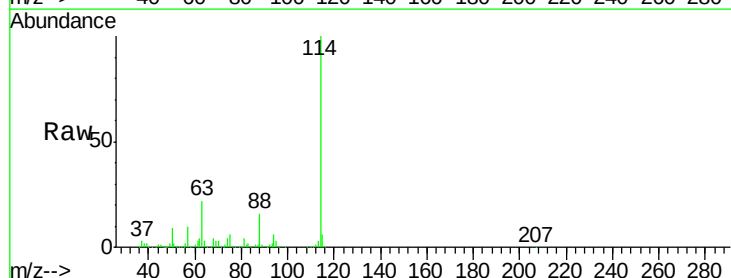
Manual Integrations
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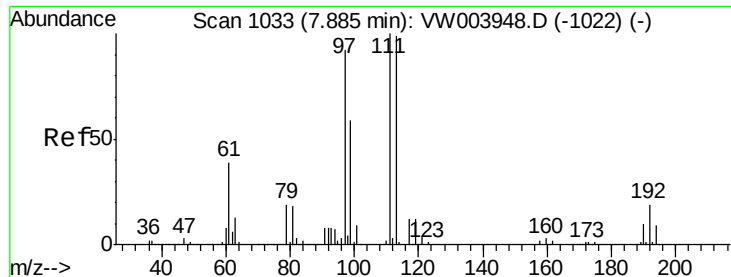
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.85 min Scan# 1191
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	383668		
63	21.7	0.0	42.8	
88	15.5	0.0	30.4	





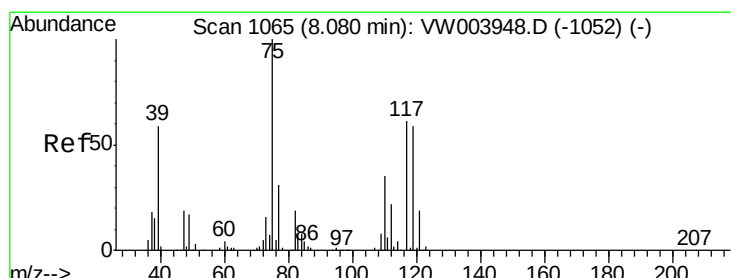
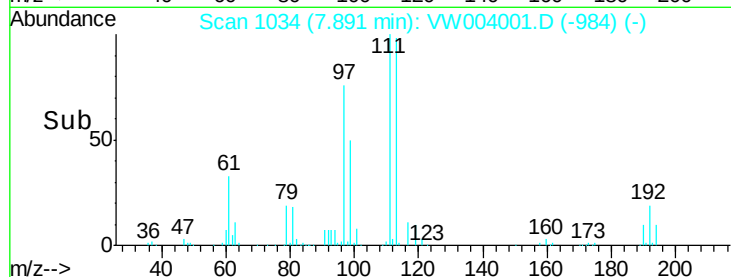
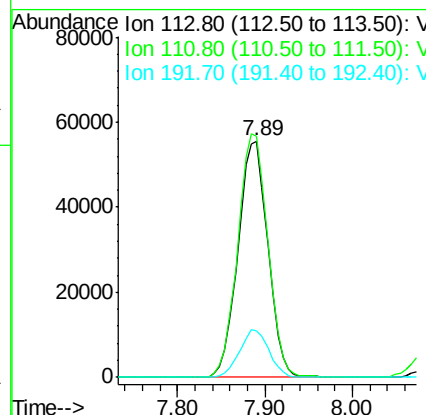
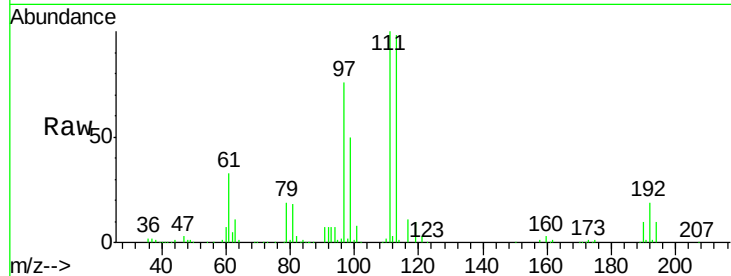
#35
Dibromofluoromethane
Concen: 53.67 ug/l
RT: 7.89 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132108		
111	103.8	81.3	121.9	
192	19.8	15.8	23.6	

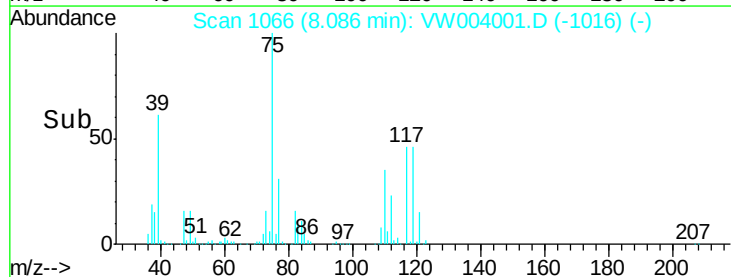
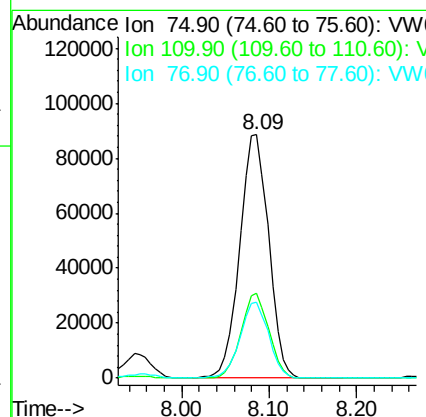
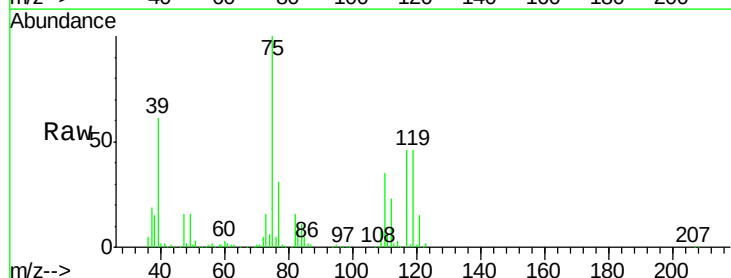
Manual Integrations
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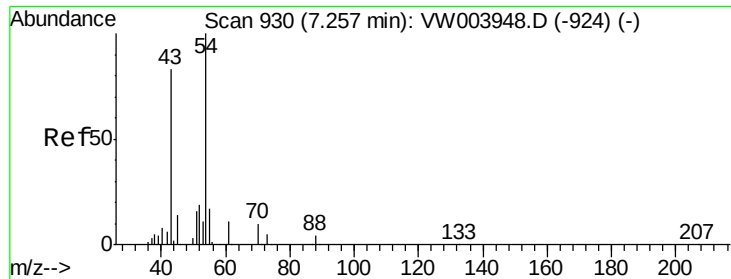
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#36
1,1-Dichloropropene
Concen: 51.79 ug/l
RT: 8.09 min Scan# 1066
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	204453		
110	33.5	17.0	51.0	
77	30.7	24.9	37.3	





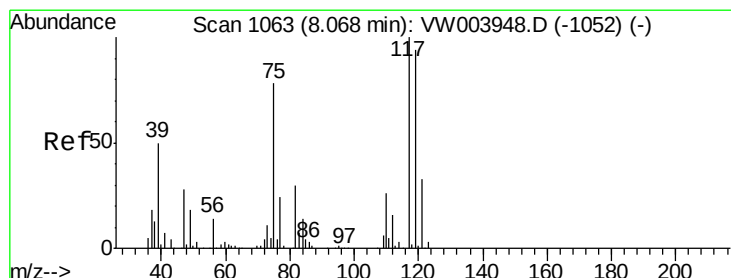
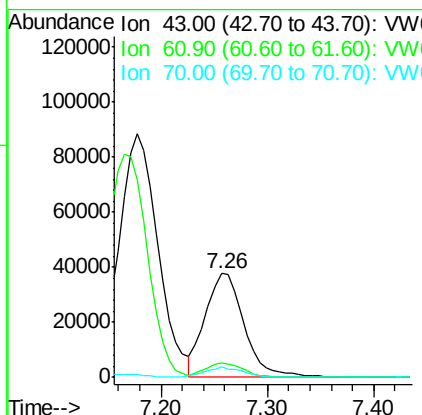
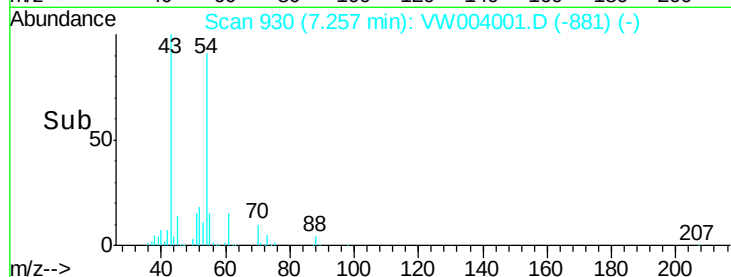
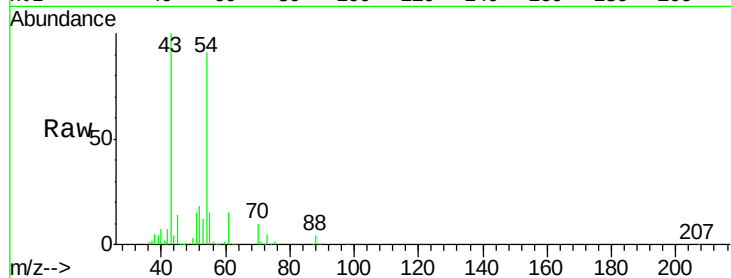
#37
Ethyl Acetate
Concen: 49.63 ug/l
RT: 7.26 min Scan# 930
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.7	16.1
70	9.8	7.7	11.5

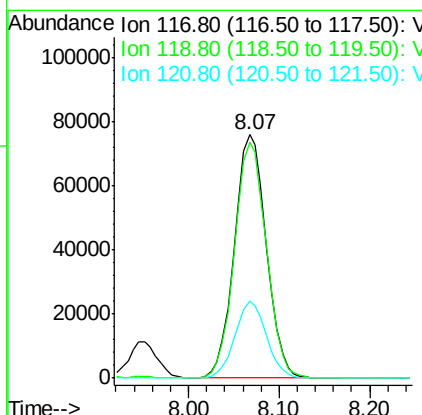
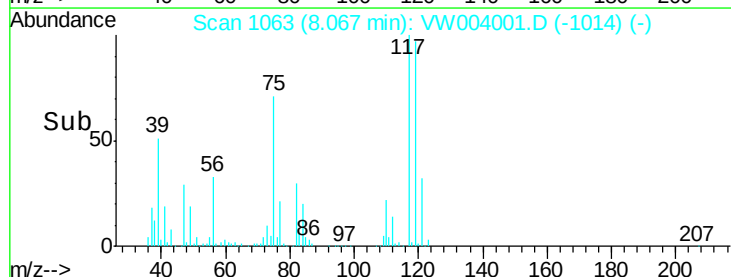
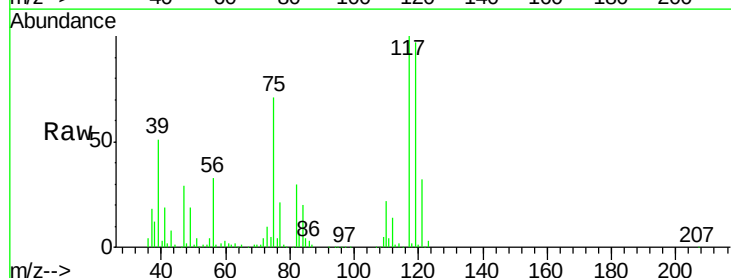
Manual Integrations
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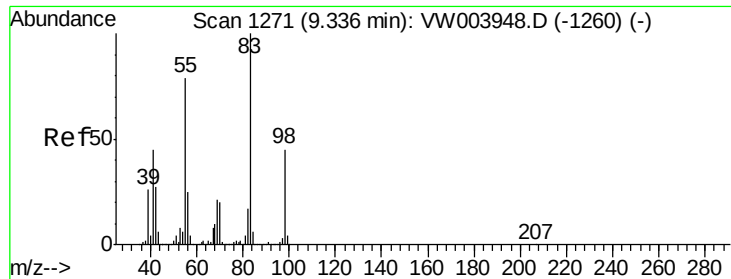
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#38
Carbon Tetrachloride
Concen: 50.52 ug/l
RT: 8.07 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.7	75.3	112.9
121	31.9	26.0	39.0





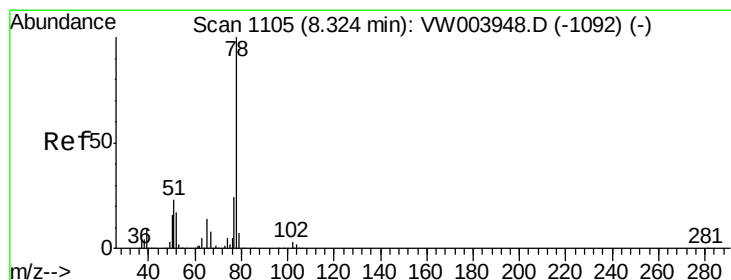
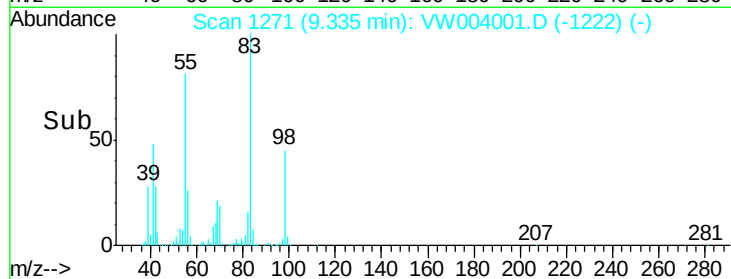
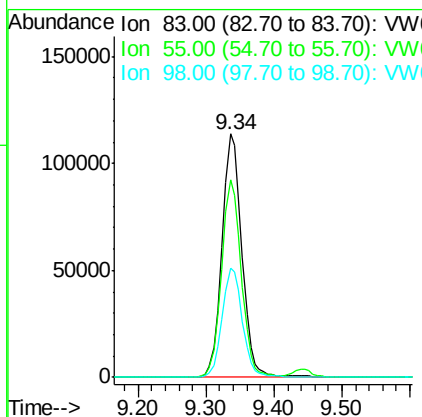
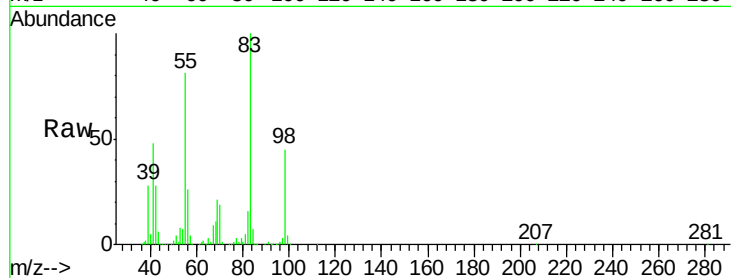
#39
Methylvlcyclohexane
Concen: 50.12 ug/l
RT: 9.34 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	62.8	94.2
98	45.0	36.2	54.4

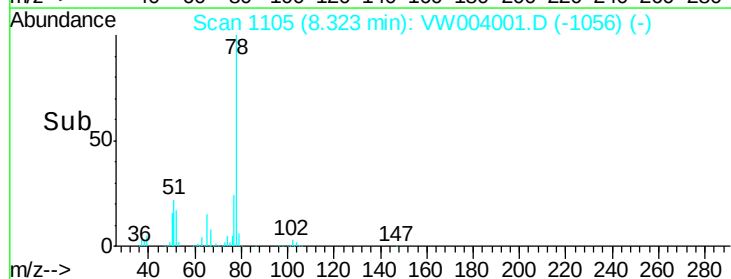
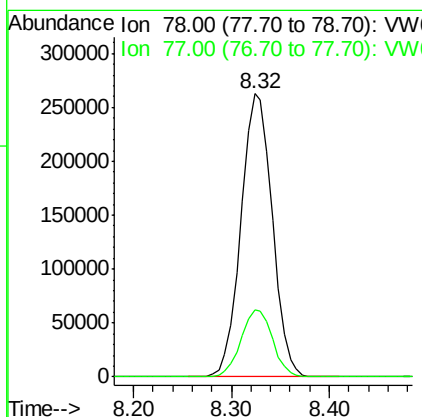
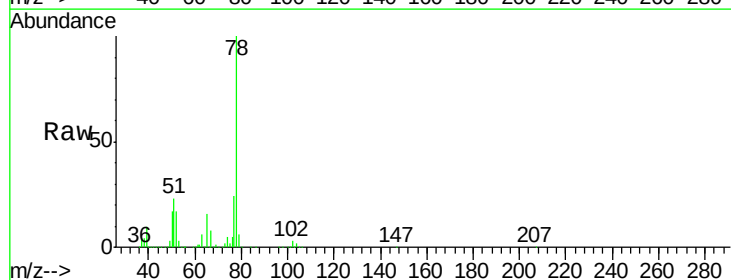
Manual Integrations
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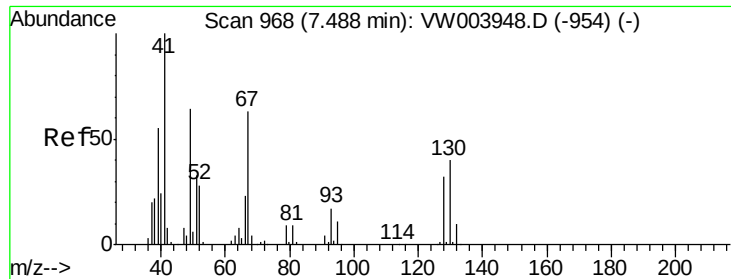
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#40
Benzene
Concen: 53.12 ug/l
RT: 8.32 min Scan# 1105
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.5	29.3





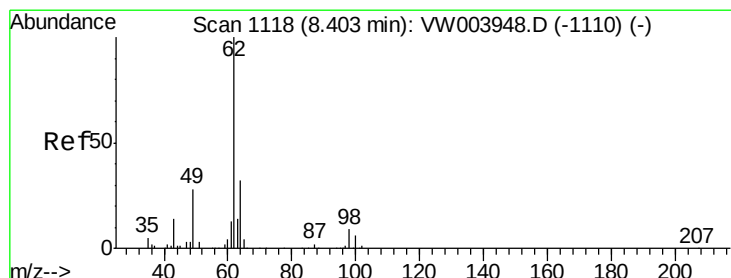
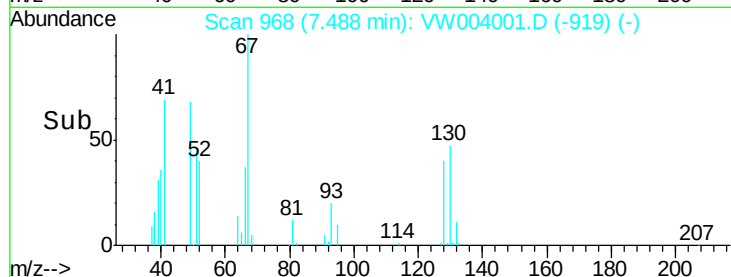
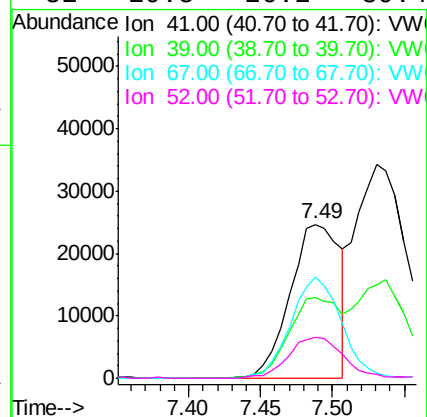
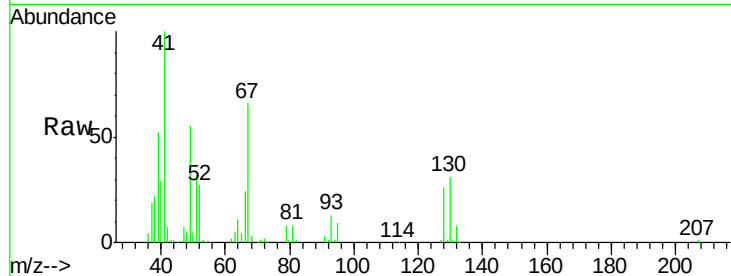
#41
Methacrylonitrile
Concen: 56.46 ug/l
RT: 7.49 min Scan# 968
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		59562		
39	53.8	50.0	75.0		
67	66.9	60.8	91.2		
52	29.5	26.2	39.4		

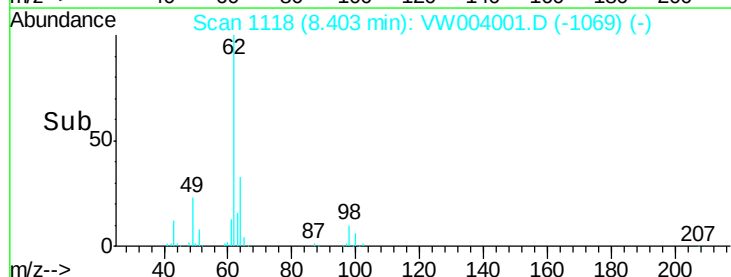
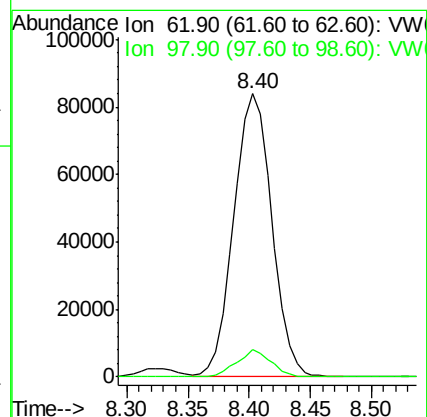
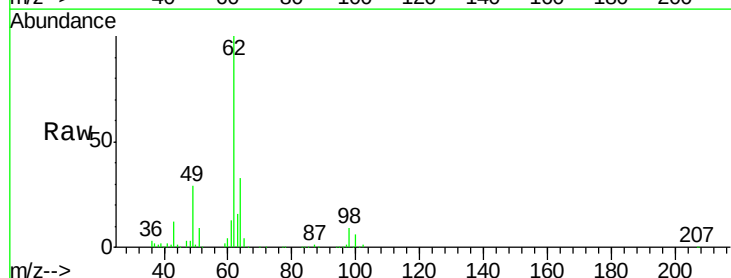
Manual Integrations
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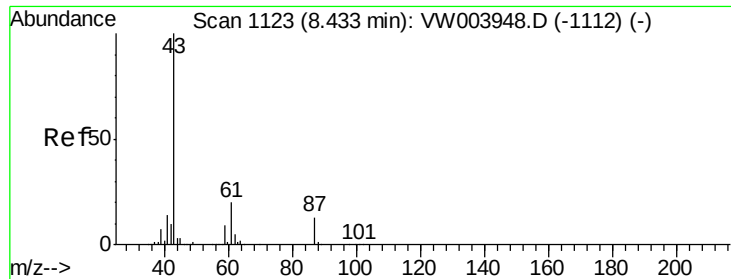
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#42
1,2-Dichloroethane
Concen: 54.20 ug/l
RT: 8.40 min Scan# 1118
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		181073		
98	8.6	0.0	17.4		





#43

Isopropyl Acetate

Concen: 53.26 ug/l

RT: 8.43 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

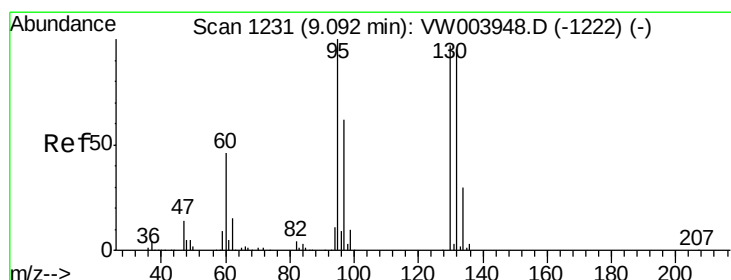
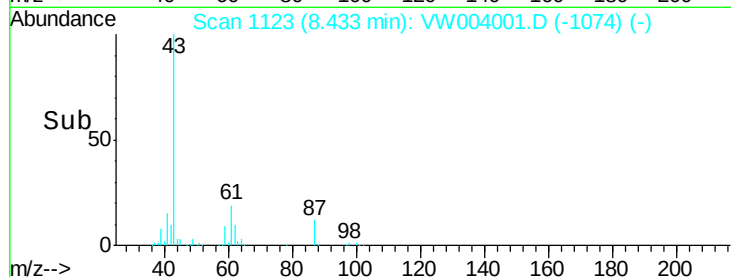
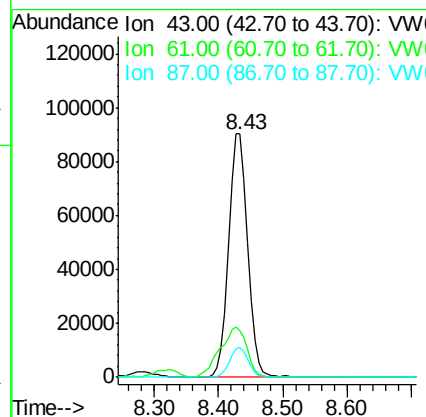
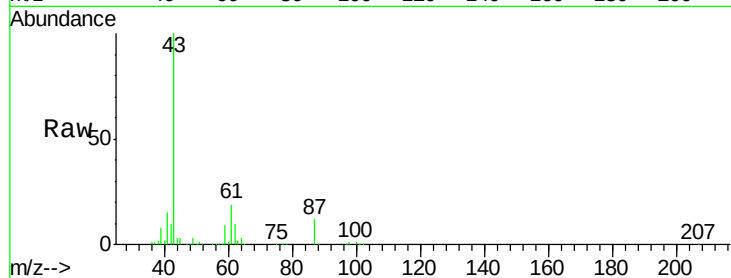
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	189669
Ion	Ratio	Lower	Upper
43	100		
61	28.8	23.0	34.6
87	12.0	9.9	14.9

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#44

Trichloroethene

Concen: 50.91 ug/l

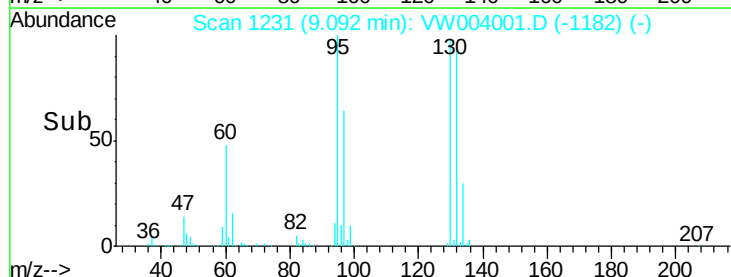
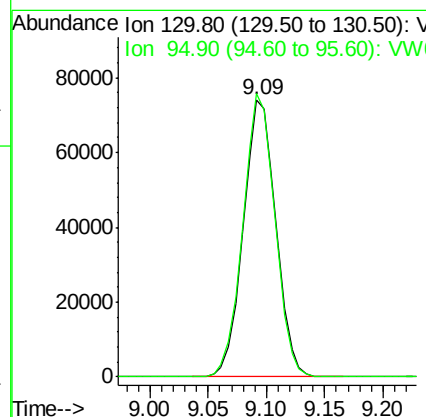
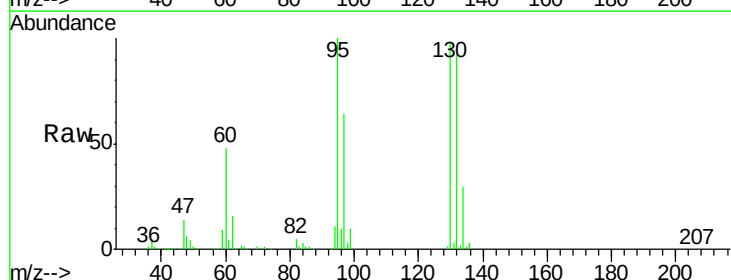
RT: 9.09 min Scan# 1231

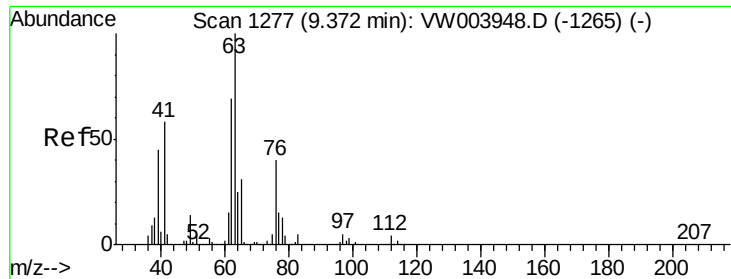
Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion:	130	Resp:	144536
Ion	Ratio	Lower	Upper
130	100		
95	102.0	0.0	206.8





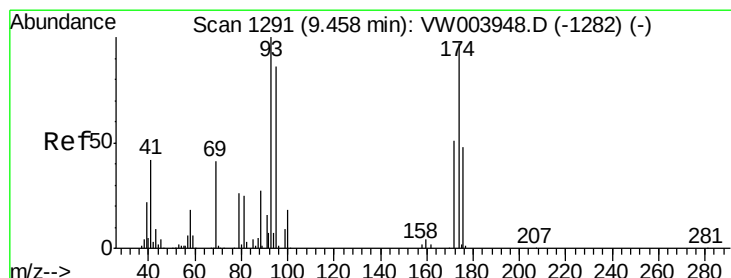
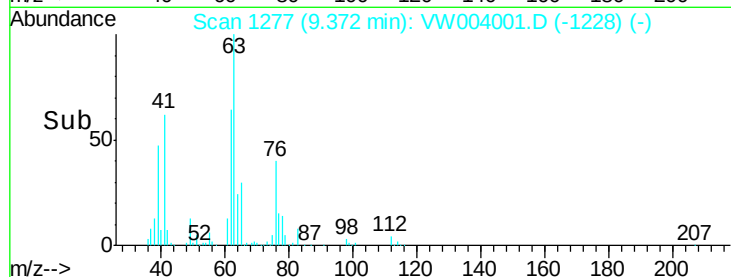
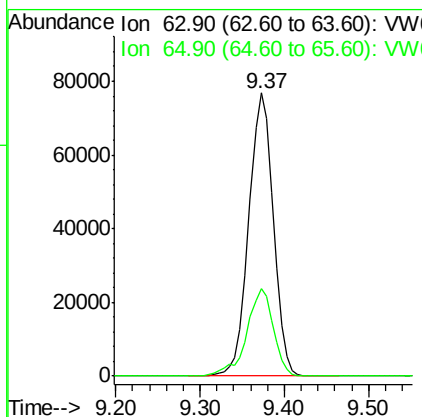
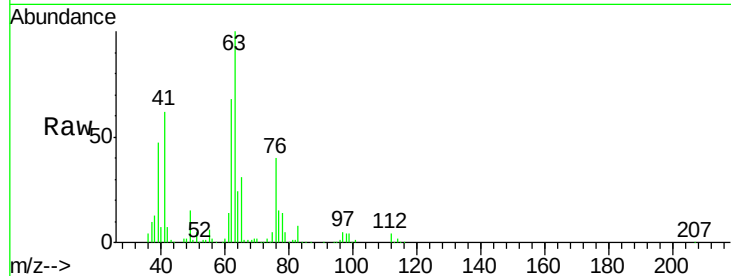
#45
 1,2-Dichloropropane
 Concen: 54.14 ug/l
 RT: 9.37 min Scan# 1277
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.8	24.8	37.2

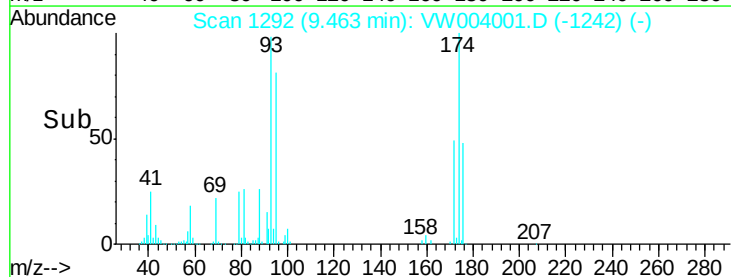
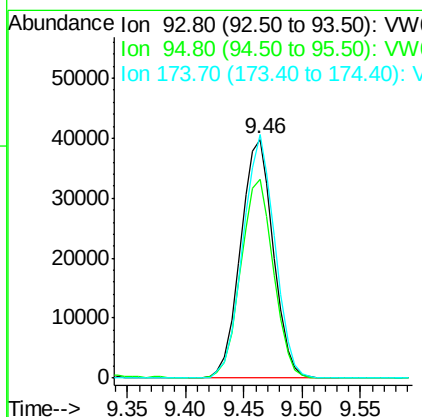
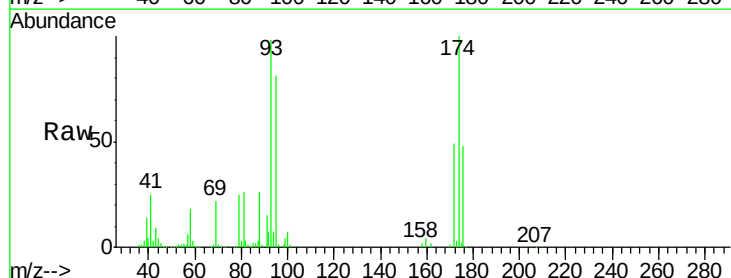
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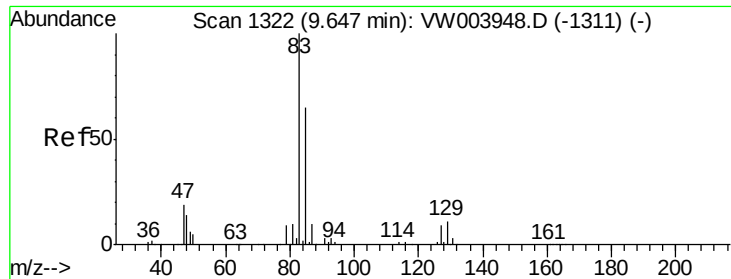
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#46
 Dibromomethane
 Concen: 53.65 ug/l
 RT: 9.46 min Scan# 1292
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.5	66.9	100.3
174	99.8	80.2	120.2





#47

Bromodichloromethane

Concen: 54.05 ug/l

RT: 9.65 min Scan# 1322

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

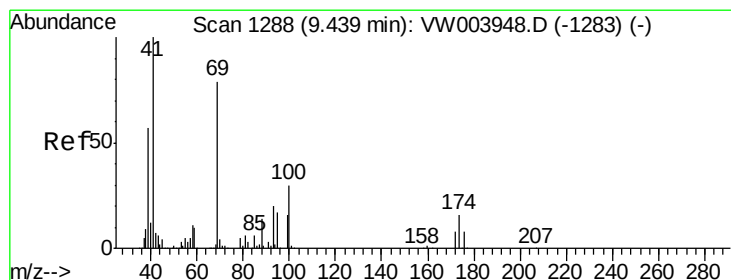
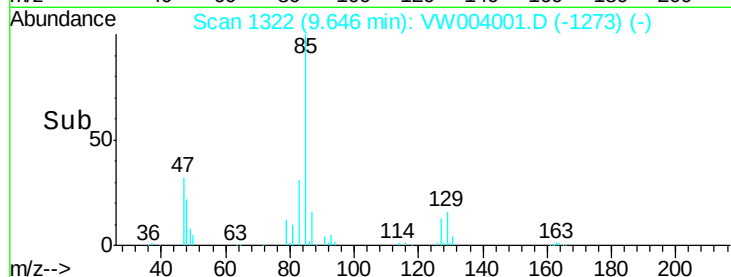
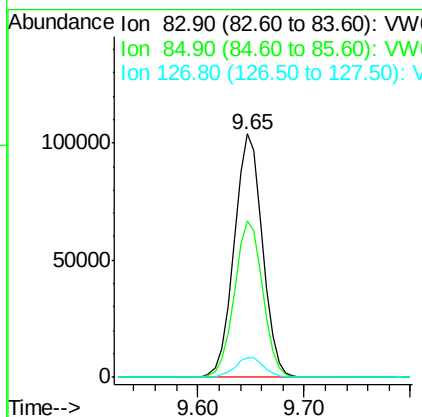
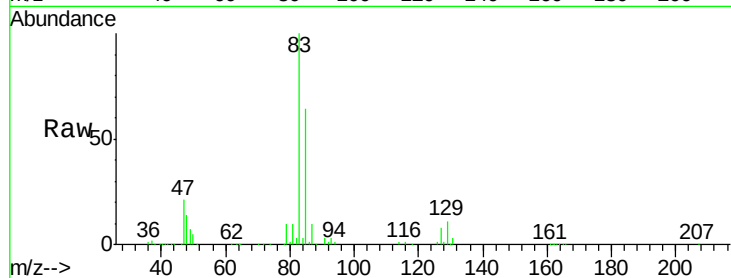
ClientSampled :

VSTDCCC050

Tot Ion:	83	Resp:	193247
Ion Ratio	Lower	Upper	
83	100		
85	64.1	52.2	78.2
127	8.1	7.0	10.4

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.33 ug/l

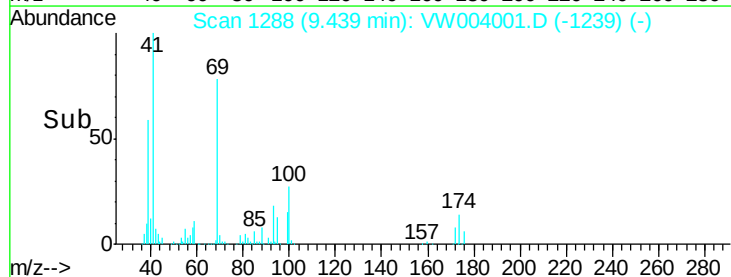
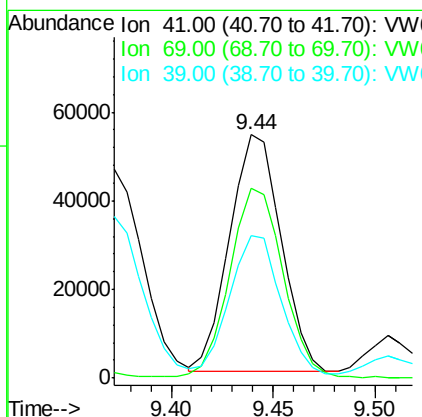
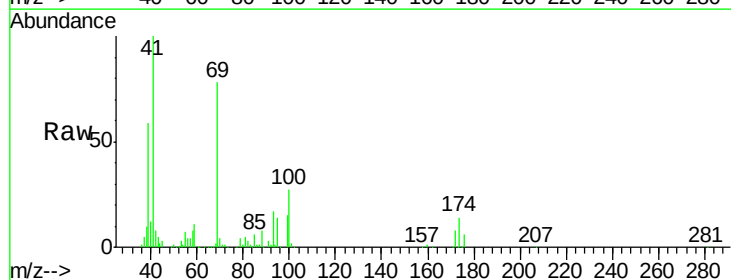
RT: 9.44 min Scan# 1288

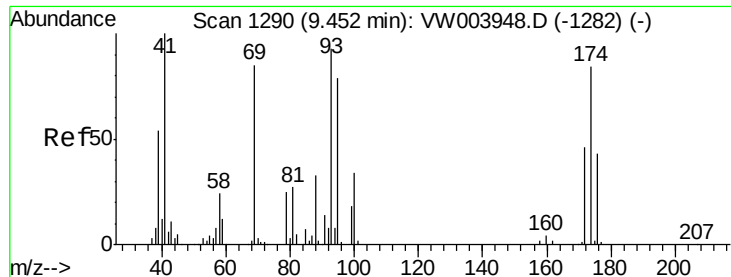
Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion:	41	Resp:	93570
Ion Ratio	Lower	Upper	
41	100		
69	84.0	67.0	100.6
39	61.8	48.8	73.2





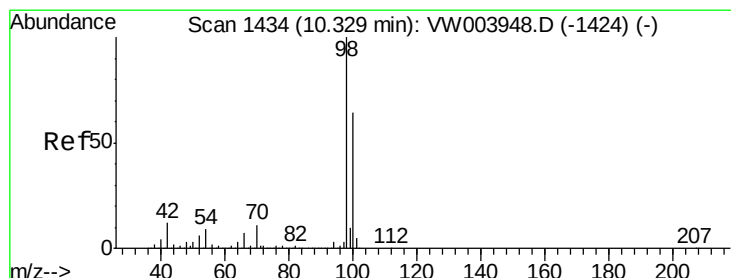
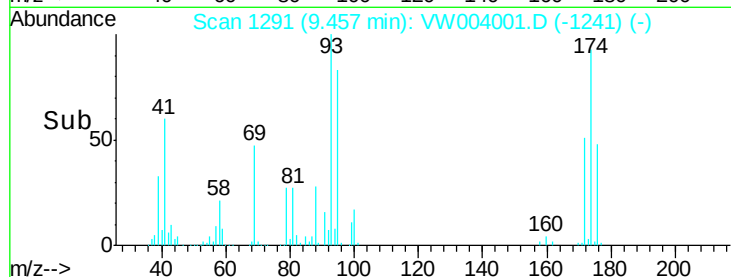
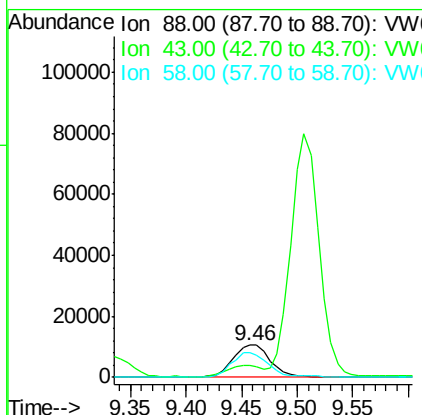
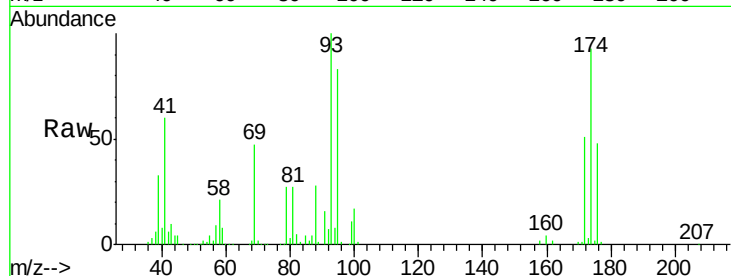
#49
1,4-Dioxane
Concen: 1104.68 ug/l
RT: 9.46 min Scan# 1291
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	24629
Ion	Ratio	Lower	Upper
88	100		
43	33.7	27.3	40.9
58	77.0	61.1	91.7

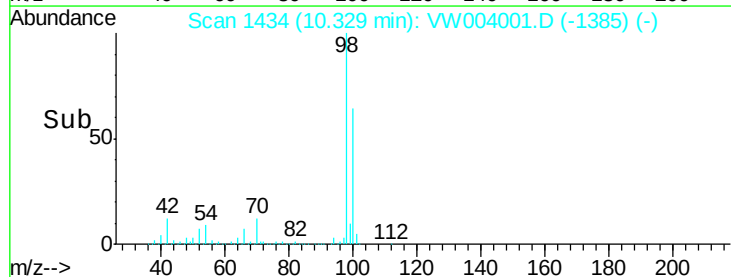
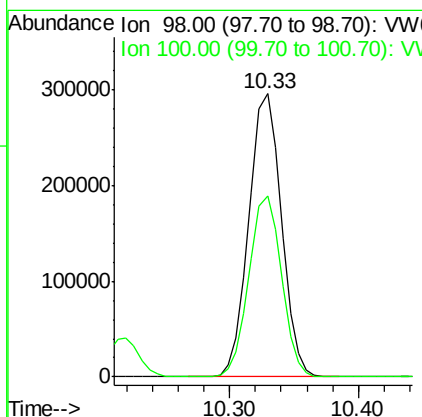
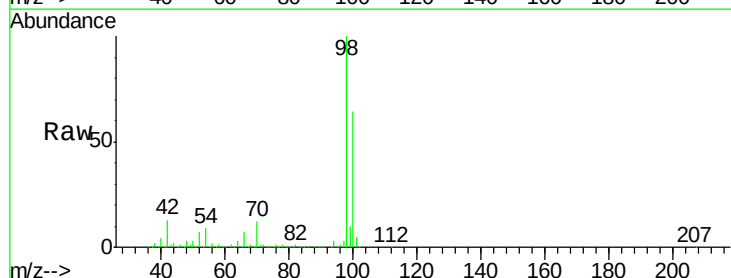
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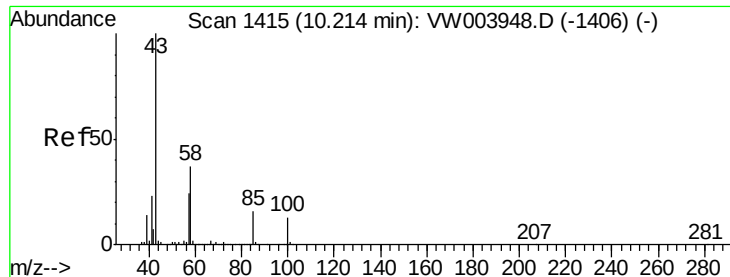
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#50
Toluene-d8
Concen: 54.13 ug/l
RT: 10.33 min Scan# 1434
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	98	Resp	517027
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.2	76.8





#51

4-Methyl-2-Pentanone

Concen: 271.14 ug/l

RT: 10.21 min Scan# 1415

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 514403

Ion Ratio Lower Upper

43 100

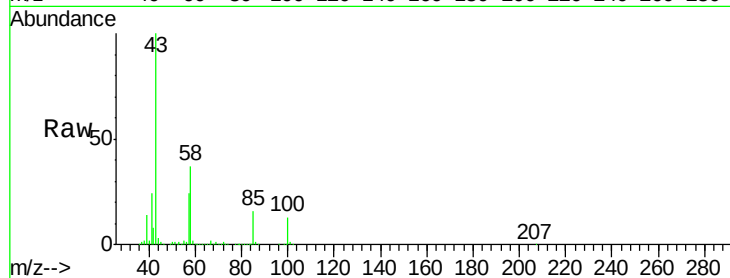
58 36.8 29.9 44.9

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

10.21

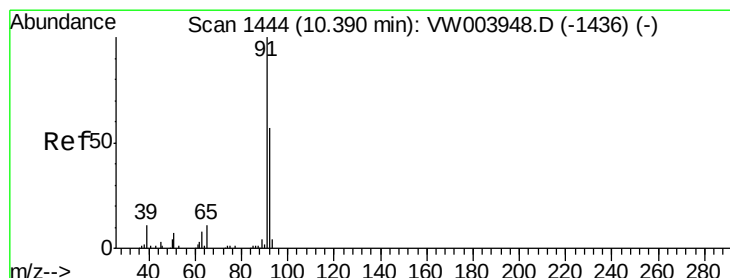
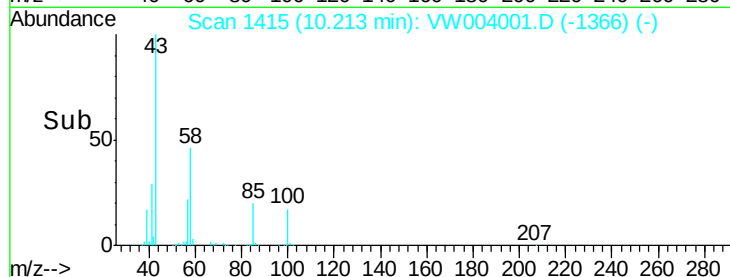
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 53.28 ug/l

RT: 10.39 min Scan# 1444

Delta R.T. -0.00 min

Lab File: VW004001.D

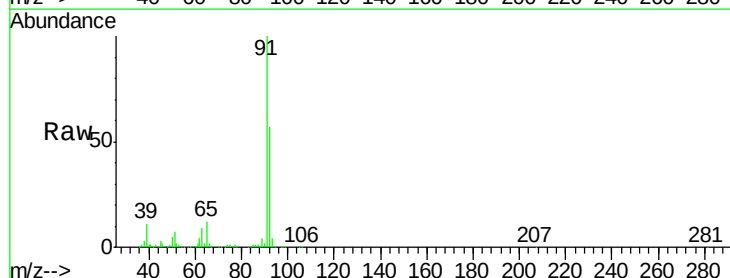
Acq: 17 Jul 2018 23:33

Tgt Ion: 92 Resp: 360793

Ion Ratio Lower Upper

92 100

91 174.2 139.6 209.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

10.39

400000

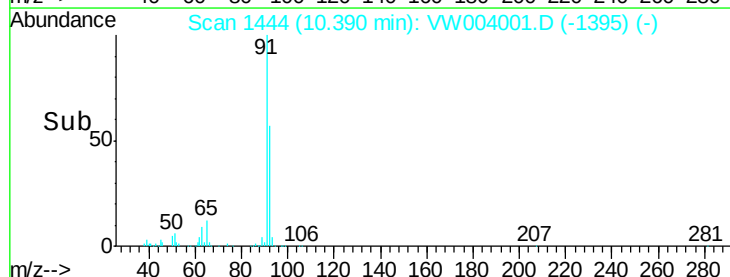
300000

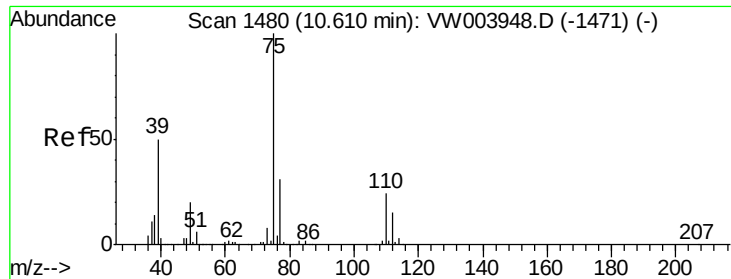
200000

100000

0

Time-->





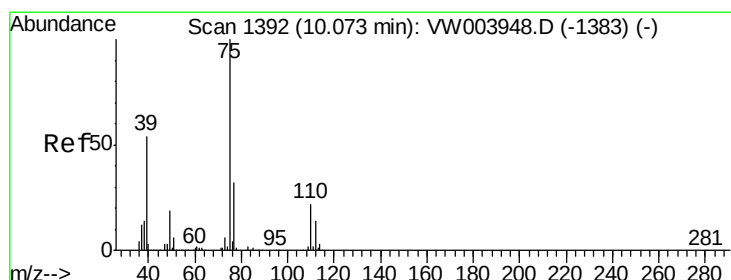
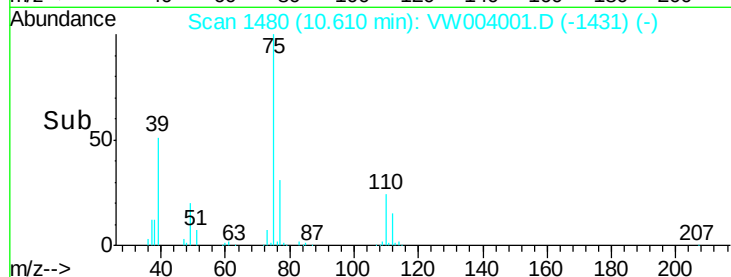
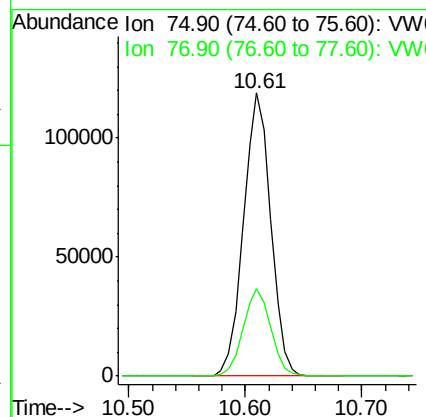
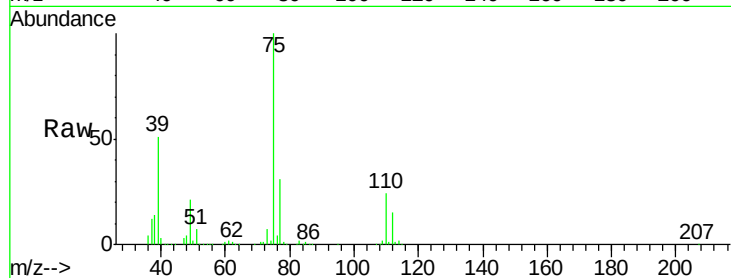
#53
t-1,3-Dichloropropene
Concen: 51.98 ug/l
RT: 10.61 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.2	37.8

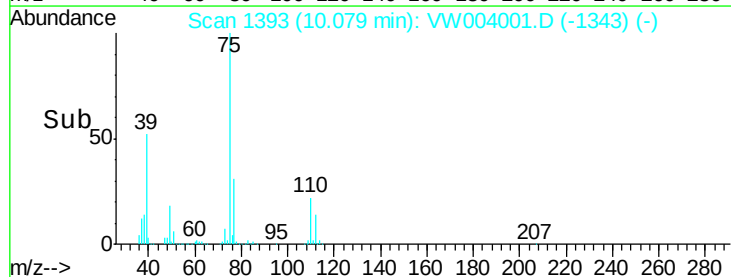
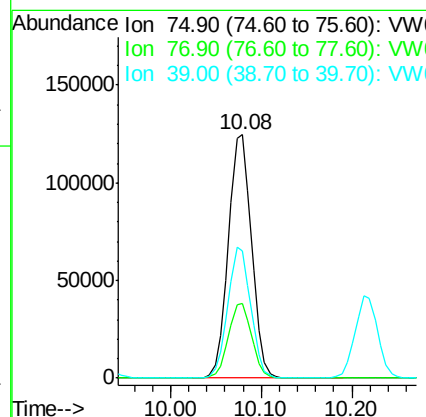
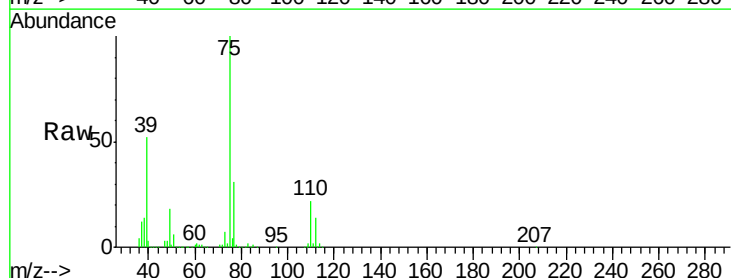
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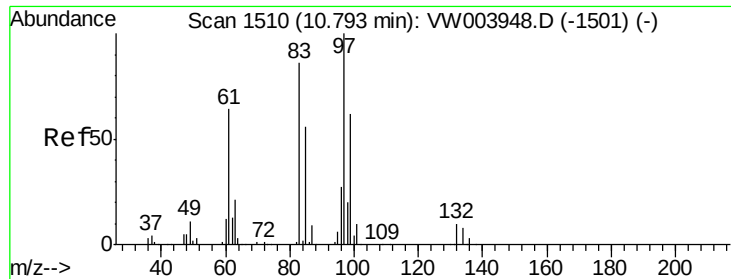
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#54
cis-1,3-Dichloropropene
Concen: 51.84 ug/l
RT: 10.08 min Scan# 1393
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.2
39	52.0	43.0	64.6





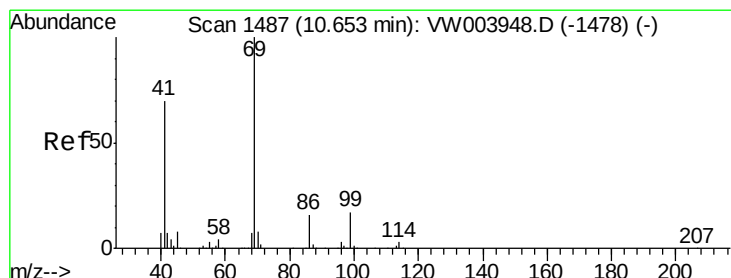
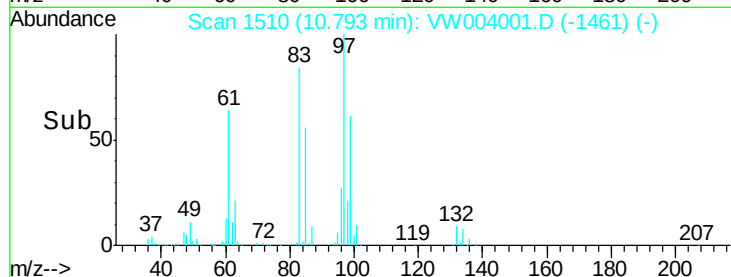
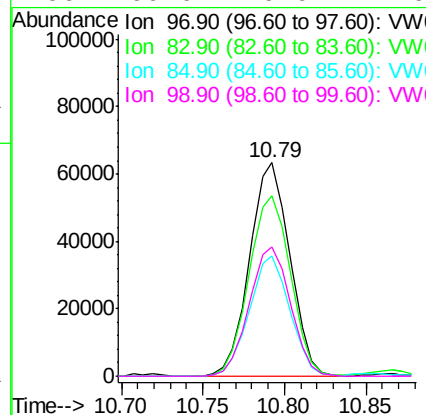
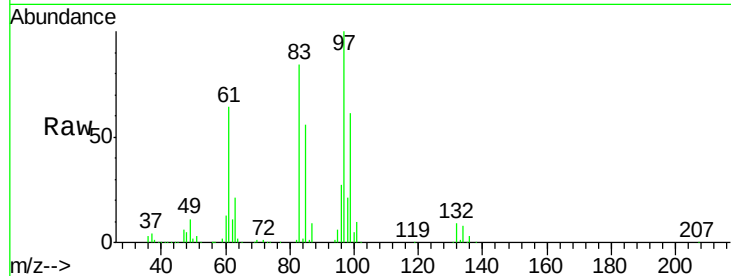
#55
 1,1,2-Trichloroethane
 Concen: 53.61 ug/l
 RT: 10.79 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		109358		
83	84.2	69.0	103.4		
85	56.3	45.0	67.6		
99	60.6	49.9	74.9		

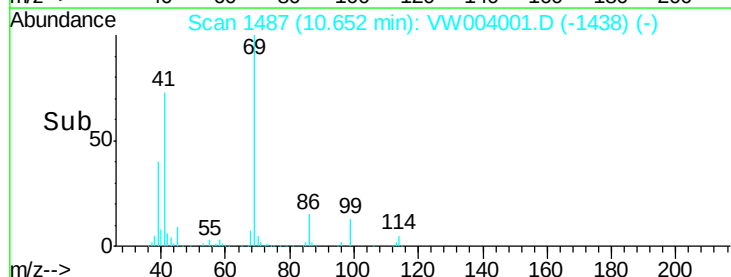
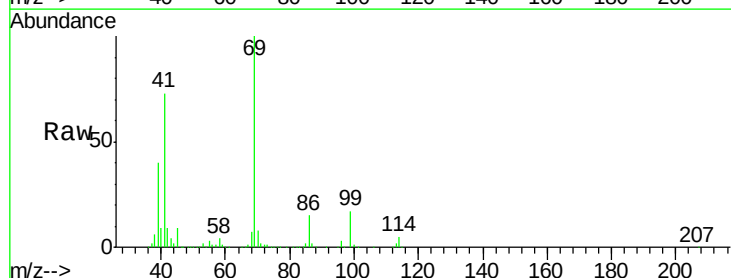
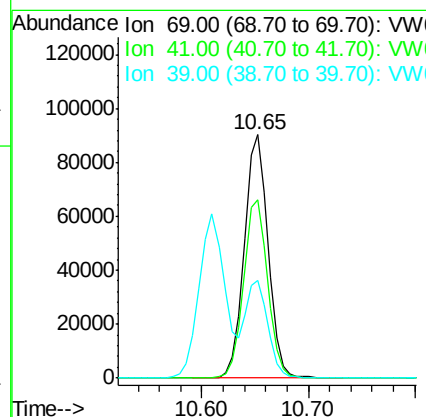
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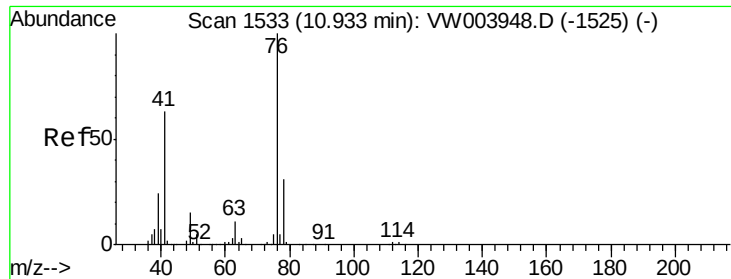
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#56
 Ethyl methacrylate
 Concen: 48.75 ug/l
 RT: 10.65 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		142003		
41	73.8	56.5	84.7		
39	37.3	30.2	45.4		





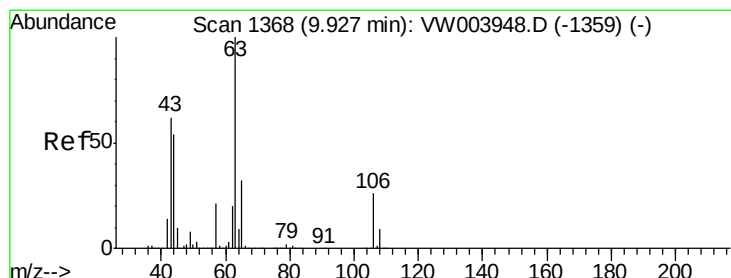
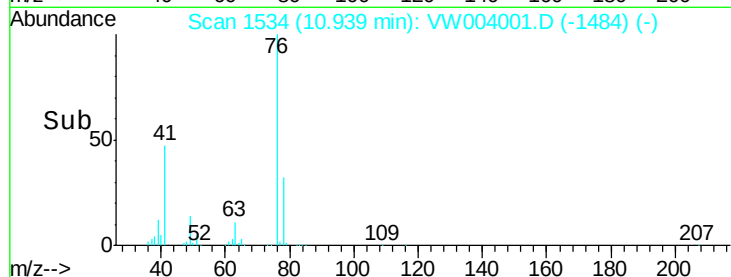
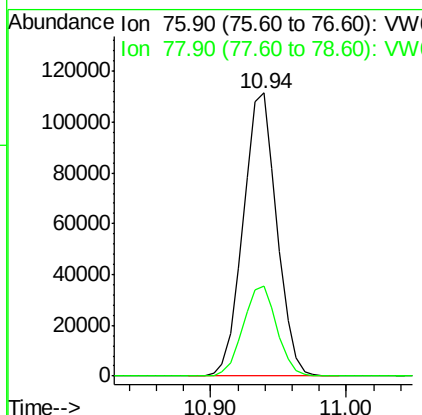
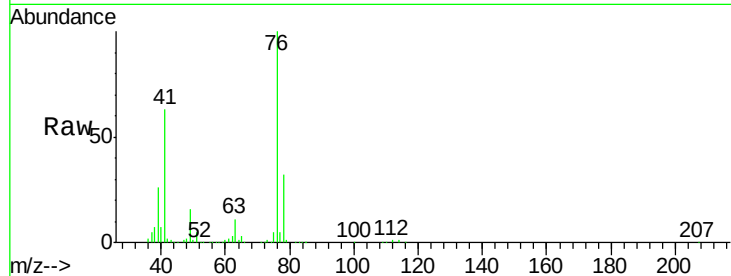
#57
 1,3-Dichloropropane
 Concen: 54.28 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.01 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 192362
 Ion Ratio Lower Upper
 76 100
 78 32.1 25.2 37.8

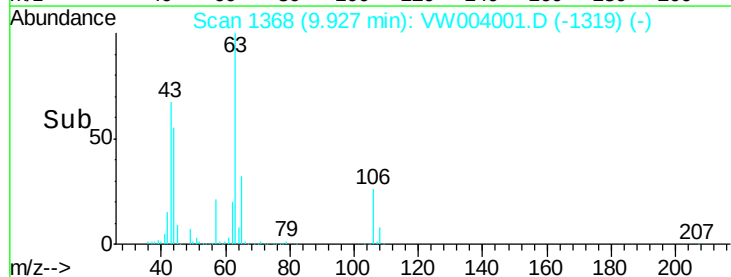
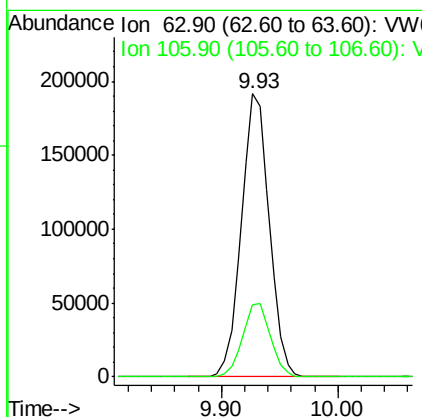
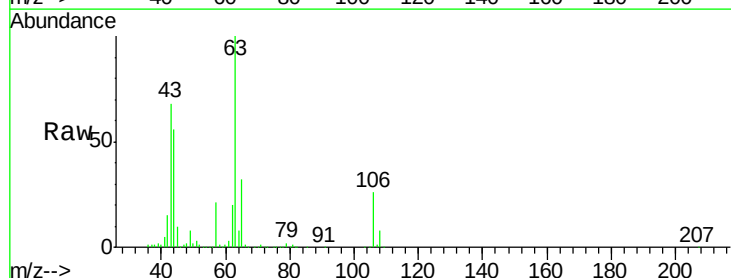
Manual Integrations
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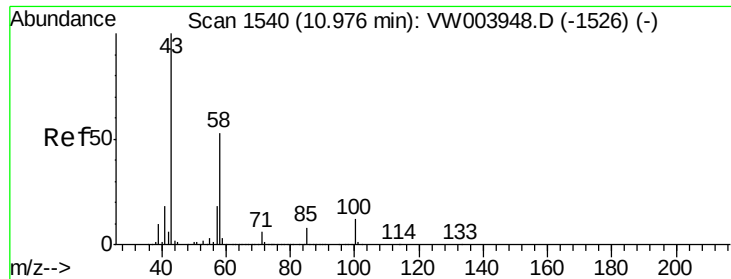
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#58
 2-Chloroethyl Vinyl ether
 Concen: 264.80 ug/l
 RT: 9.93 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion: 63 Resp: 320447
 Ion Ratio Lower Upper
 63 100
 106 26.0 21.2 31.8





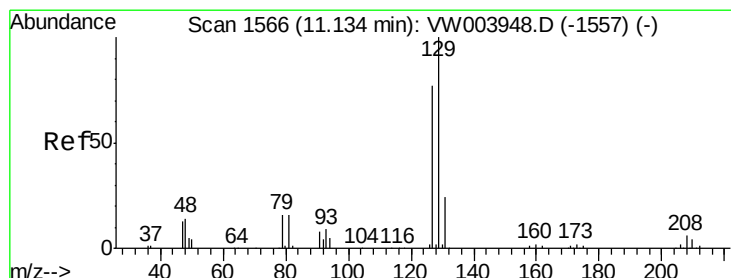
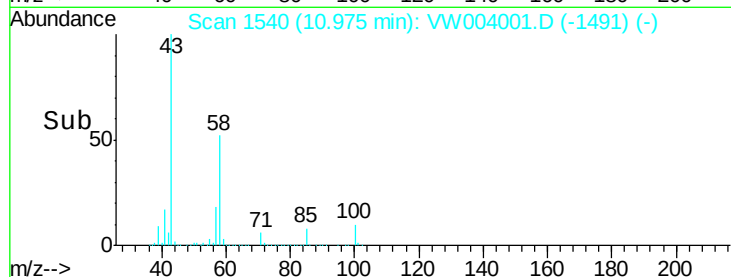
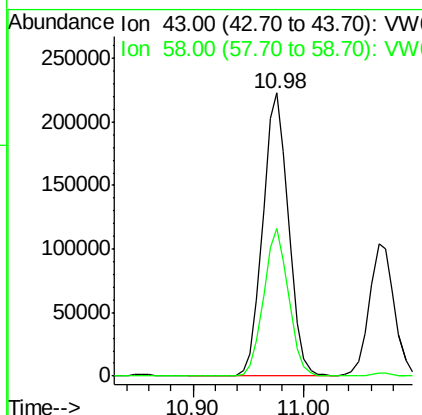
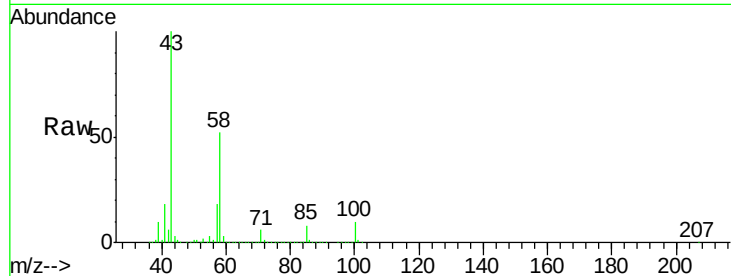
#59
2-Hexanone
Concen: 268.30 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 358762
Ion Ratio Lower Upper
43 100
58 50.7 26.0 78.0

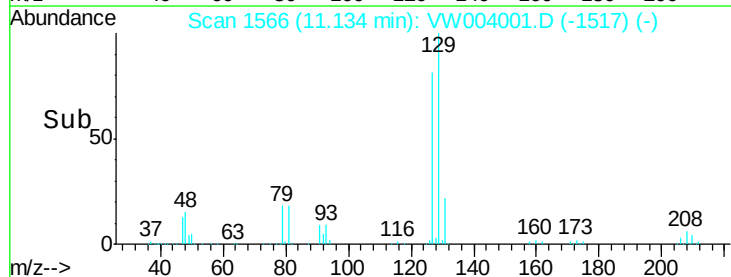
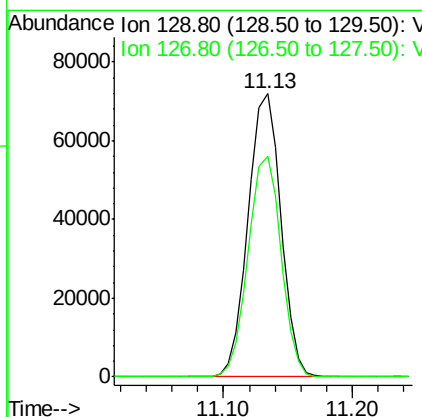
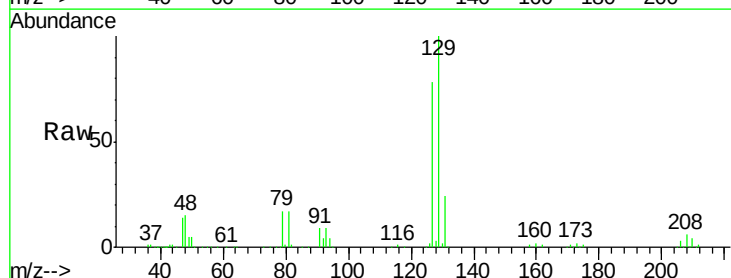
Manual Integrations
APPROVED

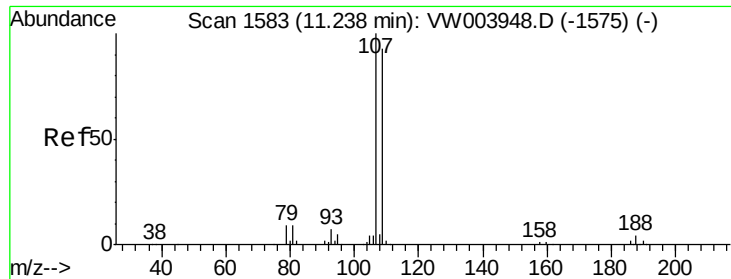
apatel
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#60
Dibromochloromethane
Concen: 53.29 ug/l
RT: 11.13 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 129 Resp: 126591
Ion Ratio Lower Upper
129 100
127 78.1 39.1 117.3





#61

1,2-Dibromoethane

Concen: 52.64 ug/l

RT: 11.24 min Scan# 1583

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 102166

Ion Ratio Lower Upper

107 100

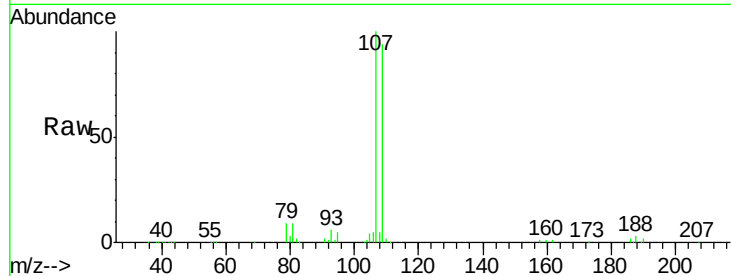
109 95.6 74.3 111.5

Manual Integrations

APPROVED

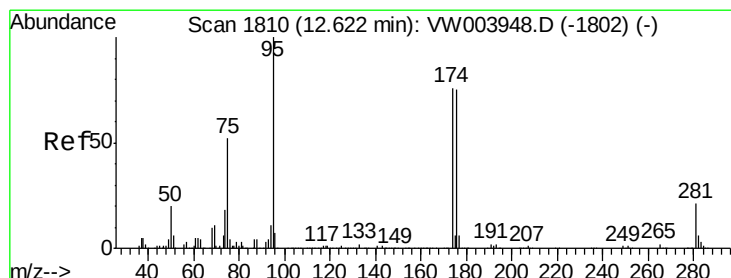
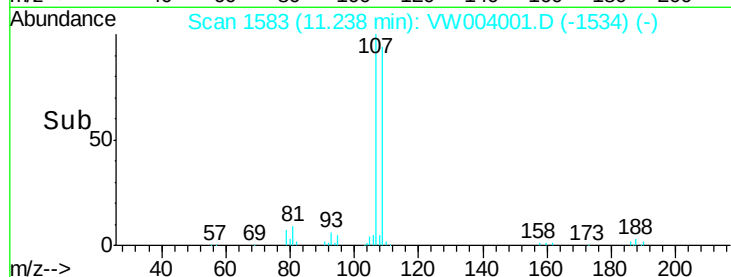
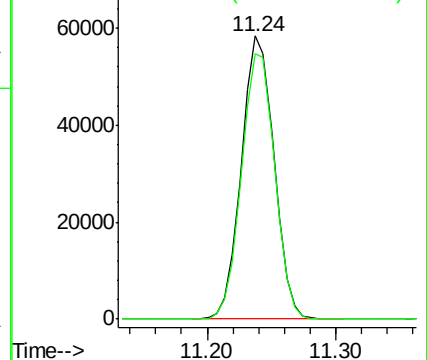
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.65 ug/l

RT: 12.62 min Scan# 1810

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

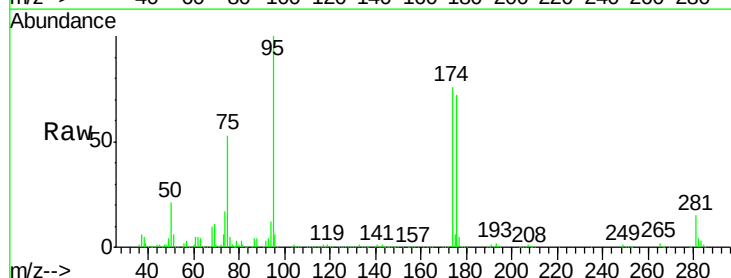
Tgt Ion: 95 Resp: 184796

Ion Ratio Lower Upper

95 100

174 80.3 0.0 160.2

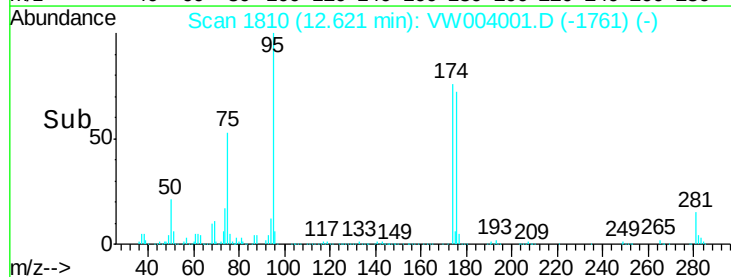
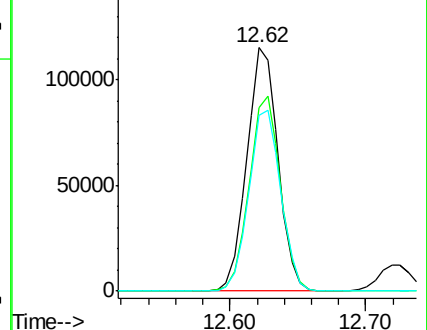
176 76.5 0.0 155.8

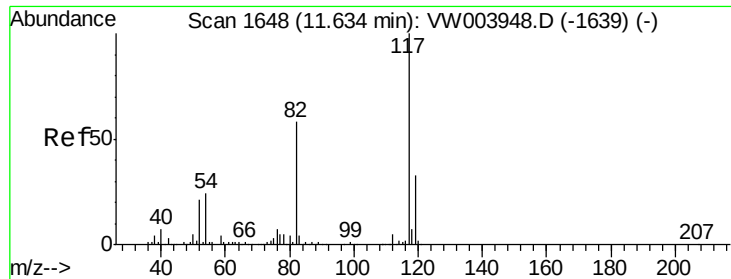


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





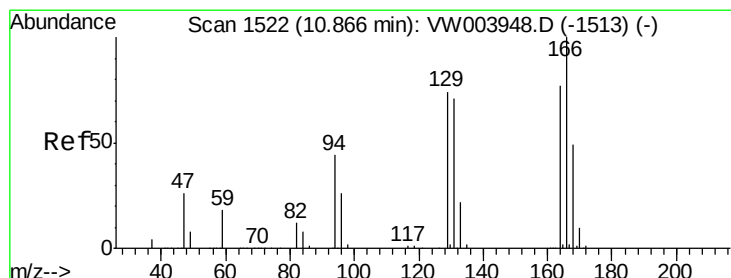
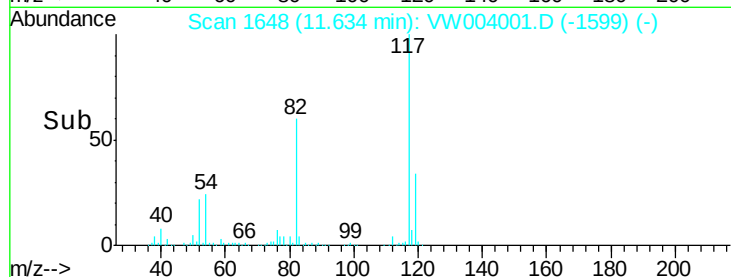
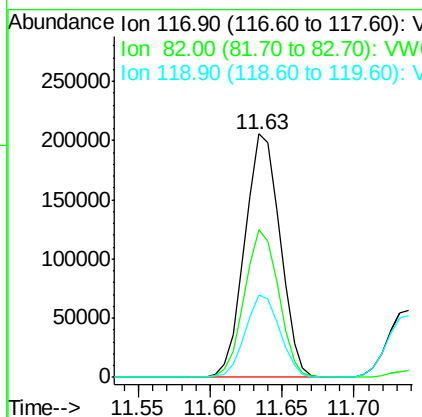
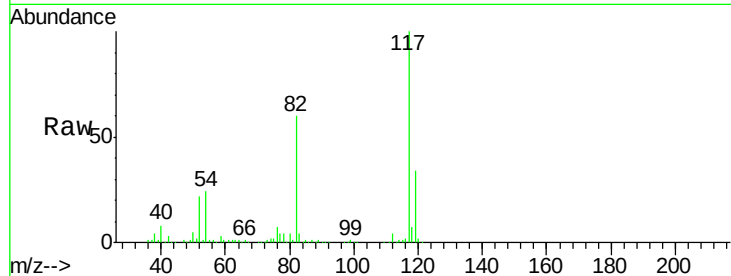
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.63 min Scan# 1648
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	349205		
82	60.4	46.5	69.7	
119	33.9	26.2	39.2	

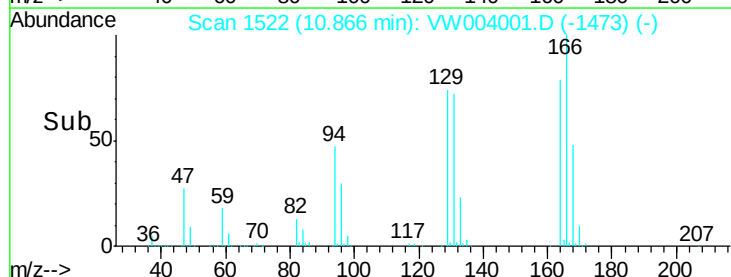
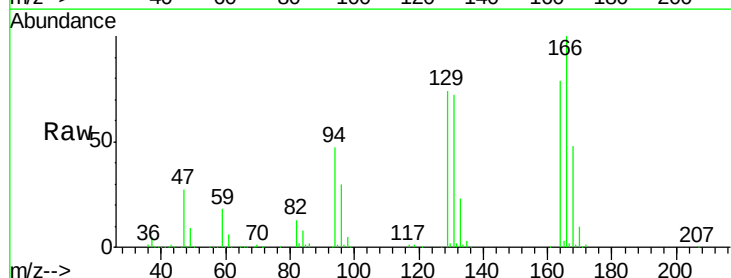
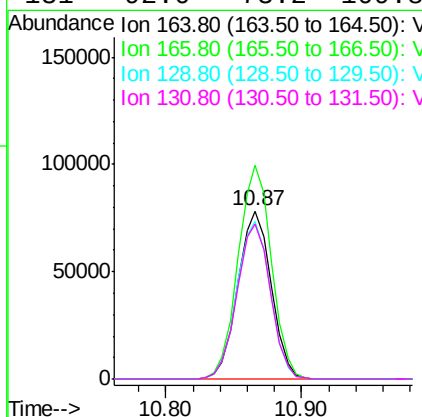
Manual Integrations
APPROVED

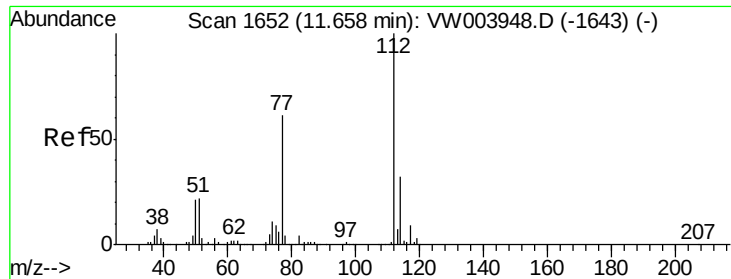
apatel
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#64
Tetrachloroethene
Concen: 55.97 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	134104		
166	127.2	103.5	155.3	
129	93.7	76.8	115.2	
131	92.0	73.2	109.8	





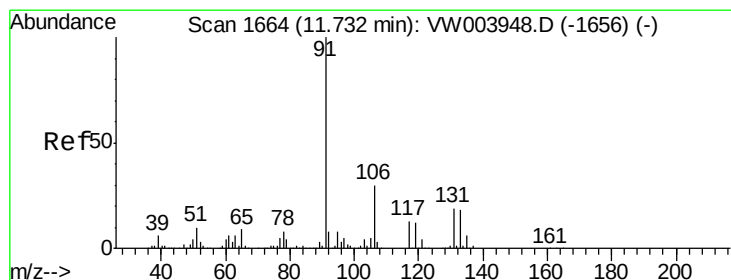
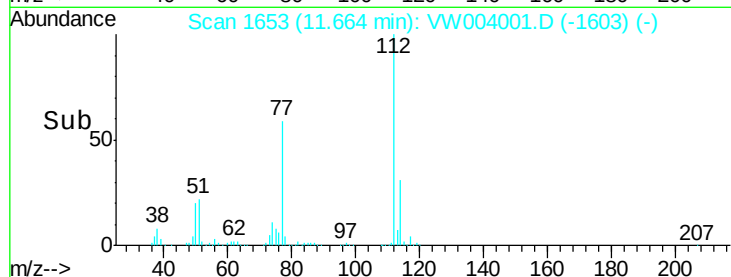
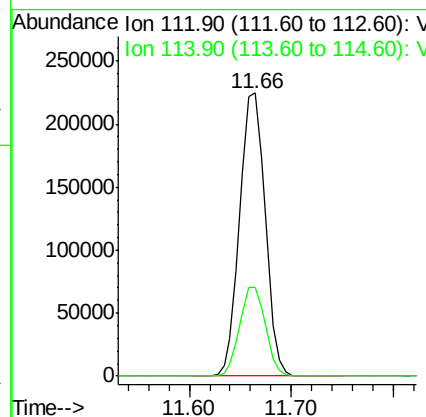
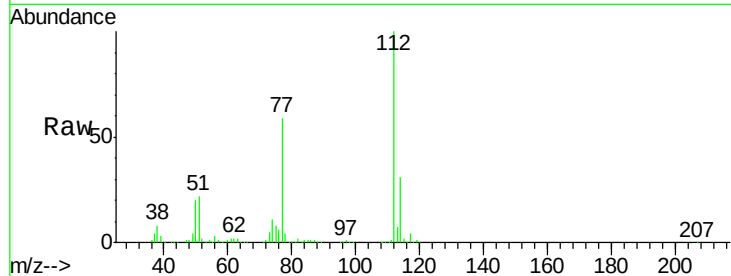
#65
Chlorobenzene
Concen: 52.32 ug/l
RT: 11.66 min Scan# 1653
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 388493
Ion Ratio Lower Upper
112 100
114 31.2 25.2 37.8

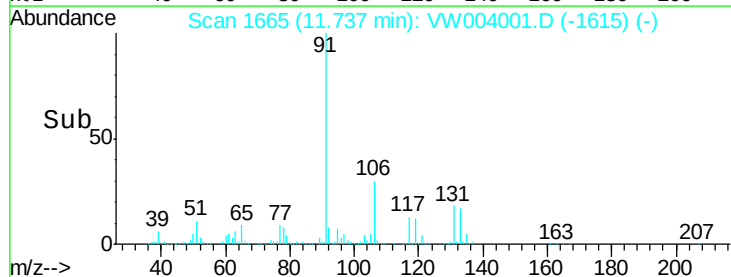
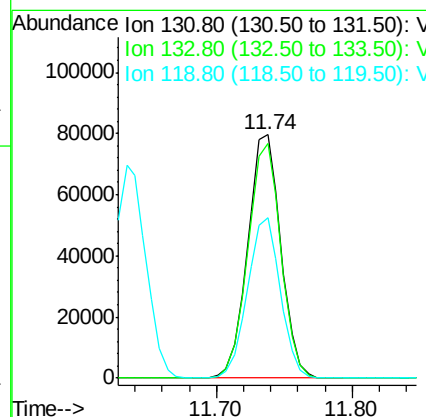
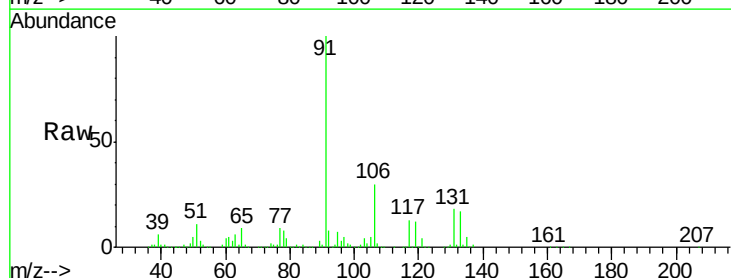
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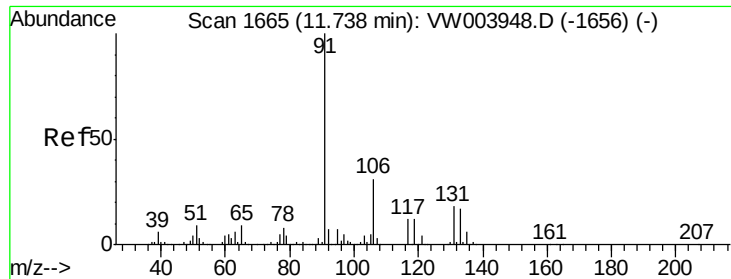
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.54 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion:131 Resp: 135581
Ion Ratio Lower Upper
131 100
133 95.9 47.9 143.8
119 65.4 32.5 97.5





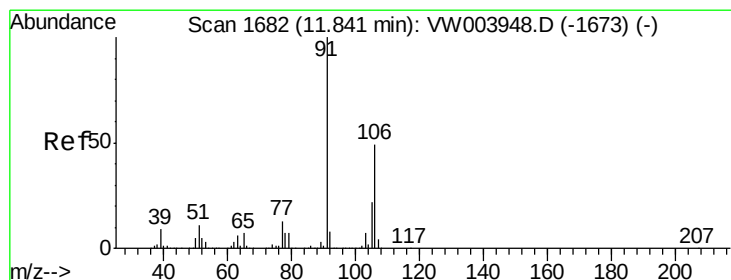
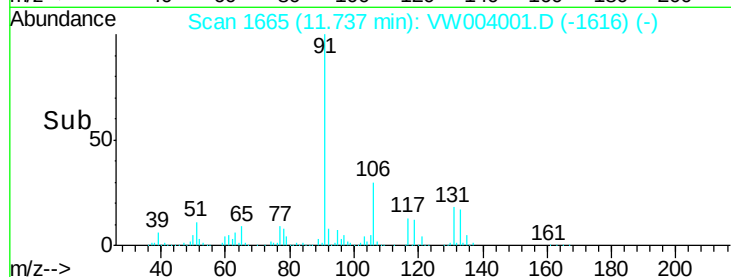
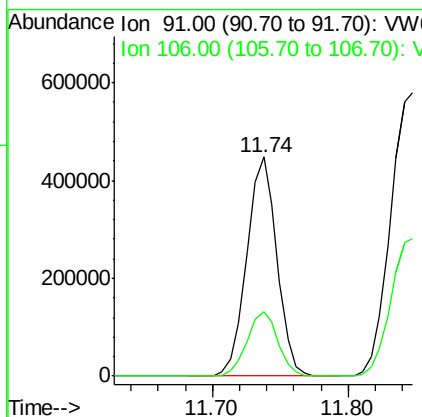
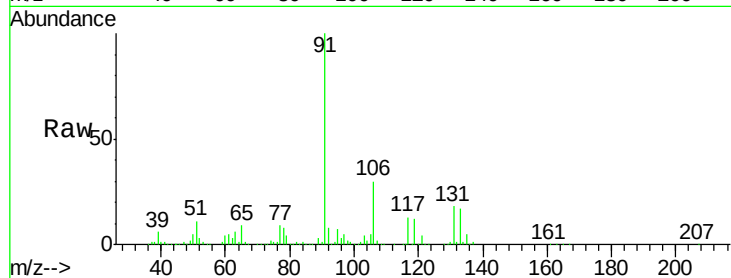
#67
Ethyl Benzene
Concen: 53.20 ug/l
RT: 11.74 min Scan# 1665
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 91 Resp: 693936
Ion Ratio Lower Upper
91 100
106 29.6 25.0 37.4

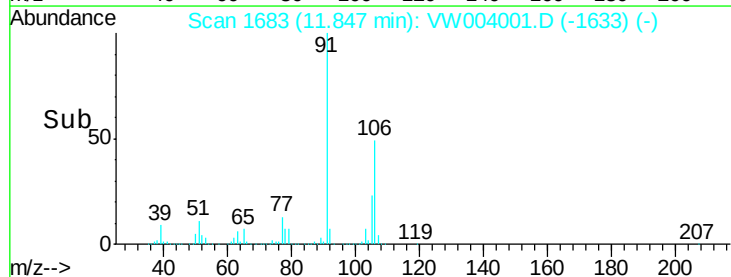
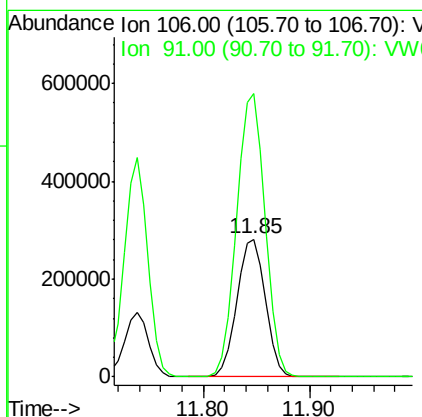
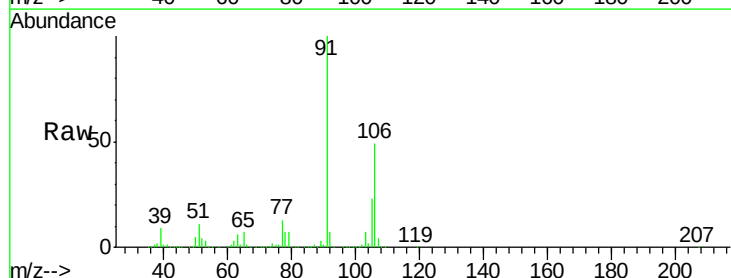
Manual Integrations
APPROVED

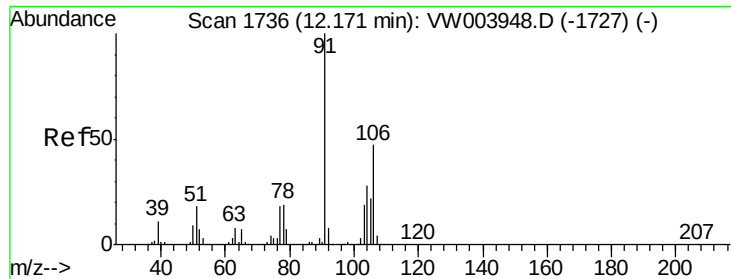
apatel
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#68
m/p-Xylenes
Concen: 105.88 ug/l
RT: 11.85 min Scan# 1683
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion: 106 Resp: 527847
Ion Ratio Lower Upper
106 100
91 205.9 164.2 246.2





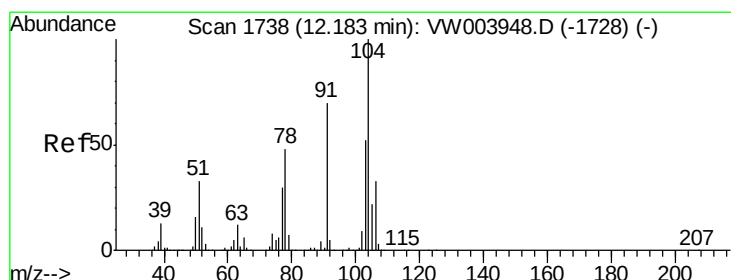
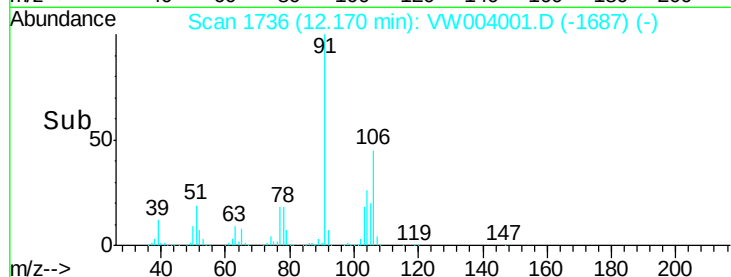
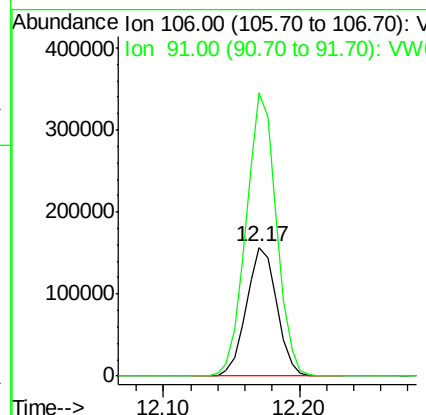
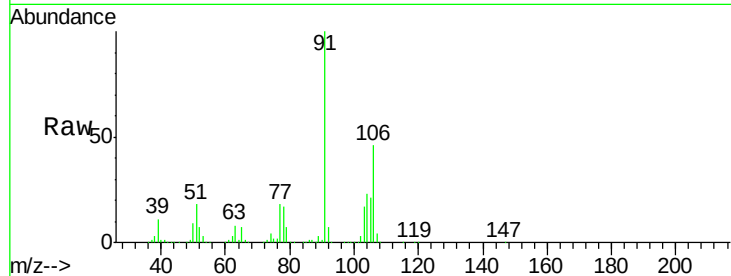
#69
o-Xylene
Concen: 53.13 ug/l
RT: 12.17 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		245721		
91	218.5	107.5	322.6		

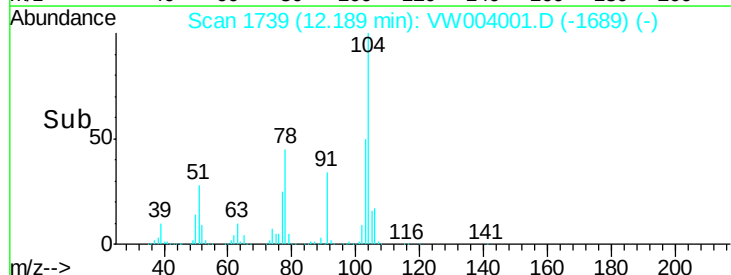
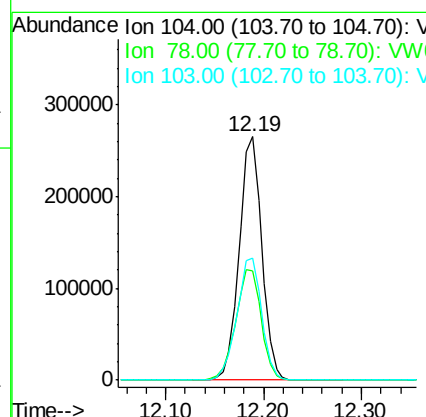
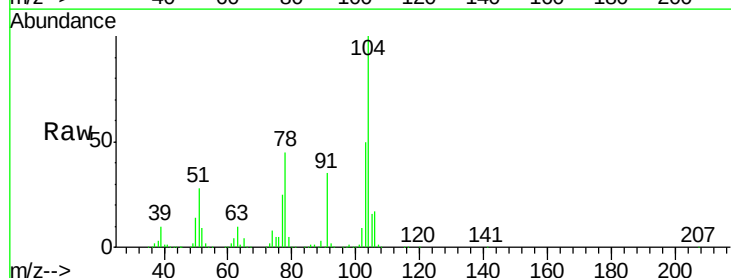
Manual Integrations
APPROVED

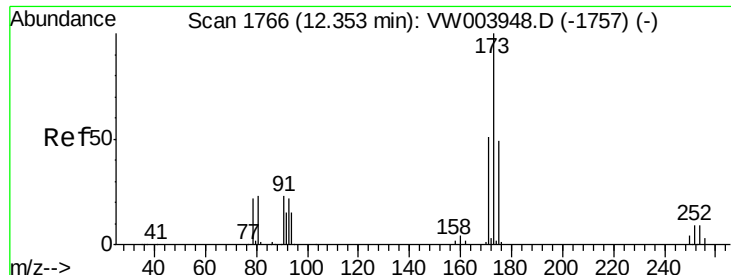
apatel
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#70
Styrene
Concen: 55.27 ug/l
RT: 12.19 min Scan# 1739
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		426941		
78	51.0	41.0	61.4		
103	54.9	44.6	67.0		





#71

Bromoform

Concen: 53.35 ug/l

RT: 12.35 min Scan# 1766

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

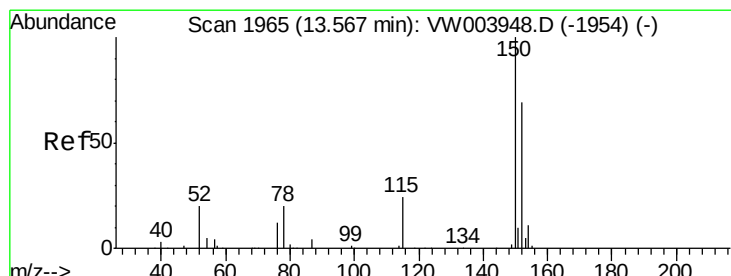
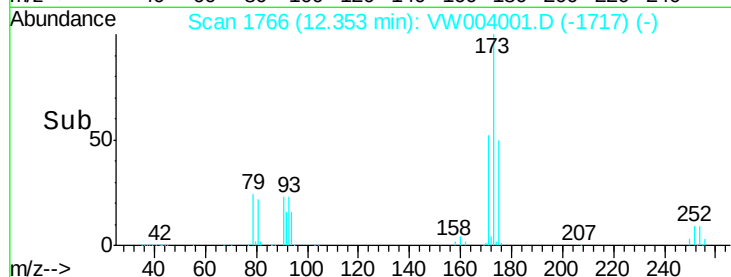
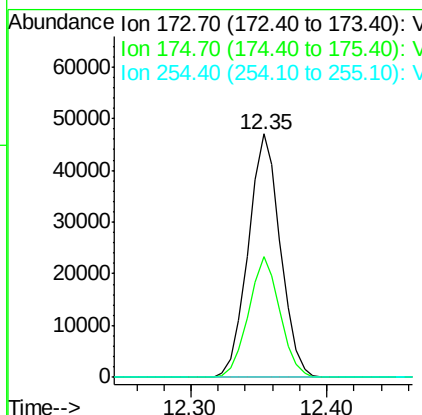
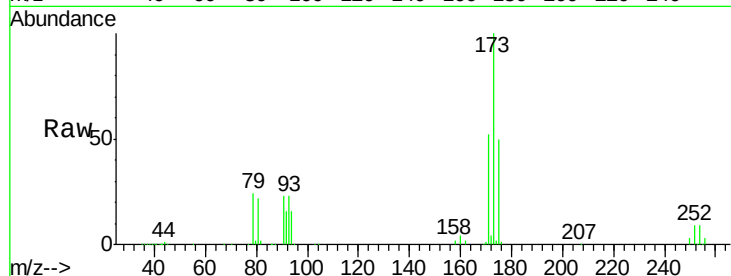
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.2
254	0.1	0.1	0.1#

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

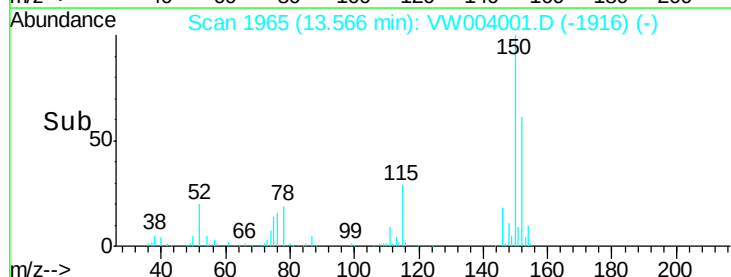
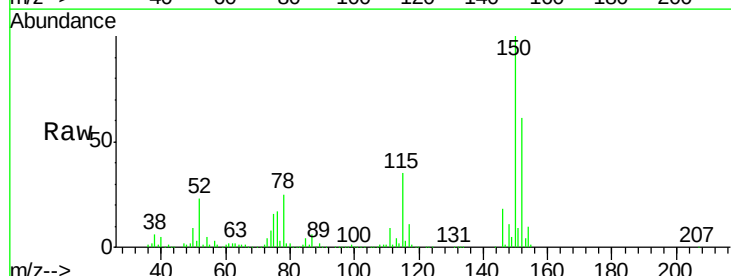
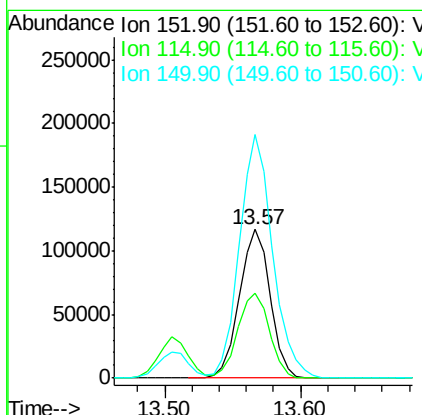
RT: 13.57 min Scan# 1965

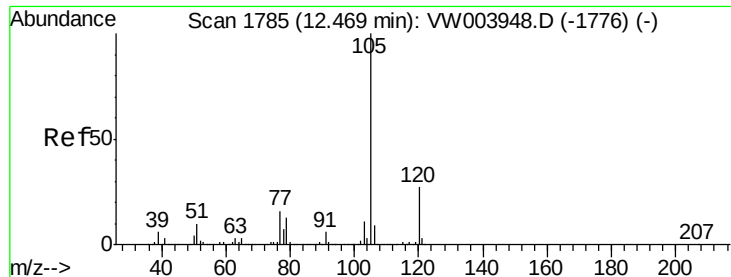
Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.2	29.2	87.6
150	176.6	0.0	345.2





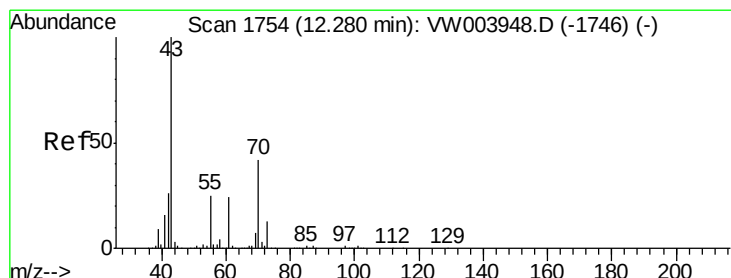
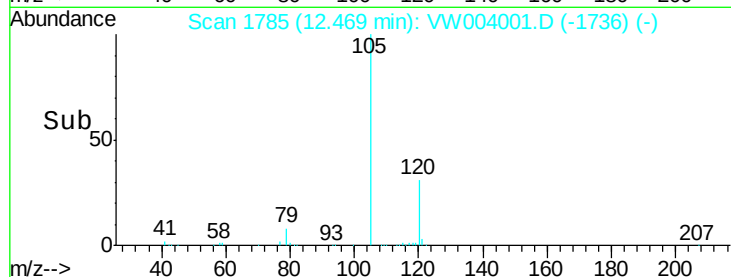
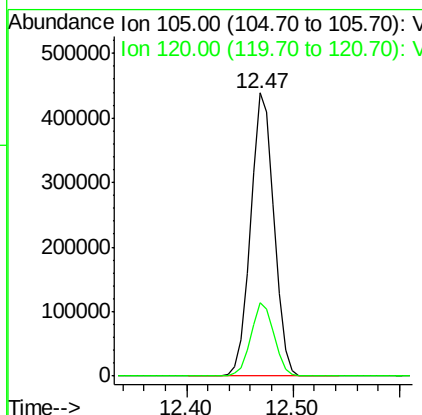
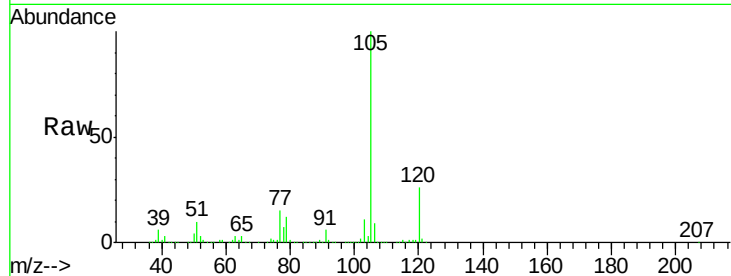
#73
Isopropylbenzene
Concen: 52.02 ug/l
RT: 12.47 min Scan# 1785
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.7	13.2	39.6

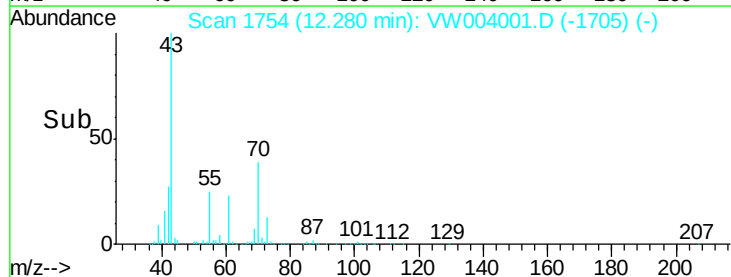
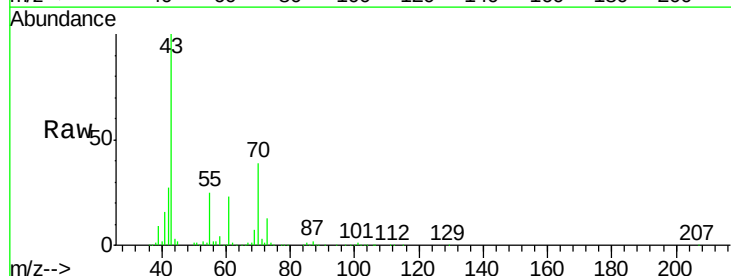
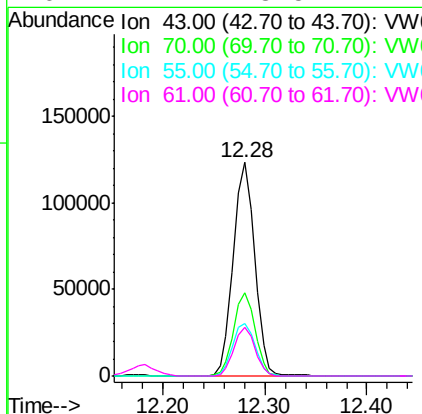
Manual Integrations
APPROVED

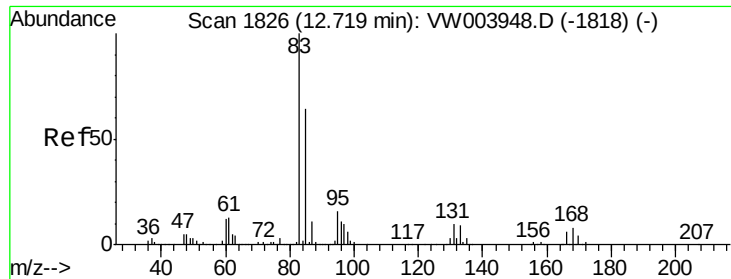
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#74
N-ethyl acetate
Concen: 53.08 ug/l
RT: 12.28 min Scan# 1754
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
43	100		
70	38.9	31.6	47.4
55	25.8	20.0	30.0
61	22.7	18.5	27.7





#75

1,1,2,2-Tetrachloroethane

Concen: 52.57 ug/l

RT: 12.72 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

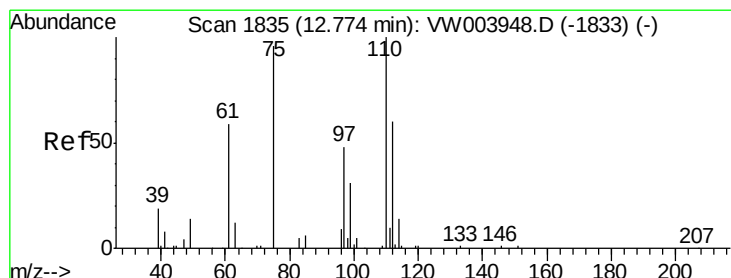
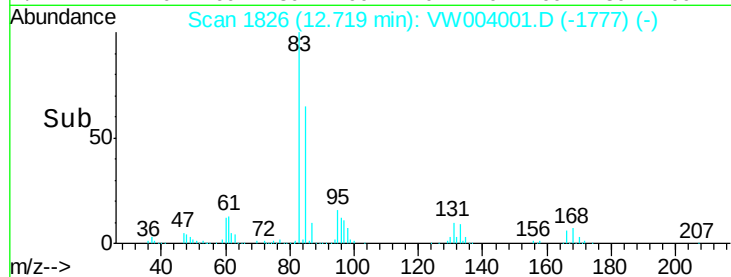
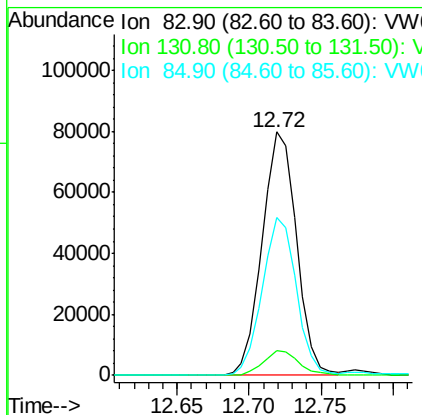
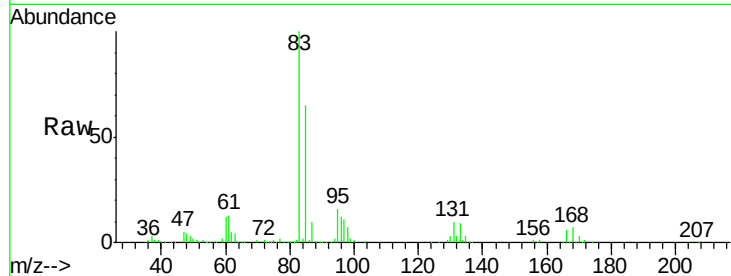
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	132078
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.3	15.8
85	64.3	32.2	96.6

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 49.31 ug/l m

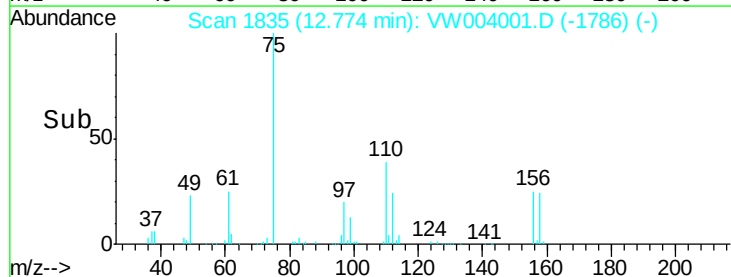
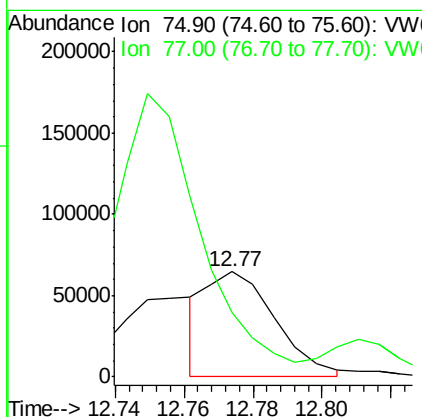
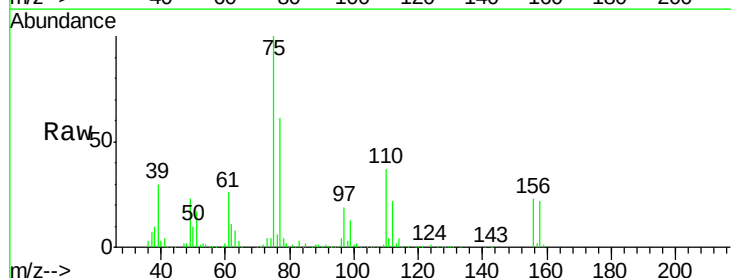
RT: 12.77 min Scan# 1835

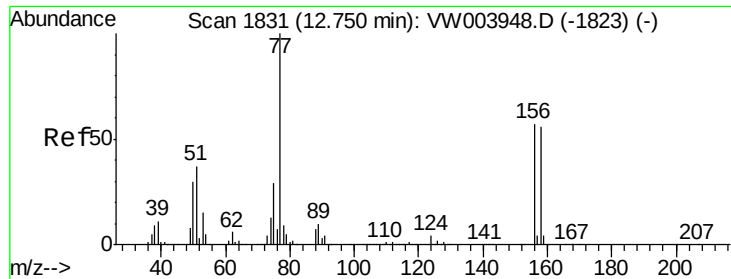
Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion:	75	Resp:	89999
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.28 ug/l

RT: 12.75 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

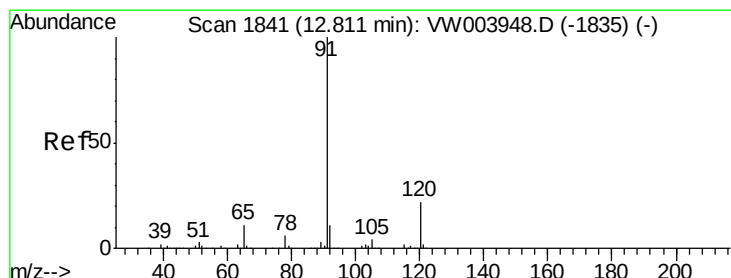
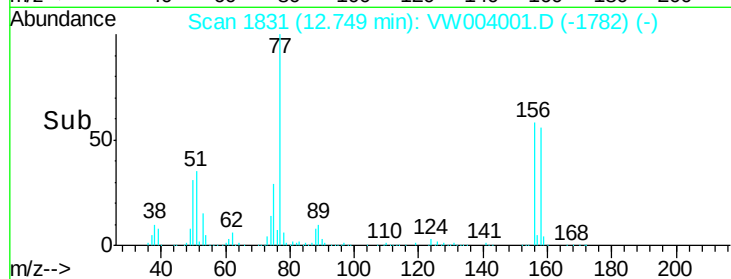
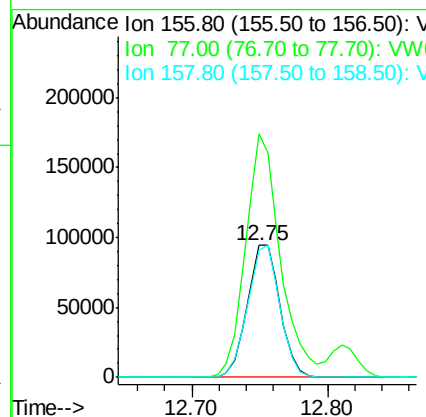
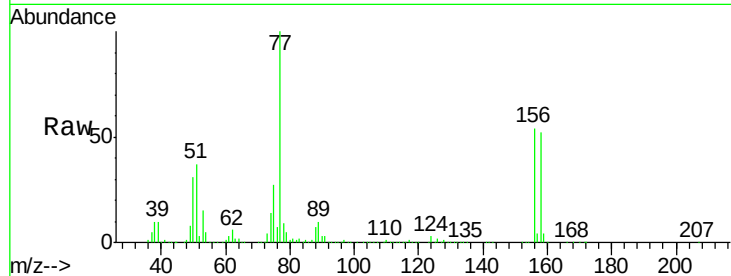
ClientSampled :

VSTDCCC050

Tot Ion:	156	Resp:	159402
Ion Ratio	Lower	Upper	
156	100		
77	194.6	96.2	288.6
158	97.9	48.5	145.5

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#78

n-propylbenzene

Concen: 52.10 ug/l

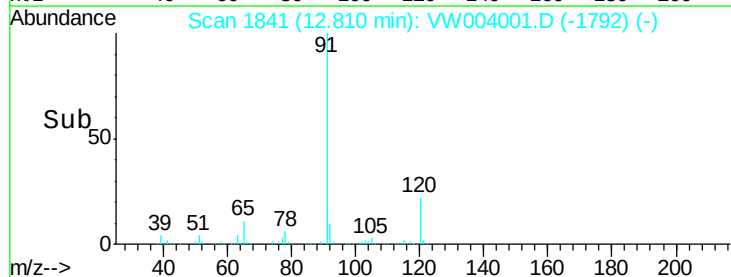
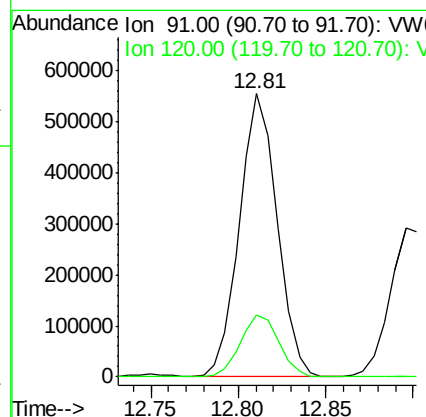
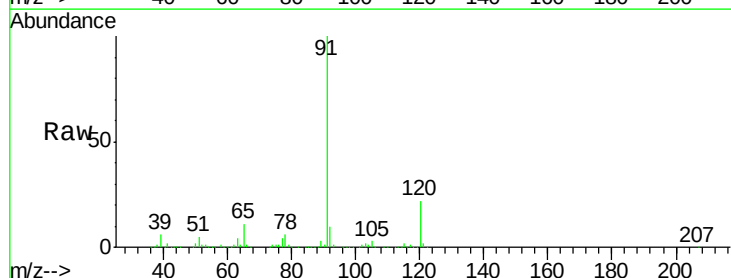
RT: 12.81 min Scan# 1841

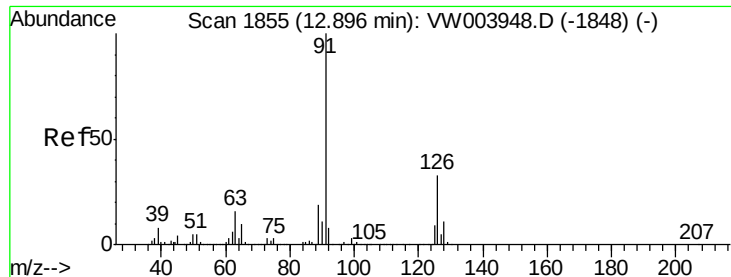
Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion:	91	Resp:	830270
Ion Ratio	Lower	Upper	
91	100		
120	22.5	11.2	33.6





#79

2-Chlorotoluene

Concen: 52.84 ug/l

RT: 12.90 min Scan# 1855

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 474943

Ion Ratio Lower Upper

91 100

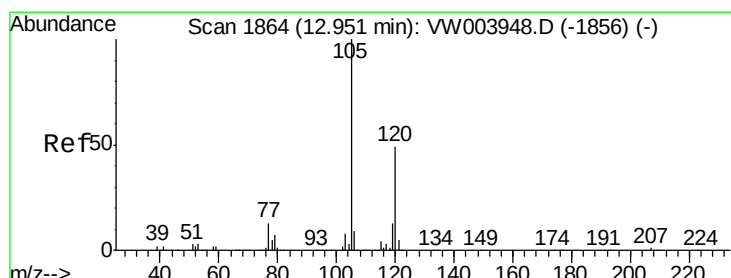
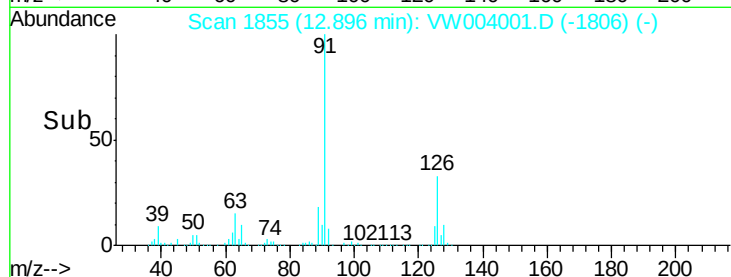
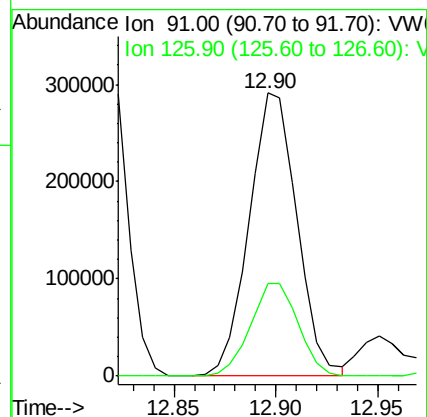
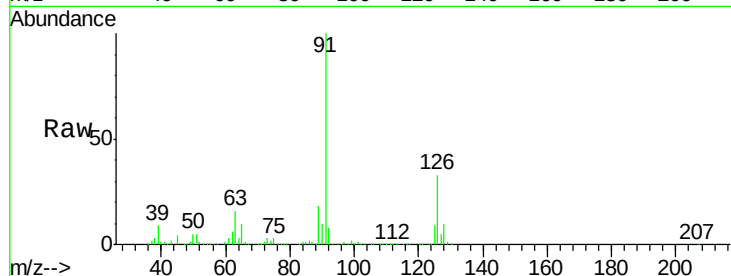
126 33.1 17.0 51.0

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#80

1,3,5-Trimethylbenzene

Concen: 52.18 ug/l

RT: 12.95 min Scan# 1864

Delta R.T. -0.00 min

Lab File: VW004001.D

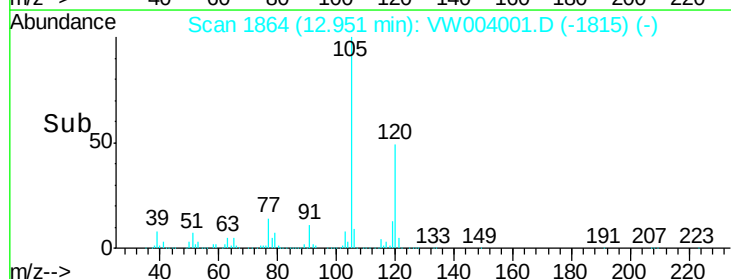
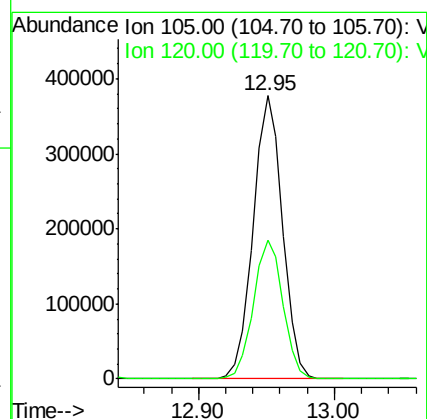
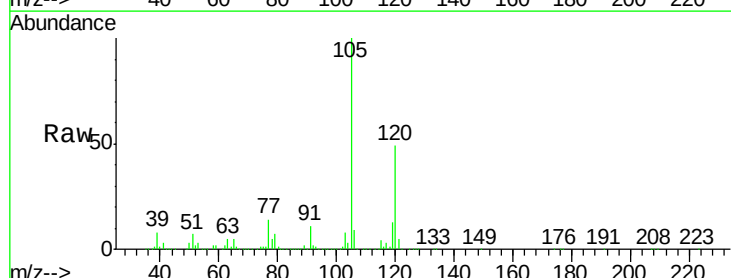
Acq: 17 Jul 2018 23:33

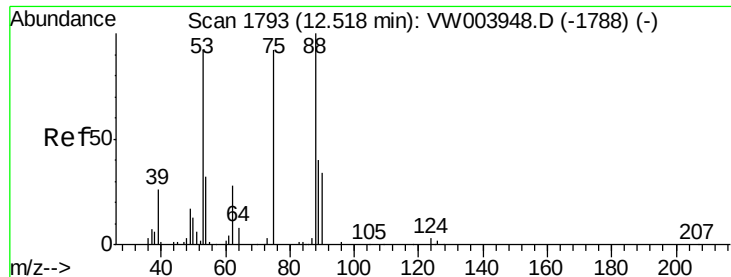
Tgt Ion:105 Resp: 570489

Ion Ratio Lower Upper

105 100

120 49.2 24.4 73.2





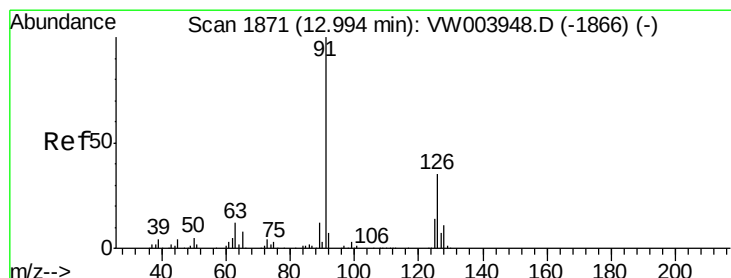
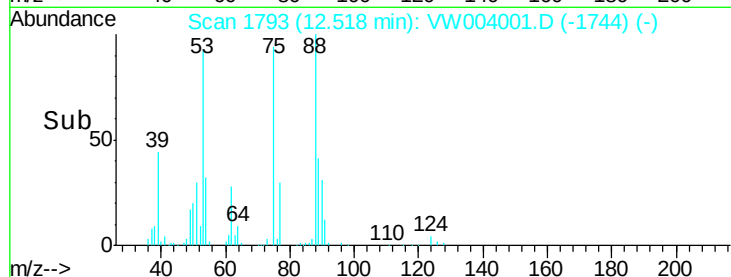
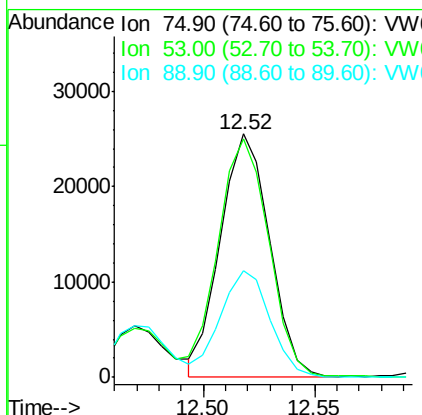
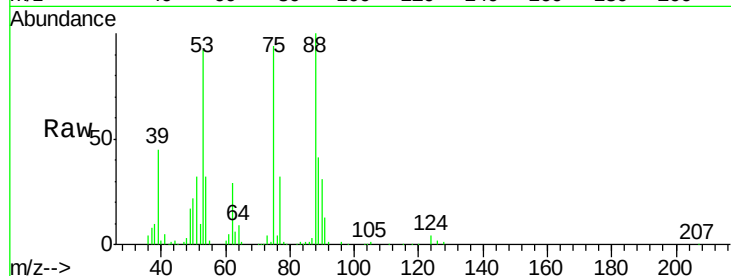
#81
trans-1,4-Dichloro-2-butene
Concen: 47.21 ug/l
RT: 12.52 min Scan# 1793
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	102.0	77.6	116.4
89	44.7	36.6	54.8

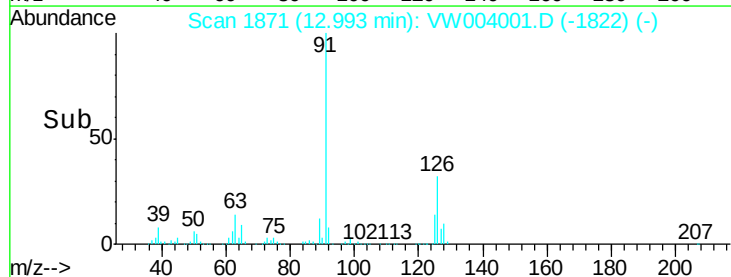
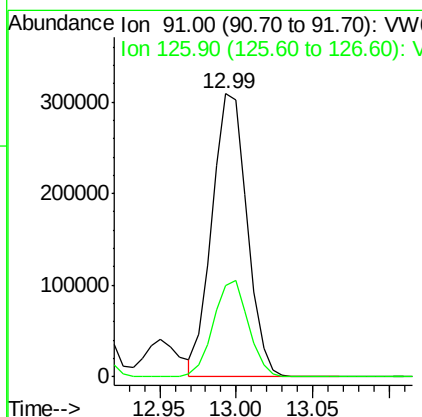
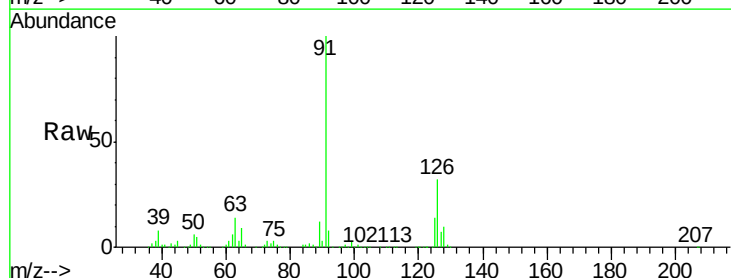
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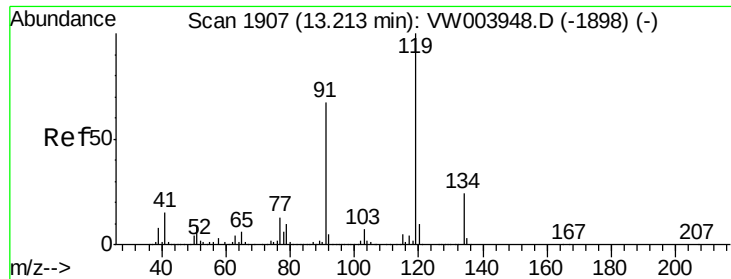
apatel
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#82
4-Chlorotoluene
Concen: 50.93 ug/l
RT: 12.99 min Scan# 1871
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.0	16.7	50.0





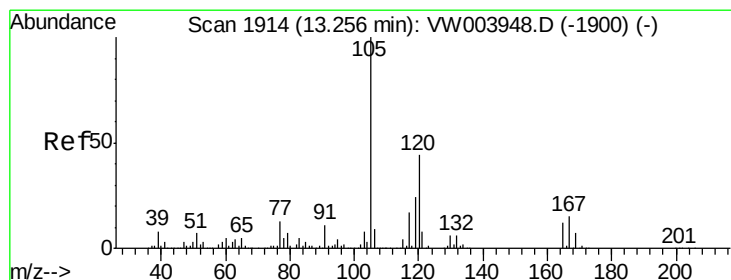
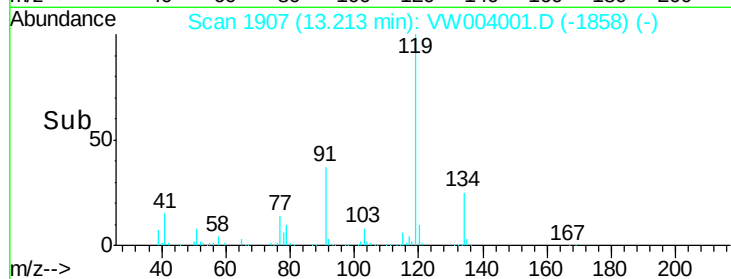
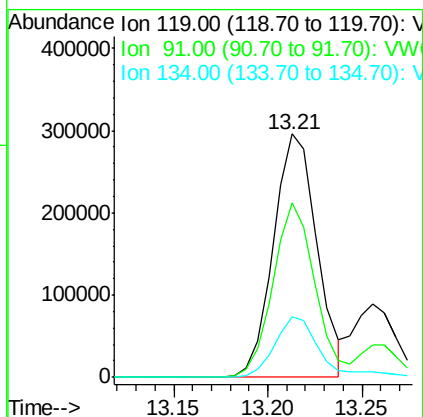
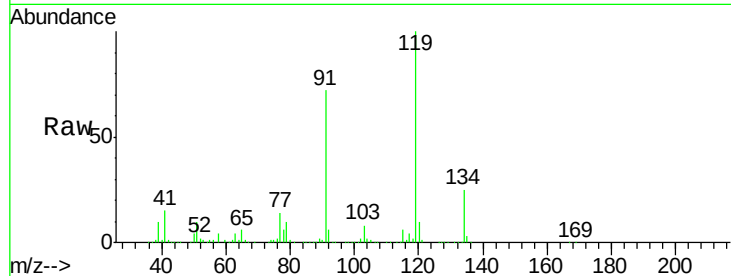
#83
 tert-Butylbenzene
 Concen: 51.62 ug/l
 RT: 13.21 min Scan# 1907
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	69.1	33.2	99.6
134	26.0	13.0	38.9

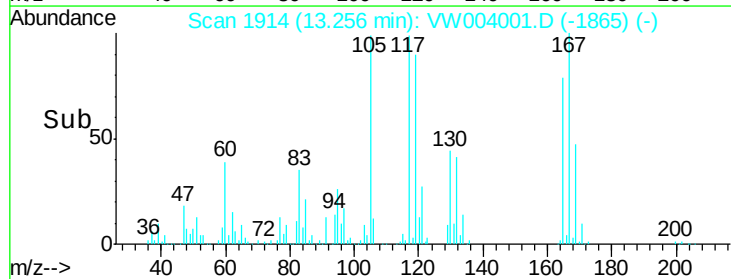
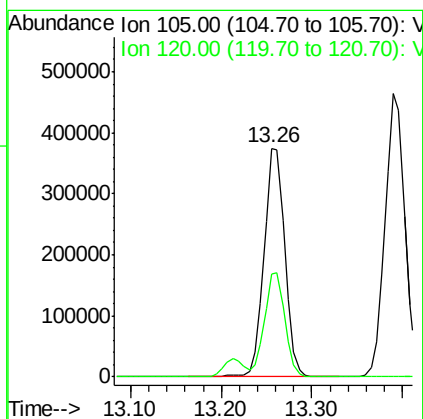
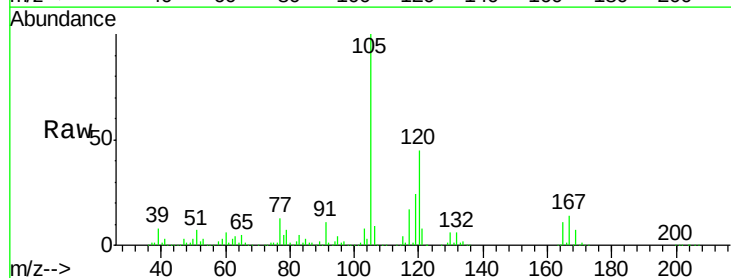
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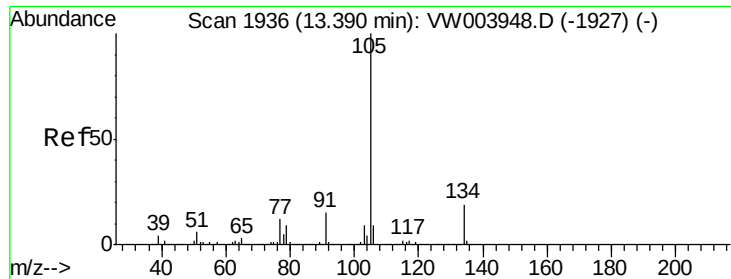
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.78 ug/l
 RT: 13.26 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.1	66.1





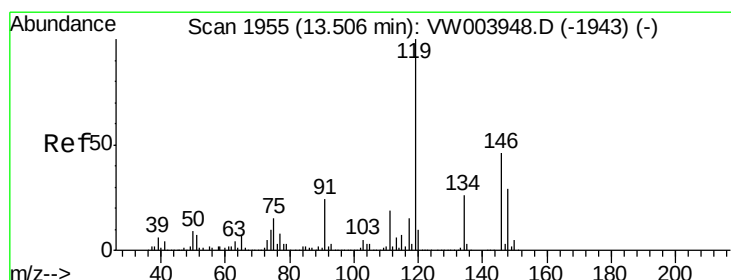
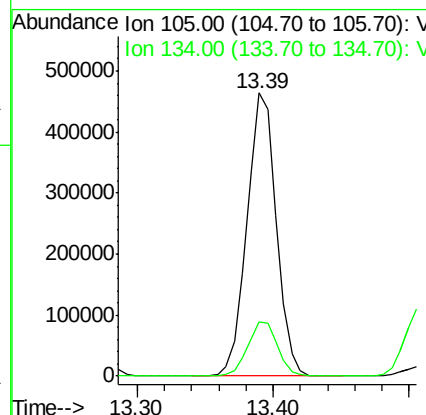
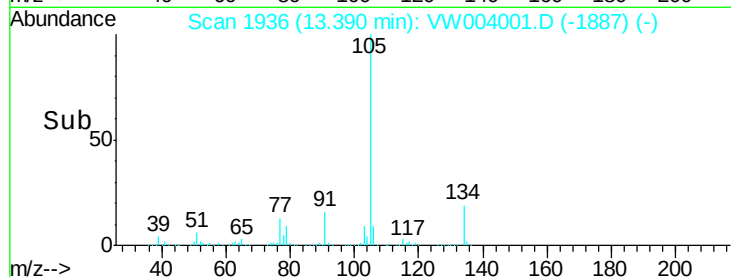
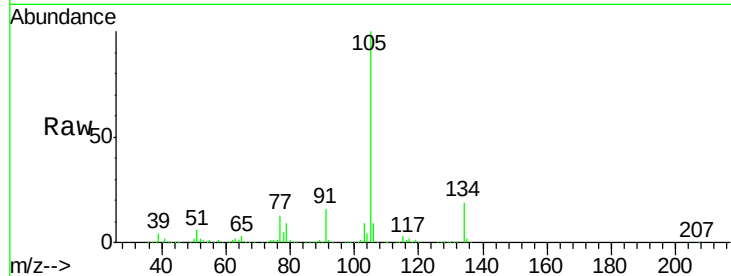
#85
 sec-Butylbenzene
 Concen: 51.29 ug/l
 RT: 13.39 min Scan# 1936
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.8	29.4

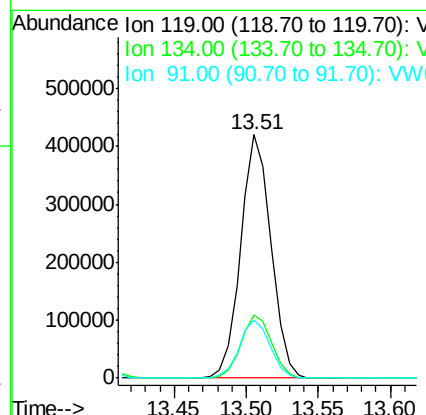
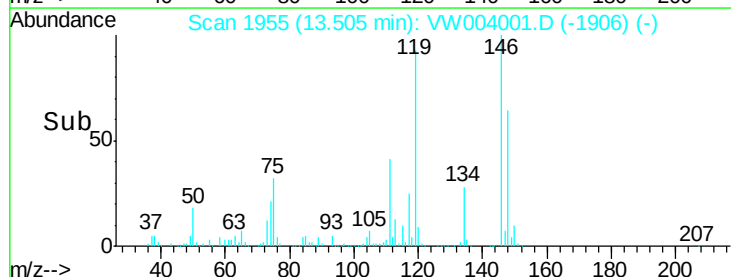
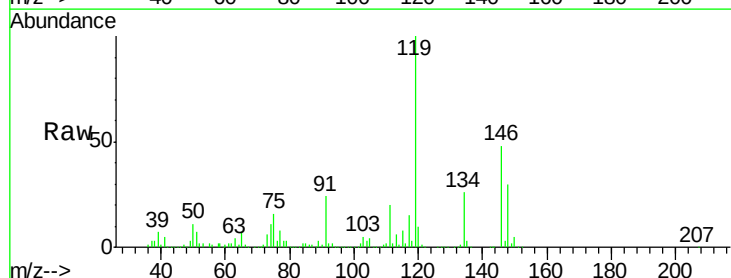
Manual Integrations
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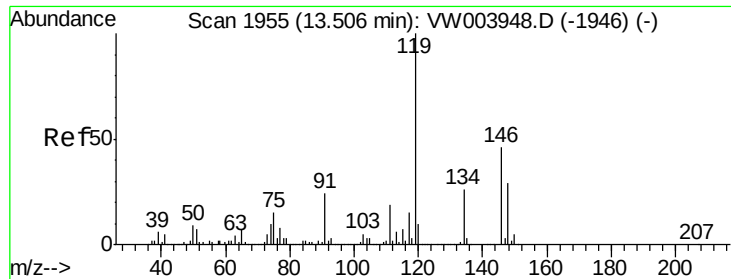
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#86
 p-Isopropyltoluene
 Concen: 51.28 ug/l
 RT: 13.51 min Scan# 1955
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	13.0	38.9
91	24.1	11.8	35.3





#87

1,3-Dichlorobenzene

Concen: 50.90 ug/l

RT: 13.51 min Scan# 1955

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

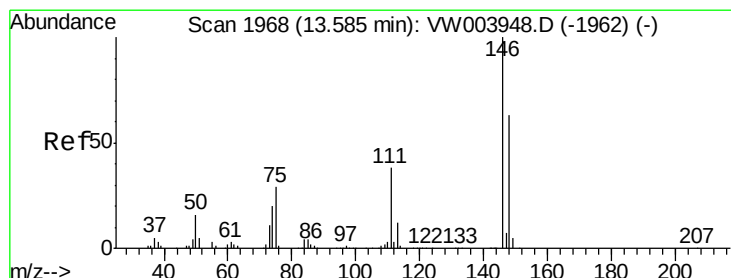
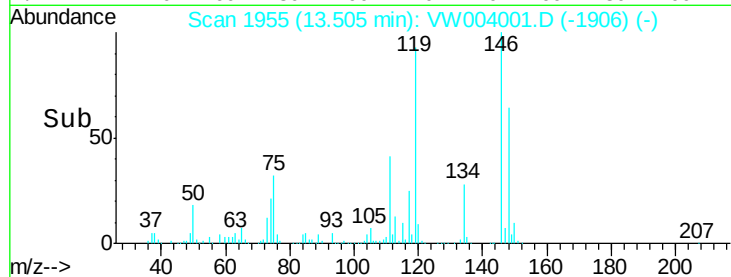
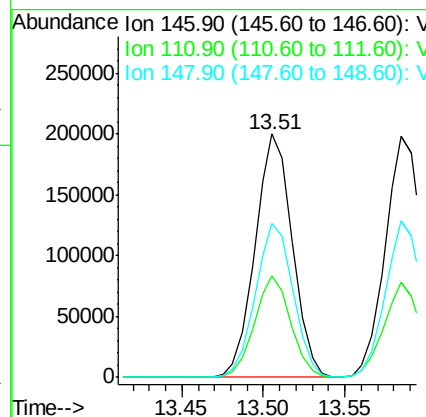
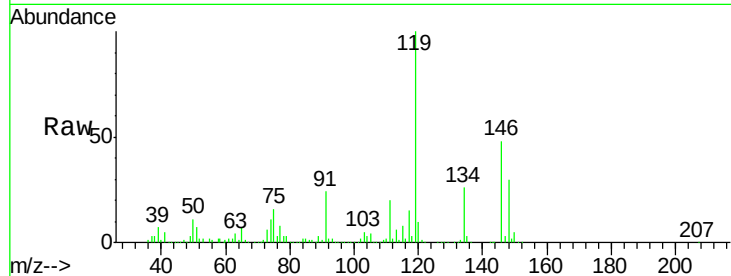
Instrument :
MSVOA_W

ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	316001		
111	40.4	19.9	59.6	
148	64.0	31.9	95.5	

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#88

1,4-Dichlorobenzene

Concen: 50.56 ug/l

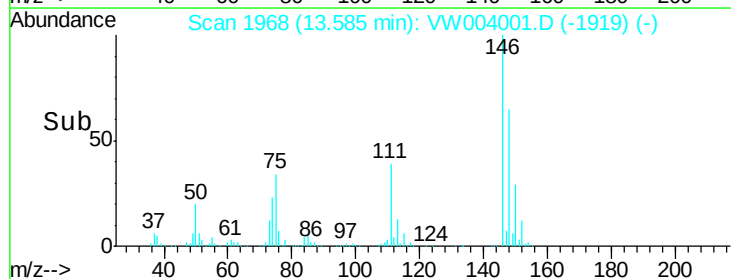
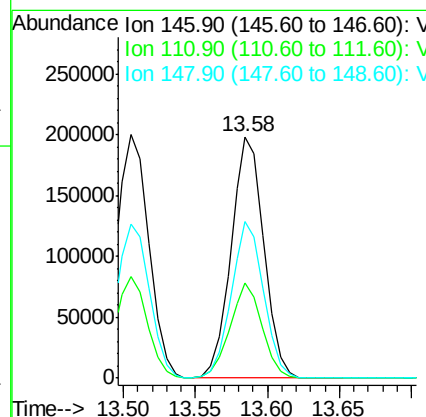
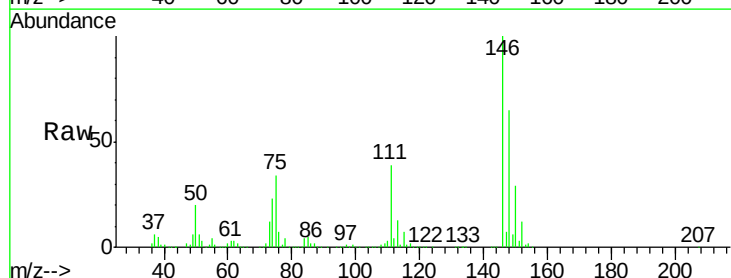
RT: 13.58 min Scan# 1968

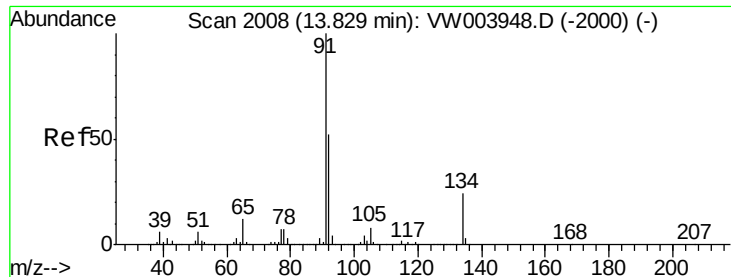
Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	314786		
111	38.6	19.6	58.7	
148	64.1	32.3	96.8	





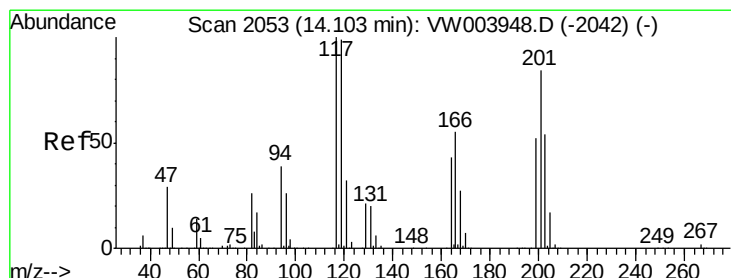
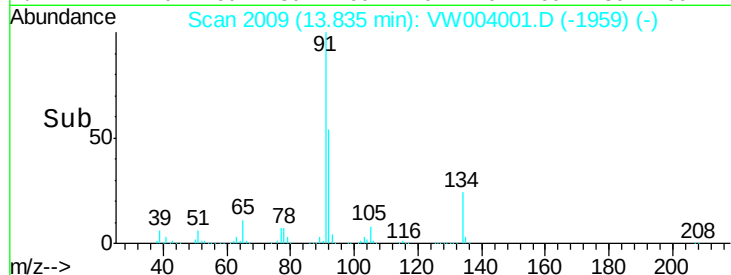
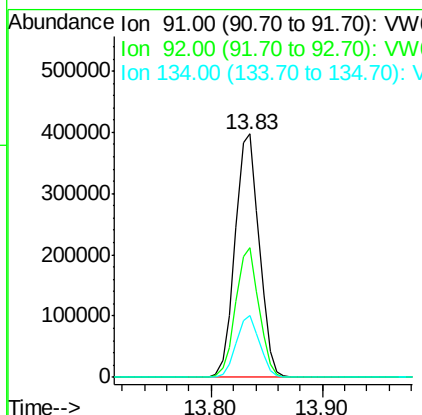
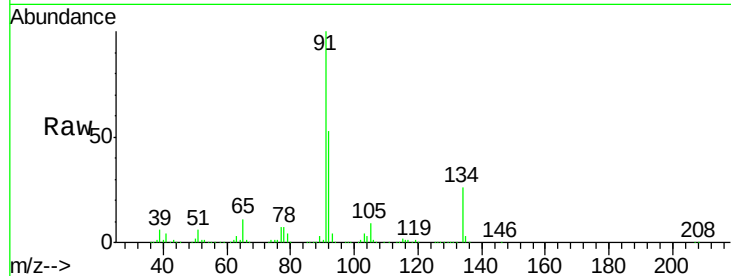
#89
n-Butylbenzene
Concen: 50.53 ug/l
RT: 13.83 min Scan# 2009
Delta R.T. 0.01 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.7	26.1	78.3
134	24.7	12.4	37.4

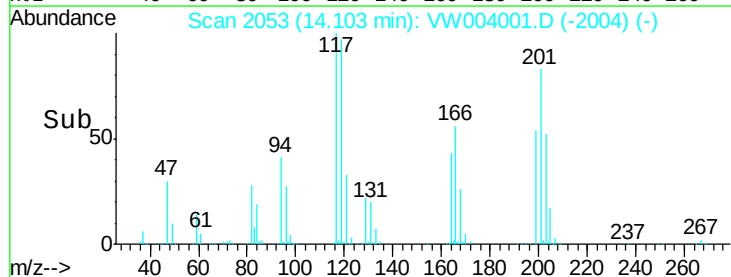
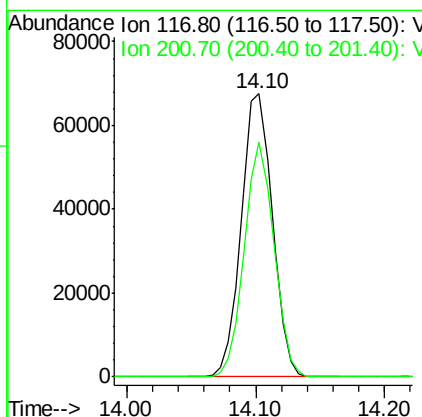
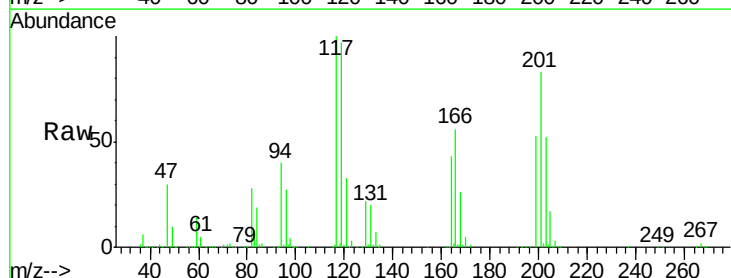
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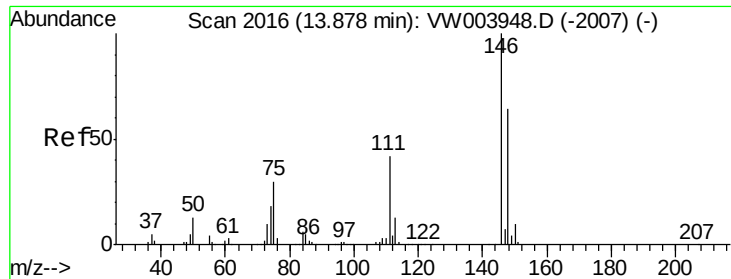
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#90
Hexachloroethane
Concen: 51.25 ug/l
RT: 14.10 min Scan# 2053
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Lower	Upper
117	100		
201	78.7	40.3	120.9





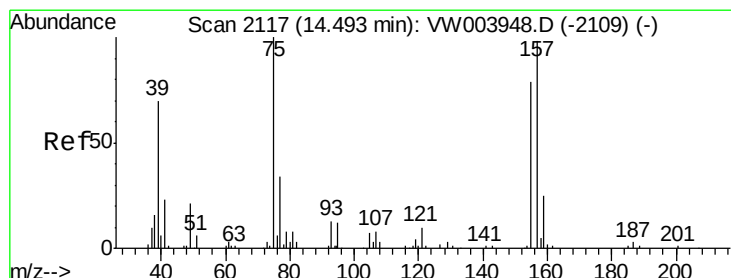
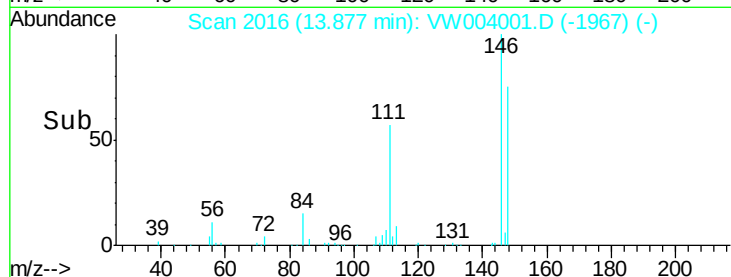
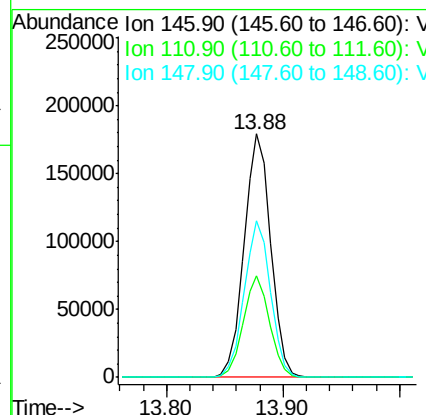
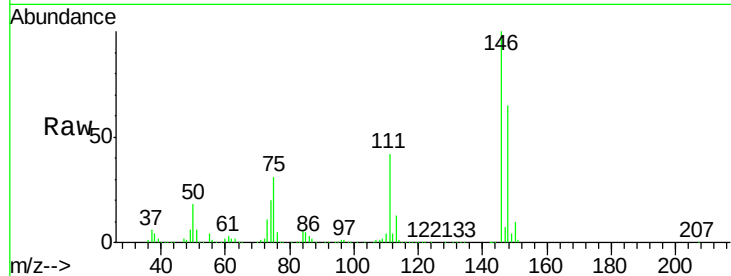
#91
 1,2-Dichlorobenzene
 Concen: 51.58 ug/l
 RT: 13.88 min Scan# 2016
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	285291		
111	41.2	20.7	62.1	
148	63.8	32.0	96.2	

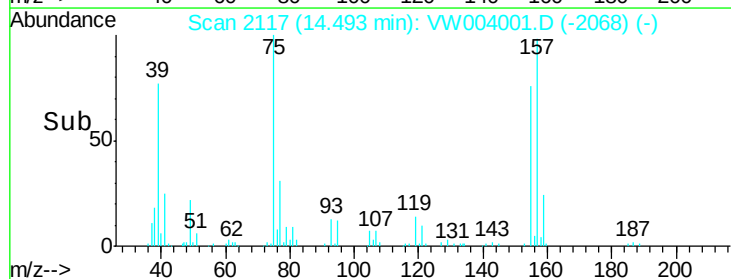
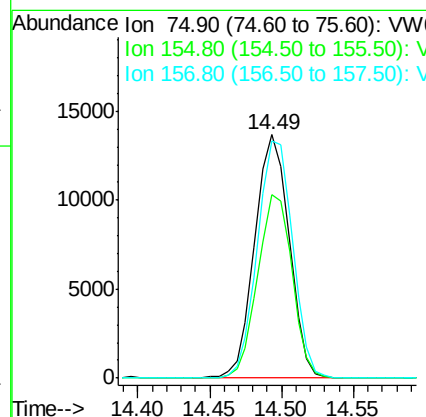
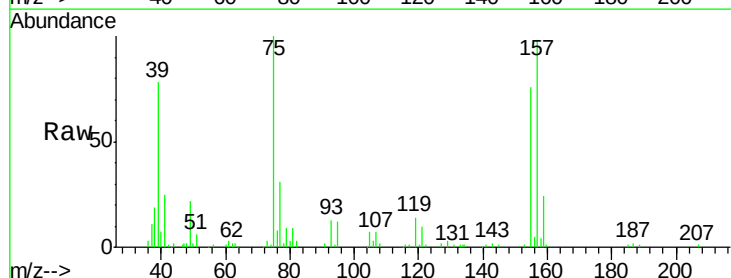
Manual Integrations
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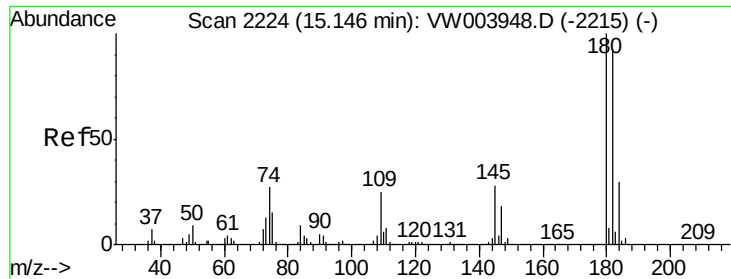
apatel
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.60 ug/l
 RT: 14.49 min Scan# 2117
 Delta R.T. -0.00 min
 Lab File: VW004001.D
 Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	22606		
155	75.4	39.4	118.1	
157	99.8	51.8	155.4	





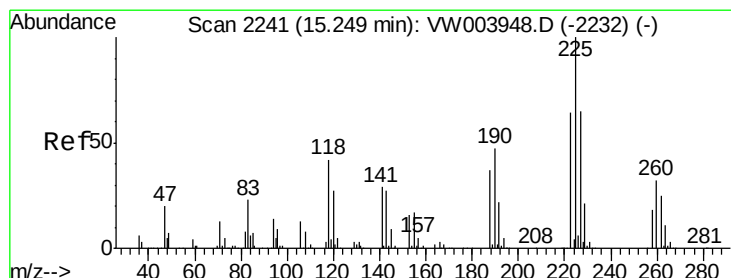
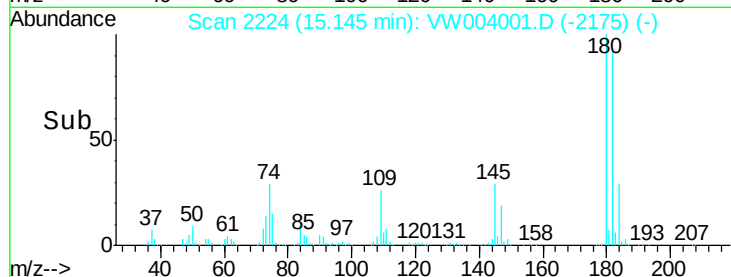
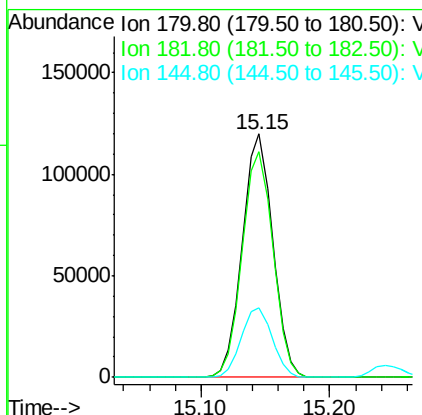
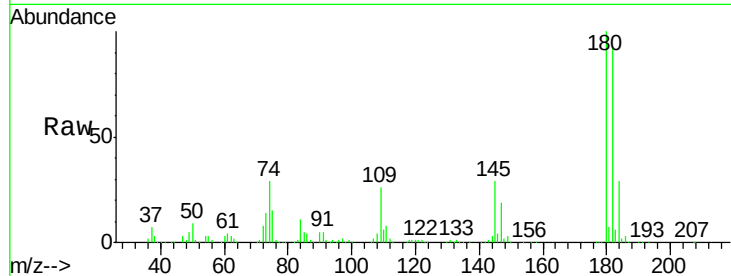
#93
1,2,4-Trichlorobenzene
Concen: 50.28 ug/l
RT: 15.15 min Scan# 2224
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	195321		
182	94.0	46.9	140.8	
145	29.5	15.0	45.0	

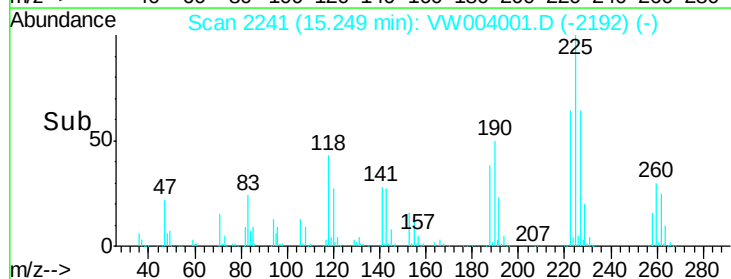
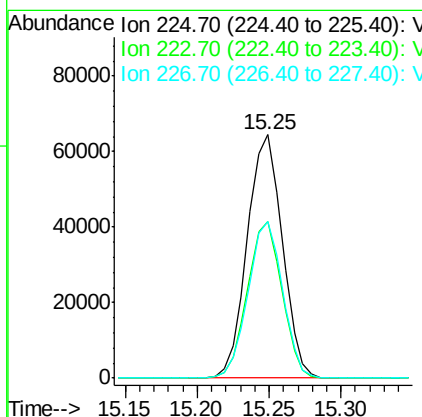
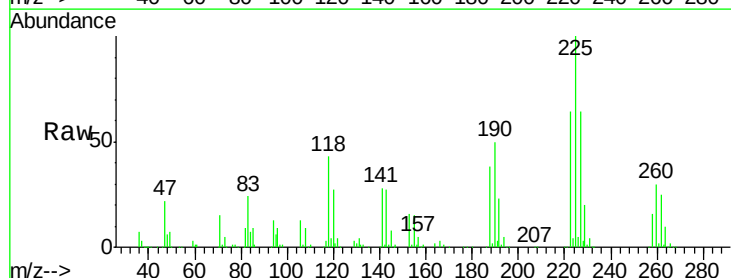
Manual Integrations
APPROVED

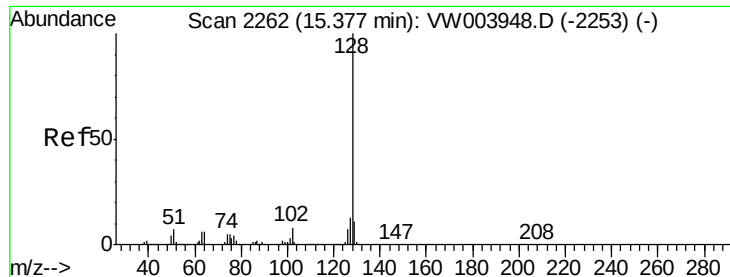
apatel
7/18/2018 12:29:22 PM



#94
Hexachlorobutadiene
Concen: 48.53 ug/l
RT: 15.25 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW004001.D
Acq: 17 Jul 2018 23:33

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108270		
223	63.4	32.0	96.2	
227	63.2	32.3	96.9	





#95

Naphthalene

Concen: 53.09 ug/l

RT: 15.38 min Scan# 2262

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Instrument :

MSVOA_W

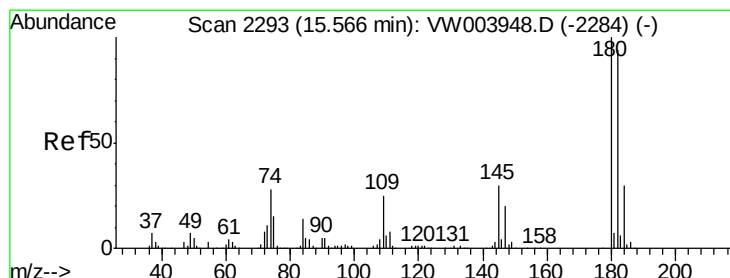
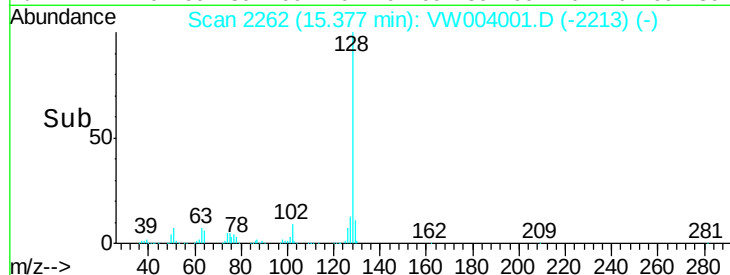
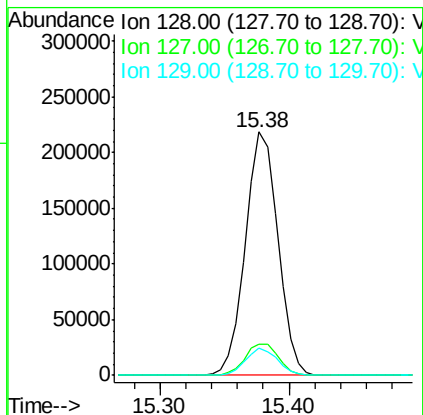
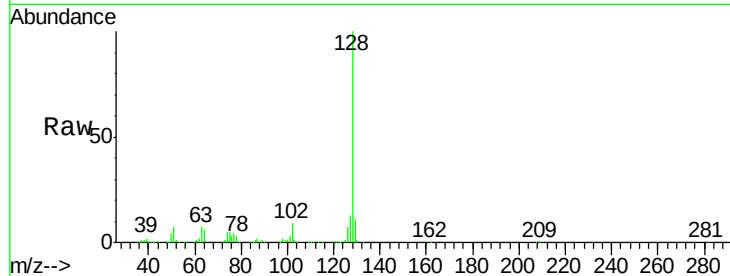
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	380647
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.7	16.1
129	10.8	8.7	13.1

Manual Integrations
APPROVED

apatel
7/18/2018 12:29:22 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.91 ug/l

RT: 15.57 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VW004001.D

Acq: 17 Jul 2018 23:33

Tgt Ion:	180	Resp:	178540
Ion Ratio	Lower	Upper	
180	100		
182	93.7	47.5	142.6
145	31.7	15.8	47.4

