

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011419\
 Data File : VW008238.D
 Acq On : 14 Jan 2019 10:59
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

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 1/15/2019 2:08:34 PM

Quant Time: Jan 14 21:21:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W010819S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 09 04:40:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	113418	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	179856	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	164831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	83385	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	54353	42.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.28%	
35) Dibromofluoromethane	7.88	113	54941	52.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.76%	
50) Toluene-d8	10.32	98	223239	50.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.42%	
62) 4-Bromofluorobenzene	12.62	95	76517	48.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	41131	44.435	ug/l	95
3) Chloromethane	2.21	50	48207	40.143	ug/l	98
4) Vinyl Chloride	2.37	62	69867	44.577	ug/l	98
5) Bromomethane	2.79	94	50448	42.967	ug/l	92
6) Chloroethane	2.93	64	47769	40.503	ug/l	98
7) Trichlorofluoromethane	3.26	101	58535	45.938	ug/l	99
8) Diethyl Ether	3.68	74	30680	42.591	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.06	101	58221	46.021	ug/l	97
10) Methyl Iodide	4.26	142	84792	45.988	ug/l	100
11) Tert butyl alcohol	5.22	59	14268	174.479	ug/l #	100
12) 1,1-Dichloroethene	4.03	96	55711	44.854	ug/l	97
13) Acrolein	3.90	56	17155	201.856	ug/l	96
14) Allyl chloride	4.67	41	98596	43.722	ug/l	98
15) Acrylonitrile	5.38	53	57345	209.102	ug/l	100
16) Acetone	4.13	43	61453	269.883	ug/l	98
17) Carbon Disulfide	4.37	76	172686	44.506	ug/l	99
18) Methyl Acetate	4.67	43	35302	43.818	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	82814	41.013	ug/l	97
20) Methylene Chloride	4.91	84	59647	47.262	ug/l	94
21) trans-1,2-Dichloroethene	5.42	96	62653	46.418	ug/l	91
22) Diisopropyl ether	6.31	45	193550	45.003	ug/l	98
23) Vinyl Acetate	6.26	43	489483	216.703	ug/l	98
24) 1,1-Dichloroethane	6.21	63	114780	45.804	ug/l	97
25) 2-Butanone	7.18	43	77552	218.661	ug/l	100
26) 2,2-Dichloropropane	7.16	77	76374	44.981	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	67522	45.851	ug/l	96
28) Bromochloromethane	7.51	49	44400	44.796	ug/l	93
29) Tetrahydrofuran	7.54	42	48918	206.481	ug/l	100
30) Chloroform	7.68	83	114002	47.795	ug/l	98
31) Cyclohexane	7.95	56	112400	41.899	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	98068	47.252	ug/l	100
36) 1,1-Dichloropropene	8.08	75	93650	50.548	ug/l	98
37) Ethyl Acetate	7.25	43	31537	42.489	ug/l	99
38) Carbon Tetrachloride	8.07	117	90638	53.451	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	115385	49.117	ug/l	96
40) Benzene	8.32	78	260315	51.803	ug/l	100
41) Methacrylonitrile	7.48	41	18981	40.482	ug/l	95
42) 1,2-Dichloroethane	8.40	62	67649	47.865	ug/l	97
43) Isopropyl Acetate	8.42	43	64822	43.679	ug/l	98
44) Trichloroethene	9.09	130	68529	53.274	ug/l	99
45) 1,2-Dichloropropane	9.37	63	64663	51.897	ug/l	96
46) Dibromomethane	9.46	93	30815	50.358	ug/l	93
47) Bromodichloromethane	9.65	83	81486	52.444	ug/l	99
48) Methyl methacrylate	9.43	41	32849	46.910	ug/l	97
49) 1,4-Dioxane	9.48	88	9043	918.938	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	158639	220.836	ug/l	99
52) Toluene	10.39	92	166709	51.947	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	79804	49.377	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	95403	49.779	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	43686	50.849	ug/l	98
56) Ethyl methacrylate	10.65	69	51801	48.687	ug/l	97
57) 1,3-Dichloropropane	10.93	76	78541	49.987	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	124471	226.481	ug/l	97
59) 2-Hexanone	10.97	43	118181	243.278	ug/l	98
60) Dibromochloromethane	11.13	129	53174	56.363	ug/l	99
61) 1,2-Dibromoethane	11.23	107	41796	51.271	ug/l	99
64) Tetrachloroethene	10.86	164	58483	54.519	ug/l	96
65) Chlorobenzene	11.66	112	178526	51.123	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.73	131	61778	54.391	ug/l	98
67) Ethyl Benzene	11.73	91	322297	50.441	ug/l	99
68) m/p-Xylenes	11.84	106	250518	102.722	ug/l	98
69) o-Xylene	12.17	106	116281	51.487	ug/l	96
70) Styrene	12.18	104	185437	52.421	ug/l	98
71) Bromoform	12.35	173	28525	56.115	ug/l #	97
73) Isopropylbenzene	12.47	105	323579	49.428	ug/l	99
74) N-amyl acetate	12.27	43	60638	41.826	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	47596	45.422	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	35625m	46.866	ug/l	
77) Bromobenzene	12.75	156	70895	51.252	ug/l	88
78) n-propylbenzene	12.81	91	389541	48.563	ug/l	99
79) 2-Chlorotoluene	12.90	91	212579	47.502	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	262477	48.791	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.52	75	14621	44.791	ug/l	99
82) 4-Chlorotoluene	12.99	91	223824	47.488	ug/l	98
83) tert-Butylbenzene	13.21	119	235319	49.444	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	264605	47.690	ug/l	99
85) sec-Butylbenzene	13.39	105	336849	48.317	ug/l	98
86) p-Isopropyltoluene	13.50	119	294182	48.865	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	143300	51.069	ug/l	97
88) 1,4-Dichlorobenzene	13.58	146	141066	50.108	ug/l	98
89) n-Butylbenzene	13.83	91	283227	48.034	ug/l	99
90) Hexachloroethane	14.10	117	52465	51.594	ug/l	88
91) 1,2-Dichlorobenzene	13.88	146	122934	49.851	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	6885	40.828	ug/l	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	86000	52.527	ug/l	96
94) Hexachlorobutadiene	15.24	225	50176	57.258	ug/l	98
95) Naphthalene	15.37	128	142616	46.651	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	73516	52.673	ug/l	97

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

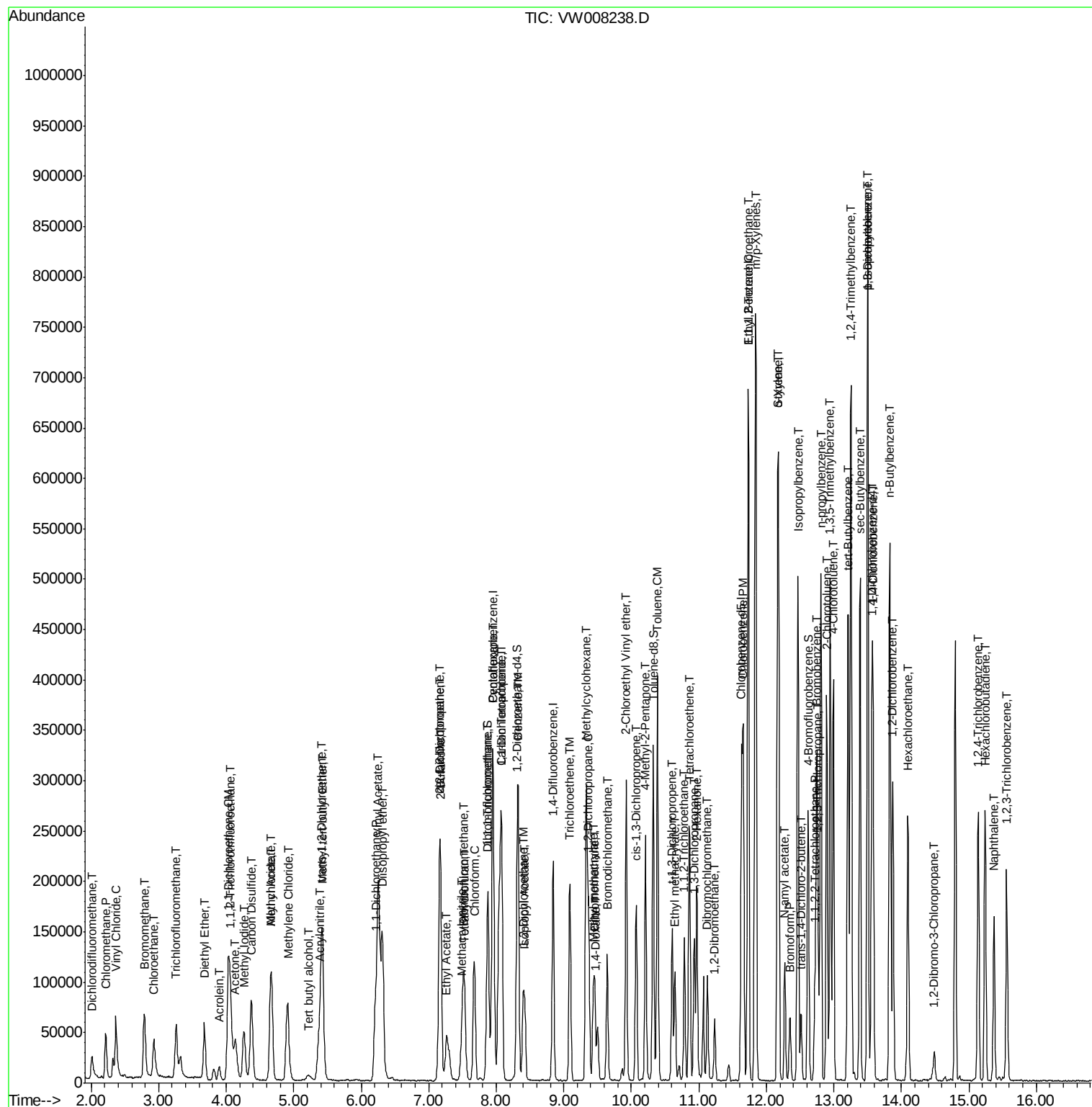
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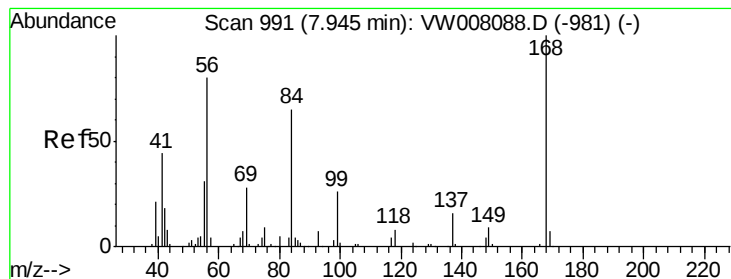
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 113418

Ion Ratio Lower Upper

168 100

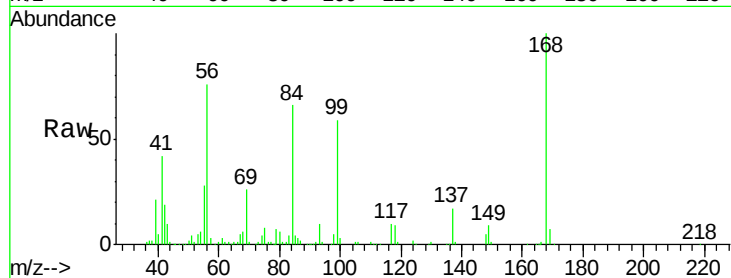
99 59.2 52.6 78.8

Manual Integrations

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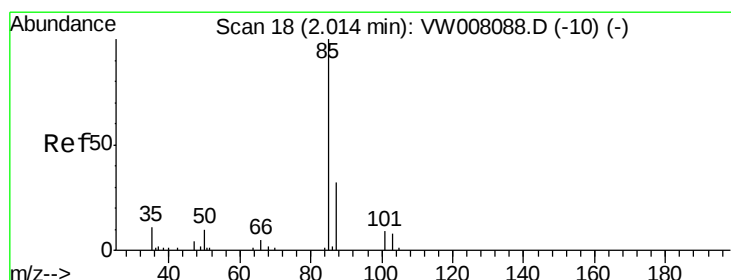
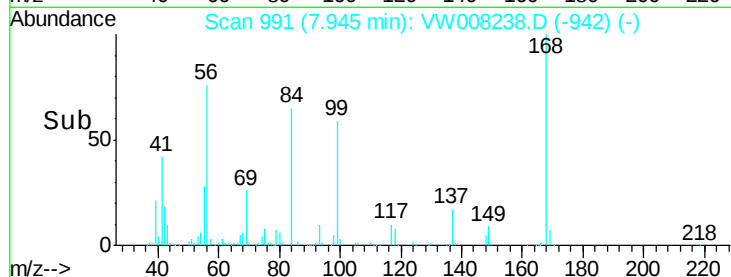
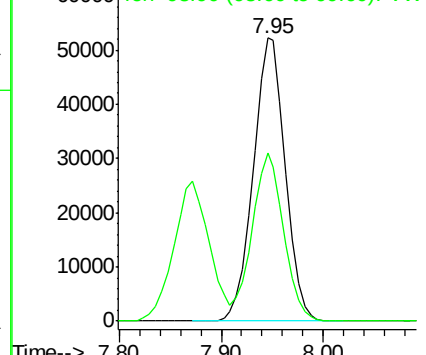
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 44.435 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008238.D

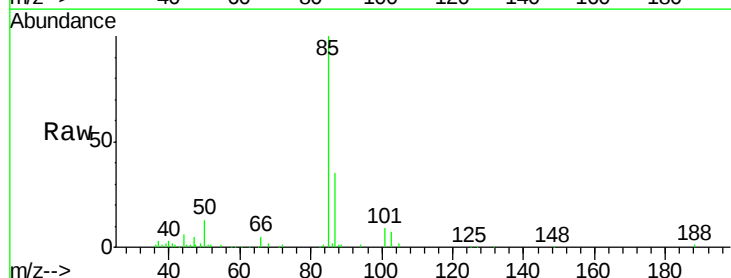
Acq: 14 Jan 2019 10:59

Tgt Ion: 85 Resp: 41131

Ion Ratio Lower Upper

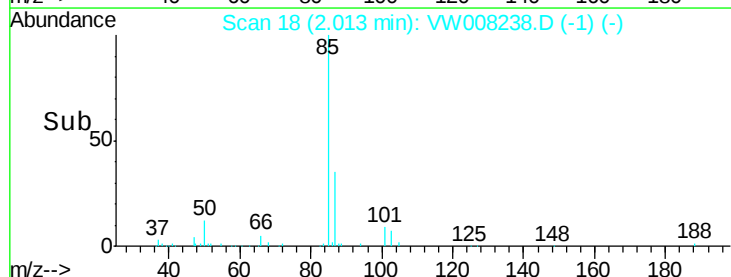
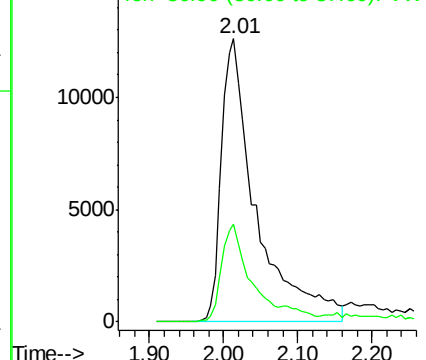
85 100

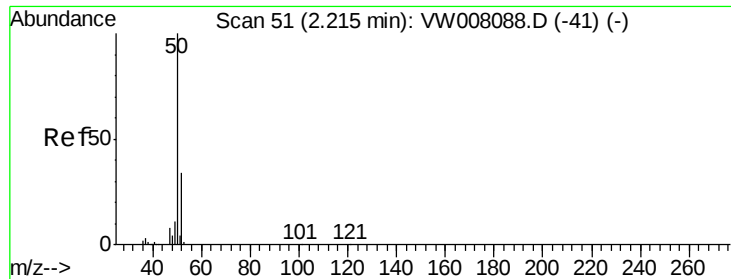
87 34.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 40.143 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 48207

Ion Ratio Lower Upper

50 100

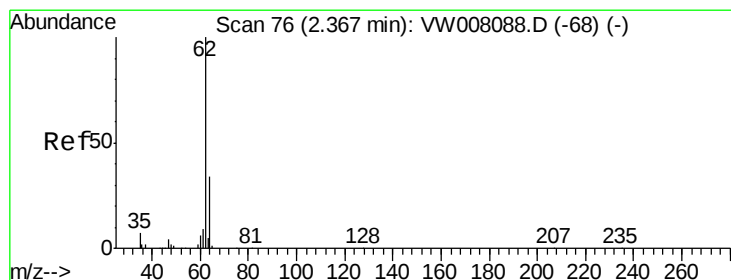
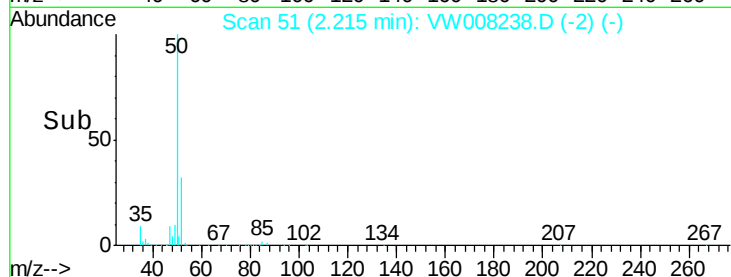
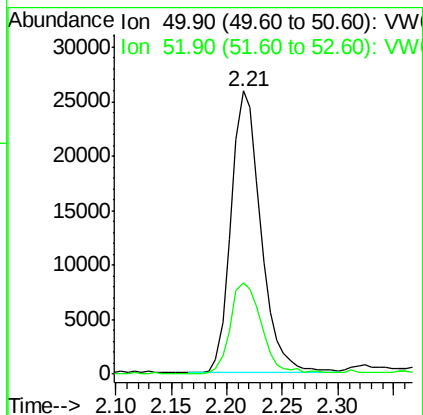
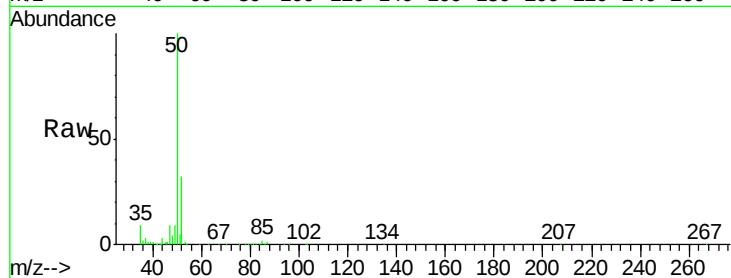
52 32.5 26.8 40.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.577 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008238.D

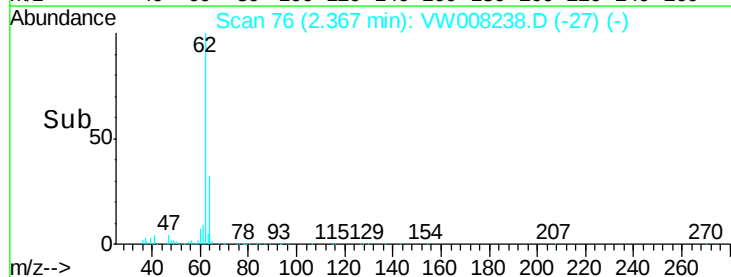
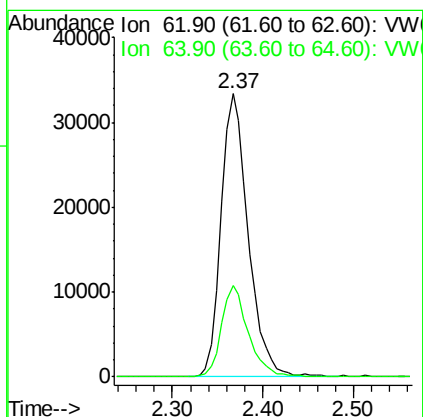
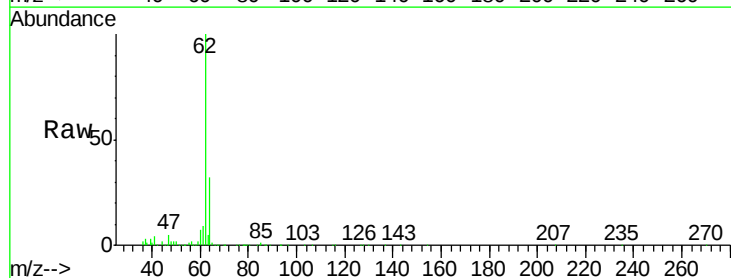
Acq: 14 Jan 2019 10:59

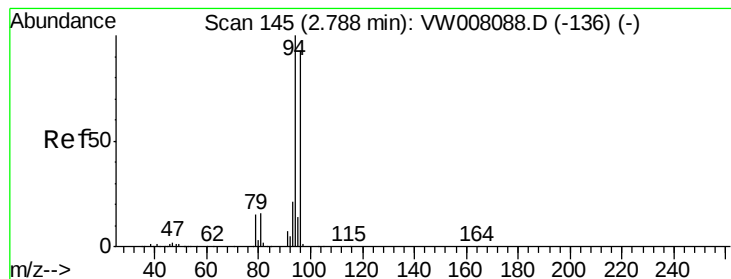
Tgt Ion: 62 Resp: 69867

Ion Ratio Lower Upper

62 100

64 32.5 27.0 40.6





#5

Bromomethane

Concen: 42.967 ug/l

RT: 2.79 min Scan# 145

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

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ClientSampleId :

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Tot Ion: 94 Resp: 50448

Ion Ratio Lower Upper

94 100

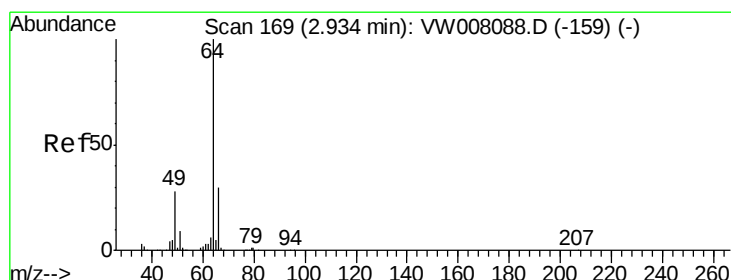
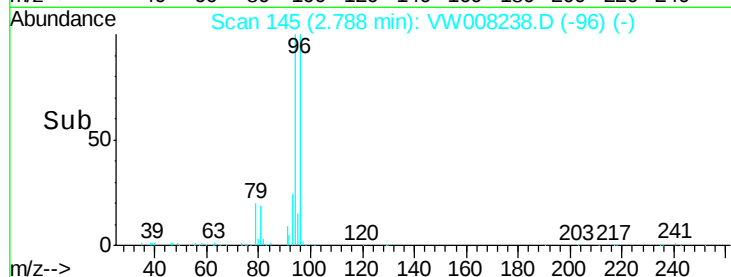
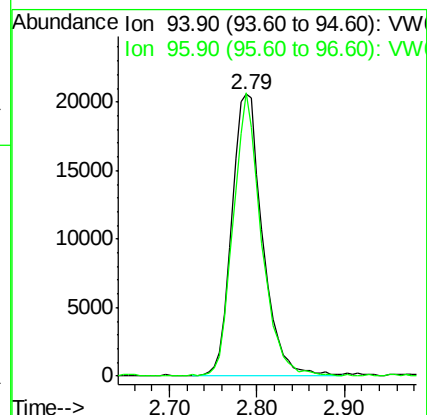
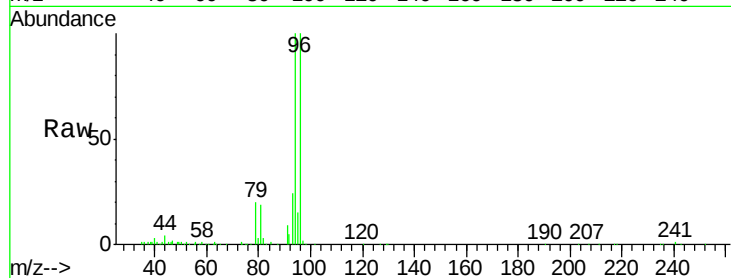
96 100.1 74.1 111.1

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#6

Chloroethane

Concen: 40.503 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008238.D

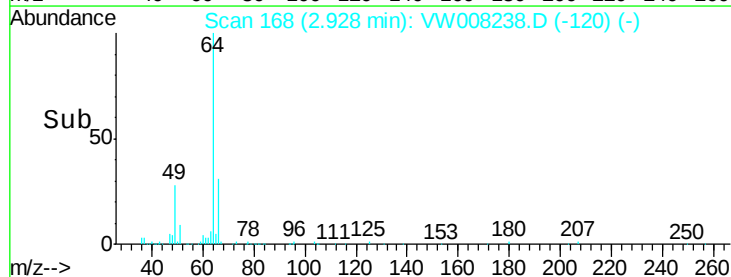
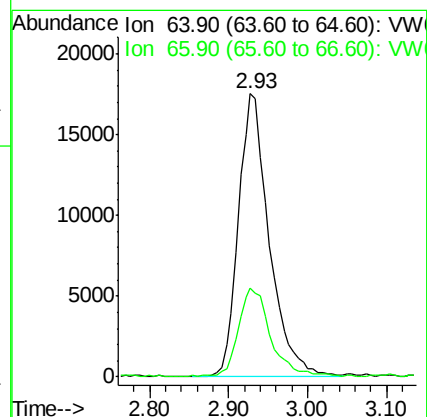
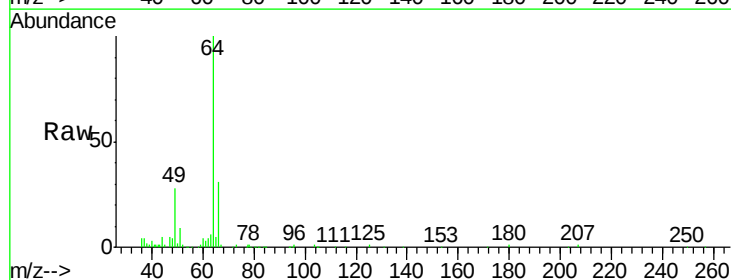
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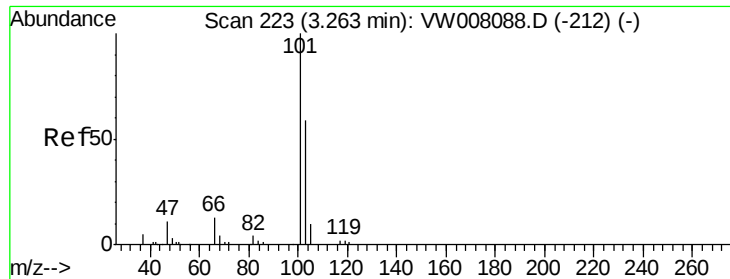
Tgt Ion: 64 Resp: 47769

Ion Ratio Lower Upper

64 100

66 31.2 24.2 36.2





#7

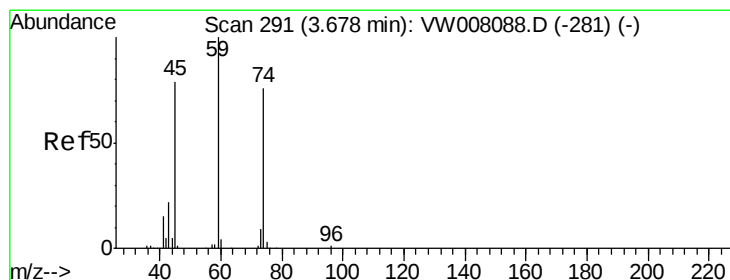
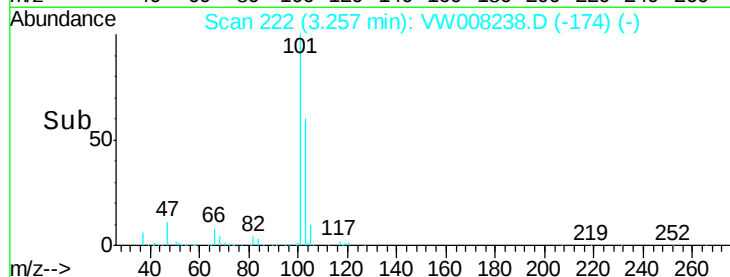
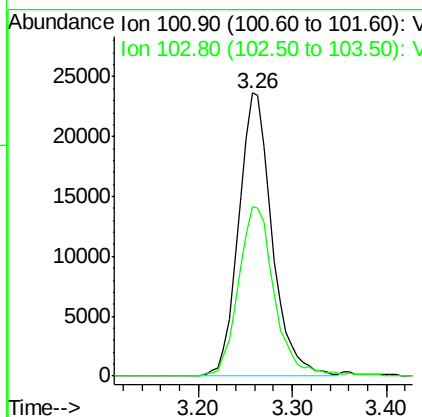
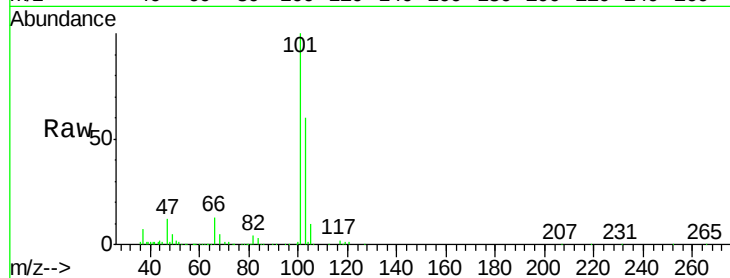
Trichlorofluoromethane
Concen: 45.938 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW008238.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	59.7	47.0	70.6

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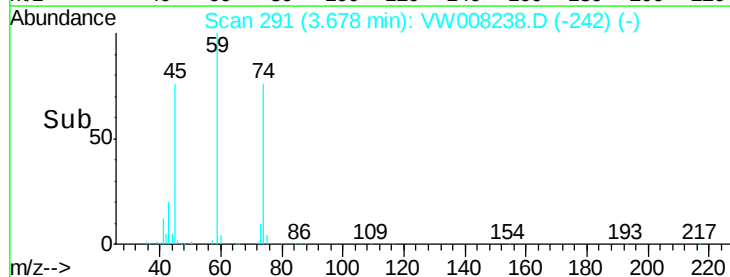
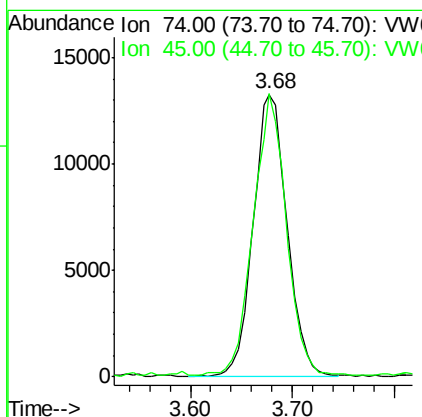
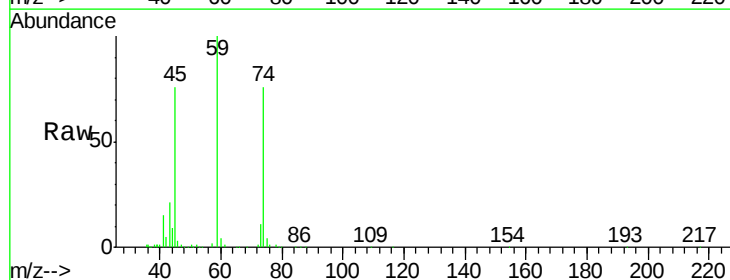
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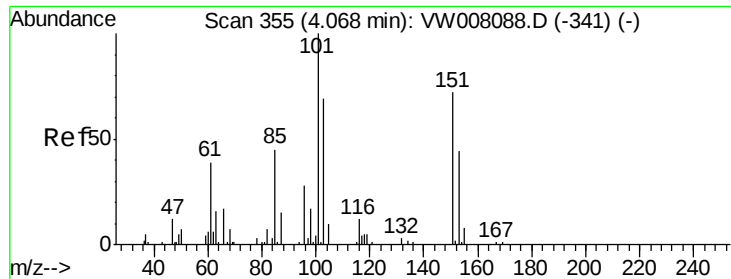


#8

Diethyl Ether
Concen: 42.591 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.00 min
Lab File: VW008238.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	96.8	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.021 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

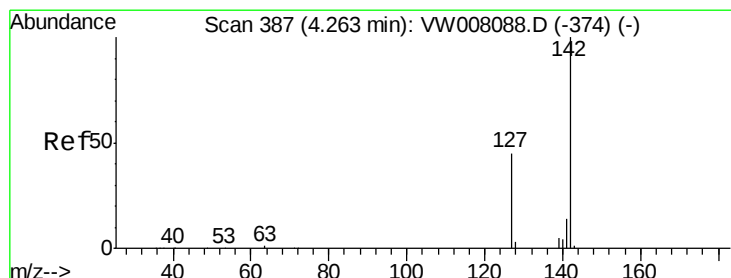
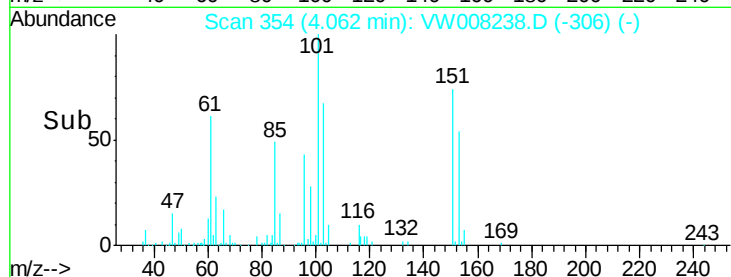
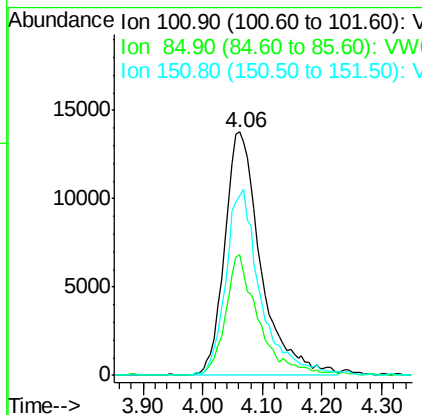
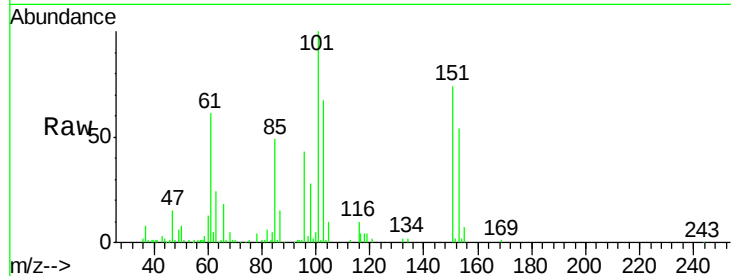
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	58221
Ion Ratio	Lower	Upper	
101	100		
85	45.9	35.9	53.9
151	72.6	55.8	83.8

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#10

Methyl Iodide

Concen: 45.988 ug/l

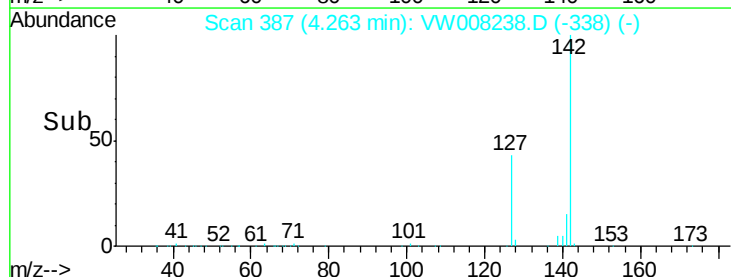
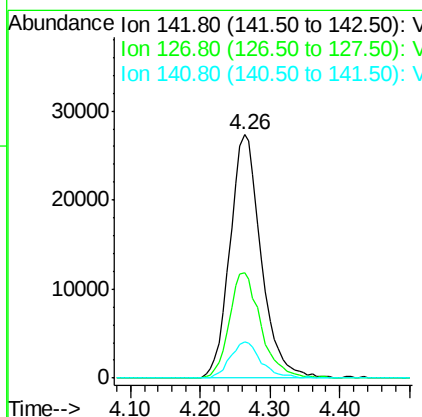
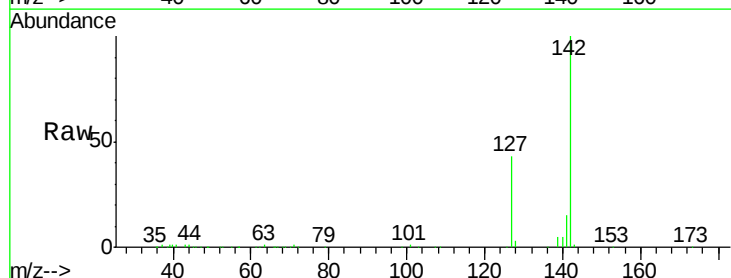
RT: 4.26 min Scan# 387

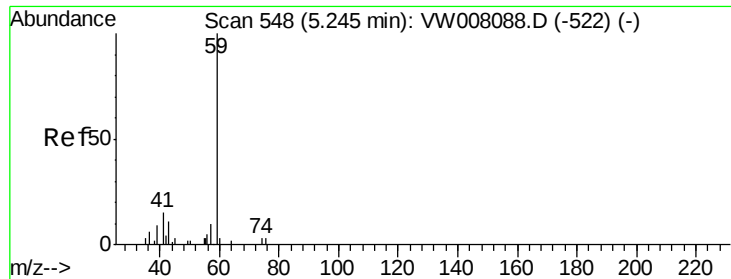
Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	142	Resp:	84792
Ion Ratio	Lower	Upper	
142	100		
127	44.0	35.0	52.4
141	14.7	11.8	17.6





#11

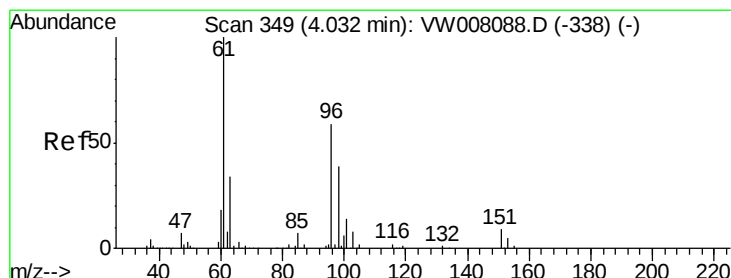
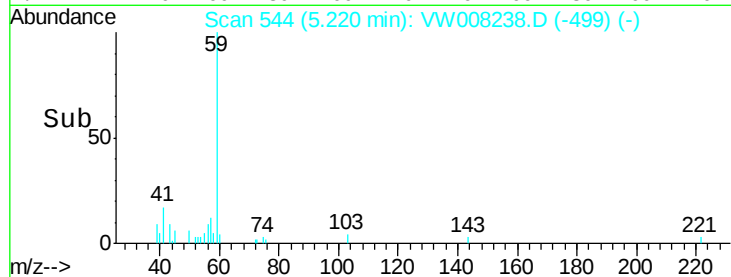
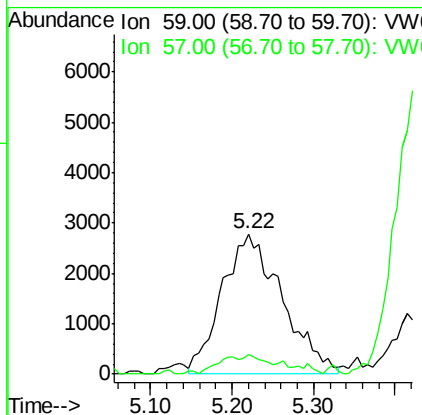
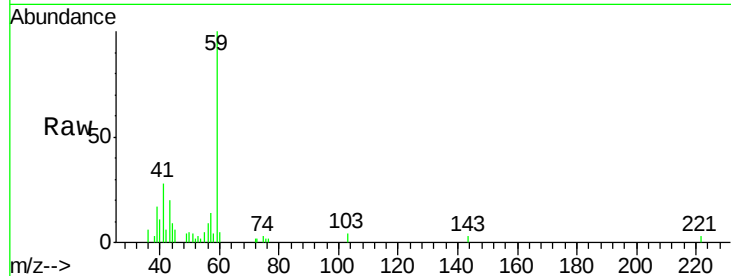
Tert butyl alcohol
Concen: 174.479 ug/l
RT: 5.22 min Scan# 544
Delta R.T. -0.02 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	4.8	0.0	0.0#

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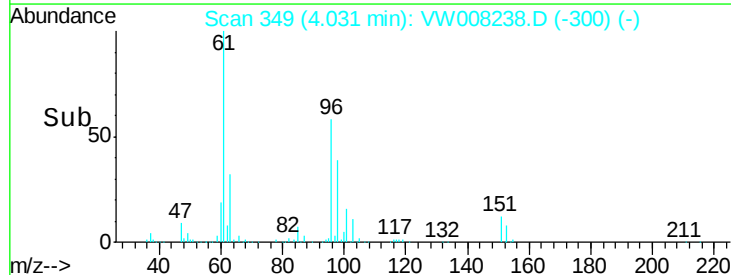
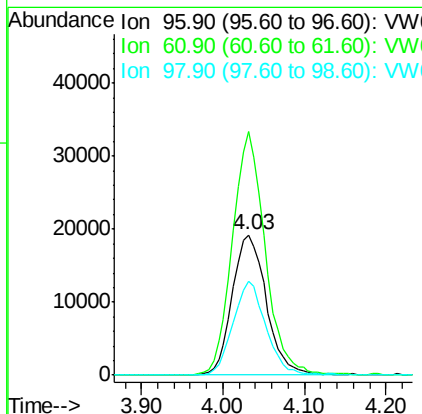
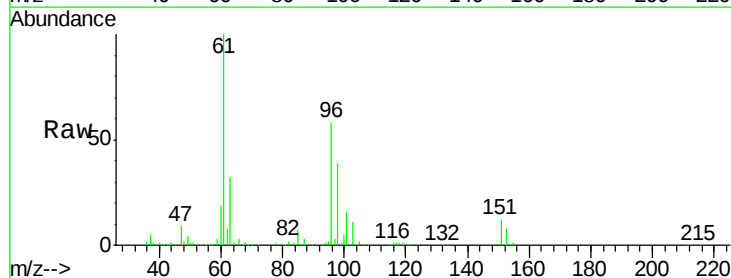
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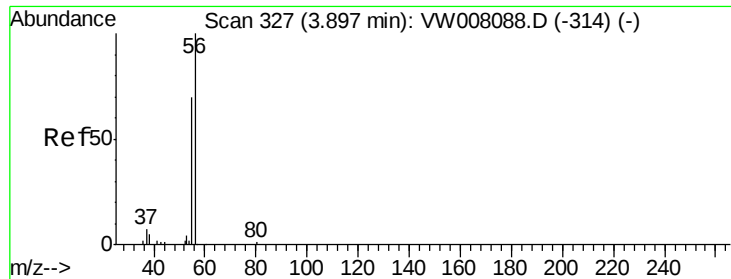


#12

1,1-Dichloroethene
Concen: 44.854 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
96	100		
61	173.2	135.4	203.2
98	66.8	52.5	78.7





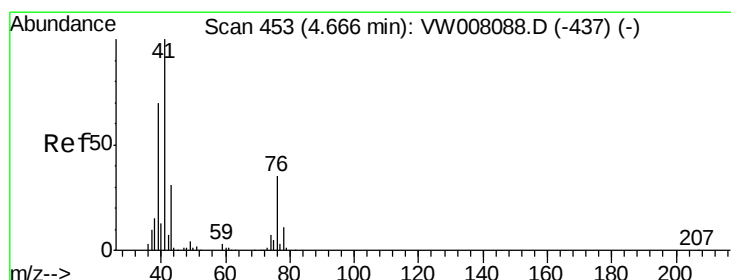
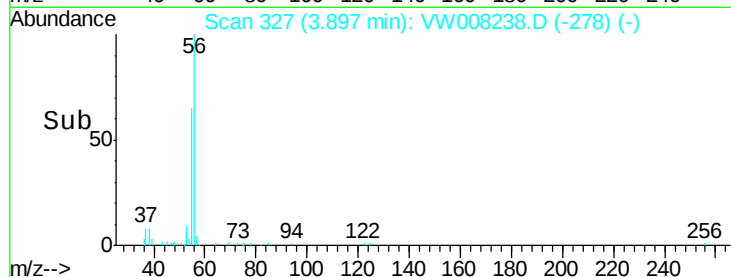
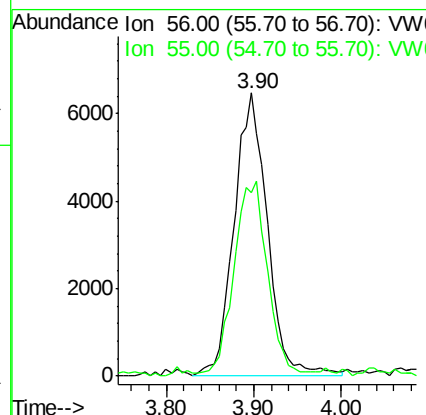
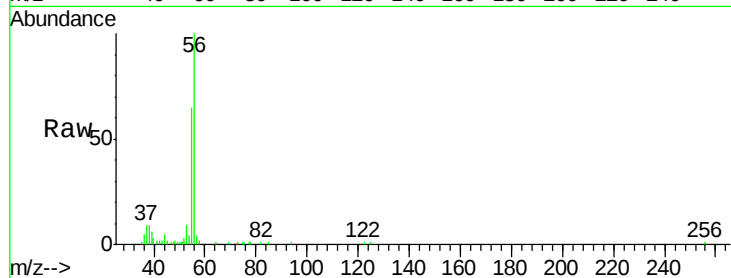
#13
Acrolein
Concen: 201.856 ug/l
RT: 3.90 min Scan# 327
Delta R.T. 0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
55	67.2	56.6	84.8

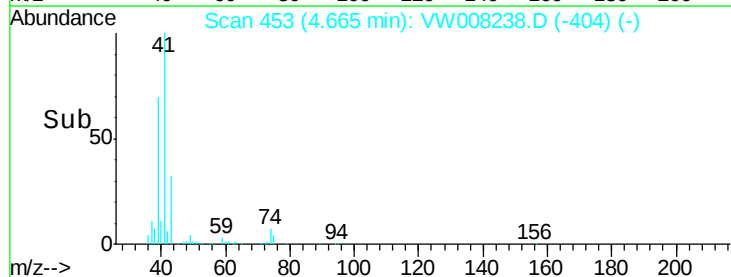
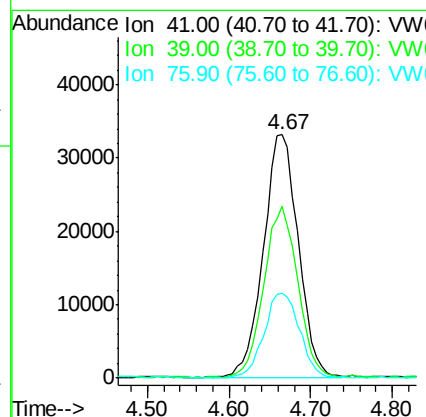
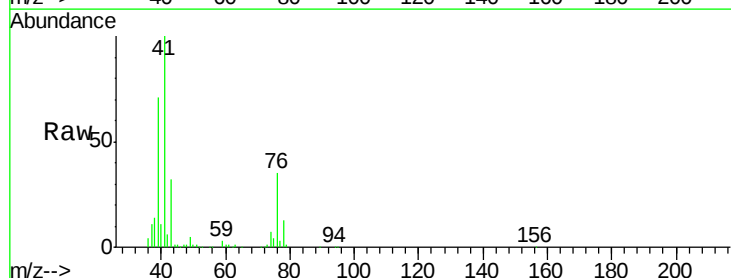
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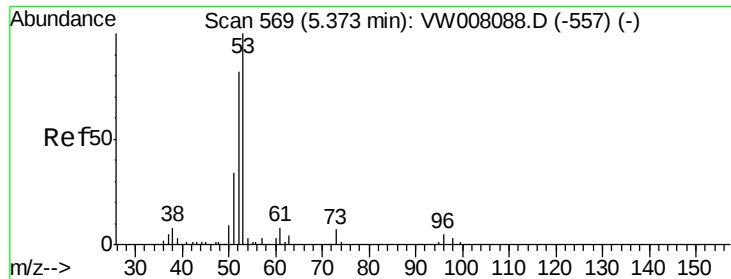
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#14
Allyl chloride
Concen: 43.722 ug/l
RT: 4.67 min Scan# 453
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
41	100		
39	68.2	53.8	80.8
76	35.8	27.6	41.4





#15

Acrylonitrile

Concen: 209.102 ug/l

RT: 5.38 min Scan# 570

Delta R.T. 0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

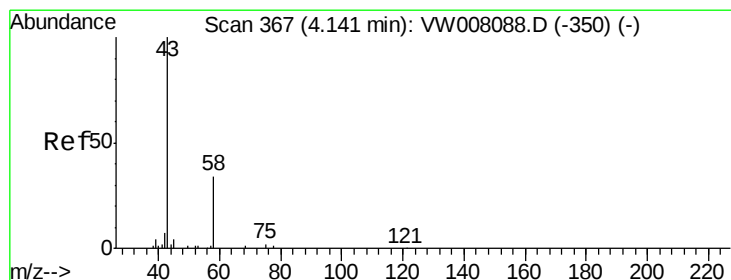
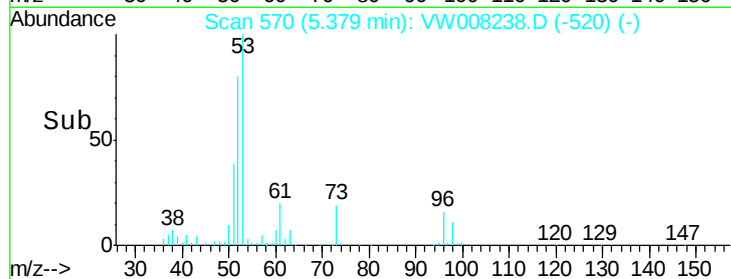
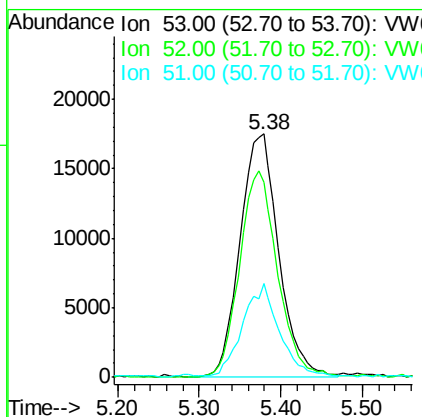
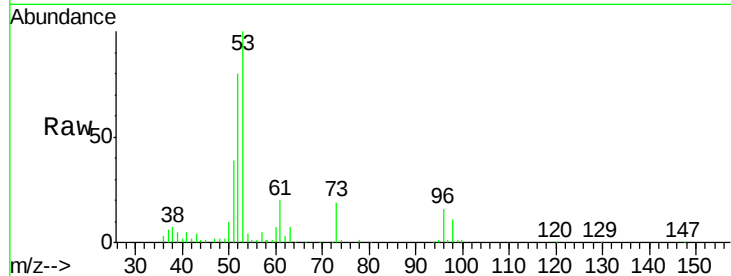
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	57345
Ion	Ratio	Lower	Upper
53	100		
52	83.9	66.8	100.2
51	36.8	29.7	44.5

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#16

Acetone

Concen: 269.883 ug/l

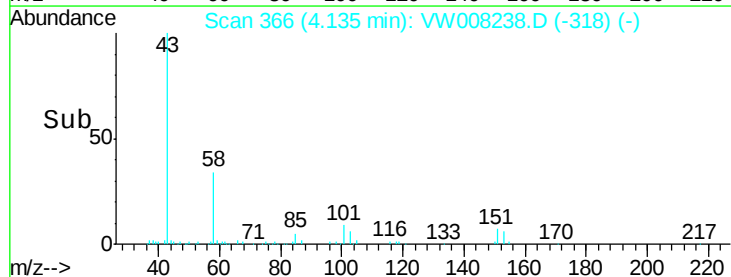
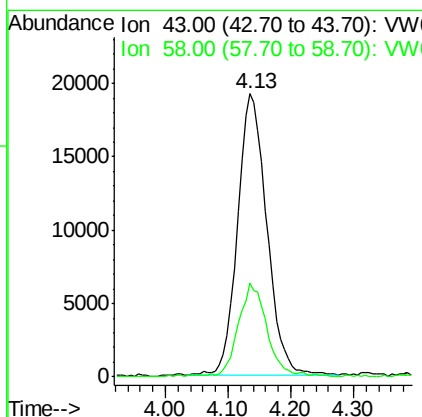
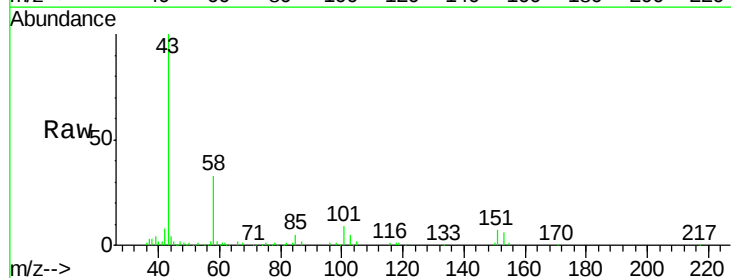
RT: 4.13 min Scan# 366

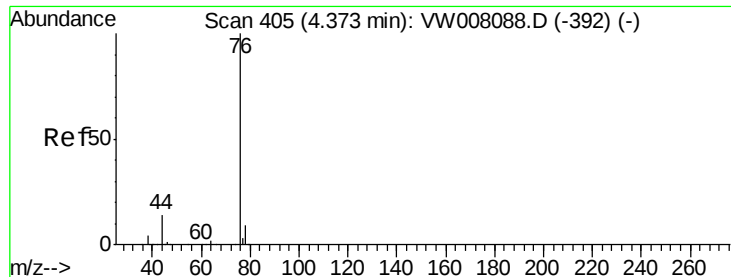
Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	43	Resp:	61453
Ion	Ratio	Lower	Upper
43	100		
58	33.2	27.5	41.3





#17

Carbon Disulfide

Concen: 44.506 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 172686

Ion Ratio Lower Upper

76 100

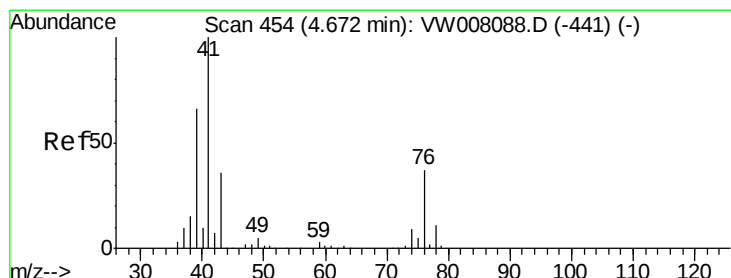
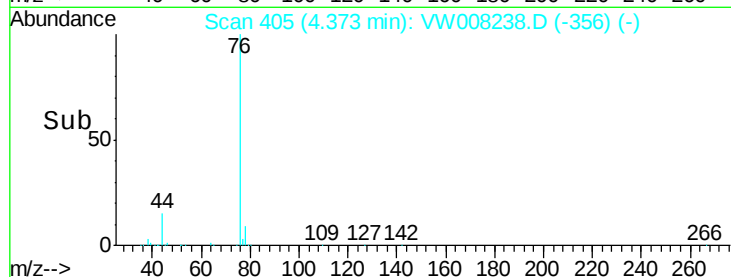
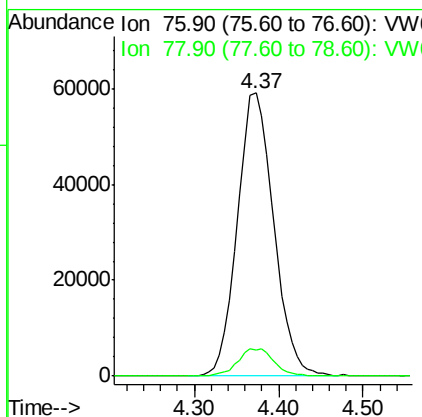
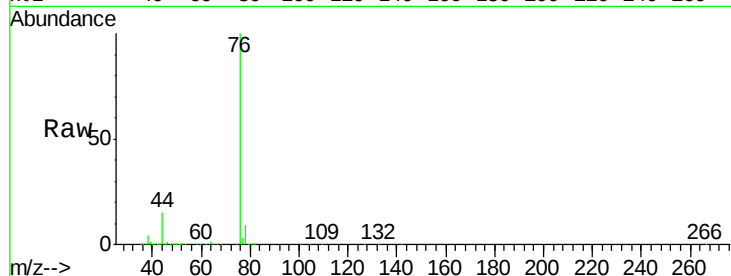
78 9.2 7.0 10.6

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#18

Methyl Acetate

Concen: 43.818 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008238.D

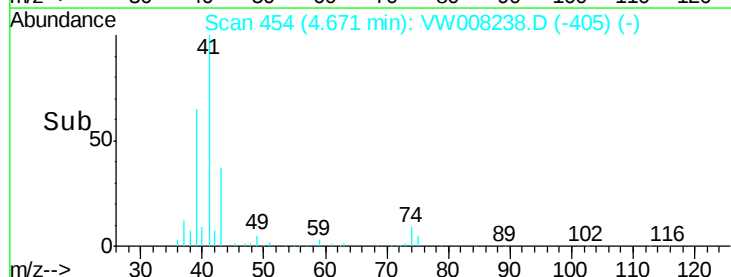
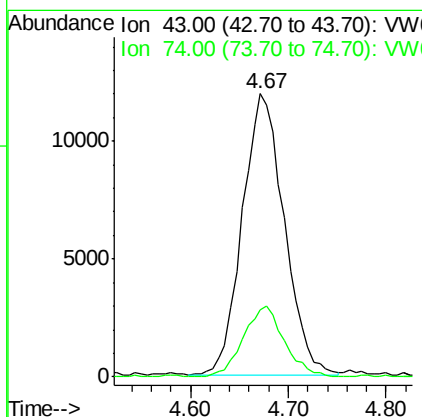
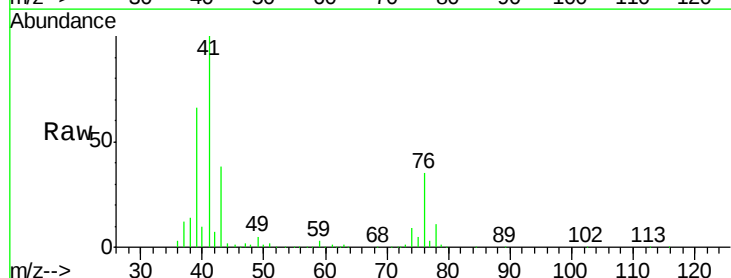
Acq: 14 Jan 2019 10:59

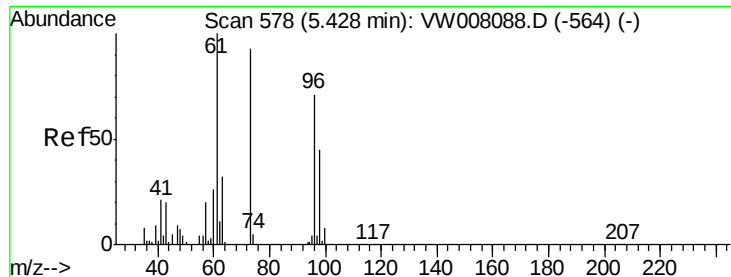
Tgt Ion: 43 Resp: 35302

Ion Ratio Lower Upper

43 100

74 24.7 19.0 28.4





#19

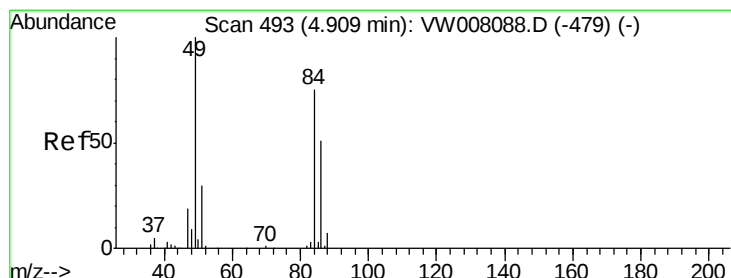
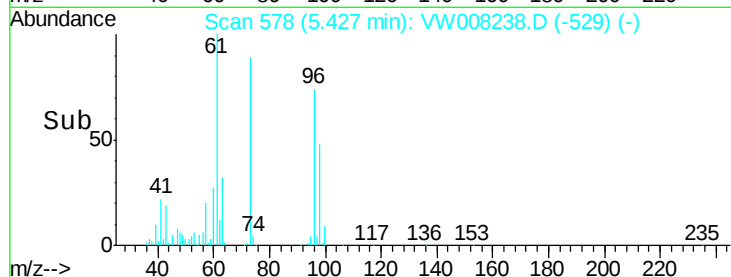
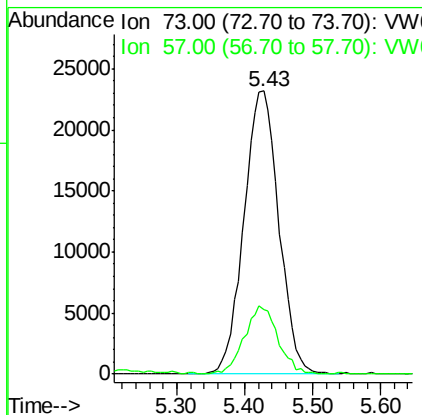
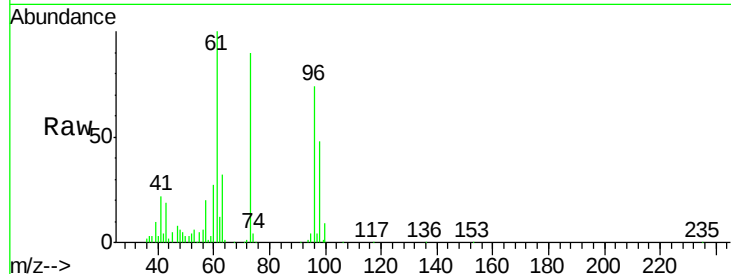
Methyl tert-butyl Ether
 Concen: 41.013 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.2	16.7	25.1

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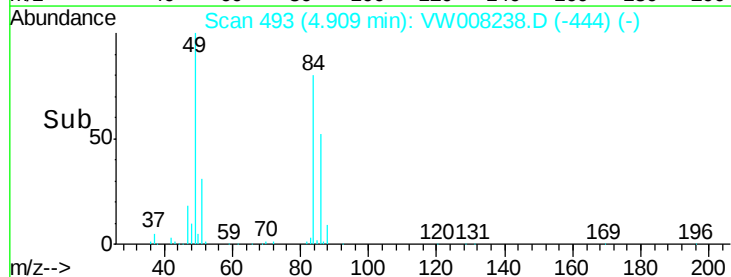
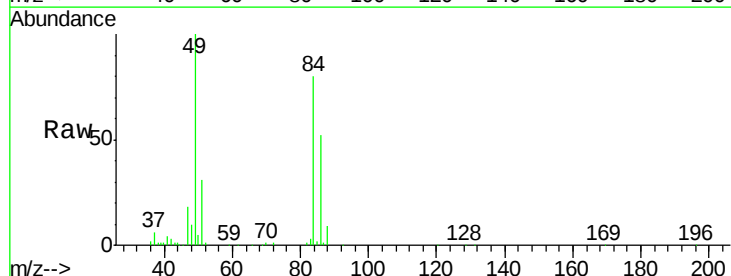
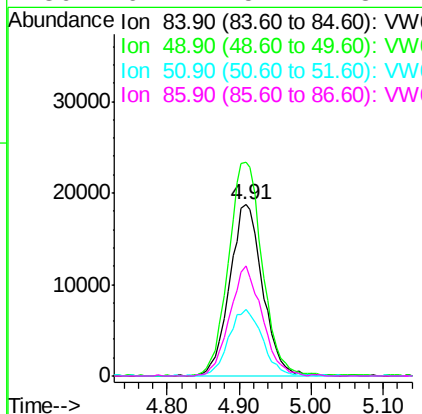
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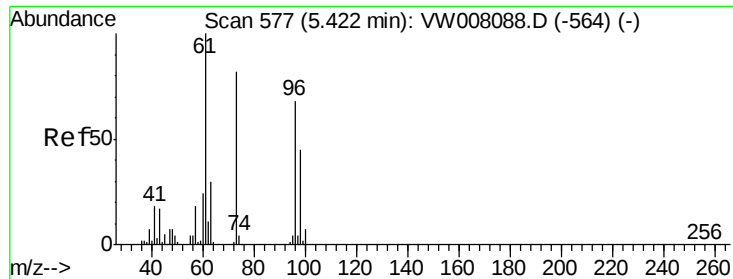


#20

Methylene Chloride
 Concen: 47.262 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. 0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
84	100		
49	124.5	107.1	160.7
51	38.3	32.4	48.6
86	64.4	54.2	81.4





#21

trans-1,2-Dichloroethene

Concen: 46.418 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

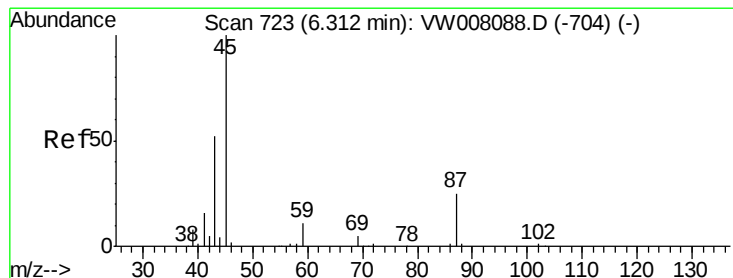
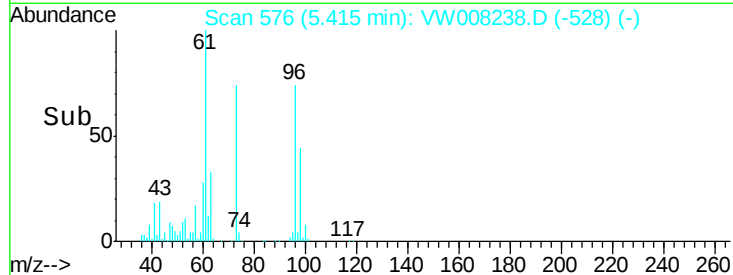
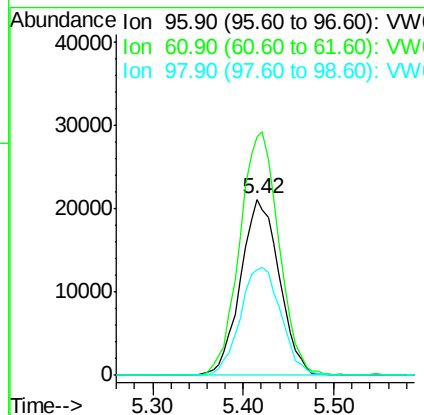
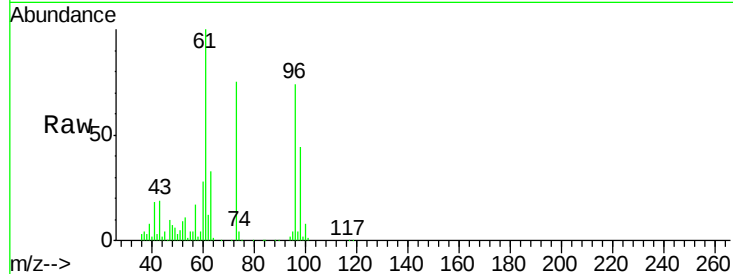
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	62653
Ion	Ratio	Lower	Upper
96	100		
61	135.0	117.4	176.0
98	59.9	52.2	78.4

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#22

Diisopropyl ether

Concen: 45.003 ug/l

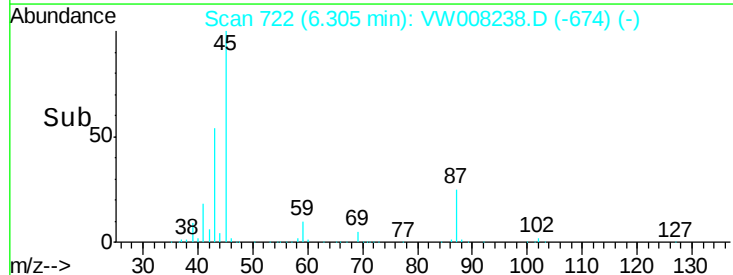
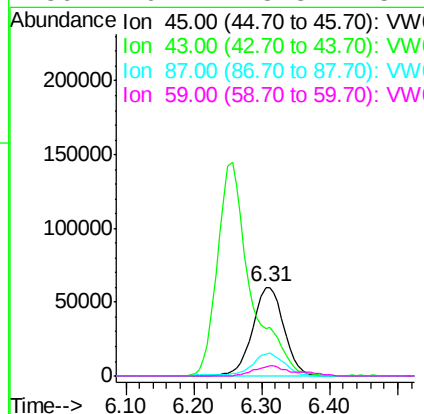
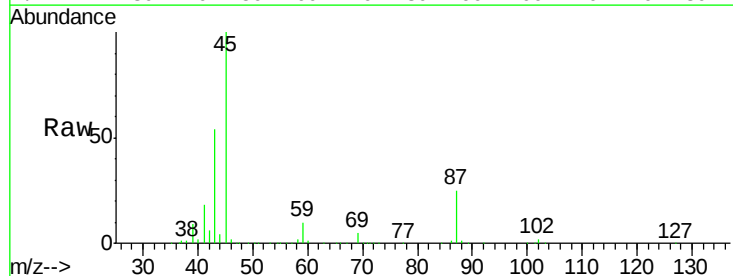
RT: 6.31 min Scan# 722

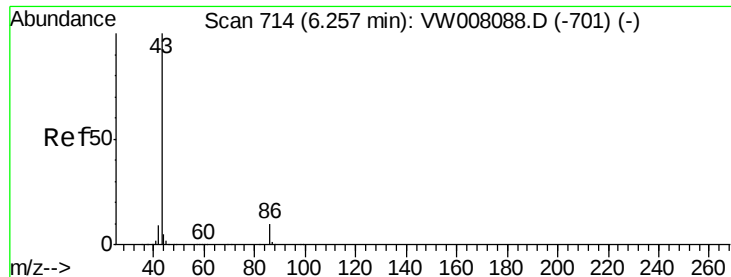
Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	45	Resp:	193550
Ion	Ratio	Lower	Upper
45	100		
43	53.5	41.7	62.5
87	25.2	20.1	30.1
59	10.2	8.8	13.2





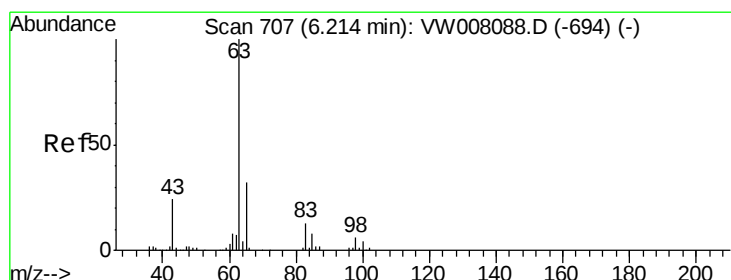
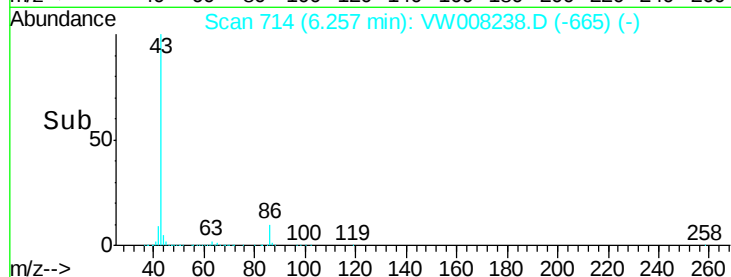
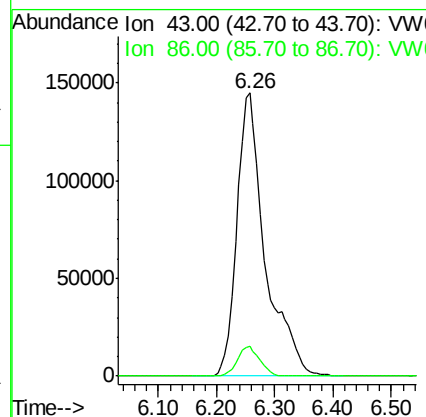
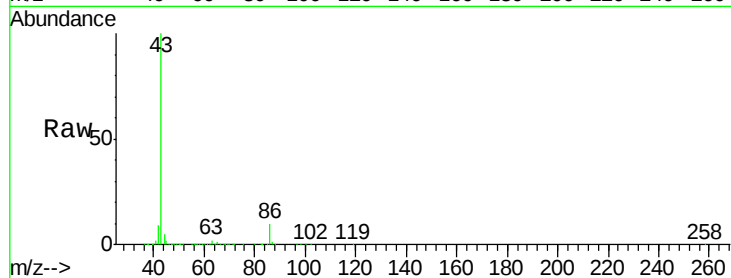
#23
 Vinyl Acetate
 Concen: 216.703 ug/l
 RT: 6.26 min Scan# 714
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
86	10.5	7.7	11.5

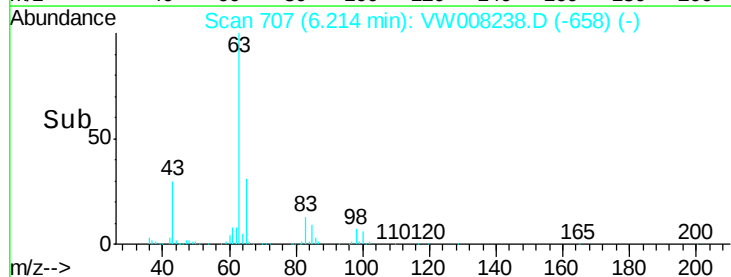
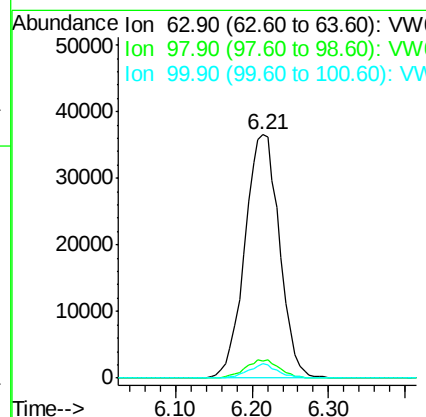
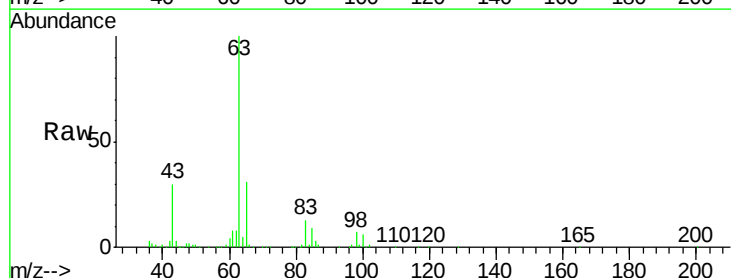
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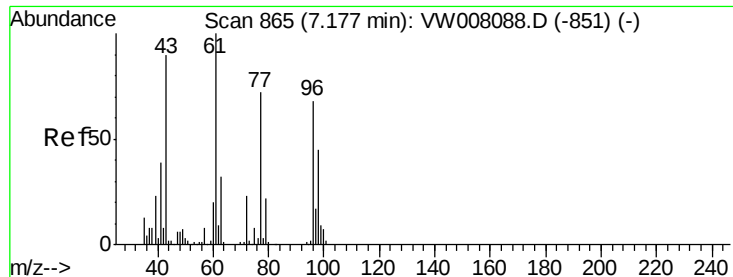
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#24
 1,1-Dichloroethane
 Concen: 45.804 ug/l
 RT: 6.21 min Scan# 707
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
63	100		
98	6.9	3.2	9.6
100	6.0	2.0	6.0





#25

2-Butanone

Concen: 218.661 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 77552

Ion Ratio Lower Upper

43 100

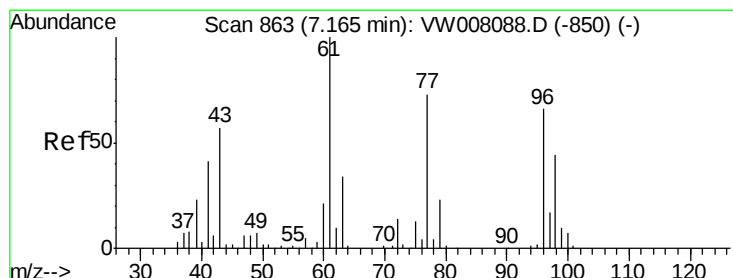
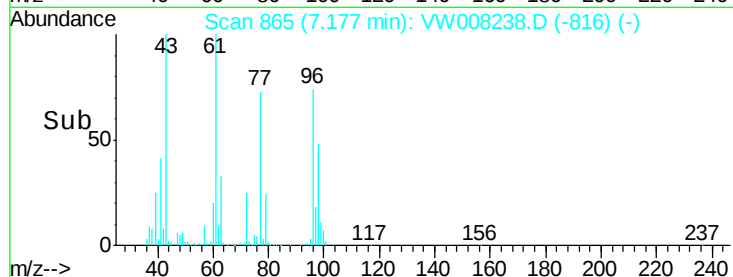
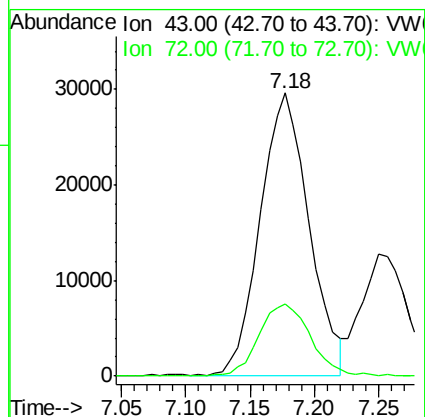
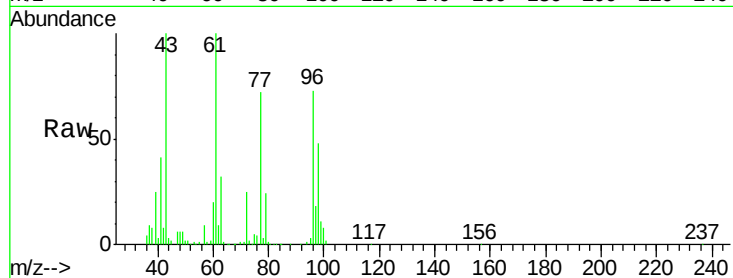
72 25.5 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 44.981 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008238.D

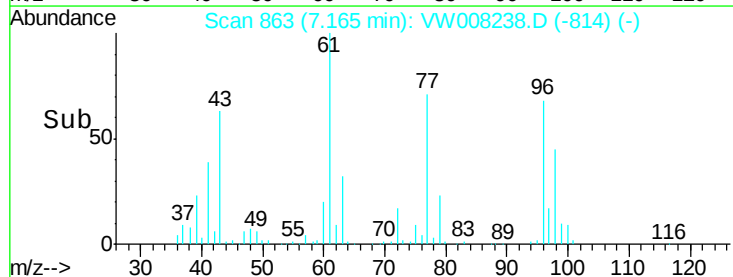
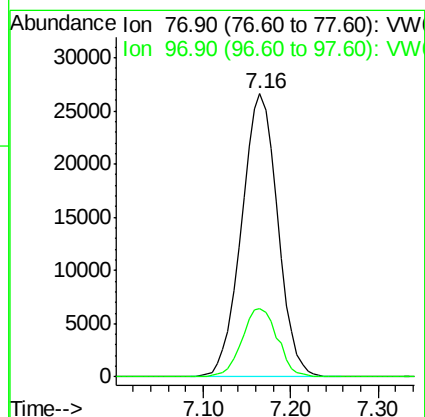
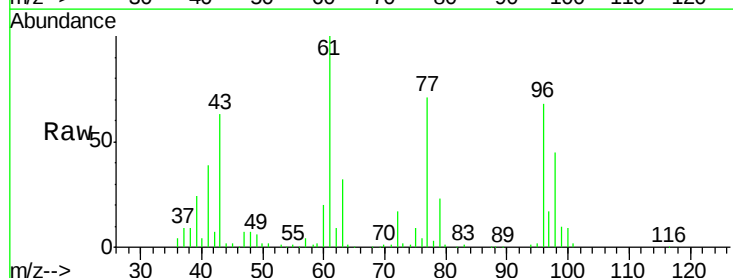
Acq: 14 Jan 2019 10:59

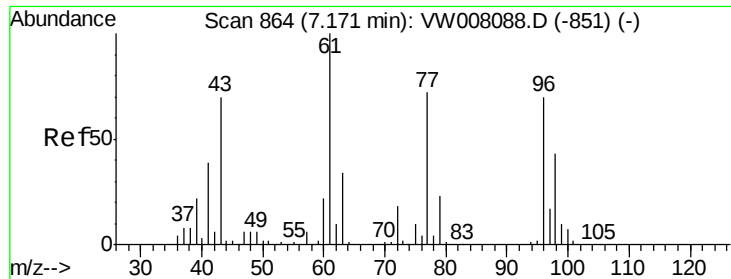
Tgt Ion: 77 Resp: 76374

Ion Ratio Lower Upper

77 100

97 24.0 11.4 34.1





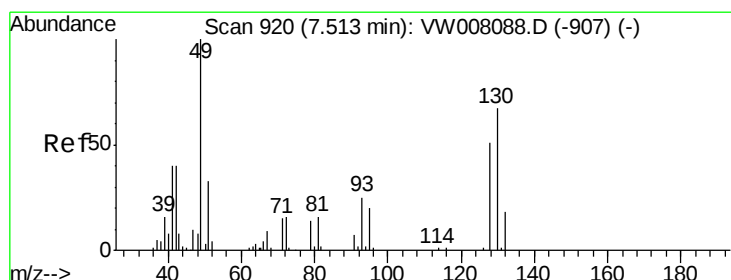
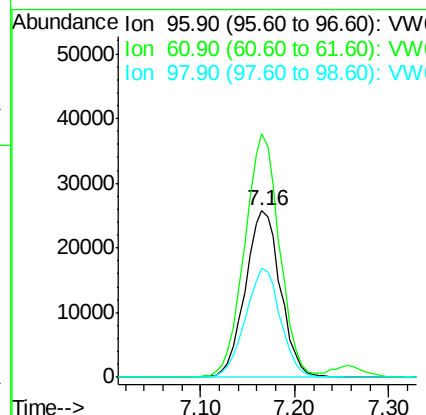
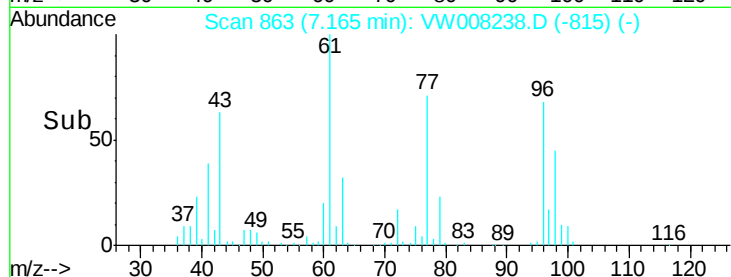
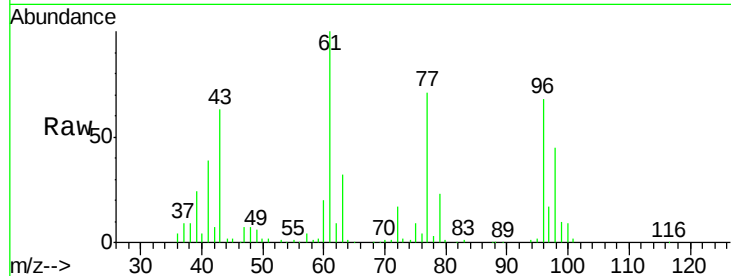
#27
 cis-1,2-Dichloroethene
 Concen: 45.851 ug/l
 RT: 7.16 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.3	0.0	300.4
98	65.3	0.0	128.4

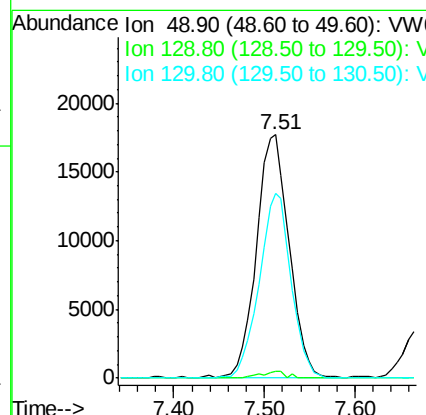
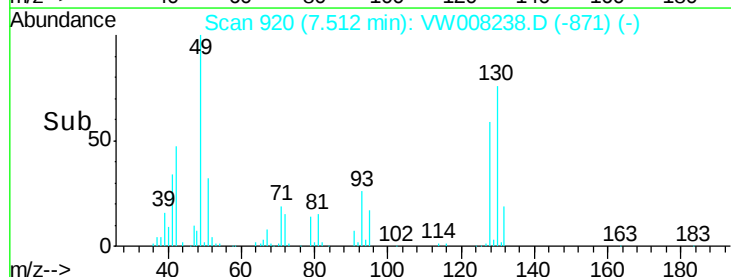
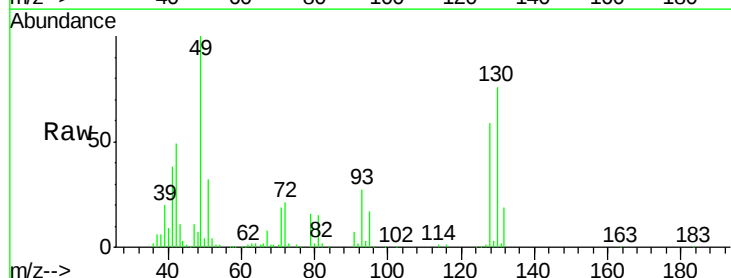
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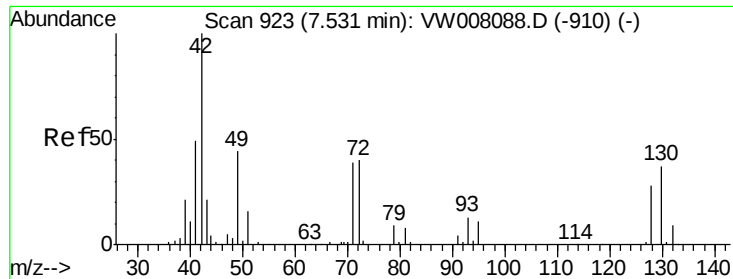
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#28
 Bromochloromethane
 Concen: 44.796 ug/l
 RT: 7.51 min Scan# 920
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	2.8
130	73.4	54.3	81.5





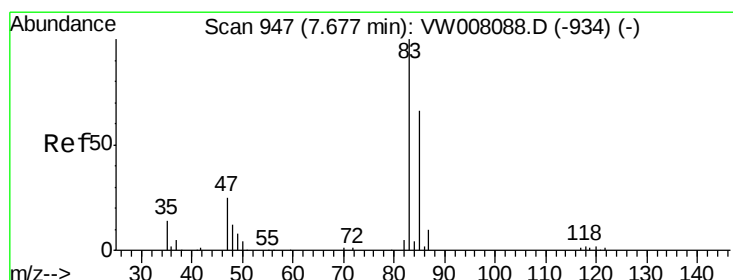
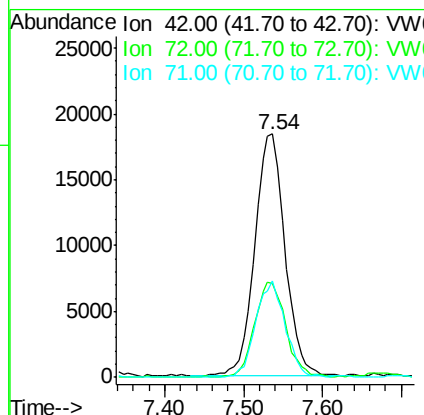
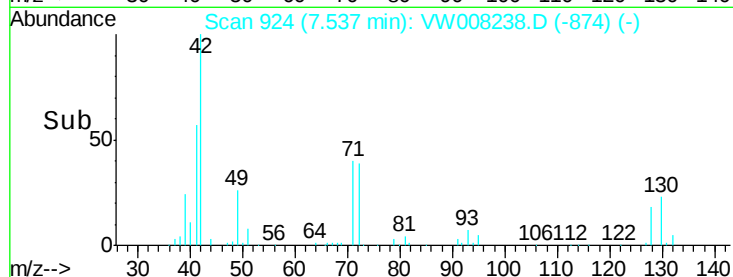
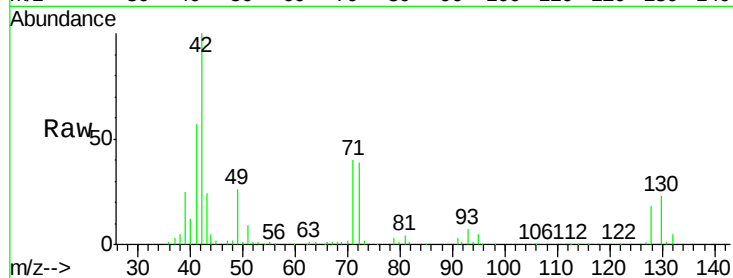
#29
Tetrahydrofuran
Concen: 206.481 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.01 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	32.4	48.6
71	38.9	31.3	46.9

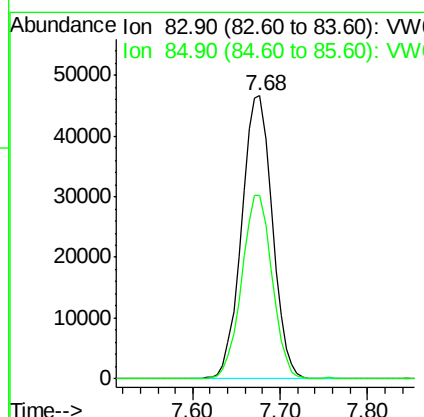
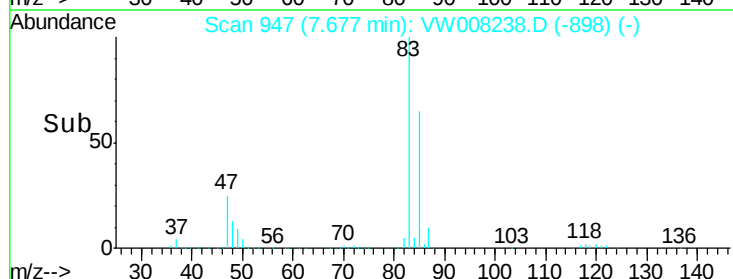
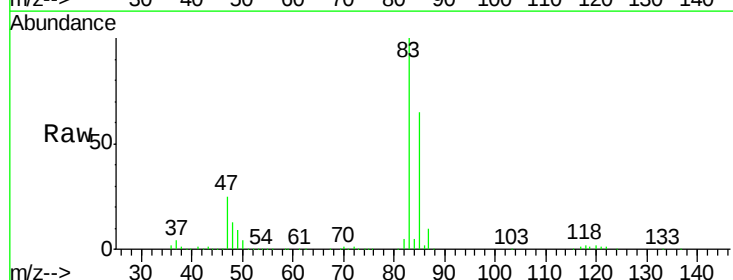
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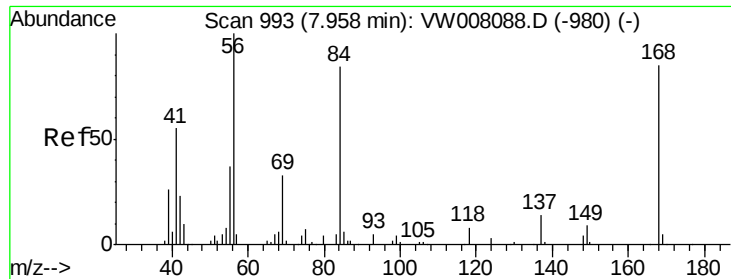
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#30
Chloroform
Concen: 47.795 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	53.2	79.8





#31

Cyclohexane

Concen: 41.899 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

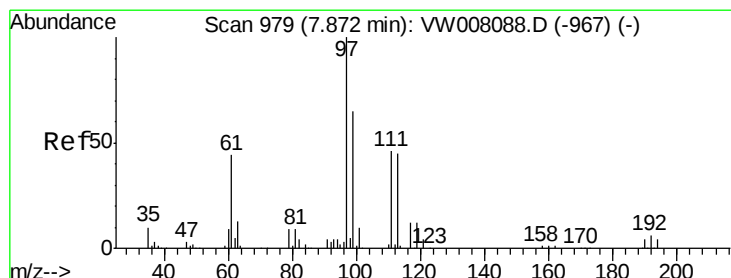
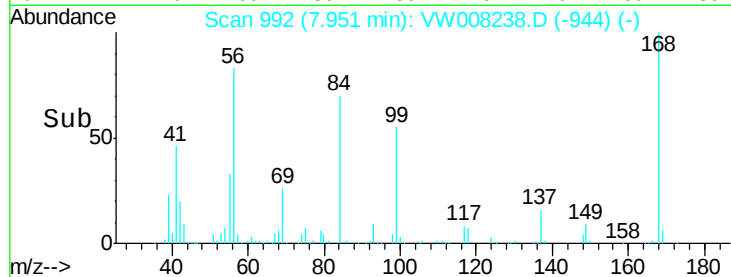
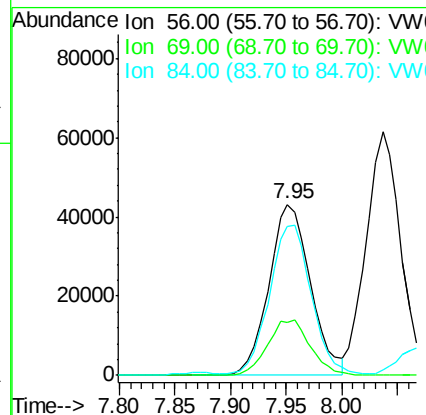
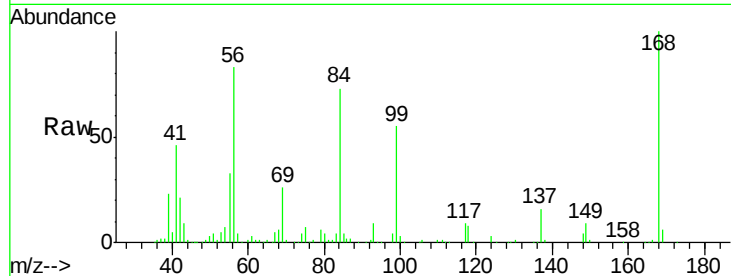
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	112400
Ion Ratio	Lower	Upper	
56	100		
69	31.1	26.2	39.4
84	86.0	67.4	101.2

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#32

1,1,1-Trichloroethane

Concen: 47.252 ug/l

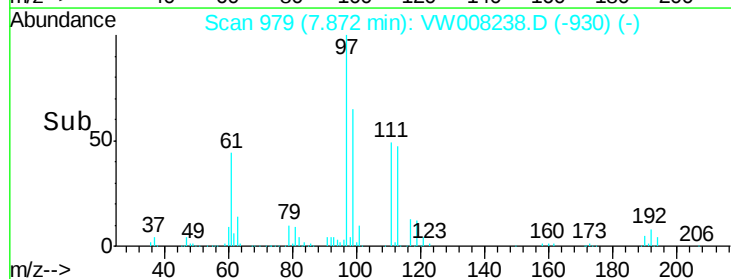
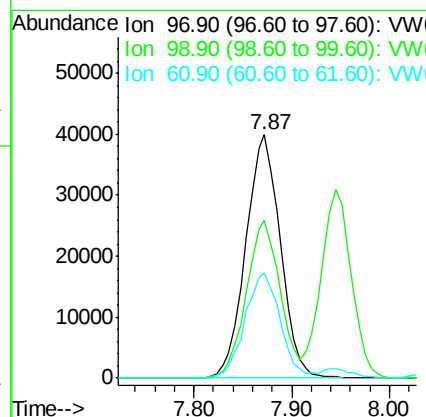
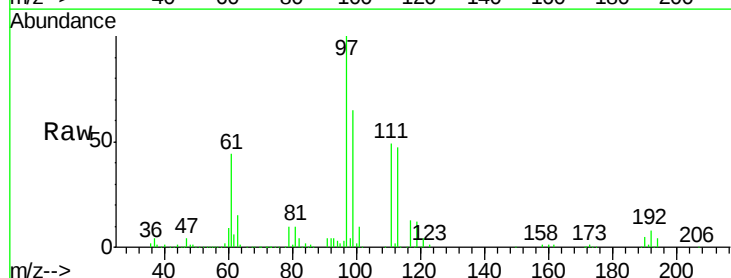
RT: 7.87 min Scan# 979

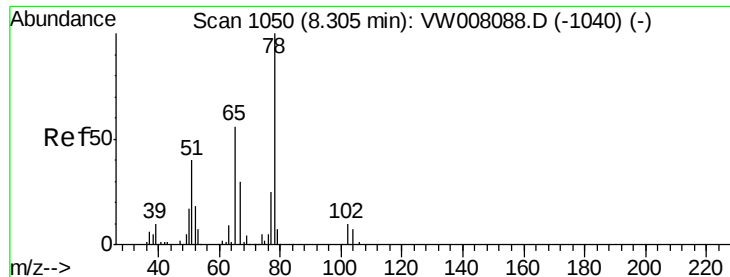
Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	97	Resp:	98068
Ion Ratio	Lower	Upper	
97	100		
99	63.8	51.4	77.0
61	44.4	35.6	53.4





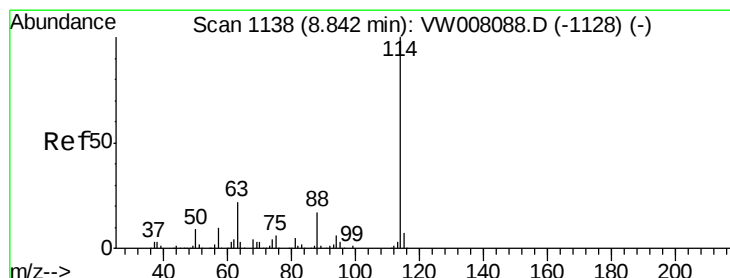
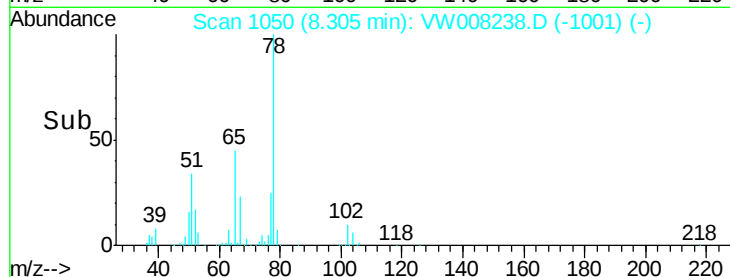
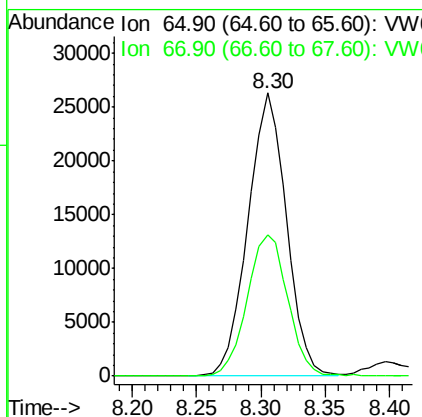
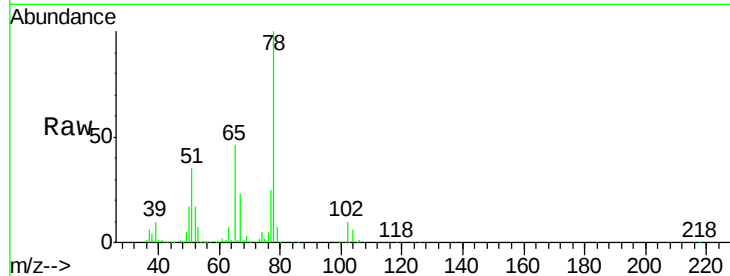
#33
 1,2-Dichloroethane-d4
 Concen: 42.639 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.6	0.0	106.8	

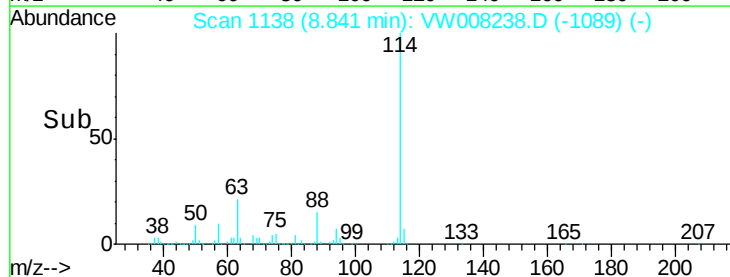
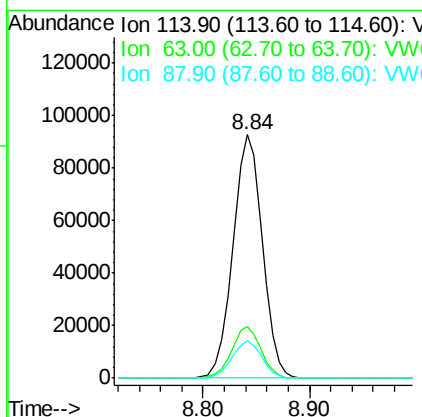
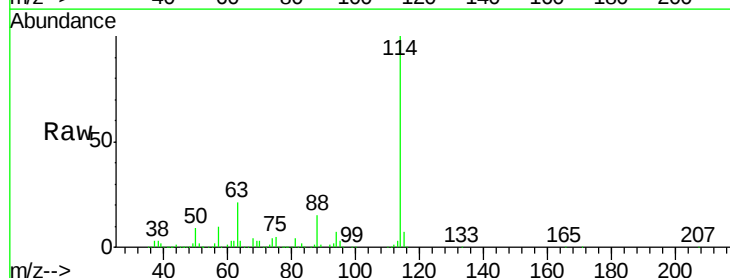
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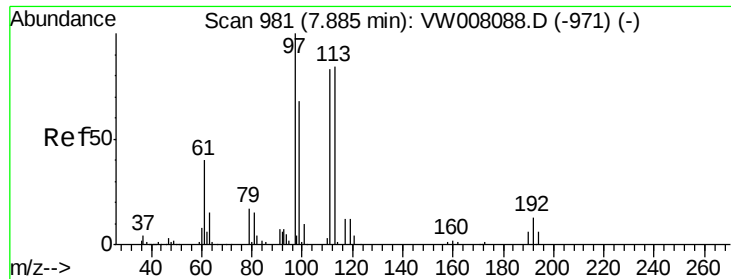
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	21.0	0.0	43.4	
88	15.4	0.0	33.4	





#35

Dibromofluoromethane

Concen: 52.375 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

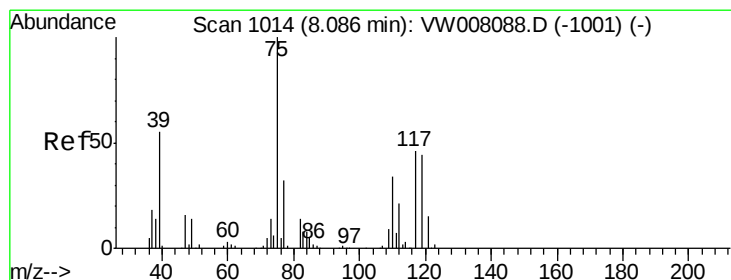
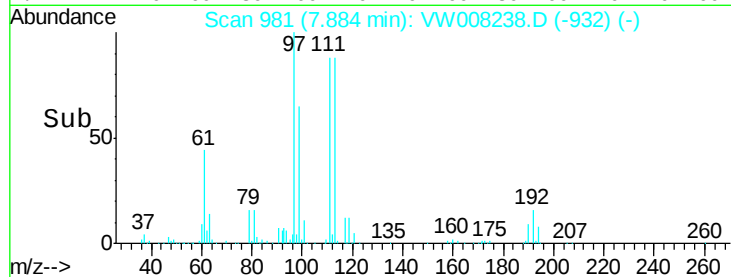
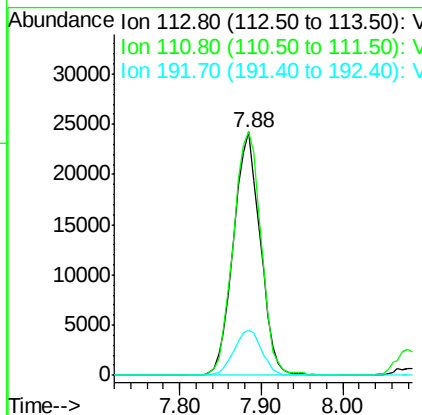
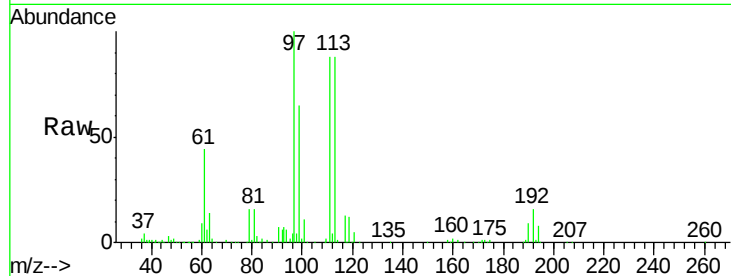
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.8	122.8
192	19.3	12.8	19.2#

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#36

1,1-Dichloropropene

Concen: 50.548 ug/l

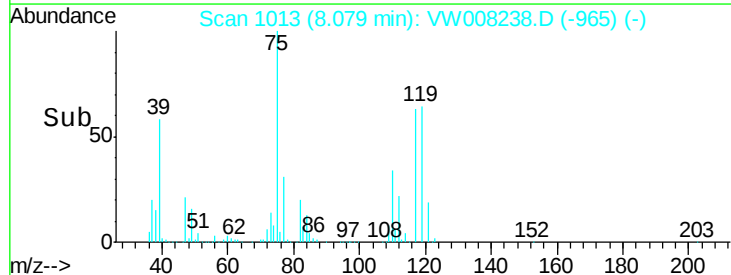
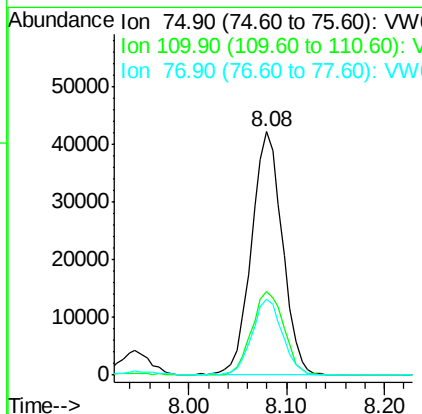
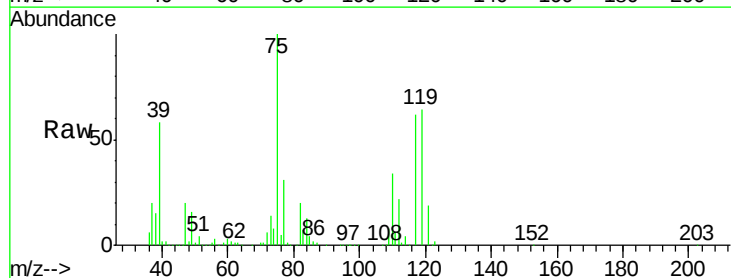
RT: 8.08 min Scan# 1013

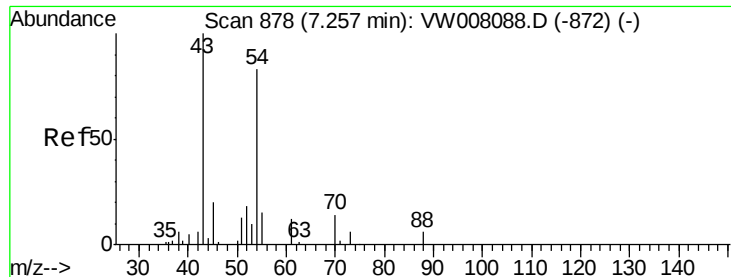
Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.1	51.3
77	30.8	25.5	38.3





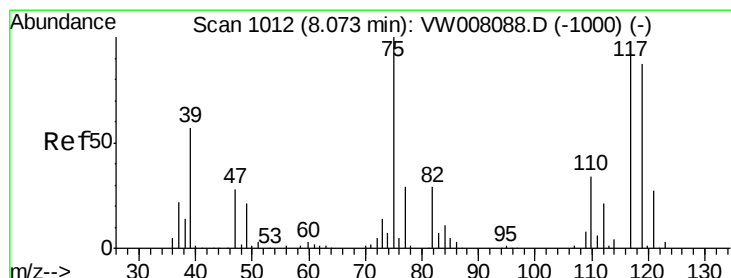
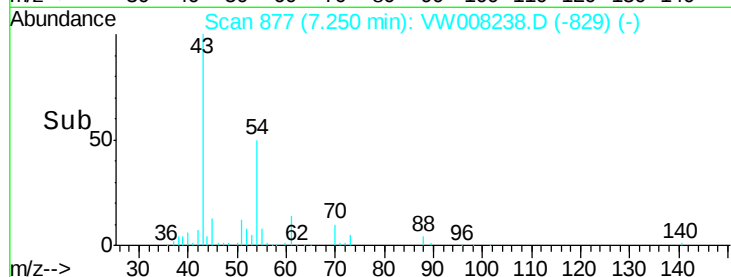
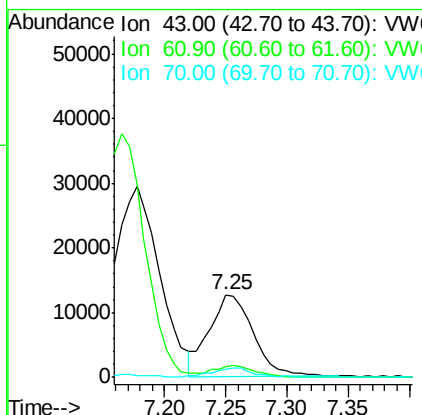
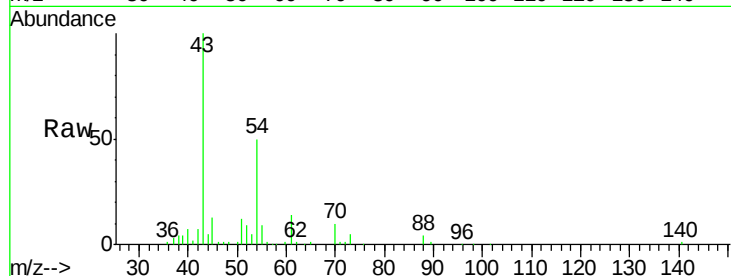
#37
Ethyl Acetate
Concen: 42.489 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	10.6	16.0
70	11.4	8.9	13.3

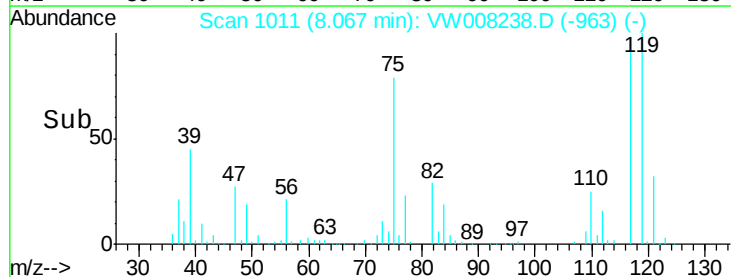
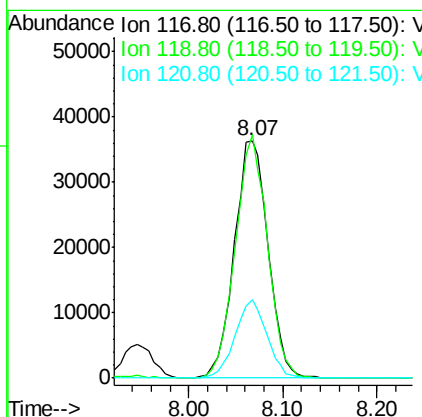
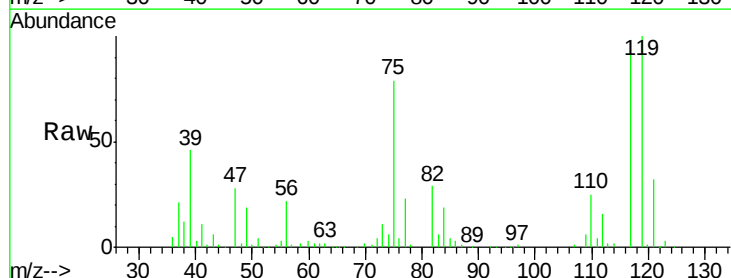
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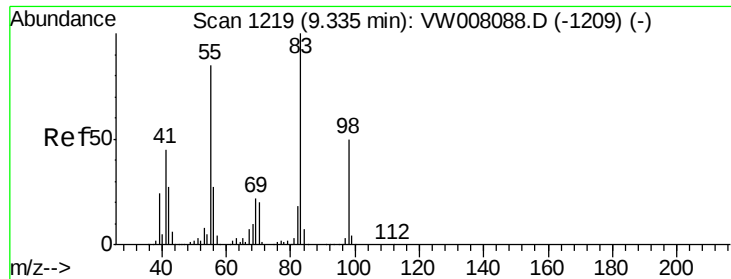
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#38
Carbon Tetrachloride
Concen: 53.451 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
119	102.4	75.8	113.8
121	32.9	23.7	35.5





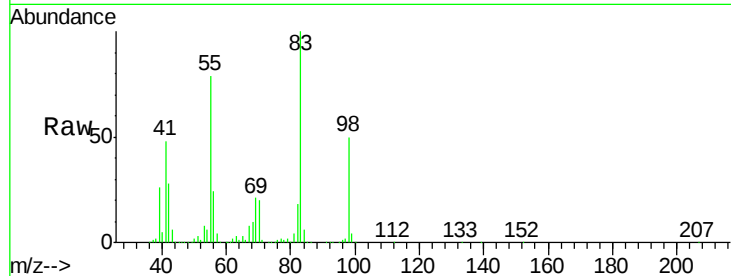
#39
Methvlcvclohexane
Concen: 49.117 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

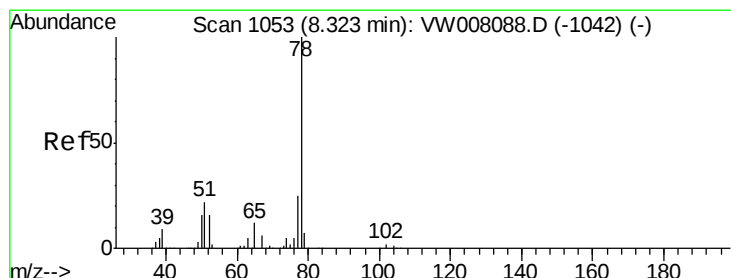
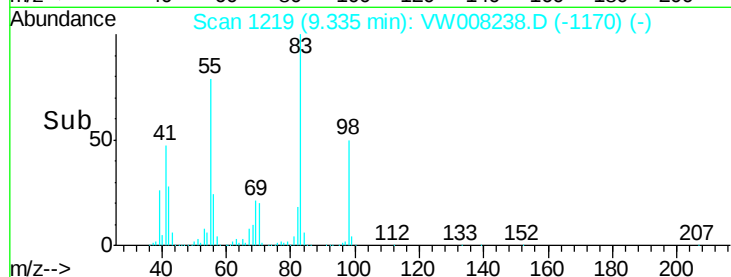
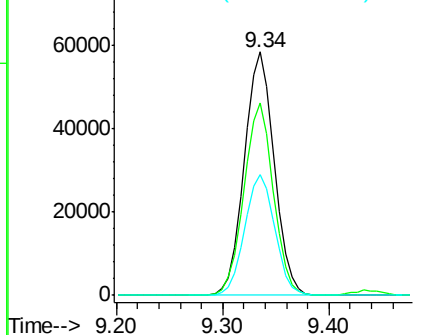
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	78.8	67.8	101.6	
98	49.6	40.2	60.4	

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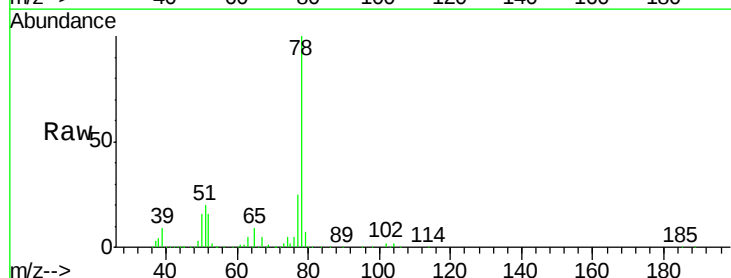


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

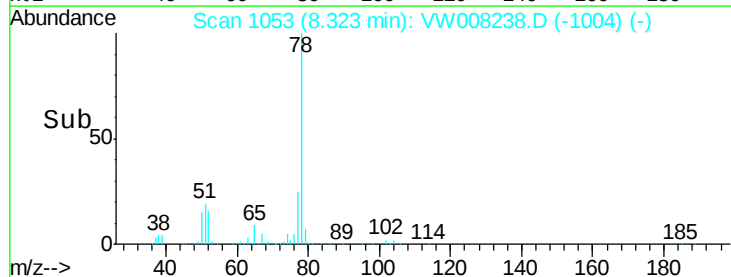
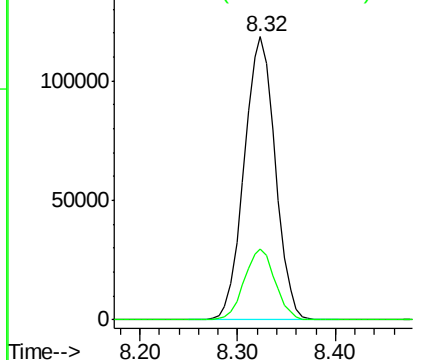


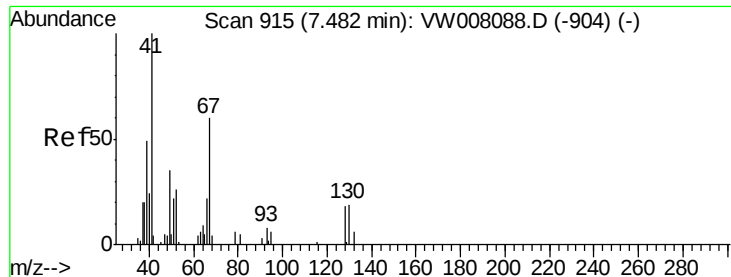
#40
Benzene
Concen: 51.803 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	25.1	20.2	30.4	



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





#41

Methacrylonitrile

Concen: 40.482 ug/l

RT: 7.48 min Scan# 915

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

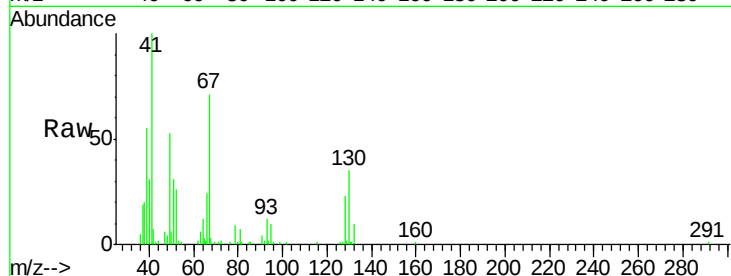
ClientSampleId :

VSTDCCC050

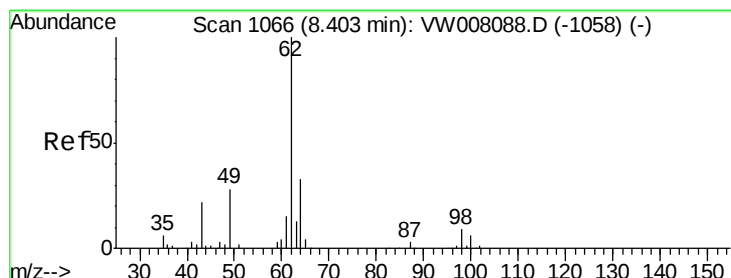
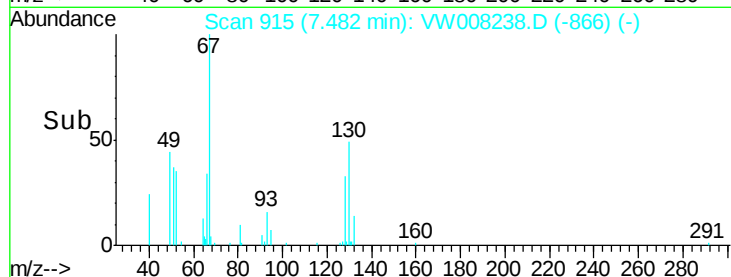
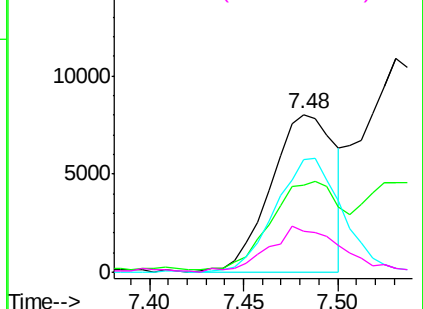
Tot Ion	41	Resp	18981
Ion	Ratio	Lower	Upper
41	100		
39	61.2	47.9	71.9
67	75.6	56.3	84.5
52	34.0	24.5	36.7

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Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW



#42

1,2-Dichloroethane

Concen: 47.865 ug/l

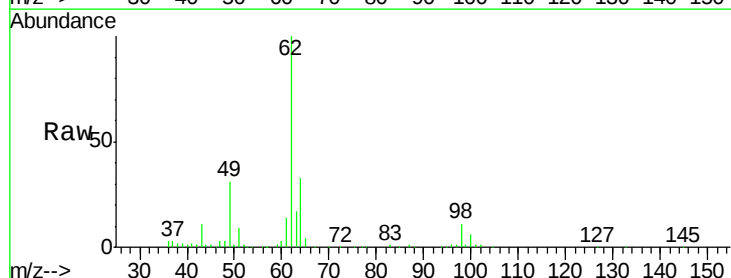
RT: 8.40 min Scan# 1065

Delta R.T. -0.01 min

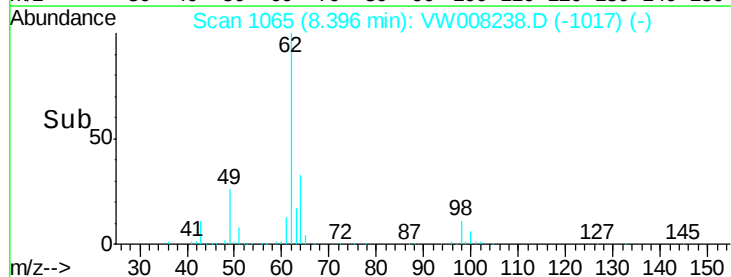
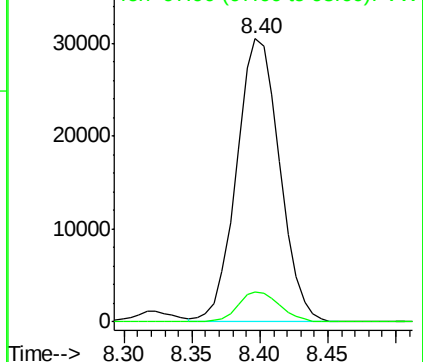
Lab File: VW008238.D

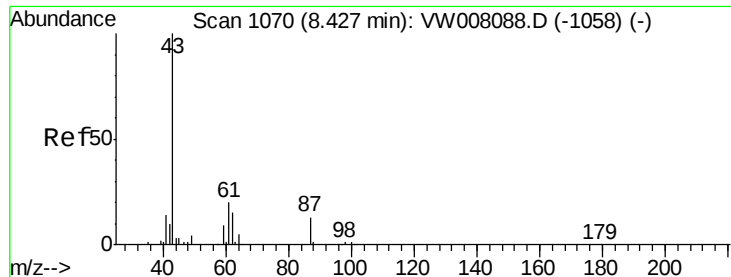
Acq: 14 Jan 2019 10:59

Tgt Ion	62	Resp	67649
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	18.6



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 43.679 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

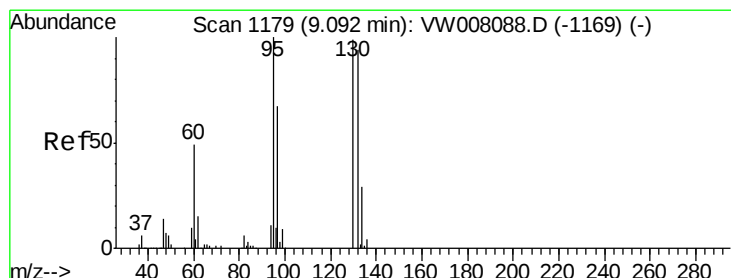
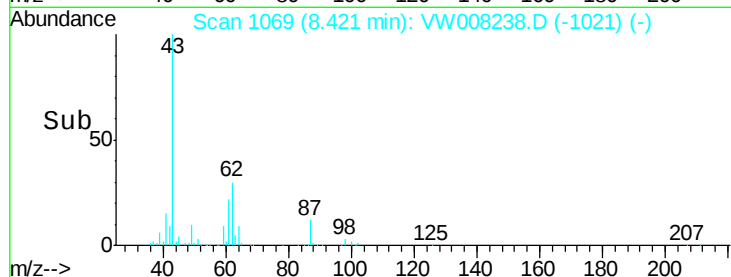
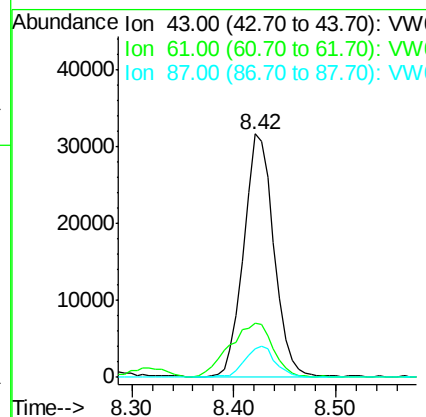
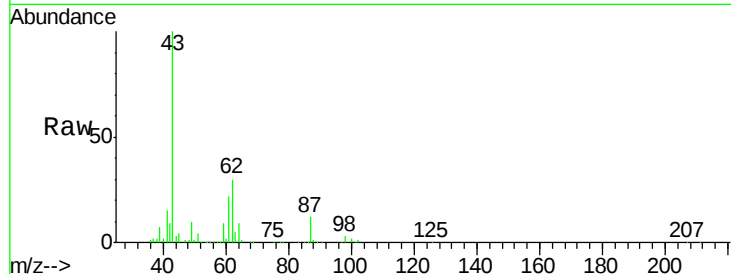
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	64822
Ion	Ratio	Lower	Upper
43	100		
61	32.5	24.8	37.2
87	13.0	10.4	15.6

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#44

Trichloroethene

Concen: 53.274 ug/l

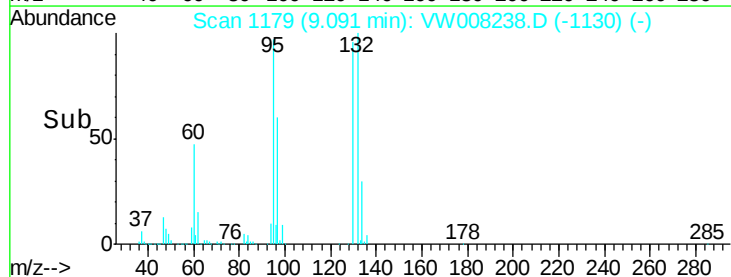
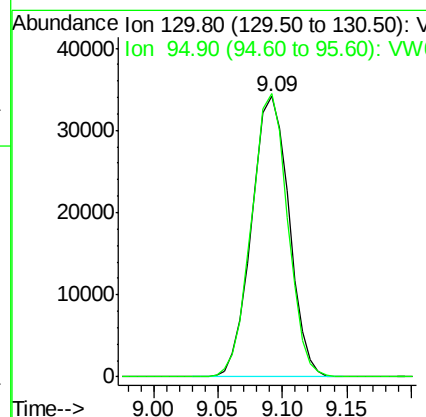
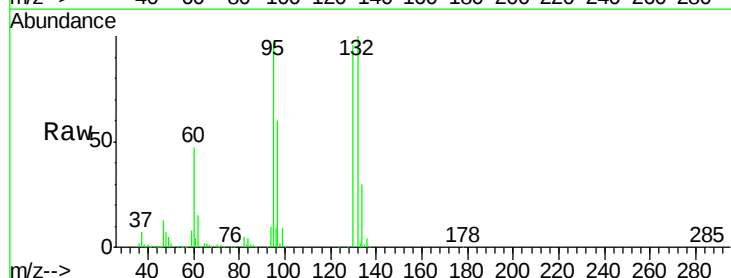
RT: 9.09 min Scan# 1179

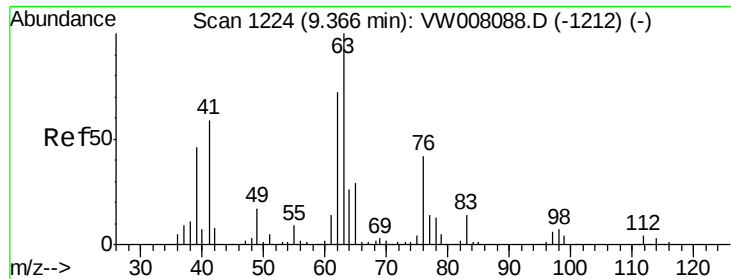
Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	130	Resp:	68529
Ion	Ratio	Lower	Upper
130	100		
95	100.9	0.0	202.8





#45

1,2-Dichloropropane

Concen: 51.897 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 64663

Ion Ratio Lower Upper

63 100

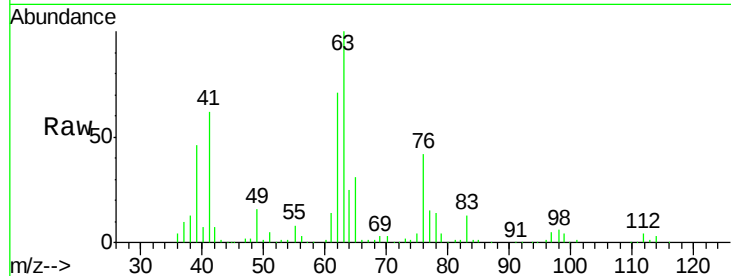
65 31.0 23.3 34.9

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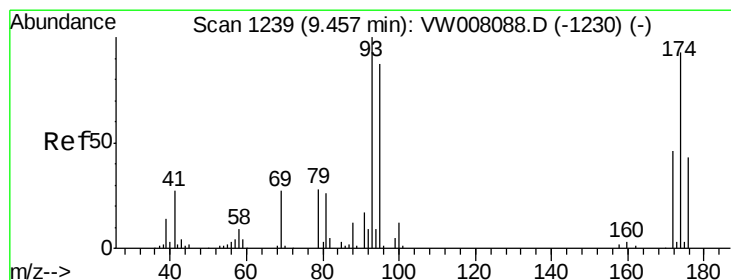
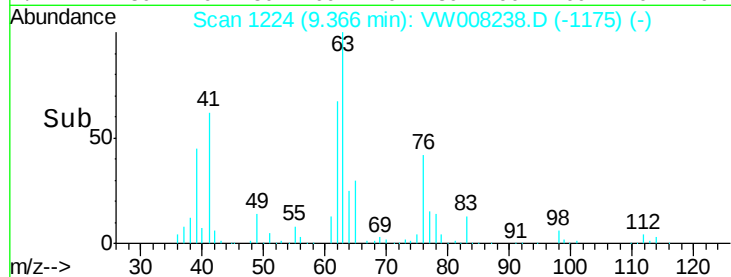
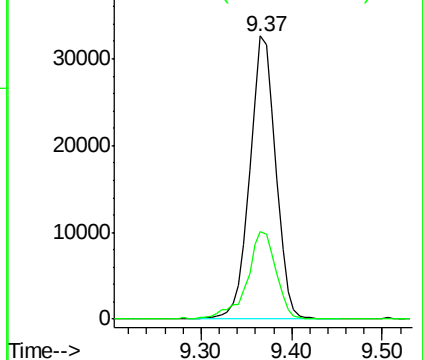
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Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 64.90 (64.60 to 65.60): VW



#46

Dibromomethane

Concen: 50.358 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

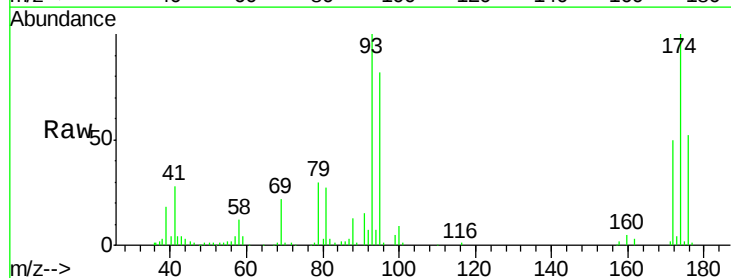
Tgt Ion: 93 Resp: 30815

Ion Ratio Lower Upper

93 100

95 82.3 67.5 101.3

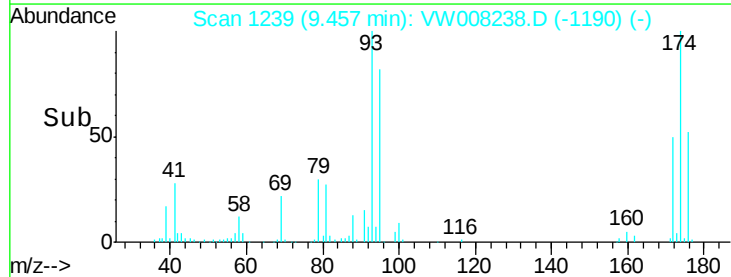
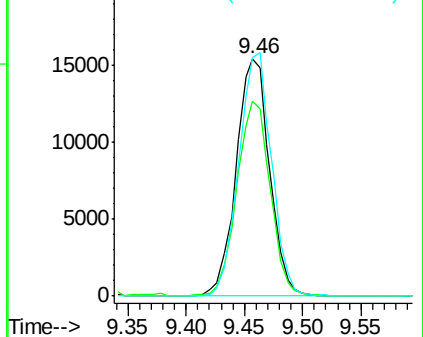
174 100.6 72.5 108.7

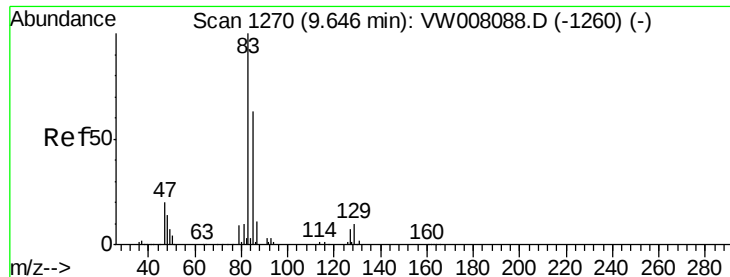


Abundance Ion 92.80 (92.50 to 93.50): VW

Ion 94.80 (94.50 to 95.50): VW

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.444 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

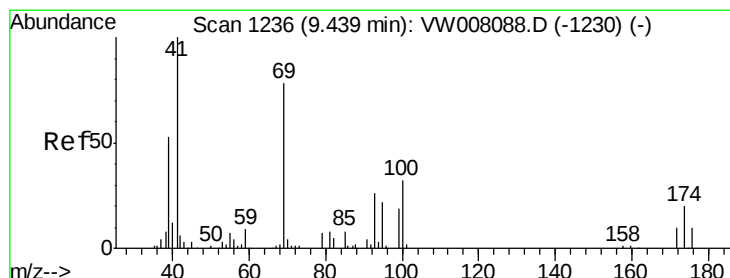
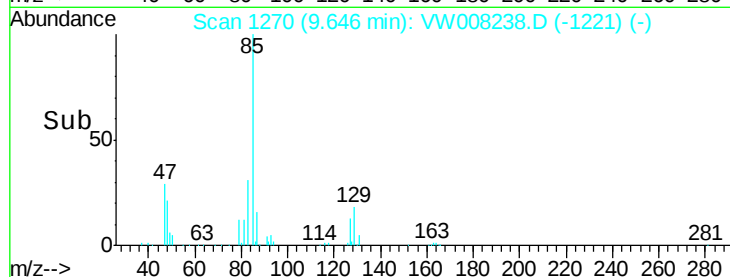
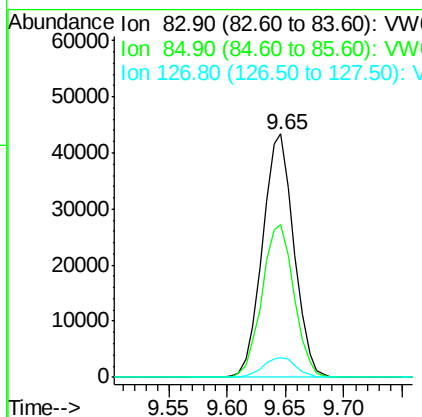
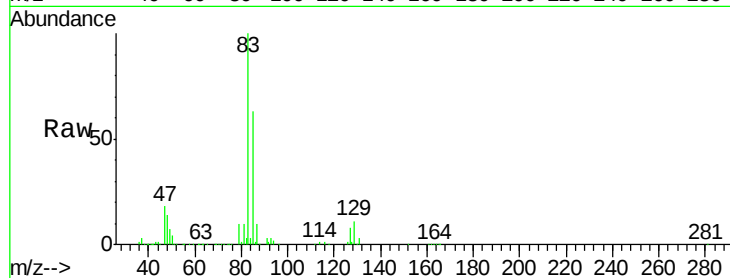
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	81486
Ion	Ratio	Lower	Upper
83	100		
85	62.6	50.7	76.1
127	8.2	6.0	9.0

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#48

Methyl methacrylate

Concen: 46.910 ug/l

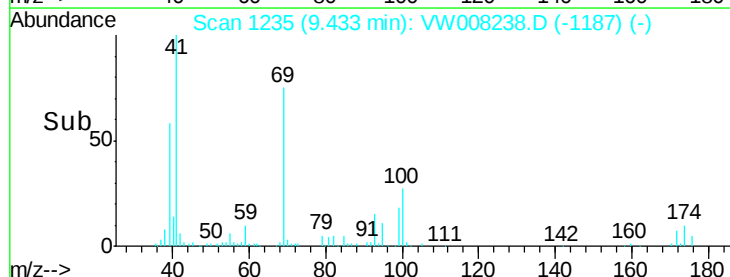
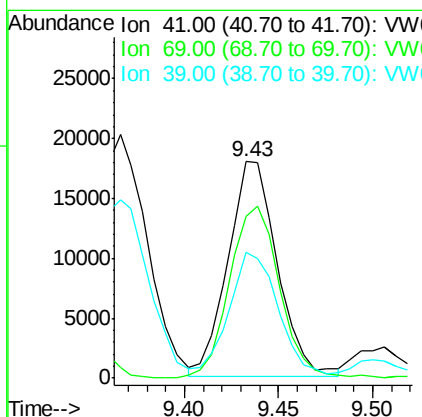
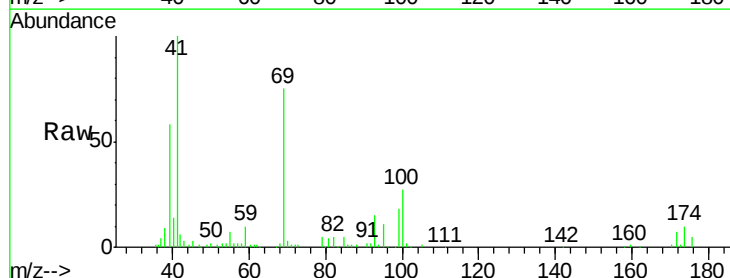
RT: 9.43 min Scan# 1235

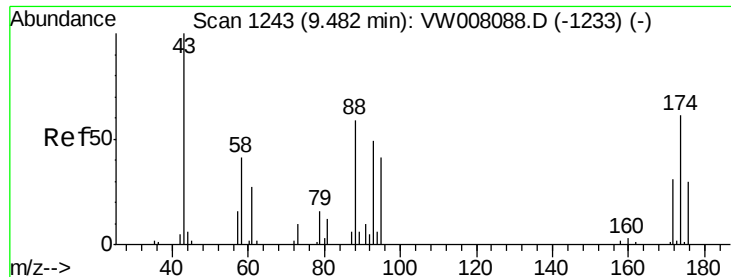
Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	41	Resp:	32849
Ion	Ratio	Lower	Upper
41	100		
69	80.9	61.9	92.9
39	54.9	43.0	64.4





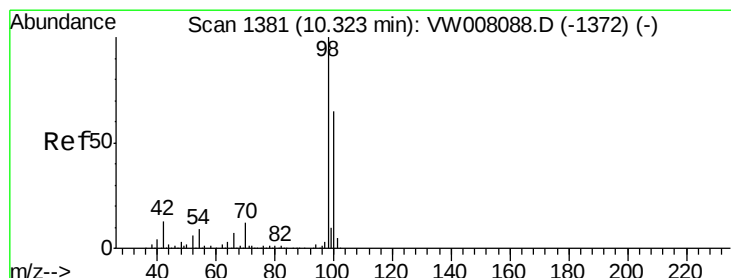
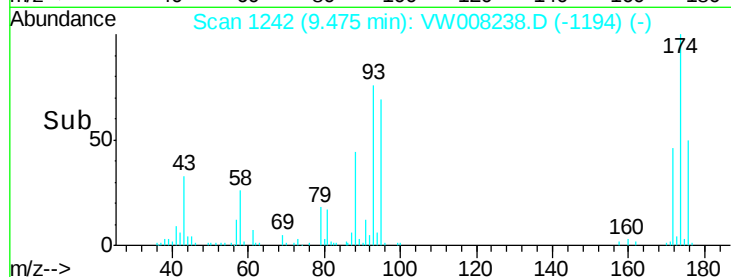
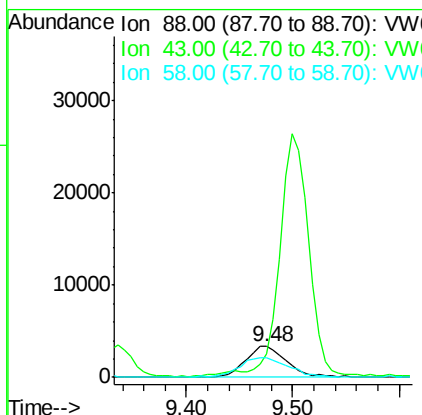
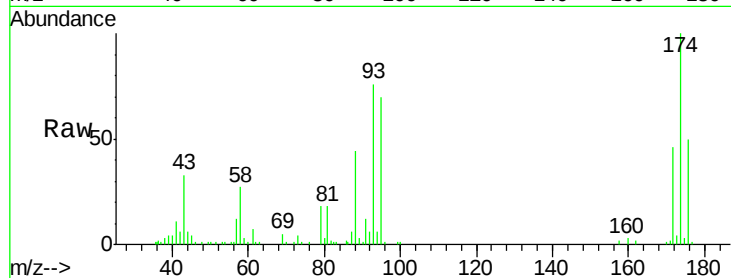
#49
 1,4-Dioxane
 Concen: 918.938 ug/l
 RT: 9.48 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.7	61.7	92.5

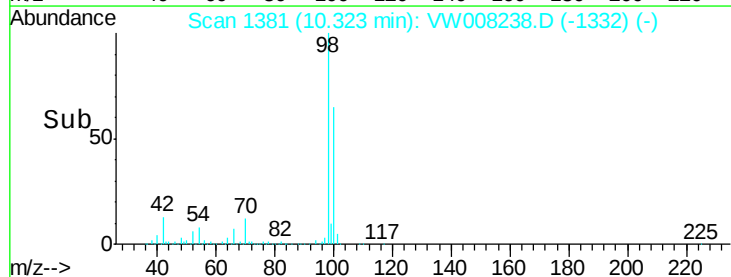
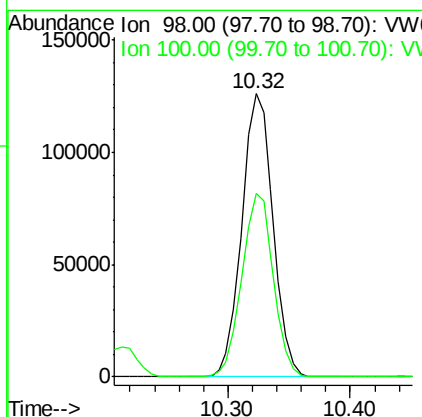
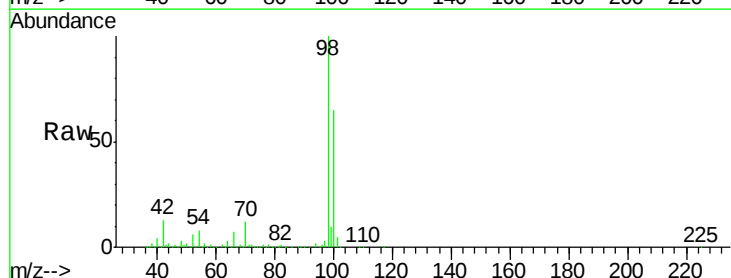
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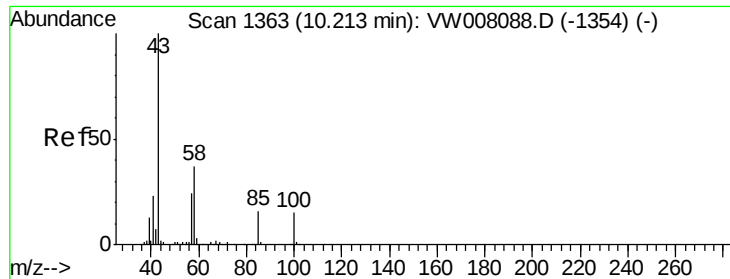
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#50
 Toluene-d8
 Concen: 50.713 ug/l
 RT: 10.32 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.7	77.5





#51

4-Methyl-2-Pentanone

Concen: 220.836 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 158639

Ion Ratio Lower Upper

43 100

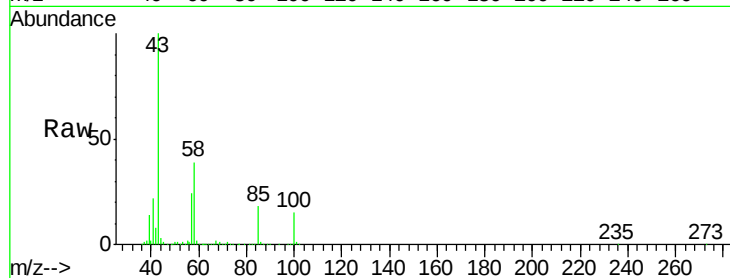
58 38.6 30.6 46.0

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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

80000

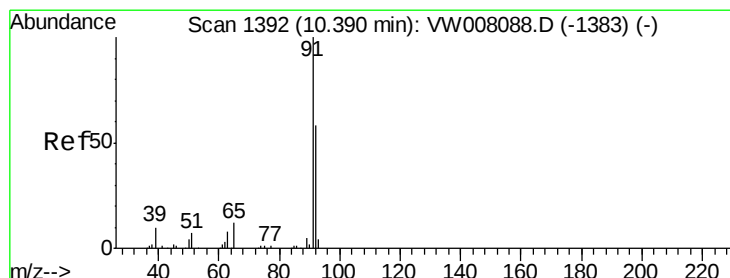
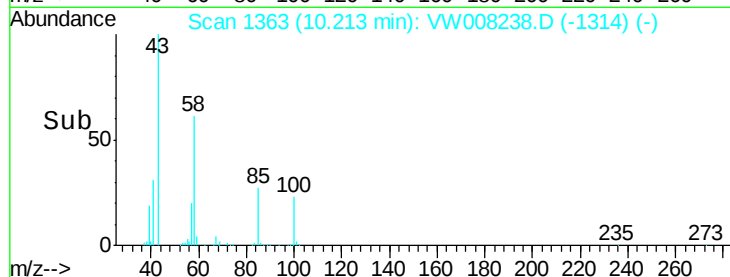
60000

40000

20000

0

Time-->



#52

Toluene

Concen: 51.947 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW008238.D

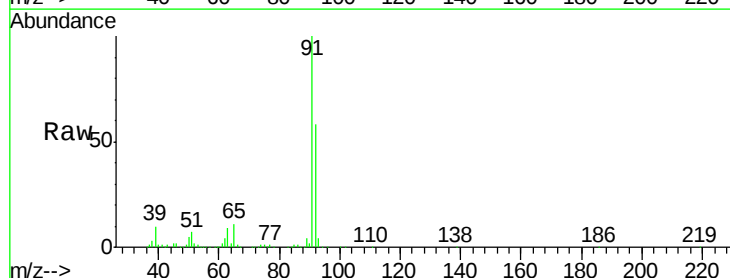
Acq: 14 Jan 2019 10:59

Tgt Ion: 92 Resp: 166709

Ion Ratio Lower Upper

92 100

91 172.5 137.0 205.4



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

200000

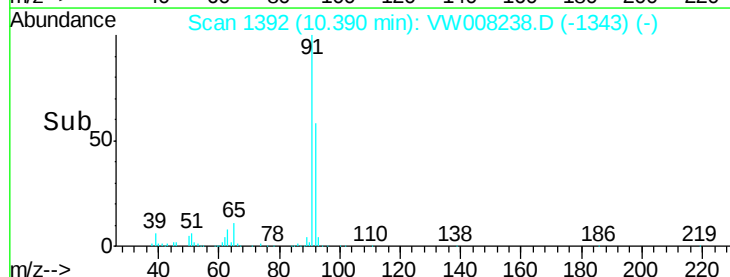
150000

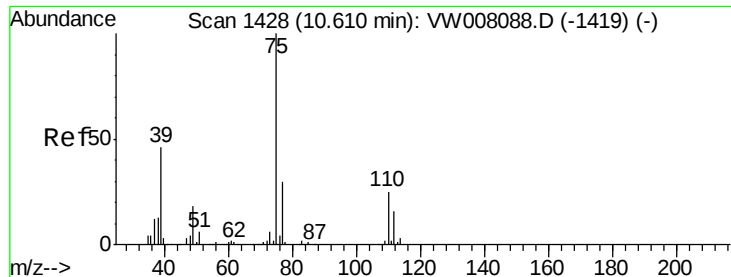
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 49.377 ug/l

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 79804

Ion Ratio Lower Upper

75 100

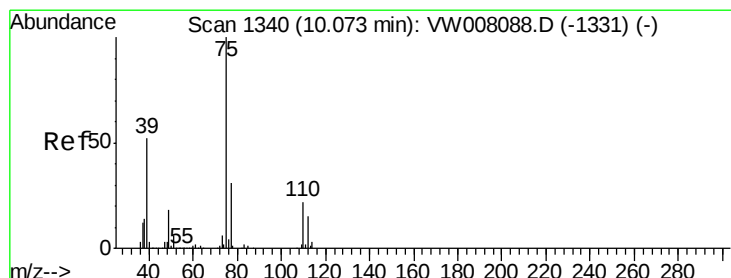
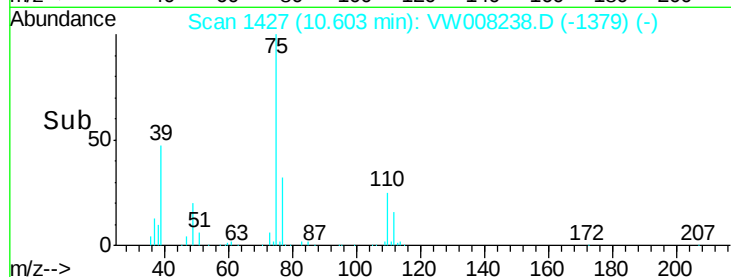
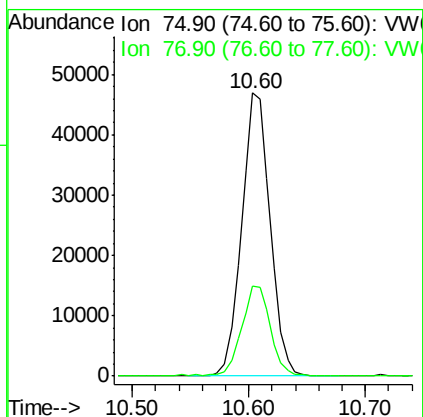
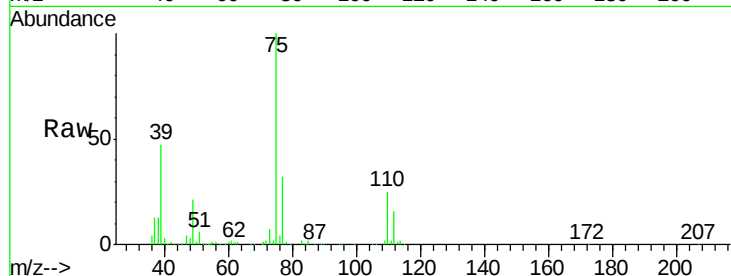
77 31.7 24.4 36.6

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#54

cis-1,3-Dichloropropene

Concen: 49.779 ug/l

RT: 10.07 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

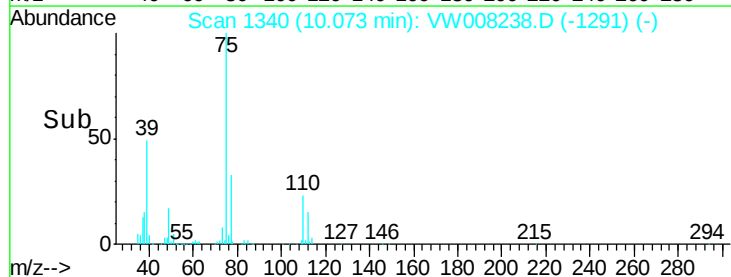
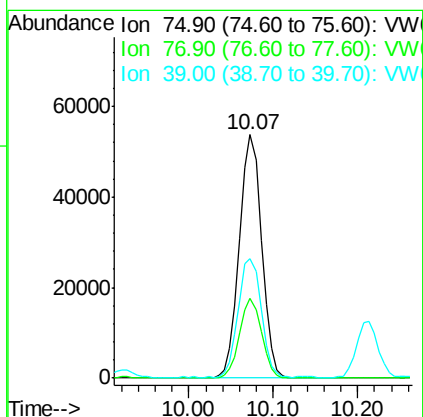
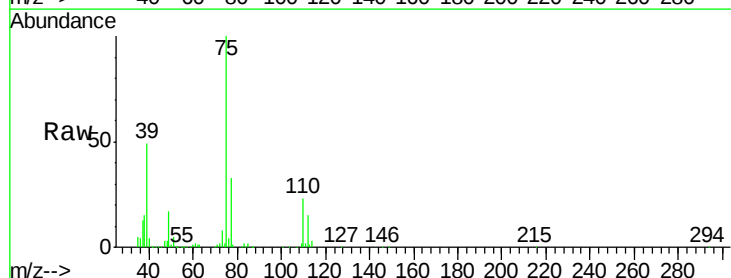
Tgt Ion: 75 Resp: 95403

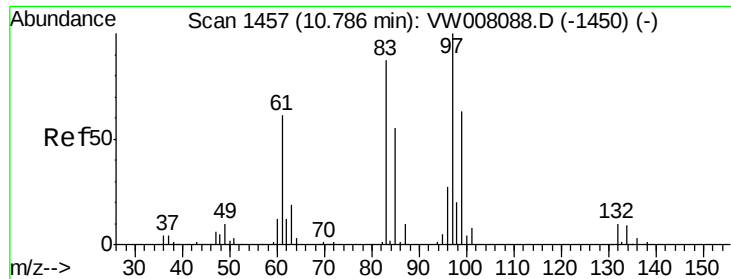
Ion Ratio Lower Upper

75 100

77 32.8 25.2 37.8

39 48.7 41.4 62.0





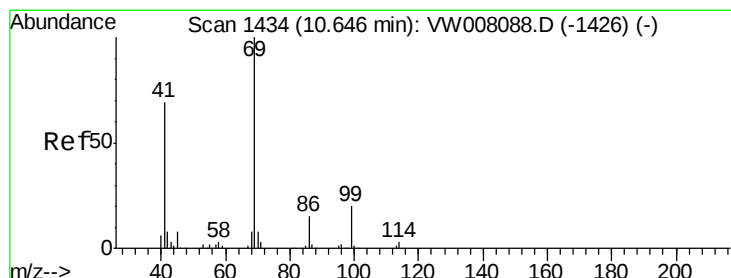
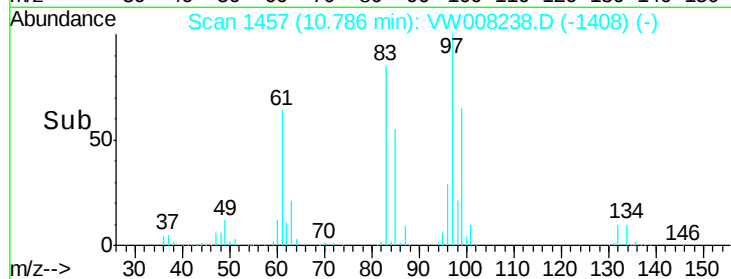
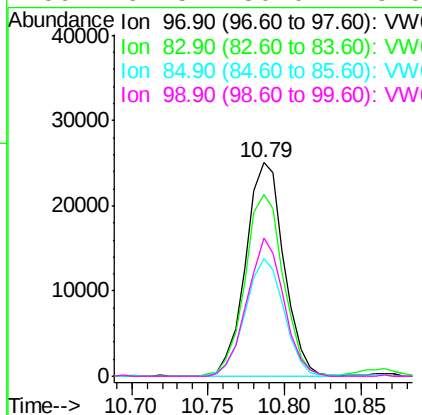
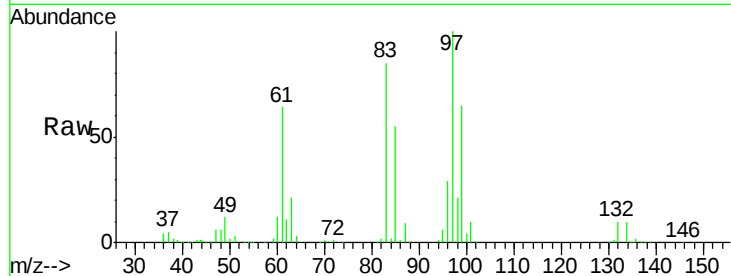
#55
 1,1,2-Trichloroethane
 Concen: 50.849 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	43686
Ion	Ratio	Lower	Upper
97	100		
83	85.0	69.3	103.9
85	54.9	43.8	65.6
99	64.5	50.0	75.0

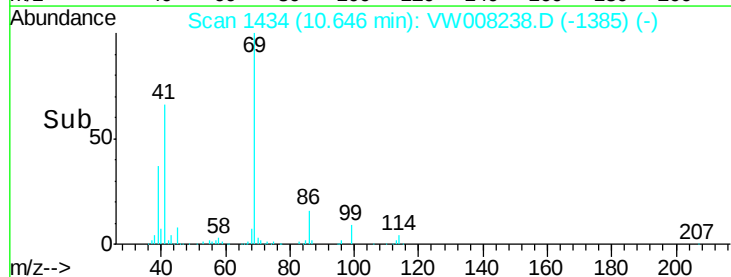
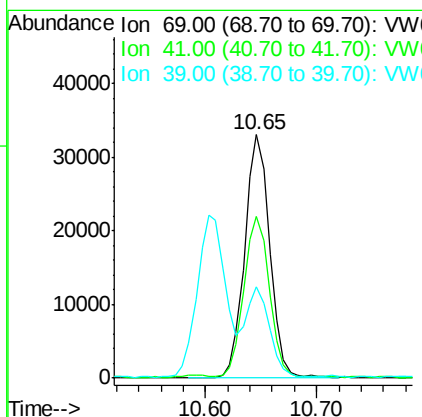
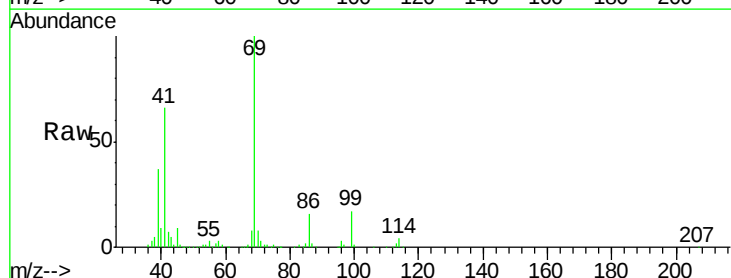
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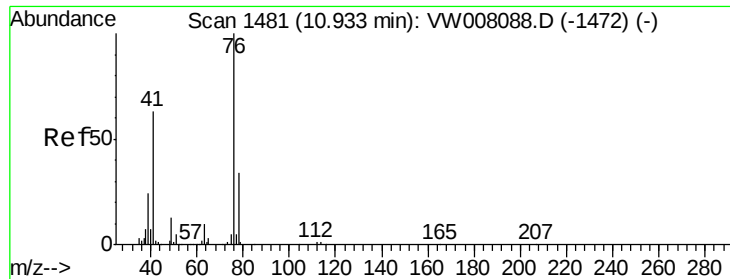
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#56
 Ethyl methacrylate
 Concen: 48.687 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion:	69	Resp:	51801
Ion	Ratio	Lower	Upper
69	100		
41	66.8	56.4	84.6
39	34.8	28.1	42.1





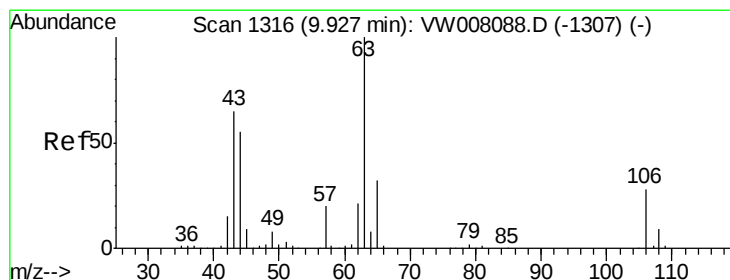
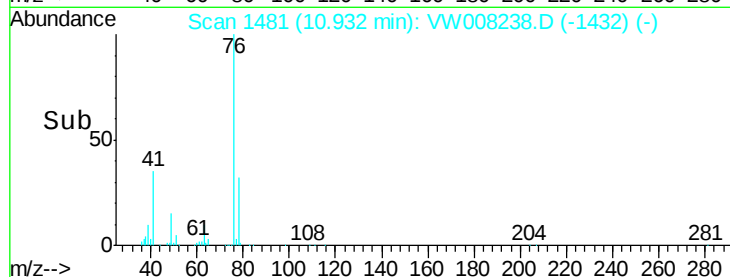
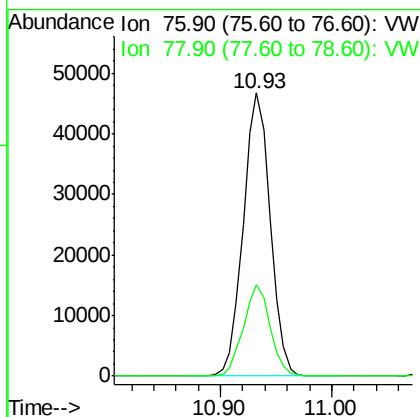
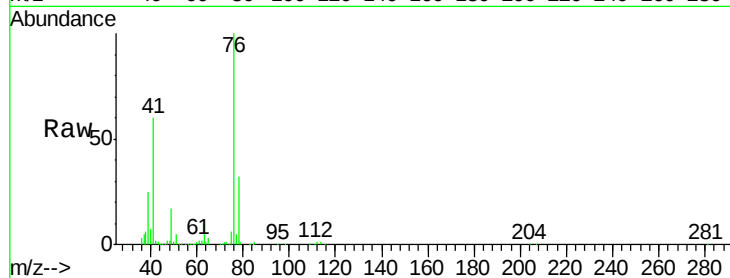
#57
 1,3-Dichloropropane
 Concen: 49.987 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 78541
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5

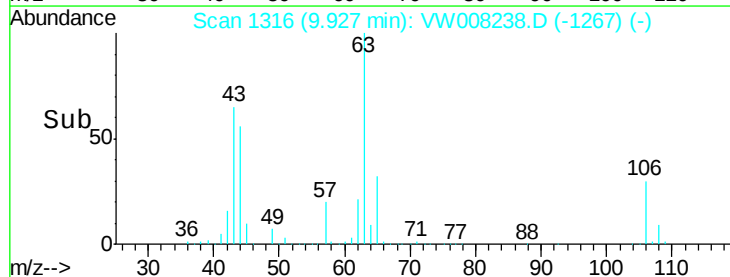
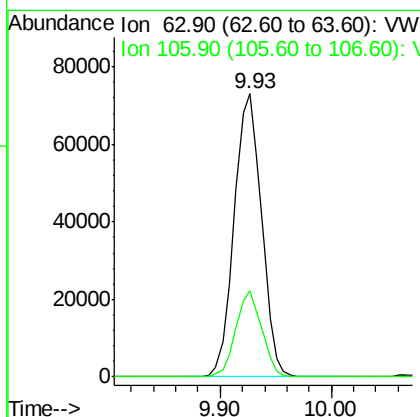
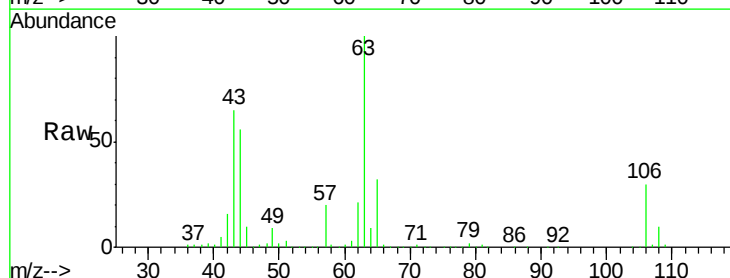
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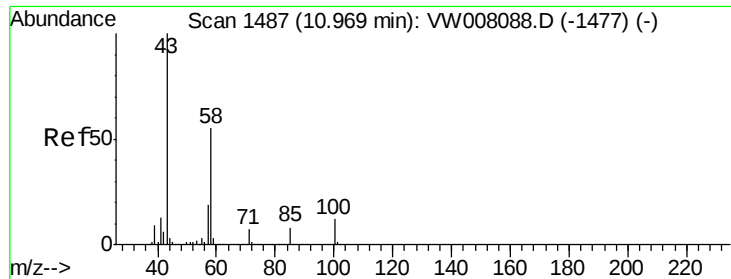
apatel
 1/15/2019 2:08:34 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 226.481 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion: 63 Resp: 124471
 Ion Ratio Lower Upper
 63 100
 106 28.8 21.8 32.6





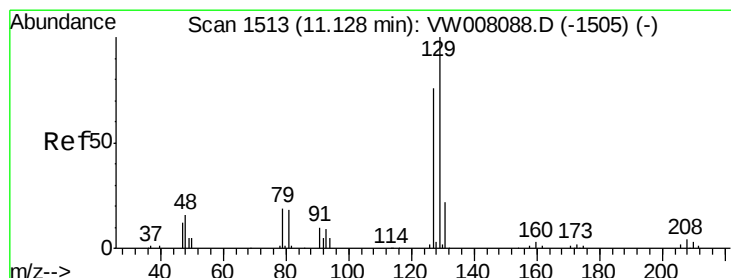
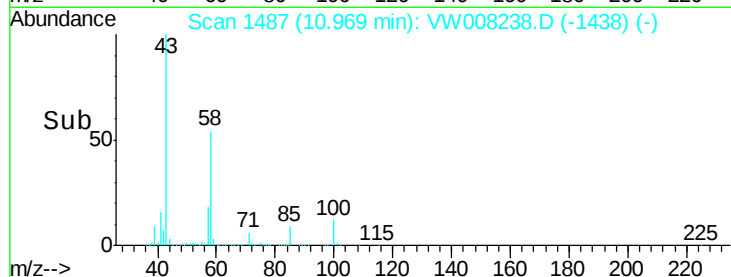
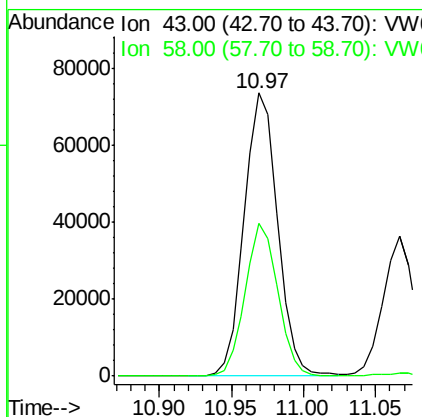
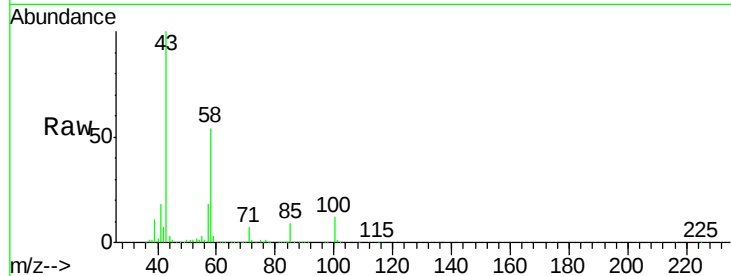
#59
2-Hexanone
Concen: 243.278 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	118181
Ion Ratio	43	100	
Lower	58	52.8	27.2
Upper			81.5

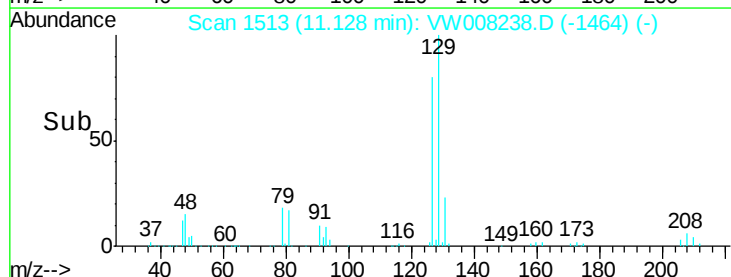
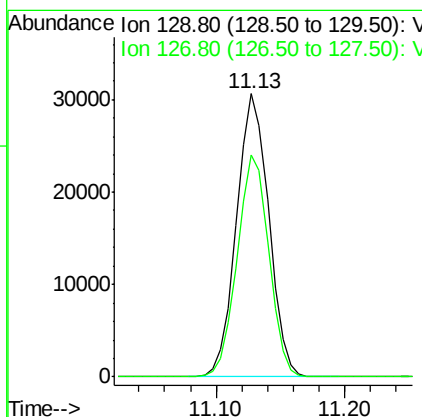
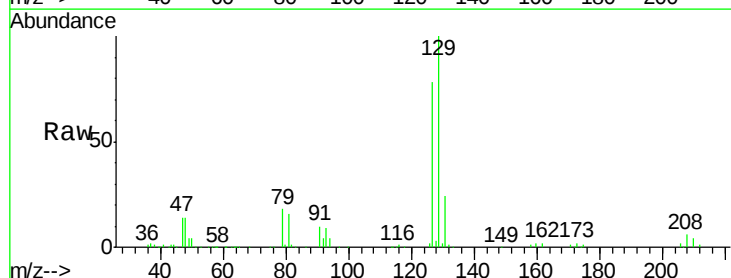
Manual Integrations
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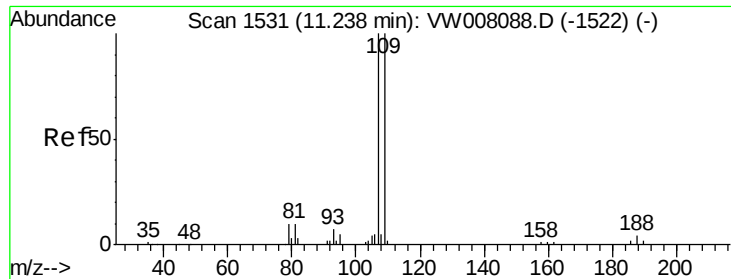
apatel
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#60
Dibromochloromethane
Concen: 56.363 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	129	Resp	53174
Ion Ratio	129	100	
Lower	127	76.7	38.9
Upper			116.6





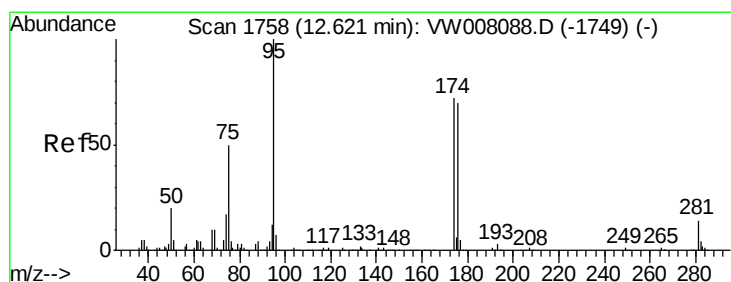
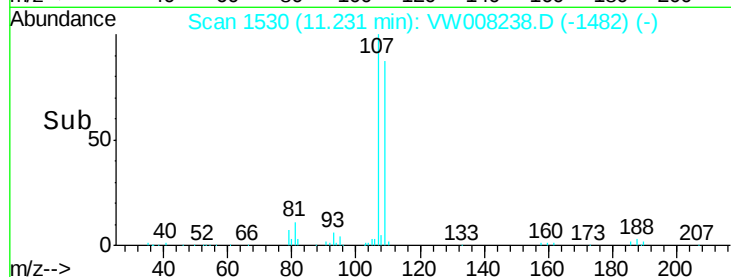
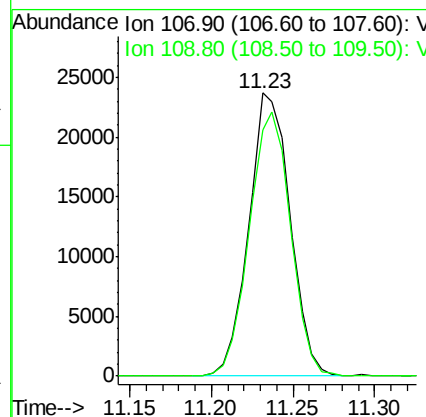
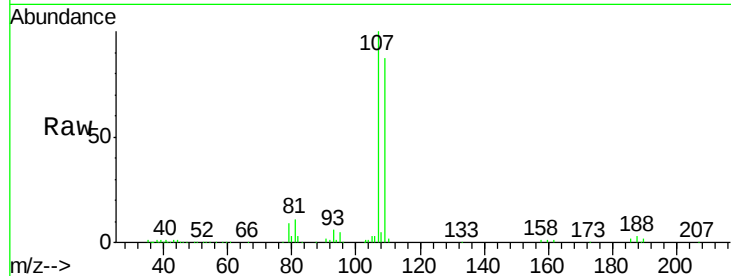
#61
 1,2-Dibromoethane
 Concen: 51.271 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.01 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 41796
 Ion Ratio Lower Upper
 107 100
 109 93.7 75.9 113.9

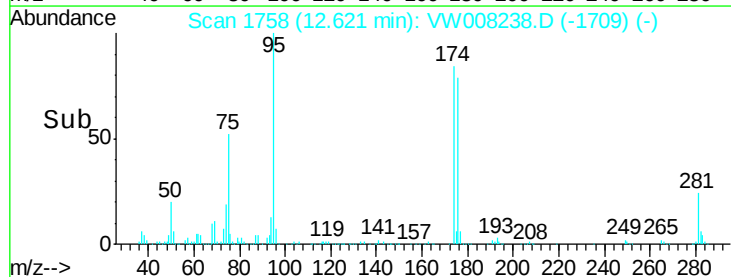
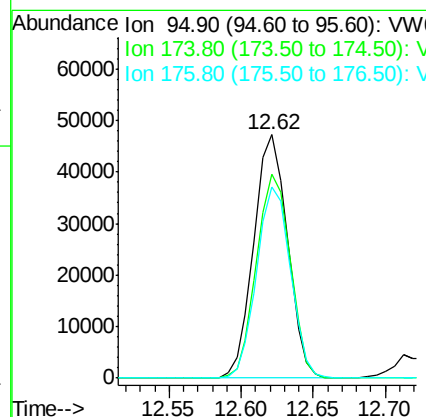
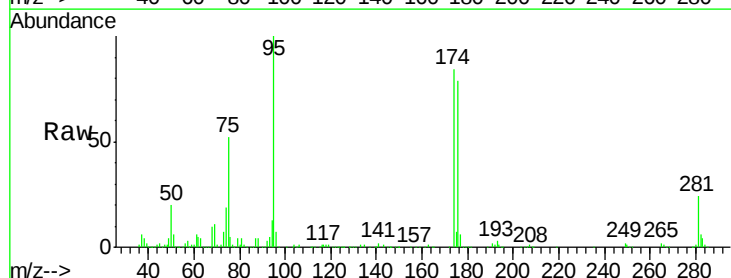
Manual Integrations
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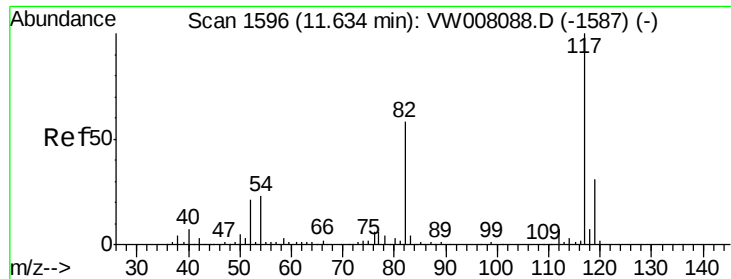
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#62
 4-Bromofluorobenzene
 Concen: 48.487 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion: 95 Resp: 76517
 Ion Ratio Lower Upper
 95 100
 174 83.8 0.0 143.0
 176 78.6 0.0 140.2





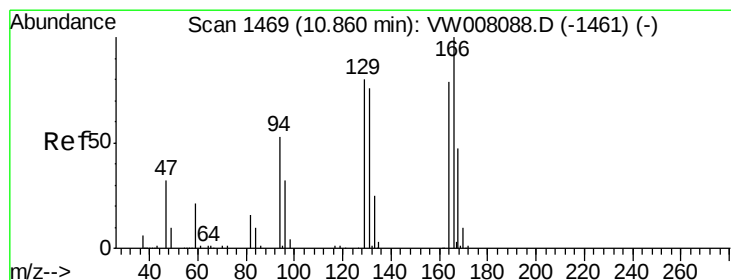
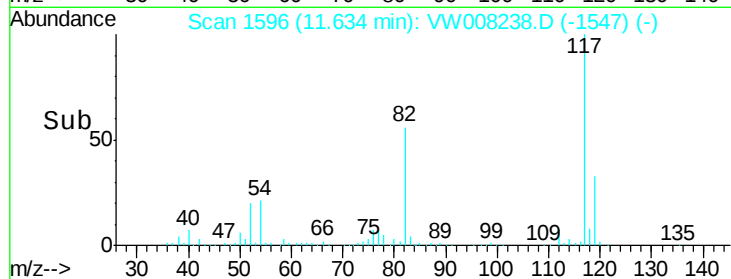
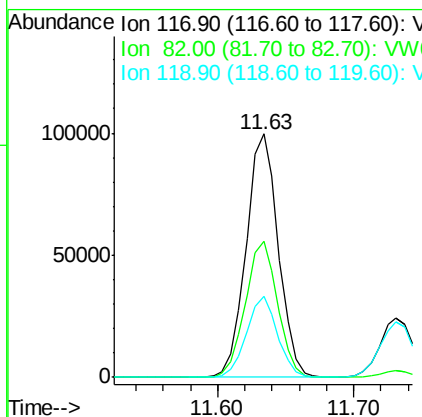
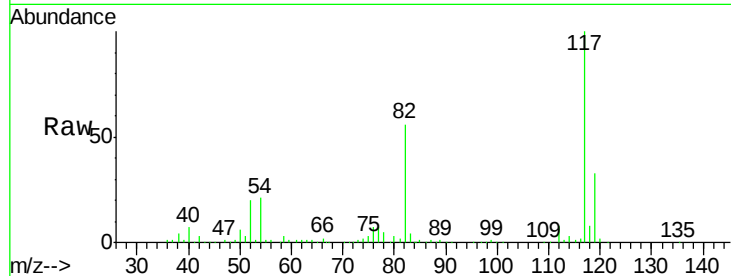
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	164831		
82	56.0	46.4	69.6	
119	33.0	24.7	37.1	

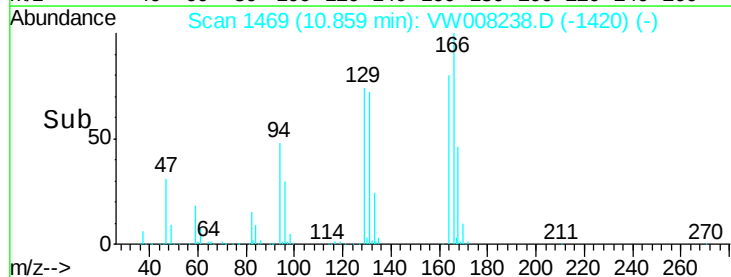
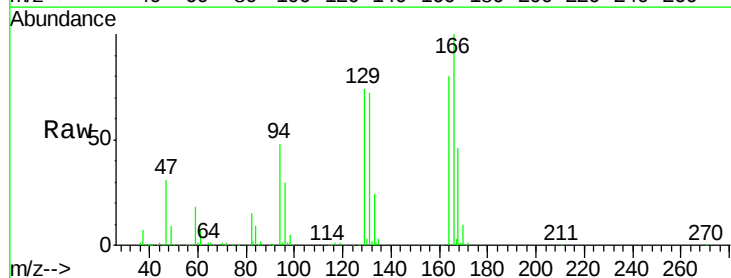
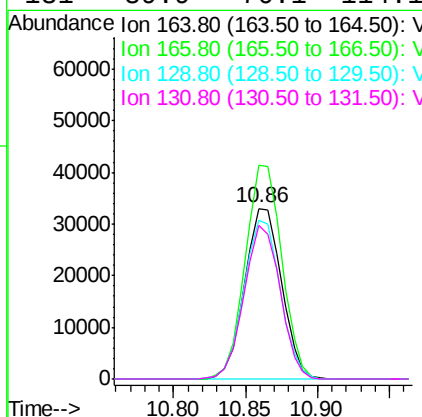
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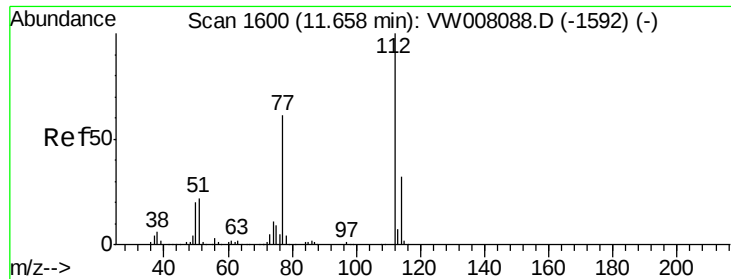
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#64
Tetrachloroethene
Concen: 54.519 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	58483		
166	125.2	100.7	151.1	
129	93.2	81.0	121.4	
131	89.9	76.1	114.1	





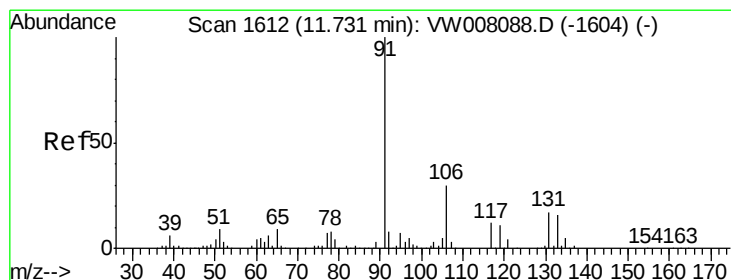
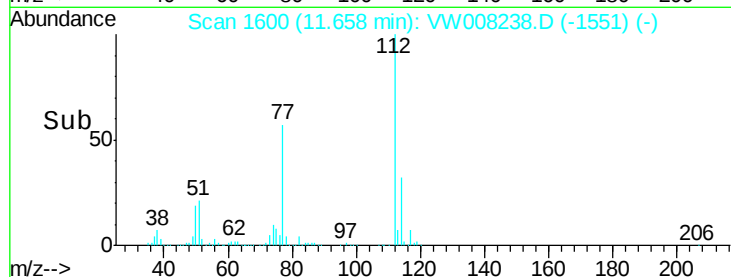
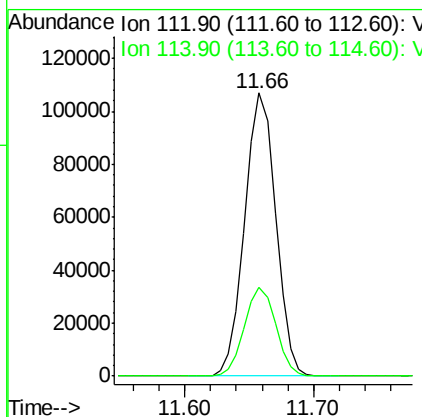
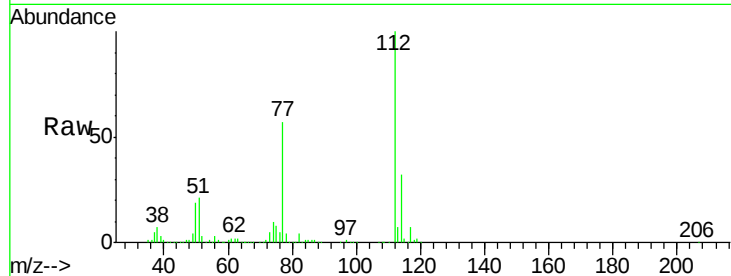
#65
Chlorobenzene
Concen: 51.123 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 178526
Ion Ratio Lower Upper
112 100
114 31.5 25.6 38.4

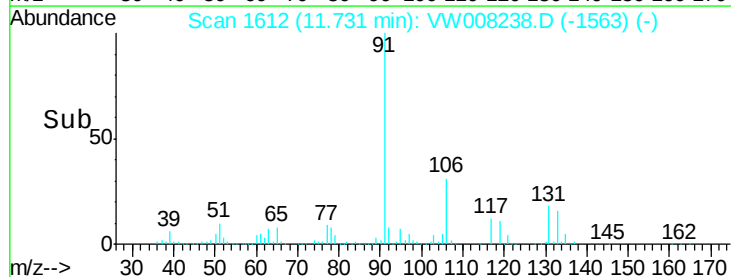
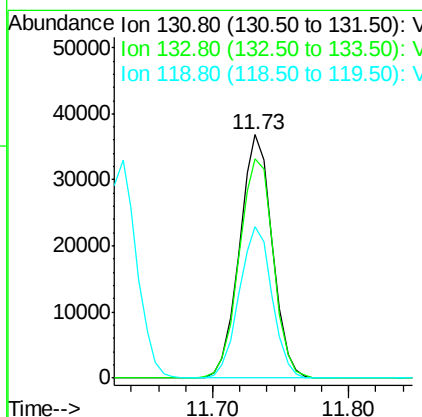
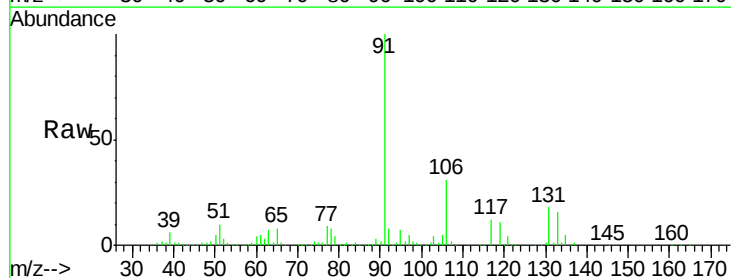
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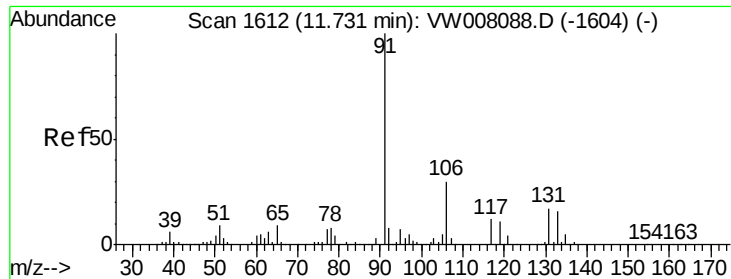
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.391 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion:131 Resp: 61778
Ion Ratio Lower Upper
131 100
133 94.4 47.9 143.7
119 62.4 32.5 97.4





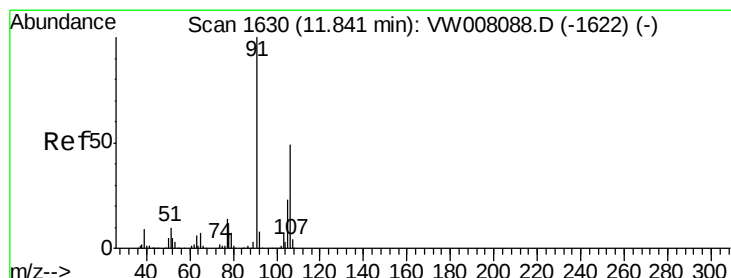
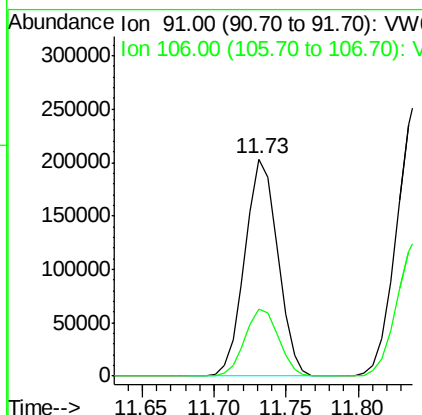
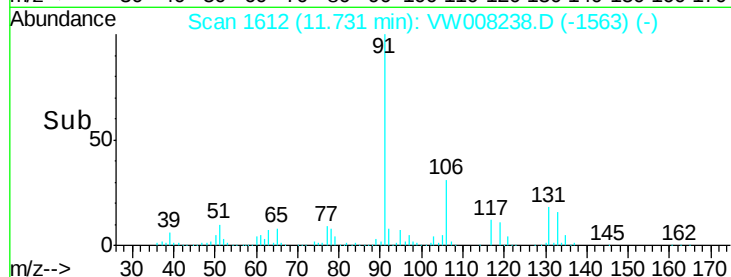
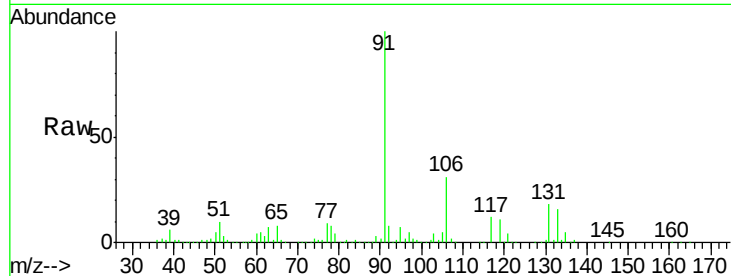
#67
Ethyl Benzene
Concen: 50.441 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 322297
Ion Ratio Lower Upper
91 100
106 30.9 24.2 36.4

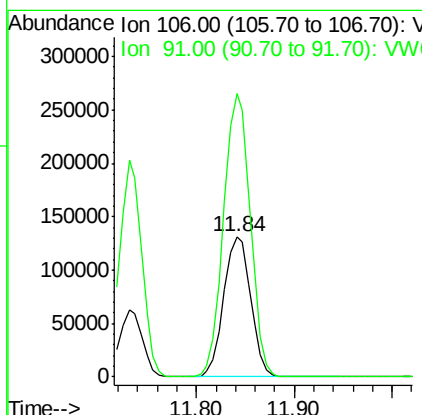
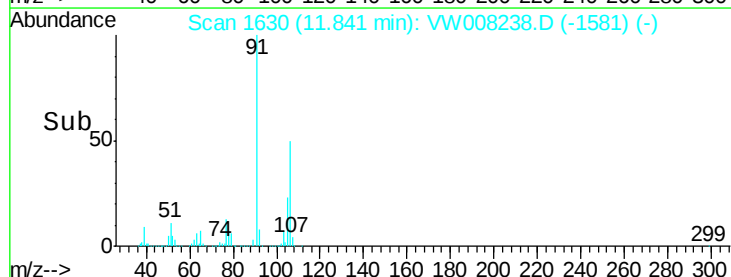
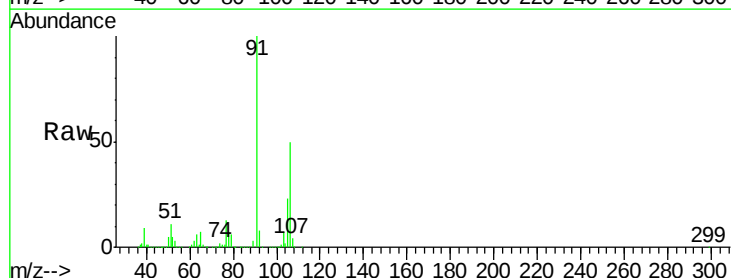
Manual Integrations
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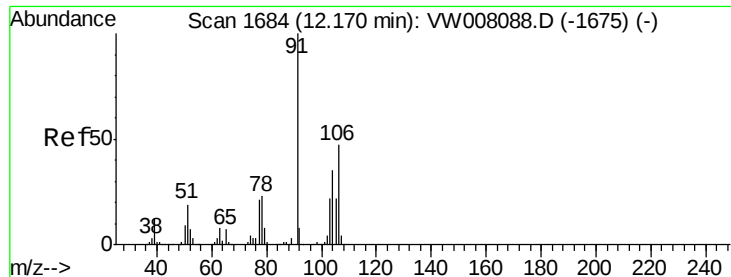
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#68
m/p-Xylenes
Concen: 102.722 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion: 106 Resp: 250518
Ion Ratio Lower Upper
106 100
91 199.6 162.4 243.6





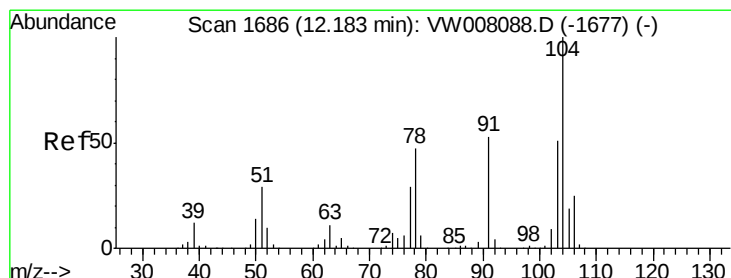
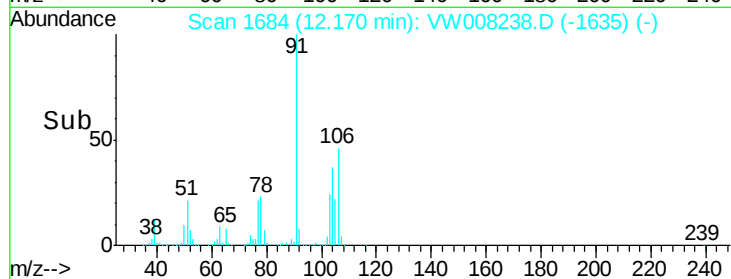
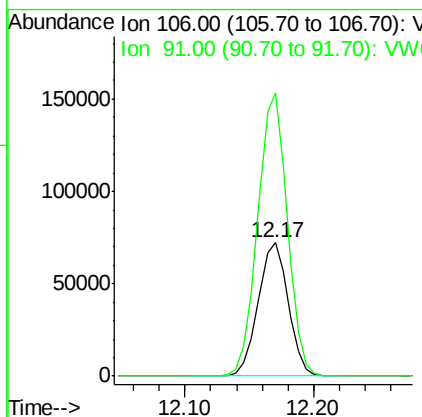
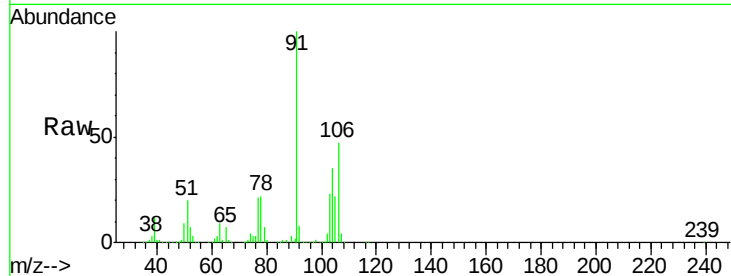
#69
o-Xylene
Concen: 51.487 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 116281
Ion Ratio Lower Upper
106 100
91 208.9 107.8 323.6

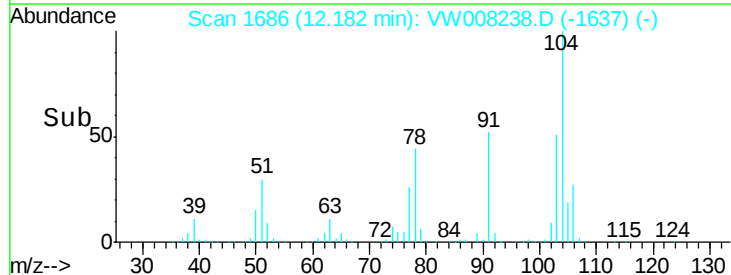
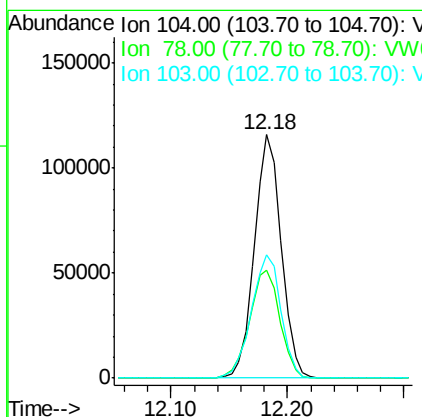
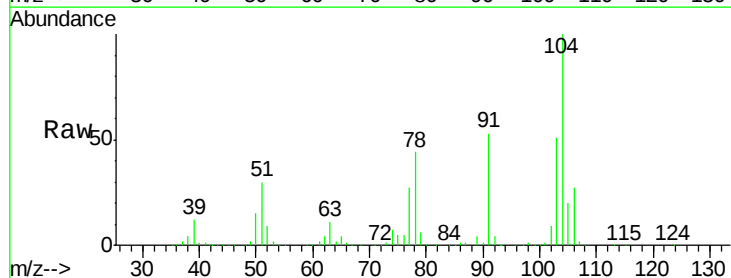
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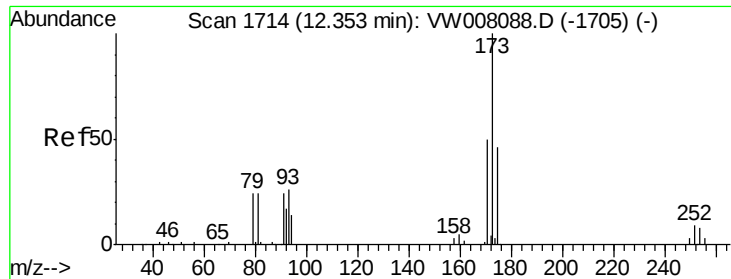
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#70
Styrene
Concen: 52.421 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion:104 Resp: 185437
Ion Ratio Lower Upper
104 100
78 50.5 41.8 62.8
103 55.9 43.8 65.8





#71

Bromoform

Concen: 56.115 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

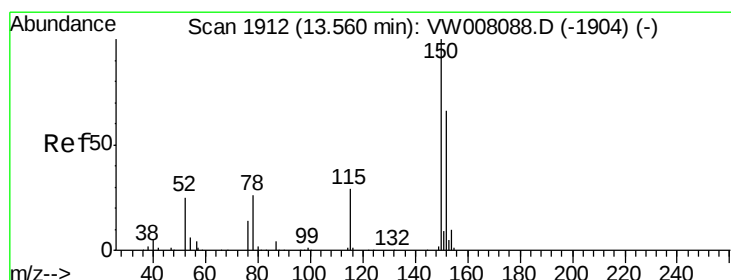
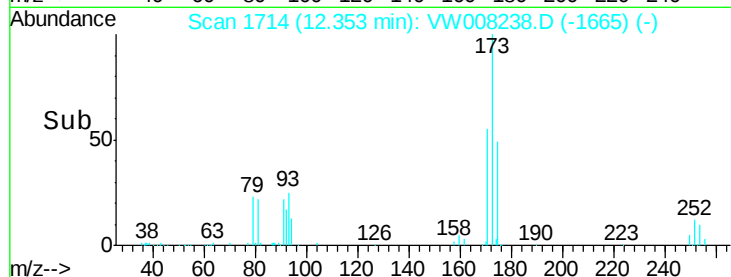
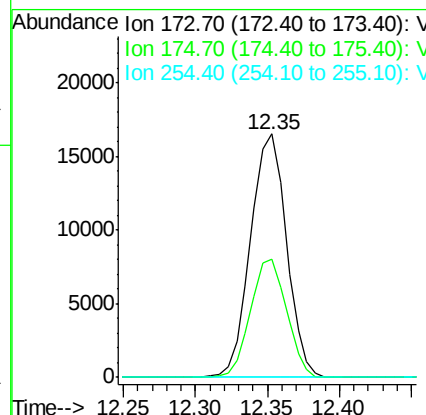
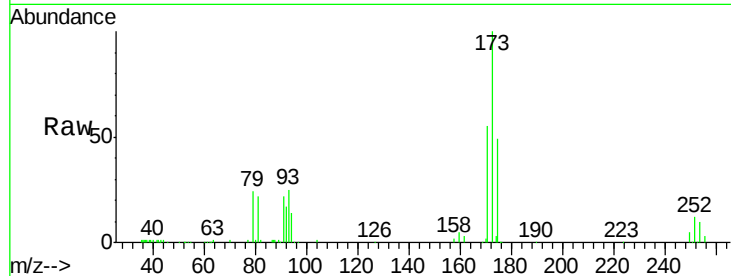
ClientSampleId :

VSTDCCC050

Tot Ion:	173	Resp:	28525
Ion Ratio	Lower	Upper	
173	100		
175	48.6	23.3	69.8
254	0.0	0.0	0.0

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

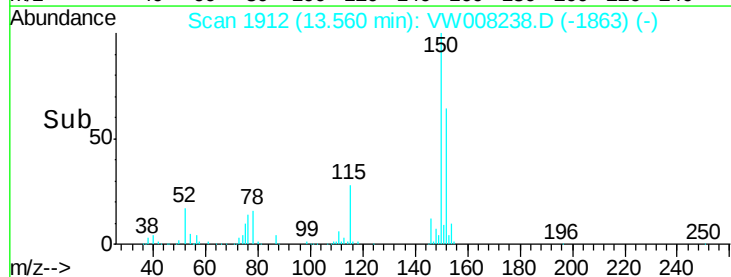
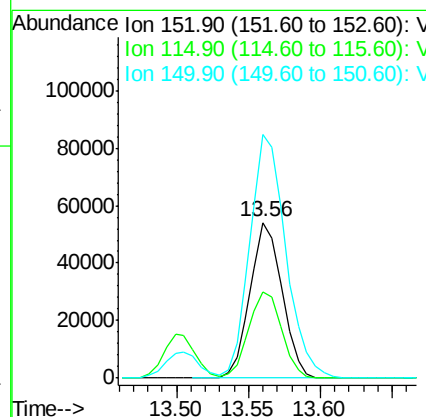
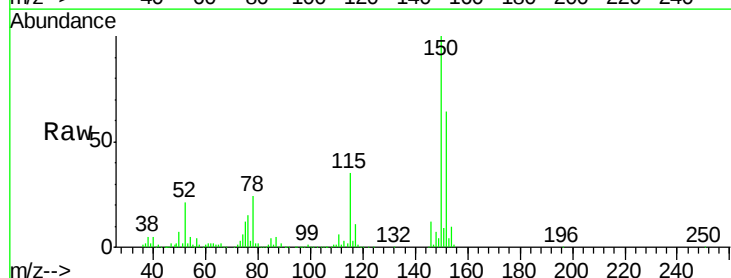
RT: 13.56 min Scan# 1912

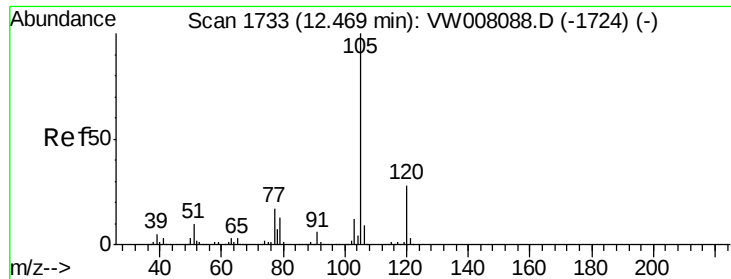
Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	152	Resp:	83385
Ion Ratio	Lower	Upper	
152	100		
115	57.2	30.8	92.4
150	174.9	0.0	350.2





#73

Isopropylbenzene

Concen: 49.428 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 323579

Ion Ratio Lower Upper

105 100

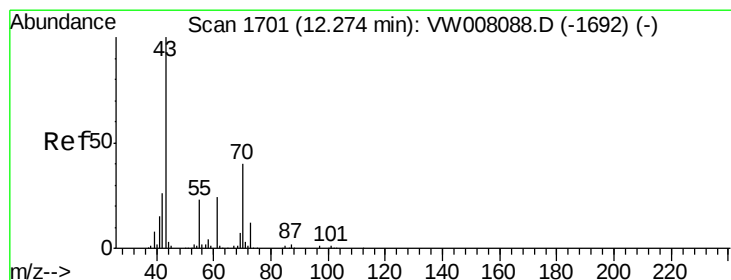
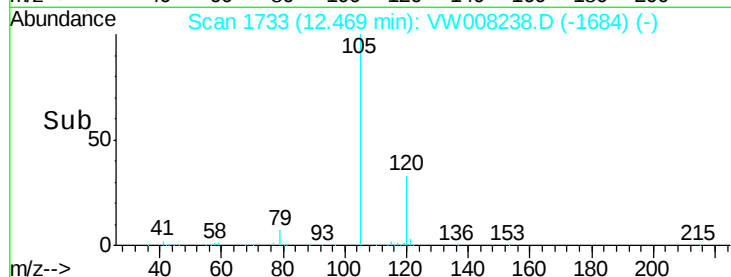
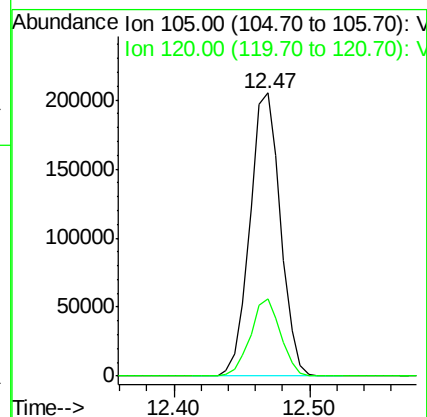
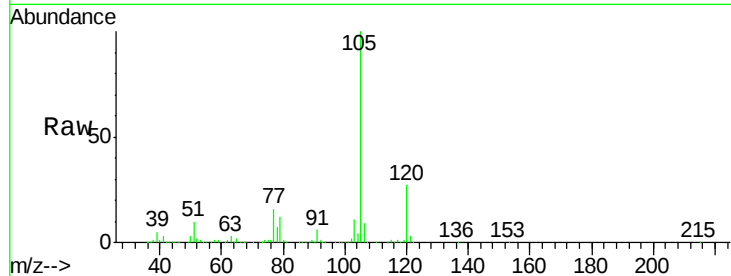
120 26.8 13.6 40.8

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#74

N-ethyl acetate

Concen: 41.826 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion: 43 Resp: 60638

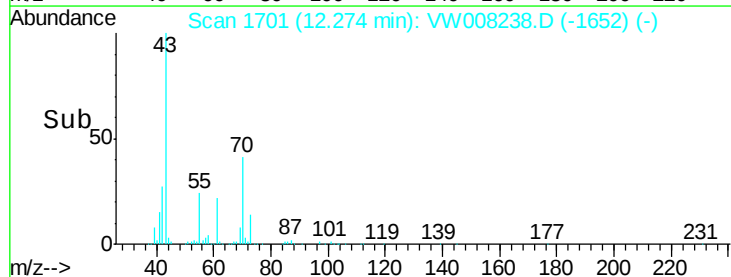
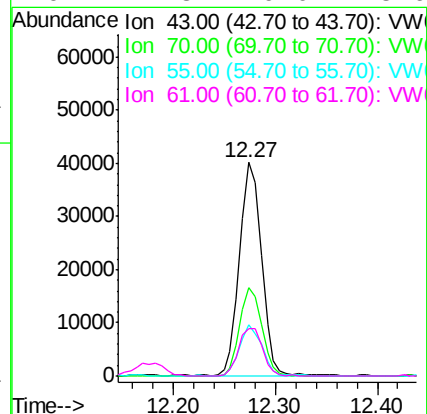
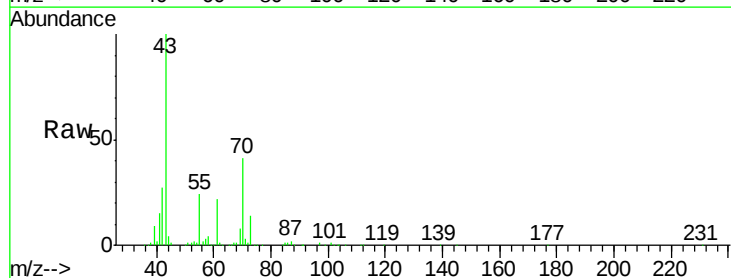
Ion Ratio Lower Upper

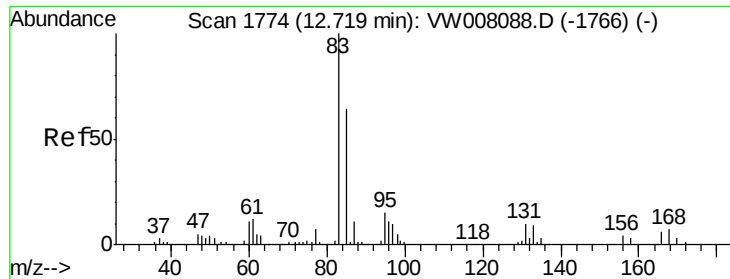
43 100

70 41.4 32.4 48.6

55 24.3 18.7 28.1

61 24.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 45.422 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

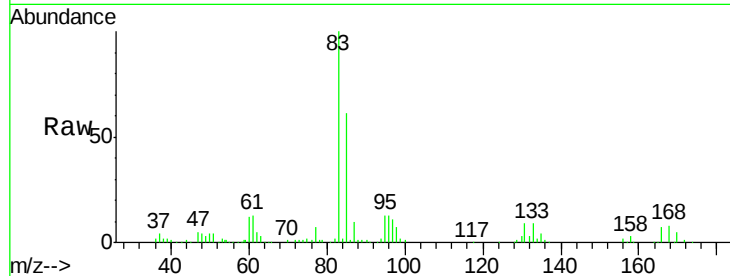
ClientSampleId :

VSTDCCC050

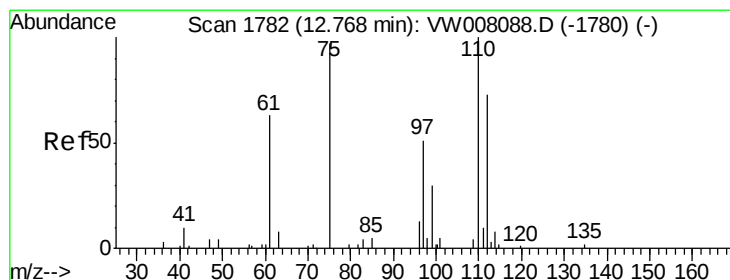
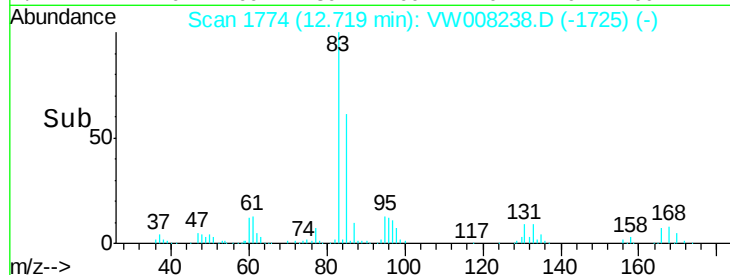
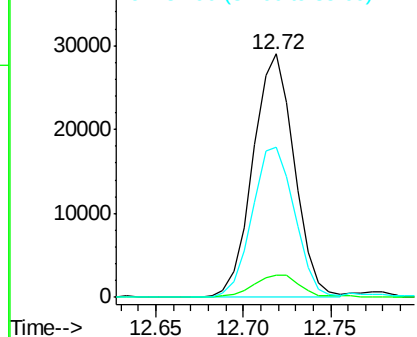
Tot Ion:	83	Resp:	47596
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	63.5	32.4	97.2

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Abundance Ion 82.90 (82.60 to 83.60): VW
Ion 130.80 (130.50 to 131.50): V
Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 46.866 ug/l m

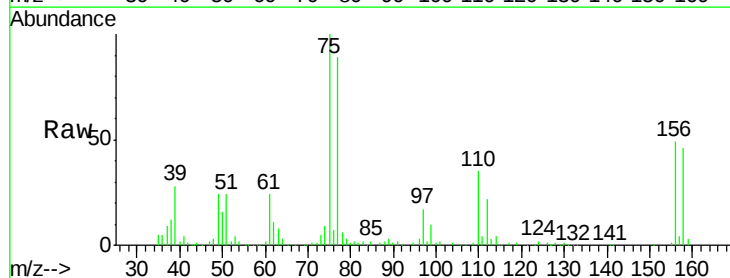
RT: 12.77 min Scan# 1782

Delta R.T. -0.00 min

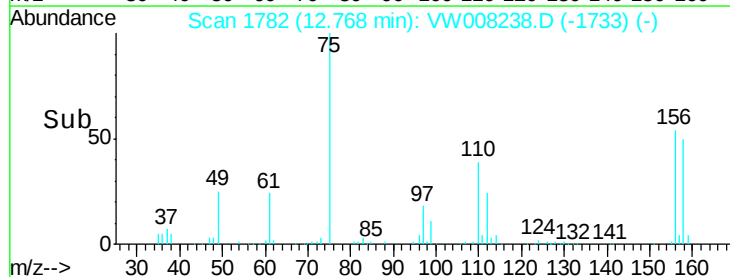
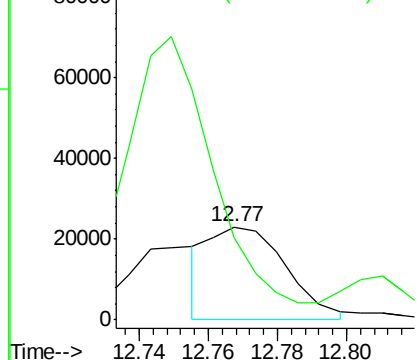
Lab File: VW008238.D

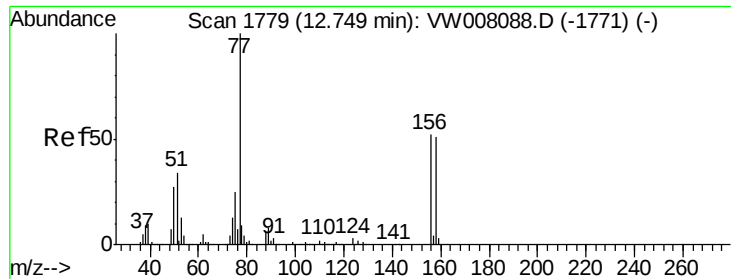
Acq: 14 Jan 2019 10:59

Tgt Ion:	75	Resp:	35625
Ion Ratio	Lower	Upper	
75	100		
77	362.4	179.4	538.2



Abundance Ion 74.90 (74.60 to 75.60): VW
Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 51.252 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

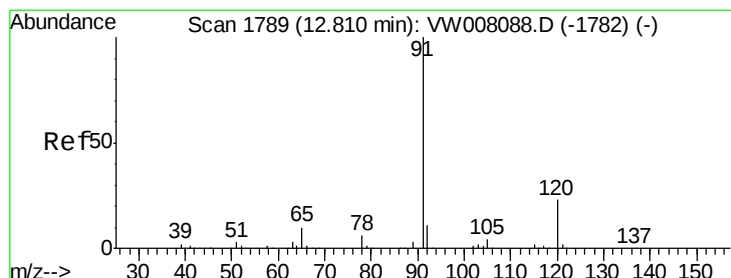
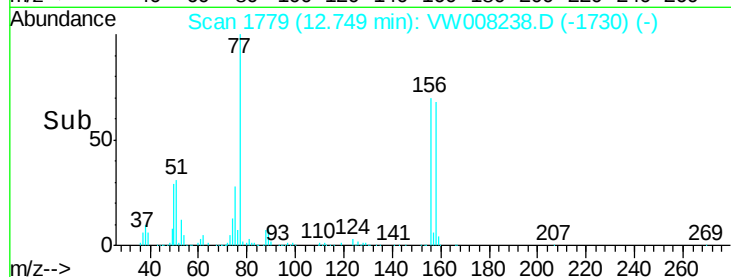
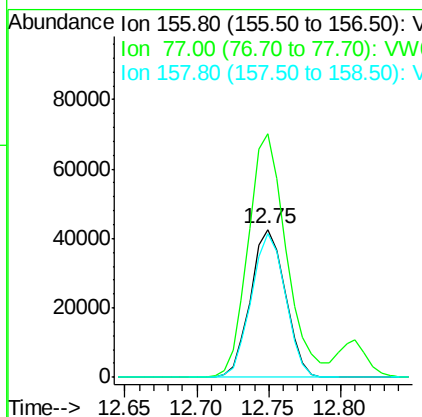
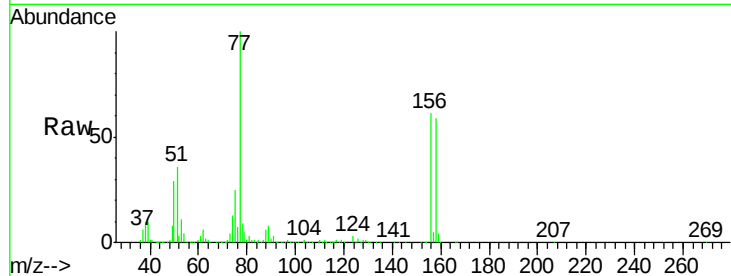
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	182.1	104.2	312.5
158	96.1	47.9	143.6

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#78

n-propylbenzene

Concen: 48.563 ug/l

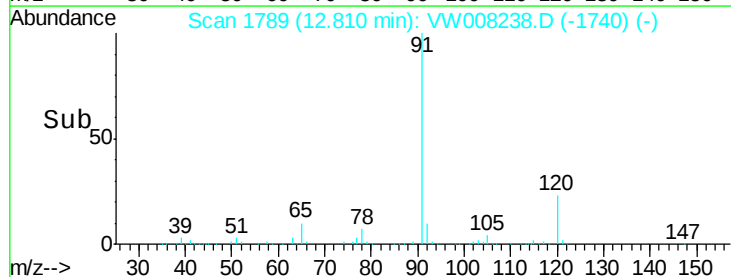
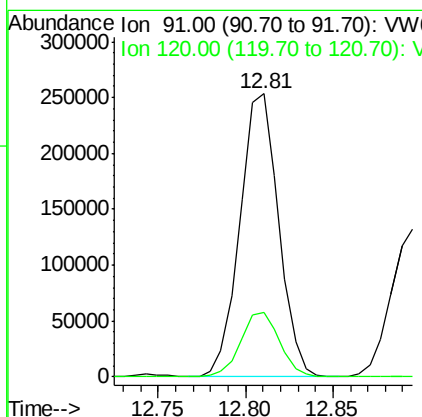
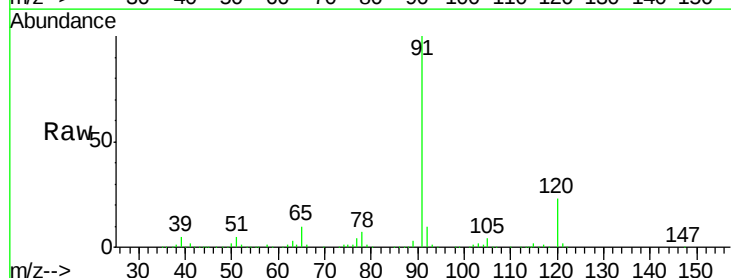
RT: 12.81 min Scan# 1789

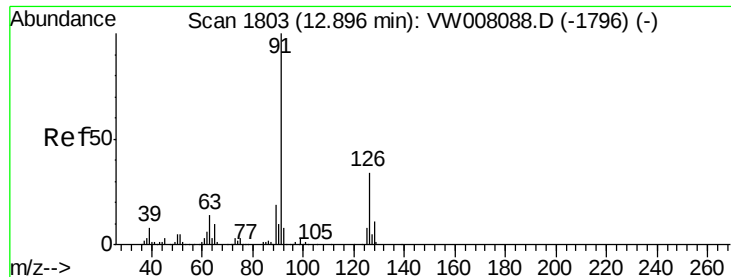
Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.0	11.3	33.8





#79

2-Chlorotoluene

Concen: 47.502 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 212579

Ion Ratio Lower Upper

91 100

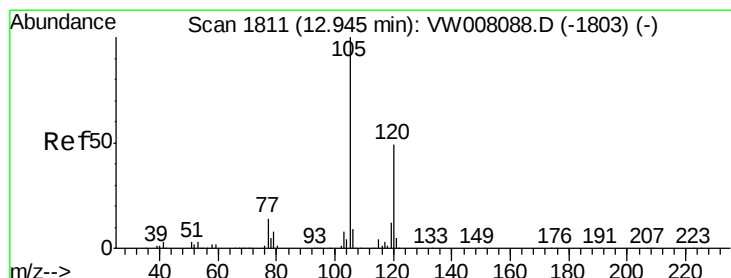
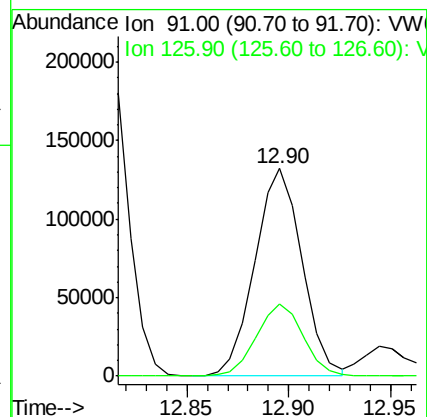
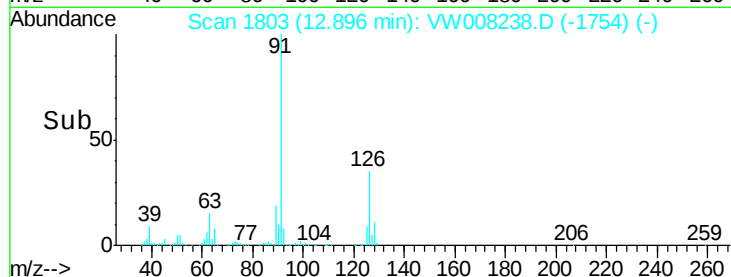
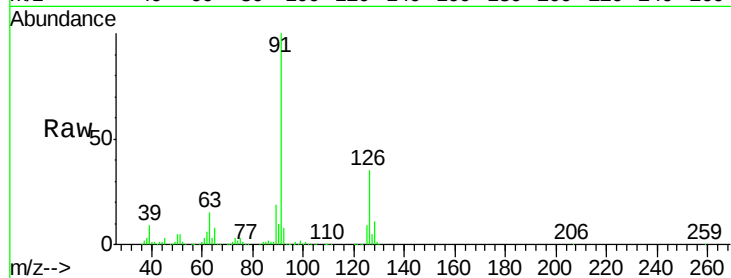
126 34.5 16.8 50.3

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#80

1,3,5-Trimethylbenzene

Concen: 48.791 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008238.D

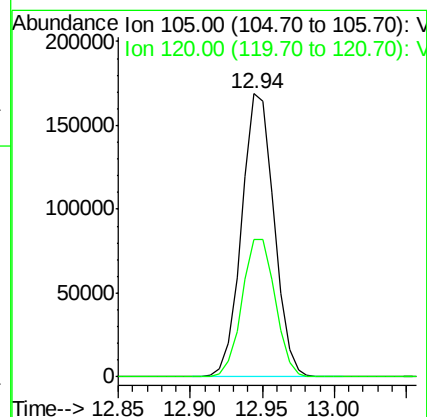
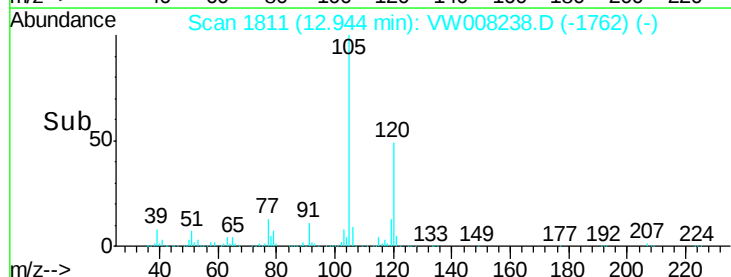
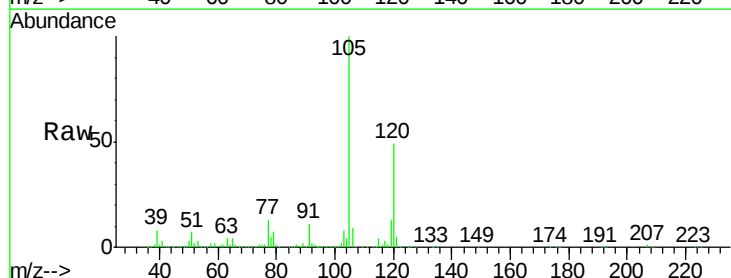
Acq: 14 Jan 2019 10:59

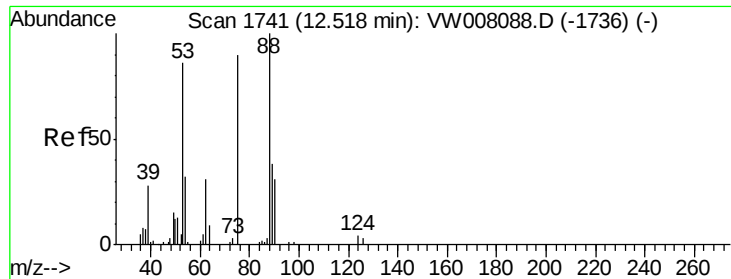
Tgt Ion:105 Resp: 262477

Ion Ratio Lower Upper

105 100

120 50.1 24.7 74.1





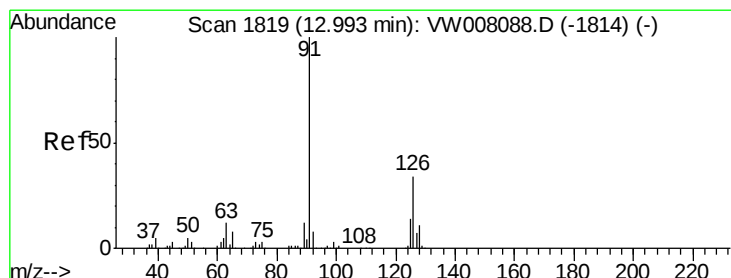
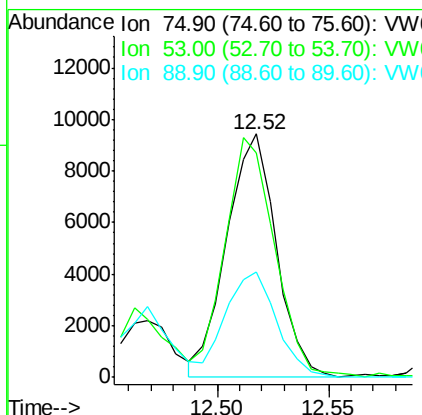
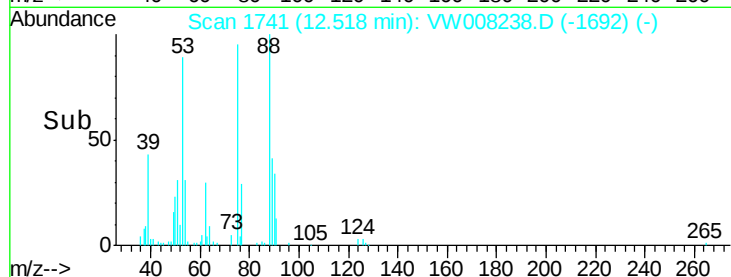
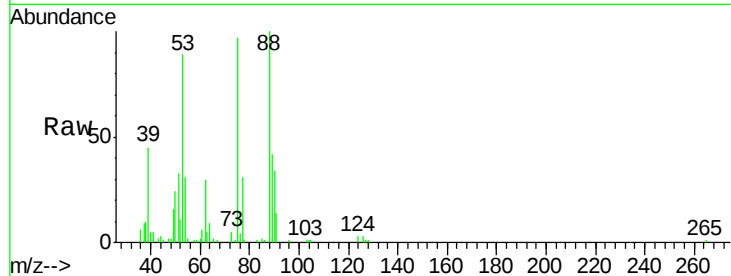
#81
trans-1,4-Dichloro-2-butene
Concen: 44.791 ug/l
RT: 12.52 min Scan# 1741
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.5	78.8	118.2
89	43.9	35.4	53.2

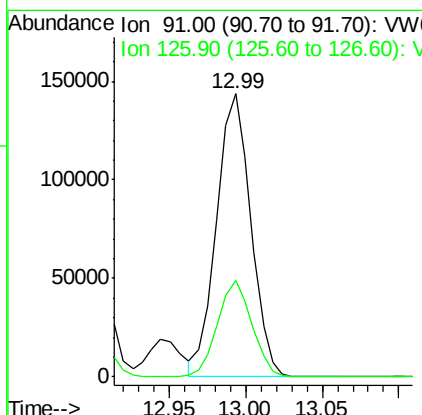
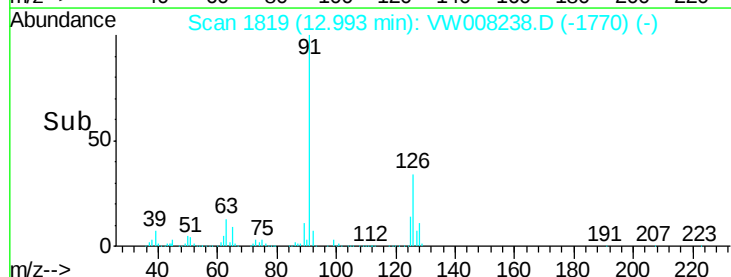
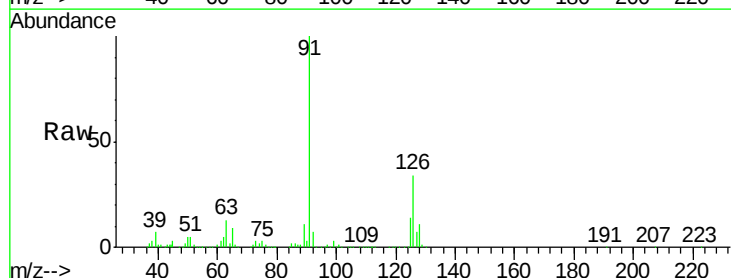
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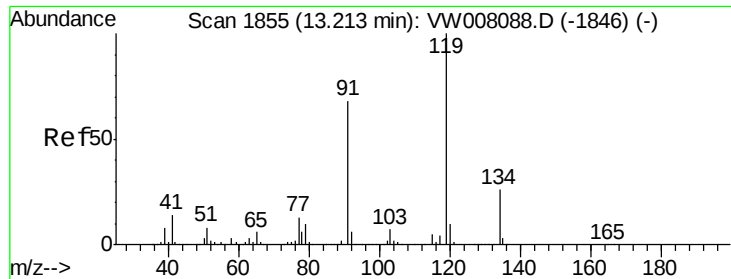
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#82
4-Chlorotoluene
Concen: 47.488 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.5	49.5





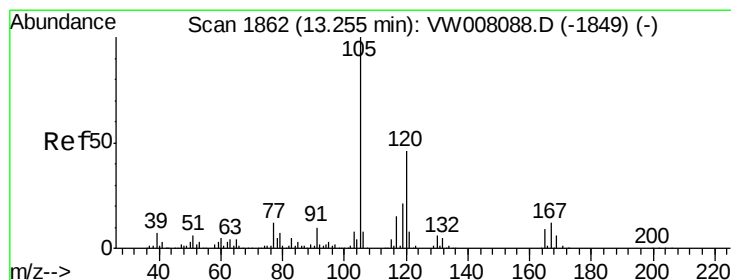
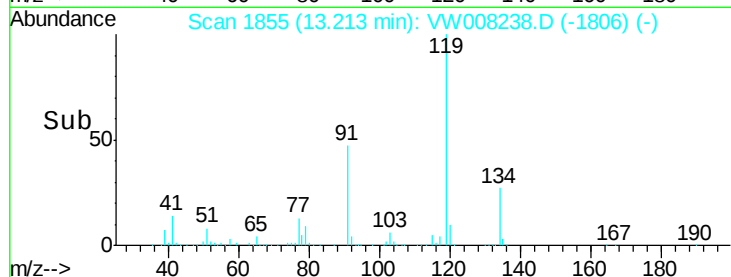
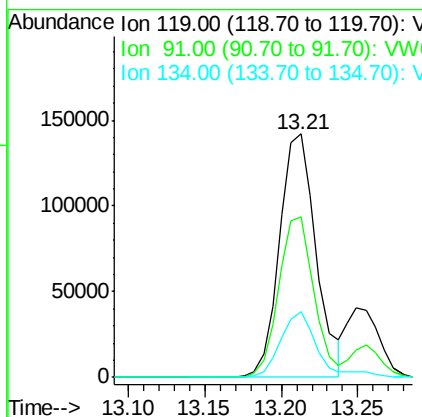
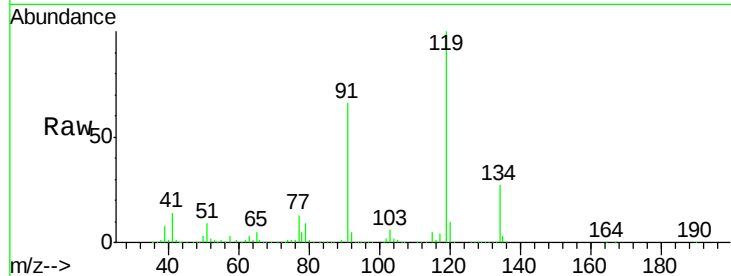
#83
tert-Butylbenzene
Concen: 49.444 ug/l
RT: 13.21 min Scan# 1855
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235319		
91	63.9		33.9	101.6
134	27.3		13.6	40.8

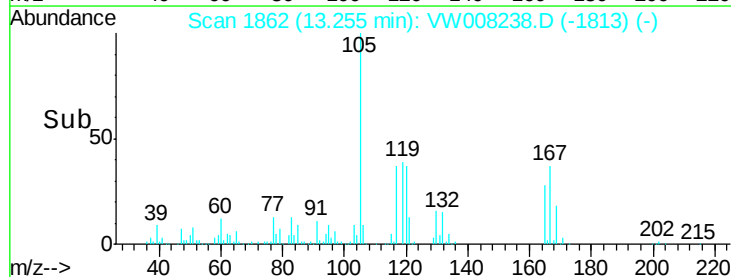
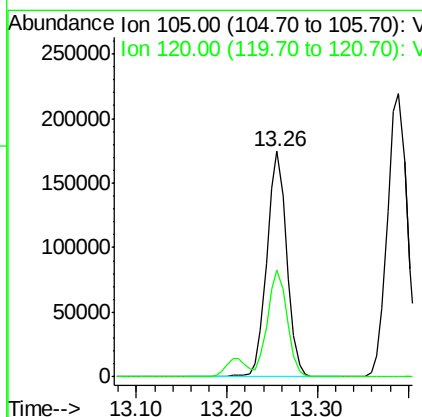
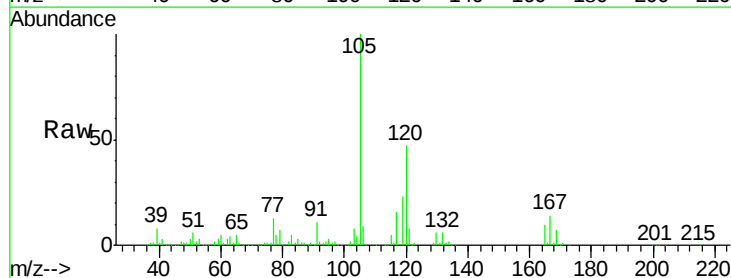
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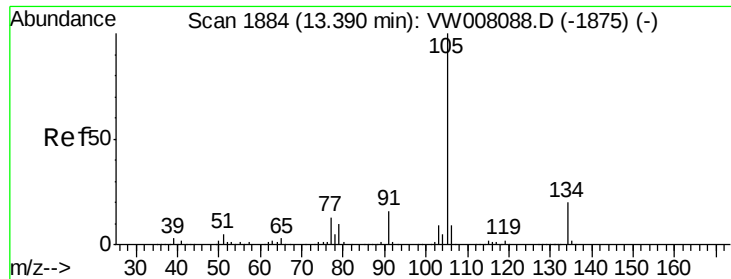
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#84
1,2,4-Trimethylbenzene
Concen: 47.690 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	264605		
120	46.3		22.7	68.1





#85

sec-Butylbenzene

Concen: 48.317 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 336849

Ion Ratio Lower Upper

105 100

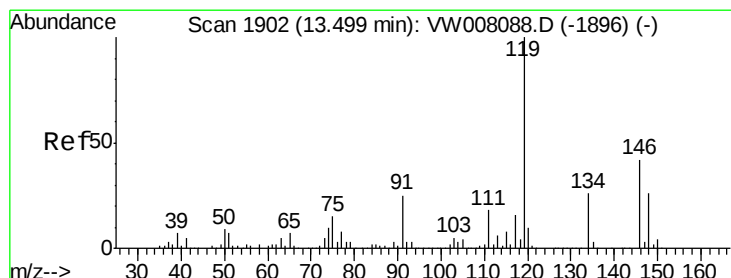
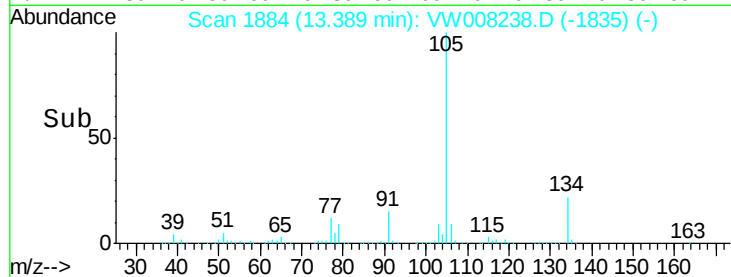
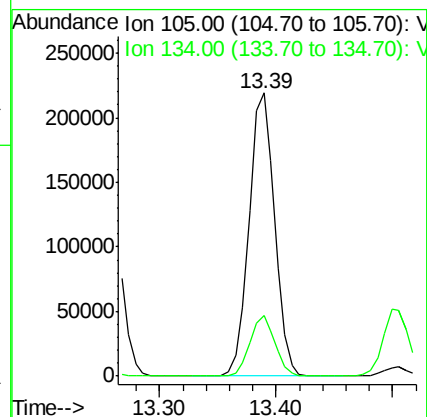
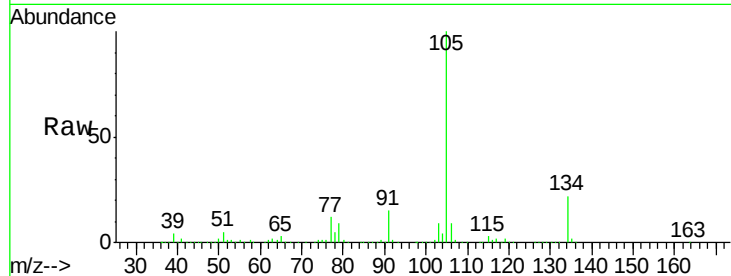
134 21.0 10.1 30.1

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#86

p-Isopropyltoluene

Concen: 48.865 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

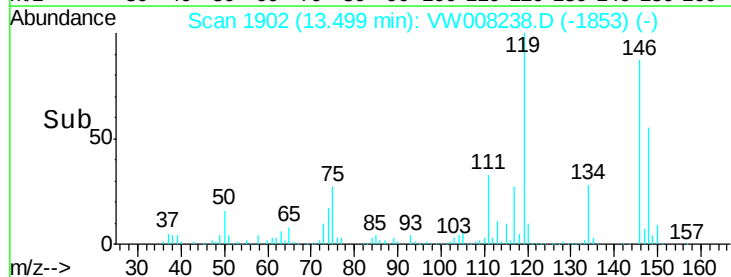
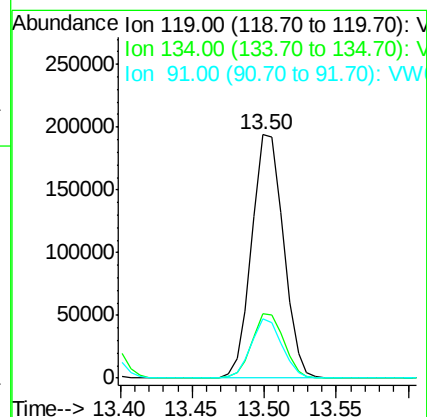
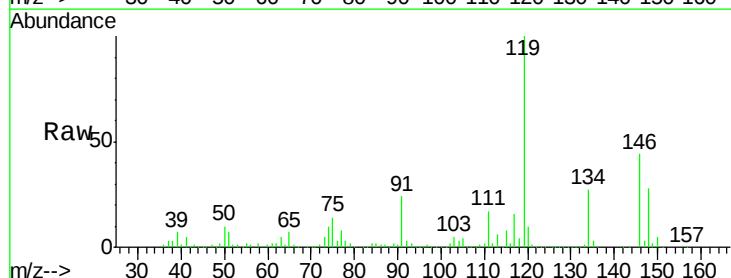
Tgt Ion:119 Resp: 294182

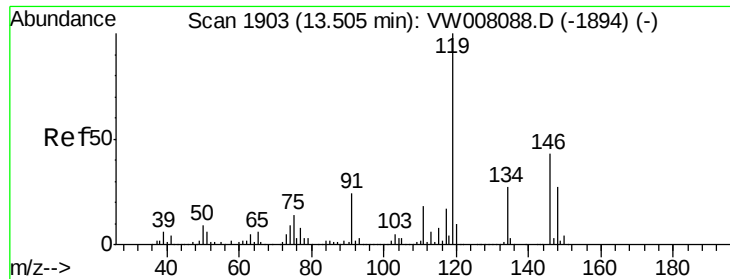
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.8

91 23.7 12.3 36.9





#87

1,3-Dichlorobenzene

Concen: 51.069 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

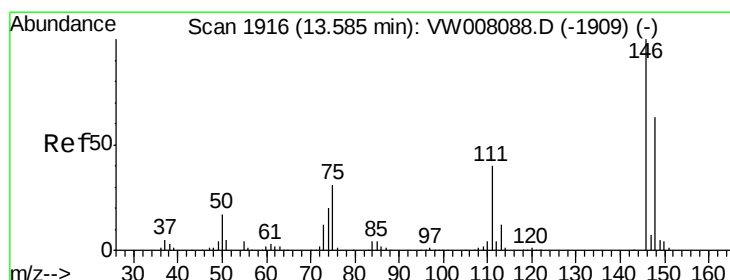
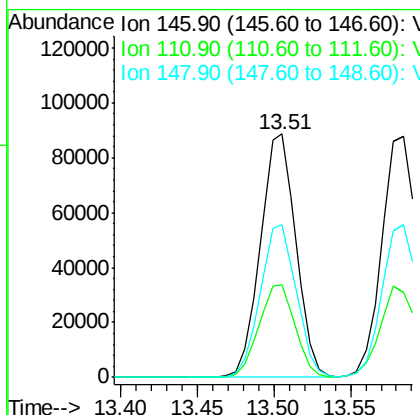
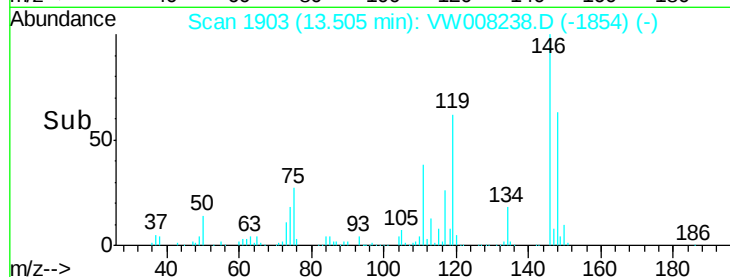
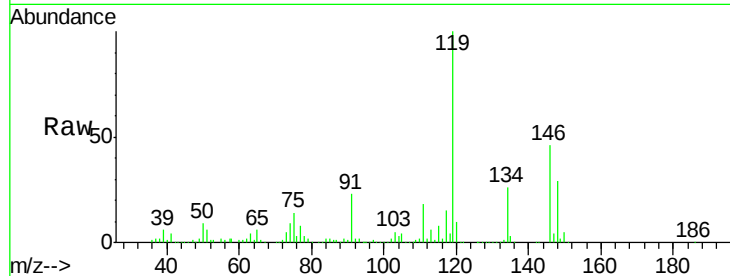
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	143300
Ion Ratio	Lower	Upper	
146	100		
111	39.0	21.1	63.1
148	63.9	31.3	93.9

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#88

1,4-Dichlorobenzene

Concen: 50.108 ug/l

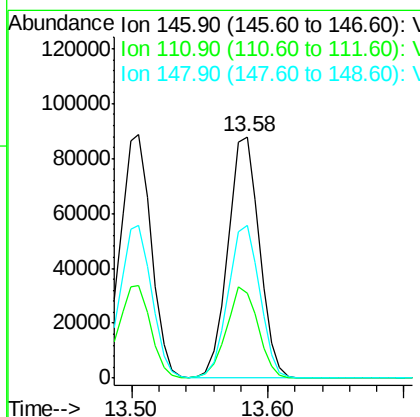
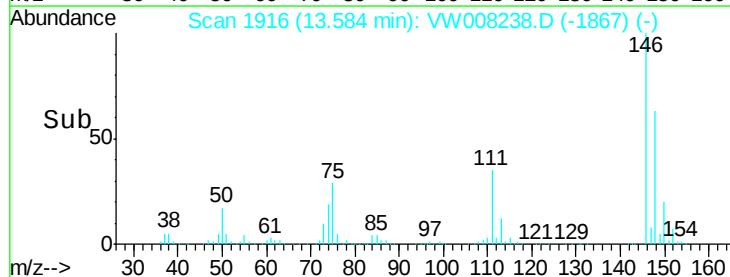
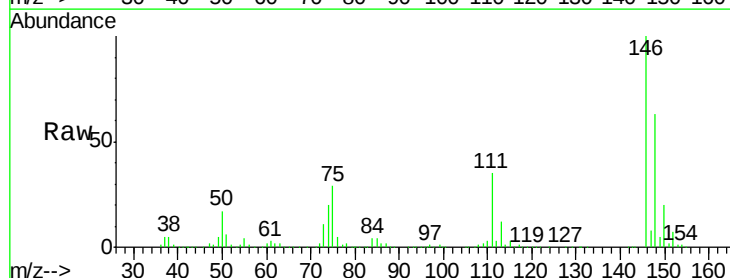
RT: 13.58 min Scan# 1916

Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	146	Resp:	141066
Ion Ratio	Lower	Upper	
146	100		
111	38.1	20.5	61.5
148	64.0	31.6	94.8





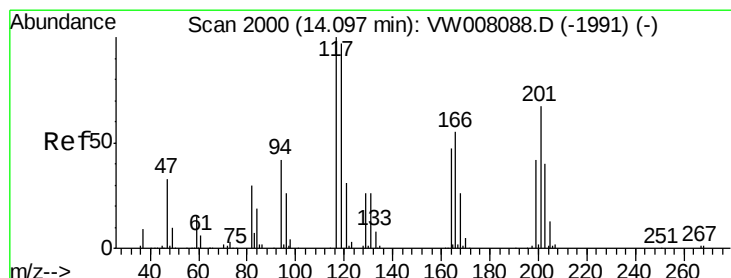
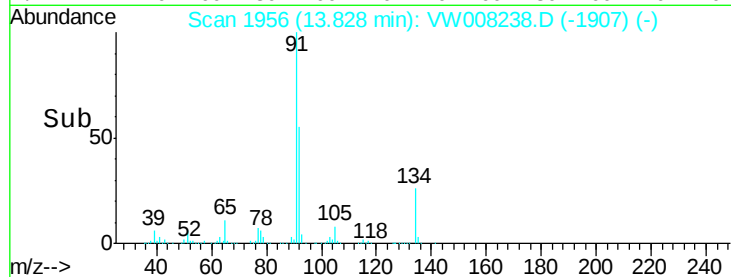
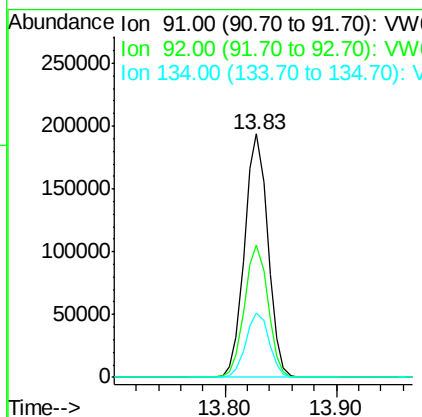
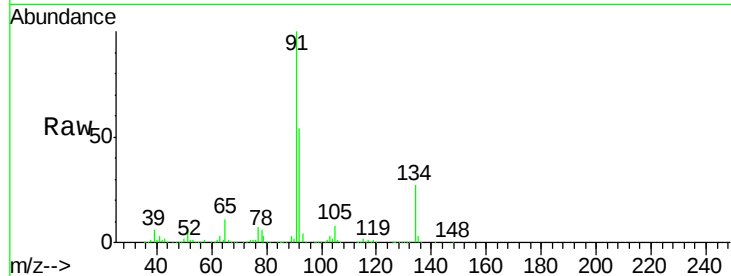
#89
n-Butylbenzene
Concen: 48.034 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.4	82.2
134	26.6	12.6	37.8

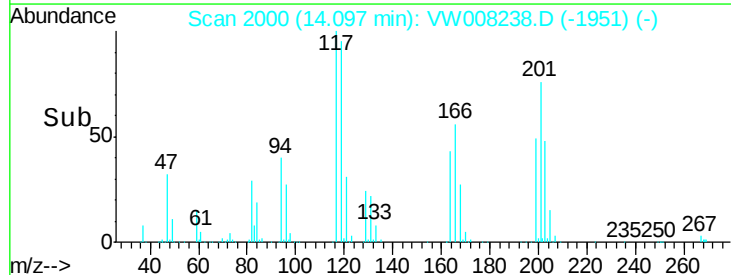
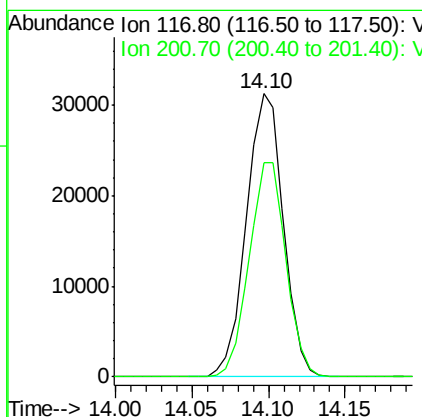
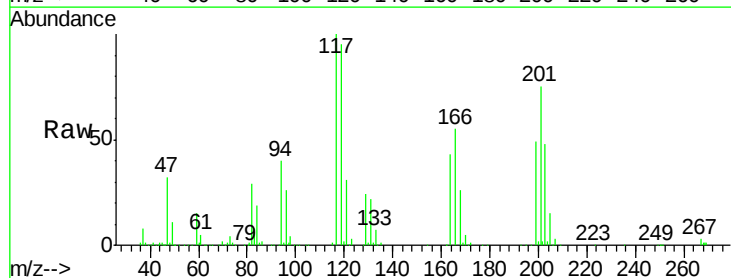
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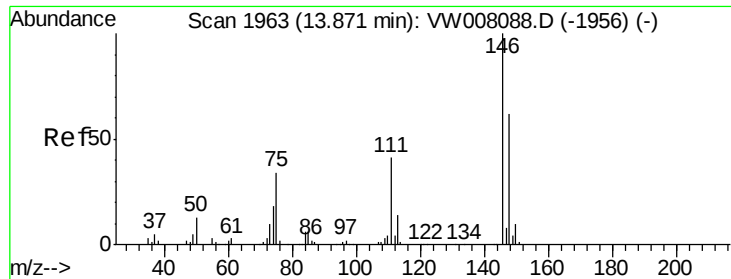
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#90
Hexachloroethane
Concen: 51.594 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.3	33.0	98.9





#91

1,2-Dichlorobenzene

Concen: 49.851 ug/l

RT: 13.88 min Scan# 1964

Delta R.T. 0.01 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Instrument :

MSVOA_W

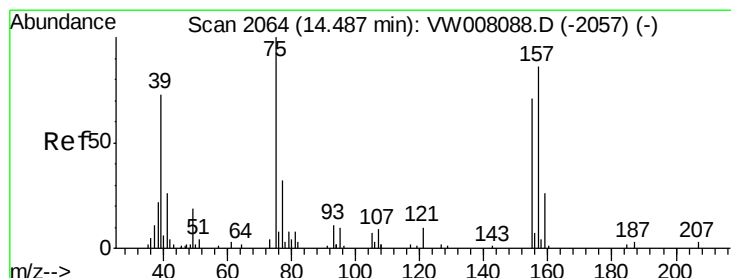
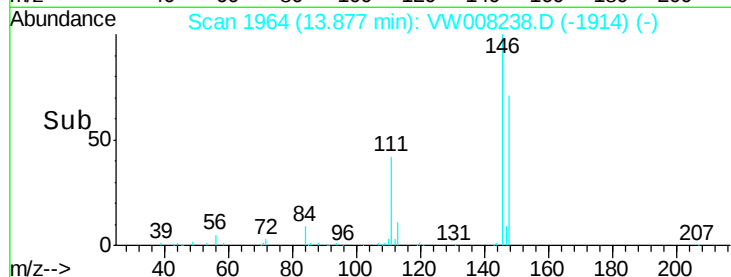
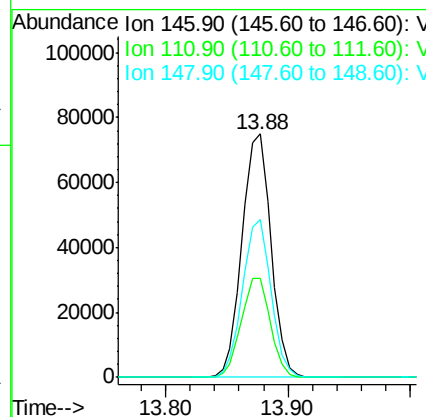
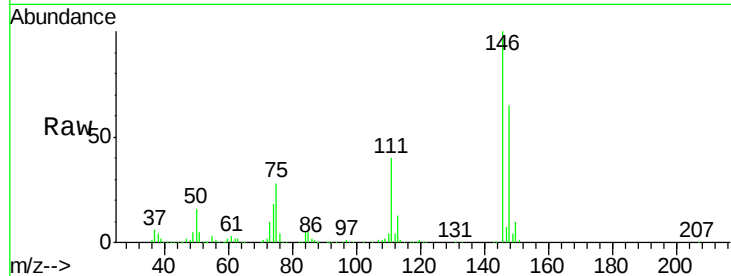
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	122934
Ion Ratio	Lower	Upper	
146	100		
111	41.0	21.3	63.7
148	63.9	31.5	94.5

Manual Integrations
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#92

1,2-Dibromo-3-Chloropropane

Concen: 40.828 ug/l

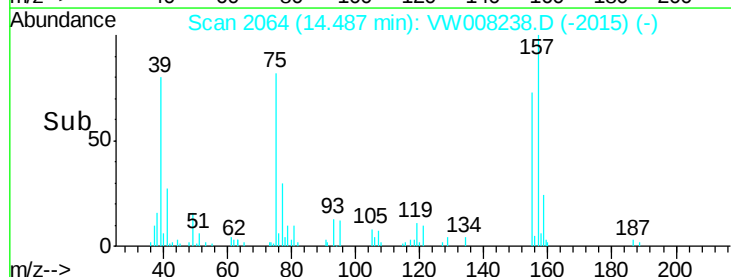
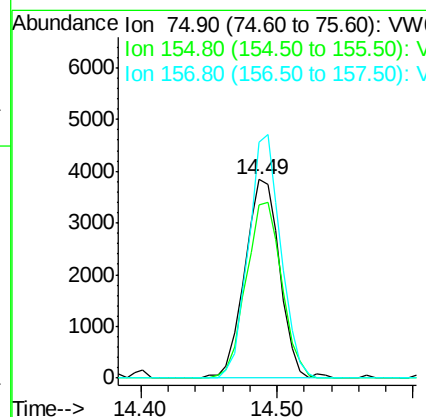
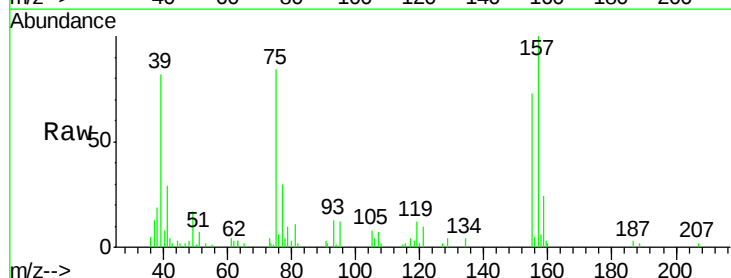
RT: 14.49 min Scan# 2064

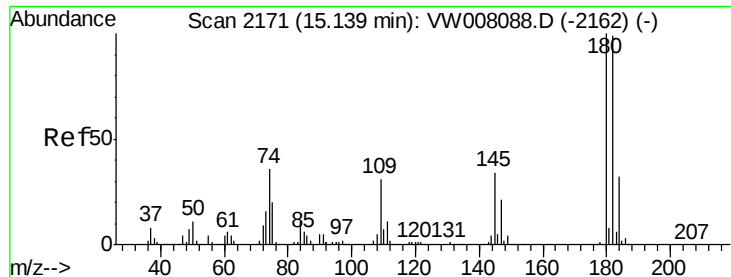
Delta R.T. -0.00 min

Lab File: VW008238.D

Acq: 14 Jan 2019 10:59

Tgt Ion:	75	Resp:	6885
Ion Ratio	Lower	Upper	
75	100		
155	90.0	38.6	115.7
157	113.4	47.5	142.6





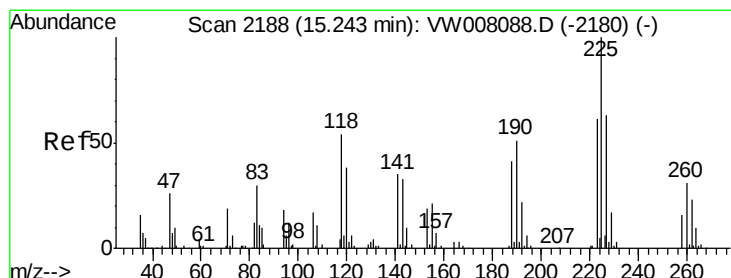
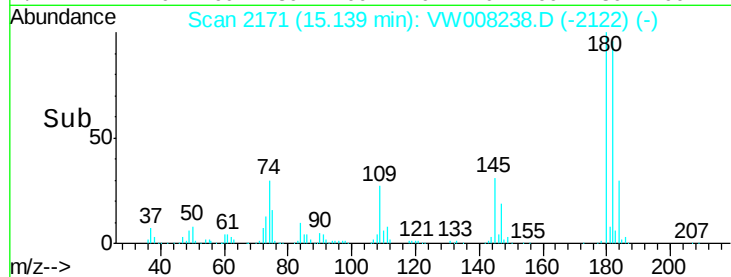
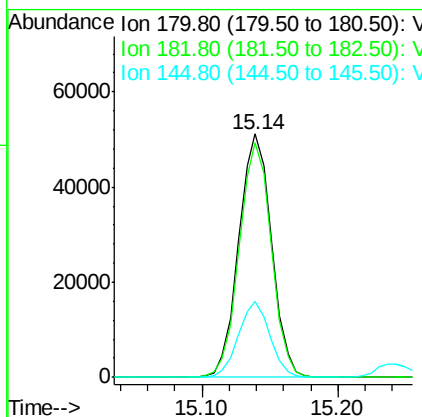
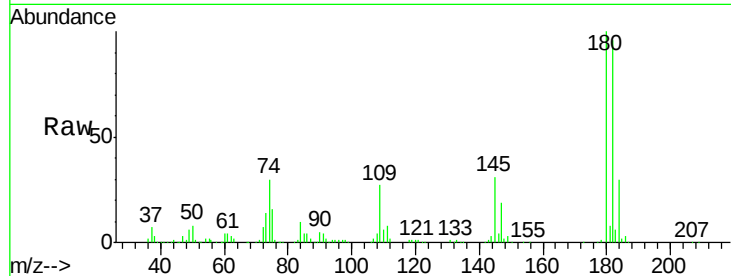
#93
 1,2,4-Trichlorobenzene
 Concen: 52.527 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	86000		
182	94.3		48.6	145.9
145	30.0		16.6	49.7

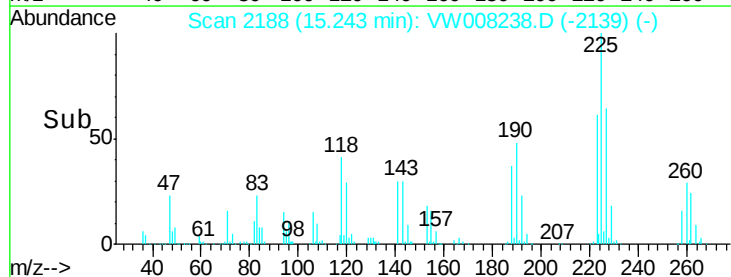
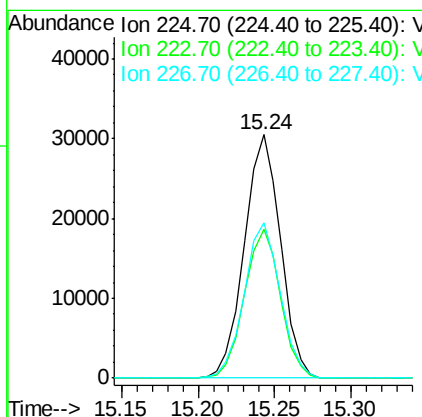
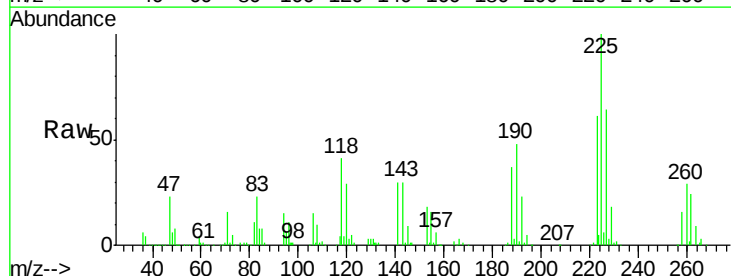
Manual Integrations
 APPROVED

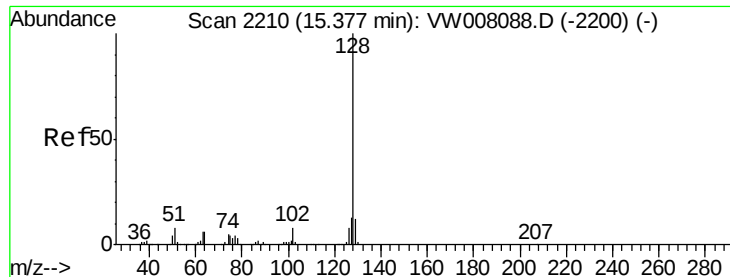
apatel
 1/15/2019 2:08:34 PM



#94
 Hexachlorobutadiene
 Concen: 57.258 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008238.D
 Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50176		
223	60.6		31.4	94.3
227	63.5		32.0	96.2





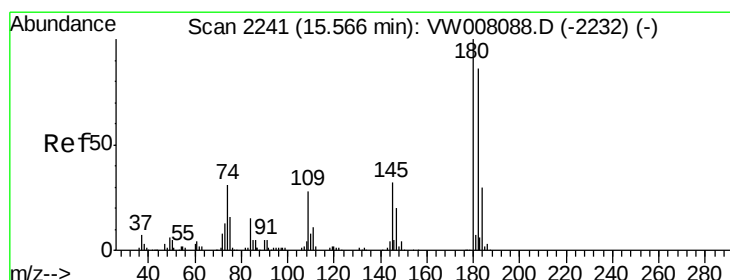
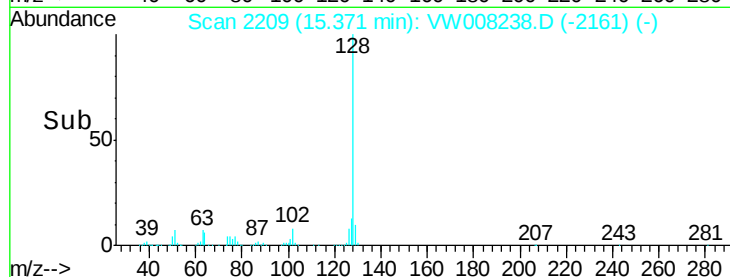
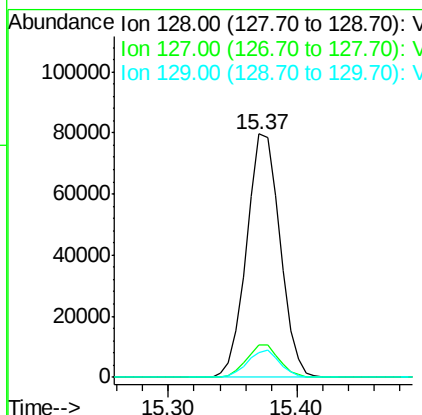
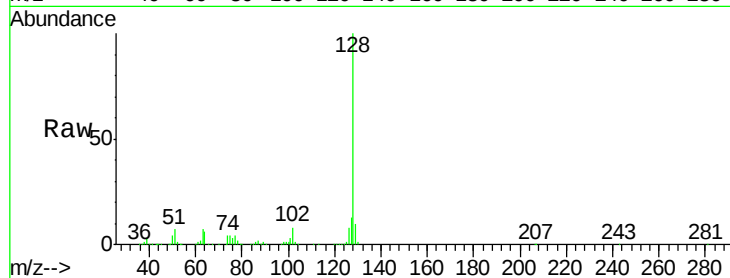
#95
Naphthalene
Concen: 46.651 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. -0.01 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	11.0	16.4
129	11.0	9.0	13.6

Manual Integrations
APPROVED

apatel
1/15/2019 2:08:34 PM



#96
1,2,3-Trichlorobenzene
Concen: 52.673 ug/l
RT: 15.57 min Scan# 2241
Delta R.T. -0.00 min
Lab File: VW008238.D
Acq: 14 Jan 2019 10:59

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.5	139.3
145	32.2	17.4	52.2

