

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW011119\
 Data File : VW008214.D
 Acq On : 12 Jan 2019 01:25
 Operator : SY/VA
 Sample : VSTDCCC050
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Manual Integrations
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Quant Time: Jan 12 03:23:30 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	94907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	167468	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	154635	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.57	152	75685	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	50088	46.96	ug/l	0.00
Spiked Amount			Recovery	=	93.92%	
35) Dibromofluoromethane	7.88	113	50822	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
50) Toluene-d8	10.32	98	203413	49.63	ug/l	0.00
Spiked Amount			Recovery	=	99.26%	
62) 4-Bromofluorobenzene	12.62	95	70464	47.95	ug/l	0.00
Spiked Amount			Recovery	=	95.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	34274	44.249	ug/l	94
3) Chloromethane	2.21	50	47173	46.944	ug/l	99
4) Vinyl Chloride	2.37	62	61381	46.802	ug/l	97
5) Bromomethane	2.78	94	49112	49.988	ug/l	95
6) Chloroethane	2.93	64	42027	42.585	ug/l	96
7) Trichlorofluoromethane	3.26	101	49387	46.319	ug/l	94
8) Diethyl Ether	3.68	74	29401	48.777	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.06	101	53503	50.541	ug/l	97
10) Methyl Iodide	4.26	142	81663	52.930	ug/l	99
11) Tert butyl alcohol	5.21	59	16929m	260.145	ug/l	
12) 1,1-Dichloroethene	4.03	96	50598	48.683	ug/l	94
13) Acrolein	3.90	56	18435	259.653	ug/l	99
14) Allyl chloride	4.67	41	93372	49.481	ug/l	99
15) Acrylonitrile	5.37	53	60217	262.401	ug/l	99
16) Acetone	4.13	43	45093	233.816	ug/l	94
17) Carbon Disulfide	4.37	76	159336	49.075	ug/l	98
18) Methyl Acetate	4.67	43	37780	56.040	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	86325	51.090	ug/l	97
20) Methylene Chloride	4.91	84	58639	56.456	ug/l	99
21) trans-1,2-Dichloroethene	5.42	96	59120	52.343	ug/l	96
22) Diisopropyl ether	6.31	45	186496	51.821	ug/l	98
23) Vinyl Acetate	6.26	43	476235	251.960	ug/l	99
24) 1,1-Dichloroethane	6.22	63	106782	50.923	ug/l	99
25) 2-Butanone	7.18	43	72134	243.054	ug/l	100
26) 2,2-Dichloropropane	7.16	77	65040	45.777	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	65870	53.453	ug/l	94
28) Bromochloromethane	7.51	49	41601	50.158	ug/l	92
29) Tetrahydrofuran	7.53	42	51527	259.914	ug/l	99
30) Chloroform	7.68	83	106104	53.160	ug/l	96
31) Cyclohexane	7.96	56	96250	42.877	ug/l	99
32) 1,1,1-Trichloroethane	7.87	97	89306	51.423	ug/l	99
36) 1,1-Dichloropropene	8.08	75	84284	48.858	ug/l	98
37) Ethyl Acetate	7.25	43	34021	49.226	ug/l	97
38) Carbon Tetrachloride	8.06	117	79107	50.101	ug/l	98

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	105088	48.043	ug/l	92
40) Benzene	8.32	78	244703	52.299	ug/l	98
41) Methacrylonitrile	7.49	41	21811	49.959	ug/l	94
42) 1,2-Dichloroethane	8.40	62	67660	51.414	ug/l	99
43) Isopropyl Acetate	8.43	43	68227	49.375	ug/l	99
44) Trichloroethene	9.09	130	63606	53.105	ug/l	99
45) 1,2-Dichloropropane	9.37	63	62064	53.496	ug/l	92
46) Dibromomethane	9.46	93	30838	54.124	ug/l	96
47) Bromodichloromethane	9.65	83	77934	53.868	ug/l #	97
48) Methyl methacrylate	9.44	41	32641	50.061	ug/l	89
49) 1,4-Dioxane	9.47	88	10021	1093.648	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	170350	254.680	ug/l	100
52) Toluene	10.39	92	157347	52.657	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	77196	51.297	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	92596	51.889	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	43354	54.196	ug/l	98
56) Ethyl methacrylate	10.65	69	53174	53.675	ug/l	99
57) 1,3-Dichloropropane	10.93	76	78685	53.783	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	130349	254.721	ug/l	98
59) 2-Hexanone	10.97	43	112814	249.408	ug/l	98
60) Dibromochloromethane	11.13	129	51673	58.824	ug/l	100
61) 1,2-Dibromoethane	11.24	107	41900	55.201	ug/l	100
64) Tetrachloroethene	10.86	164	54586	54.241	ug/l	92
65) Chlorobenzene	11.66	112	172652	52.701	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	57369	53.840	ug/l	99
67) Ethyl Benzene	11.73	91	303405	50.616	ug/l	99
68) m/p-Xylenes	11.84	106	238168	104.097	ug/l	95
69) o-Xylene	12.17	106	110706	52.251	ug/l	97
70) Styrene	12.18	104	181572	54.713	ug/l	98
71) Bromoform	12.35	173	27730	58.148	ug/l #	96
73) Isopropylbenzene	12.47	105	300270	50.534	ug/l	99
74) N-amyl acetate	12.27	43	62783	47.712	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.72	83	49493	52.038	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	36250m	52.540	ug/l	
77) Bromobenzene	12.75	156	66827	53.226	ug/l	91
78) n-propylbenzene	12.81	91	362146	49.741	ug/l	99
79) 2-Chlorotoluene	12.90	91	203718	50.153	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	252731	51.759	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	14035	47.370	ug/l	99
82) 4-Chlorotoluene	12.99	91	213171	49.830	ug/l	98
83) tert-Butylbenzene	13.21	119	219586	50.832	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	254469	50.529	ug/l	98
85) sec-Butylbenzene	13.39	105	316087	49.951	ug/l	99
86) p-Isopropyltoluene	13.50	119	274431	50.222	ug/l	99
87) 1,3-Dichlorobenzene	13.51	146	137141	53.847	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	134178	52.510	ug/l	99
89) n-Butylbenzene	13.83	91	263279	49.194	ug/l	98
90) Hexachloroethane	14.10	117	49167	53.270	ug/l	94
91) 1,2-Dichlorobenzene	13.88	146	118090	52.758	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	7736	50.541	ug/l	91

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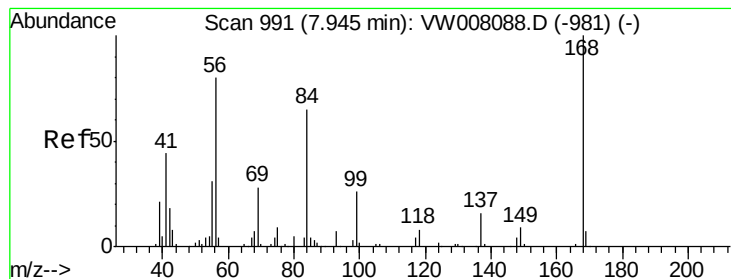
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	78739	52.985	ug/l	99
94) Hexachlorobutadiene	15.24	225	44747	56.257	ug/l	99
95) Naphthalene	15.38	128	147931	53.312	ug/l	99
96) 1,2,3-Trichlorobenzene	15.57	180	68249	53.874	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.01 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tot Ion: 168 Resp: 94907

Ion Ratio Lower Upper

168 100

99 57.1 52.6 78.8

Instrument :

MSVOA_W

ClientSampleId :

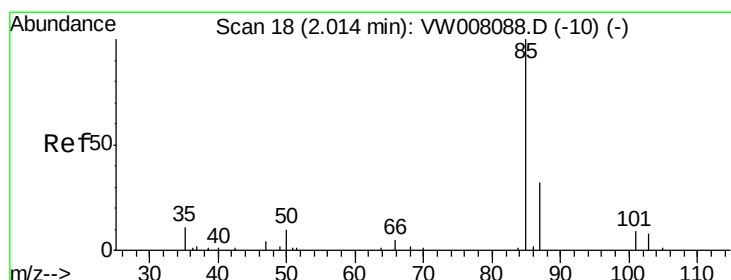
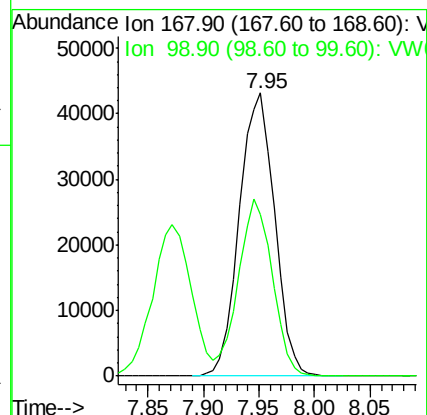
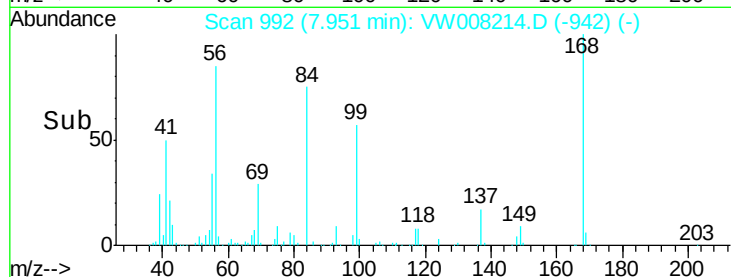
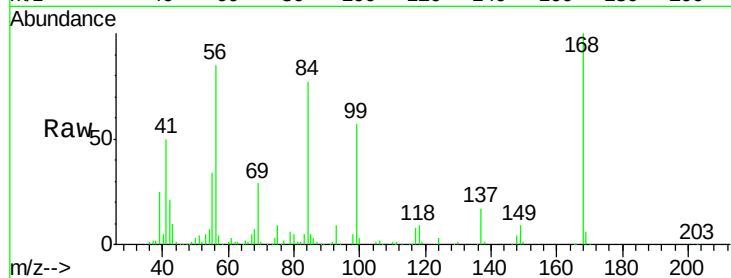
VSTDCCC050

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#2

Dichlorodifluoromethane

Concen: 44.249 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW008214.D

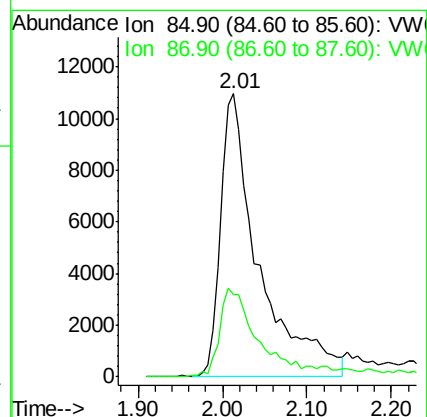
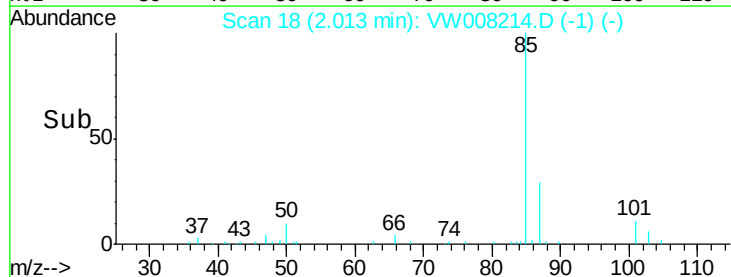
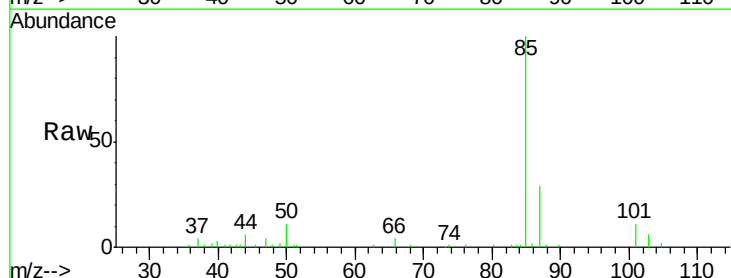
Acq: 12 Jan 2019 01:25

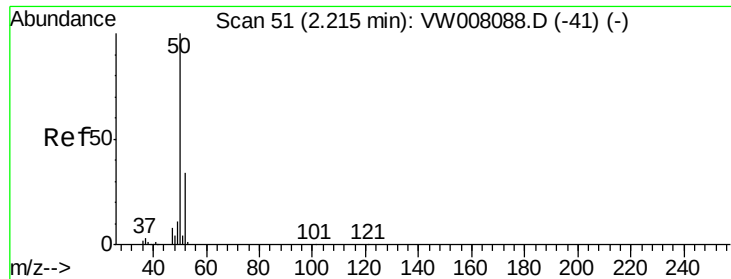
Tgt Ion: 85 Resp: 34274

Ion Ratio Lower Upper

85 100

87 28.6 16.1 48.3





#3

Chloromethane

Concen: 46.944 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 47173

Ion Ratio Lower Upper

50 100

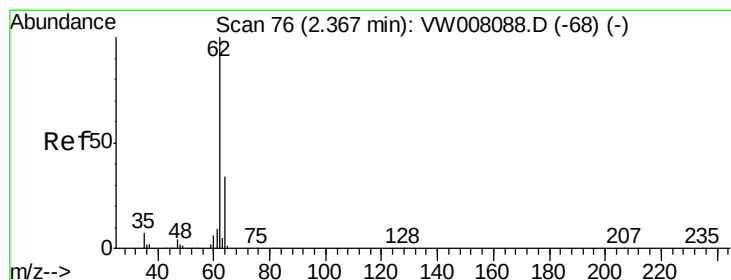
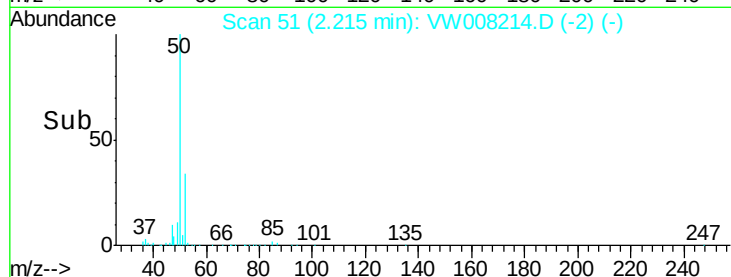
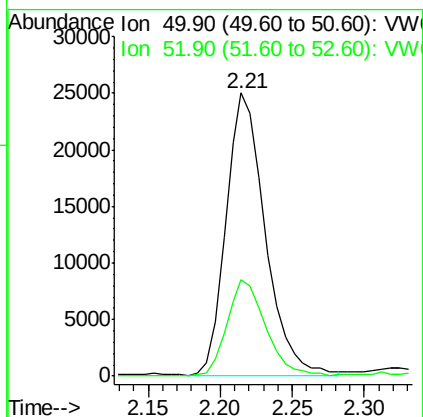
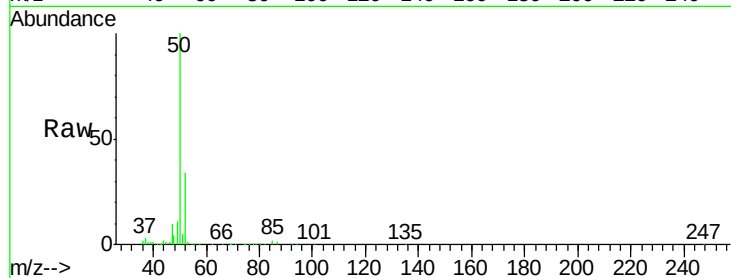
52 33.9 26.8 40.2

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#4

Vinyl Chloride

Concen: 46.802 ug/l

RT: 2.37 min Scan# 76

Delta R.T. -0.00 min

Lab File: VW008214.D

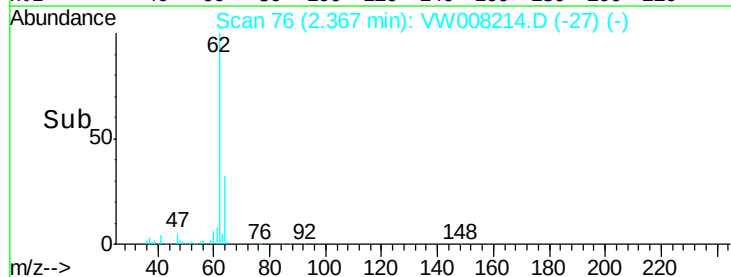
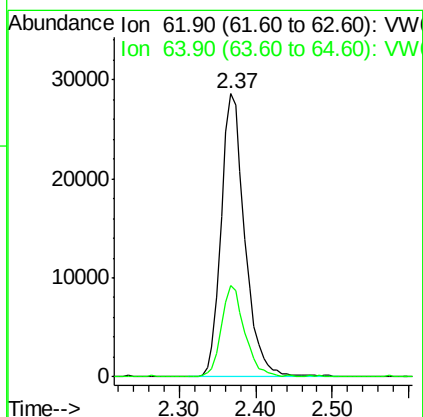
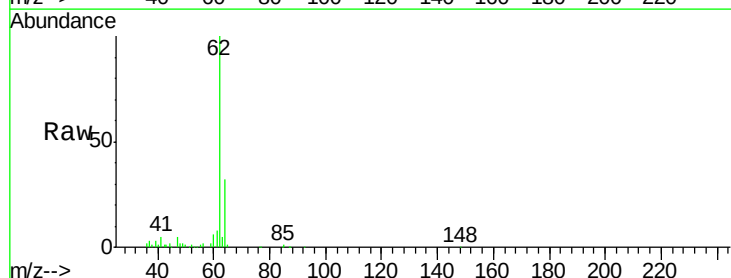
Acq: 12 Jan 2019 01:25

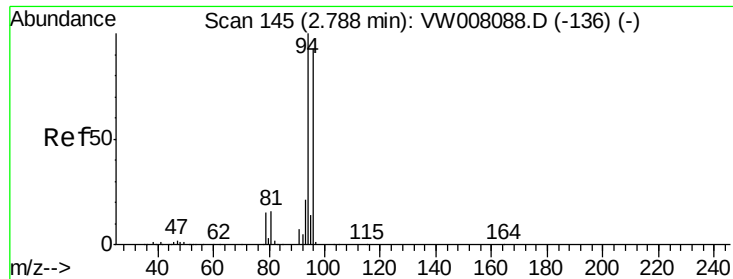
Tgt Ion: 62 Resp: 61381

Ion Ratio Lower Upper

62 100

64 32.1 27.0 40.6





#5

Bromomethane

Concen: 49.988 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.01 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 49112

Ion Ratio Lower Upper

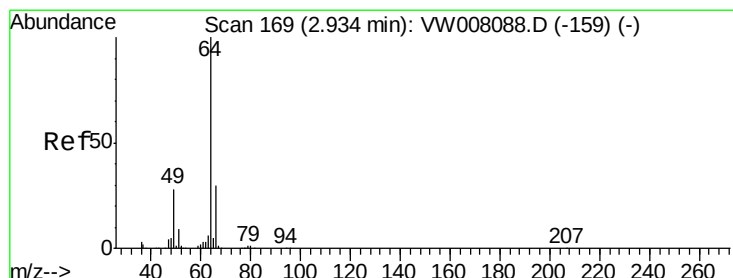
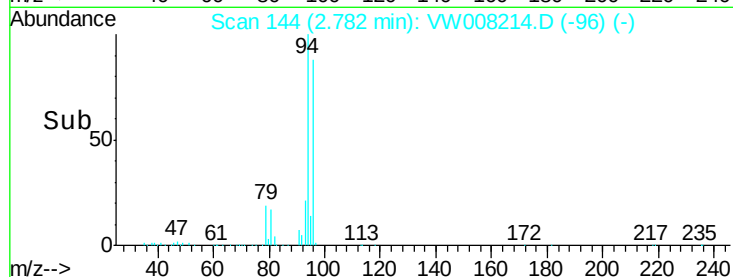
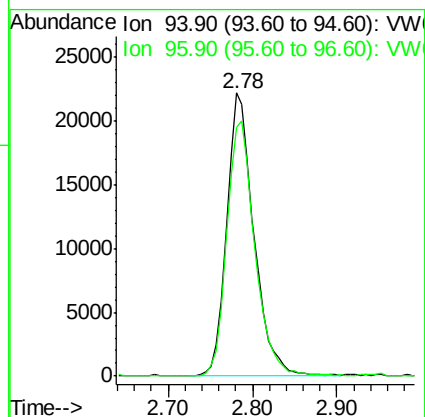
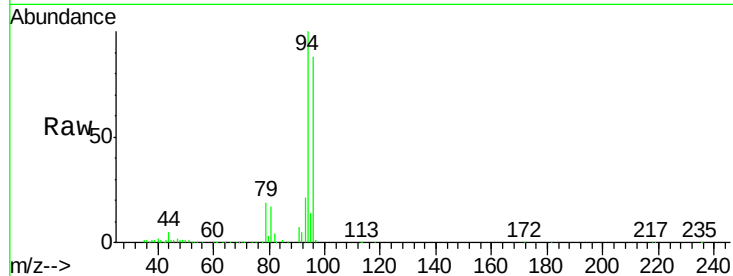
94 100

96 87.7 74.1 111.1

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#6

Chloroethane

Concen: 42.585 ug/l

RT: 2.93 min Scan# 168

Delta R.T. -0.01 min

Lab File: VW008214.D

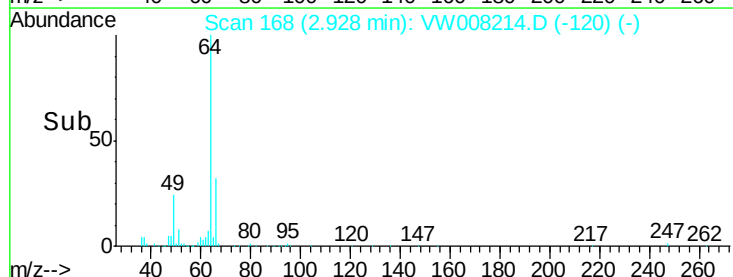
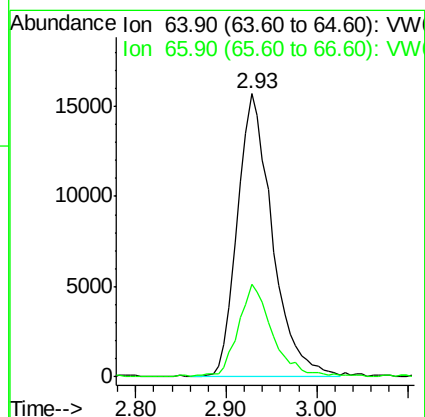
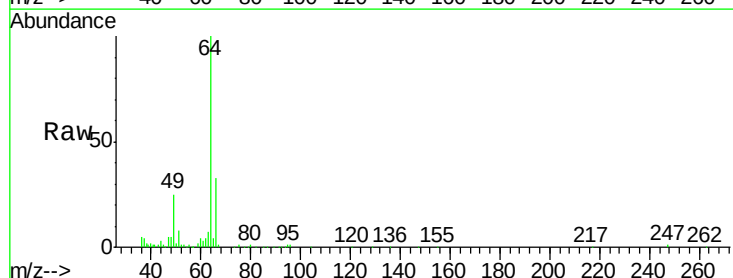
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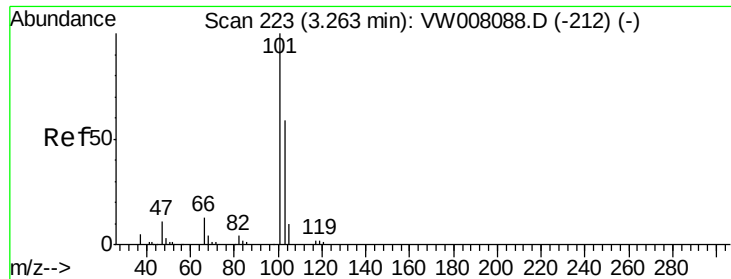
Tgt Ion: 64 Resp: 42027

Ion Ratio Lower Upper

64 100

66 32.5 24.2 36.2





#7

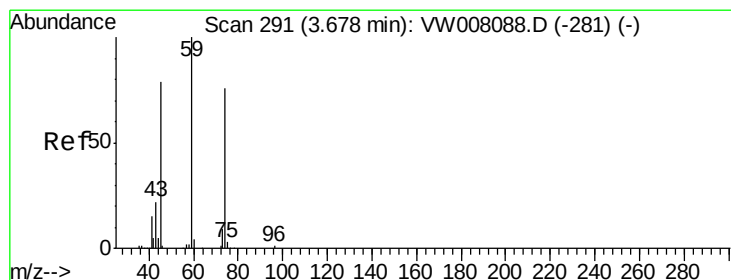
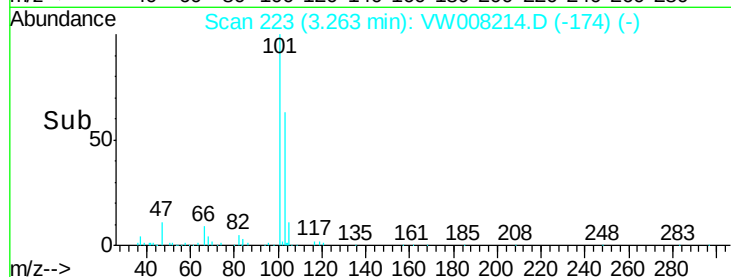
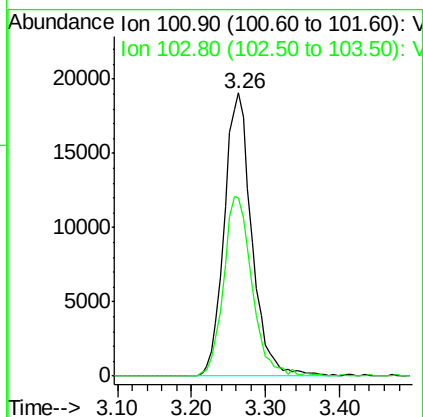
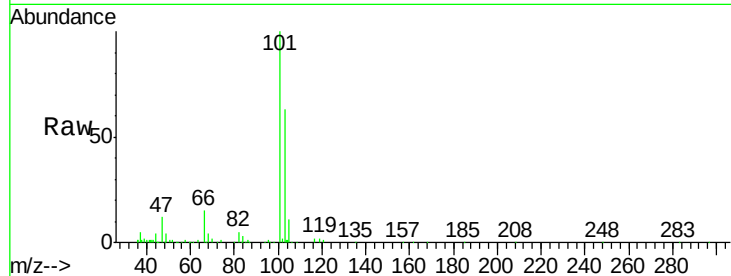
Trichlorofluoromethane
 Concen: 46.319 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Instrument :
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 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.9	47.0	70.6

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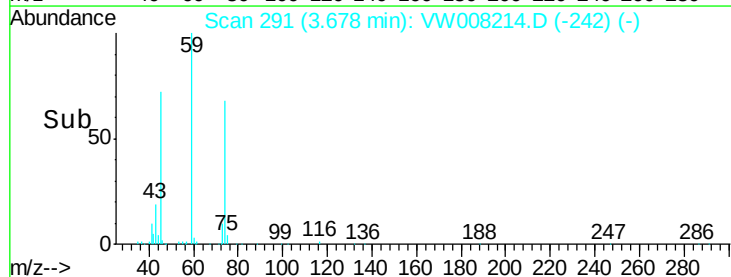
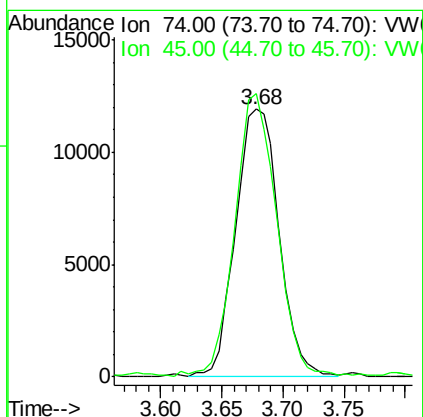
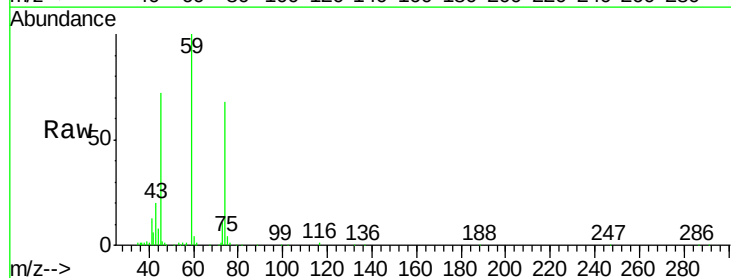
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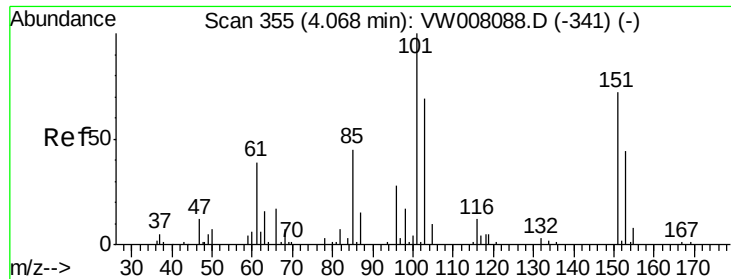


#8

Diethyl Ether
 Concen: 48.777 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
74	100		
45	102.6	52.4	157.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.541 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

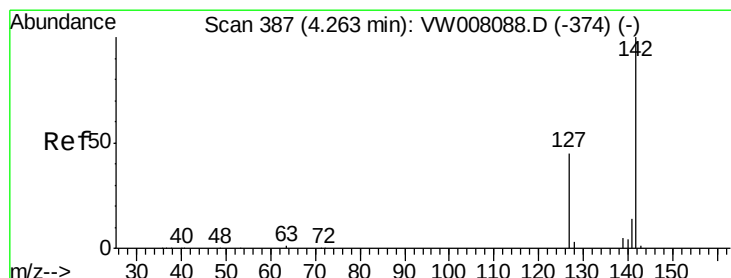
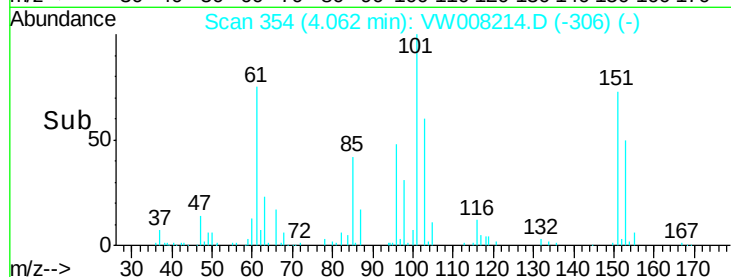
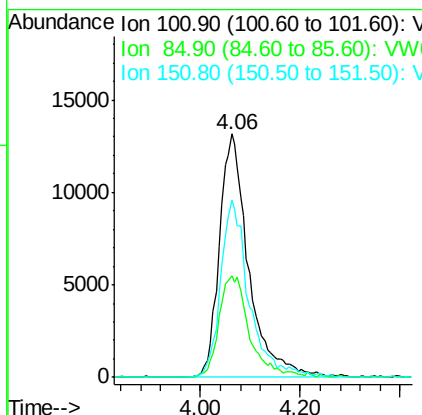
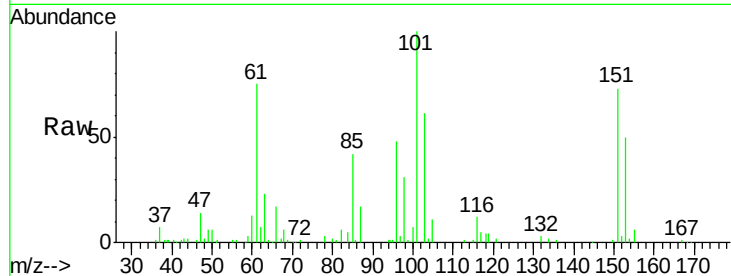
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	53503
Ion Ratio	Lower	Upper	
101	100		
85	42.4	35.9	53.9
151	71.2	55.8	83.8

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#10

Methyl Iodide

Concen: 52.930 ug/l

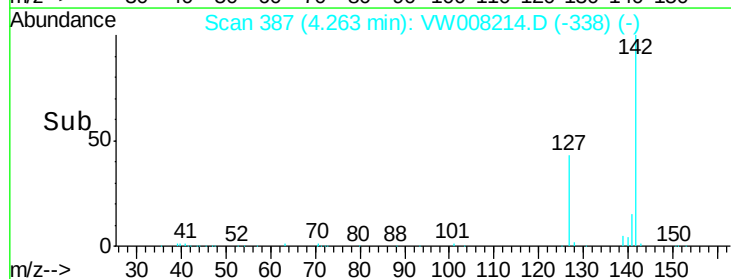
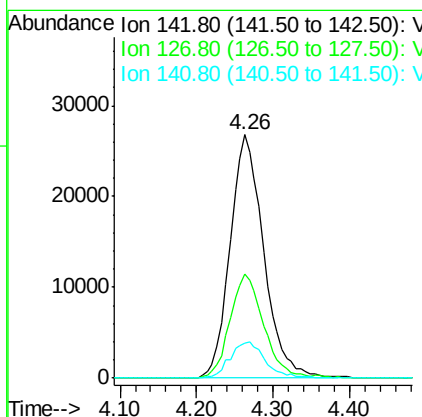
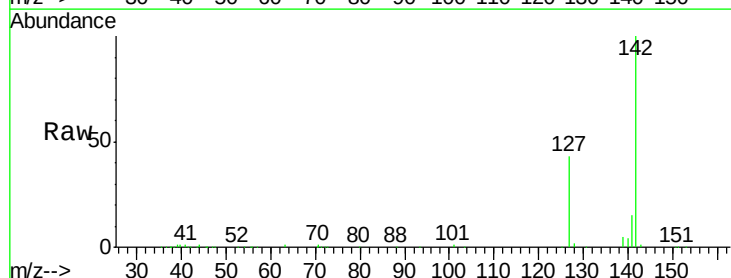
RT: 4.26 min Scan# 387

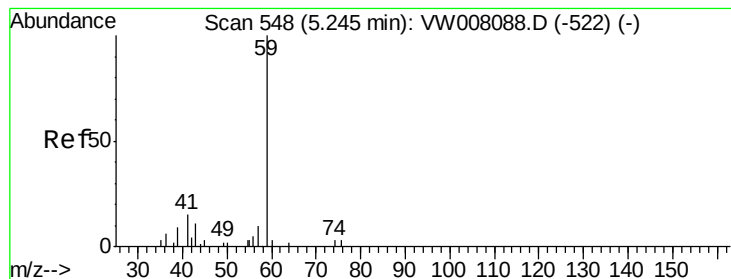
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion:	142	Resp:	81663
Ion Ratio	Lower	Upper	
142	100		
127	43.0	35.0	52.4
141	15.6	11.8	17.6





#11

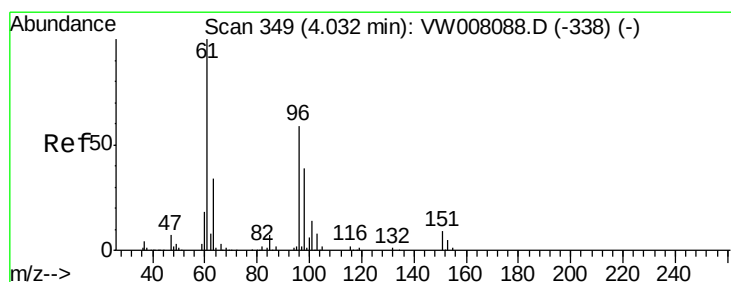
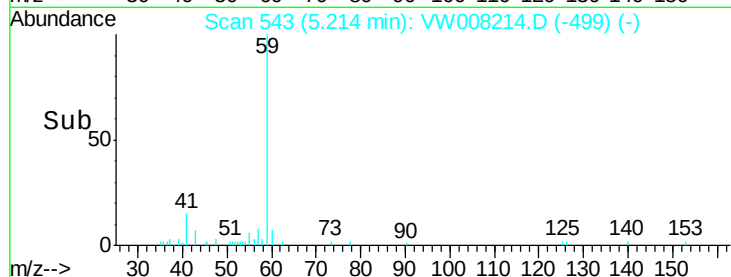
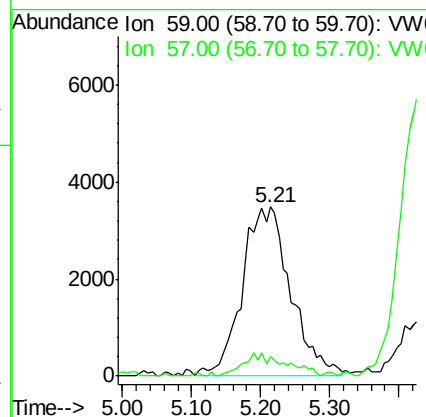
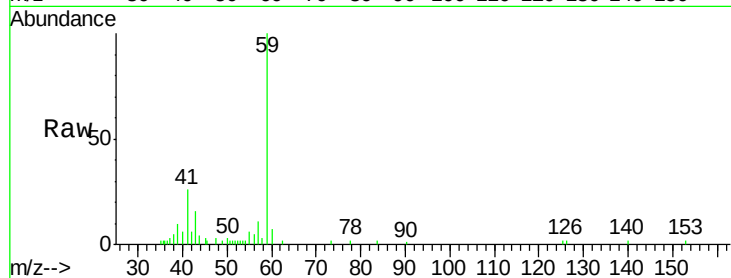
Tert butyl alcohol
Concen: 260.145 ug/l m
RT: 5.21 min Scan# 543
Delta R.T. -0.03 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 16929
Ion Ratio Lower Upper
59 100
57 11.9 0.0 0.0#

Manual Integrations
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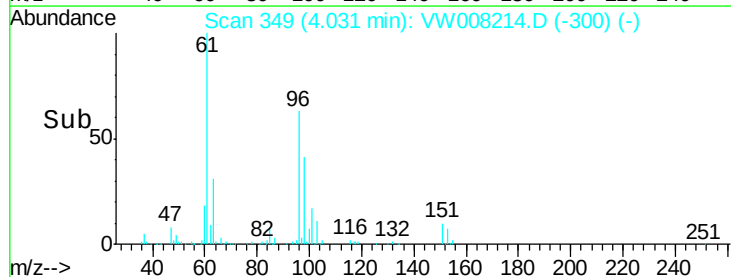
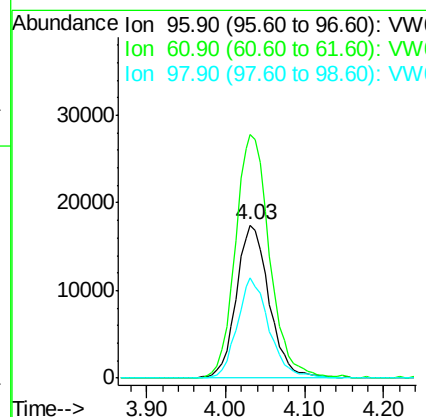
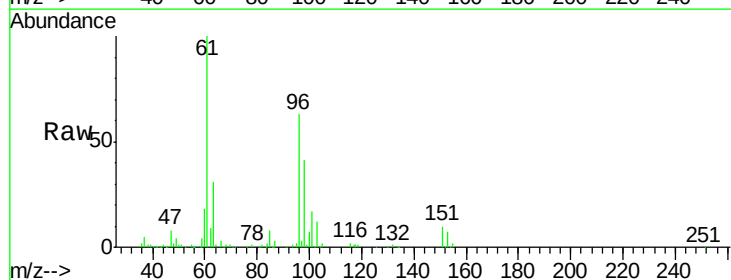
apatel
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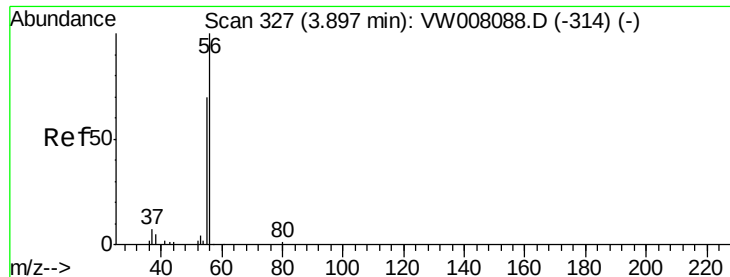


#12

1,1-Dichloroethene
Concen: 48.683 ug/l
RT: 4.03 min Scan# 349
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion: 96 Resp: 50598
Ion Ratio Lower Upper
96 100
61 158.7 135.4 203.2
98 65.4 52.5 78.7





#13

Acrolein

Concen: 259.653 ug/l

RT: 3.90 min Scan# 327

Delta R.T. 0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 18435

Ion Ratio Lower Upper

56 100

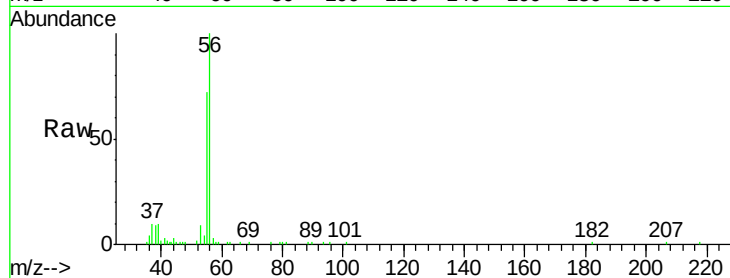
55 71.9 56.6 84.8

Manual Integrations

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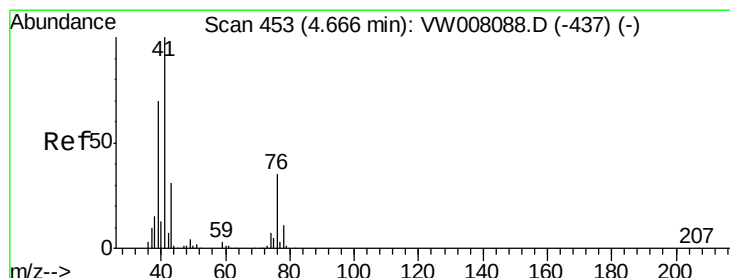
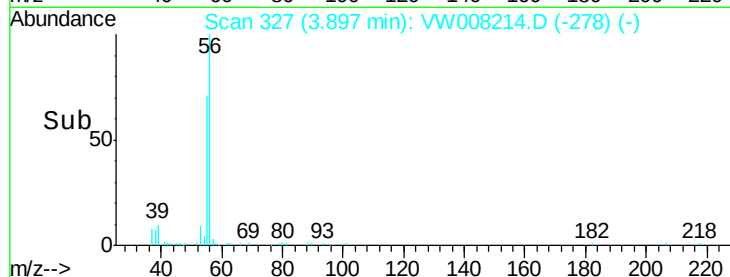
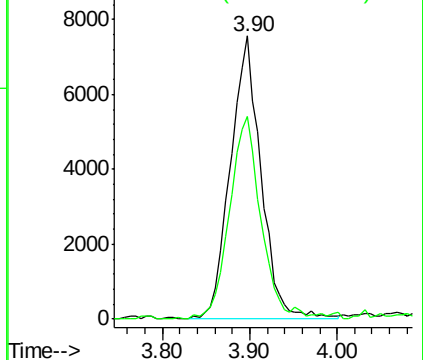
apatel

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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 49.481 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

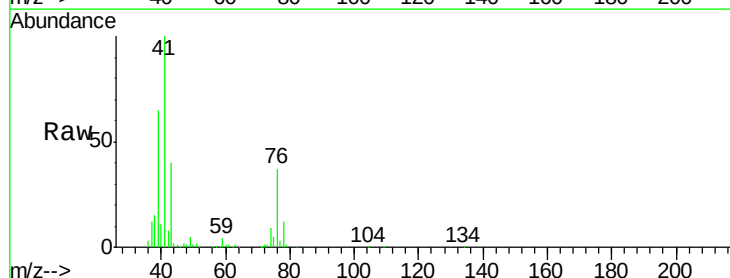
Tgt Ion: 41 Resp: 93372

Ion Ratio Lower Upper

41 100

39 66.8 53.8 80.8

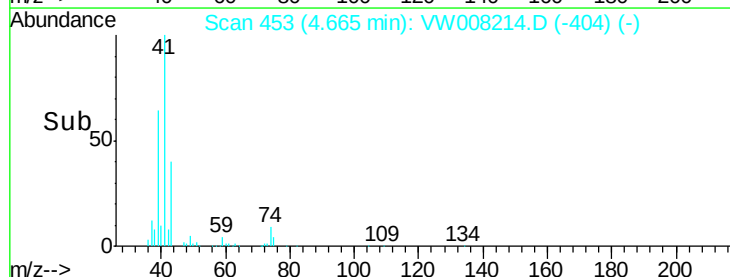
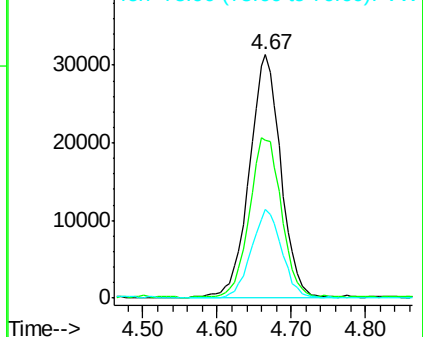
76 35.1 27.6 41.4

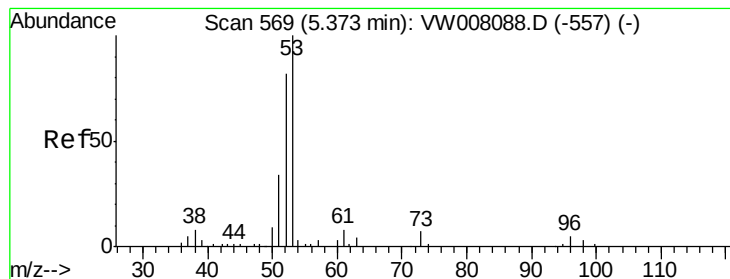


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 262.401 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

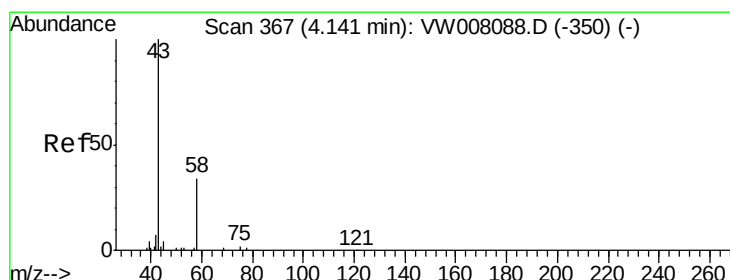
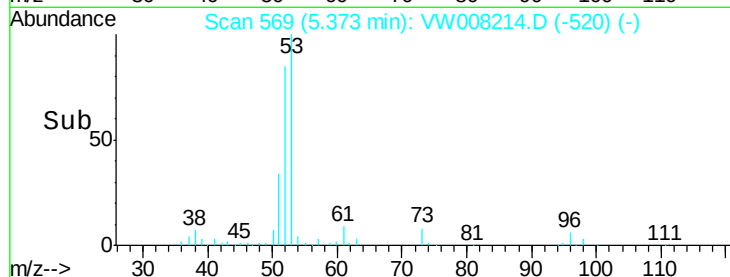
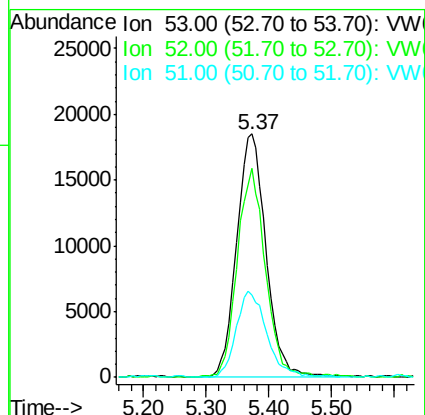
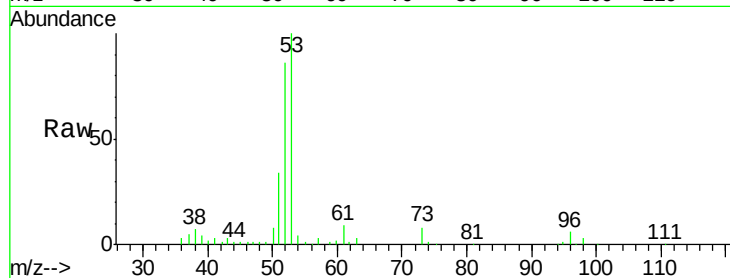
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	60217
Ion	Ratio	Lower	Upper
53	100		
52	81.8	66.8	100.2
51	37.1	29.7	44.5

Manual Integrations
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#16

Acetone

Concen: 233.816 ug/l

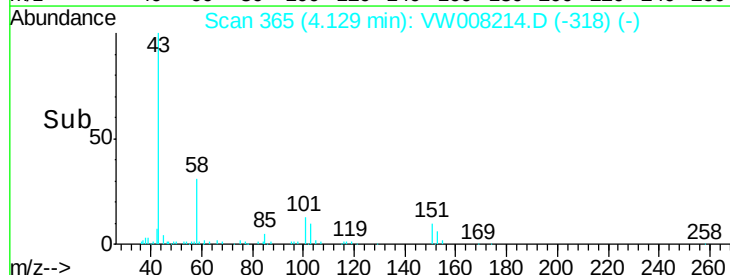
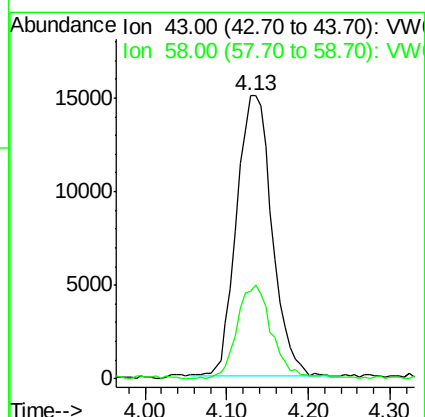
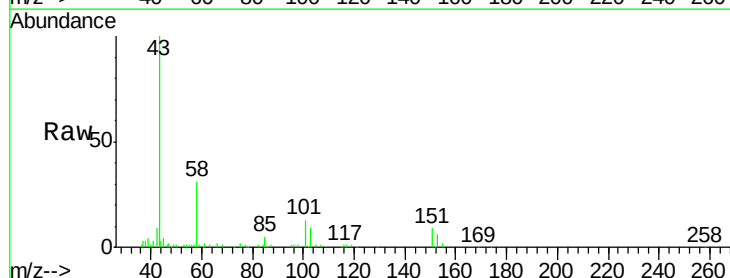
RT: 4.13 min Scan# 365

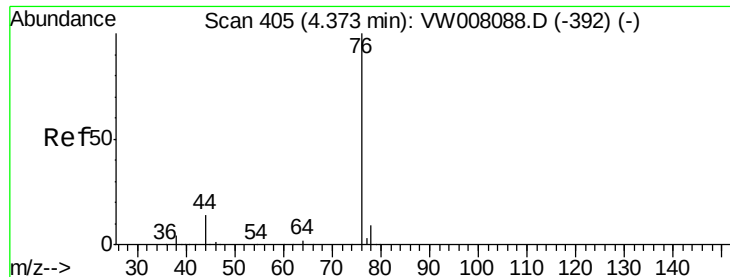
Delta R.T. -0.01 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion:	43	Resp:	45093
Ion	Ratio	Lower	Upper
43	100		
58	31.1	27.5	41.3





#17

Carbon Disulfide

Concen: 49.075 ug/l

RT: 4.37 min Scan# 405

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 159336

Ion Ratio Lower Upper

76 100

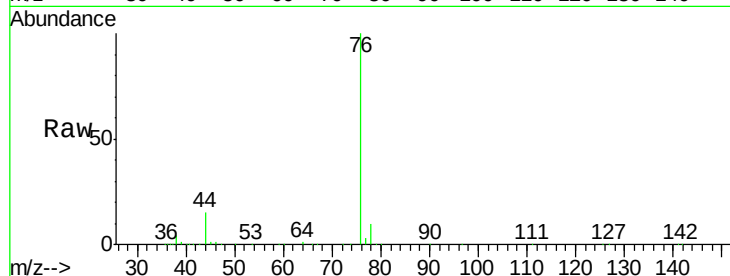
78 9.7 7.0 10.6

Manual Integrations

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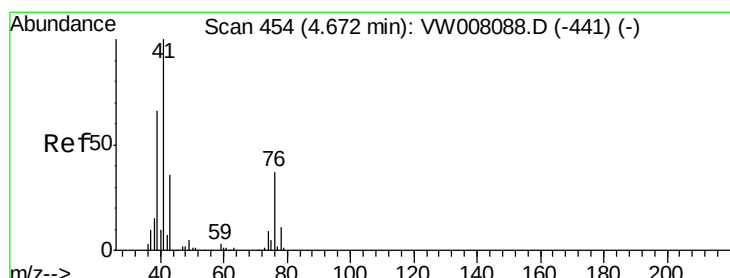
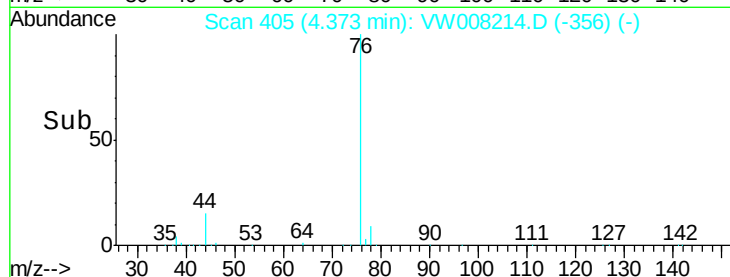
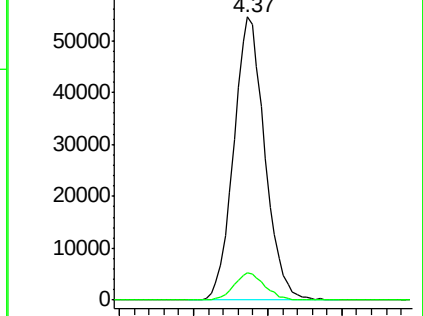
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 56.040 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW008214.D

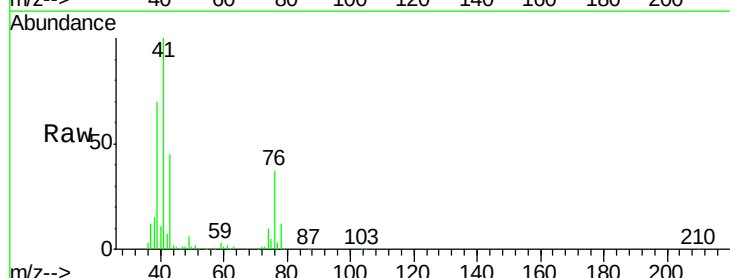
Acq: 12 Jan 2019 01:25

Tgt Ion: 43 Resp: 37780

Ion Ratio Lower Upper

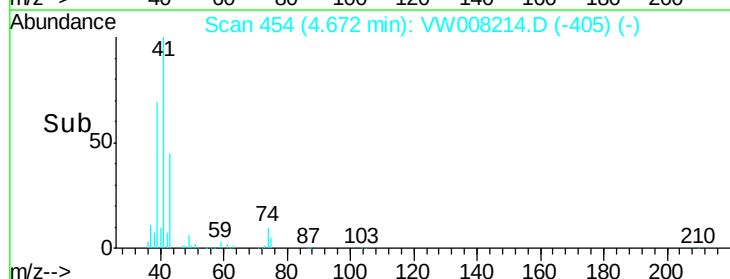
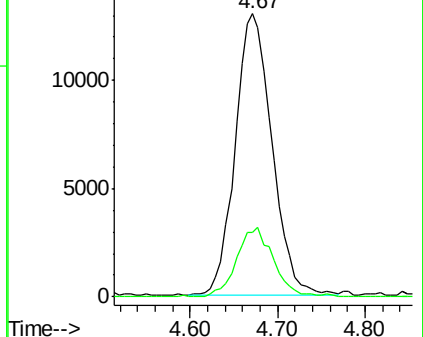
43 100

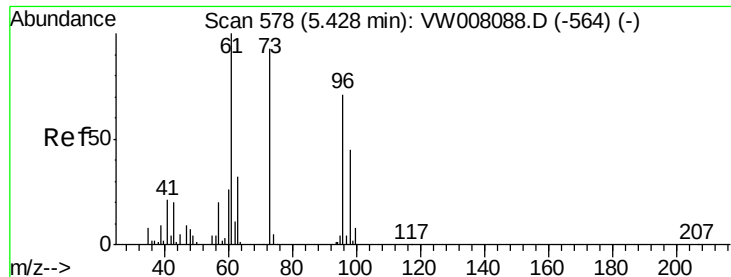
74 24.6 19.0 28.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





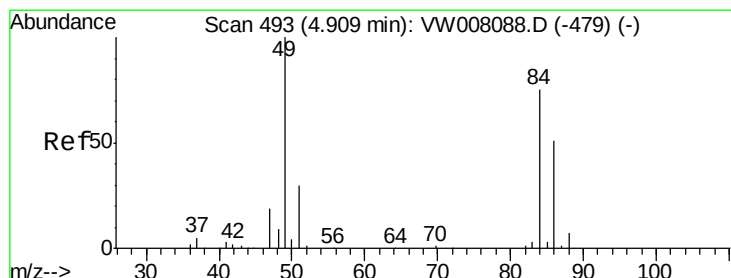
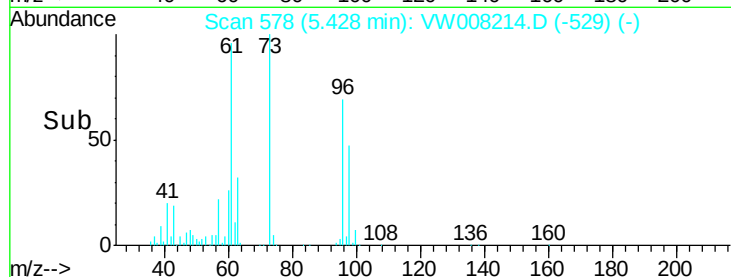
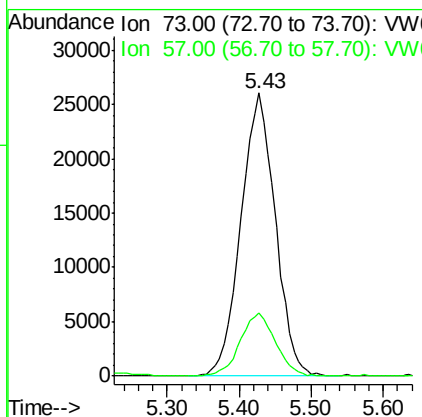
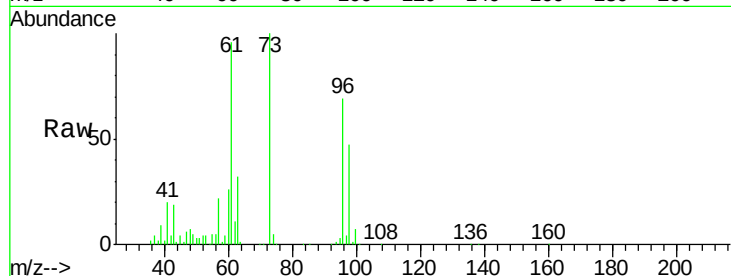
#19
Methyl tert-butyl Ether
Concen: 51.090 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 86325
Ion Ratio Lower Upper
73 100
57 22.4 16.7 25.1

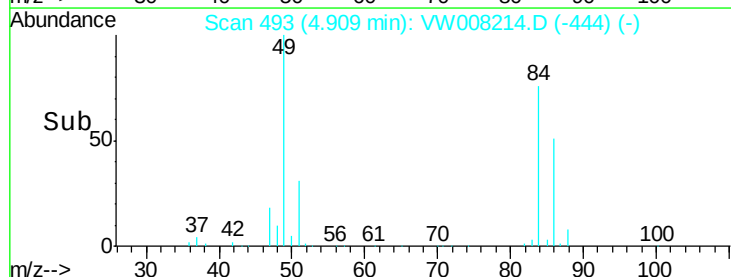
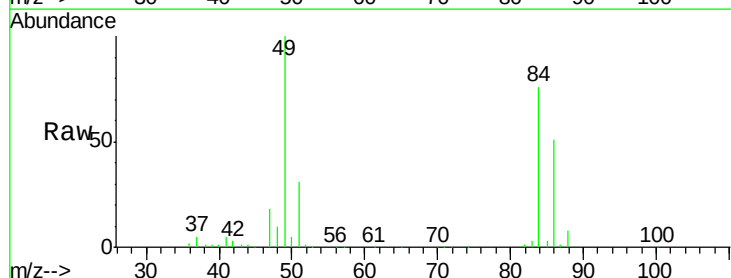
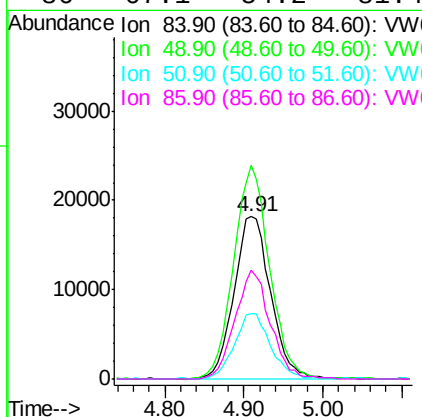
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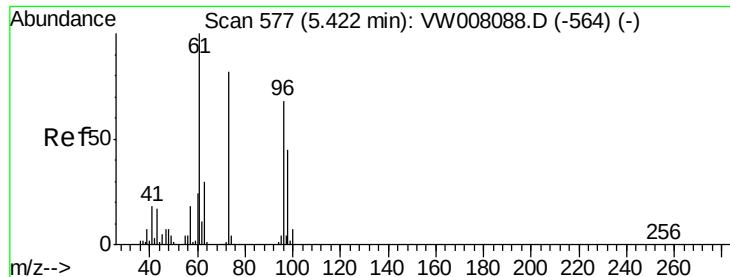
apatel
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#20
Methylene Chloride
Concen: 56.456 ug/l
RT: 4.91 min Scan# 493
Delta R.T. 0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion: 84 Resp: 58639
Ion Ratio Lower Upper
84 100
49 131.5 107.1 160.7
51 40.4 32.4 48.6
86 67.1 54.2 81.4





#21

trans-1,2-Dichloroethene

Concen: 52.343 ug/l

RT: 5.42 min Scan# 577

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

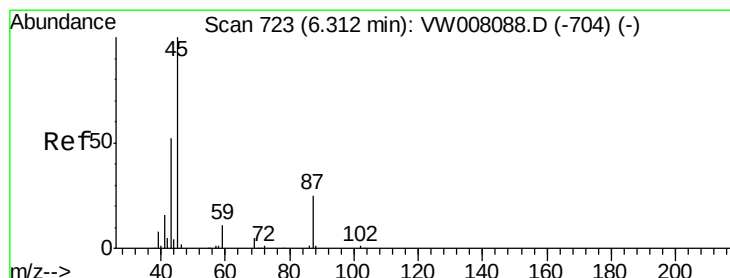
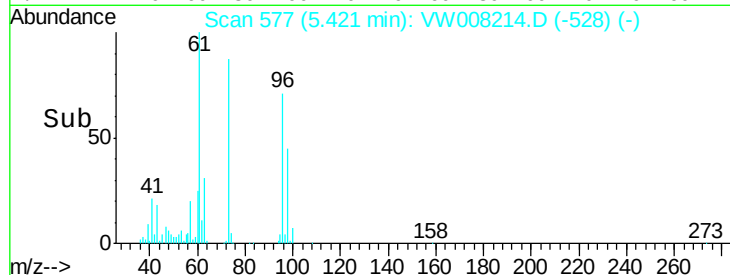
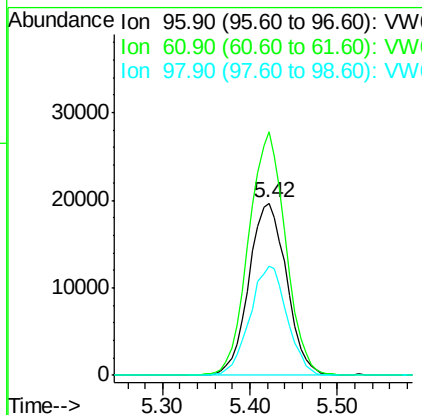
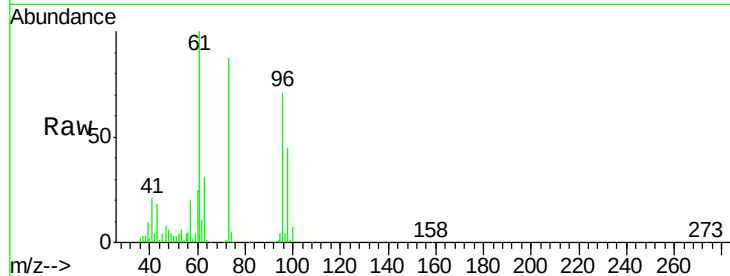
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	59120
Ion	Ratio	Lower	Upper
96	100		
61	141.4	117.4	176.0
98	63.8	52.2	78.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 51.821 ug/l

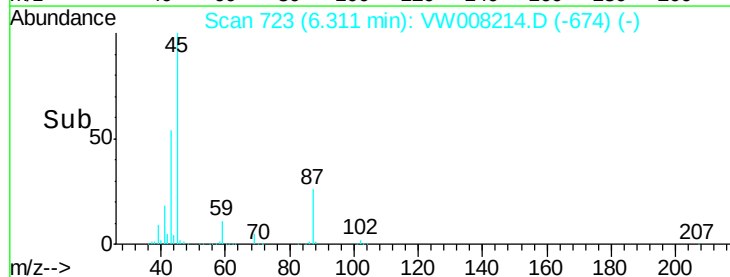
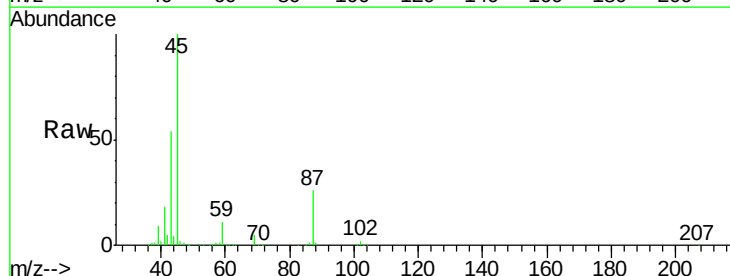
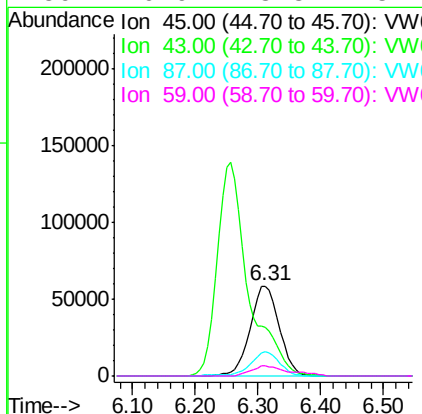
RT: 6.31 min Scan# 723

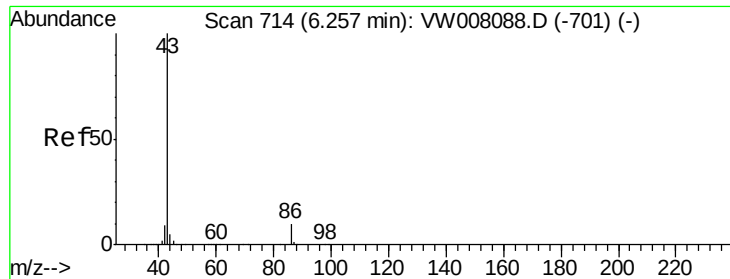
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion:	45	Resp:	186496
Ion	Ratio	Lower	Upper
45	100		
43	53.5	41.7	62.5
87	26.5	20.1	30.1
59	10.9	8.8	13.2





#23

Vinyl Acetate

Concen: 251.960 ug/l

RT: 6.26 min Scan# 714

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tot Ion: 43 Resp: 476235

Ion Ratio Lower Upper

43 100

86 10.1 7.7 11.5

Instrument :

MSVOA_W

ClientSampleId :

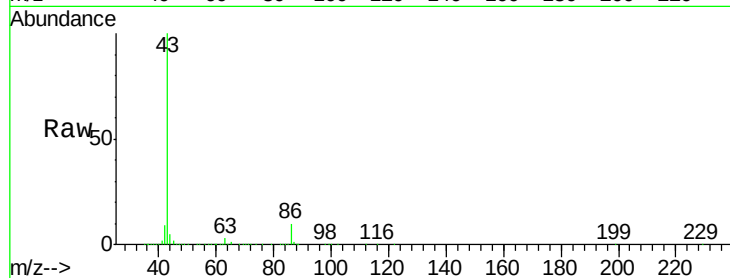
VSTDCCC050

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

150000

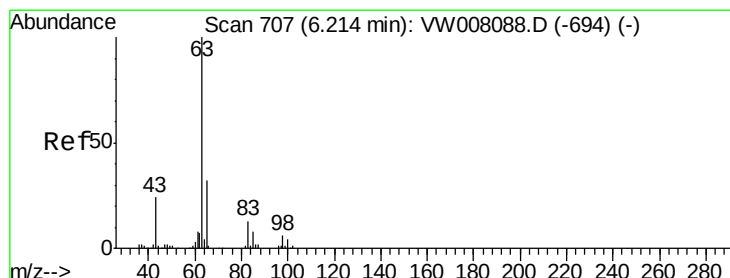
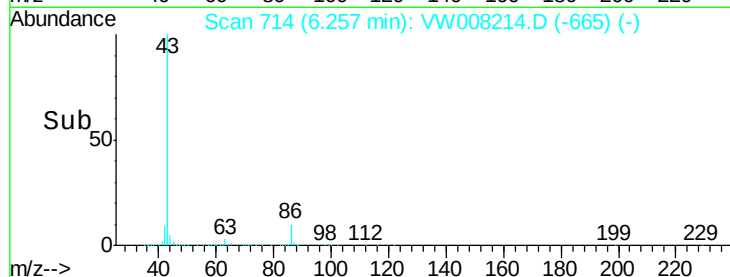
100000

50000

0

6.10 6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 50.923 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.01 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

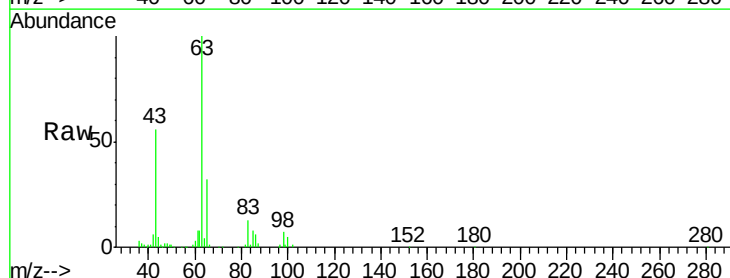
Tgt Ion: 63 Resp: 106782

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

100 4.6 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

6.22

40000

30000

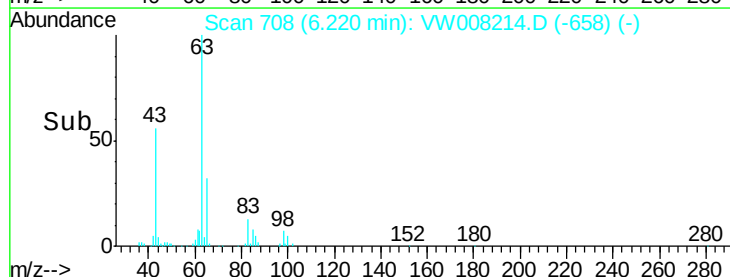
20000

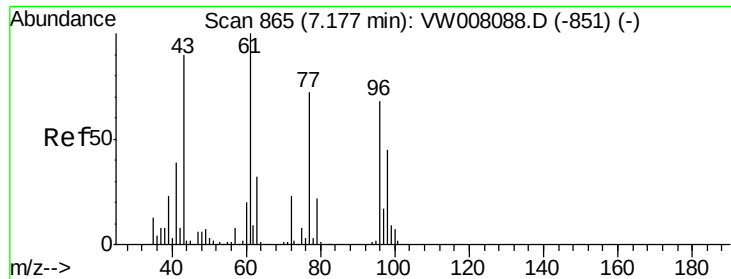
10000

0

6.10 6.20 6.30

Time-->





#25

2-Butanone

Concen: 243.054 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 72134

Ion Ratio Lower Upper

43 100

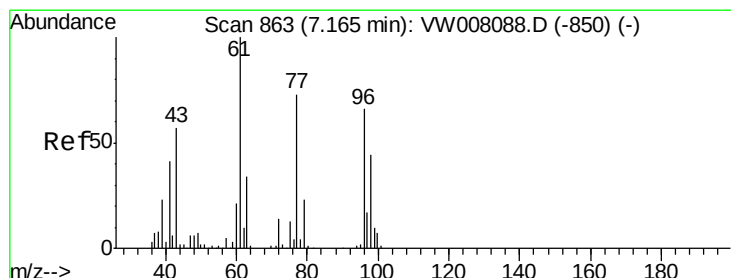
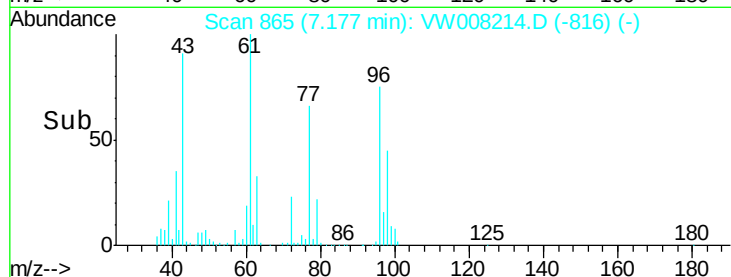
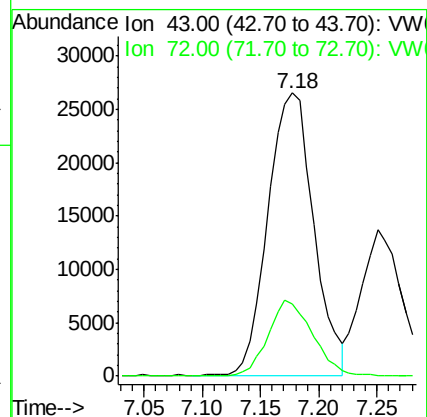
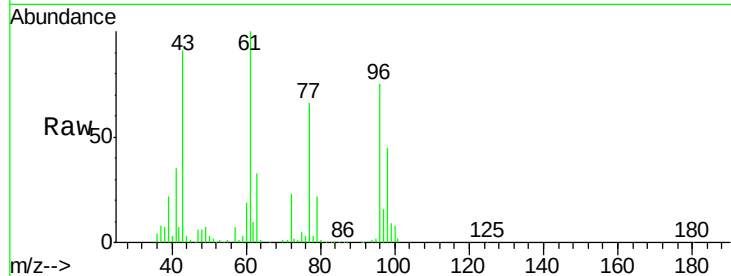
72 25.7 20.5 30.7

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 45.777 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW008214.D

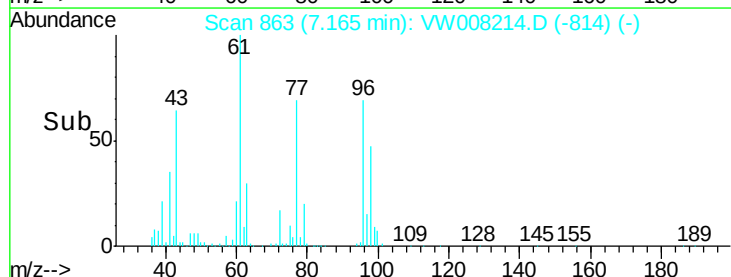
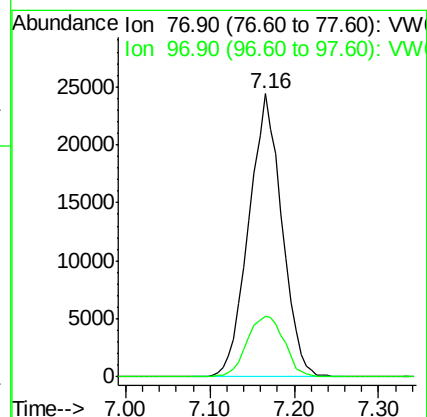
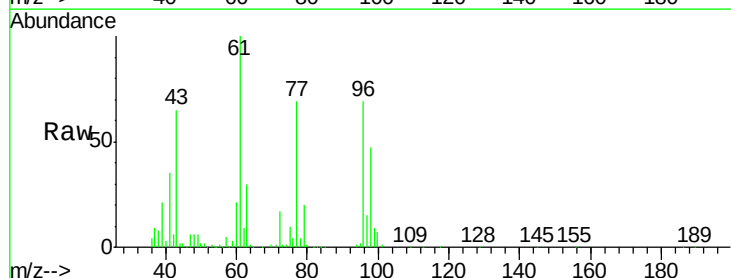
Acq: 12 Jan 2019 01:25

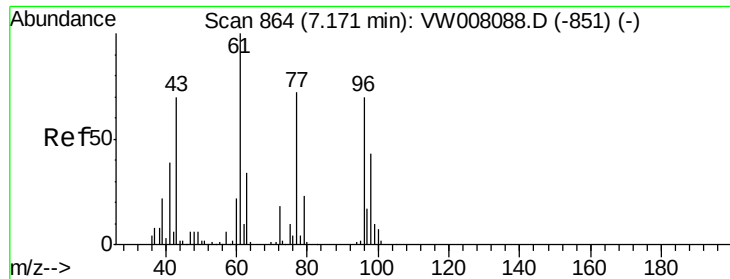
Tgt Ion: 77 Resp: 65040

Ion Ratio Lower Upper

77 100

97 23.9 11.4 34.1





#27

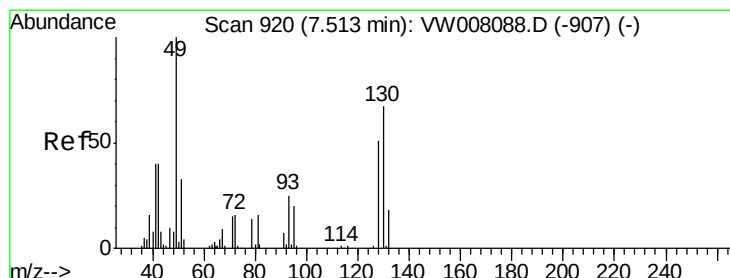
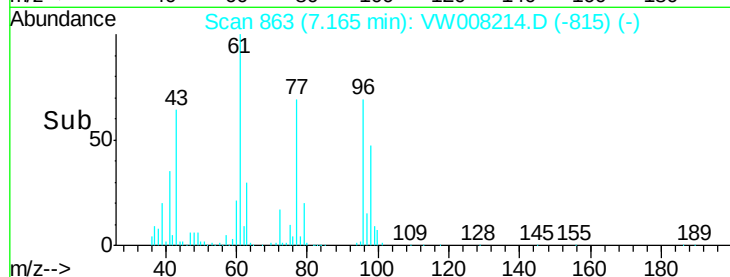
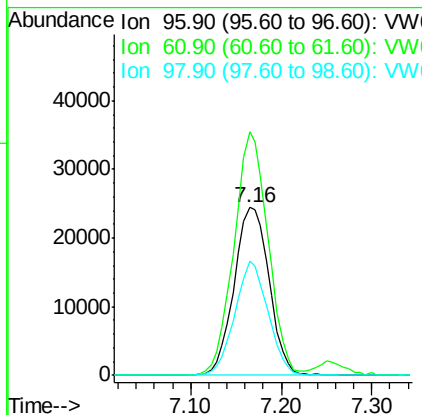
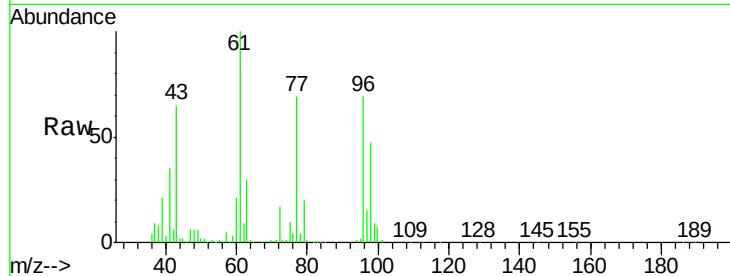
cis-1,2-Dichloroethene
Concen: 53.453 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	300.4
98	63.8	0.0	128.4

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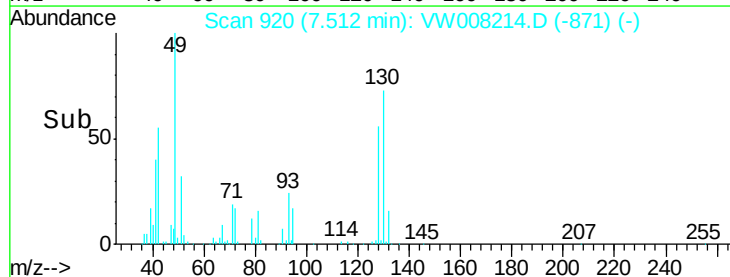
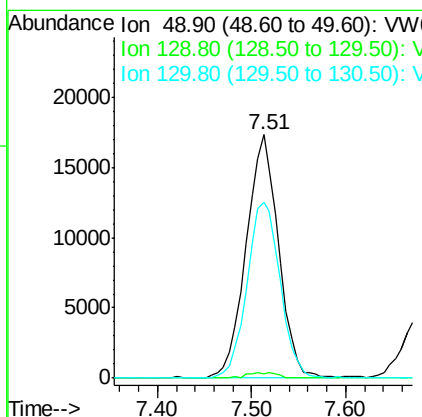
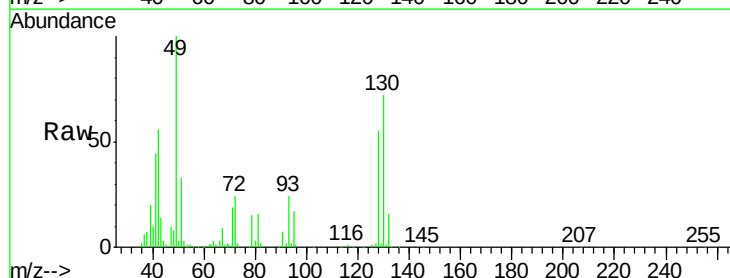
apatel
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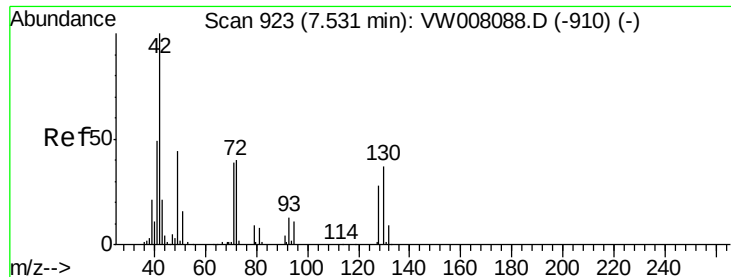


#28

Bromochloromethane
Concen: 50.158 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	2.8
130	74.2	54.3	81.5





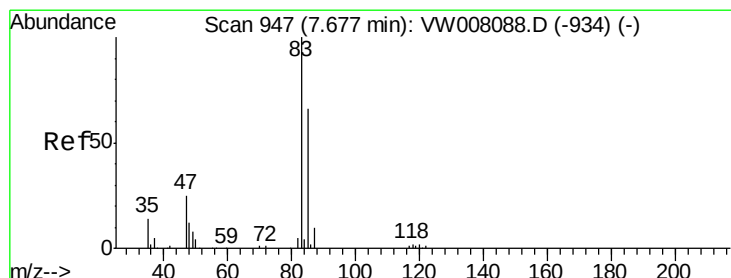
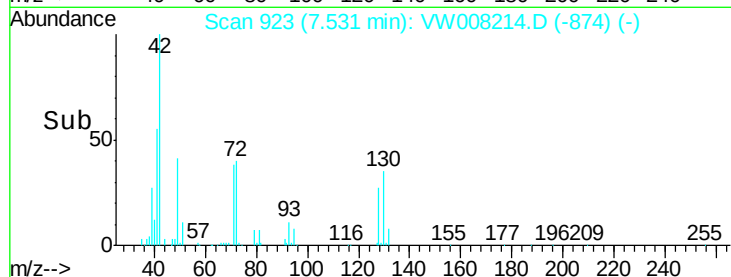
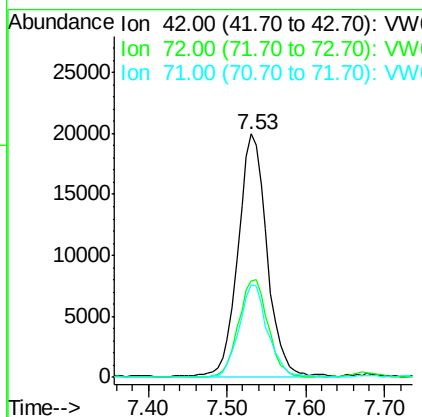
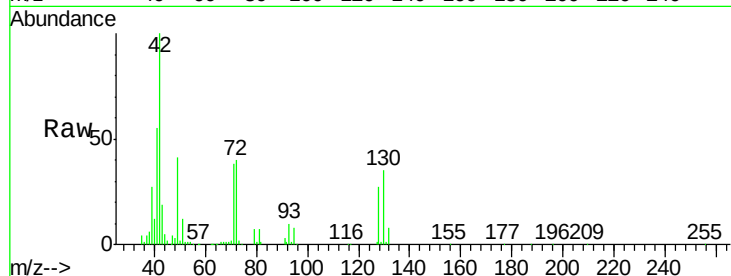
#29
Tetrahydrofuran
Concen: 259.914 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.2	32.4	48.6
71	37.5	31.3	46.9

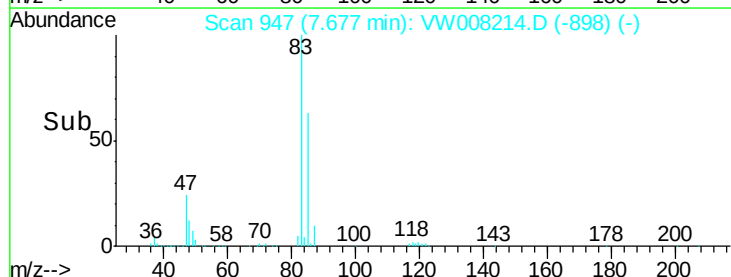
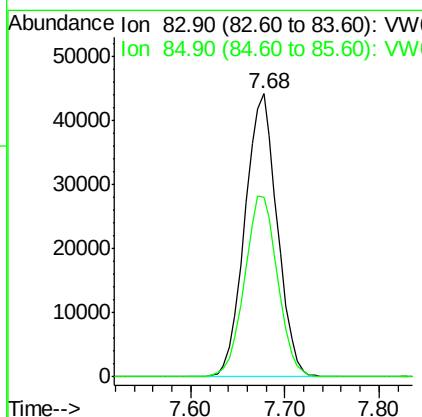
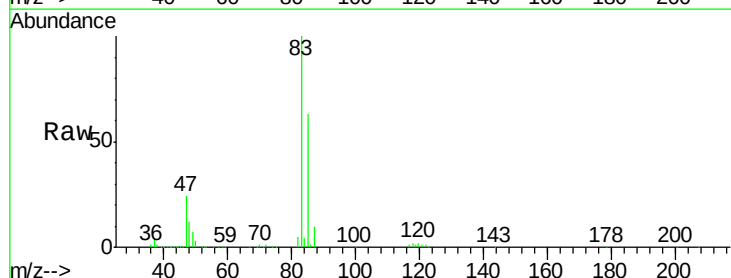
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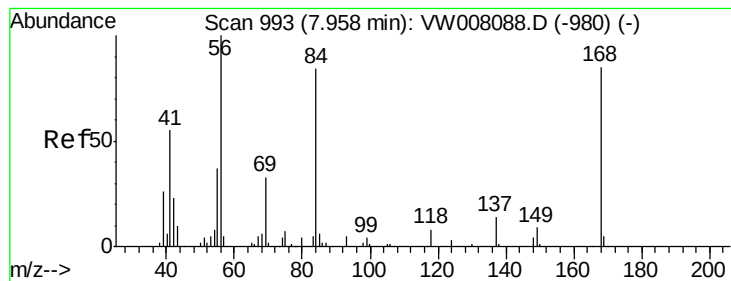
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#30
Chloroform
Concen: 53.160 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	53.2	79.8





#31

Cyclohexane

Concen: 42.877 ug/l

RT: 7.96 min Scan# 993

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

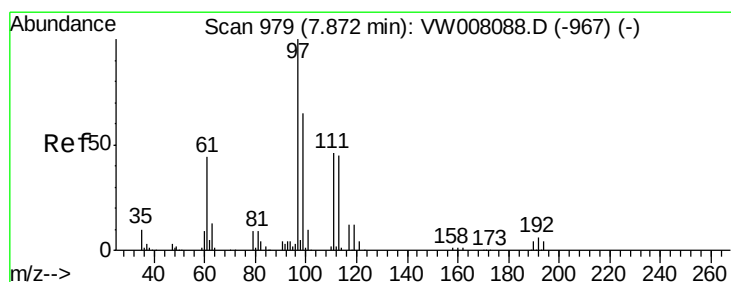
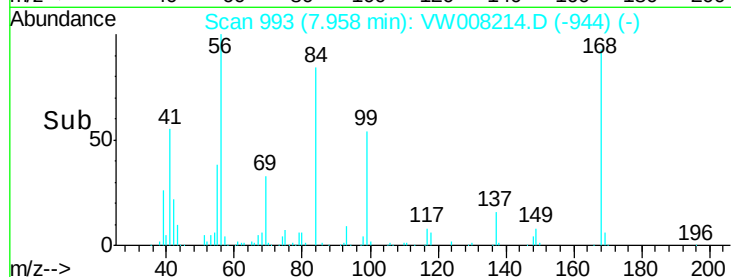
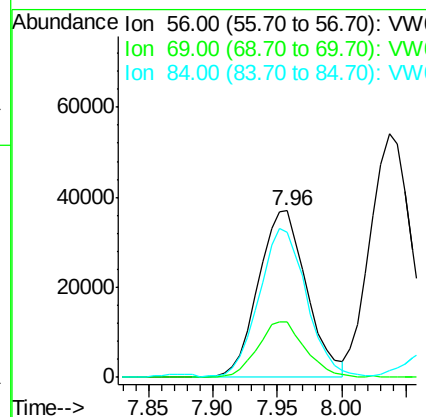
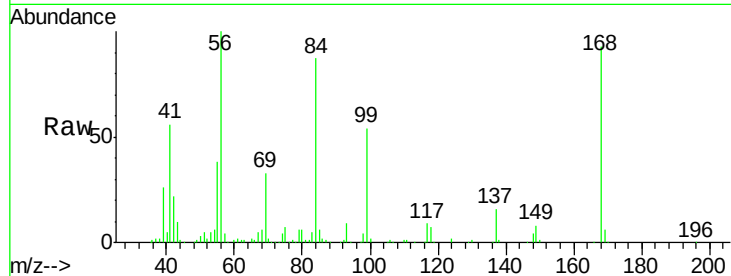
ClientSampled :

VSTDCCC050

Tot Ion:	56	Resp:	96250
Ion	Ratio	Lower	Upper
56	100		
69	33.3	26.2	39.4
84	85.6	67.4	101.2

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#32

1,1,1-Trichloroethane

Concen: 51.423 ug/l

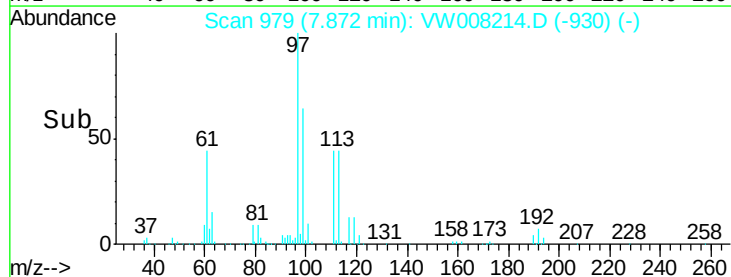
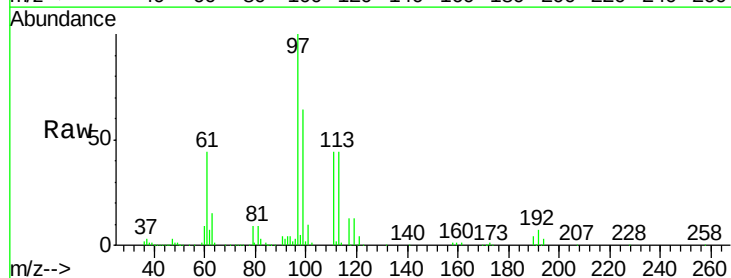
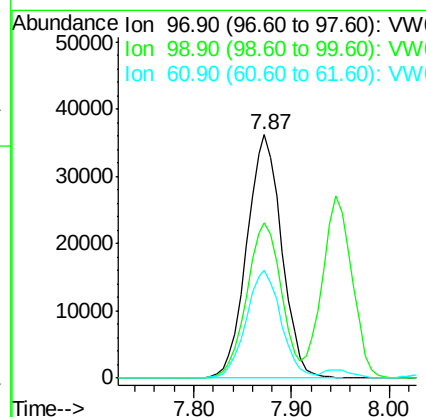
RT: 7.87 min Scan# 979

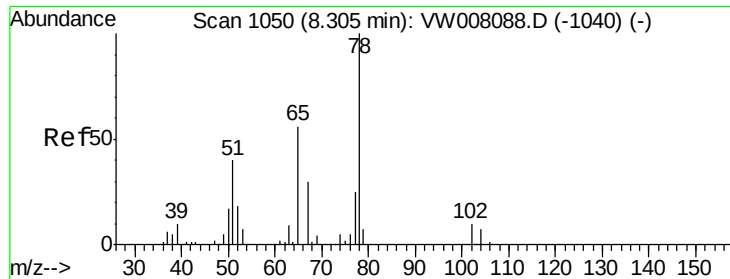
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion:	97	Resp:	89306
Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.4	77.0
61	44.6	35.6	53.4





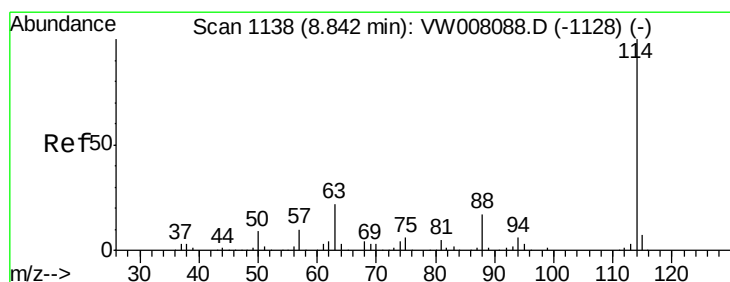
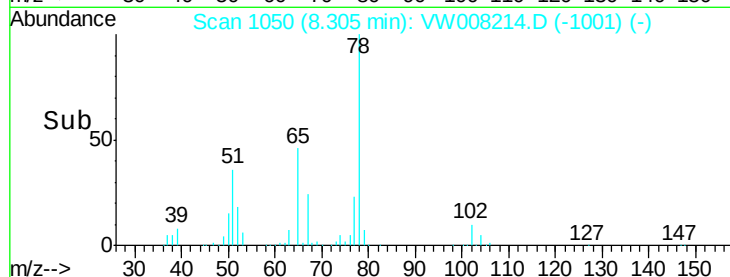
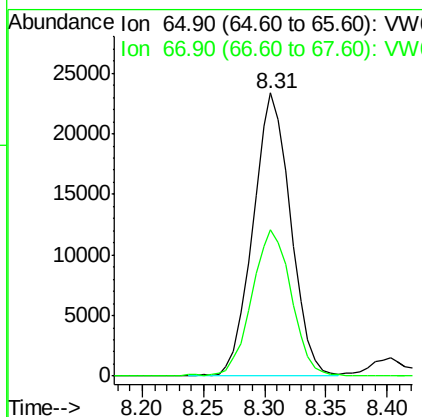
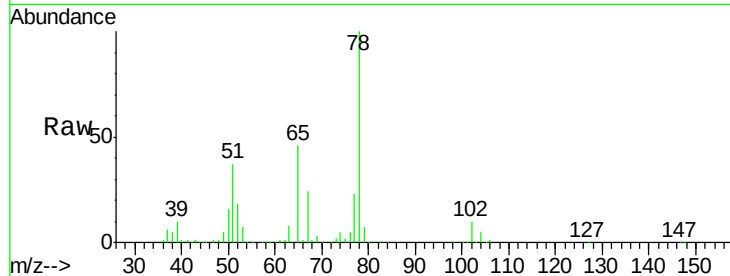
#33
 1,2-Dichloroethane-d4
 Concen: 46.957 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Instrument :
 MSVOA_W
 ClientSampled :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.2	0.0	106.8

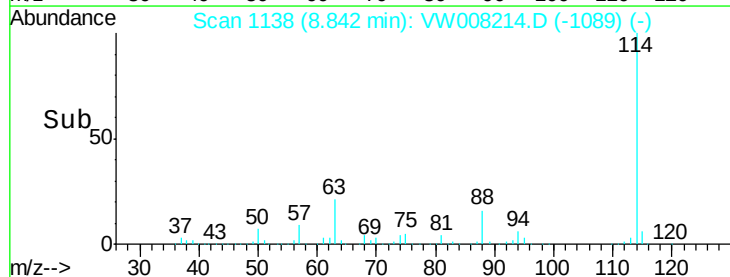
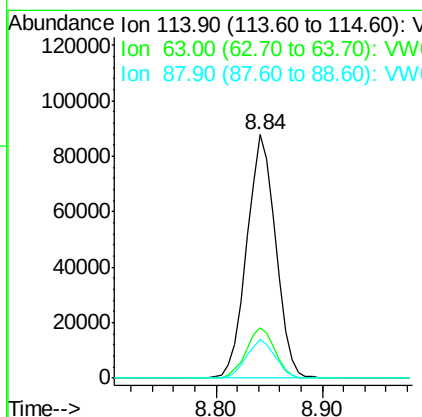
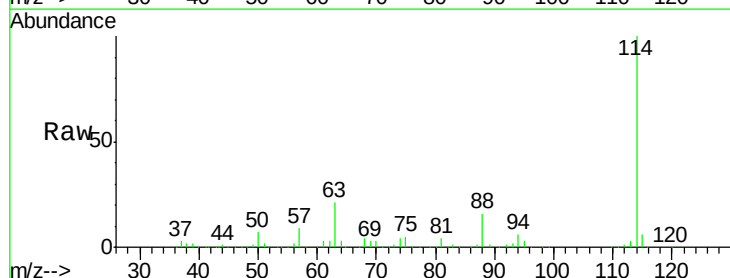
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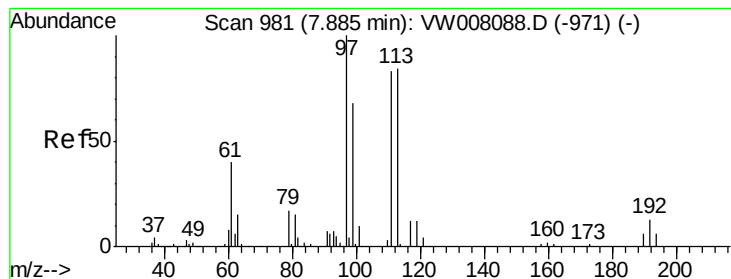
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	43.4
88	15.9	0.0	33.4





#35

Dibromofluoromethane

Concen: 52.032 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

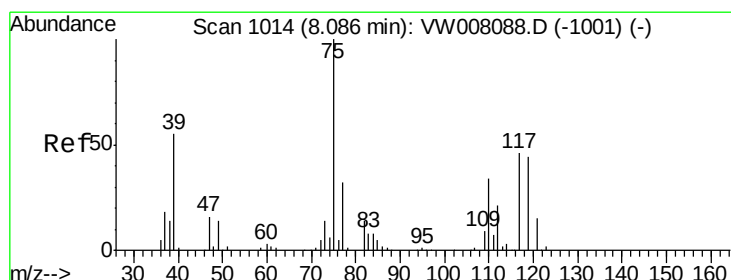
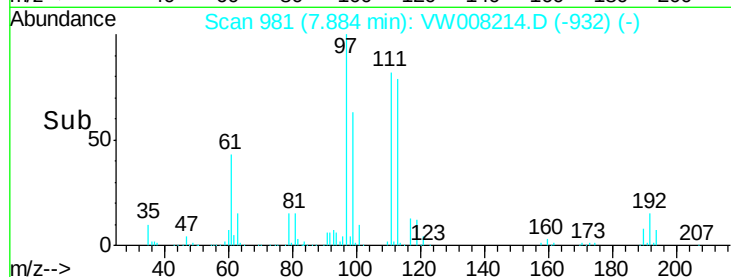
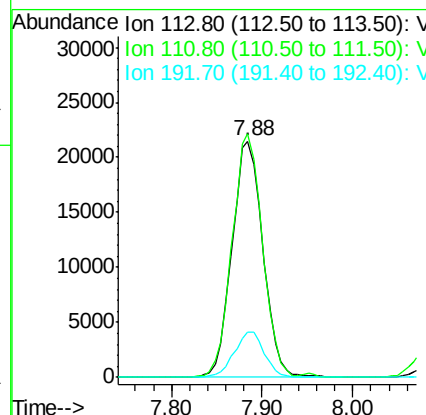
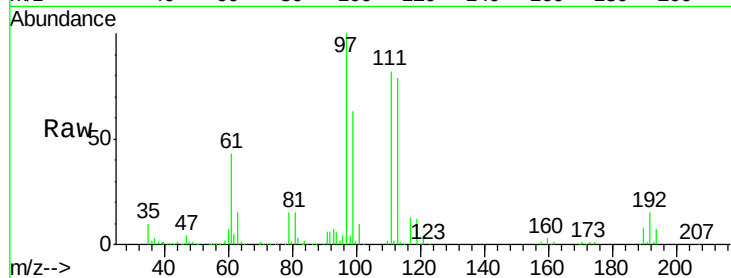
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.8	122.8
192	18.6	12.8	19.2

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#36

1,1-Dichloropropene

Concen: 48.858 ug/l

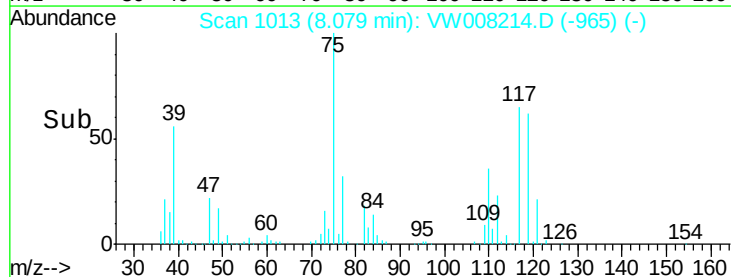
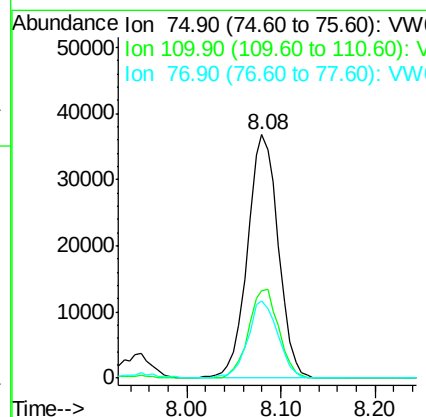
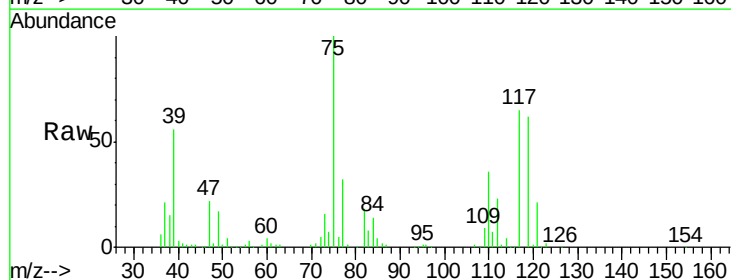
RT: 8.08 min Scan# 1013

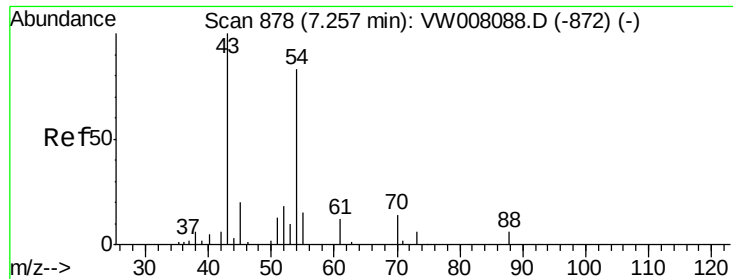
Delta R.T. -0.01 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	35.8	17.1	51.3
77	31.2	25.5	38.3





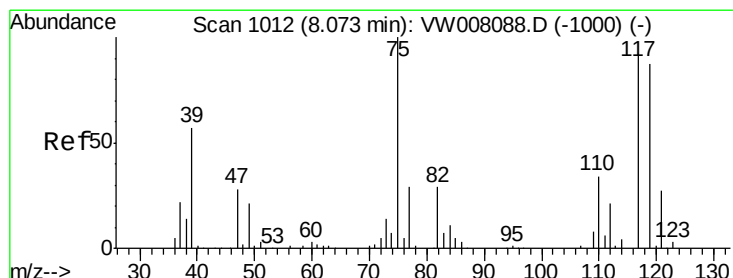
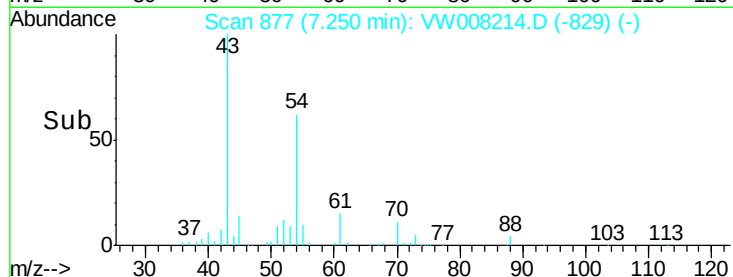
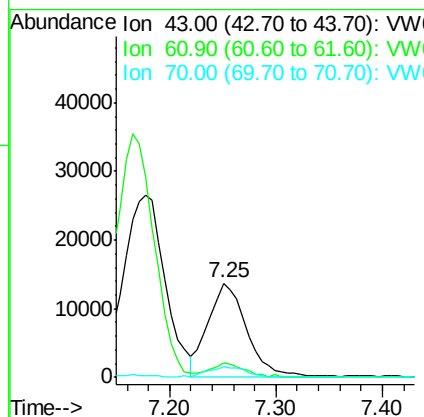
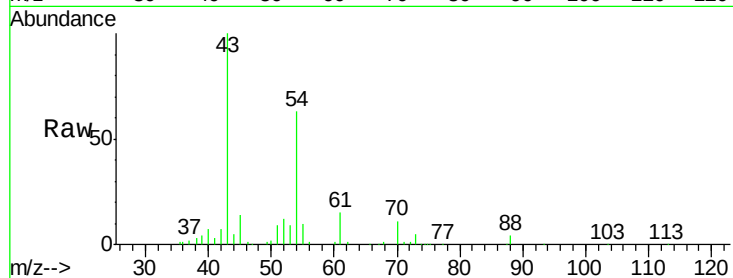
#37
Ethyl Acetate
Concen: 49.226 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	10.6	16.0
70	11.7	8.9	13.3

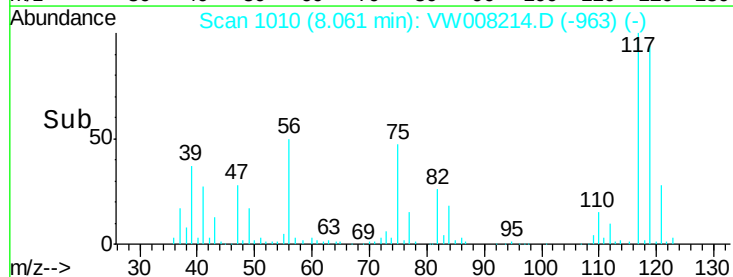
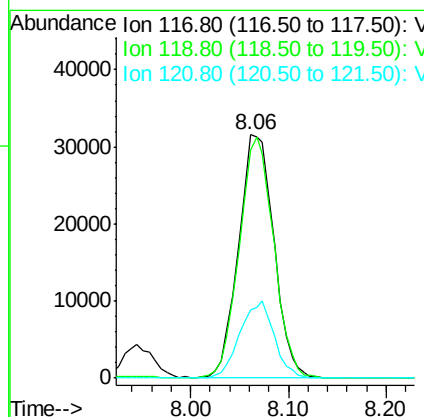
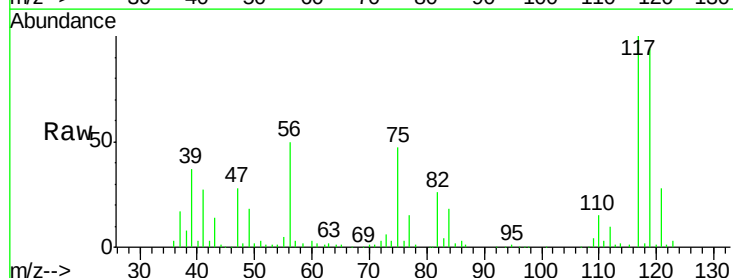
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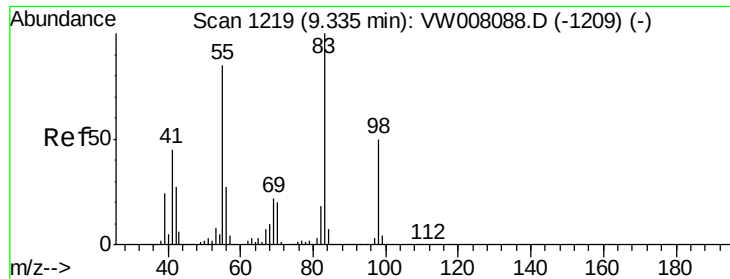
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#38
Carbon Tetrachloride
Concen: 50.101 ug/l
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.8	75.8	113.8
121	28.0	23.7	35.5





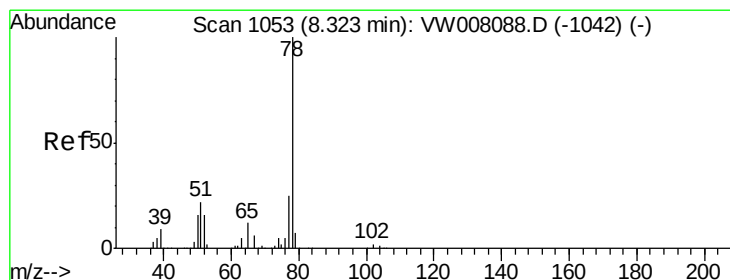
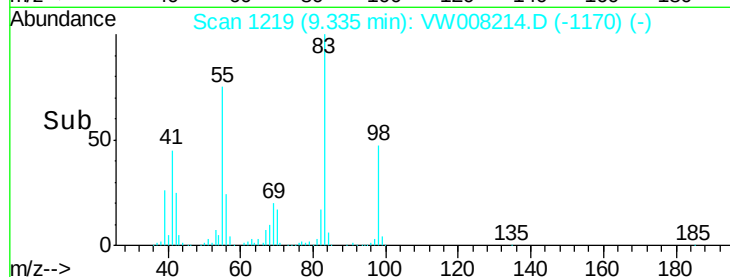
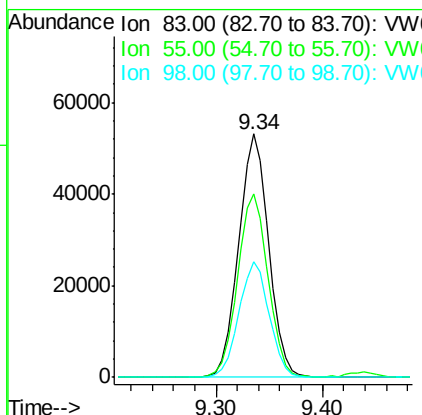
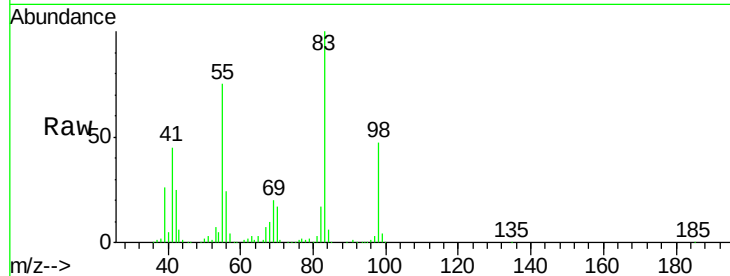
#39
Methylvlcyclohexane
Concen: 48.043 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	105088
Ion Ratio	Lower	Upper	
83	100		
55	75.3	67.8	101.6
98	47.4	40.2	60.4

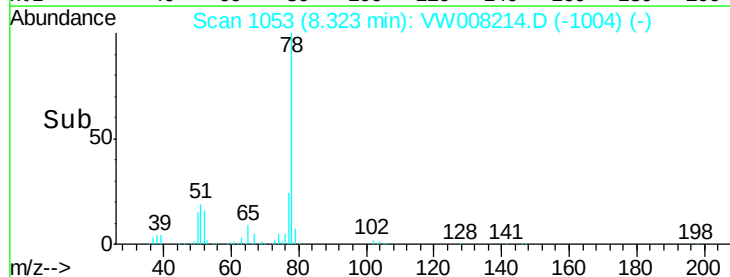
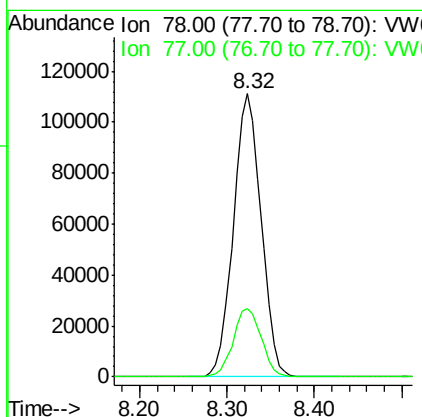
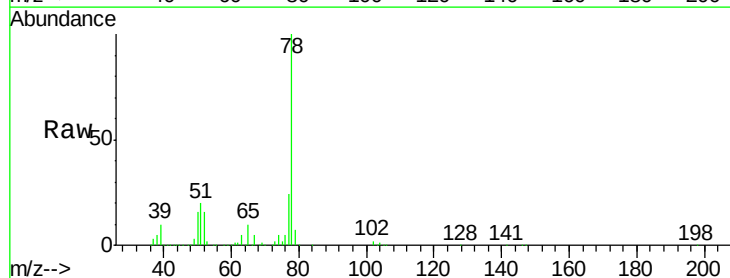
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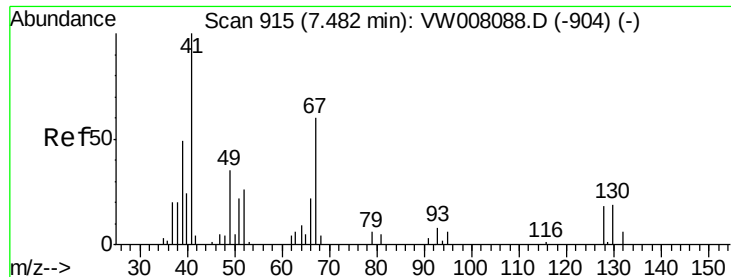
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#40
Benzene
Concen: 52.299 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	78	Resp	244703
Ion Ratio	Lower	Upper	
78	100		
77	24.3	20.2	30.4





#41

Methacrylonitrile

Concen: 49.959 ug/l

RT: 7.49 min Scan# 916

Delta R.T. 0.01 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

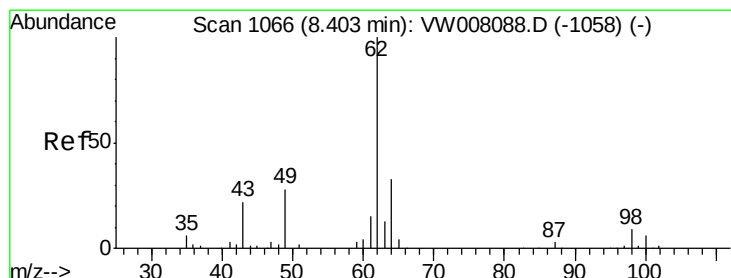
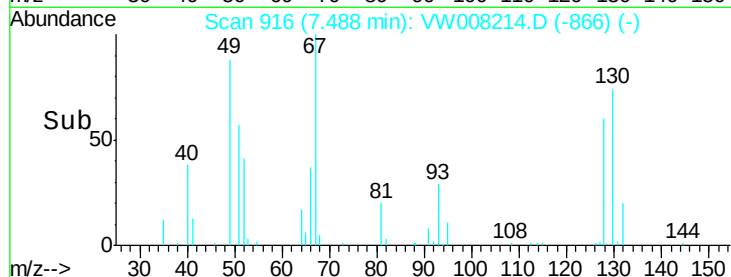
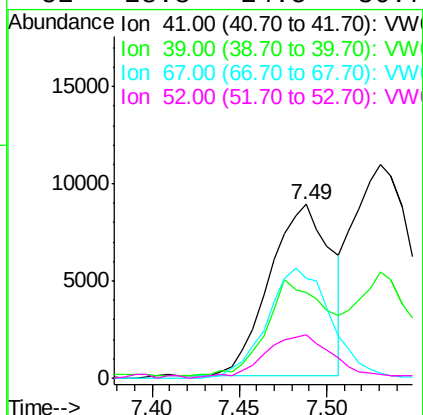
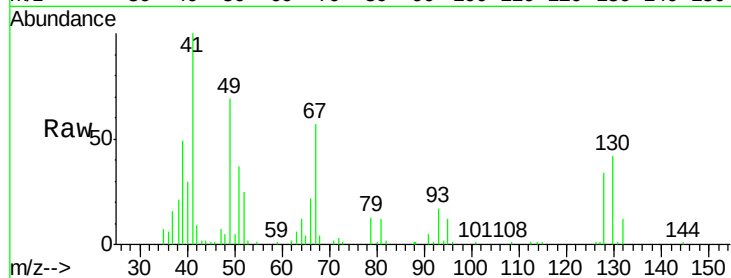
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	47.9	71.9
67	66.6	56.3	84.5
52	28.8	24.5	36.7

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#42

1,2-Dichloroethane

Concen: 51.414 ug/l

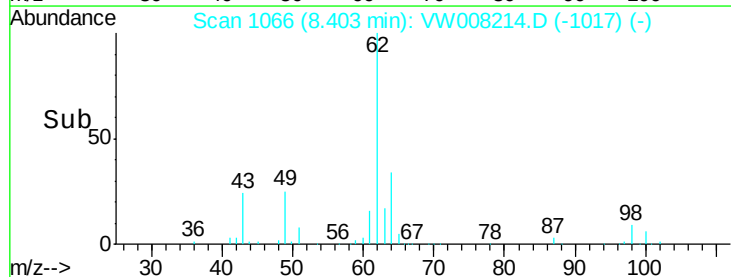
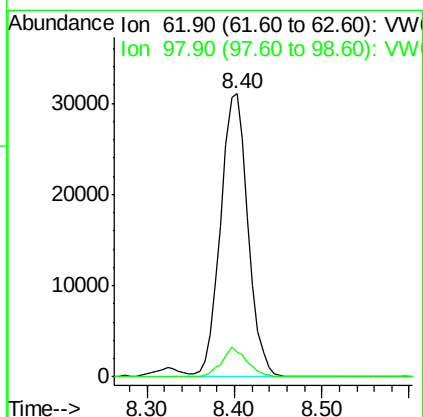
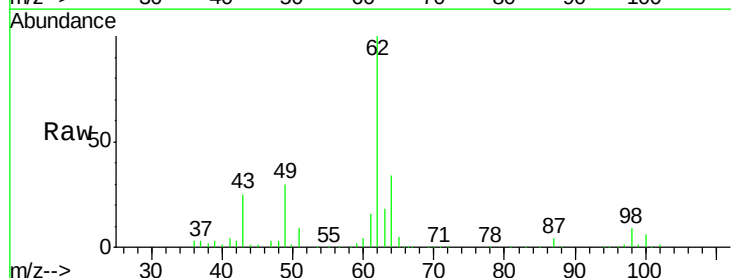
RT: 8.40 min Scan# 1066

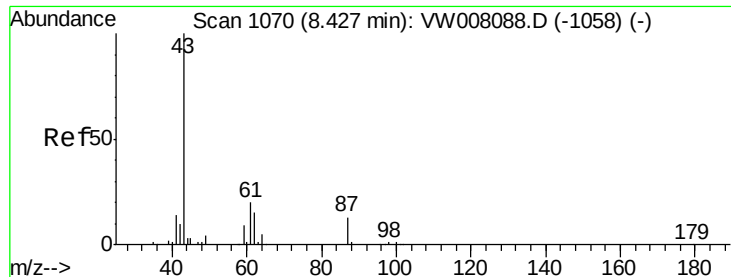
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	18.6





#43

Isopropyl Acetate

Concen: 49.375 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

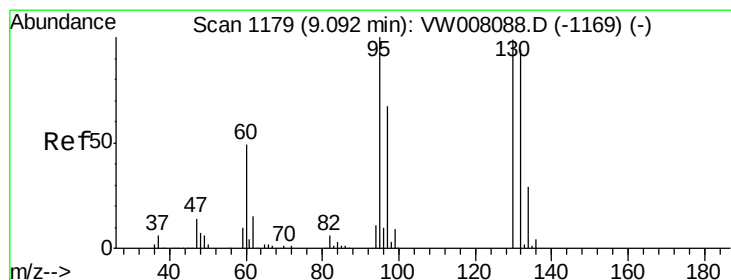
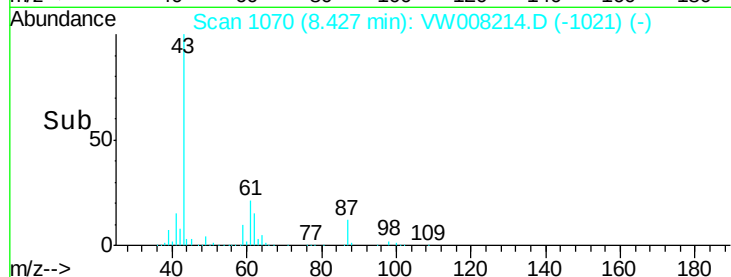
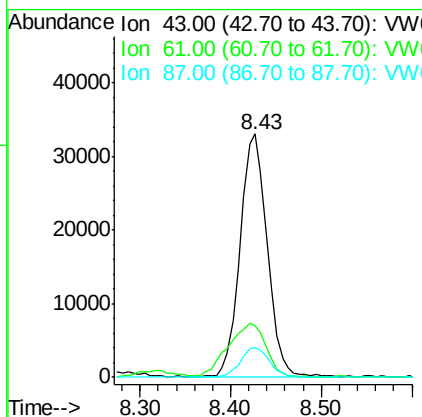
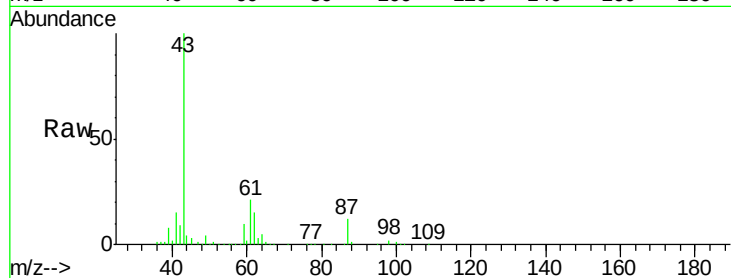
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	68227
Ion	Ratio	Lower	Upper
43	100		
61	31.3	24.8	37.2
87	13.1	10.4	15.6

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#44

Trichloroethene

Concen: 53.105 ug/l

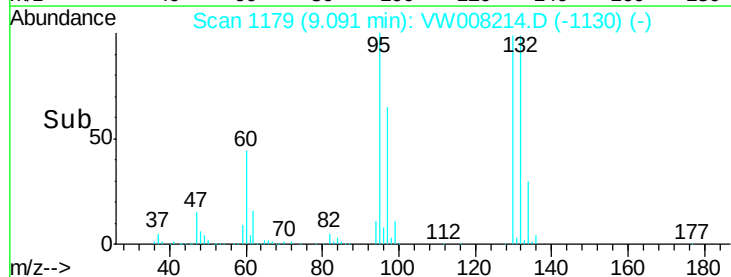
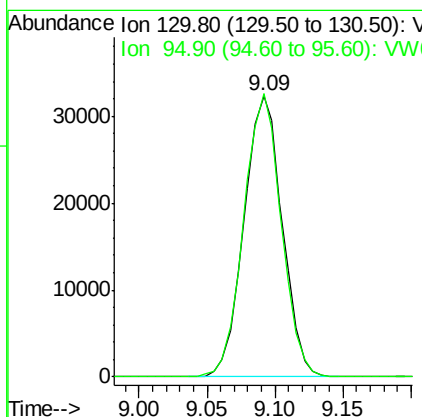
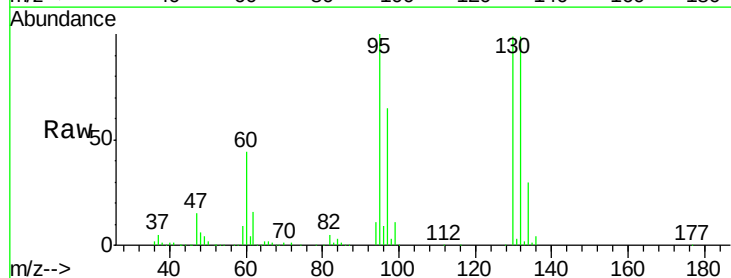
RT: 9.09 min Scan# 1179

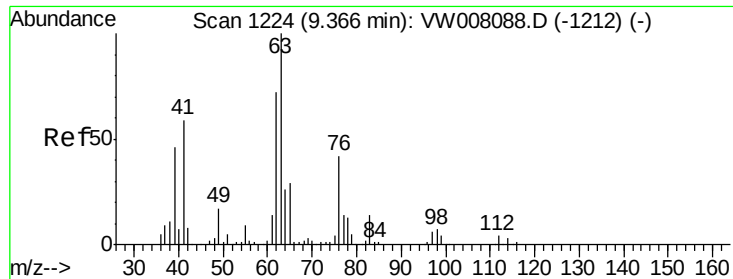
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion:	130	Resp:	63606
Ion	Ratio	Lower	Upper
130	100		
95	100.7	0.0	202.8





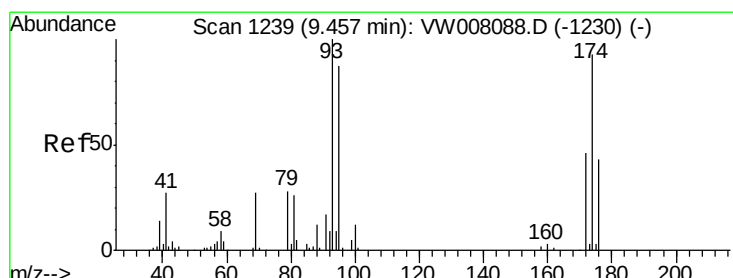
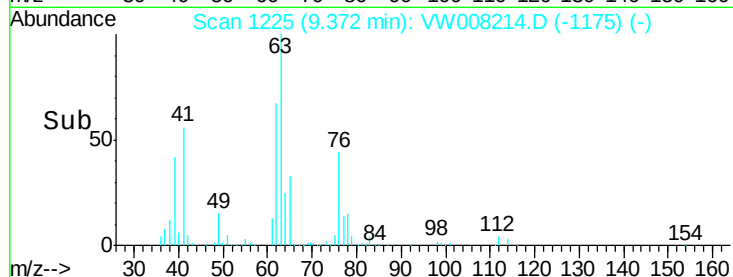
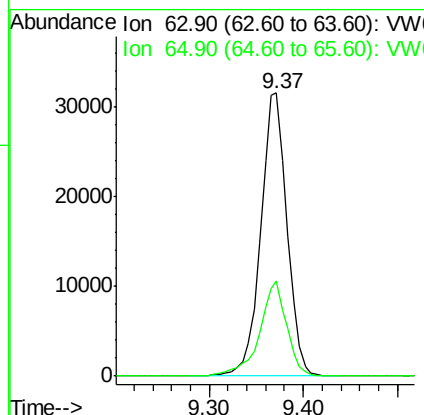
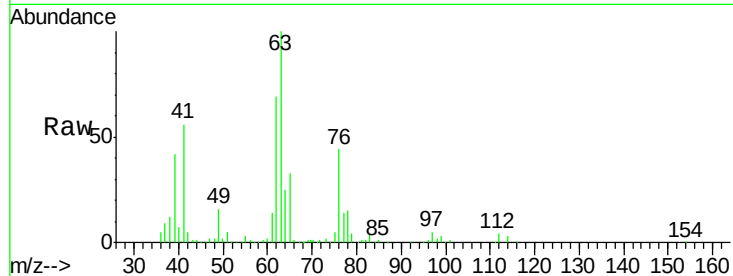
#45
 1,2-Dichloropropane
 Concen: 53.496 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 62064
 Ion Ratio Lower Upper
 63 100
 65 33.5 23.3 34.9

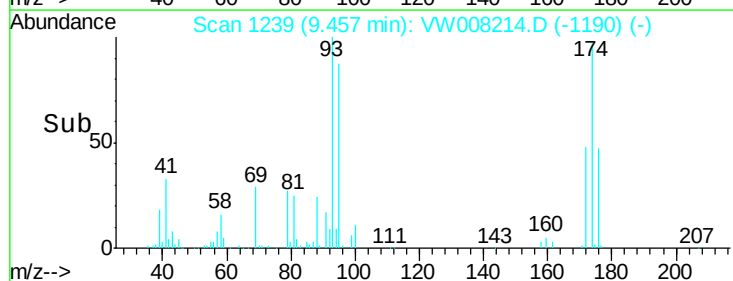
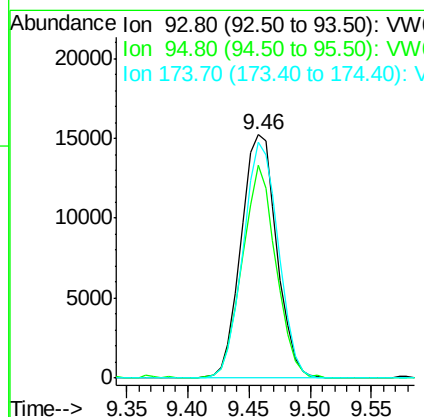
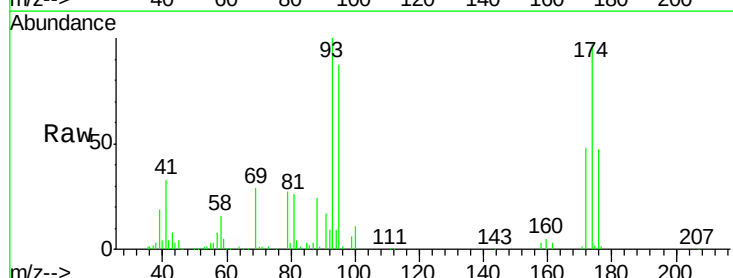
Manual Integrations
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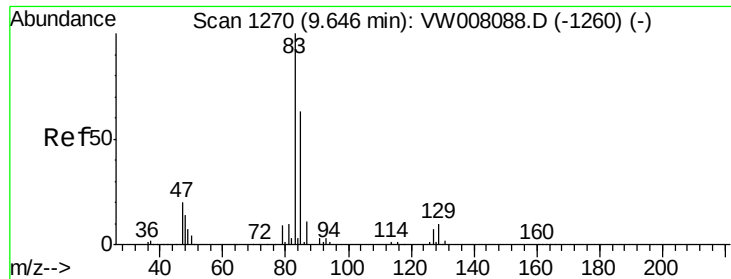
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#46
 Dibromomethane
 Concen: 54.124 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Tgt Ion: 93 Resp: 30838
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.5 101.3
 174 95.7 72.5 108.7





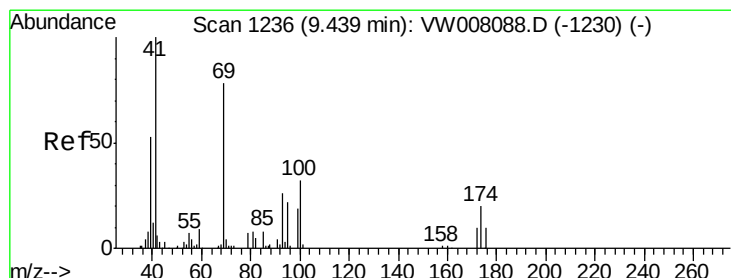
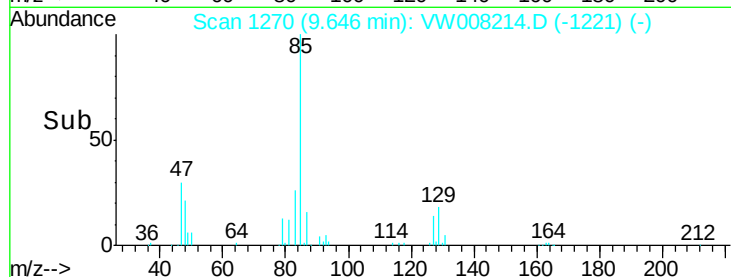
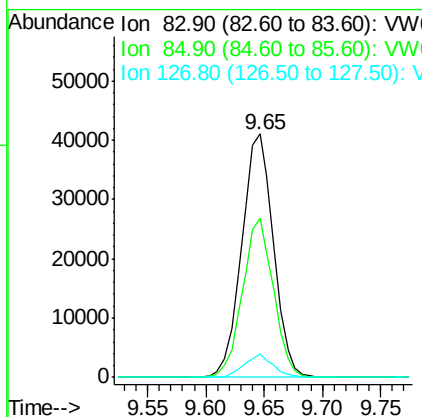
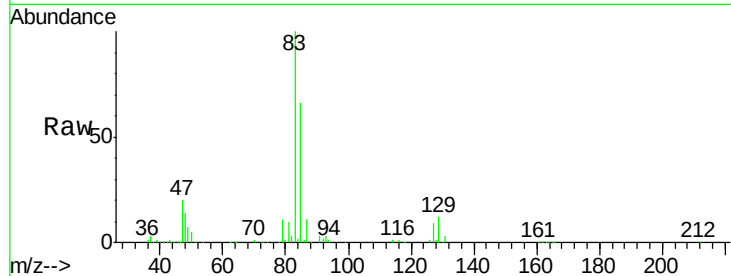
#47
 Bromodichloromethane
 Concen: 53.868 ug/l
 RT: 9.65 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	83	Resp	77934
Ion Ratio	100	Lower	Upper
83	100		
85	65.4	50.7	76.1
127	9.4	6.0	9.0#

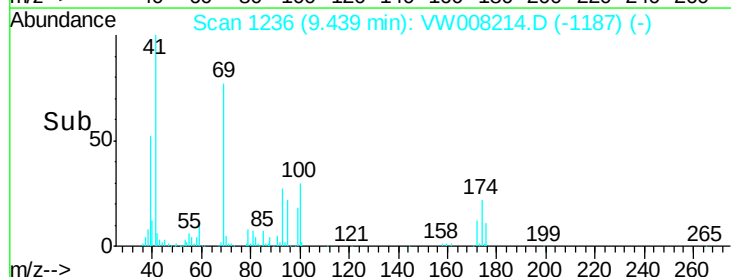
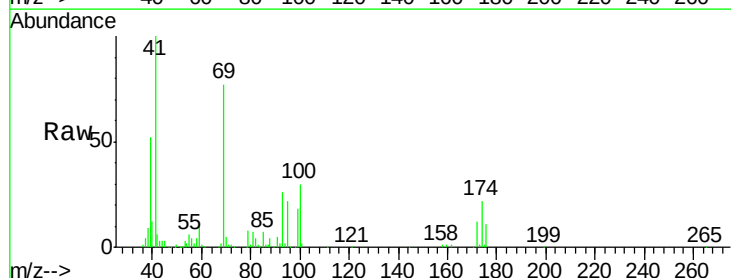
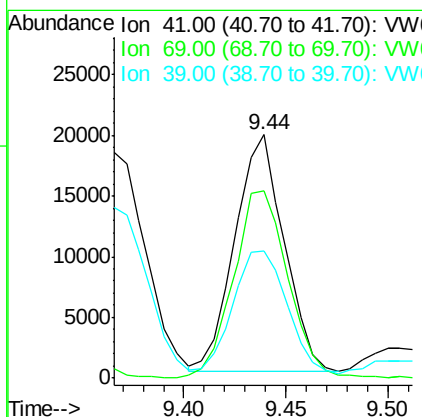
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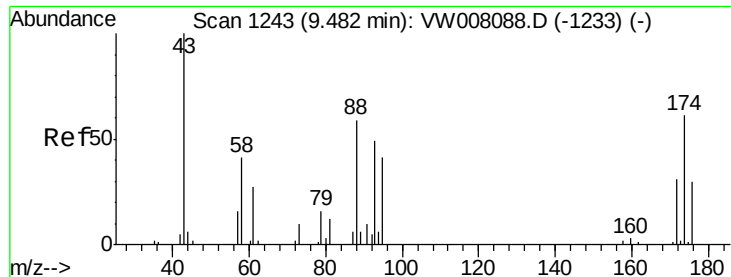
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#48
 Methyl methacrylate
 Concen: 50.061 ug/l
 RT: 9.44 min Scan# 1236
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Tgt Ion	41	Resp	32641
Ion Ratio	100	Lower	Upper
41	100		
69	88.1	61.9	92.9
39	59.6	43.0	64.4





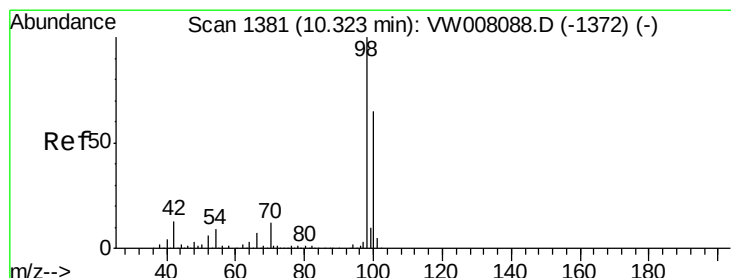
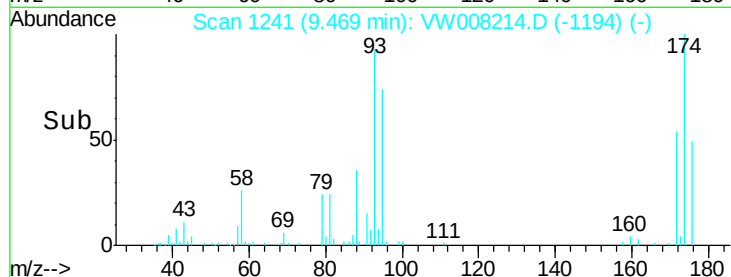
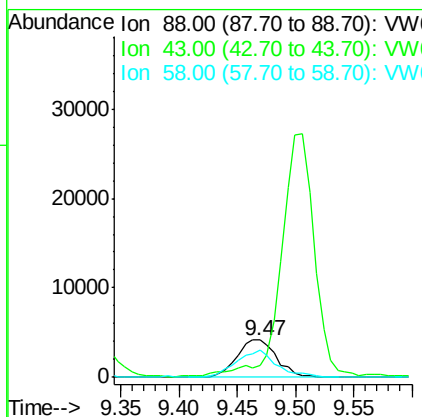
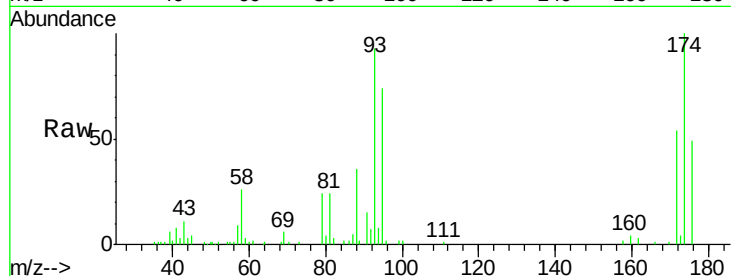
#49
1,4-Dioxane
Concen: 1093.648 ug/l
RT: 9.47 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	10021
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	75.0	61.7	92.5

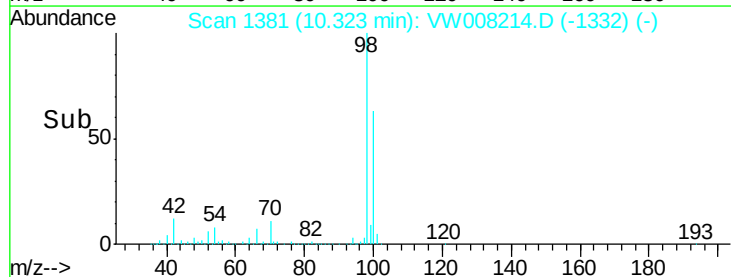
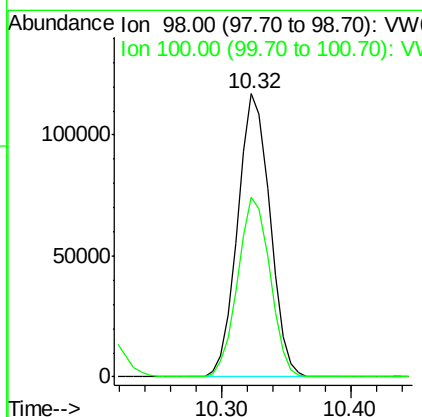
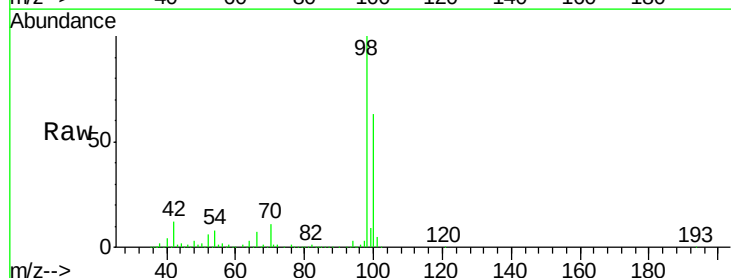
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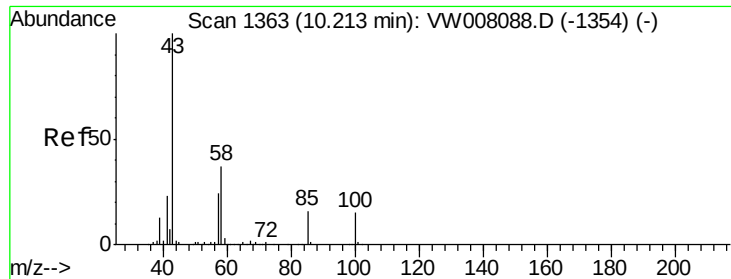
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#50
Toluene-d8
Concen: 49.628 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	98	Resp	203413
Ion	Ratio	Lower	Upper
98	100		
100	63.6	51.7	77.5





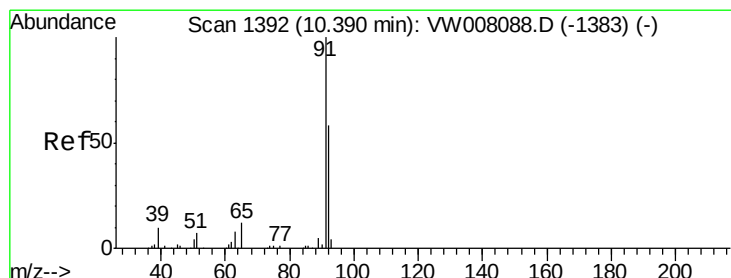
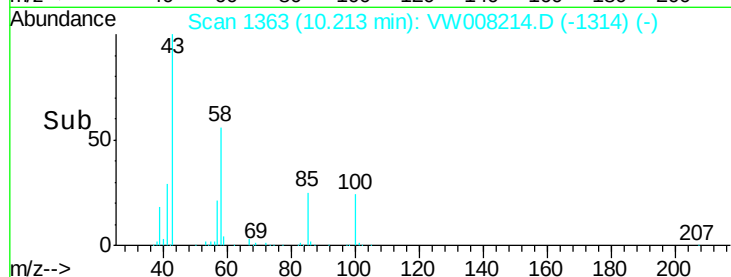
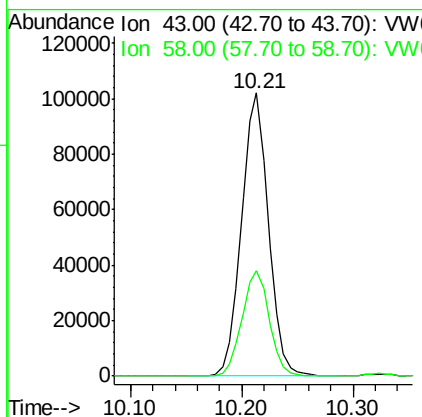
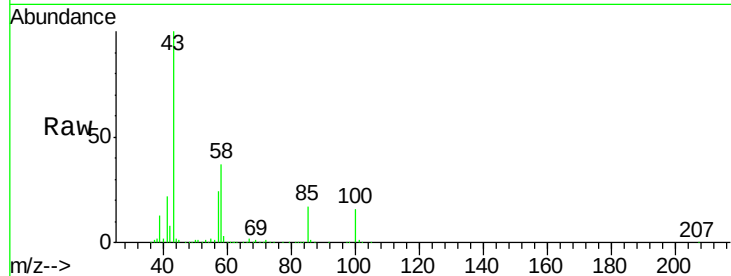
#51
4-Methyl-2-Pentanone
Concen: 254.680 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.6	46.0

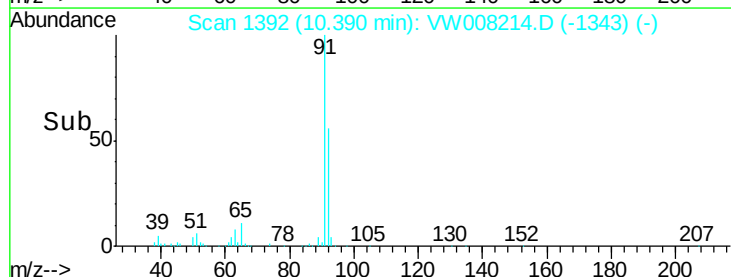
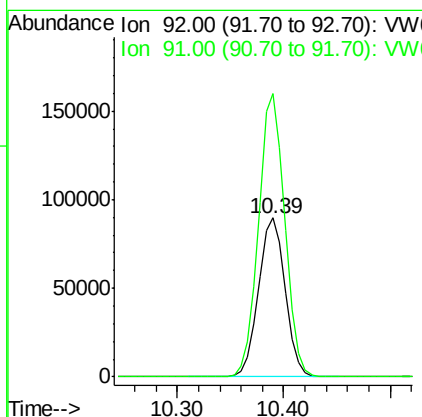
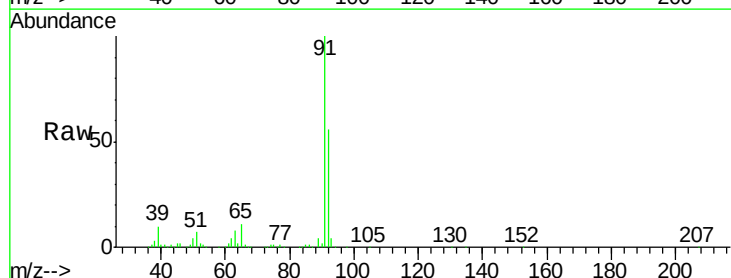
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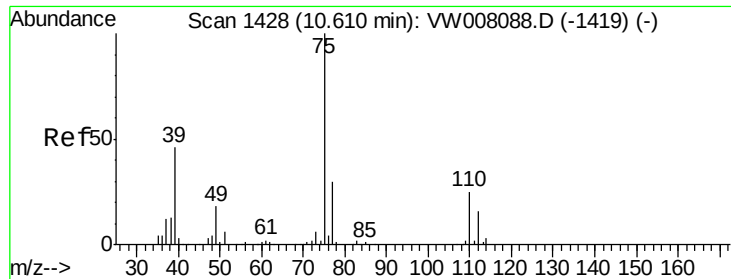
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#52
Toluene
Concen: 52.657 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.6	137.0	205.4





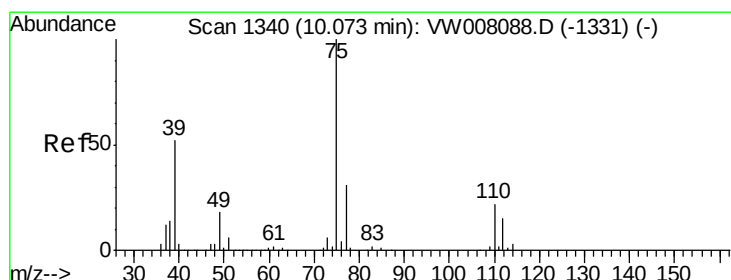
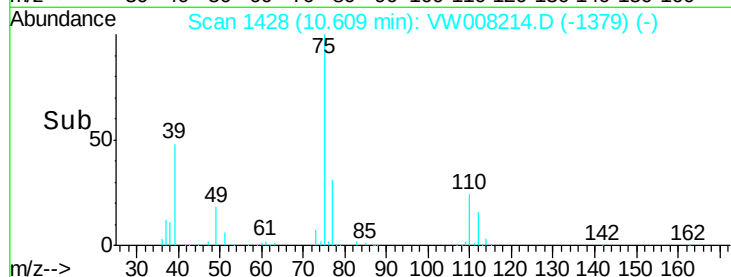
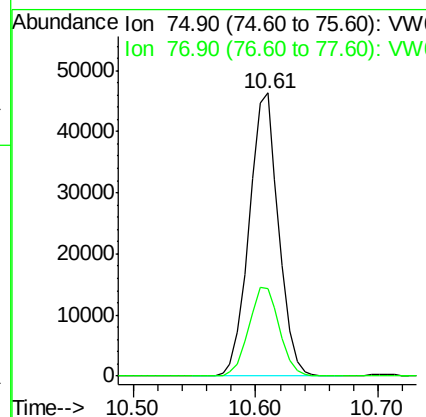
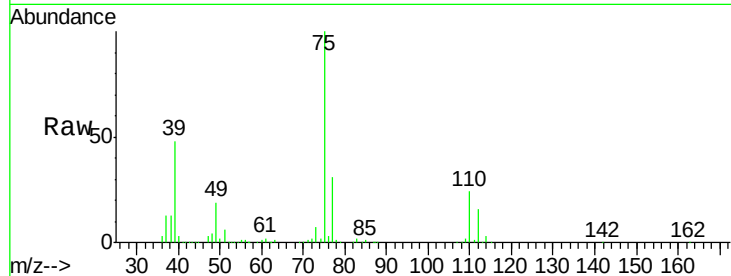
#53
t-1,3-Dichloropropene
Concen: 51.297 ug/l
RT: 10.61 min Scan# 1428
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampled :
VSTDCCC050

Tot Ion: 75 Resp: 77196
Ion Ratio Lower Upper
75 100
77 31.0 24.4 36.6

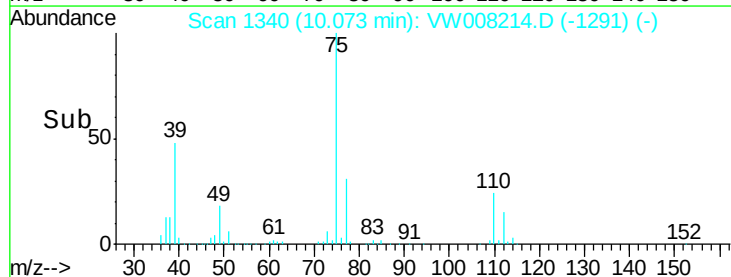
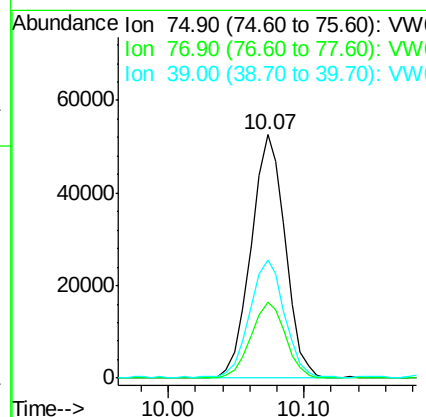
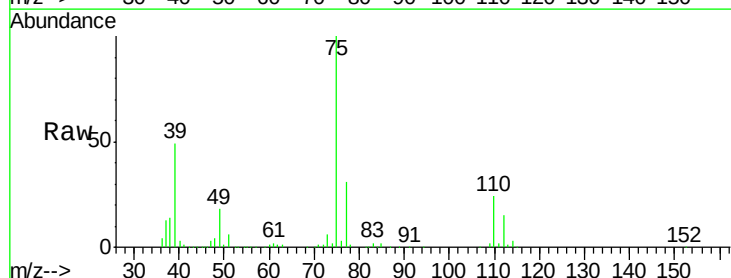
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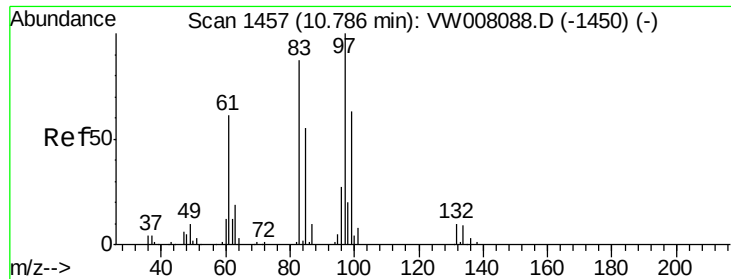
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#54
cis-1,3-Dichloropropene
Concen: 51.889 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion: 75 Resp: 92596
Ion Ratio Lower Upper
75 100
77 31.2 25.2 37.8
39 48.3 41.4 62.0





#55

1,1,2-Trichloroethane

Concen: 54.196 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

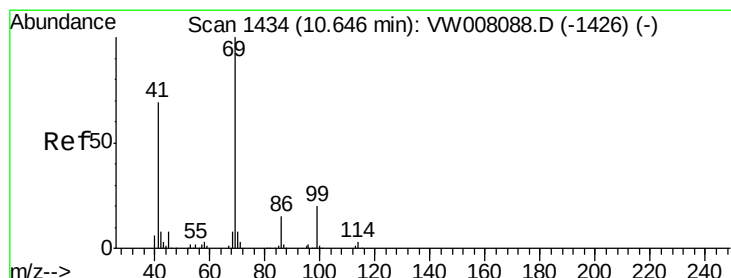
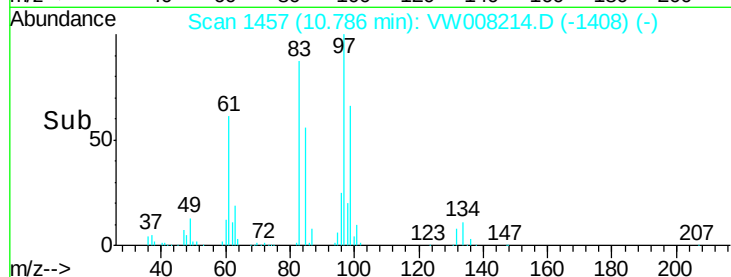
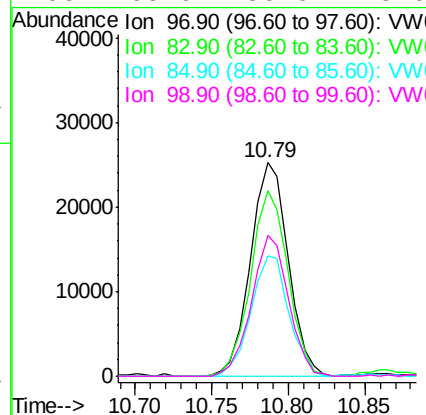
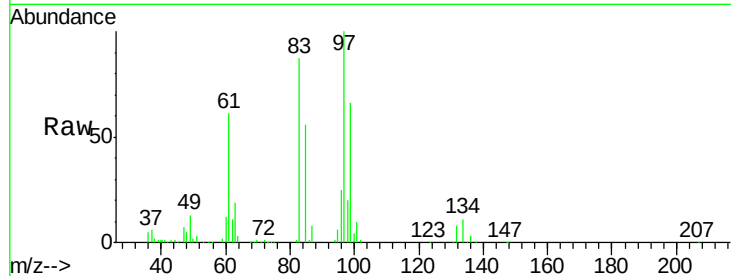
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	43354
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.3	103.9
85	56.1	43.8	65.6
99	65.9	50.0	75.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.675 ug/l

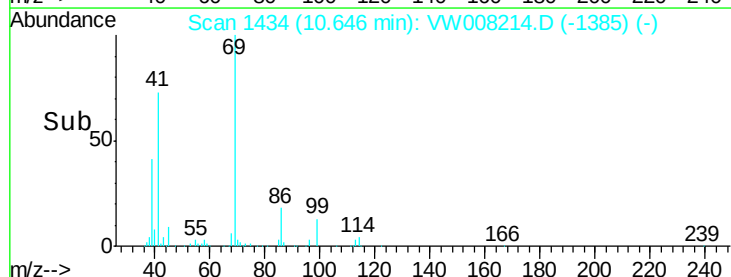
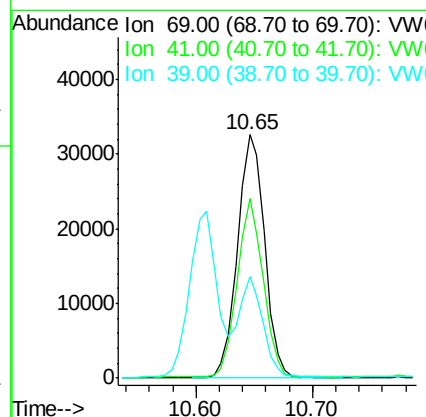
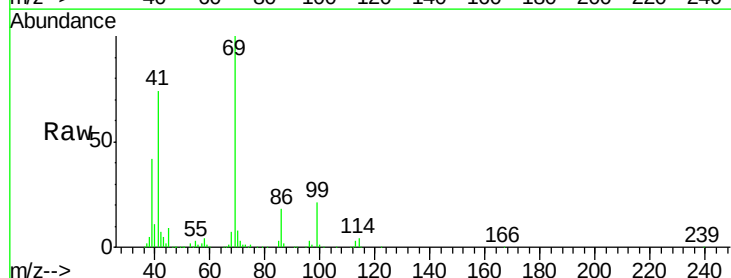
RT: 10.65 min Scan# 1434

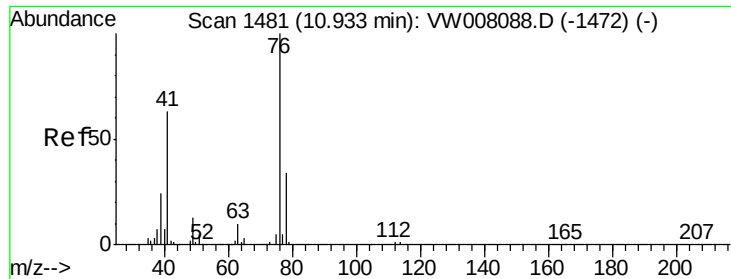
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion:	69	Resp:	53174
Ion	Ratio	Lower	Upper
69	100		
41	70.2	56.4	84.6
39	36.5	28.1	42.1





#57

1,3-Dichloropropane

Concen: 53.783 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 78685

Ion Ratio Lower Upper

76 100

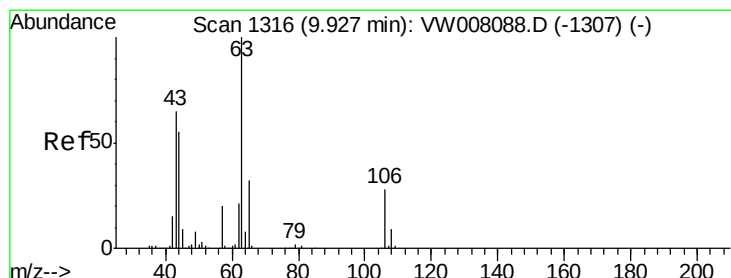
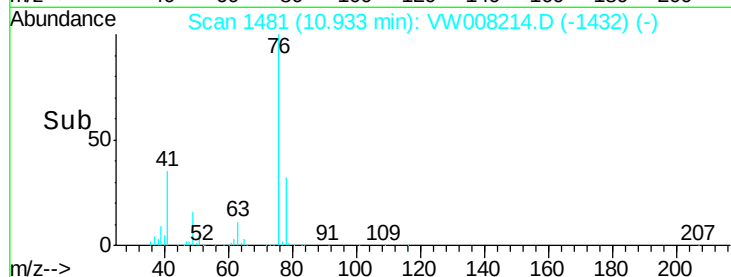
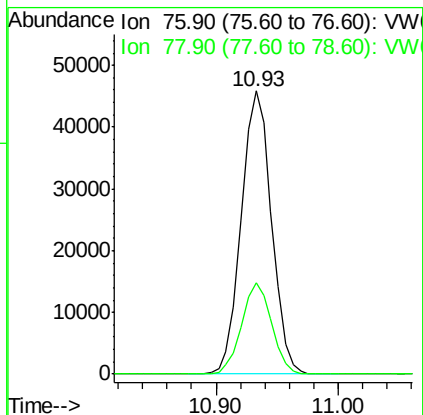
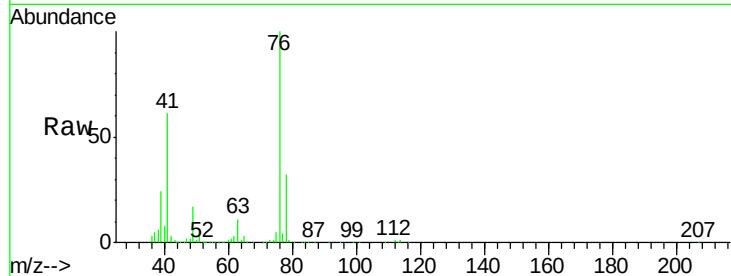
78 31.8 25.7 38.5

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#58

2-Chloroethyl Vinyl ether

Concen: 254.721 ug/l

RT: 9.93 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VW008214.D

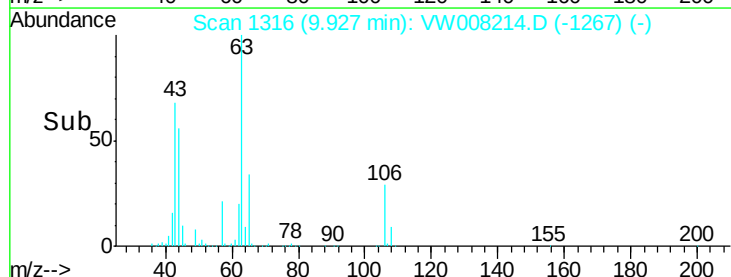
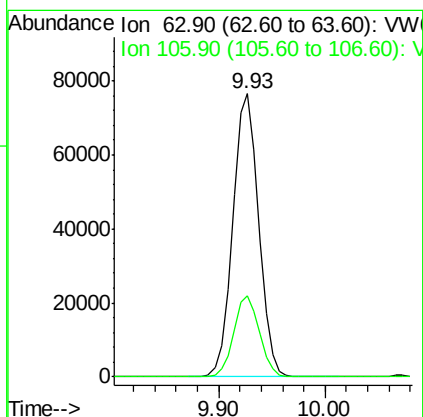
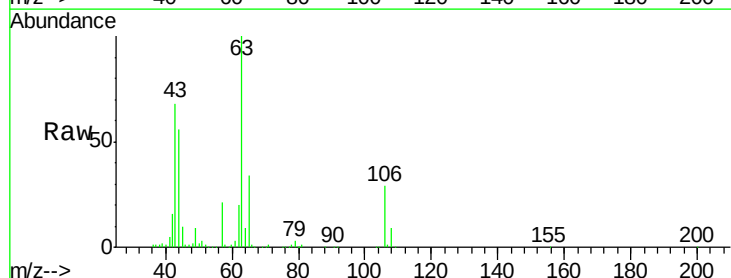
Acq: 12 Jan 2019 01:25

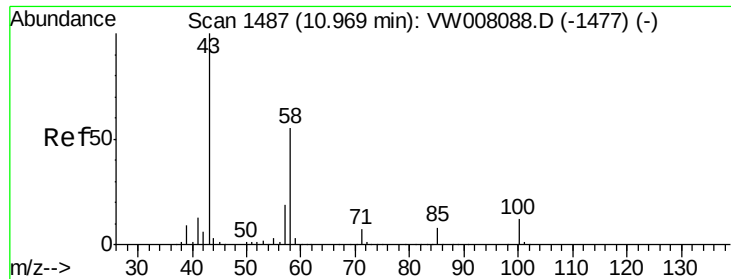
Tgt Ion: 63 Resp: 130349

Ion Ratio Lower Upper

63 100

106 28.5 21.8 32.6





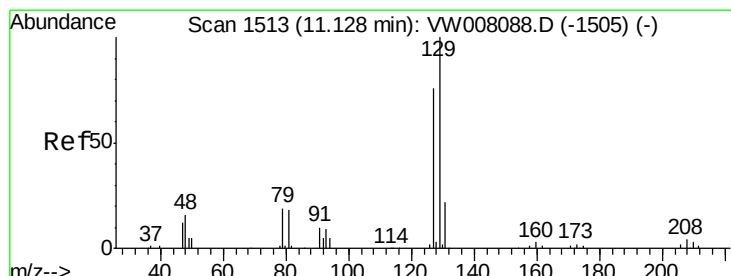
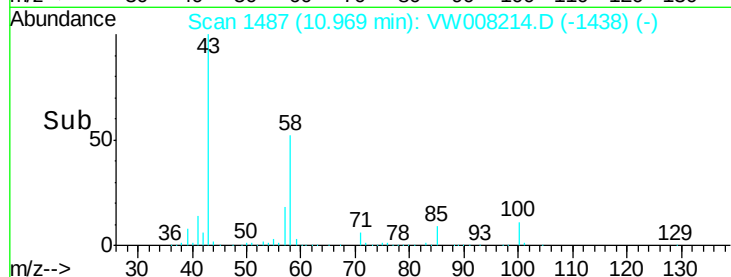
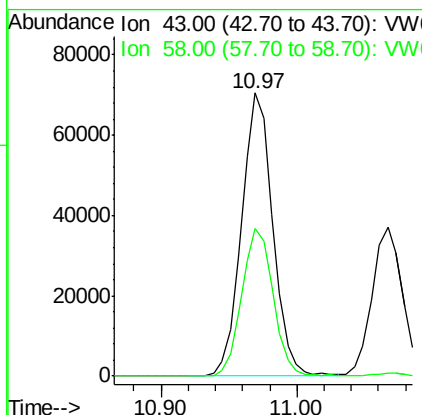
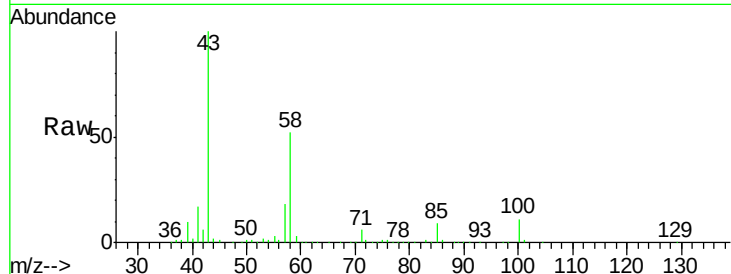
#59
2-Hexanone
Concen: 249.408 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 112814
Ion Ratio Lower Upper
43 100
58 52.8 27.2 81.5

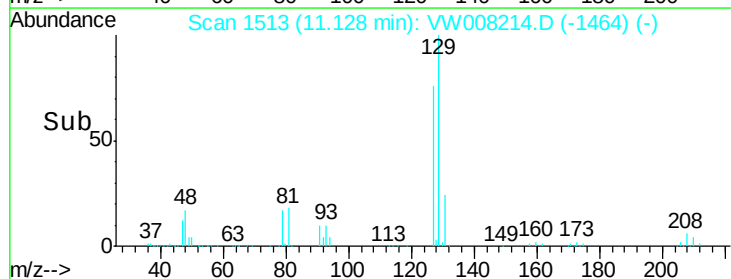
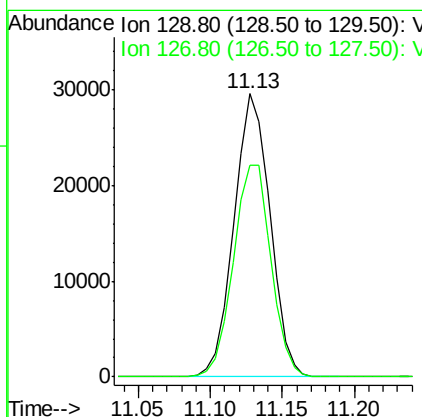
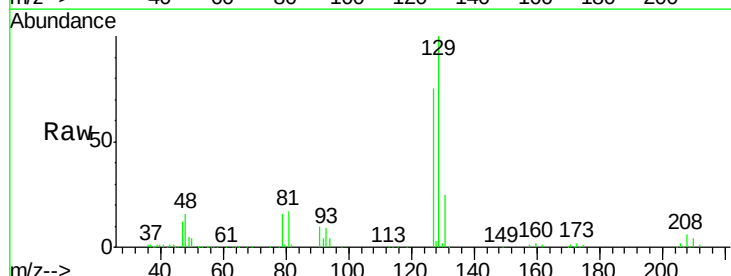
Manual Integrations
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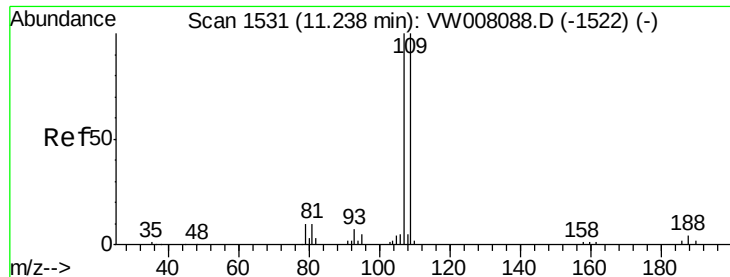
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#60
Dibromochloromethane
Concen: 58.824 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion: 129 Resp: 51673
Ion Ratio Lower Upper
129 100
127 77.8 38.9 116.6





#61

1,2-Dibromoethane

Concen: 55.201 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:107 Resp: 41900

Ion Ratio Lower Upper

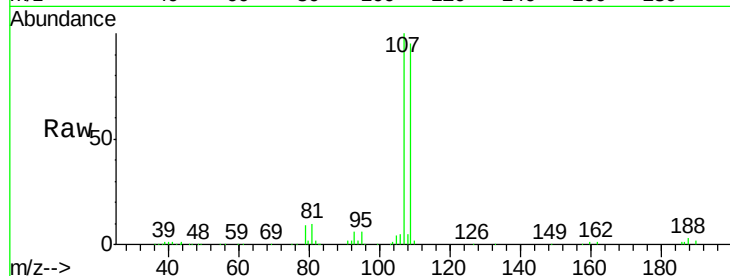
107 100

109 94.4 75.9 113.9

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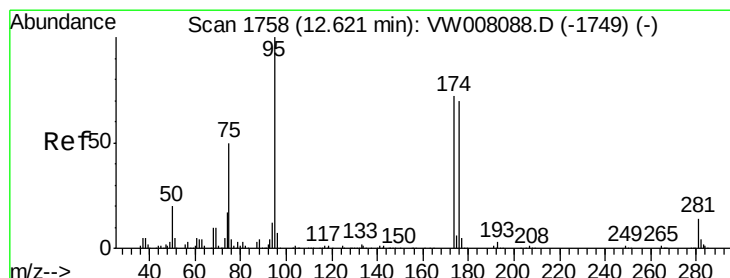
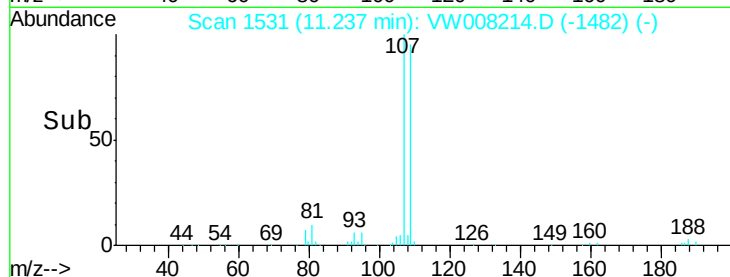
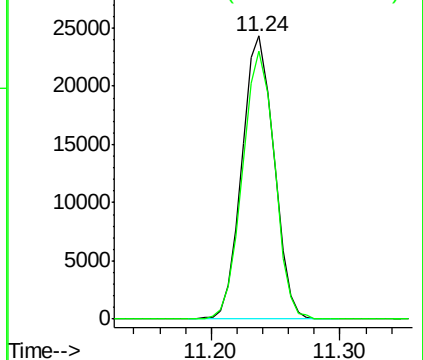
apatel

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 47.954 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

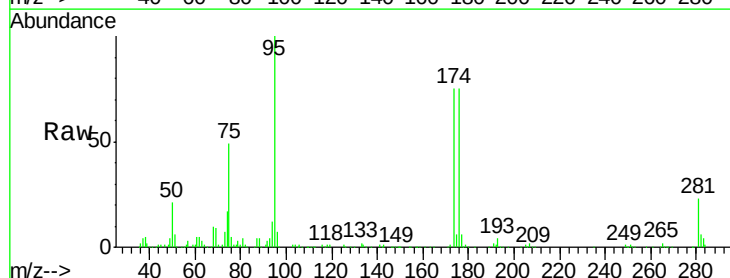
Tgt Ion: 95 Resp: 70464

Ion Ratio Lower Upper

95 100

174 78.5 0.0 143.0

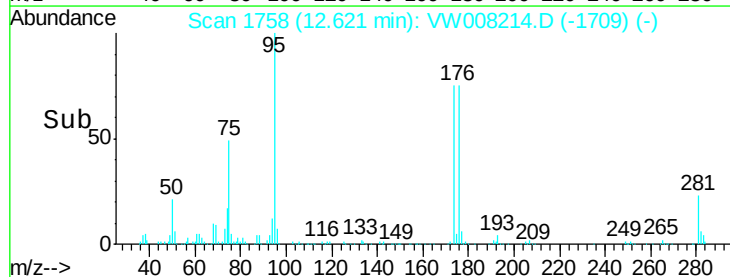
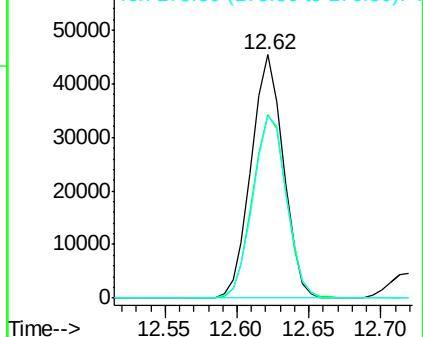
176 78.2 0.0 140.2

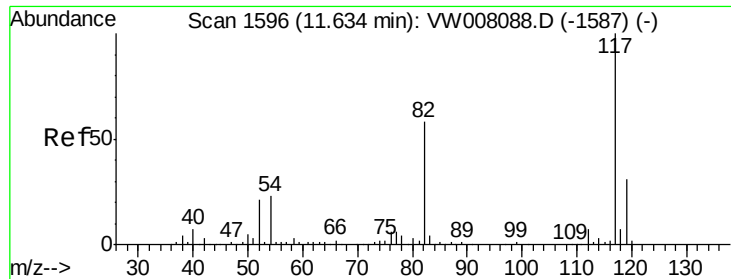


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





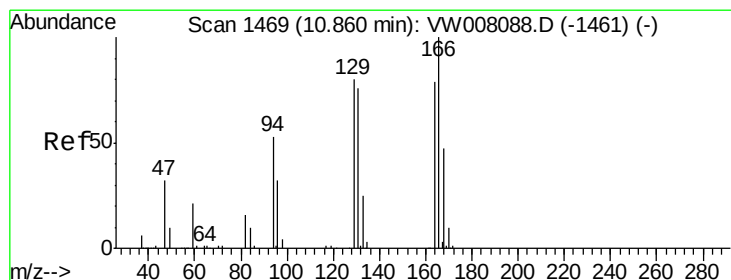
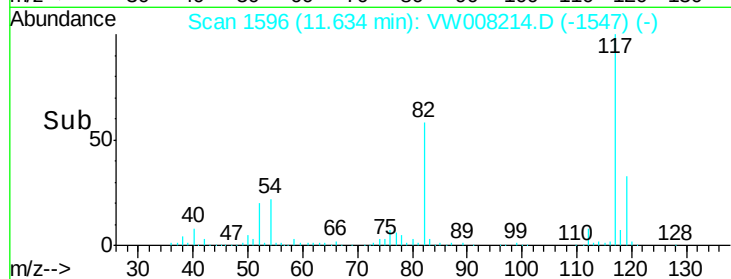
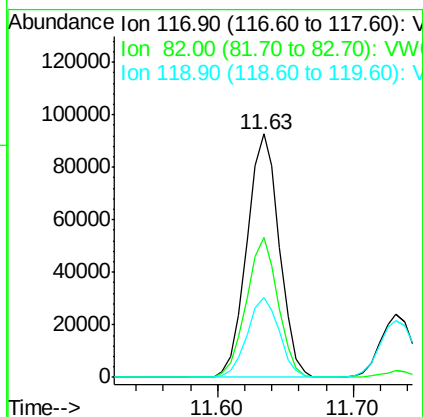
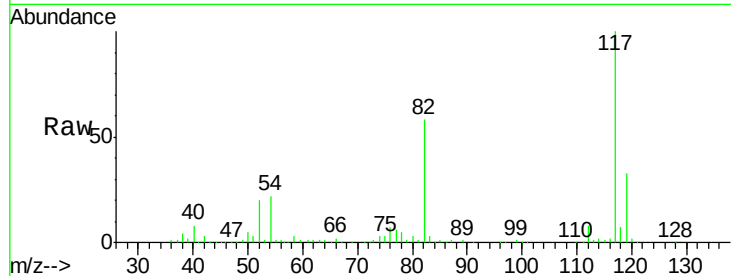
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	57.7	46.4	69.6
119	32.7	24.7	37.1

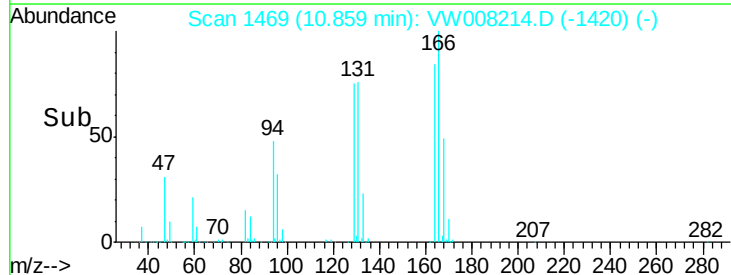
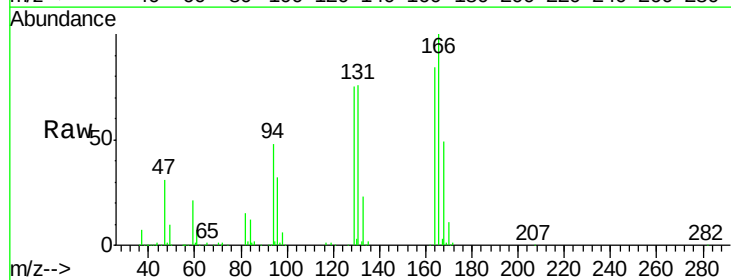
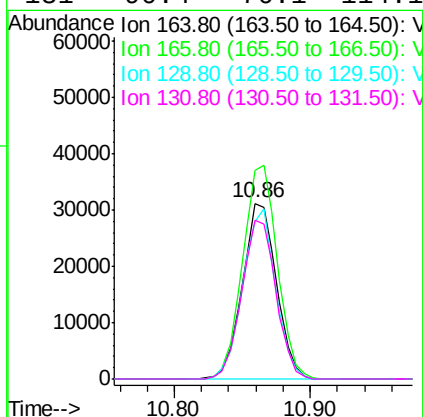
Manual Integrations
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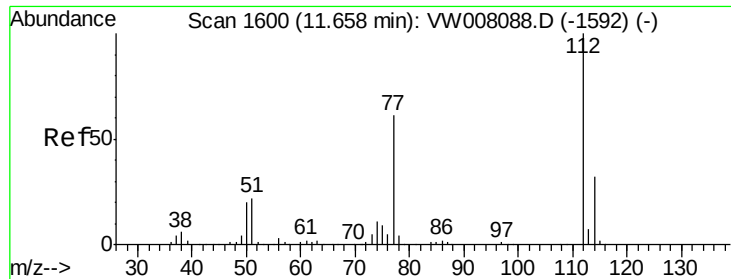
apatel
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#64
Tetrachloroethene
Concen: 54.241 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.6	100.7	151.1
129	89.5	81.0	121.4
131	90.4	76.1	114.1





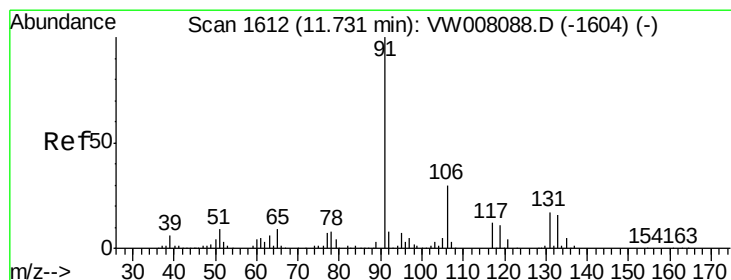
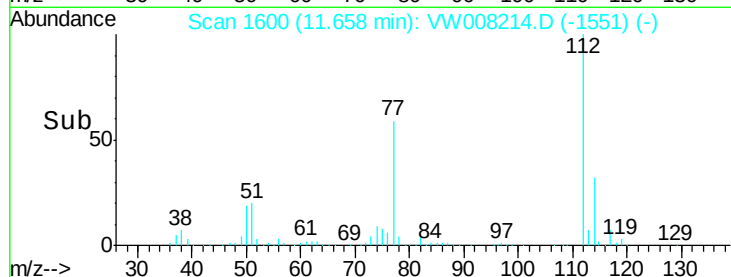
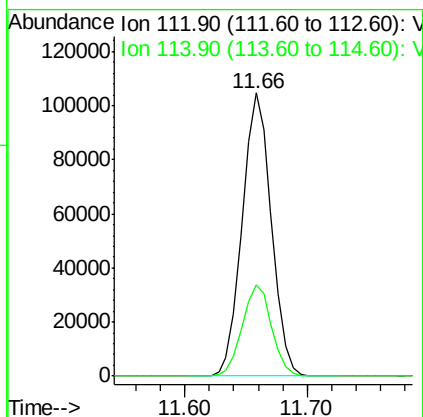
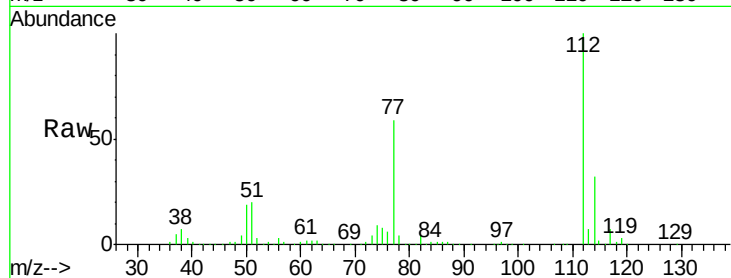
#65
Chlorobenzene
Concen: 52.701 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 172652
Ion Ratio Lower Upper
112 100
114 32.2 25.6 38.4

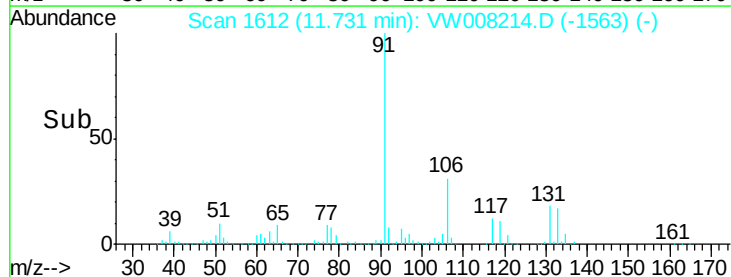
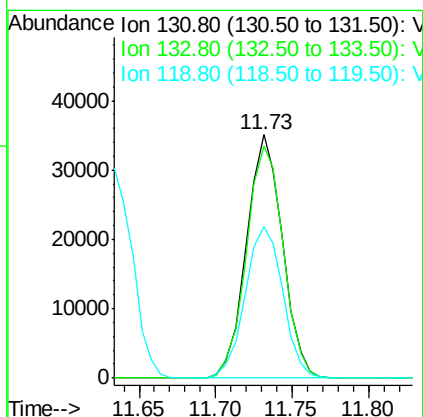
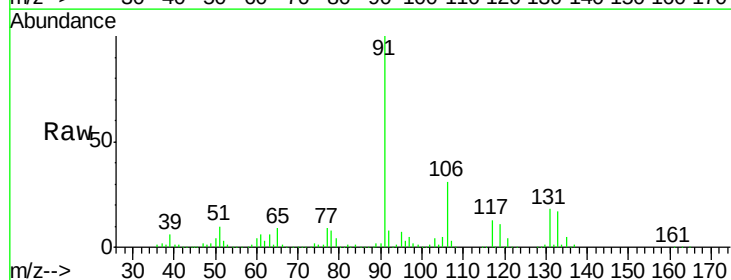
Manual Integrations
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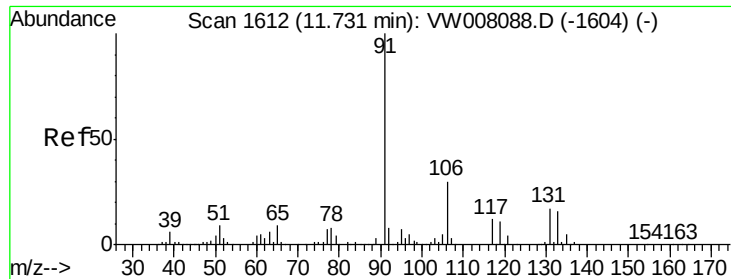
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.840 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion:131 Resp: 57369
Ion Ratio Lower Upper
131 100
133 97.7 47.9 143.7
119 65.1 32.5 97.4





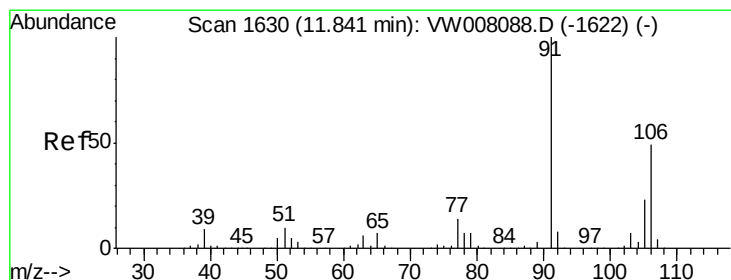
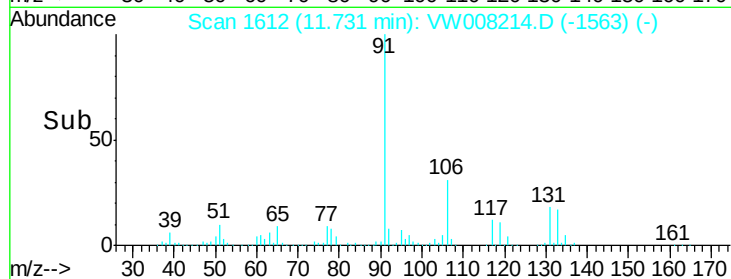
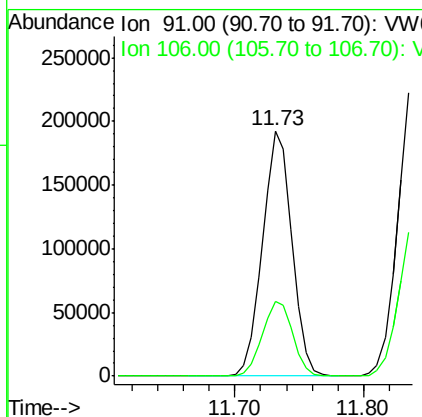
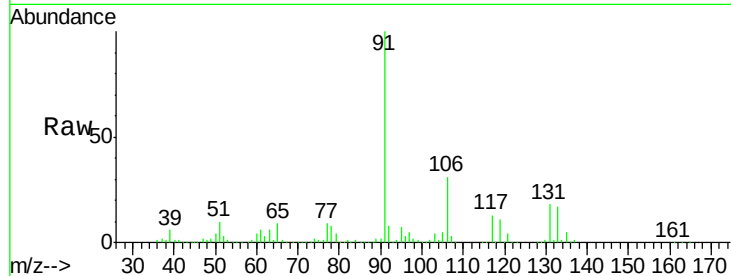
#67
Ethyl Benzene
Concen: 50.616 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 303405
Ion Ratio Lower Upper
91 100
106 30.6 24.2 36.4

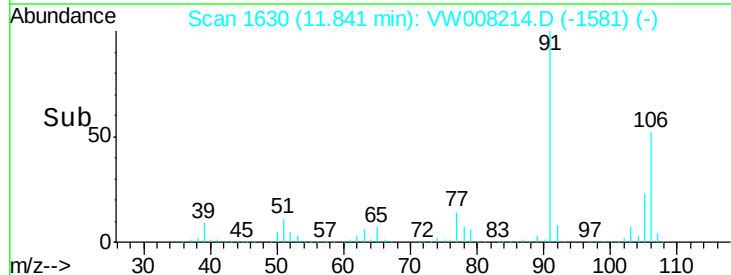
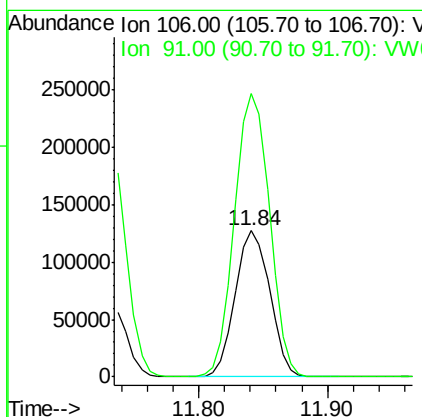
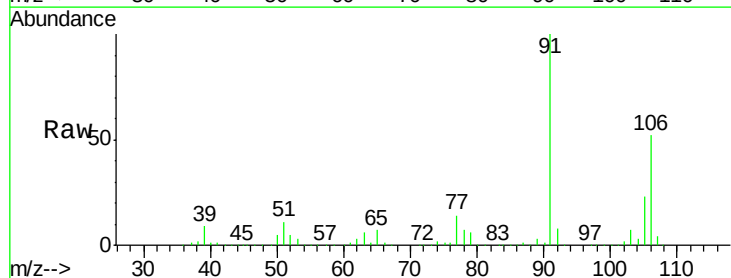
Manual Integrations
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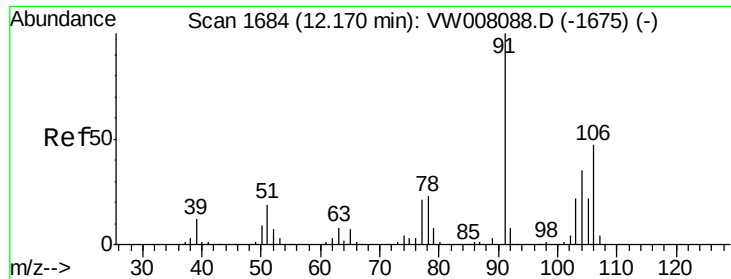
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#68
m/p-Xylenes
Concen: 104.097 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion: 106 Resp: 238168
Ion Ratio Lower Upper
106 100
91 195.9 162.4 243.6





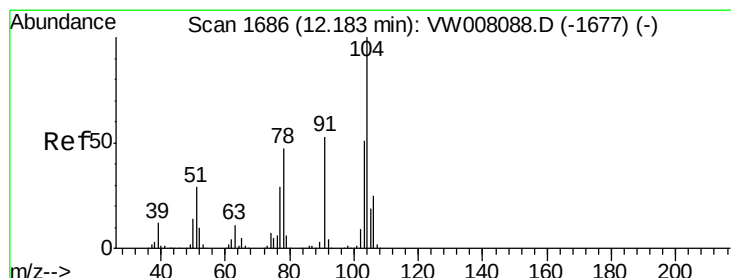
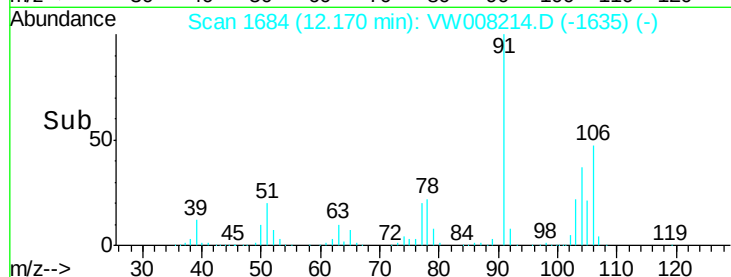
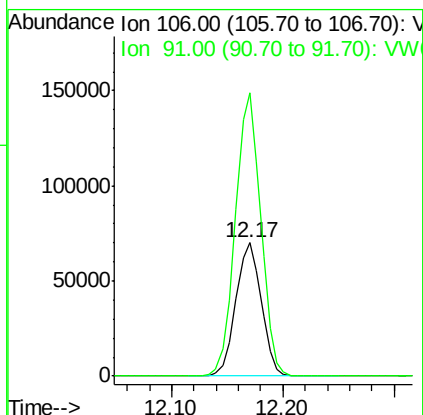
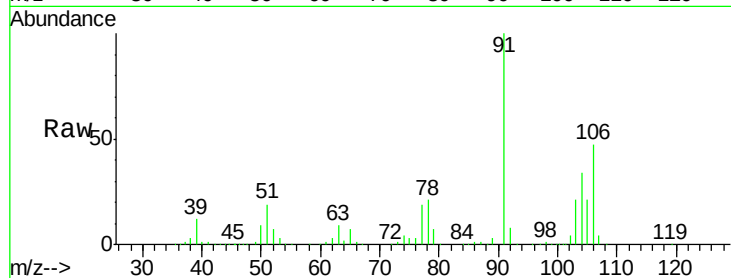
#69
o-Xylene
Concen: 52.251 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 110706
Ion Ratio Lower Upper
106 100
91 211.5 107.8 323.6

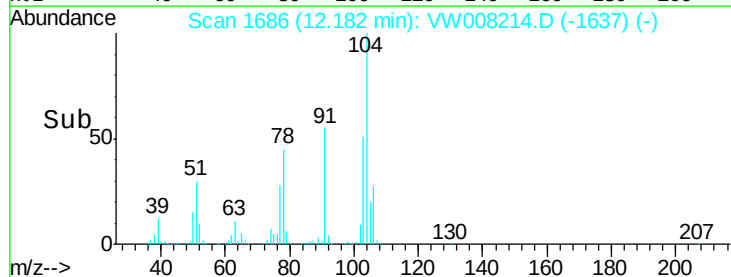
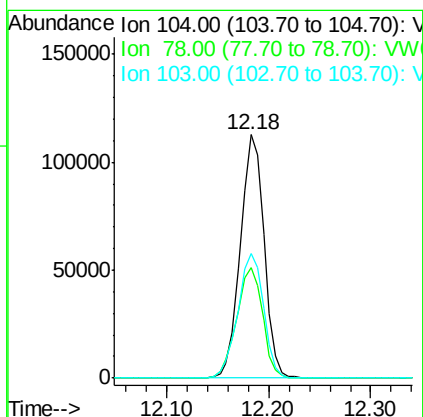
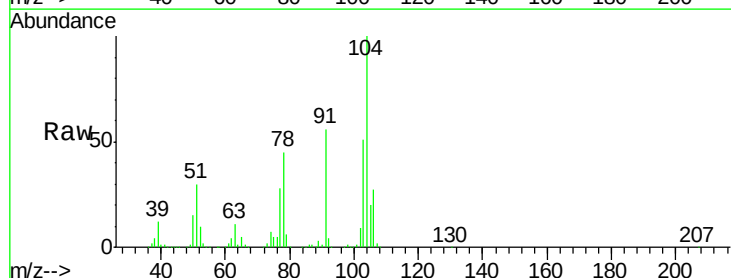
Manual Integrations
APPROVED

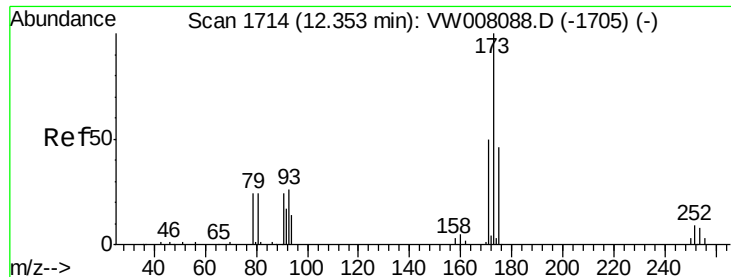
apatel
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#70
Styrene
Concen: 54.713 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion:104 Resp: 181572
Ion Ratio Lower Upper
104 100
78 49.7 41.8 62.8
103 55.5 43.8 65.8





#71

Bromoform

Concen: 58.148 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 27730

Ion Ratio Lower Upper

173 100

175 48.9 23.3 69.8

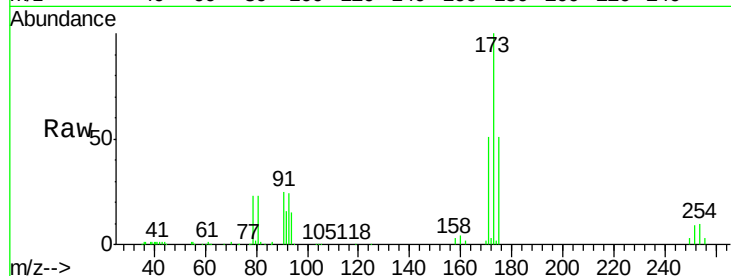
254 0.0 0.0 0.0

Manual Integrations

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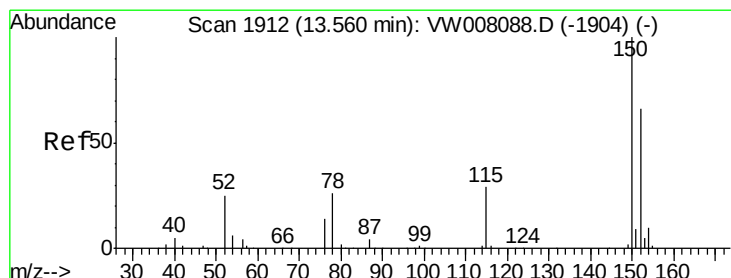
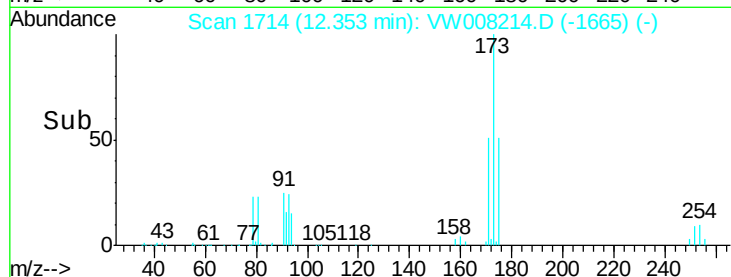
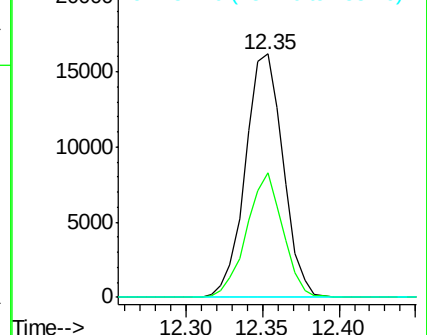
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.57 min Scan# 1913

Delta R.T. 0.01 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

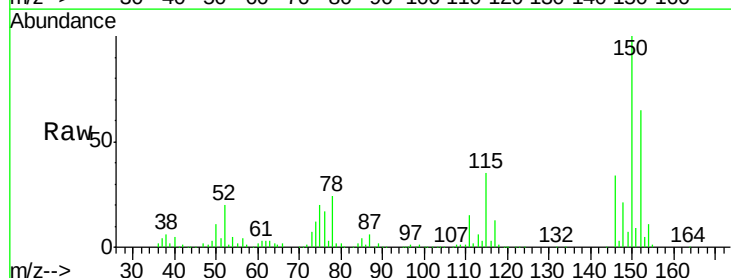
Tgt Ion:152 Resp: 75685

Ion Ratio Lower Upper

152 100

115 57.7 30.8 92.4

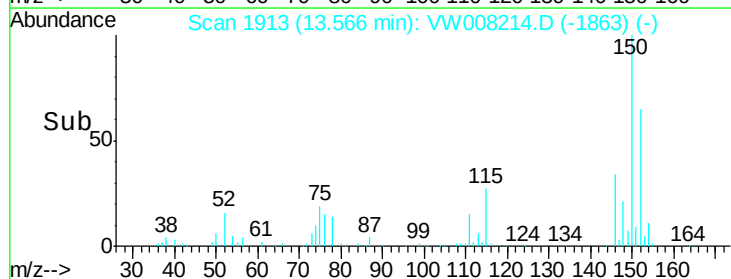
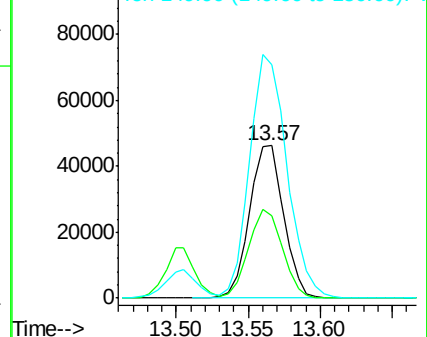
150 175.2 0.0 350.2

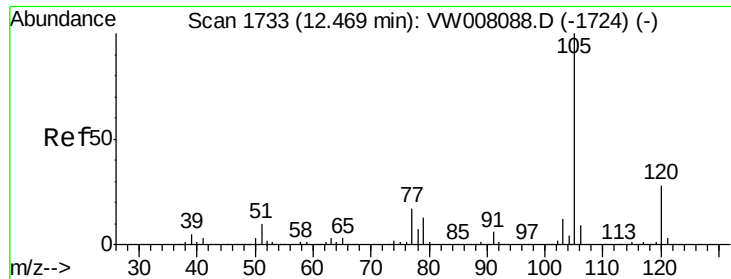


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 50.534 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 300270

Ion Ratio Lower Upper

105 100

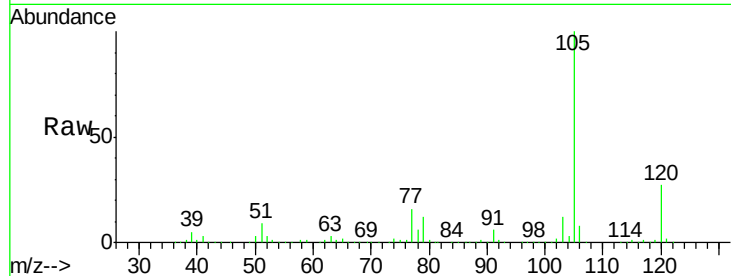
120 26.7 13.6 40.8

Manual Integrations

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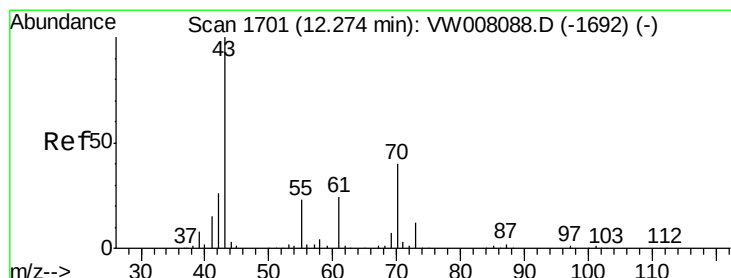
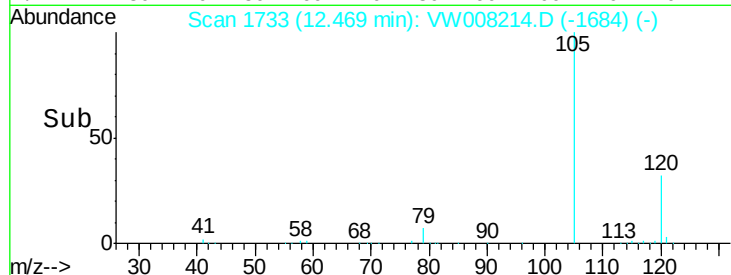
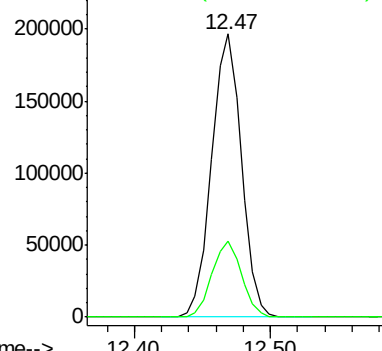
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.712 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion: 43 Resp: 62783

Ion Ratio Lower Upper

43 100

70 42.4 32.4 48.6

55 25.1 18.7 28.1

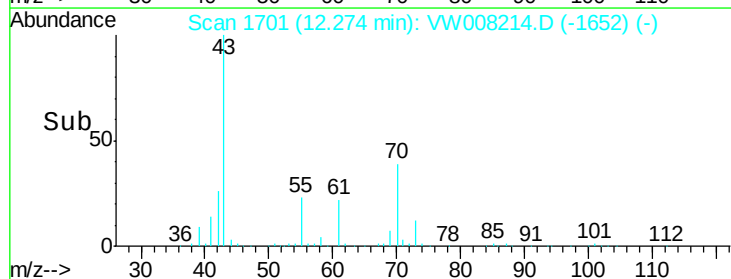
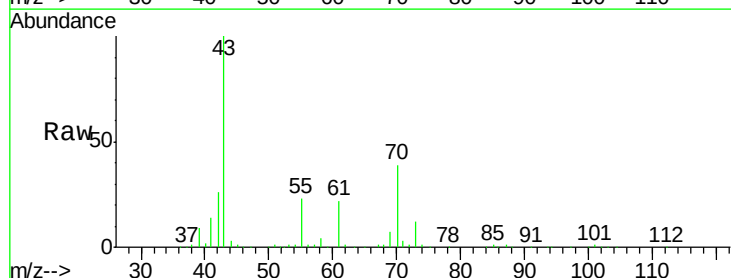
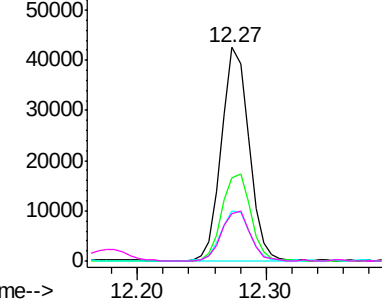
61 24.3 19.0 28.6

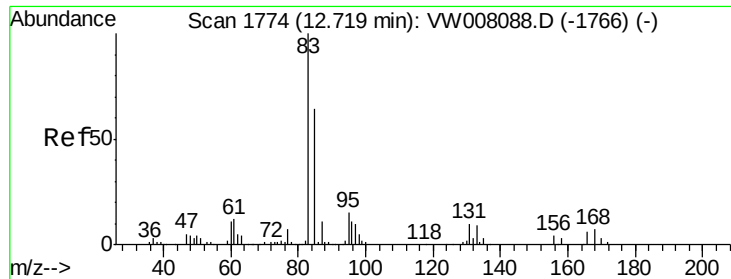
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW





#75

1,1,2,2-Tetrachloroethane

Concen: 52.038 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

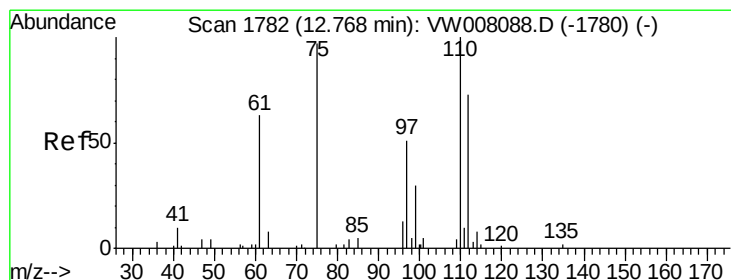
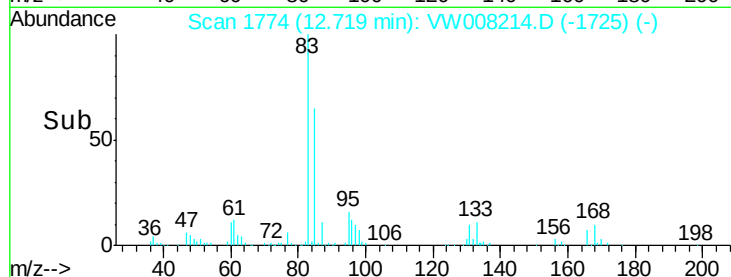
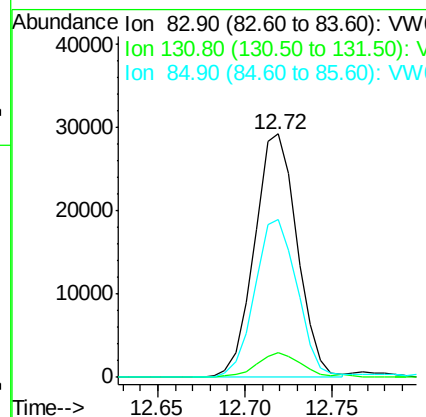
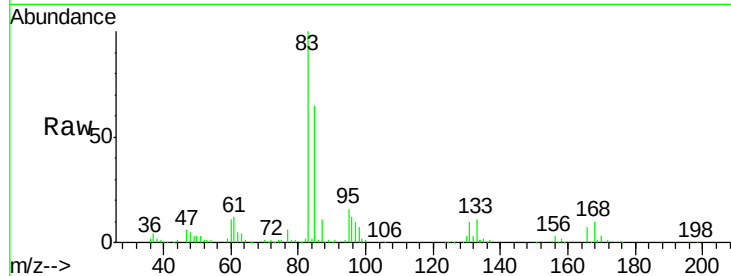
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	49493
Ion Ratio	Lower	Upper	
83	100		
131	10.9	5.3	16.1
85	64.8	32.4	97.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.540 ug/l m

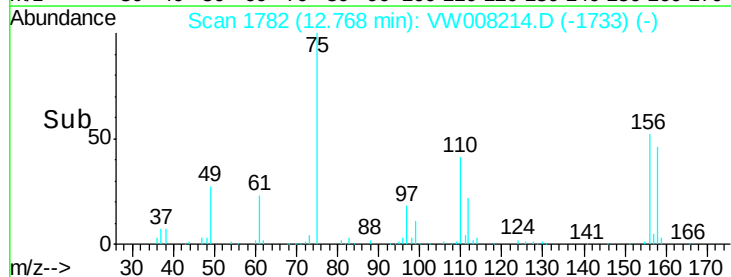
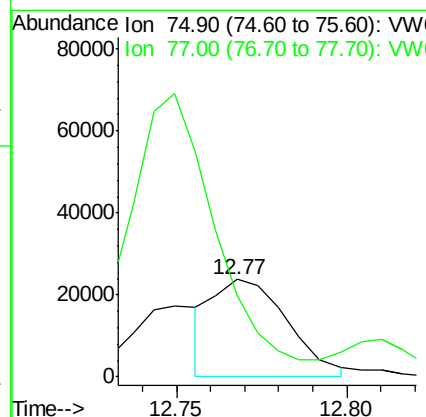
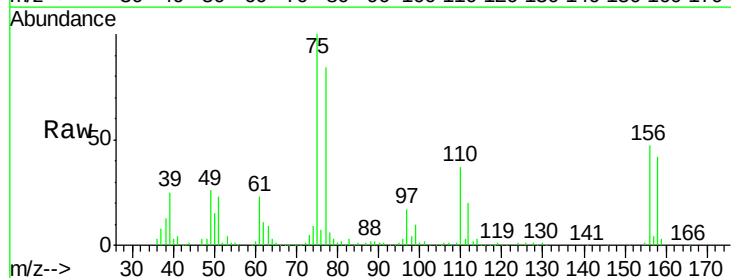
RT: 12.77 min Scan# 1782

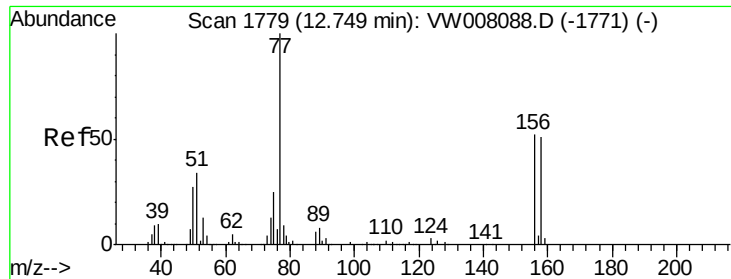
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion:	75	Resp:	36250
Ion Ratio	Lower	Upper	
75	100		
77	347.0	179.4	538.2





#77

Bromobenzene

Concen: 53.226 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

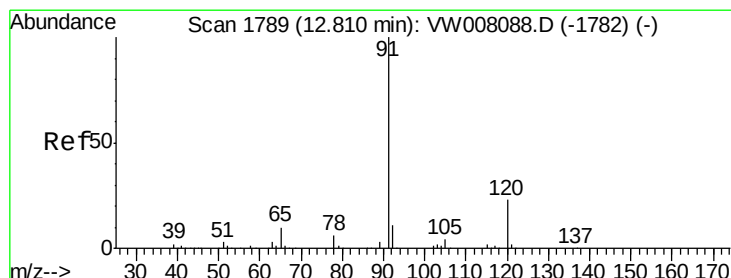
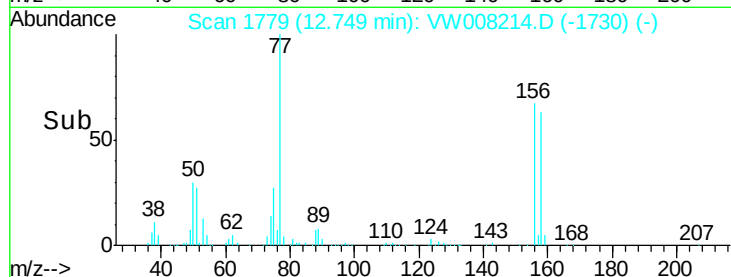
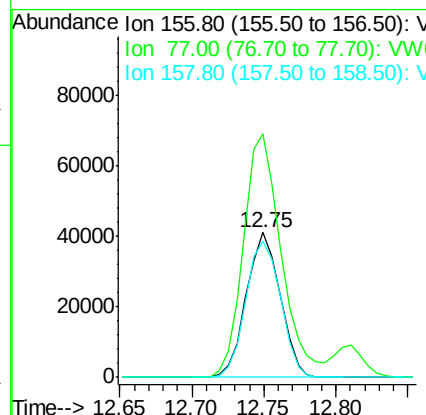
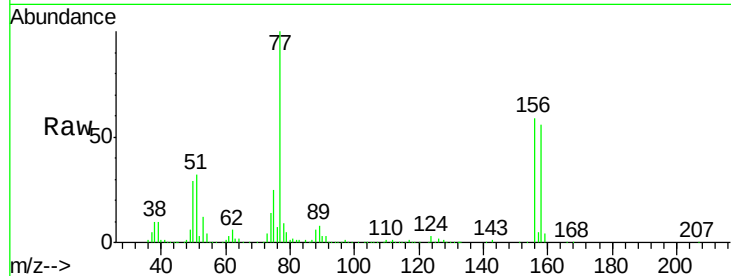
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	188.2	104.2	312.5
158	97.0	47.9	143.6

Manual Integrations
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#78

n-propylbenzene

Concen: 49.741 ug/l

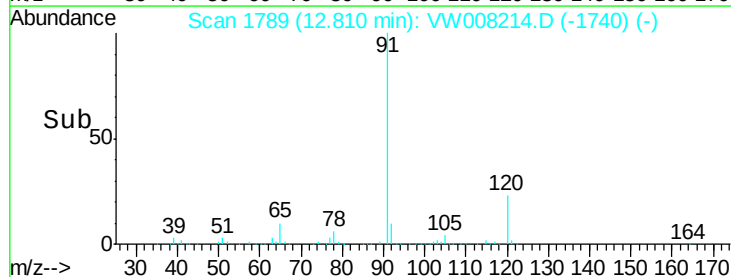
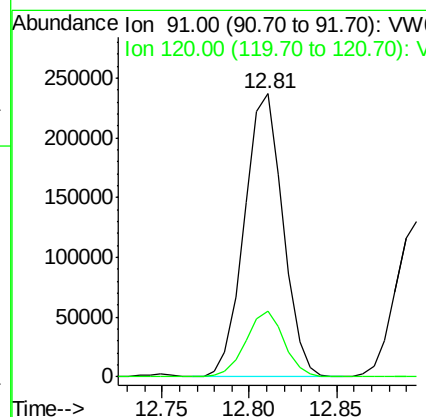
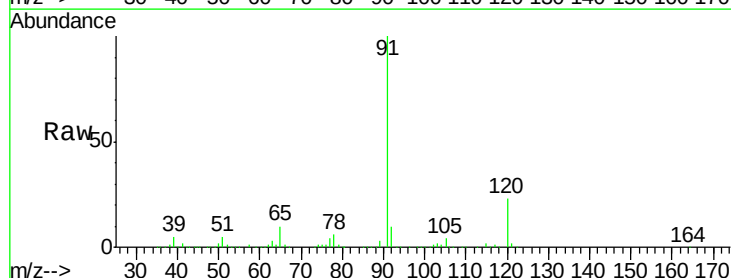
RT: 12.81 min Scan# 1789

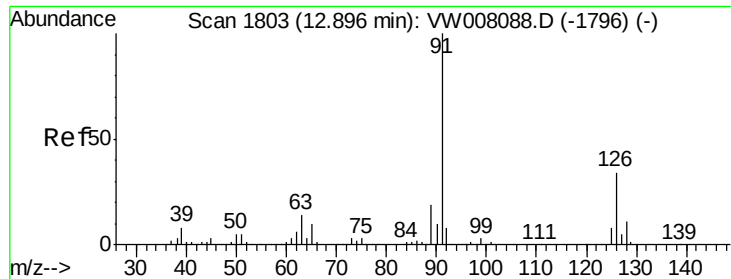
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.1	11.3	33.8





#79

2-Chlorotoluene

Concen: 50.153 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 203718

Ion Ratio Lower Upper

91 100

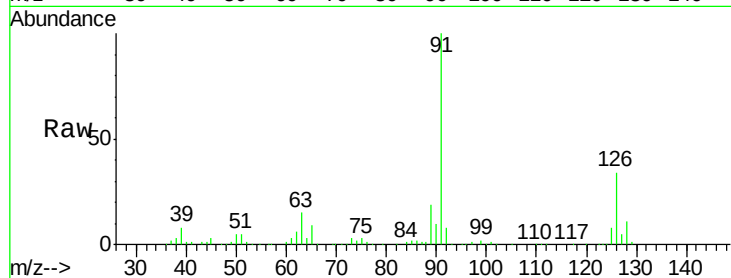
126 34.6 16.8 50.3

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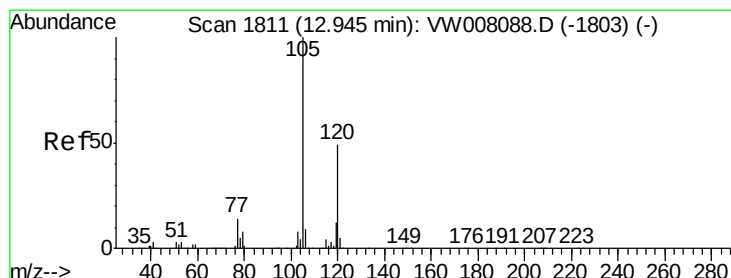
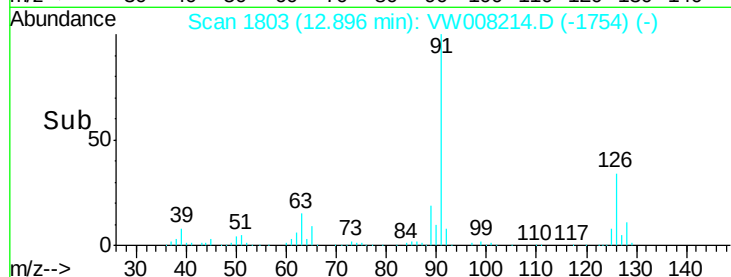
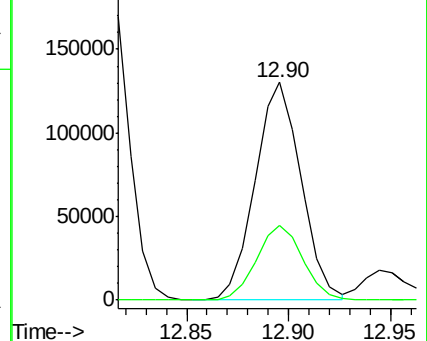
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 51.759 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW008214.D

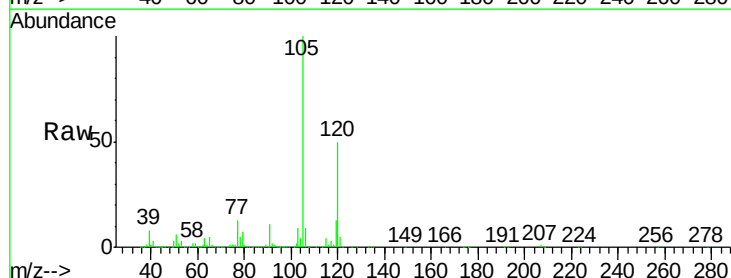
Acq: 12 Jan 2019 01:25

Tgt Ion:105 Resp: 252731

Ion Ratio Lower Upper

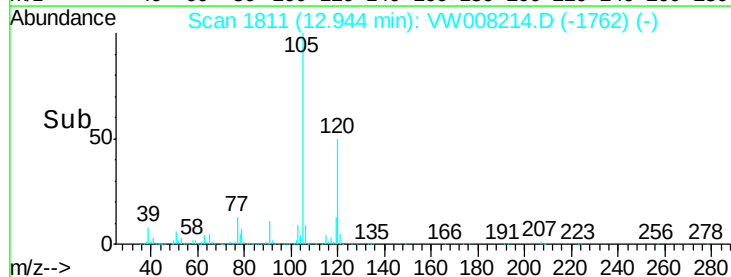
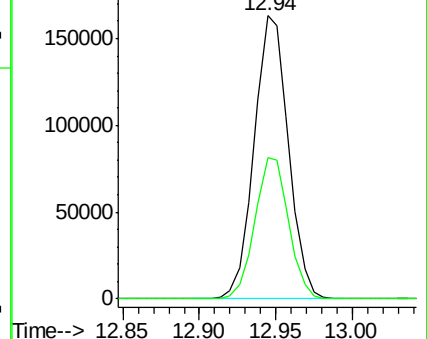
105 100

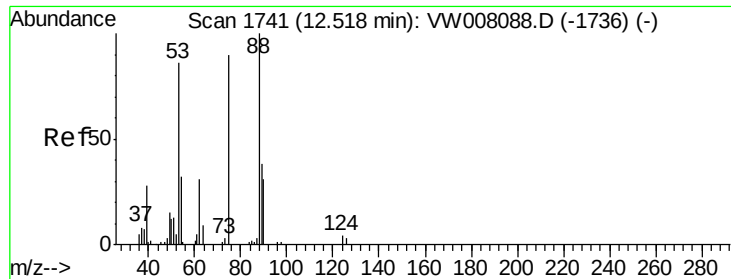
120 49.5 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





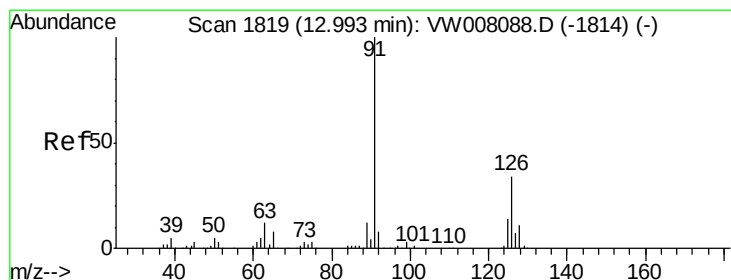
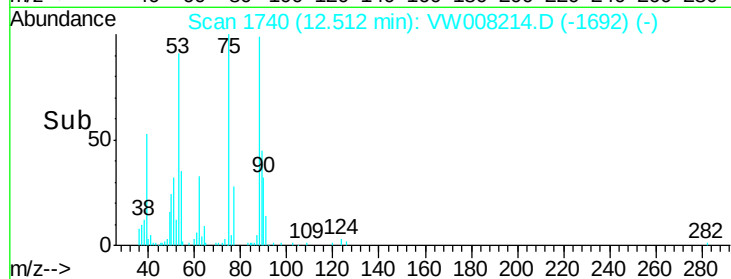
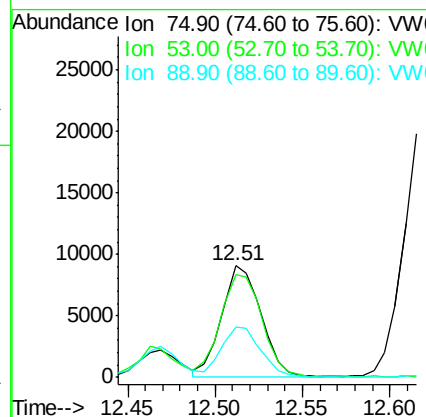
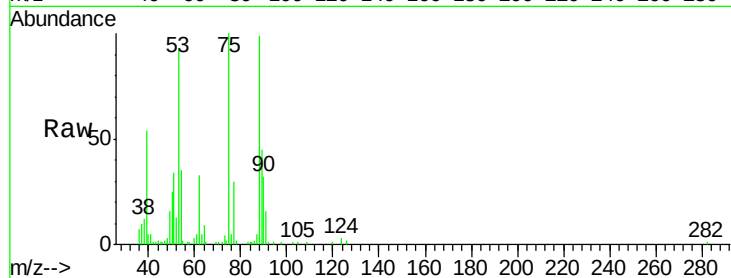
#81
trans-1,4-Dichloro-2-butene
Concen: 47.370 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.01 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	97.4	78.8	118.2
89	44.8	35.4	53.2

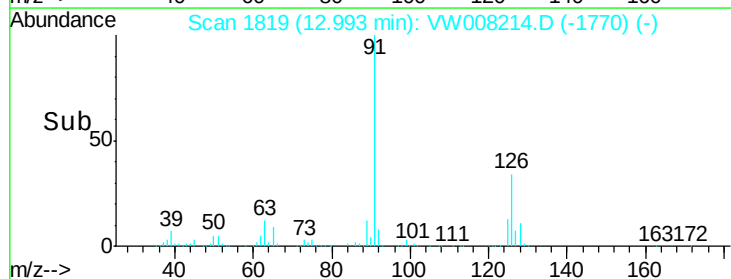
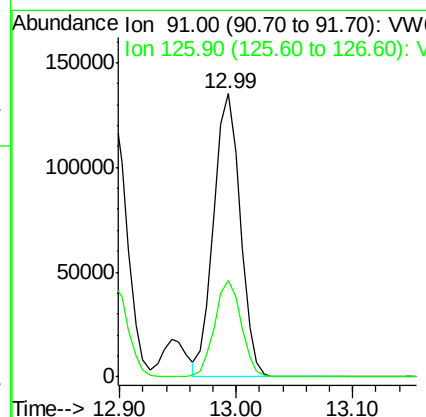
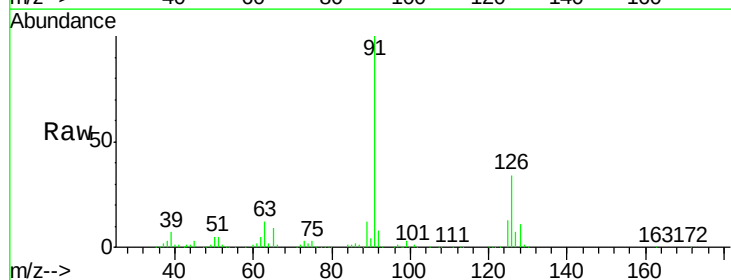
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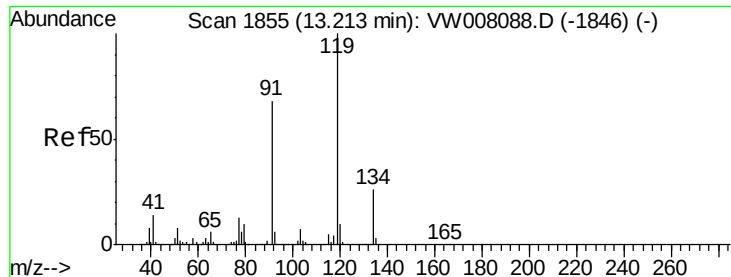
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#82
4-Chlorotoluene
Concen: 49.830 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.1	16.5	49.5





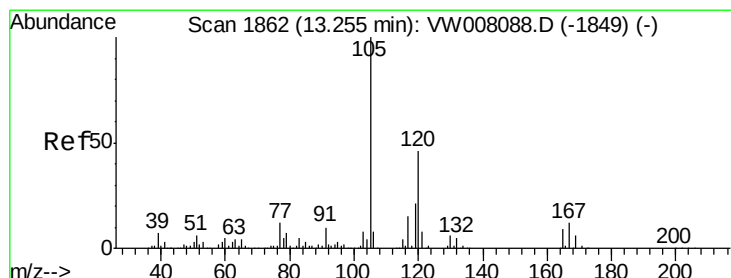
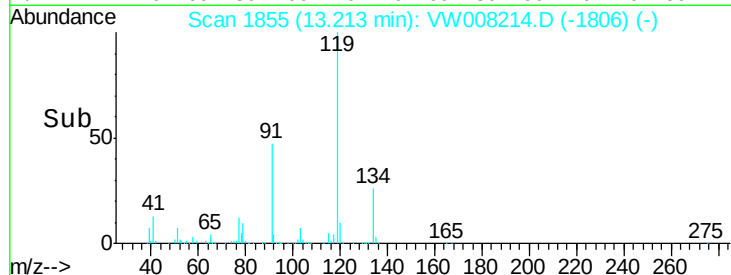
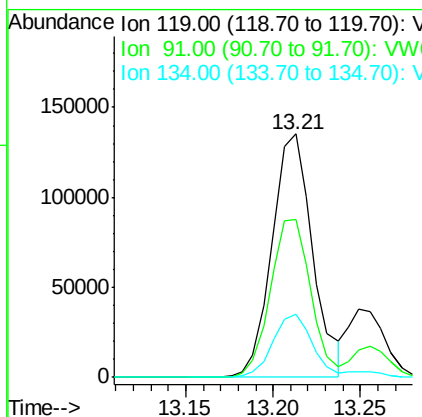
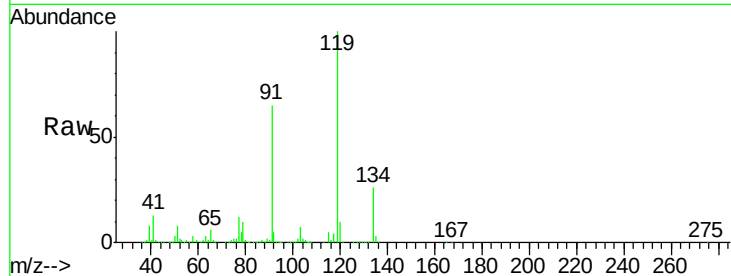
#83
 tert-Butylbenzene
 Concen: 50.832 ug/l
 RT: 13.21 min Scan# 1855
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	33.9	101.6
134	27.1	13.6	40.8

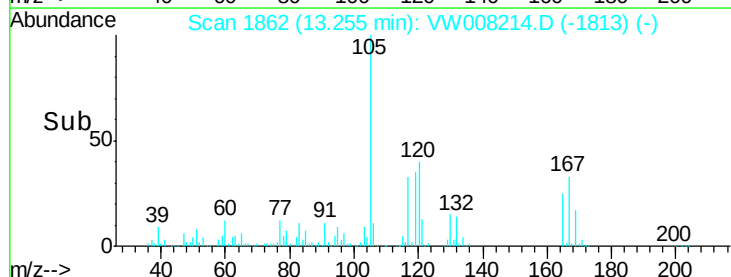
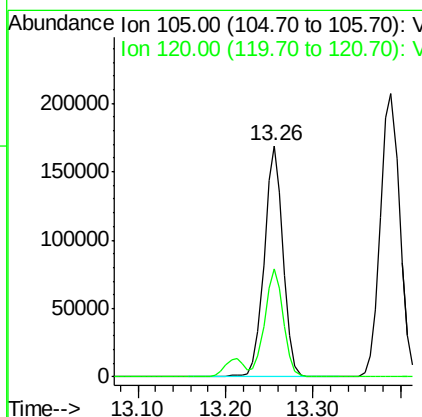
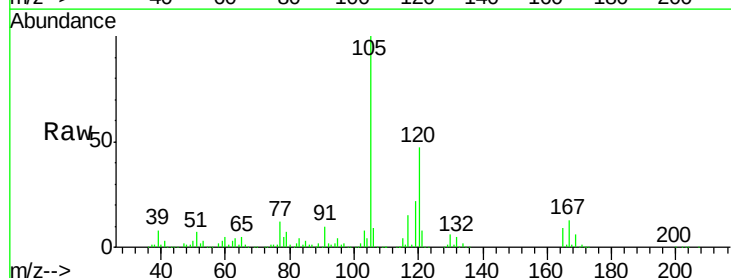
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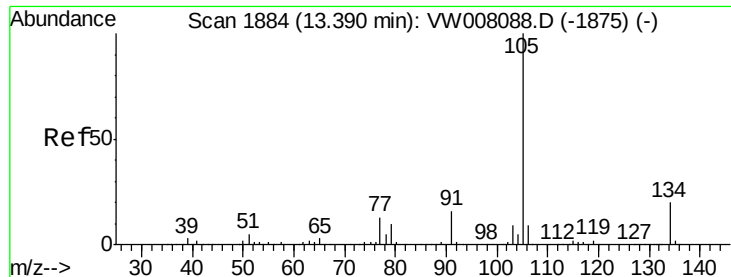
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#84
 1,2,4-Trimethylbenzene
 Concen: 50.529 ug/l
 RT: 13.26 min Scan# 1862
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	22.7	68.1





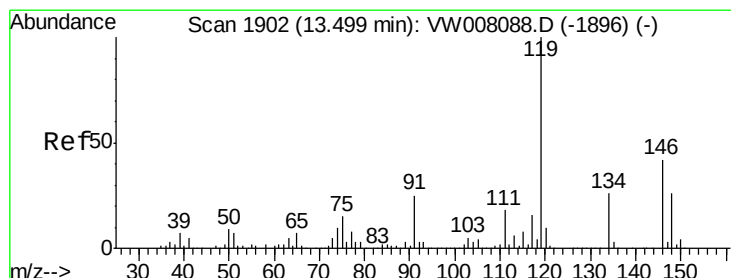
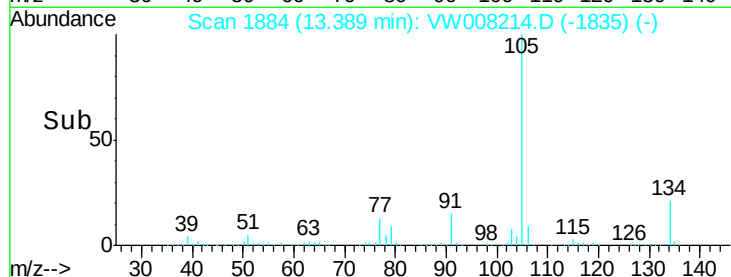
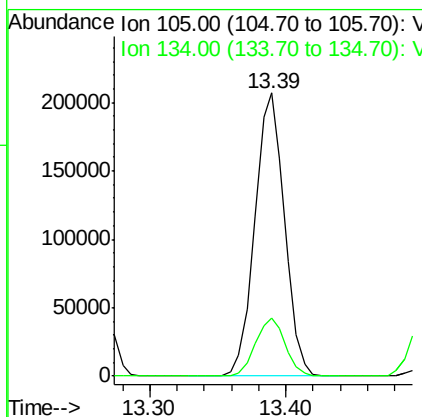
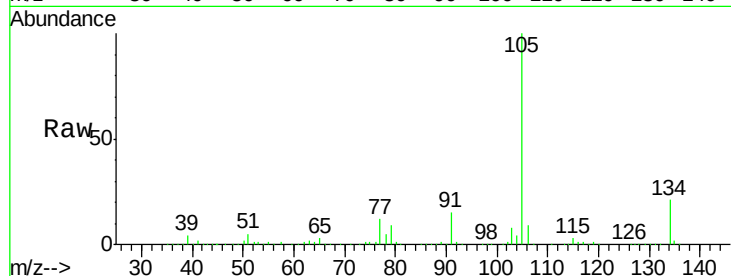
#85
 sec-Butylbenzene
 Concen: 49.951 ug/l
 RT: 13.39 min Scan# 1884
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.1	30.1

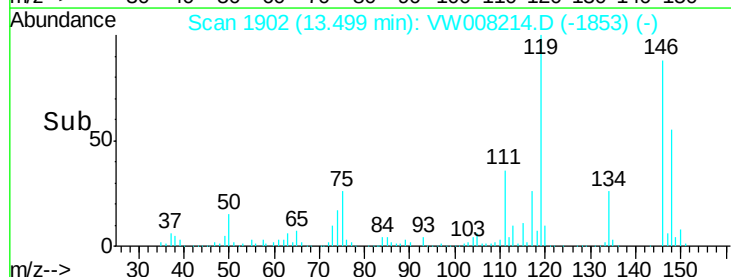
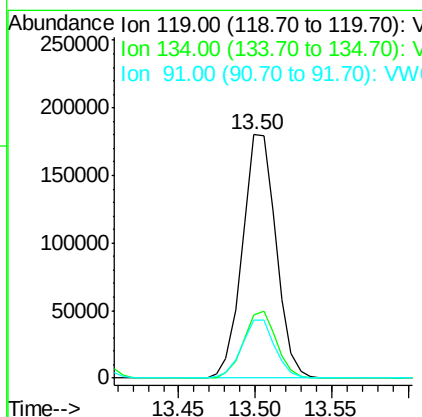
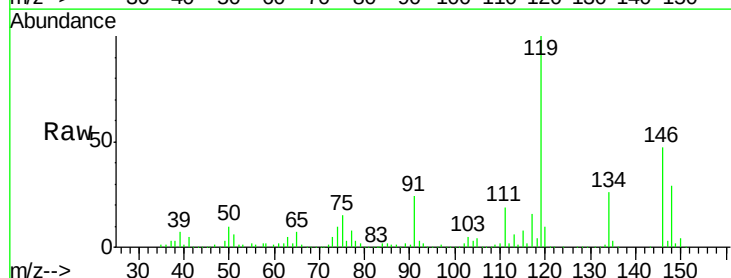
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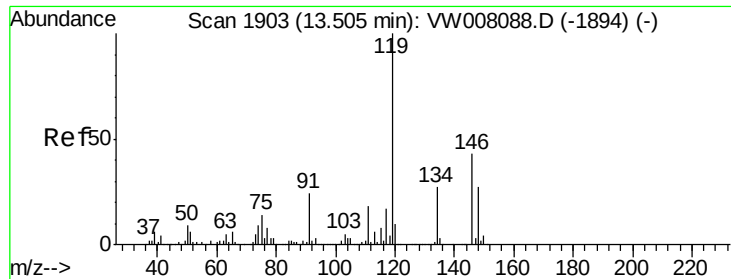
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#86
 p-Isopropyltoluene
 Concen: 50.222 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.3	39.8
91	23.4	12.3	36.9





#87

1,3-Dichlorobenzene

Concen: 53.847 ug/l

RT: 13.51 min Scan# 1903

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

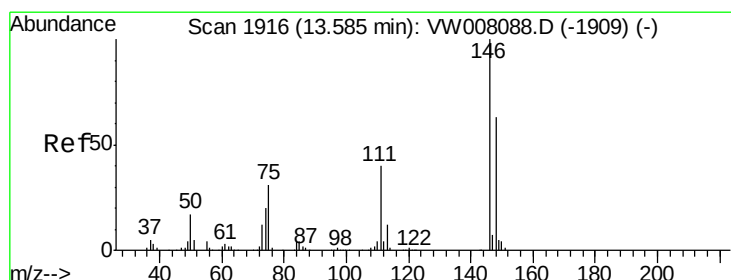
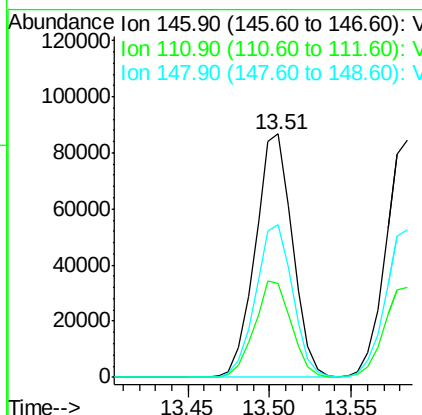
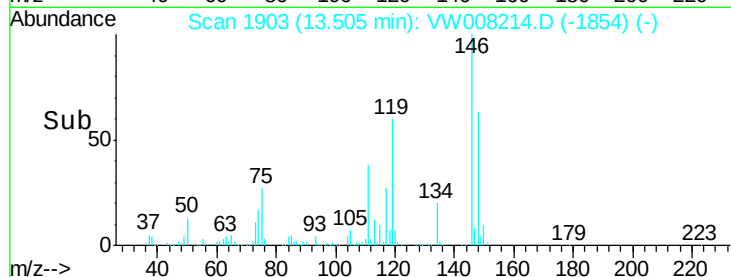
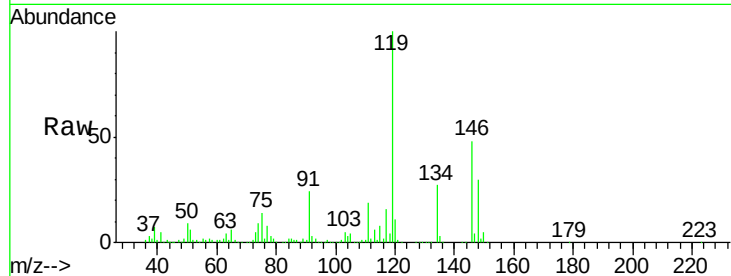
Instrument :
MSVOA_W

ClientSampled :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	21.1	63.1
148	62.7	31.3	93.9

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 52.510 ug/l

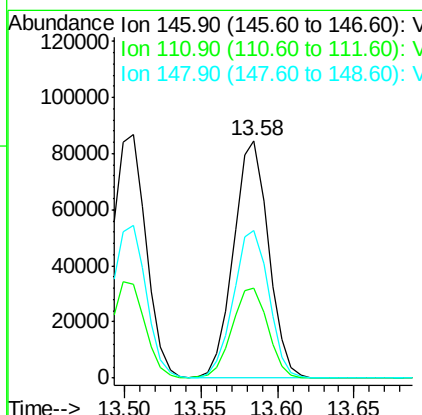
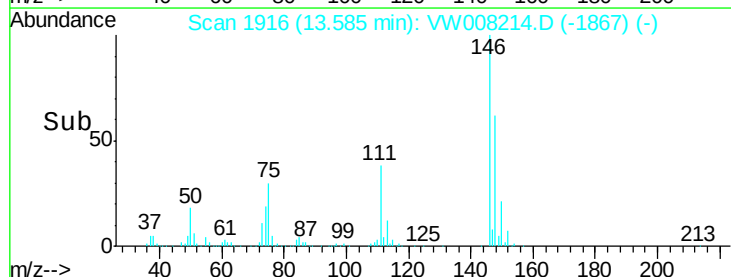
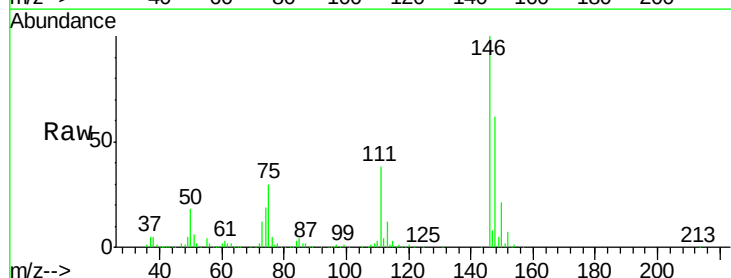
RT: 13.58 min Scan# 1916

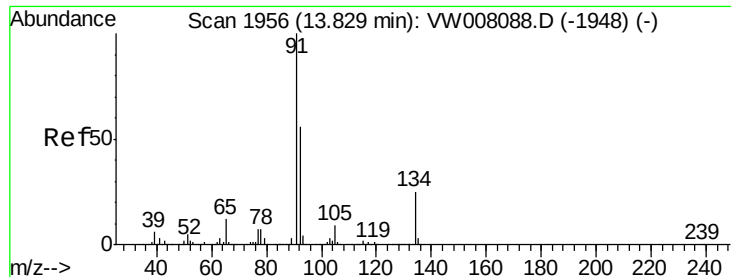
Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	20.5	61.5
148	63.3	31.6	94.8





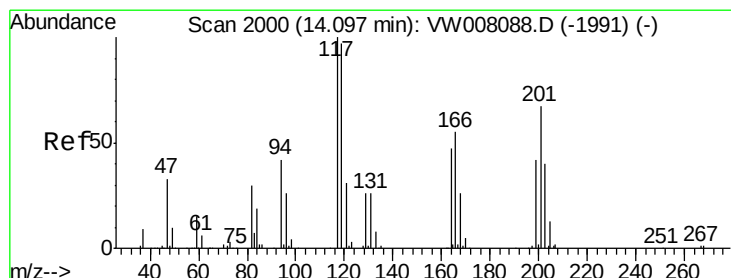
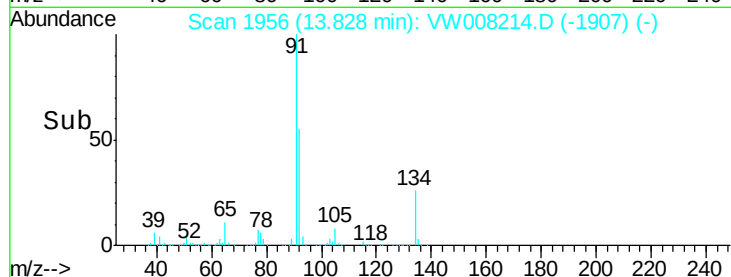
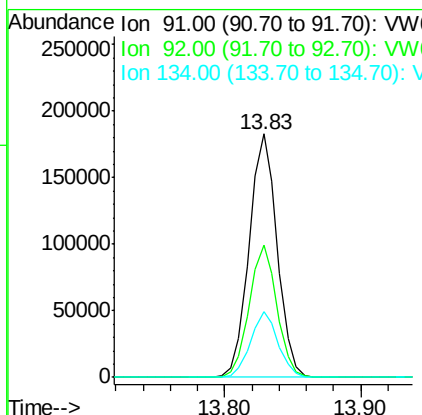
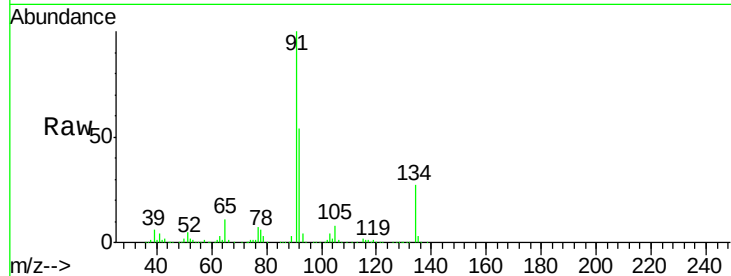
#89
n-Butylbenzene
Concen: 49.194 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Instrument :
MSVOA_W
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.4	82.2
134	26.4	12.6	37.8

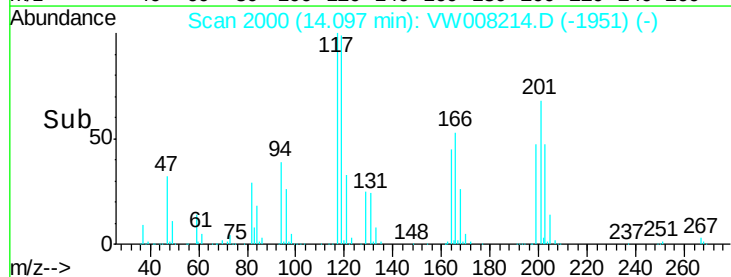
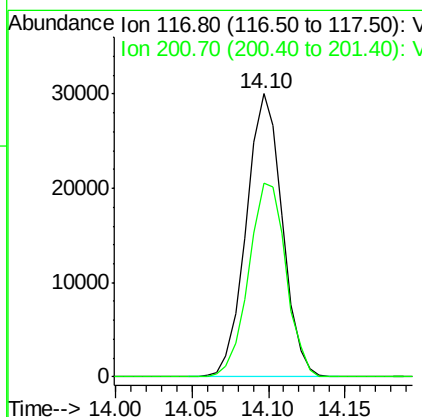
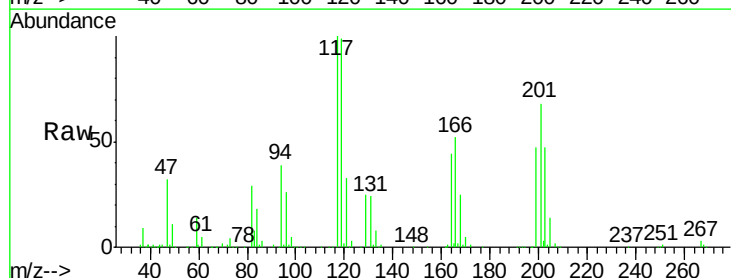
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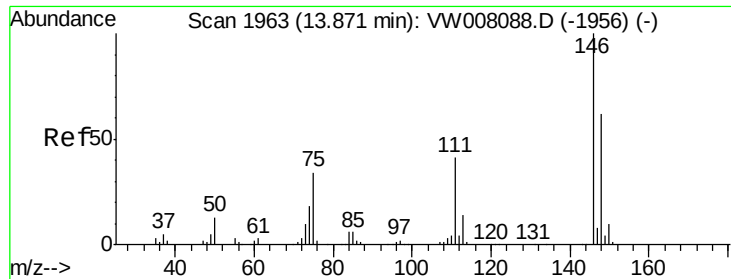
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#90
Hexachloroethane
Concen: 53.270 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW008214.D
Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
117	100		
201	70.8	33.0	98.9





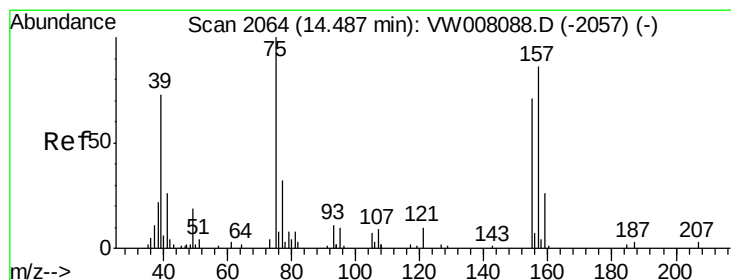
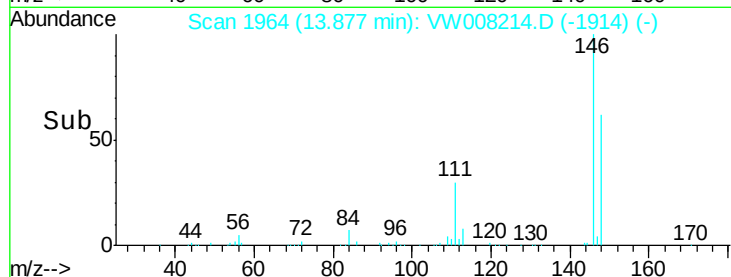
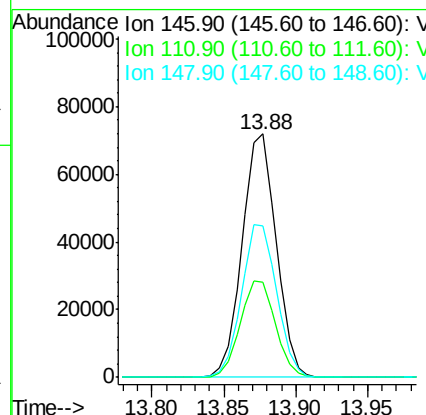
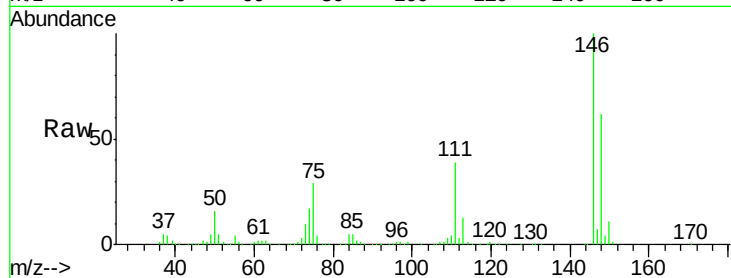
#91
 1,2-Dichlorobenzene
 Concen: 52.758 ug/l
 RT: 13.88 min Scan# 1964
 Delta R.T. 0.01 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.3	63.7
148	64.4	31.5	94.5

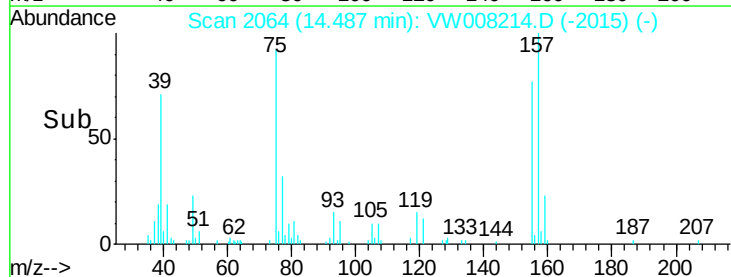
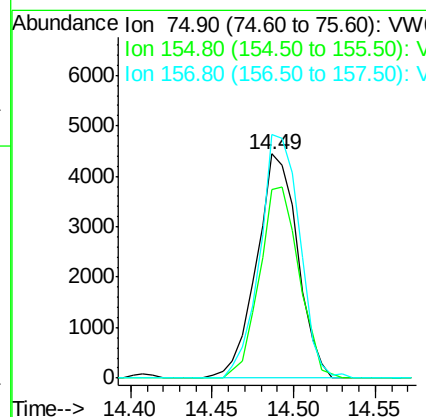
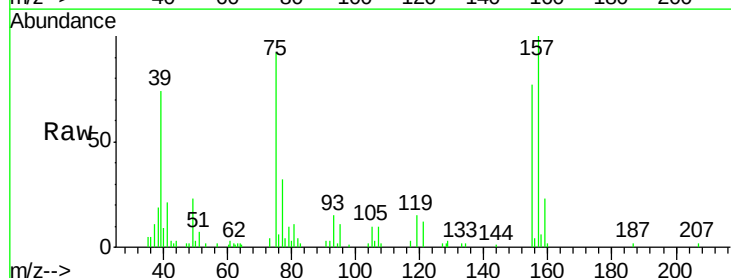
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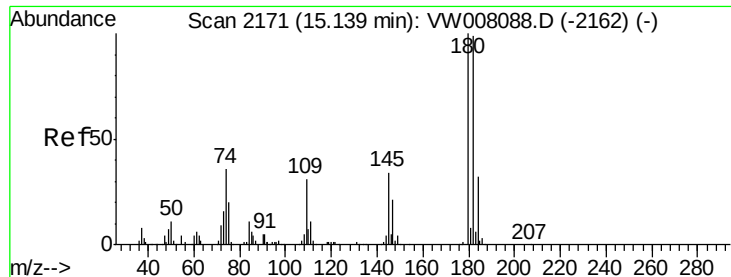
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.541 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.4	38.6	115.7
157	105.6	47.5	142.6





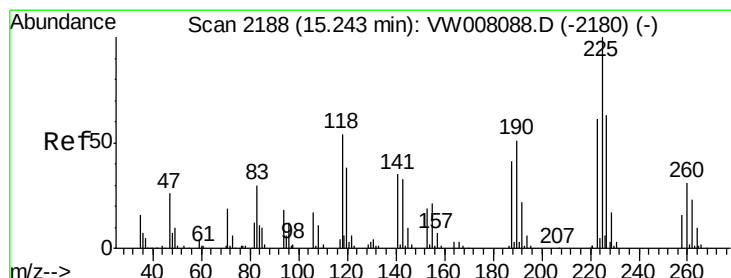
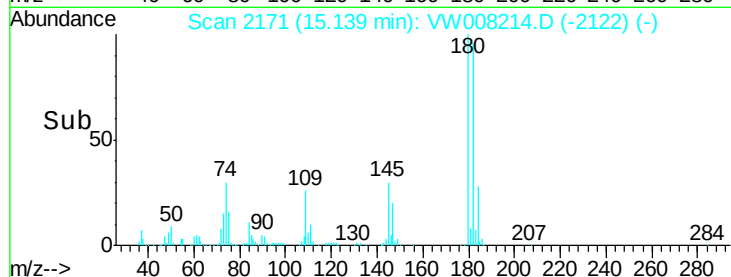
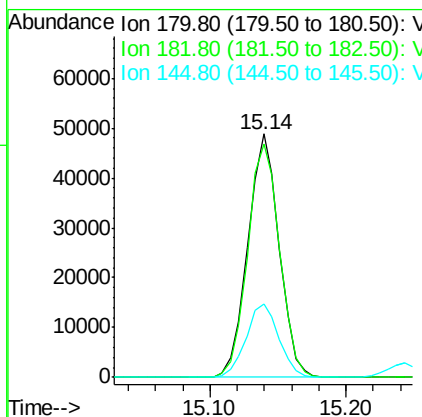
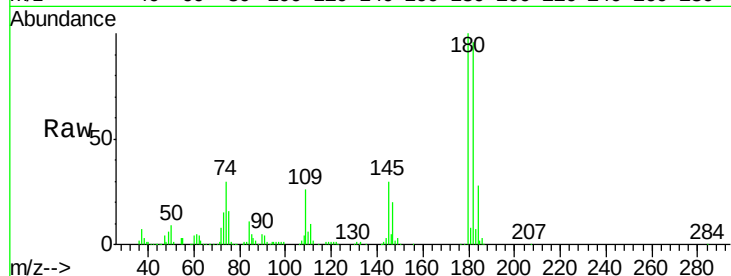
#93
 1,2,4-Trichlorobenzene
 Concen: 52.985 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	78739		
182	97.6	48.6	145.9	
145	31.8	16.6	49.7	

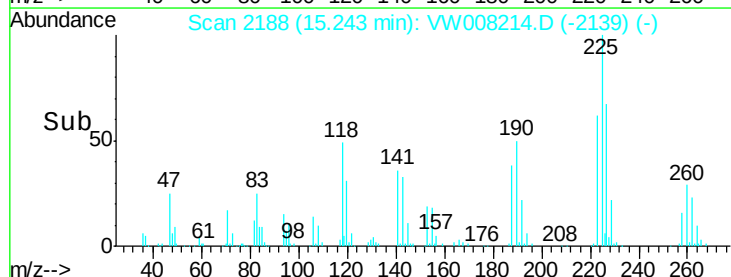
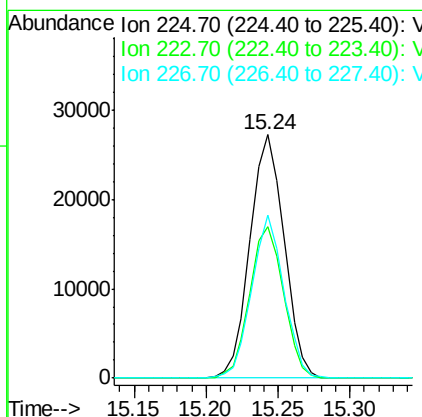
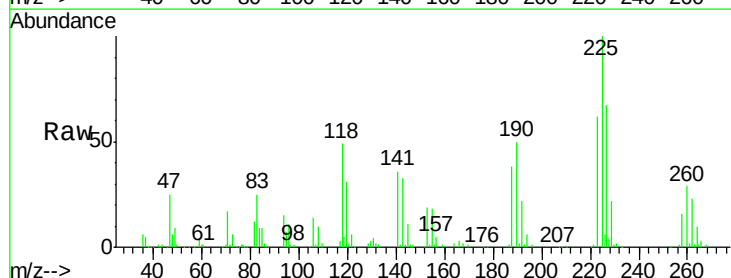
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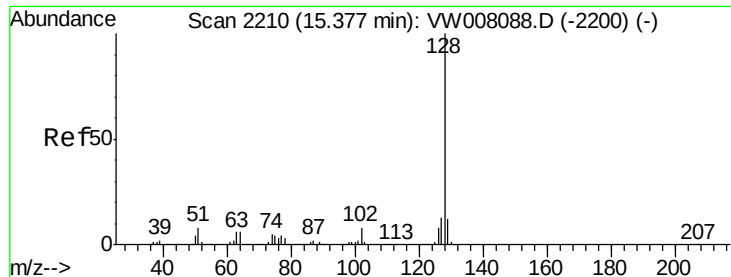
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#94
 Hexachlorobutadiene
 Concen: 56.257 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. -0.00 min
 Lab File: VW008214.D
 Acq: 12 Jan 2019 01:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	44747		
223	61.6	31.4	94.3	
227	63.0	32.0	96.2	





#95

Naphthalene

Concen: 53.312 ug/l

RT: 15.38 min Scan# 2210

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Instrument :

MSVOA_W

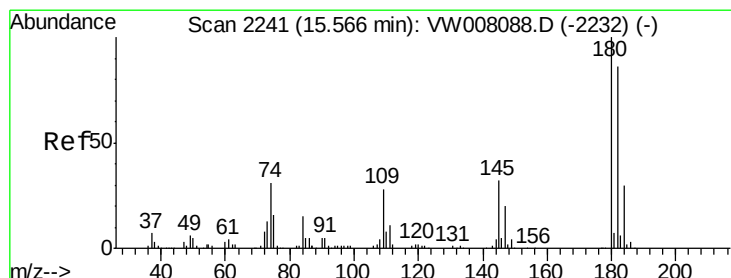
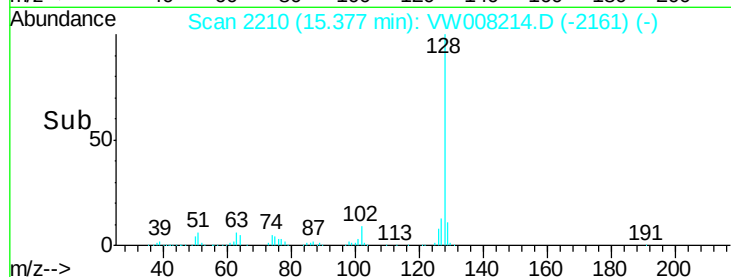
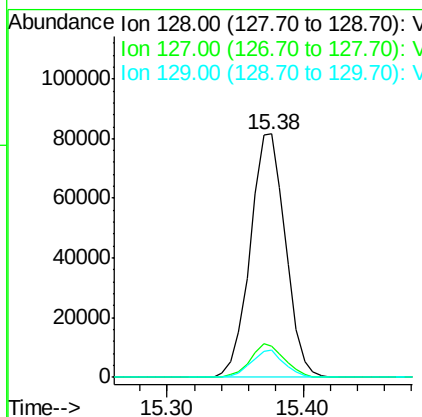
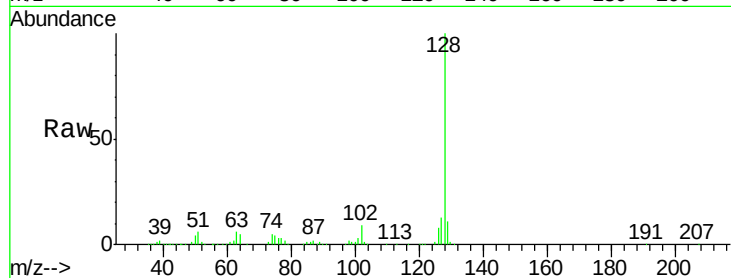
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	147931
Ion Ratio	Lower	Upper	
128	100		
127	13.5	11.0	16.4
129	10.7	9.0	13.6

Manual Integrations
APPROVED

apatel
1/14/2019 2:42:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 53.874 ug/l

RT: 15.57 min Scan# 2241

Delta R.T. -0.00 min

Lab File: VW008214.D

Acq: 12 Jan 2019 01:25

Tgt Ion:	180	Resp:	68249
Ion Ratio	Lower	Upper	
180	100		
182	96.7	46.5	139.3
145	33.8	17.4	52.2

