

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD110119\
 Data File : VD064152.D
 Acq On : 01 Nov 2019 17:57
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 11/4/2019 11:51:07 AM

Quant Time: Nov 01 17:30:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D102919S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 30 08:00:10 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	221957	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	337018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	339187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	190247	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	86875	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	
35) Dibromofluoromethane	7.93	113	98290	47.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.80%	
50) Toluene-d8	10.34	98	393710	47.48	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.96%	
62) 4-Bromofluorobenzene	12.63	95	134990	49.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.20%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	103994	45.884	ug/l	100
3) Chloromethane	2.21	50	171354	45.314	ug/l	98
4) Vinyl Chloride	2.35	62	191661	46.738	ug/l	96
5) Bromomethane	2.77	94	130783	48.937	ug/l	97
6) Chloroethane	2.93	64	124771	48.987	ug/l	95
7) Trichlorofluoromethane	3.28	101	266198	47.155	ug/l	96
8) Diethyl Ether	3.71	74	46980	47.878	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.08	101	97237	47.797	ug/l	99
10) Methyl Iodide	4.30	142	130553	51.797	ug/l	100
11) Tert butyl alcohol	5.24	59	22681	223.957	ug/l #	71
12) 1,1-Dichloroethene	4.07	96	93361	48.490	ug/l	90
13) Acrolein	3.93	56	18743	166.523	ug/l	94
14) Allyl chloride	4.71	41	113638	50.427	ug/l	98
15) Acrylonitrile	5.43	53	87800	242.235	ug/l	98
16) Acetone	4.17	43	88779	264.325	ug/l	92
17) Carbon Disulfide	4.40	76	289978	49.010	ug/l	96
18) Methyl Acetate	4.72	43	42454	47.519	ug/l	96
19) Methyl tert-butyl Ether	5.49	73	195488	50.036	ug/l	97
20) Methylene Chloride	4.96	84	118539	55.715	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	111460	51.570	ug/l	93
22) Diisopropyl ether	6.37	45	259644	52.024	ug/l	98
23) Vinyl Acetate	6.31	43	721657	263.792	ug/l	100
24) 1,1-Dichloroethane	6.27	63	167549	49.715	ug/l	99
25) 2-Butanone	7.23	43	114738	247.105	ug/l	95
26) 2,2-Dichloropropane	7.21	77	153975	48.137	ug/l	96
27) cis-1,2-Dichloroethene	7.21	96	124672	51.550	ug/l	97
28) Bromochloromethane	7.55	49	65672	49.991	ug/l	95
29) Tetrahydrofuran	7.57	42	71502	263.854	ug/l	98
30) Chloroform	7.71	83	195341	50.653	ug/l	98
31) Cyclohexane	7.98	56	146855	44.727	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	178281	49.663	ug/l	99
36) 1,1-Dichloropropene	8.11	75	150848	47.767	ug/l	99
37) Ethyl Acetate	7.30	43	48402	49.795	ug/l #	94
38) Carbon Tetrachloride	8.10	117	171383	49.741	ug/l	94

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	186263	48.048	ug/l	96
40) Benzene	8.36	78	430024	49.935	ug/l	99
41) Methacrylonitrile	7.53	41	17826	31.778	ug/l #	53
42) 1,2-Dichloroethane	8.43	62	116702	51.303	ug/l	100
43) Isopropyl Acetate	8.46	43	96257	49.000	ug/l	98
44) Trichloroethene	9.11	130	131422	50.351	ug/l	93
45) 1,2-Dichloropropane	9.39	63	99828	50.020	ug/l	99
46) Dibromomethane	9.48	93	59522	49.520	ug/l	99
47) Bromodichloromethane	9.67	83	151679	50.021	ug/l	98
48) Methyl methacrylate	9.46	41	45348	49.920	ug/l	95
49) 1,4-Dioxane	9.47	88	14877	1081.287	ug/l #	94
51) 4-Methyl-2-Pentanone	10.24	43	259795	242.930	ug/l	98
52) Toluene	10.41	92	306333	50.759	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	145178	51.290	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	170565	51.218	ug/l	100
55) 1,1,2-Trichloroethane	10.80	97	82023	48.131	ug/l	97
56) Ethyl methacrylate	10.67	69	98719	47.802	ug/l	97
57) 1,3-Dichloropropane	10.95	76	136784	48.533	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.95	63	193653	259.381	ug/l	98
59) 2-Hexanone	10.99	43	193688	231.728	ug/l	98
60) Dibromochloromethane	11.14	129	116601	50.411	ug/l	100
61) 1,2-Dibromoethane	11.25	107	85074	49.914	ug/l	95
64) Tetrachloroethene	10.88	164	118572	48.660	ug/l	95
65) Chlorobenzene	11.67	112	359585	51.308	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	133208	50.796	ug/l	99
67) Ethyl Benzene	11.75	91	616577	49.463	ug/l	99
68) m/p-Xylenes	11.86	106	513048	102.324	ug/l	96
69) o-Xylene	12.18	106	236285	51.637	ug/l	99
70) Styrene	12.20	104	412755	52.301	ug/l	98
71) Bromoform	12.37	173	69928	49.929	ug/l #	99
73) Isopropylbenzene	12.48	105	637932	48.254	ug/l	99
74) N-amyl acetate	12.29	43	104049	47.375	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	95569	45.863	ug/l	100
76) 1,2,3-Trichloropropane	12.78	75	68040m	53.225	ug/l	
77) Bromobenzene	12.77	156	158620	49.694	ug/l	98
78) n-propylbenzene	12.83	91	756228	48.812	ug/l	100
79) 2-Chlorotoluene	12.91	91	403019	48.528	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	548447	49.569	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	29230	46.697	ug/l	90
82) 4-Chlorotoluene	13.01	91	442113	49.821	ug/l	99
83) tert-Butylbenzene	13.23	119	489422	49.249	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	569564	51.244	ug/l	100
85) sec-Butylbenzene	13.41	105	672992	49.313	ug/l	99
86) p-Isopropyltoluene	13.52	119	651663	50.821	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	326771	51.085	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	314658	49.901	ug/l	98
89) n-Butylbenzene	13.85	91	589423	49.837	ug/l	98
90) Hexachloroethane	14.11	117	119899	49.943	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	278461	50.583	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14819	48.694	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	201382	50.892	ug/l	99
94) Hexachlorobutadiene	15.28	225	115728	50.040	ug/l	97
95) Naphthalene	15.41	128	324848	50.336	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	172208	50.243	ug/l	98

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

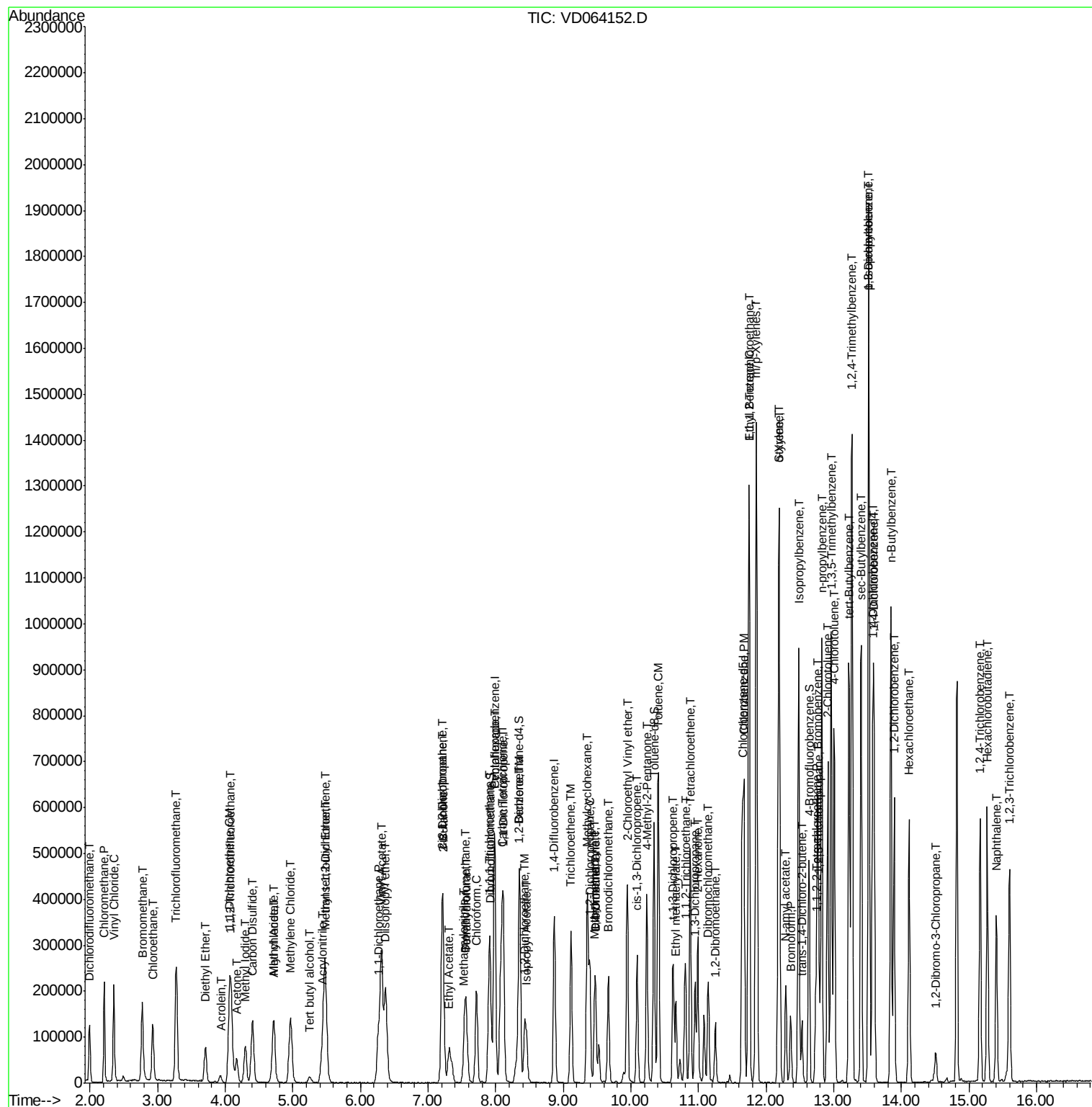
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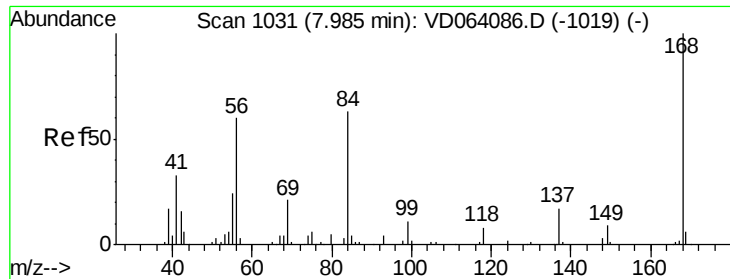
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 168 Resp: 221957

Ion Ratio Lower Upper

168 100

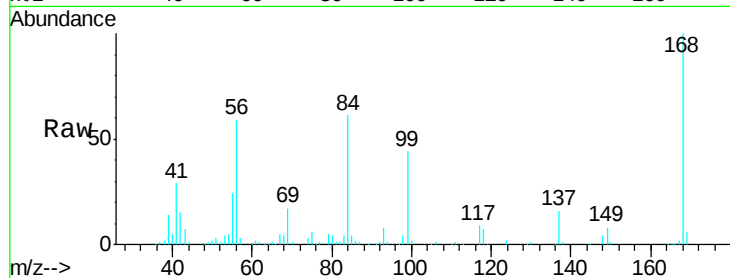
99 43.8 37.6 56.4

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

120000

100000

80000

60000

40000

20000

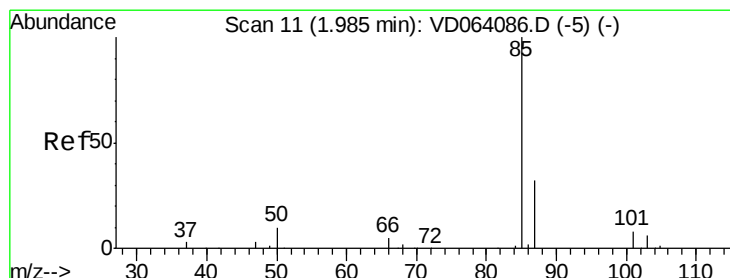
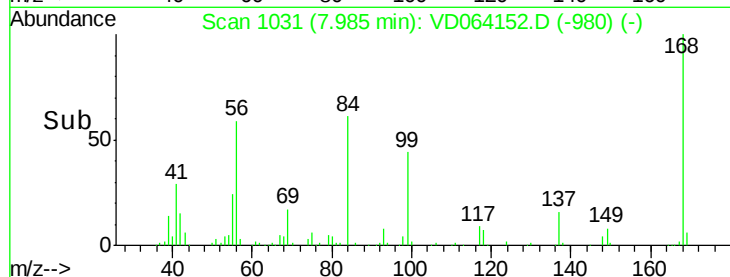
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 45.884 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD064152.D

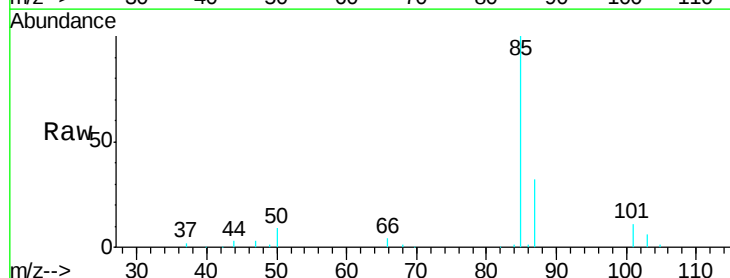
Acq: 01 Nov 2019 17:57

Tgt Ion: 85 Resp: 103994

Ion Ratio Lower Upper

85 100

87 32.1 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

80000

60000

40000

20000

0

1.90

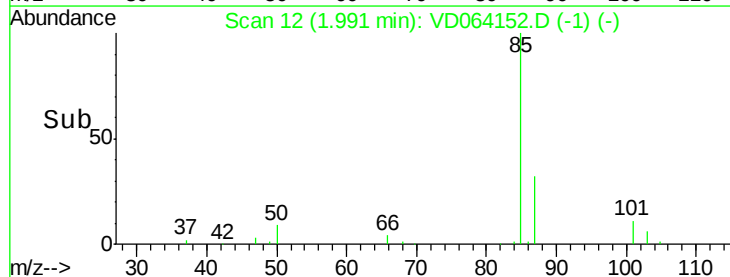
1.95

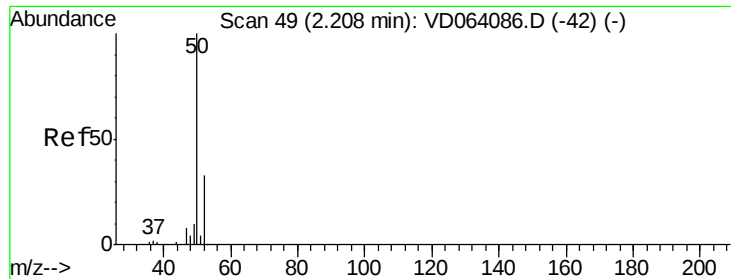
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 45.314 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 50 Resp: 171354

Ion Ratio Lower Upper

50 100

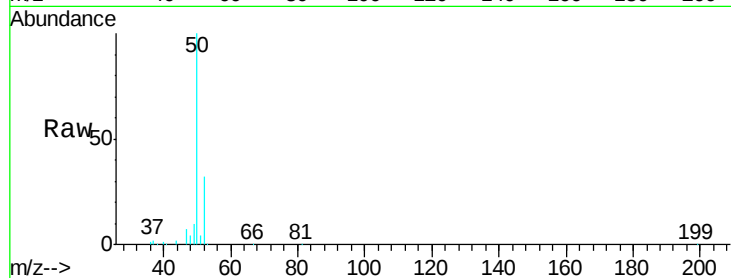
52 31.9 26.5 39.7

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

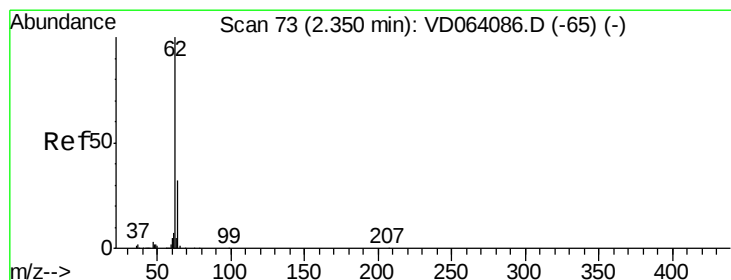
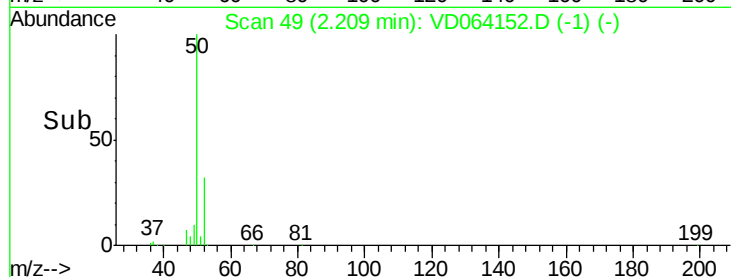
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 46.738 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD064152.D

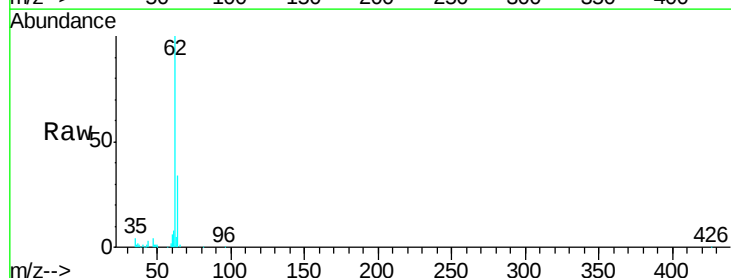
Acq: 01 Nov 2019 17:57

Tgt Ion: 62 Resp: 191661

Ion Ratio Lower Upper

62 100

64 34.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

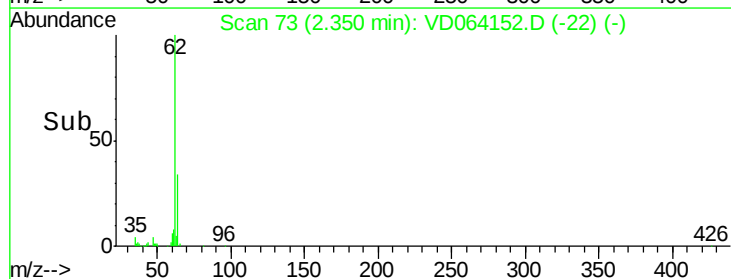
2.35

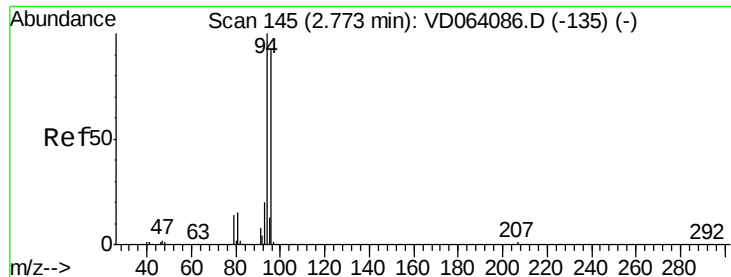
100000

50000

0

Time-->





#5

Bromomethane

Concen: 48.937 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 94 Resp: 130783

Ion Ratio Lower Upper

94 100

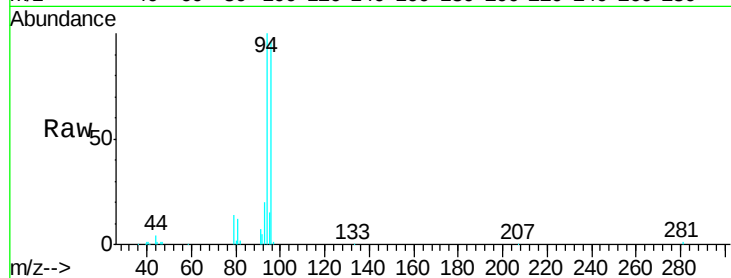
96 95.0 73.9 110.9

Manual Integrations

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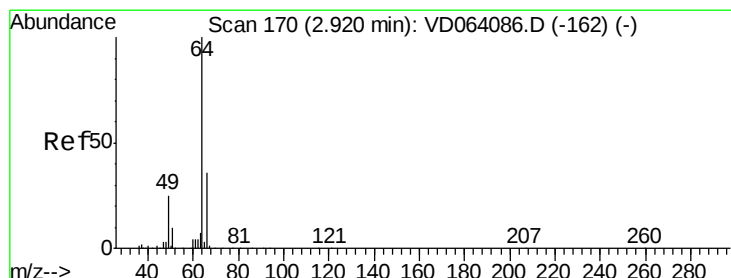
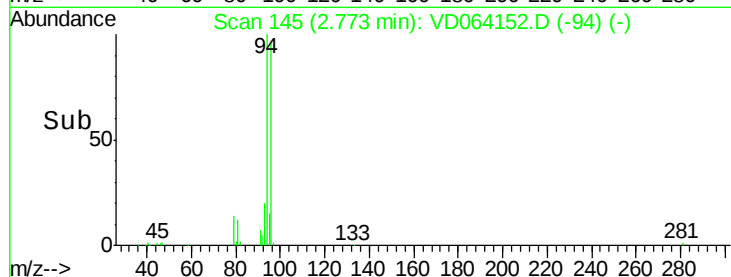
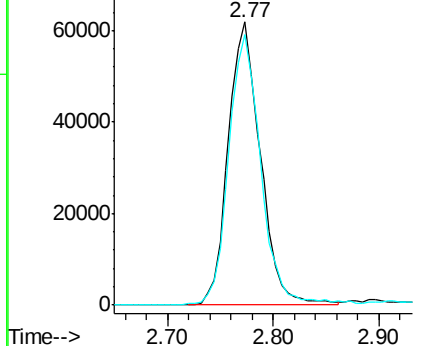
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 48.987 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD064152.D

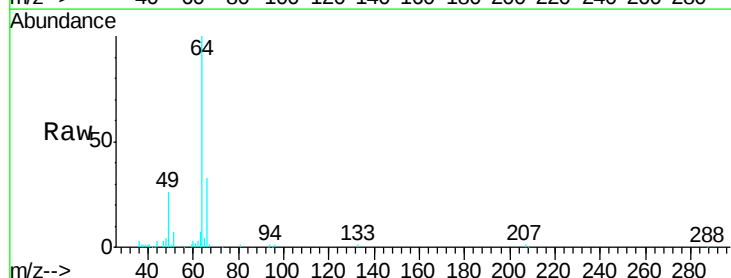
Acq: 01 Nov 2019 17:57

Tgt Ion: 64 Resp: 124771

Ion Ratio Lower Upper

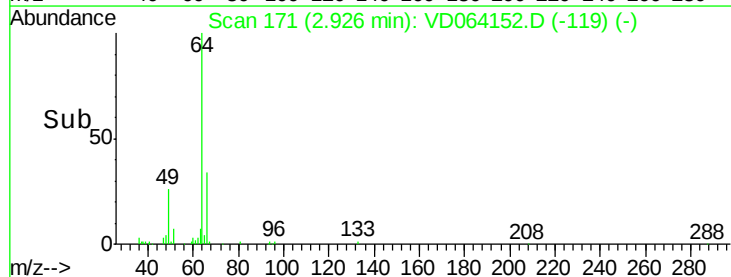
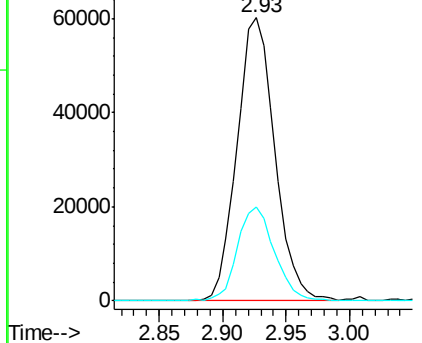
64 100

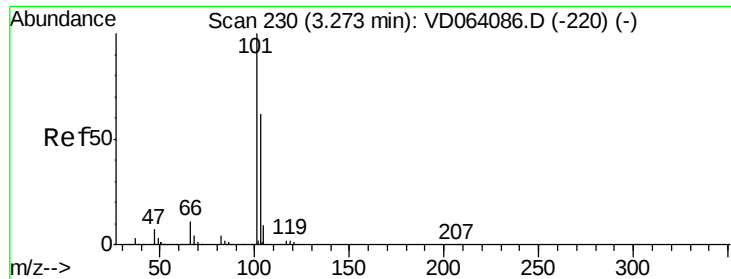
66 33.1 28.7 43.1



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

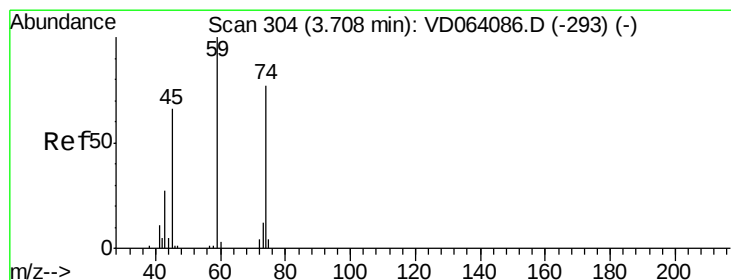
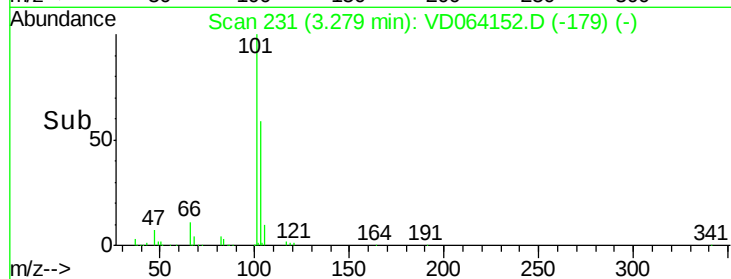
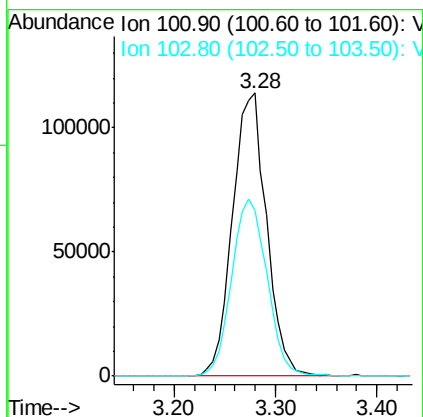
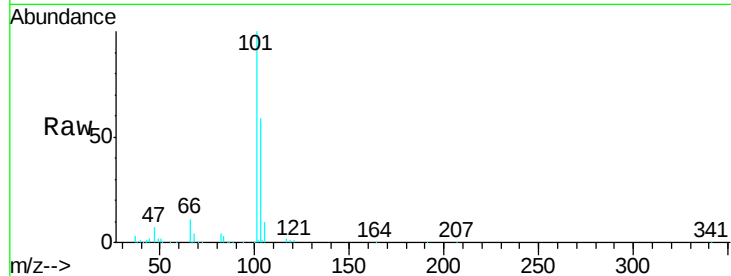
Trichlorofluoromethane
 Concen: 47.155 ug/l
 RT: 3.28 min Scan# 231
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

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Tgt Ion	Ratio	Resp	Lower	Upper
101	100	266198		
103	58.7	49.6	74.4	

Manual Integrations
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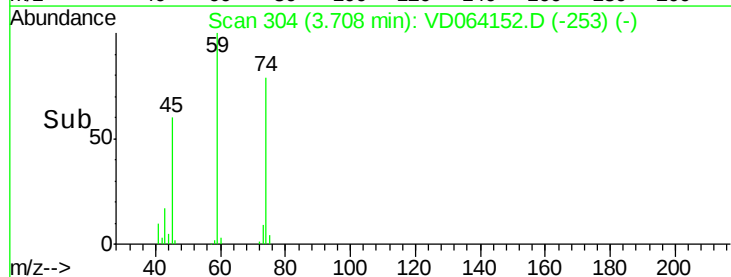
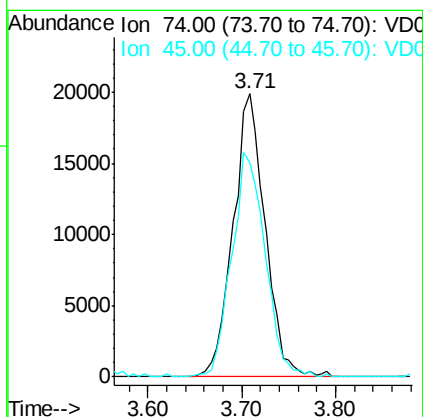
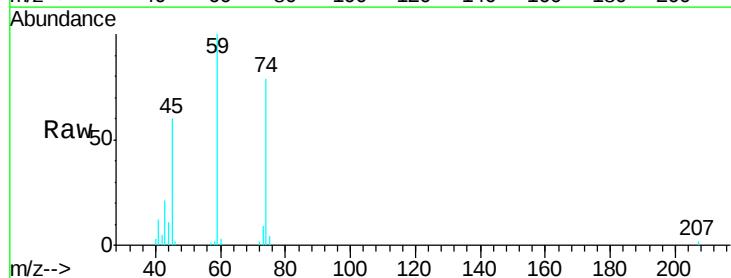
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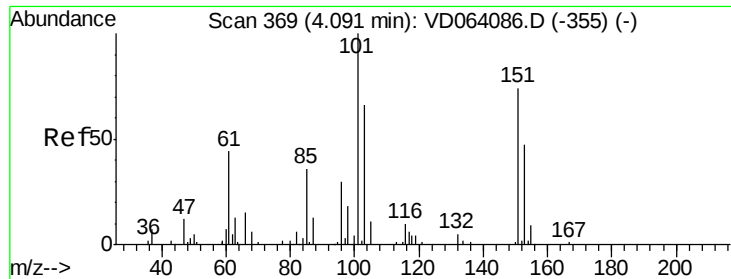


#8

Diethyl Ether
 Concen: 47.878 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	46980		
45	82.8	44.1	132.3	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.797 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

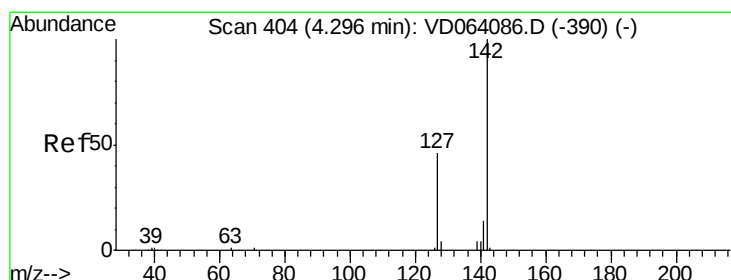
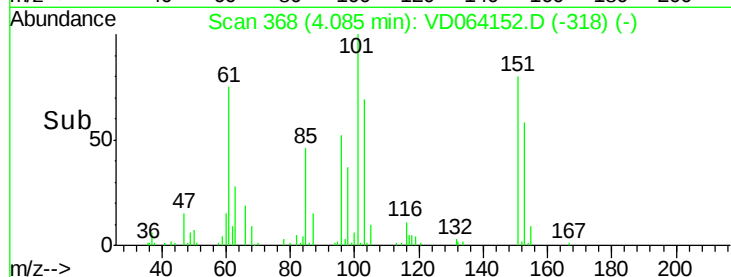
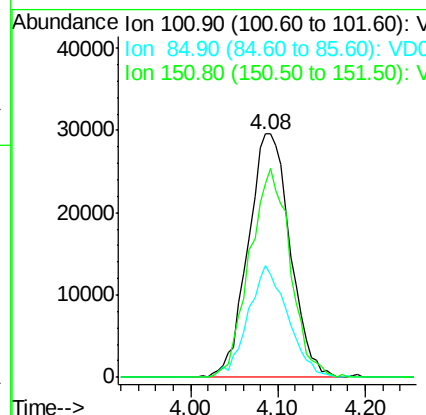
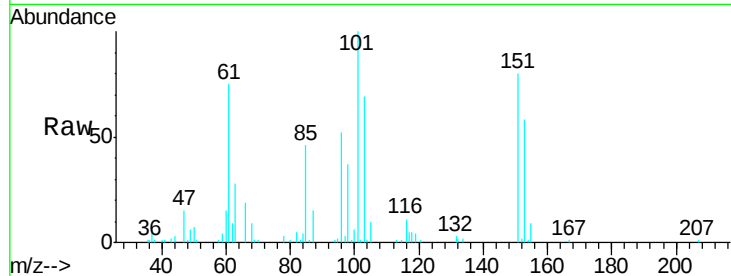
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	101	Resp:	97237
Ion Ratio	Lower	Upper	
101	100		
85	43.5	35.3	52.9
151	83.2	67.0	100.6

Manual Integrations
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#10

Methyl Iodide

Concen: 51.797 ug/l

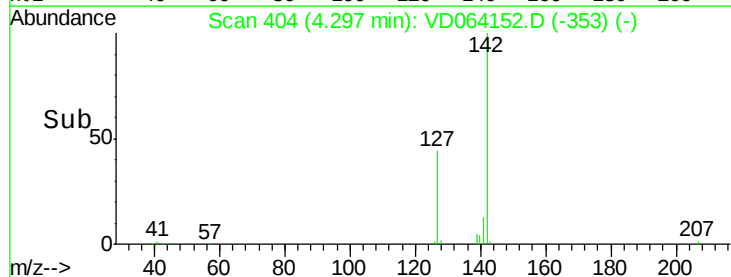
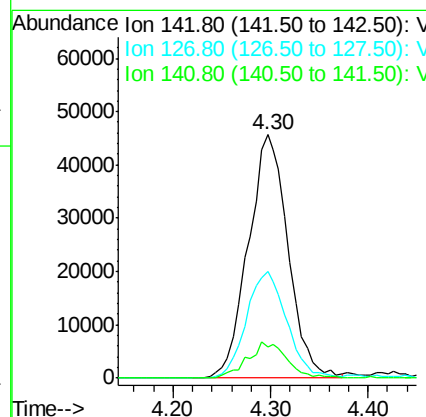
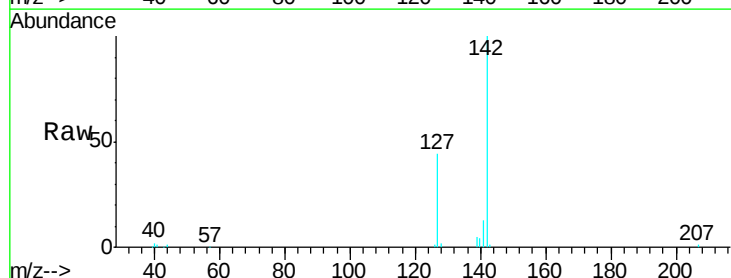
RT: 4.30 min Scan# 404

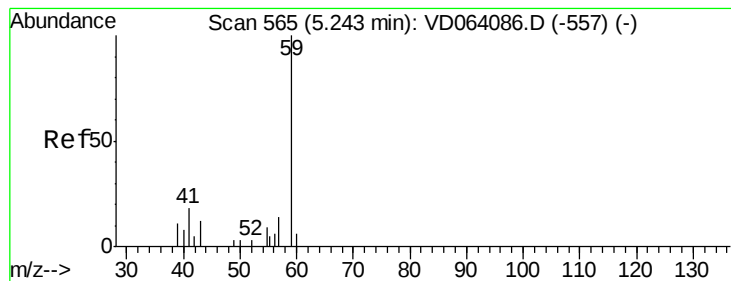
Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion:	142	Resp:	130553
Ion Ratio	Lower	Upper	
142	100		
127	44.2	35.1	52.7
141	14.6	11.6	17.4





#11

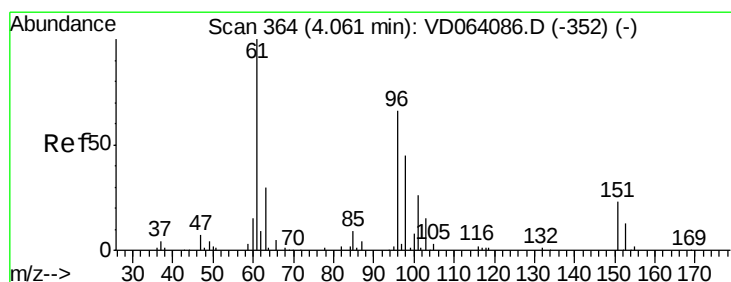
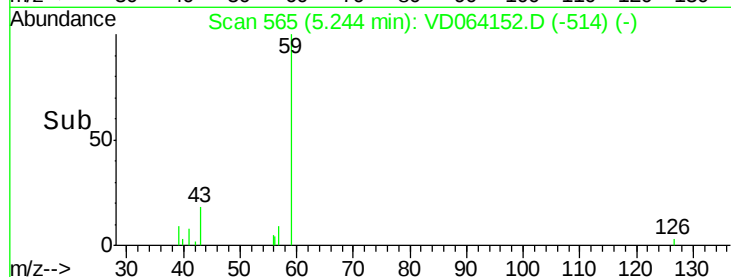
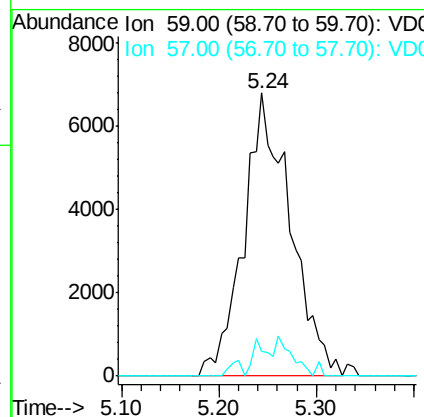
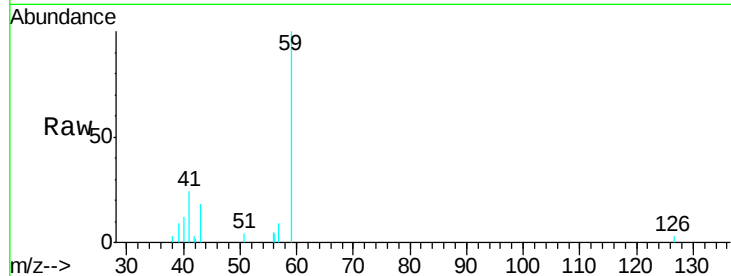
Tert butyl alcohol
Concen: 223.957 ug/l
RT: 5.24 min Scan# 565
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.7	13.1#

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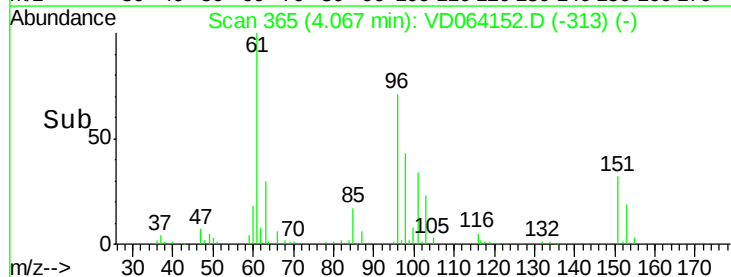
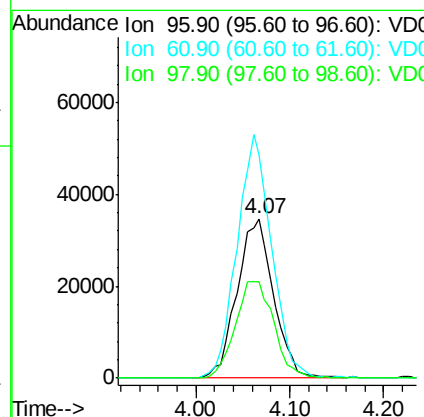
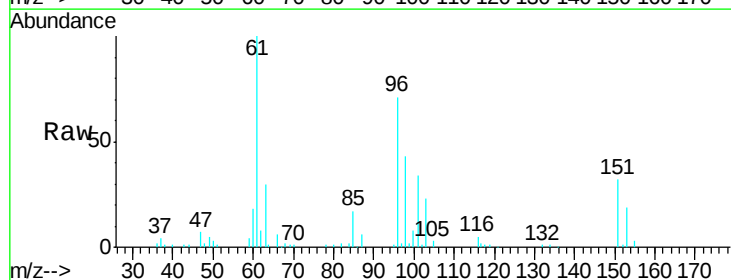
MMDadoda
11/4/2019 11:51:07 AM

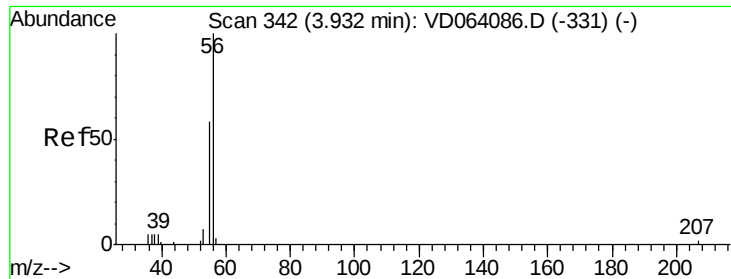


#12

1,1-Dichloroethene
Concen: 48.490 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	121.8	182.6
98	60.6	55.4	83.0





#13

Acrolein

Concen: 166.523 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 56 Resp: 18743

Ion Ratio Lower Upper

56 100

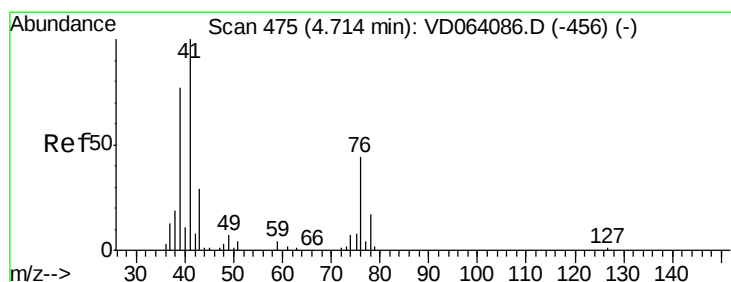
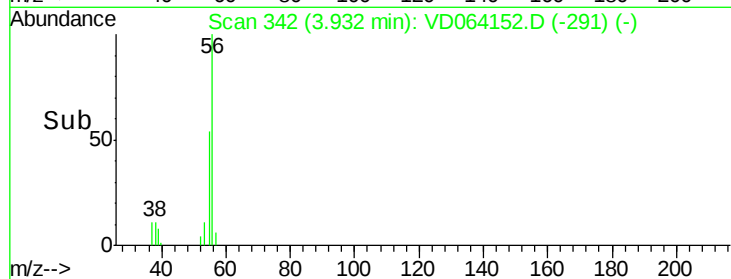
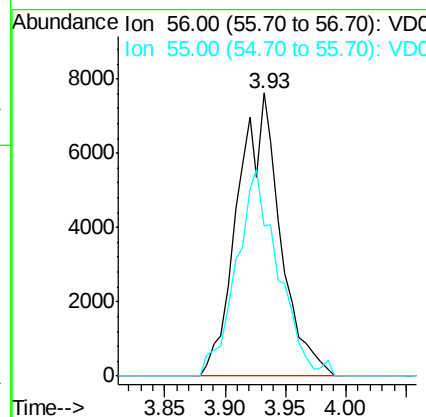
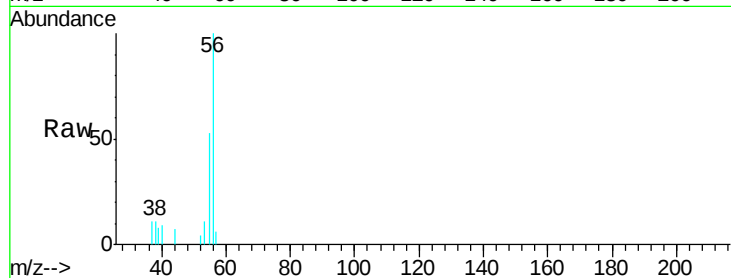
55 71.9 53.8 80.6

Manual Integrations

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#14

Allyl chloride

Concen: 50.427 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

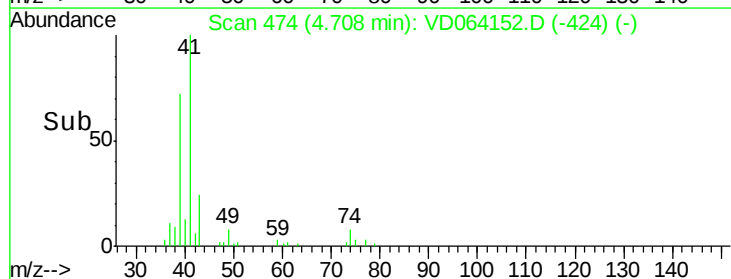
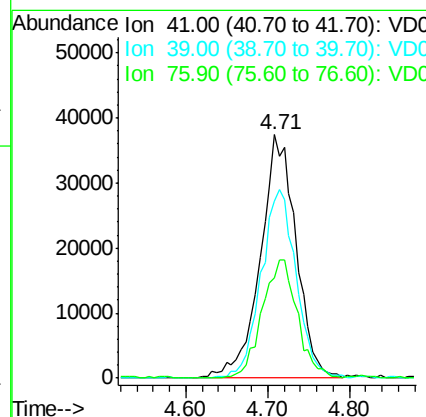
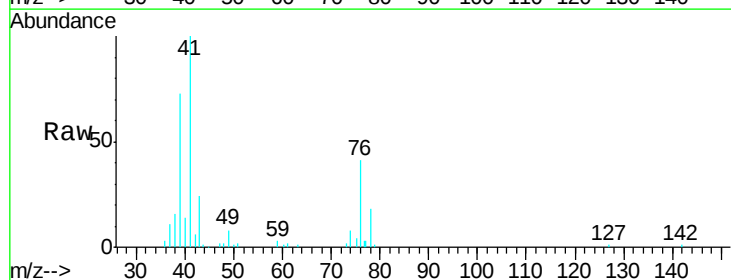
Tgt Ion: 41 Resp: 113638

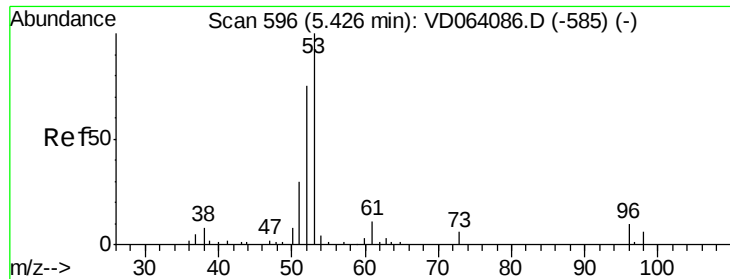
Ion Ratio Lower Upper

41 100

39 76.1 61.5 92.3

76 48.0 36.2 54.4





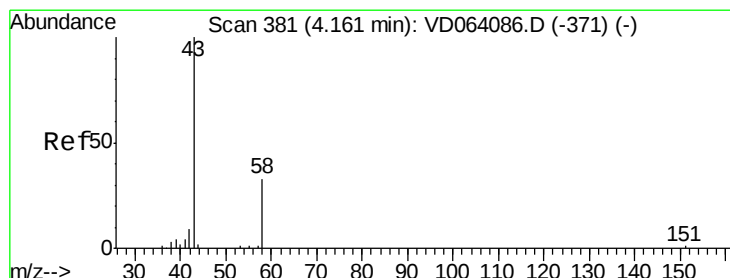
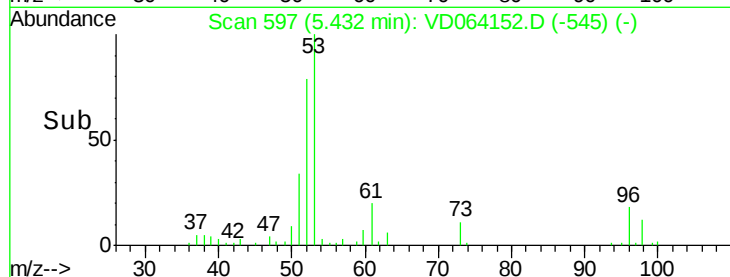
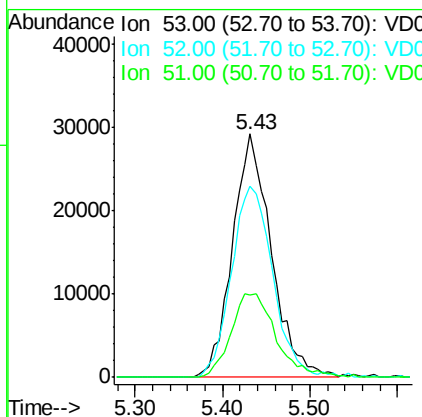
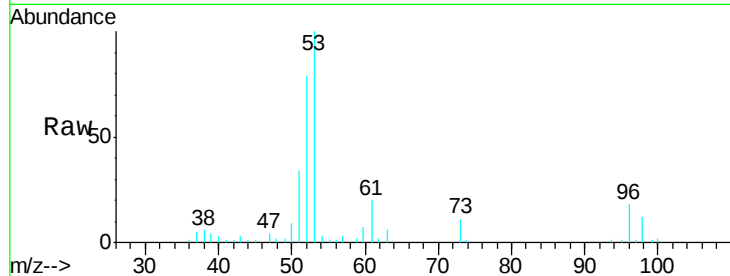
#15
 Acrylonitrile
 Concen: 242.235 ug/l
 RT: 5.43 min Scan# 597
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
53	100		
52	83.1	66.2	99.4
51	39.9	29.0	43.6

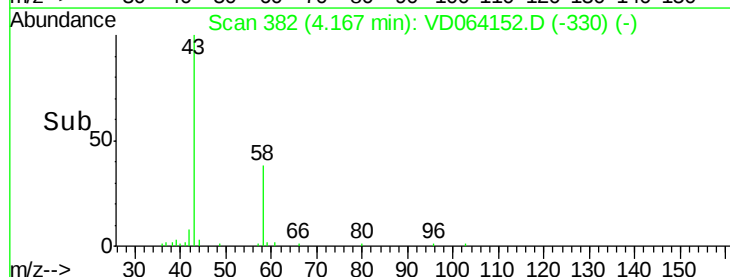
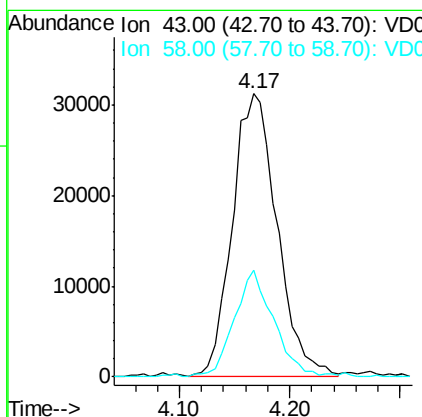
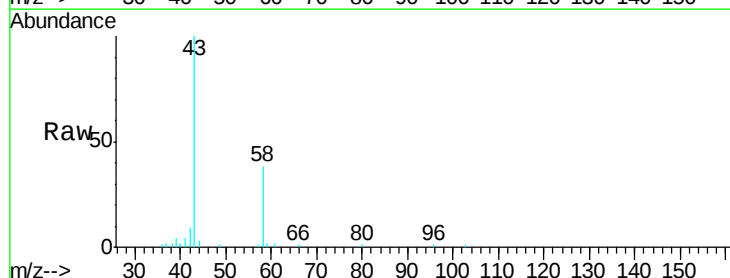
Manual Integrations
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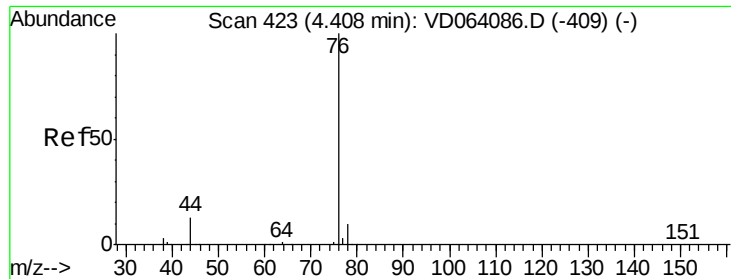
MMDadoda
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#16
 Acetone
 Concen: 264.325 ug/l
 RT: 4.17 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
43	100		
58	37.6	26.3	39.5





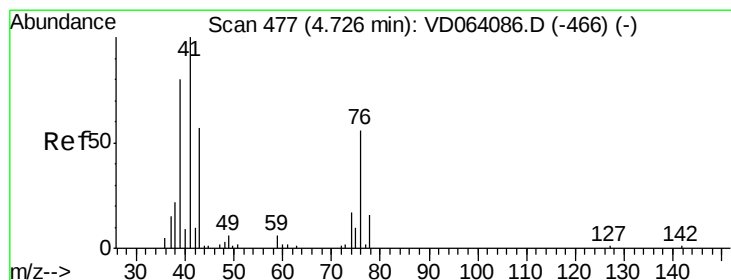
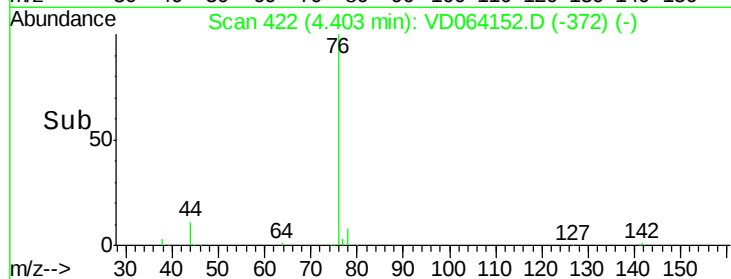
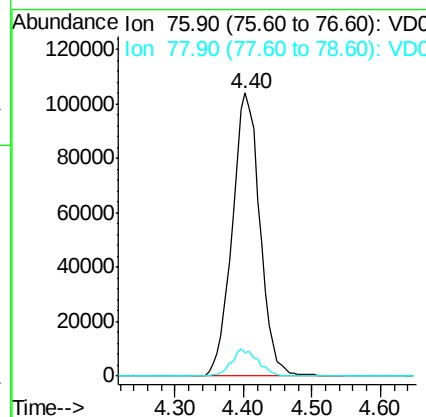
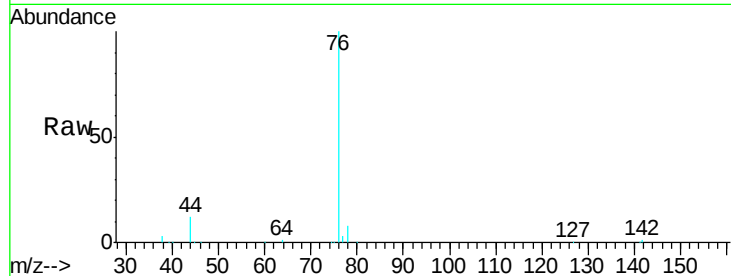
#17
Carbon Disulfide
Concen: 49.010 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 289978
Ion Ratio Lower Upper
76 100
78 8.5 8.1 12.1

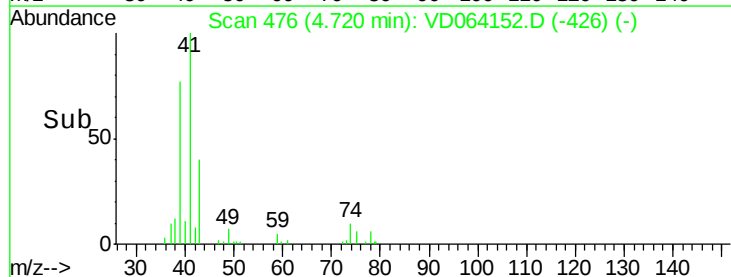
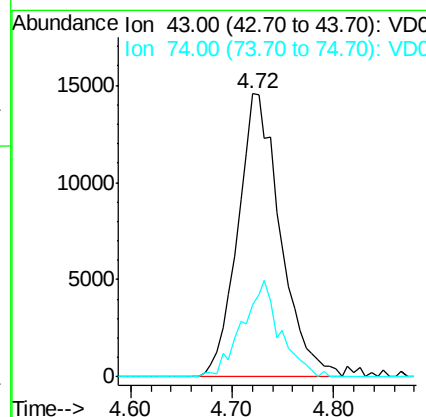
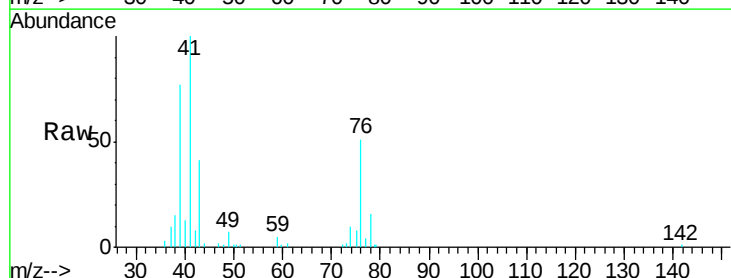
Manual Integrations
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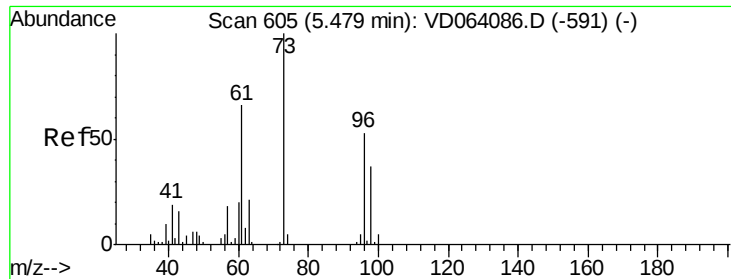
MMDadoda
11/4/2019 11:51:07 AM



#18
Methyl Acetate
Concen: 47.519 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 43 Resp: 42454
Ion Ratio Lower Upper
43 100
74 30.1 22.2 33.4





#19

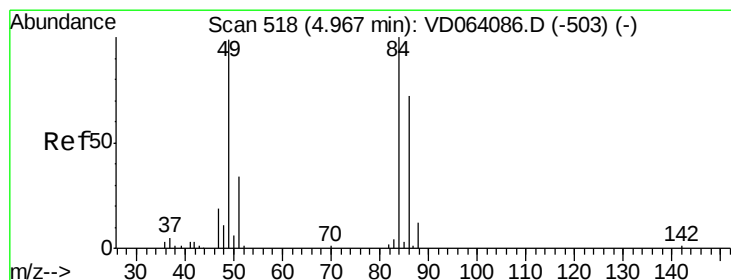
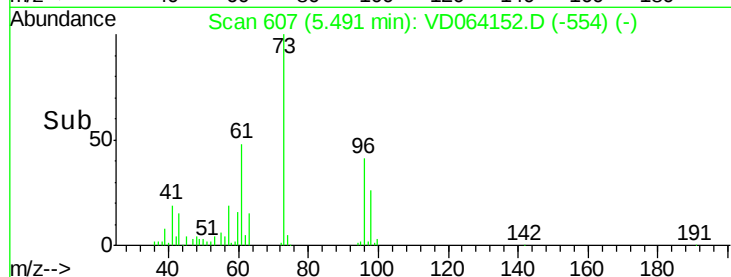
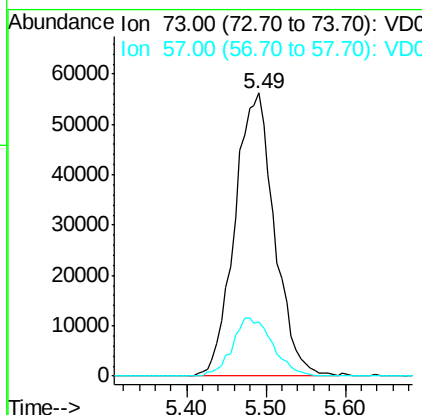
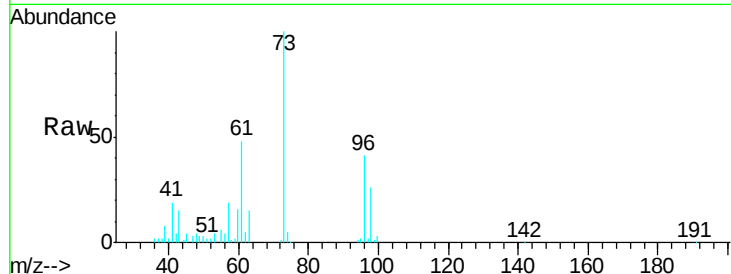
Methyl tert-butyl Ether
 Concen: 50.036 ug/l
 RT: 5.49 min Scan# 607
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 73 Resp: 195488
 Ion Ratio Lower Upper
 73 100
 57 19.0 14.3 21.5

Manual Integrations
 APPROVED

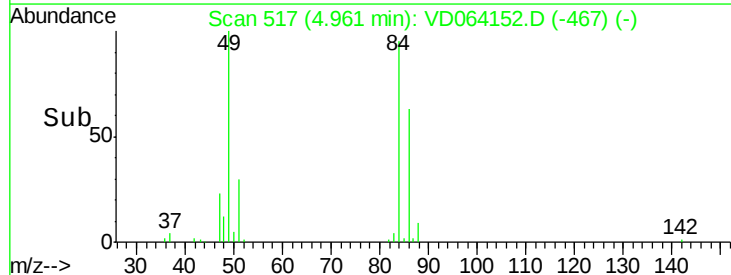
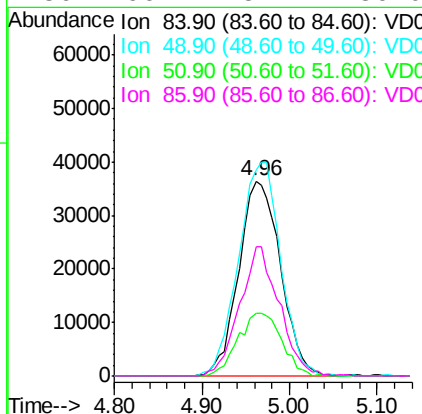
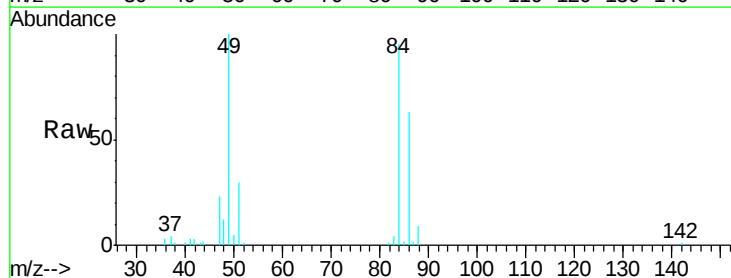
MMDadoda
 11/4/2019 11:51:07 AM

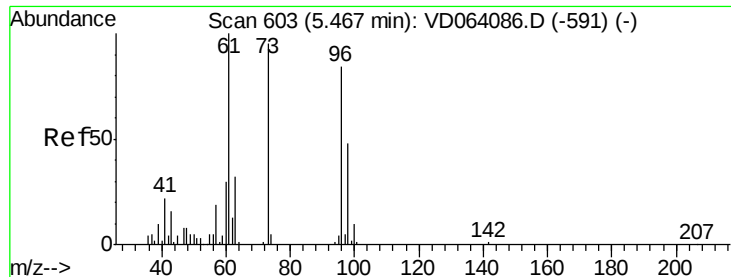


#20

Methylene Chloride
 Concen: 55.715 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 84 Resp: 118539
 Ion Ratio Lower Upper
 84 100
 49 105.6 79.4 119.0
 51 32.1 27.4 41.2
 86 66.1 57.4 86.0





#21

trans-1,2-Dichloroethene

Concen: 51.570 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

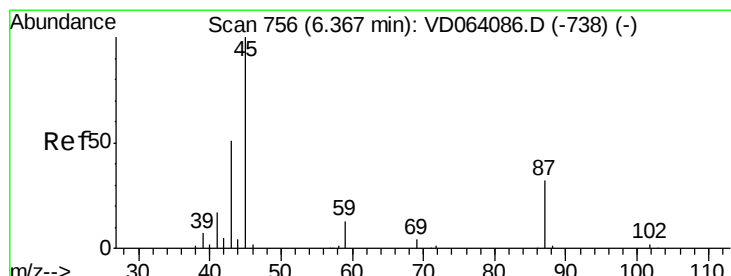
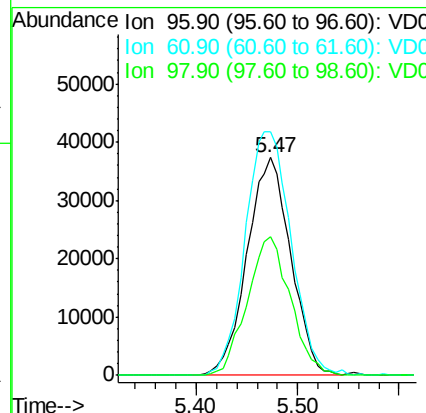
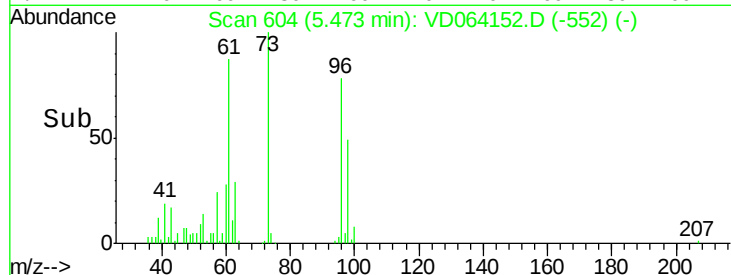
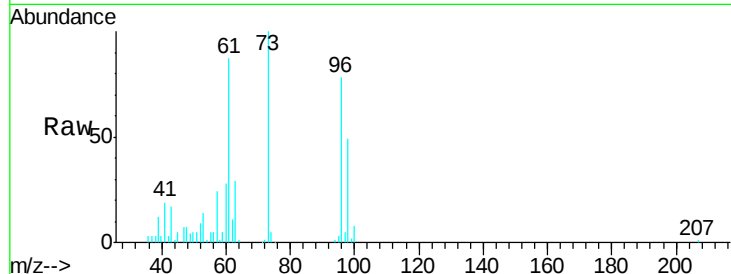
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	96	Resp:	111460
Ion	Ratio	Lower	Upper
96	100		
61	111.5	95.0	142.6
98	63.6	45.8	68.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.024 ug/l

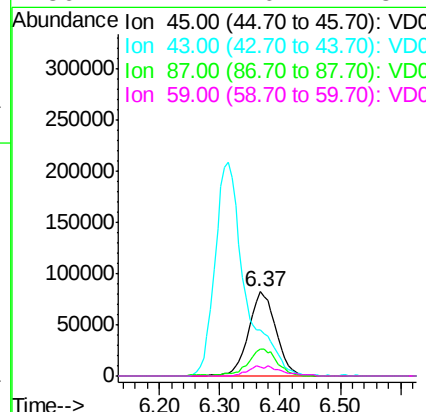
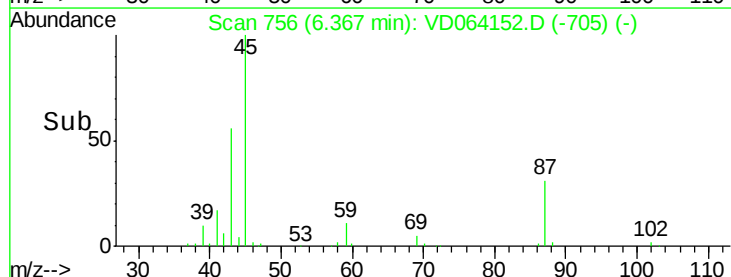
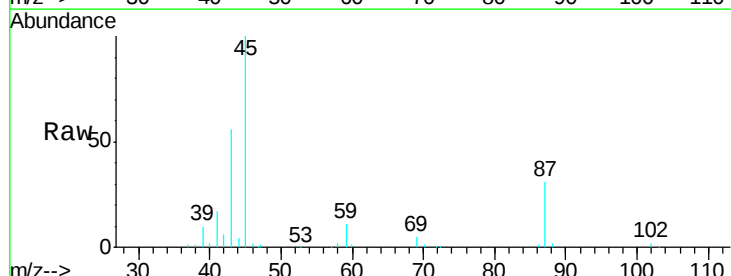
RT: 6.37 min Scan# 756

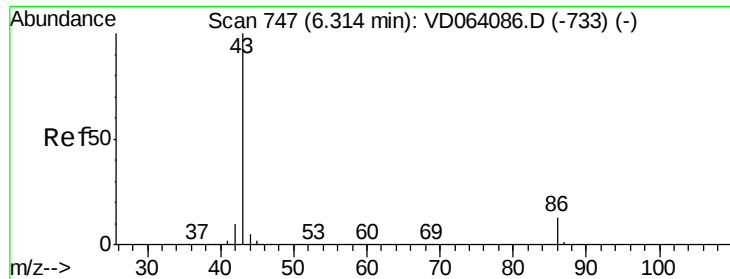
Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion:	45	Resp:	259644
Ion	Ratio	Lower	Upper
45	100		
43	54.7	44.3	66.5
87	31.4	26.6	39.8
59	11.1	10.2	15.2





#23

Vinyl Acetate

Concen: 263.792 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 721657

Ion Ratio Lower Upper

43 100

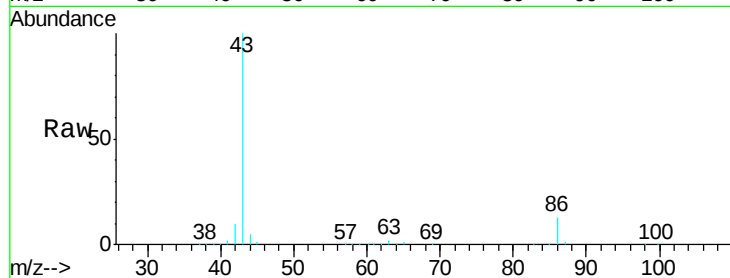
86 13.3 10.7 16.1

Manual Integrations

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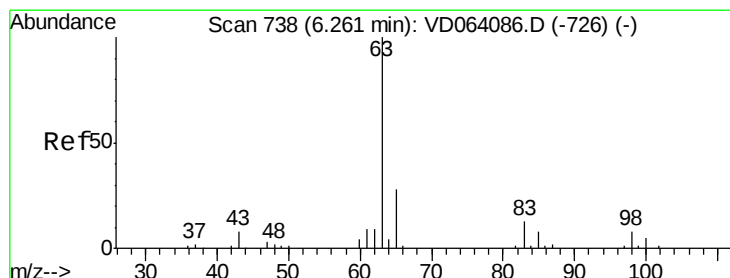
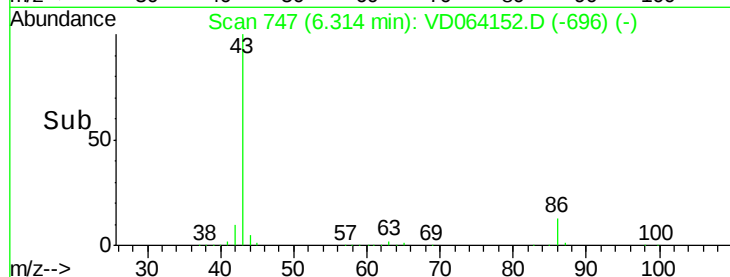
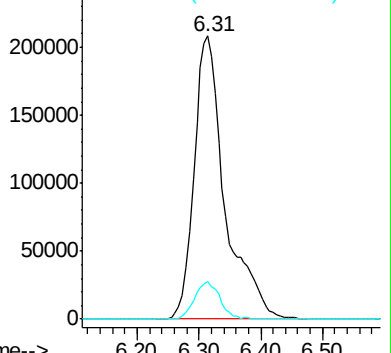
MMDadoda

11/4/2019 11:51:07 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.715 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

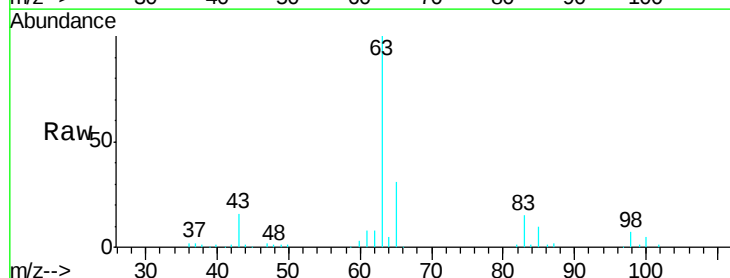
Tgt Ion: 63 Resp: 167549

Ion Ratio Lower Upper

63 100

98 7.2 4.0 11.9

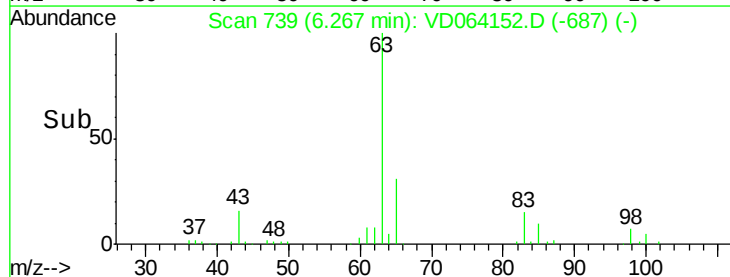
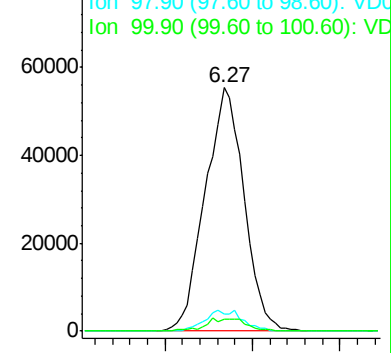
100 5.0 2.6 7.8

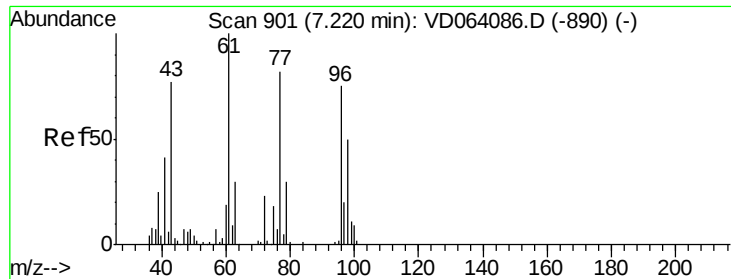


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 247.105 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 43 Resp: 114738

Ion Ratio Lower Upper

43 100

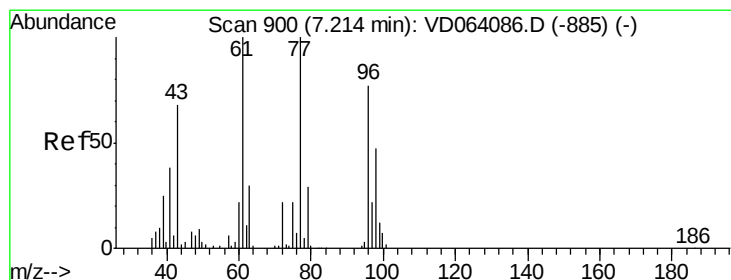
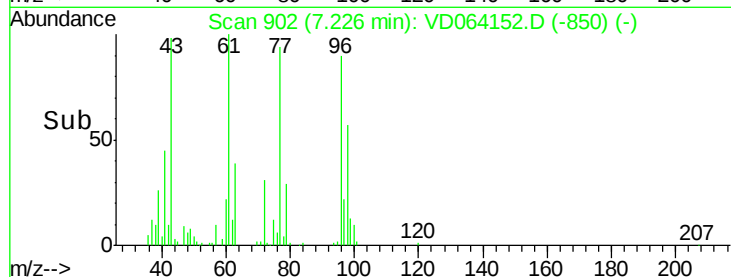
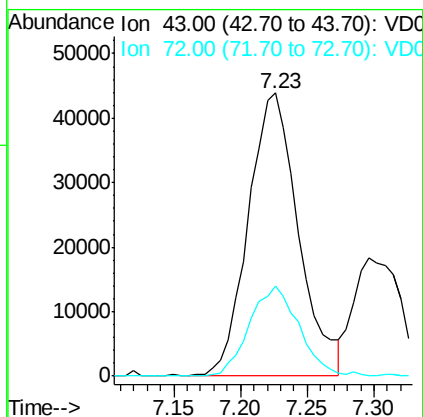
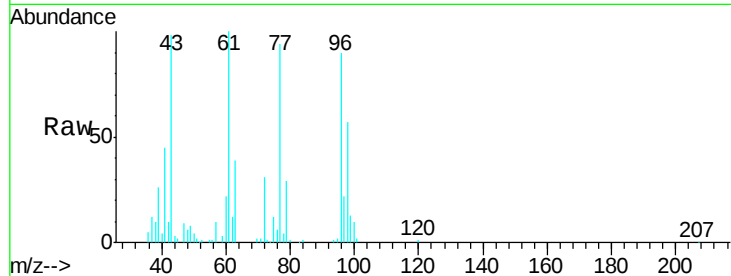
72 31.8 23.4 35.0

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#26

2,2-Dichloropropane

Concen: 48.137 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD064152.D

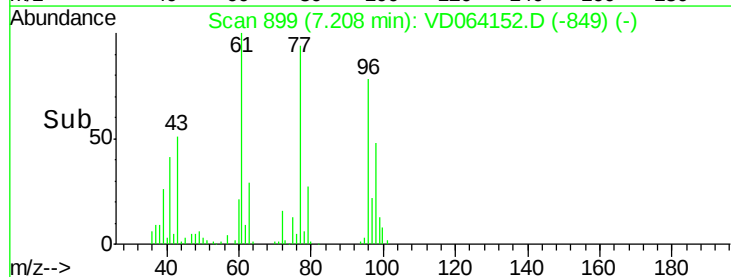
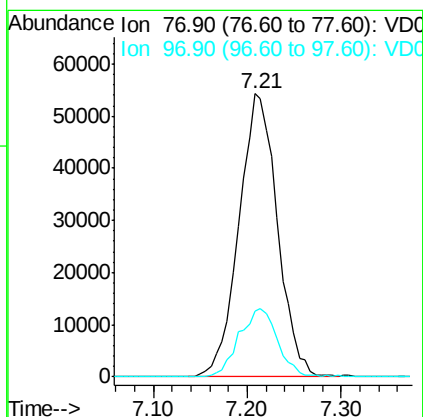
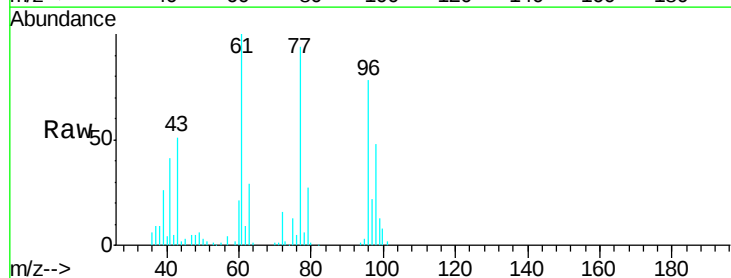
Acq: 01 Nov 2019 17:57

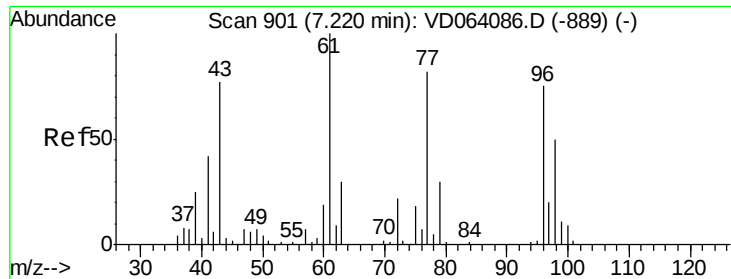
Tgt Ion: 77 Resp: 153975

Ion Ratio Lower Upper

77 100

97 24.0 11.2 33.5





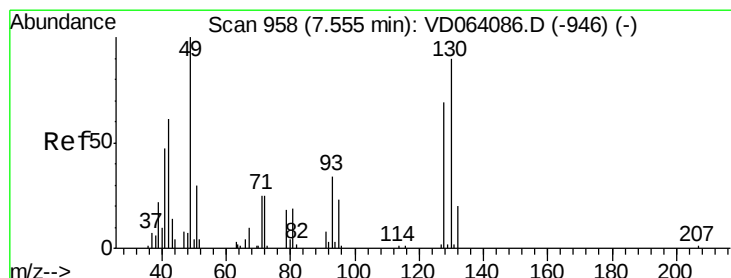
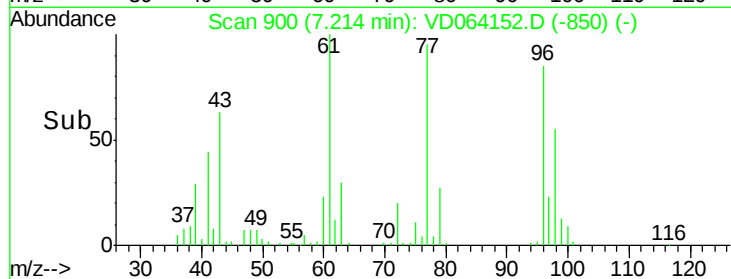
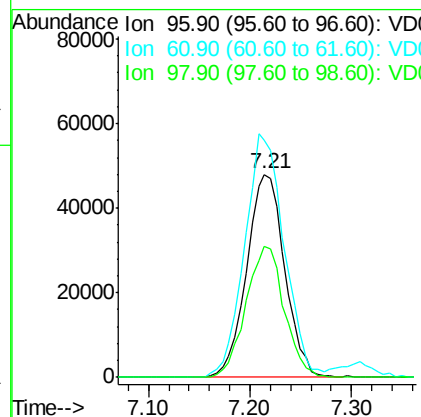
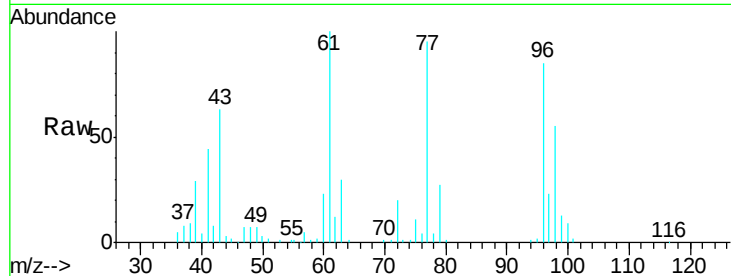
#27
 cis-1,2-Dichloroethene
 Concen: 51.550 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	124672		
61	124.8	0.0	258.0	
98	64.9	0.0	130.8	

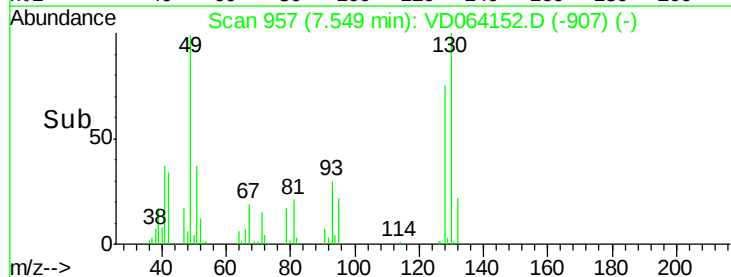
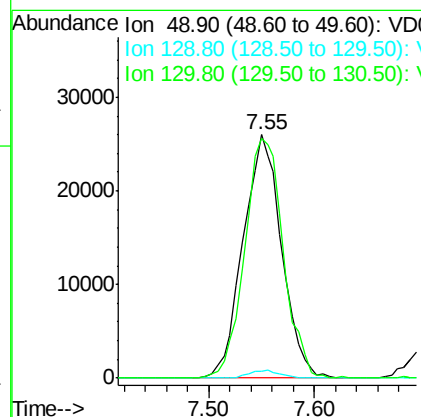
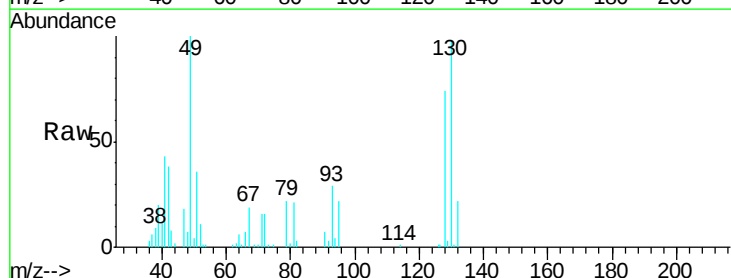
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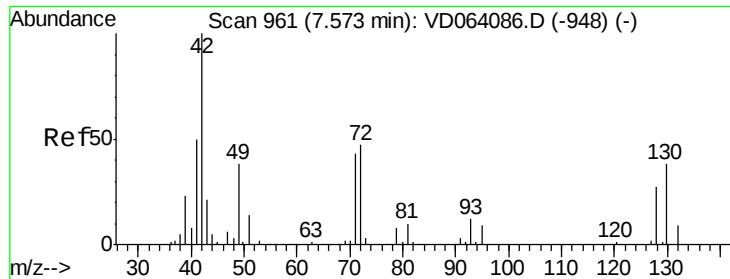
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#28
 Bromochloromethane
 Concen: 49.991 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	65672		
129	2.6	0.0	5.4	
130	98.6	75.3	112.9	





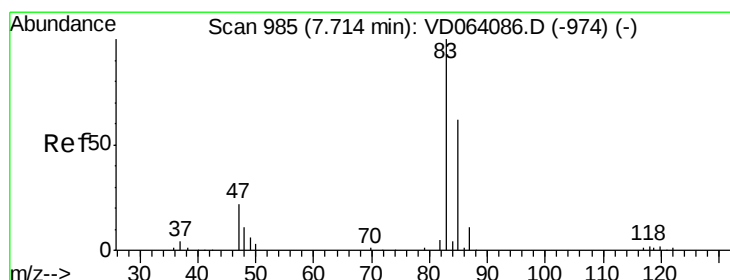
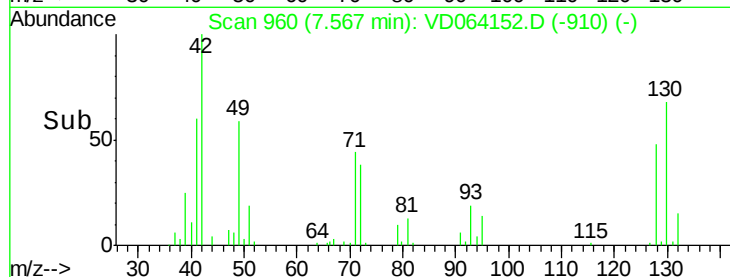
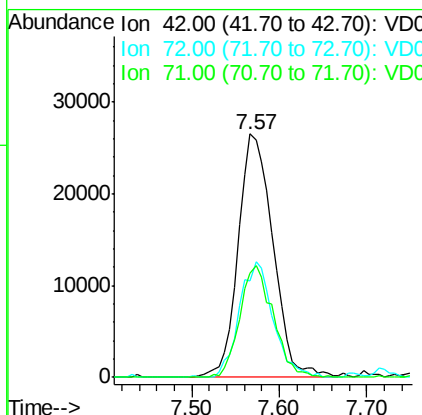
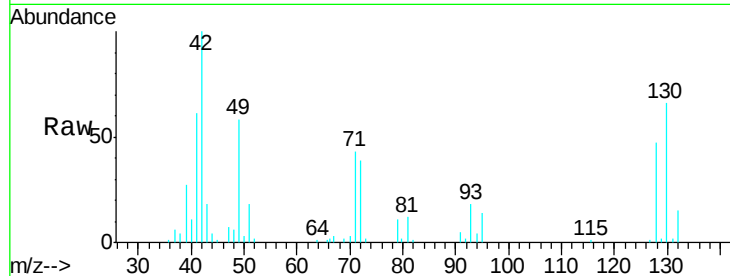
#29
Tetrahydrofuran
Concen: 263.854 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	46.2	38.9	58.3
71	44.3	35.4	53.2

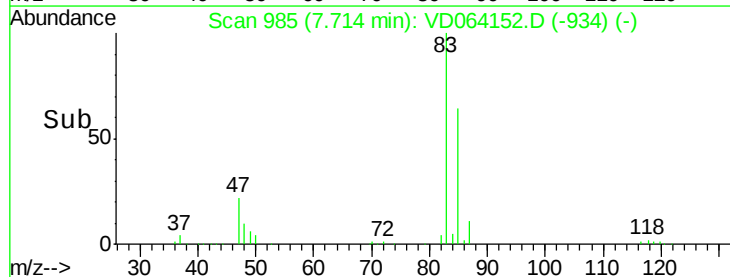
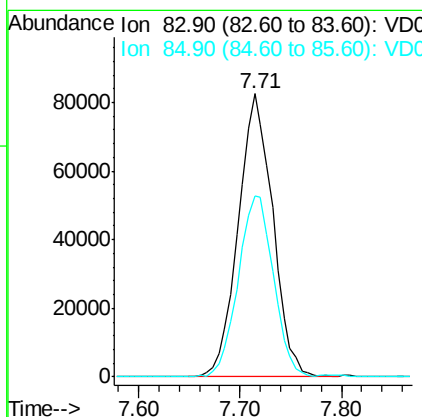
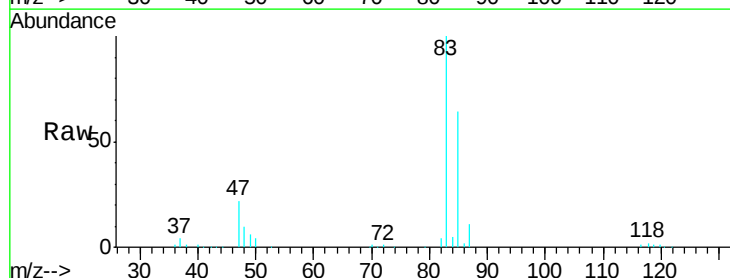
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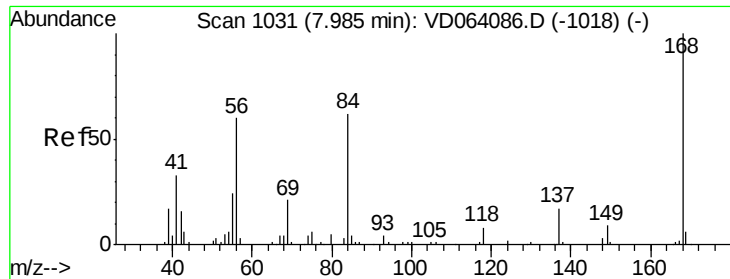
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#30
Chloroform
Concen: 50.653 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.8	74.6





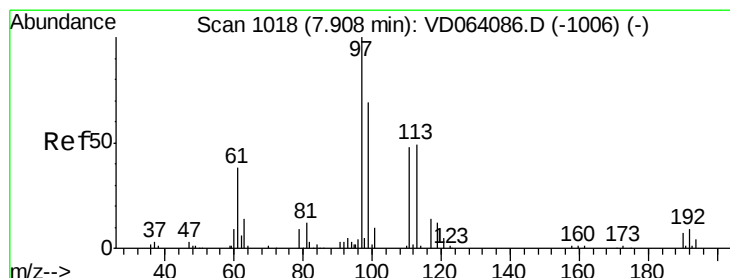
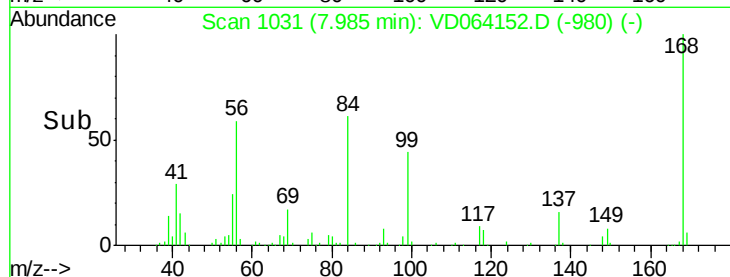
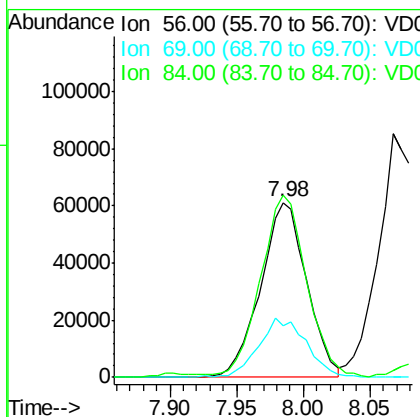
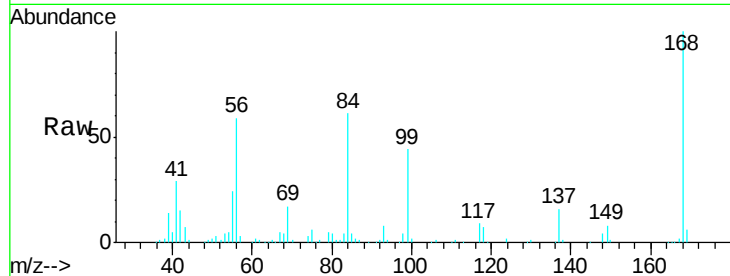
#31
Cyclohexane
Concen: 44.727 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.9	27.7	41.5
84	102.4	83.1	124.7

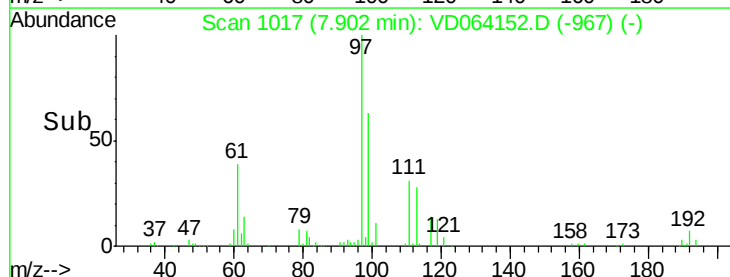
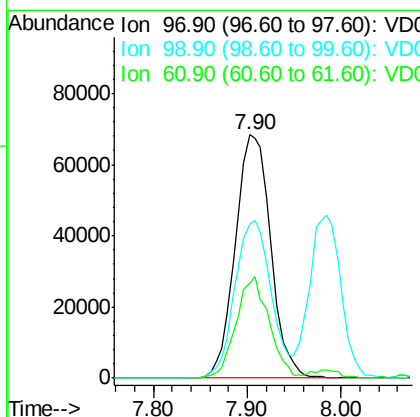
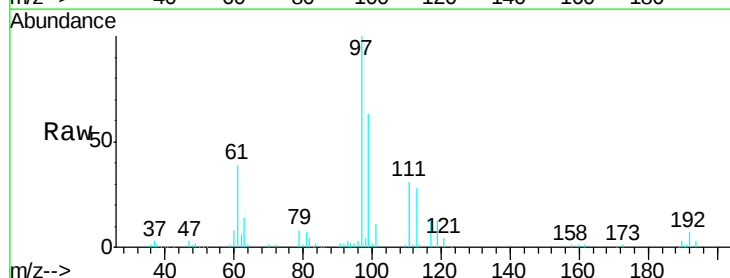
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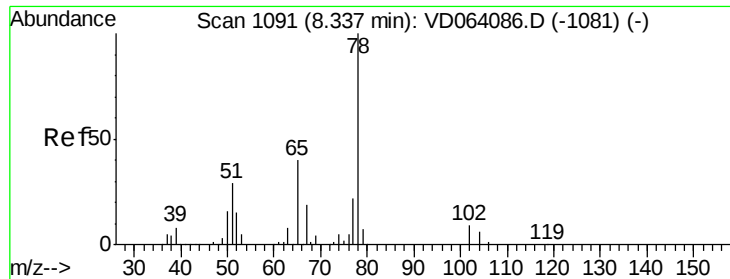
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#32
1,1,1-Trichloroethane
Concen: 49.663 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.0	53.7	80.5
61	38.9	31.8	47.6





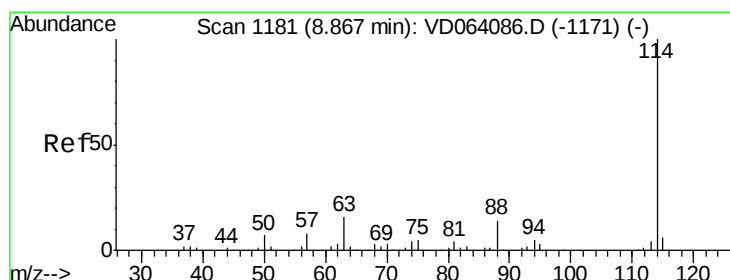
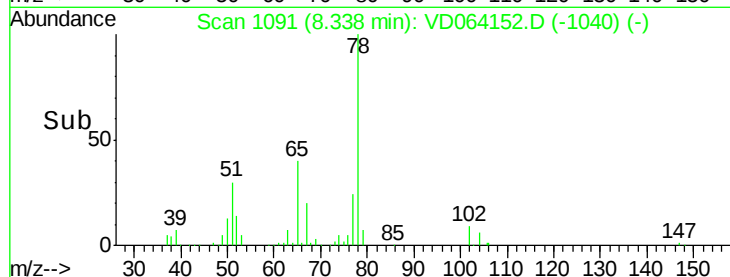
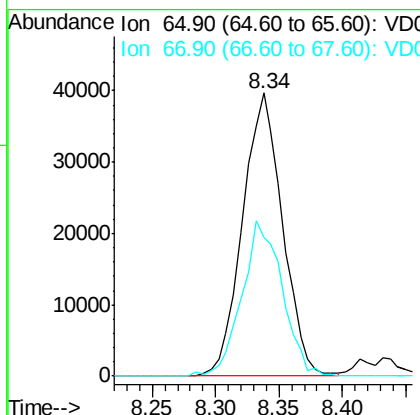
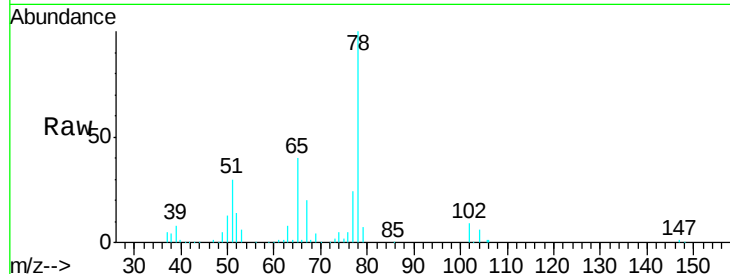
#33
 1,2-Dichloroethane-d4
 Concen: 49.214 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 65 Resp: 86875
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 104.6

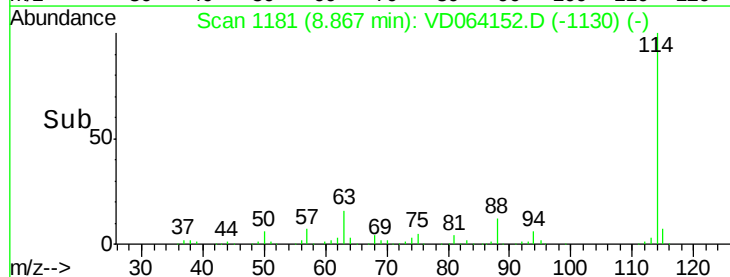
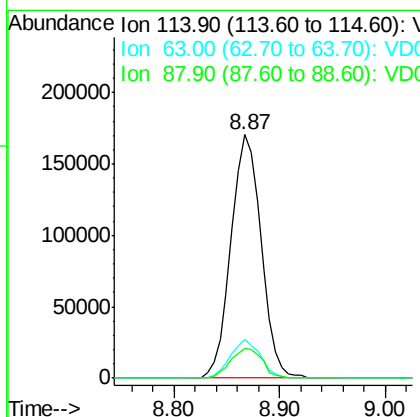
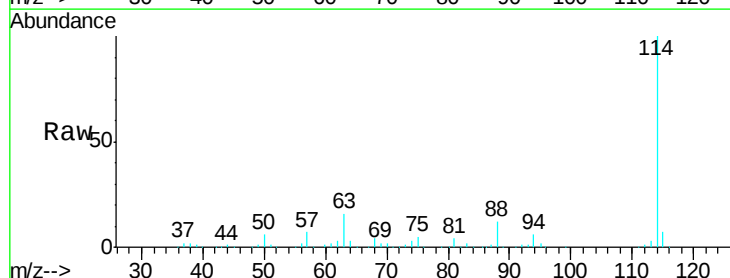
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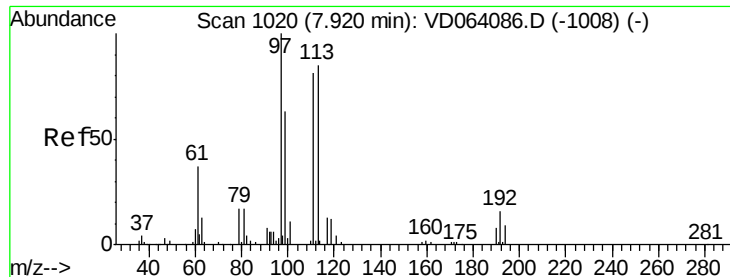
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 114 Resp: 337018
 Ion Ratio Lower Upper
 114 100
 63 15.9 0.0 32.8
 88 12.2 0.0 27.6





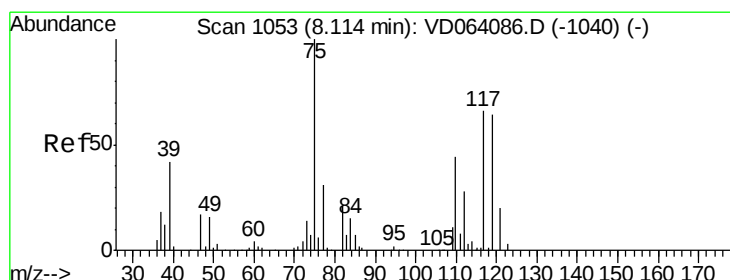
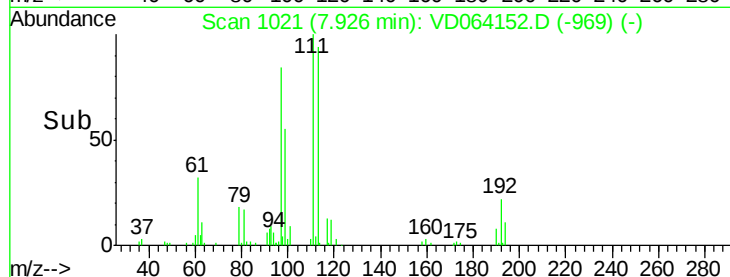
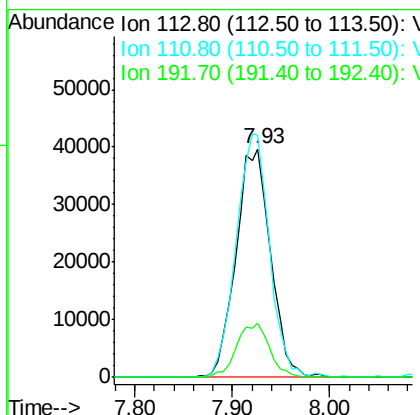
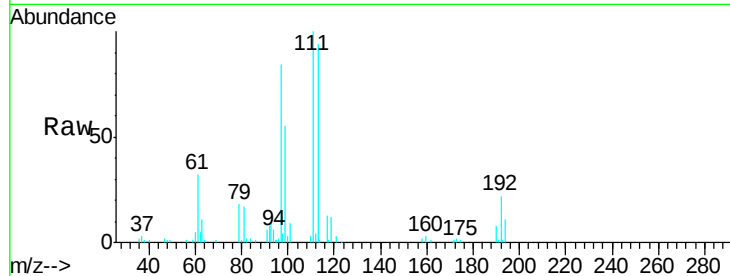
#35
 Dibromofluoromethane
 Concen: 47.405 ug/l
 RT: 7.93 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	98290		
111	102.6	79.3	118.9	
192	22.4	16.2	24.2	

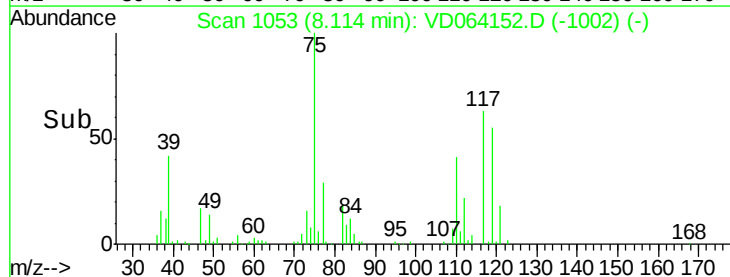
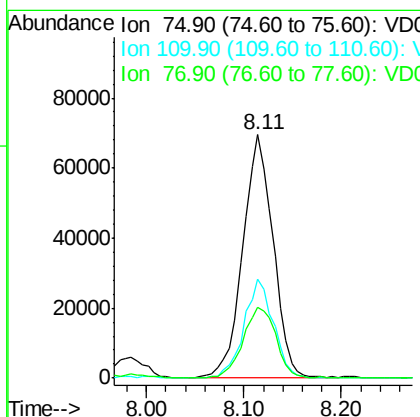
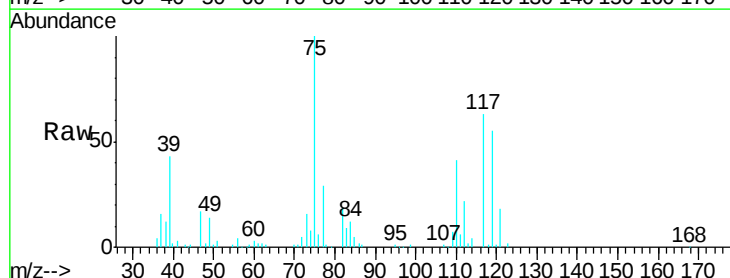
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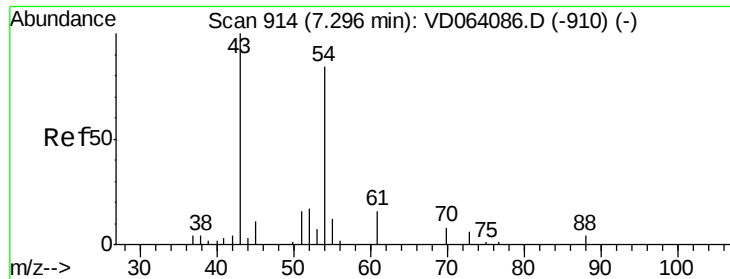
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#36
 1,1-Dichloropropene
 Concen: 47.767 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	150848		
110	39.5	20.0	59.9	
77	31.4	24.7	37.1	





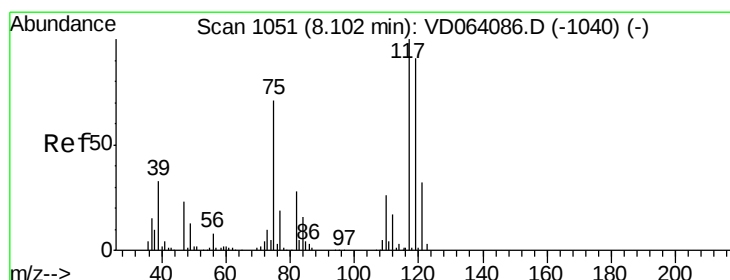
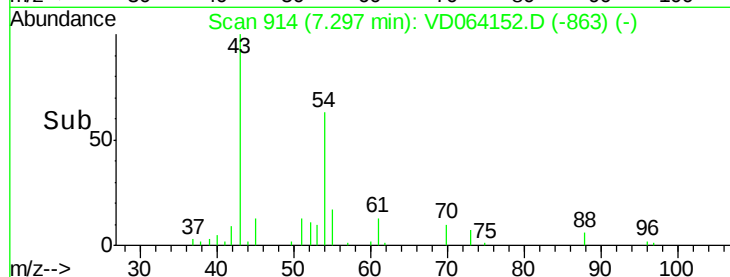
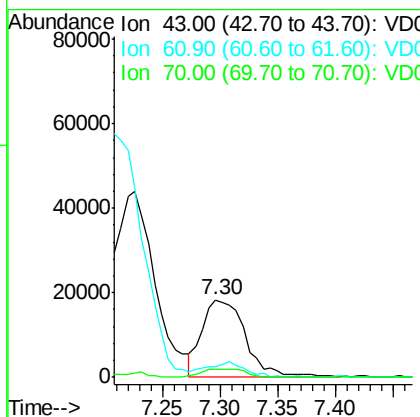
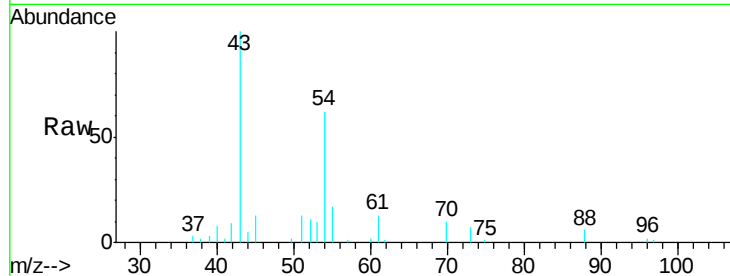
#37
Ethyl Acetate
Concen: 49.795 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 48402
Ion Ratio Lower Upper
43 100
61 16.0 12.0 18.0
70 11.0 3.8 5.6#

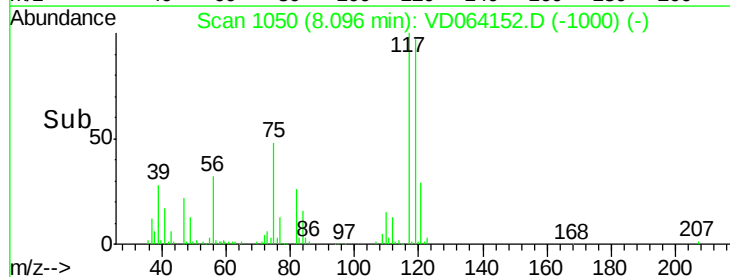
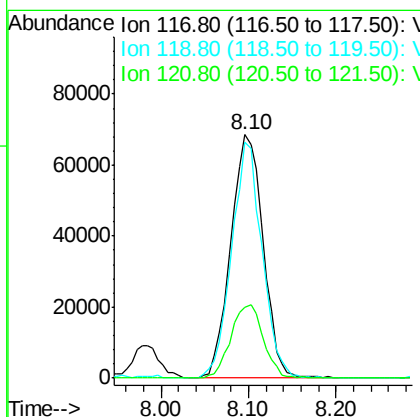
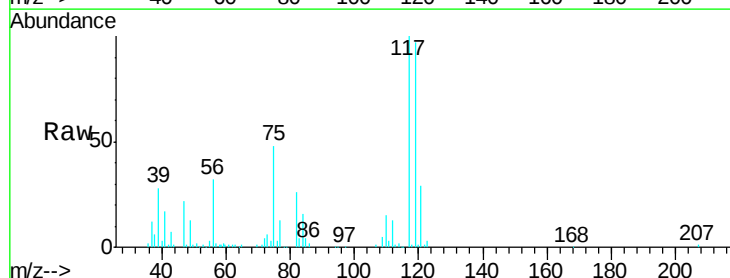
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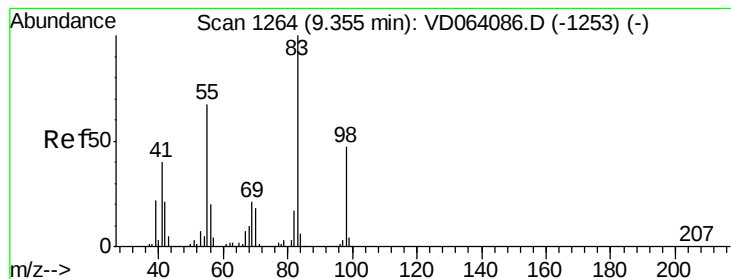
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#38
Carbon Tetrachloride
Concen: 49.741 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 117 Resp: 171383
Ion Ratio Lower Upper
117 100
119 96.8 72.6 108.8
121 29.1 25.8 38.6





#39

Methylcyclohexane

Concen: 48.048 ug/l

RT: 9.36 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

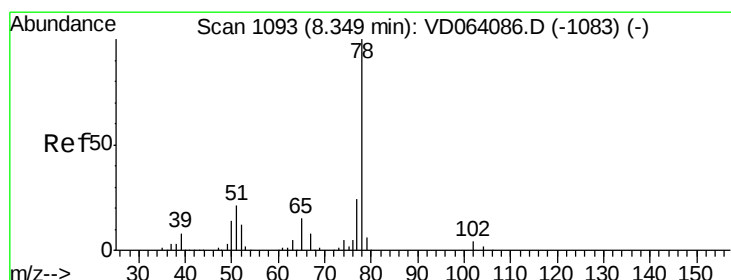
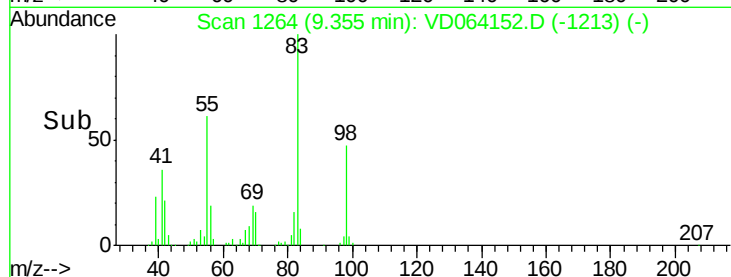
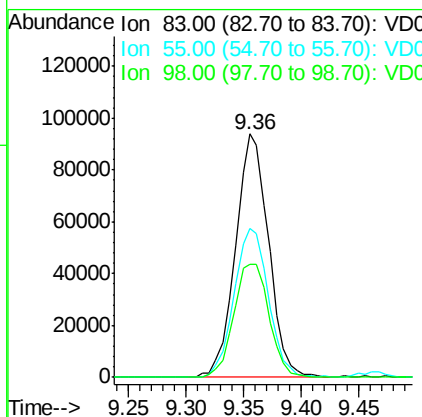
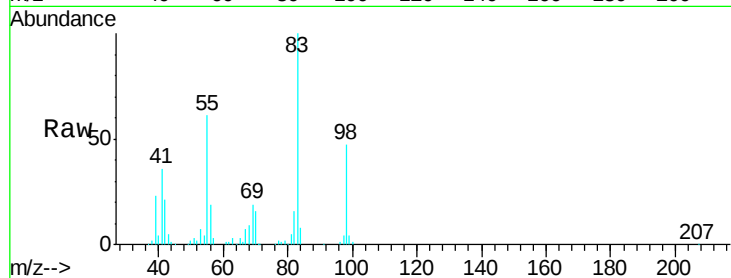
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	186263
Ion	Ratio	Lower	Upper
83	100		
55	61.2	53.4	80.0
98	46.6	37.8	56.6

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#40

Benzene

Concen: 49.935 ug/l

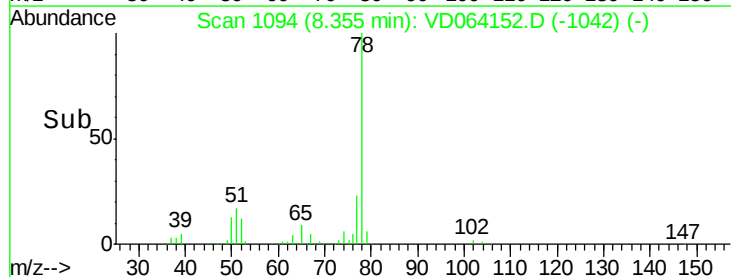
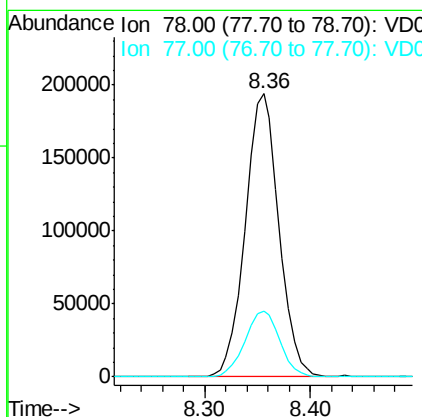
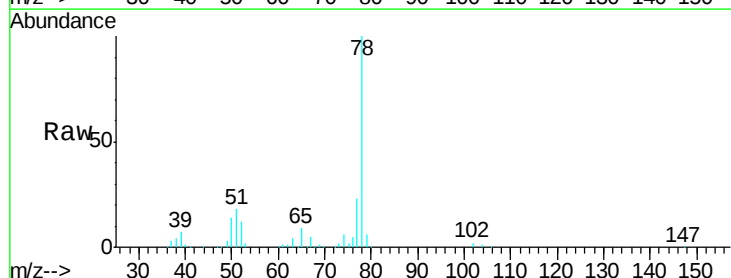
RT: 8.36 min Scan# 1094

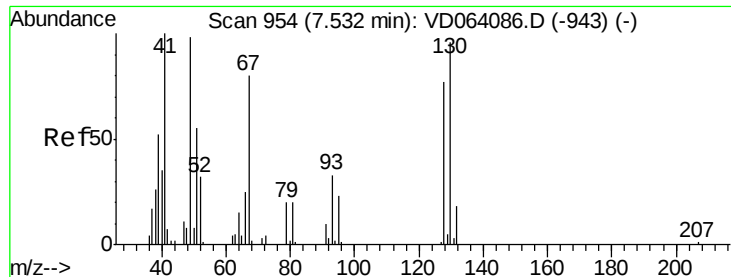
Delta R.T. 0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion:	78	Resp:	430024
Ion	Ratio	Lower	Upper
78	100		
77	23.2	19.0	28.4





#41

Methacrylonitrile

Concen: 31.778 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 41 Resp: 17826
Ion Ratio Lower Upper

41 100

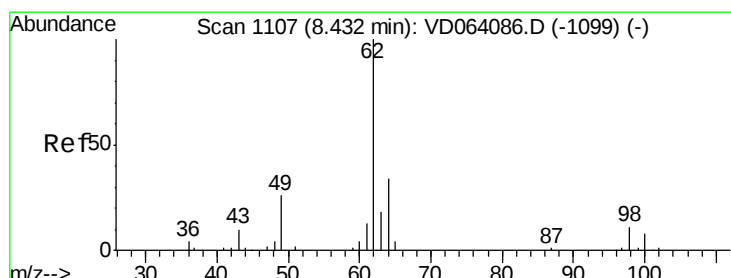
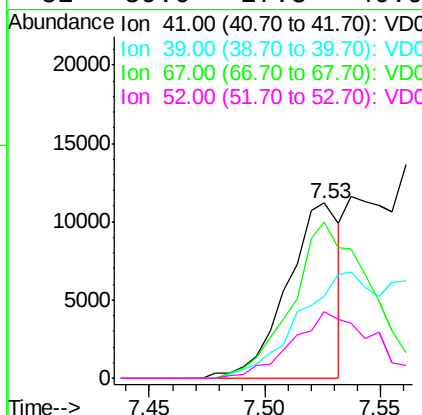
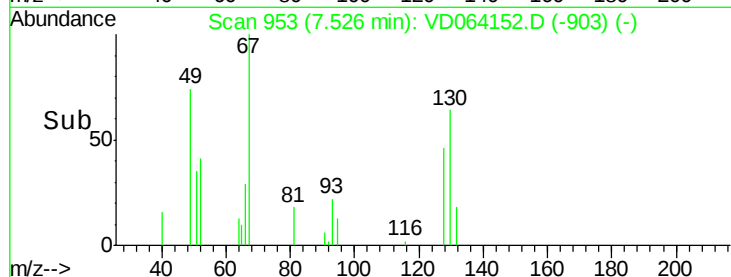
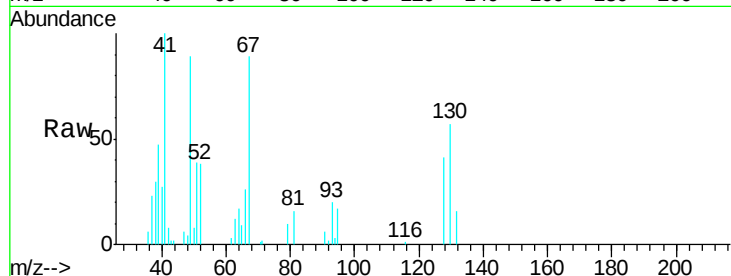
39 87.1 41.0 61.4#

67 135.1 73.4 110.0#

52 59.0 27.3 40.9#

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#42

1,2-Dichloroethane

Concen: 51.303 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.00 min

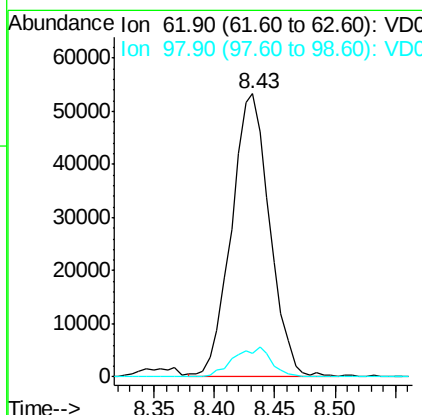
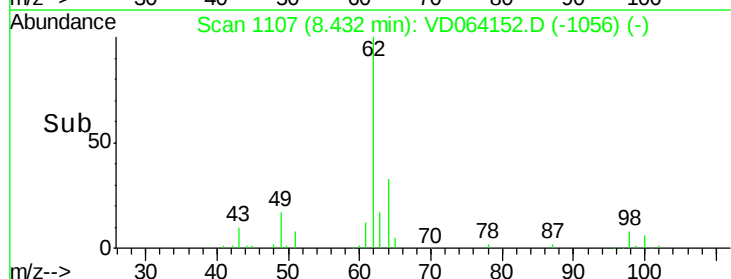
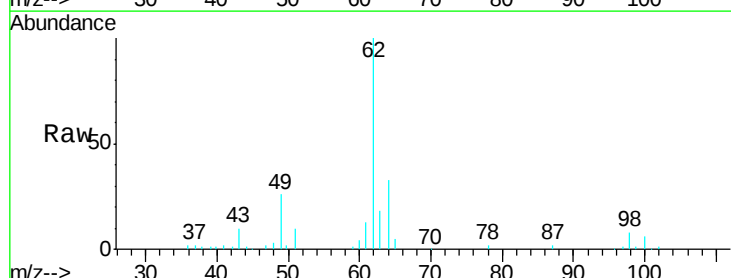
Lab File: VD064152.D

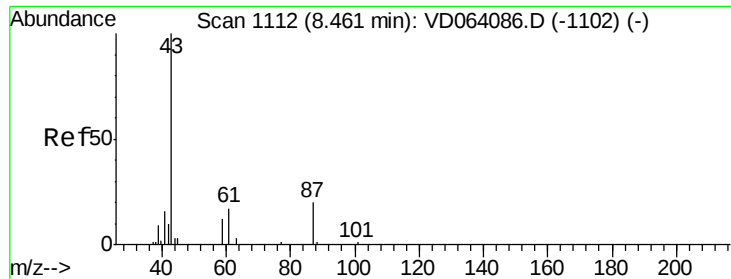
Acq: 01 Nov 2019 17:57

Tgt Ion: 62 Resp: 116702
Ion Ratio Lower Upper

62 100

98 10.4 0.0 21.0





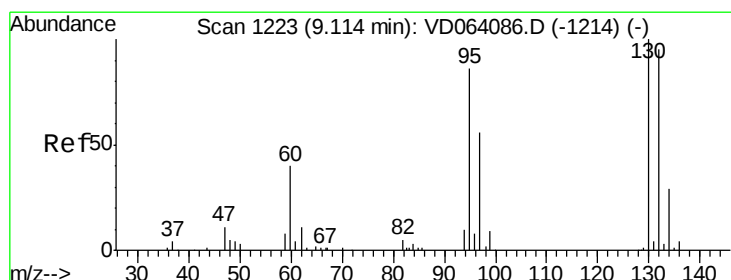
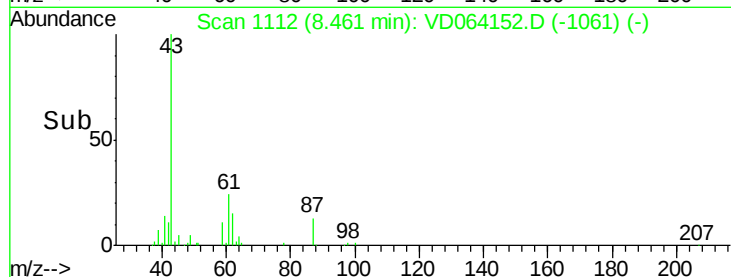
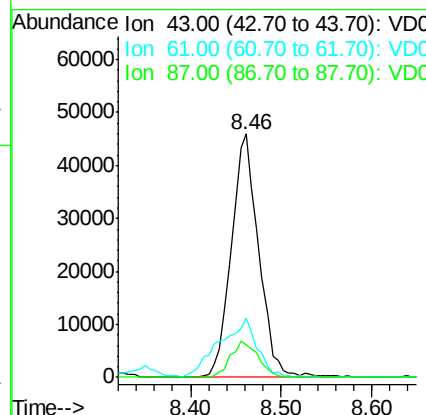
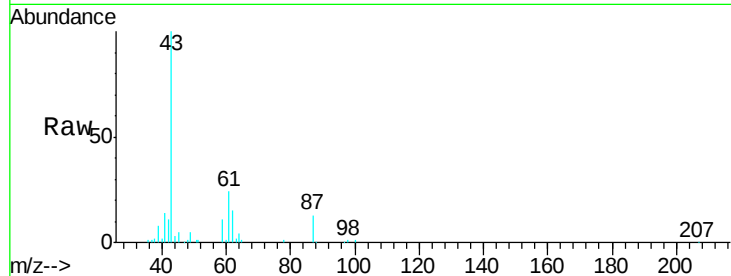
#43
Isopropyl Acetate
Concen: 49.000 ug/l
RT: 8.46 min Scan# 1112
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
43	100		
61	33.5	25.8	38.8
87	14.9	13.0	19.4

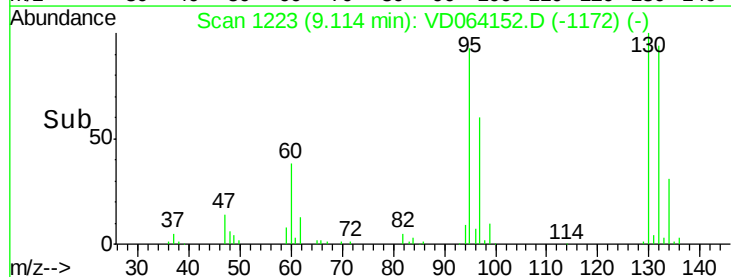
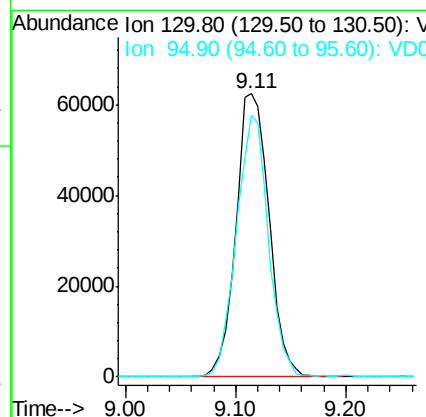
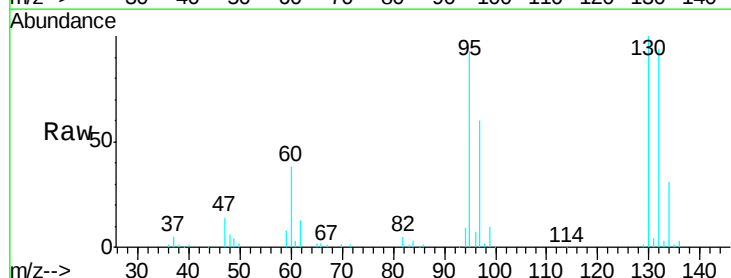
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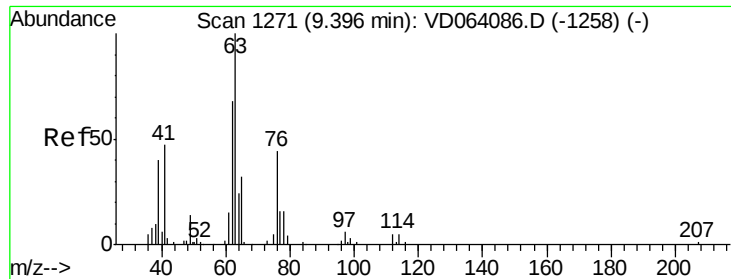
MMDadoda
11/4/2019 11:51:07 AM



#44
Trichloroethene
Concen: 50.351 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	173.0





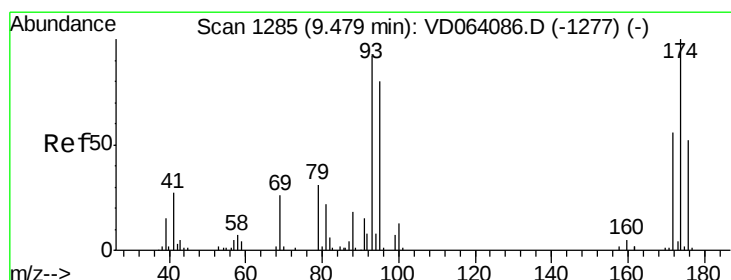
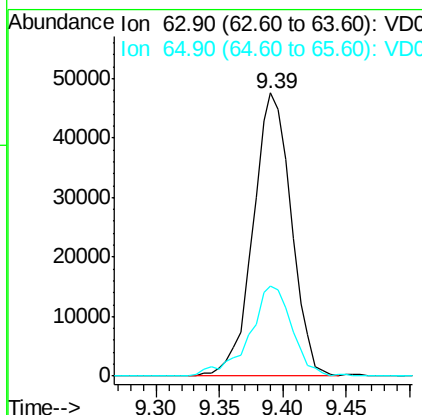
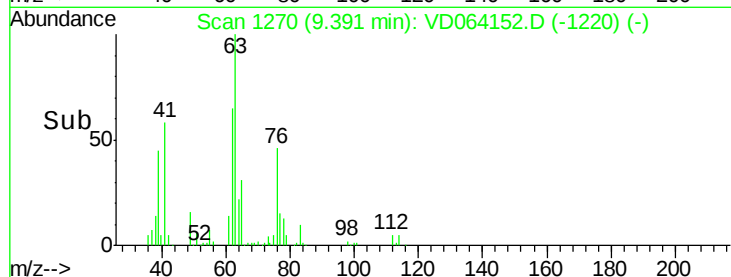
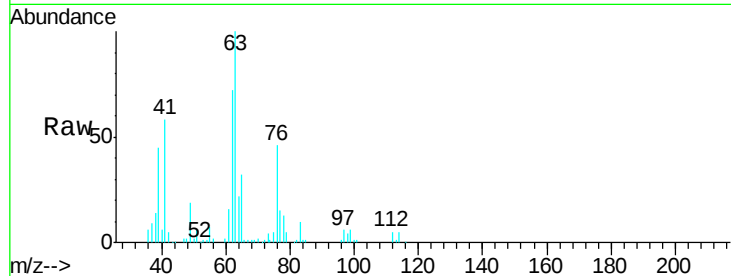
#45
 1,2-Dichloropropane
 Concen: 50.020 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 63 Resp: 99828
 Ion Ratio Lower Upper
 63 100
 65 31.8 25.8 38.8

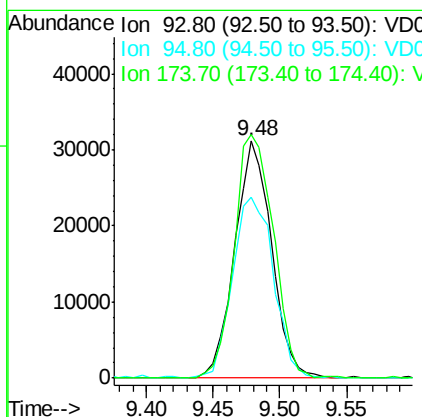
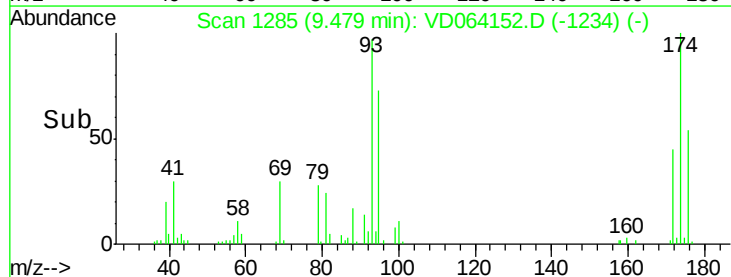
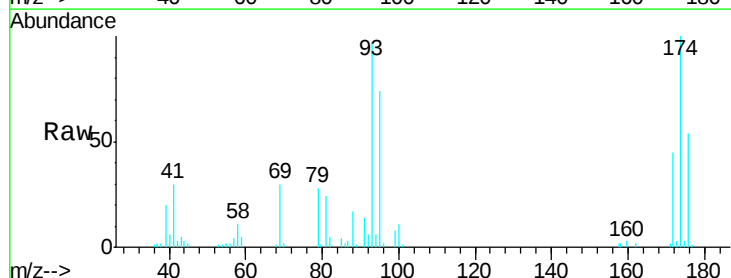
Manual Integrations
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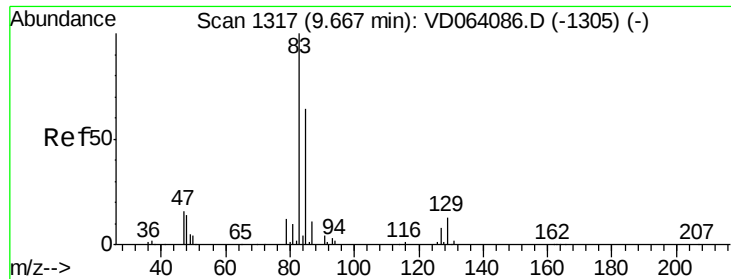
MMDadoda
 11/4/2019 11:51:07 AM



#46
 Dibromomethane
 Concen: 49.520 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 93 Resp: 59522
 Ion Ratio Lower Upper
 93 100
 95 85.0 67.4 101.2
 174 109.5 86.4 129.6





#47

Bromodichloromethane

Concen: 50.021 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

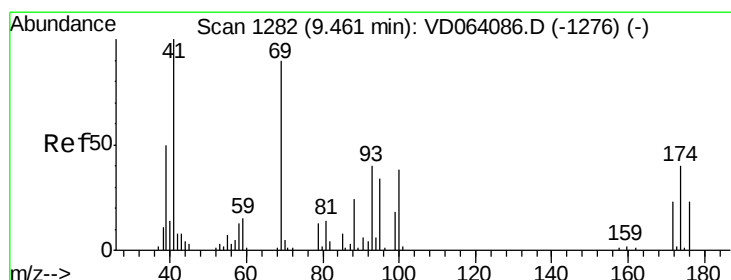
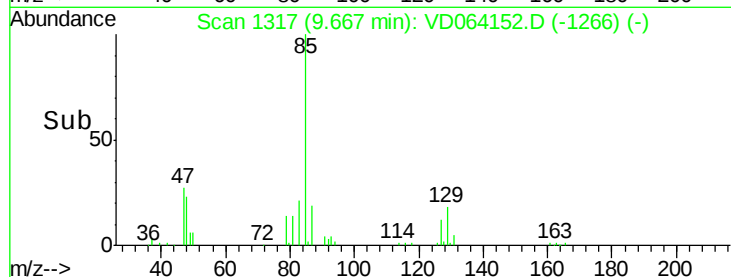
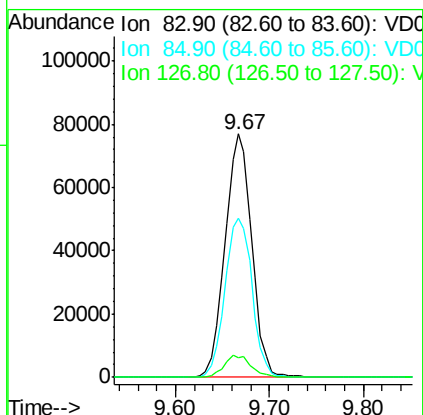
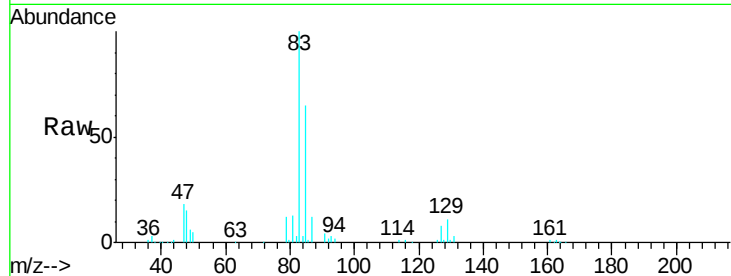
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	83	Resp:	151679
Ion	Ratio	Lower	Upper
83	100		
85	65.4	51.4	77.0
127	7.9	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 49.920 ug/l

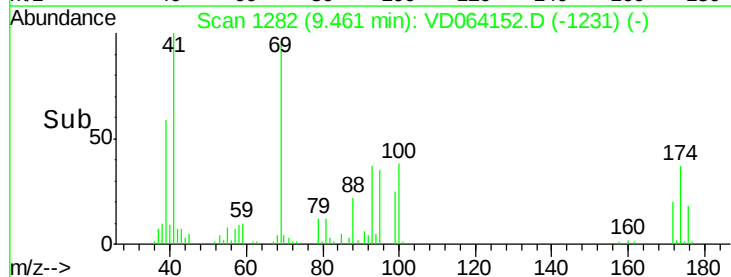
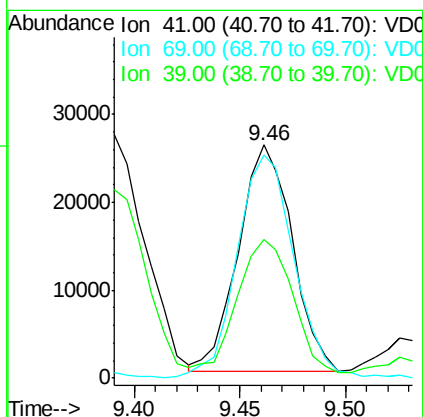
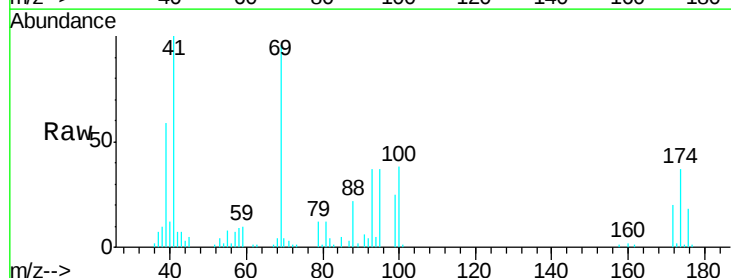
RT: 9.46 min Scan# 1282

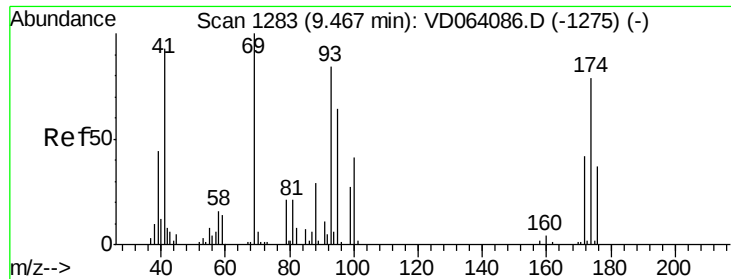
Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion:	41	Resp:	45348
Ion	Ratio	Lower	Upper
41	100		
69	105.3	82.6	124.0
39	65.9	47.0	70.4





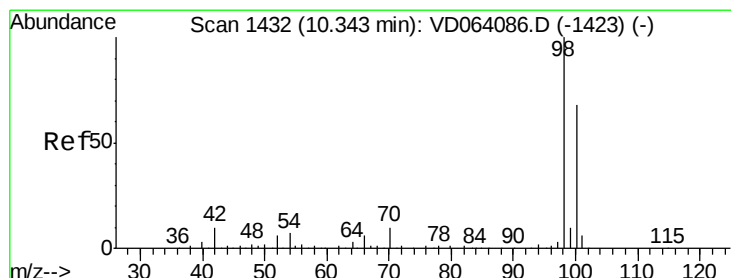
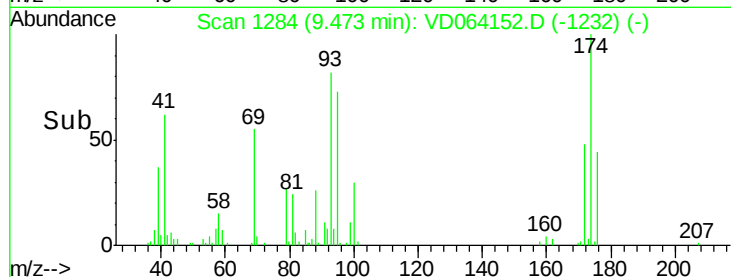
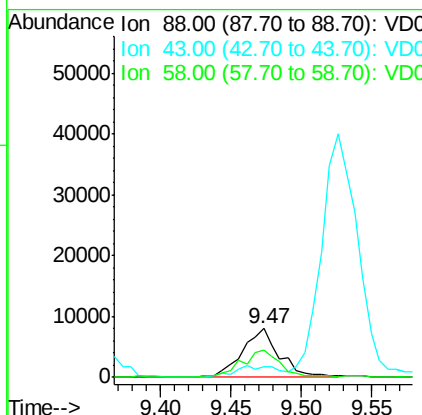
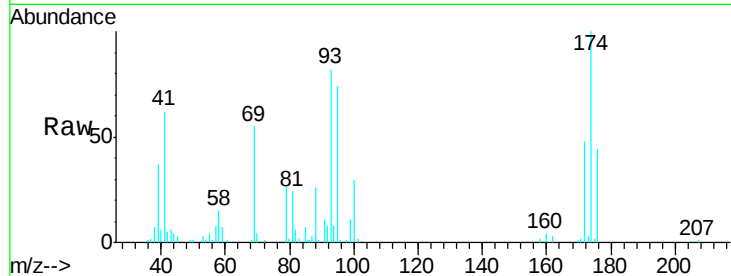
#49
1,4-Dioxane
Concen: 1081.287 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050EC

Tgt Ion: 88 Resp: 14877
Ion Ratio Lower Upper
88 100
43 27.1 13.4 20.0#
58 59.4 46.7 70.1

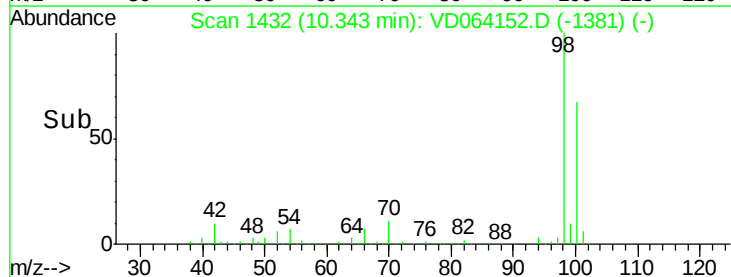
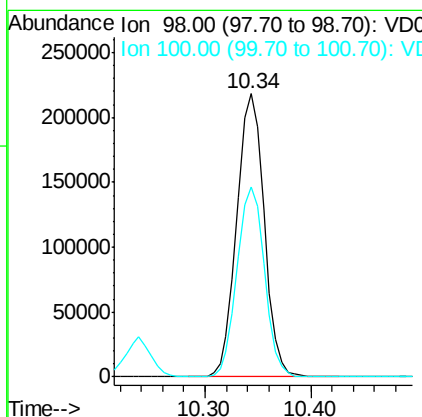
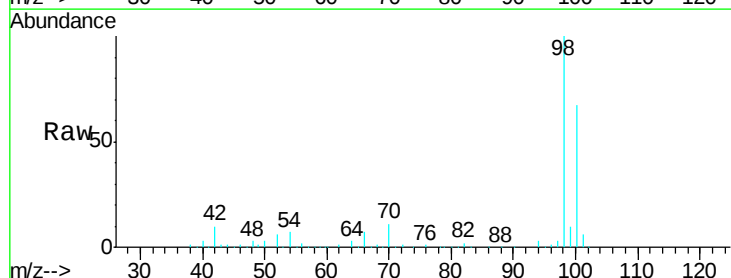
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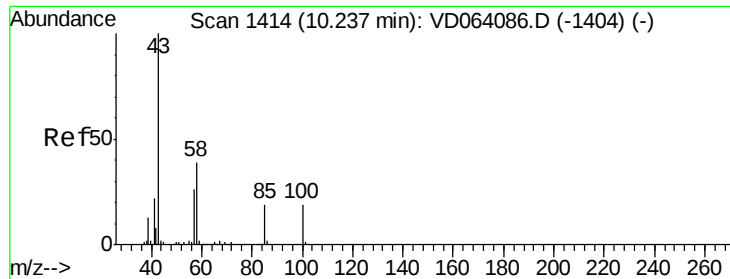
MMDadoda
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#50
Toluene-d8
Concen: 47.481 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 98 Resp: 393710
Ion Ratio Lower Upper
98 100
100 66.9 53.4 80.0





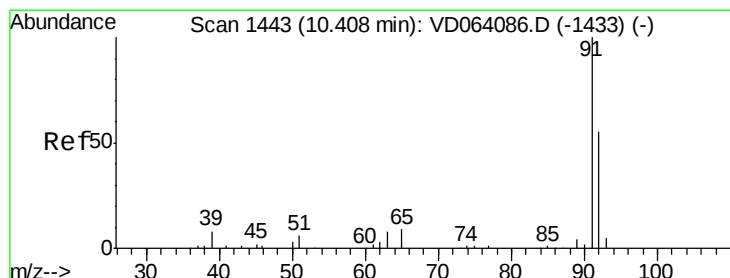
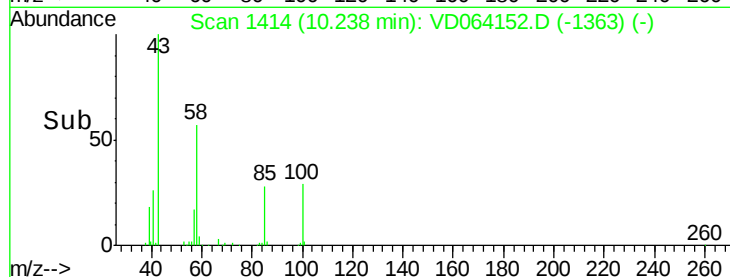
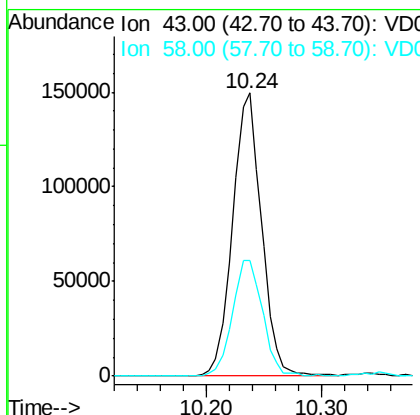
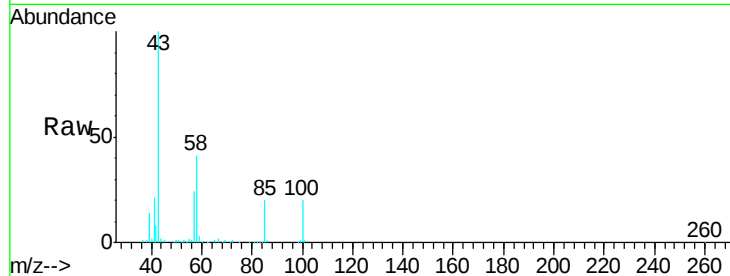
#51
4-Methyl-2-Pentanone
Concen: 242.930 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 259795
Ion Ratio Lower Upper
43 100
58 42.5 33.0 49.4

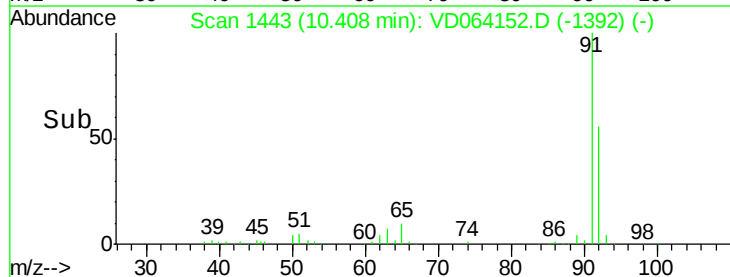
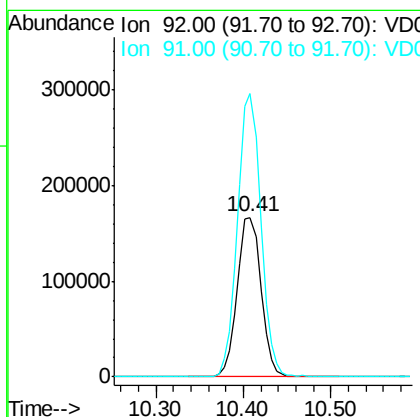
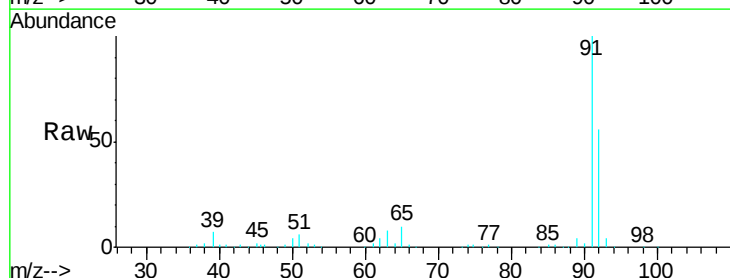
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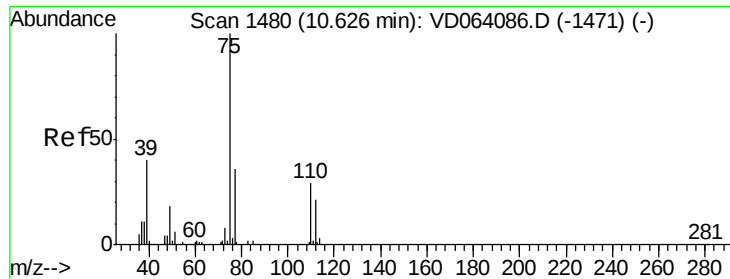
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#52
Toluene
Concen: 50.759 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 92 Resp: 306333
Ion Ratio Lower Upper
92 100
91 173.1 140.7 211.1





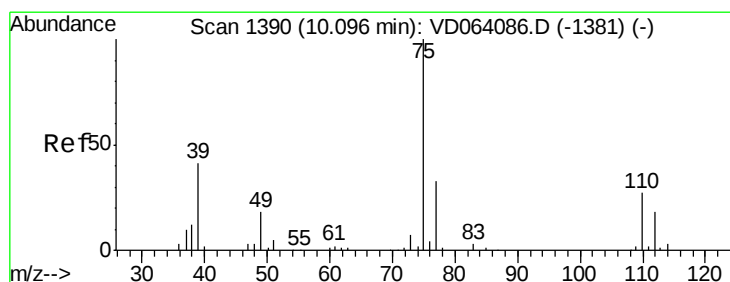
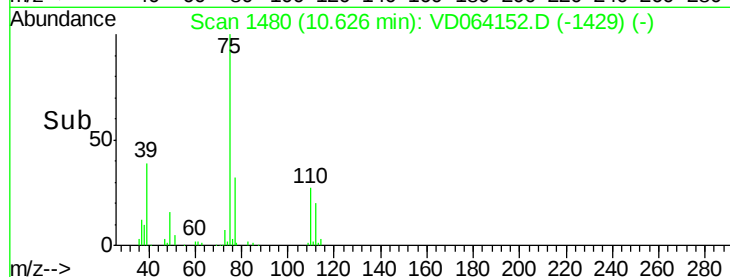
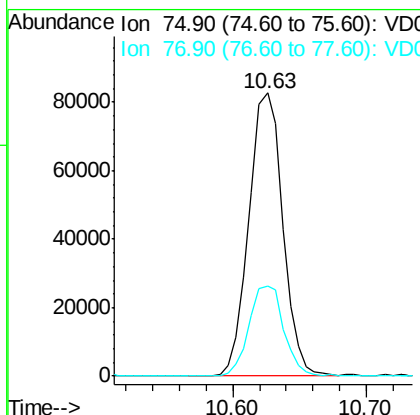
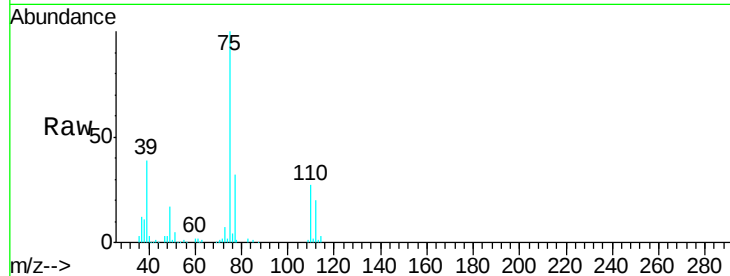
#53
 t-1,3-Dichloropropene
 Concen: 51.290 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 75 Resp: 145178
 Ion Ratio Lower Upper
 75 100
 77 31.7 28.7 43.1

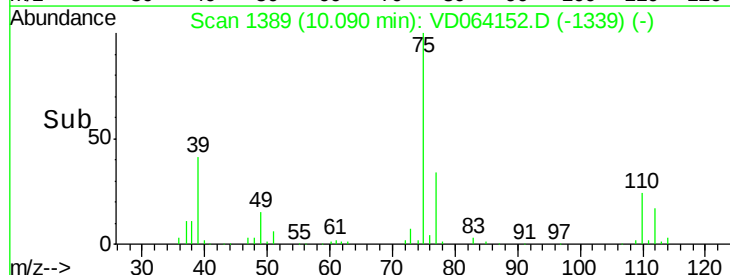
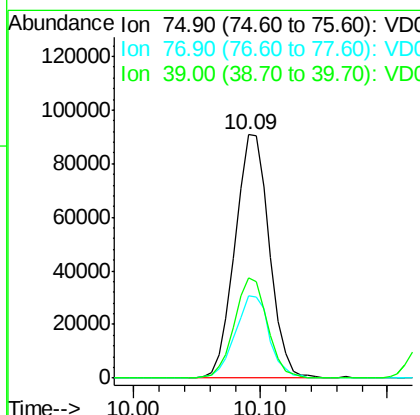
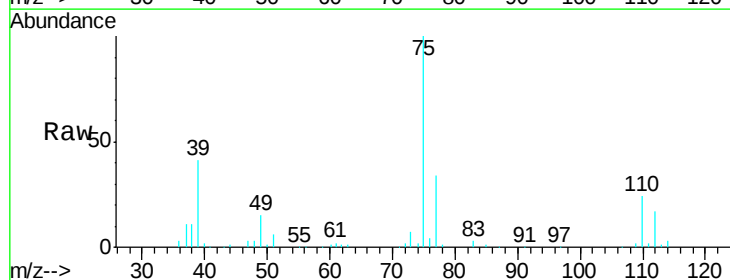
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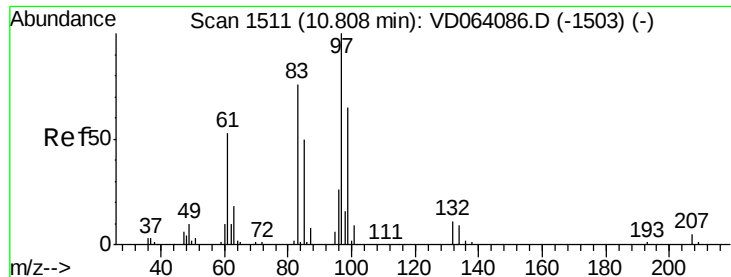
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 11/4/2019 11:51:07 AM



#54
 cis-1,3-Dichloropropene
 Concen: 51.218 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 75 Resp: 170565
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.8 40.2
 39 41.2 32.7 49.1





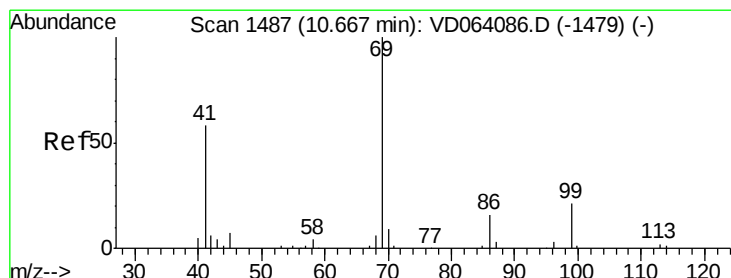
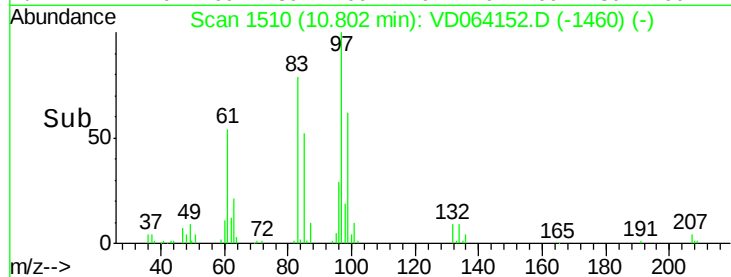
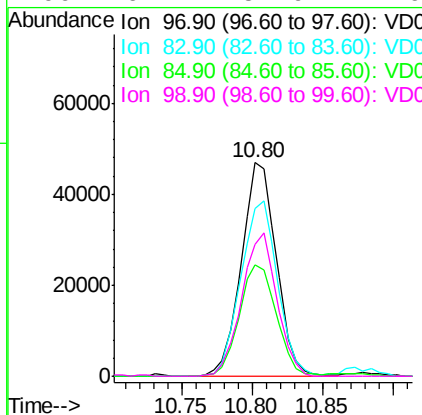
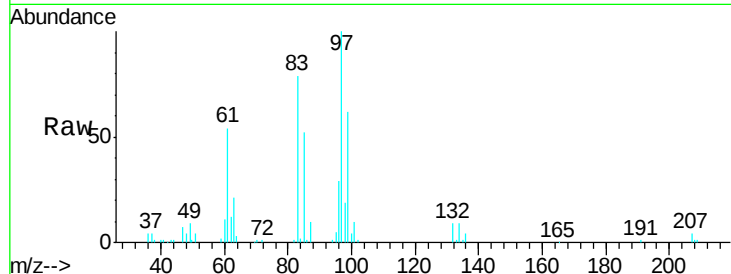
#55
 1,1,2-Trichloroethane
 Concen: 48.131 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion:	97	Resp:	82023
Ion	Ratio	Lower	Upper
97	100		
83	78.5	60.9	91.3
85	52.1	40.2	60.2
99	61.7	51.9	77.9

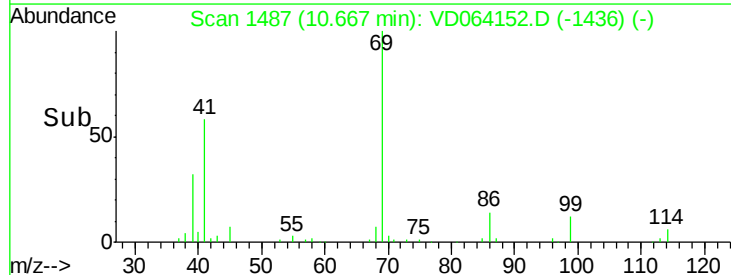
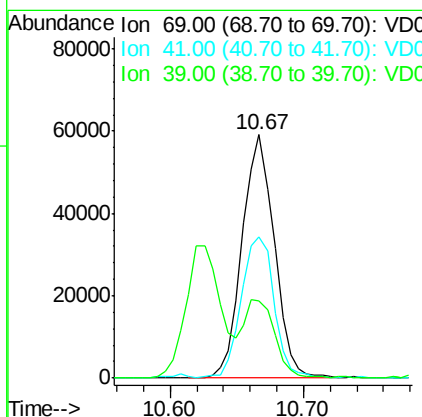
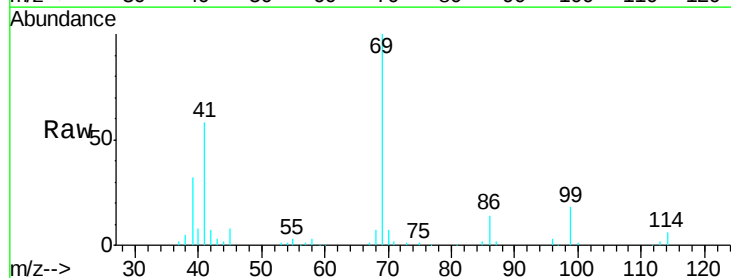
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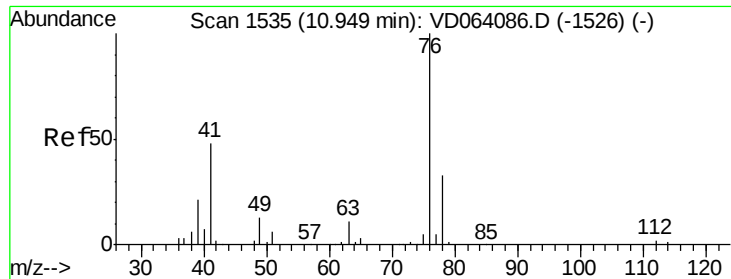
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#56
 Ethyl methacrylate
 Concen: 47.802 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion:	69	Resp:	98719
Ion	Ratio	Lower	Upper
69	100		
41	59.3	46.9	70.3
39	29.8	27.3	40.9





#57

1,3-Dichloropropane

Concen: 48.533 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 76 Resp: 136784

Ion Ratio Lower Upper

76 100

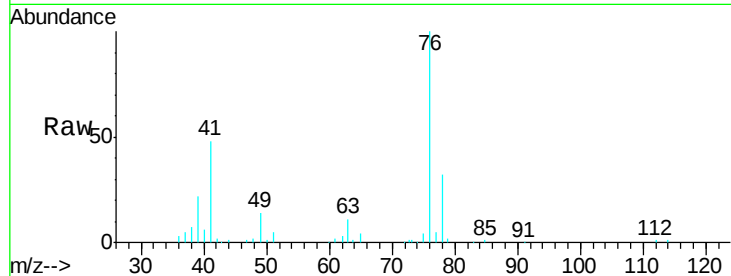
78 34.1 25.9 38.9

Manual Integrations

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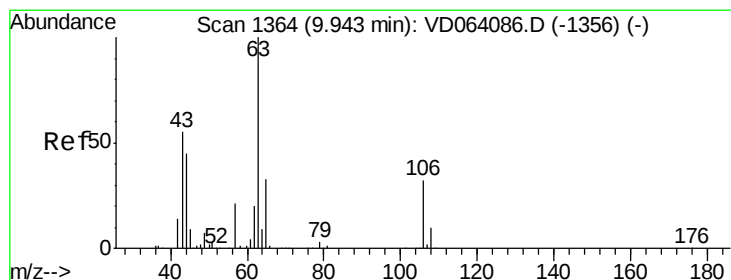
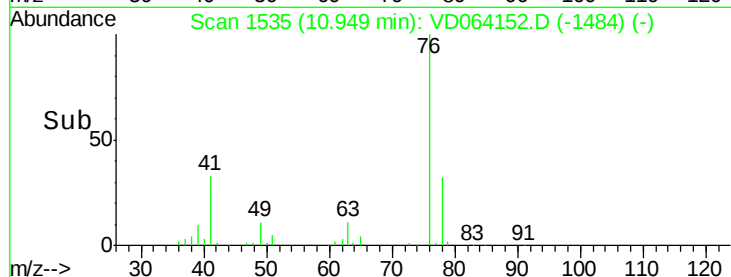
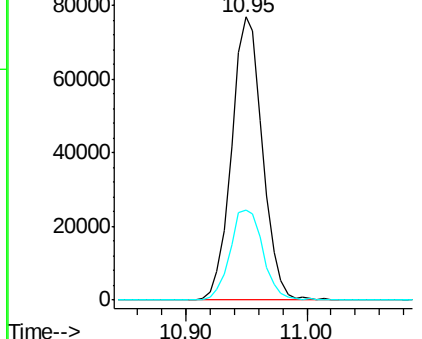
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 259.381 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD064152.D

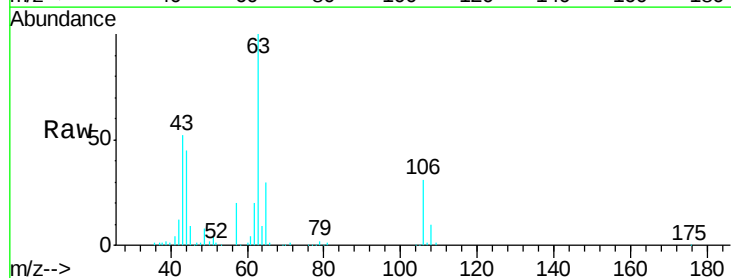
Acq: 01 Nov 2019 17:57

Tgt Ion: 63 Resp: 193653

Ion Ratio Lower Upper

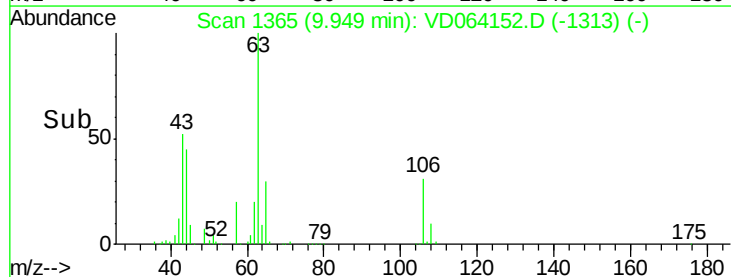
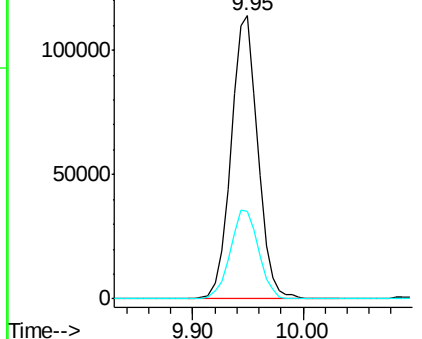
63 100

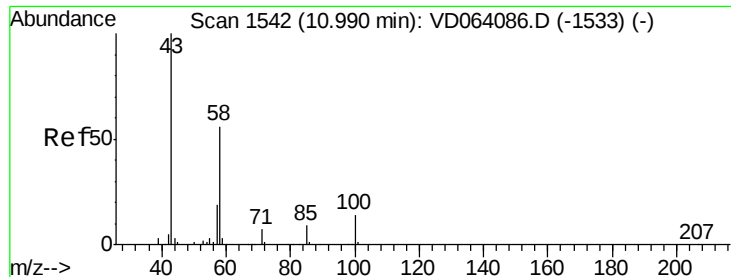
106 33.1 25.8 38.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





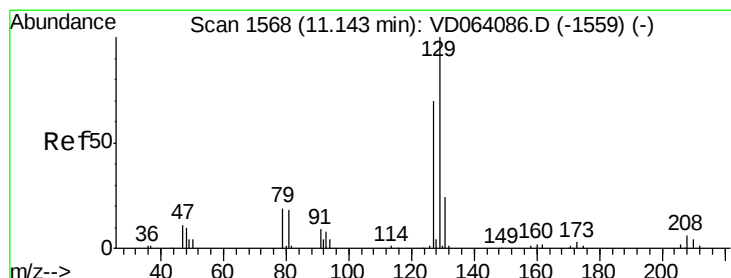
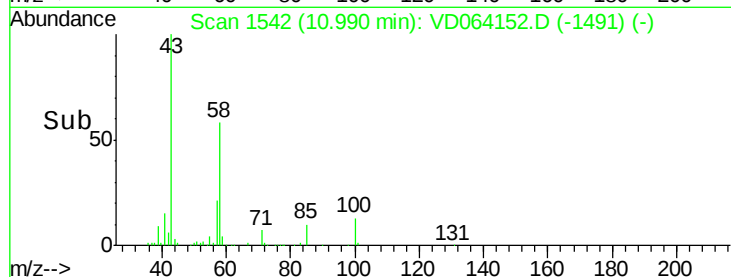
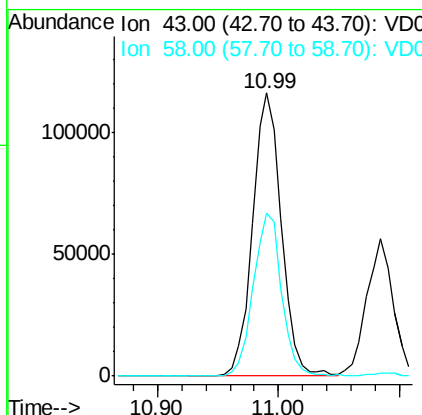
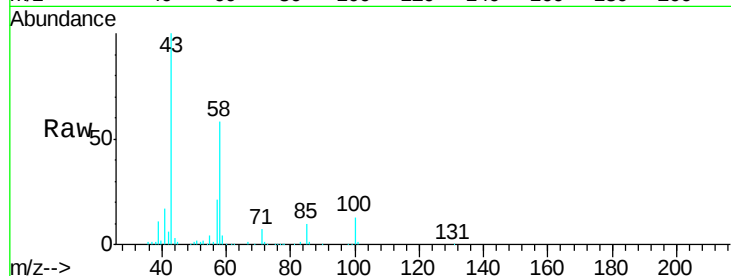
#59
2-Hexanone
Concen: 231.728 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 193688
Ion Ratio Lower Upper
43 100
58 56.8 29.2 87.6

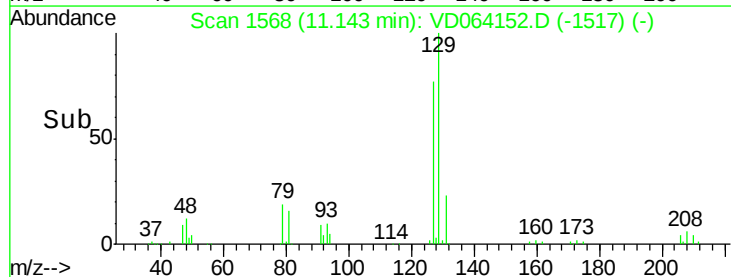
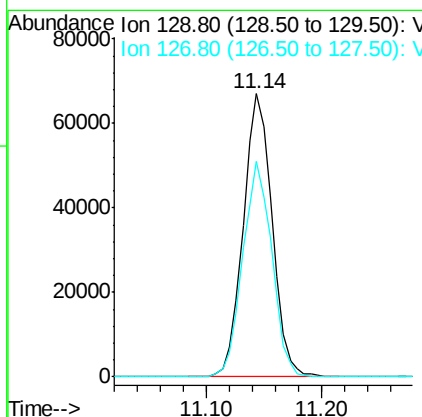
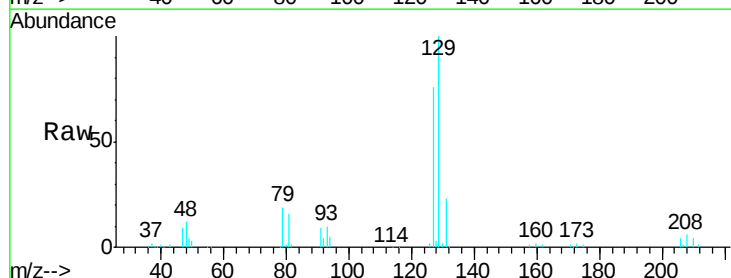
Manual Integrations
APPROVED

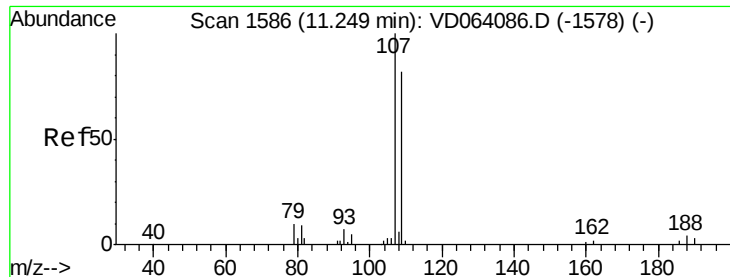
MMDadoda
11/4/2019 11:51:07 AM



#60
Dibromochloromethane
Concen: 50.411 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 129 Resp: 116601
Ion Ratio Lower Upper
129 100
127 76.4 38.3 114.8





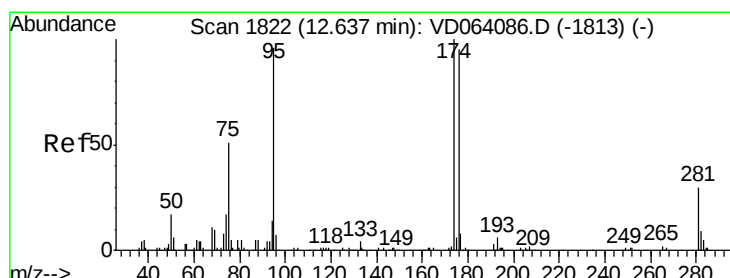
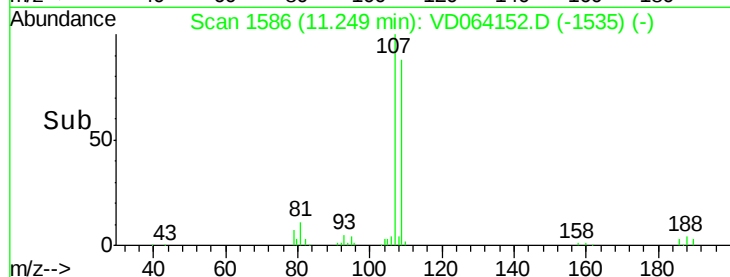
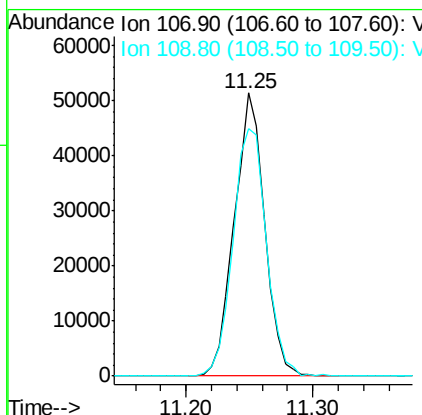
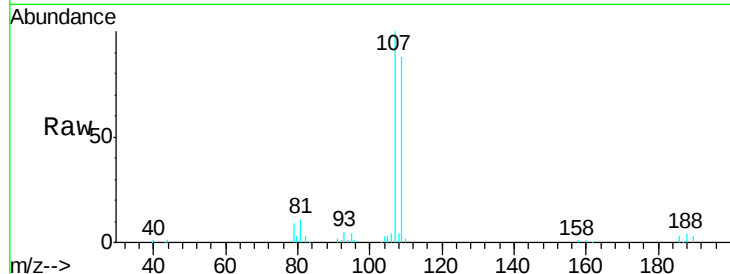
#61
1,2-Dibromoethane
Concen: 49.914 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 107 Resp: 85074
Ion Ratio Lower Upper
107 100
109 96.2 73.0 109.4

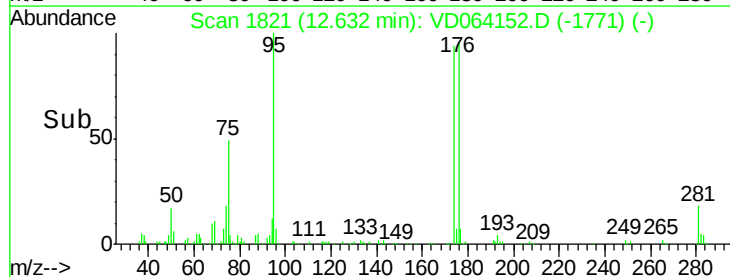
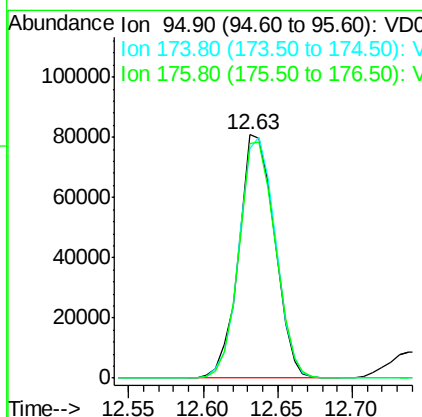
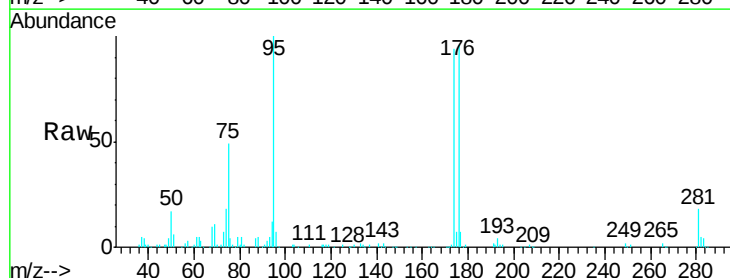
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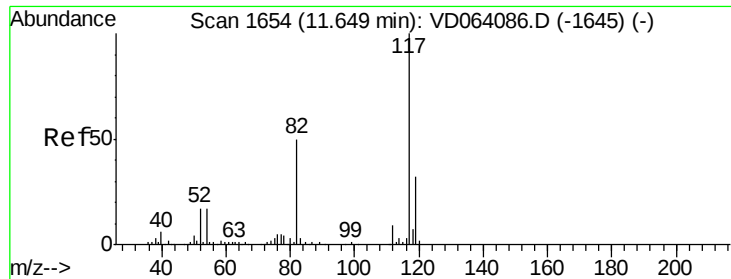
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11/4/2019 11:51:07 AM



#62
4-Bromofluorobenzene
Concen: 49.104 ug/l
RT: 12.63 min Scan# 1821
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion: 95 Resp: 134990
Ion Ratio Lower Upper
95 100
174 99.9 0.0 201.6
176 97.8 0.0 192.6





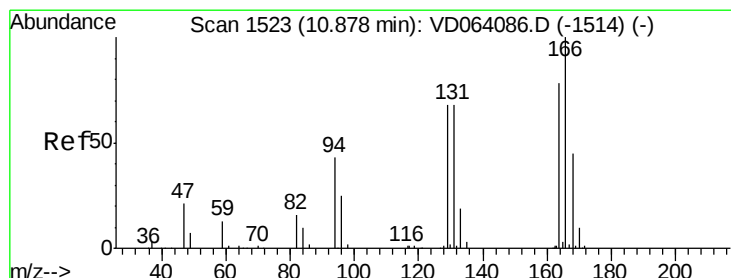
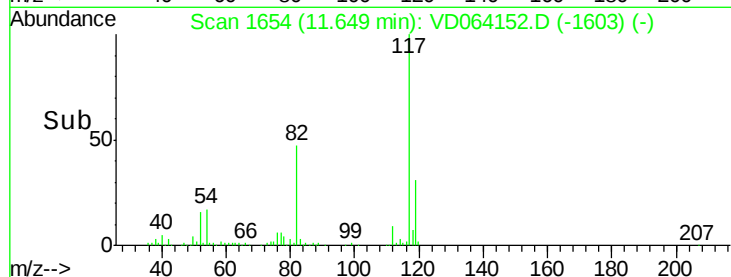
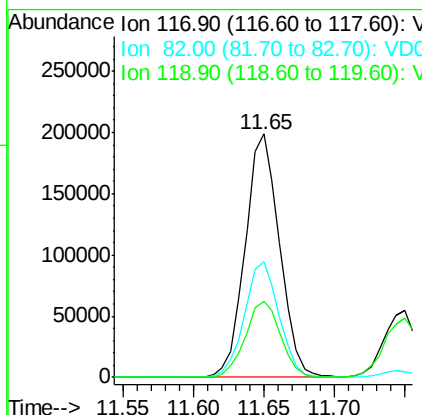
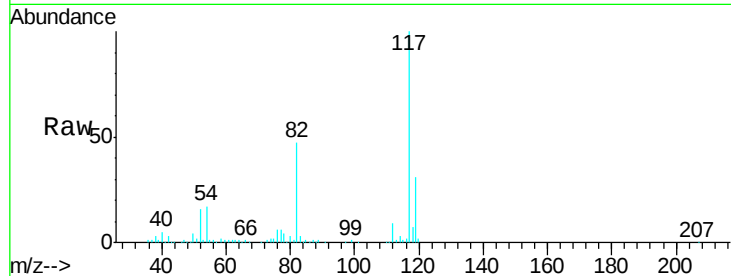
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	339187		
82	47.5	40.2	60.4	
119	31.2	26.0	39.0	

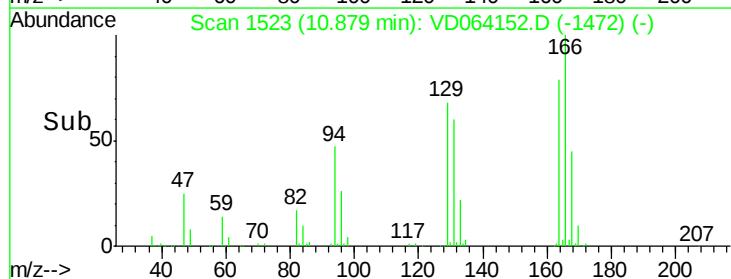
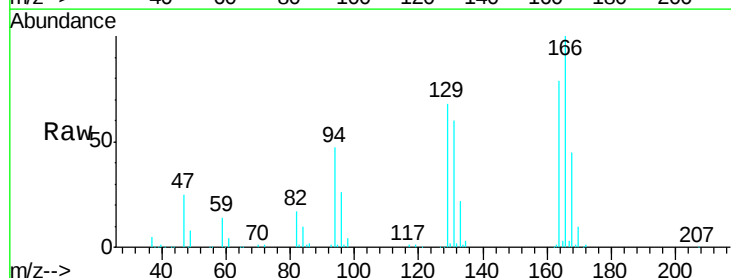
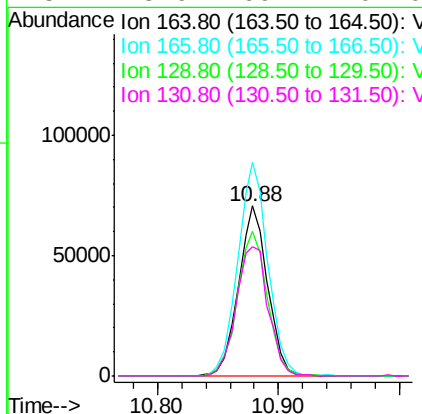
Manual Integrations
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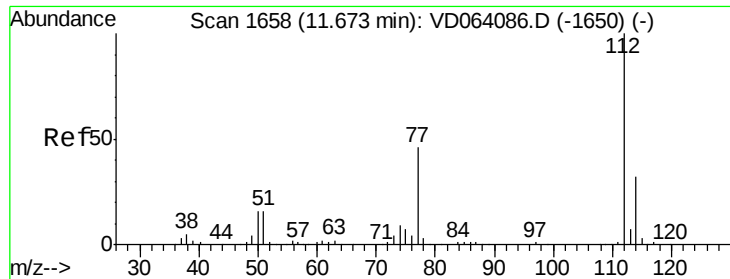
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#64
Tetrachloroethene
Concen: 48.660 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	118572		
166	125.8	102.7	154.1	
129	85.2	69.8	104.6	
131	75.9	69.4	104.0	





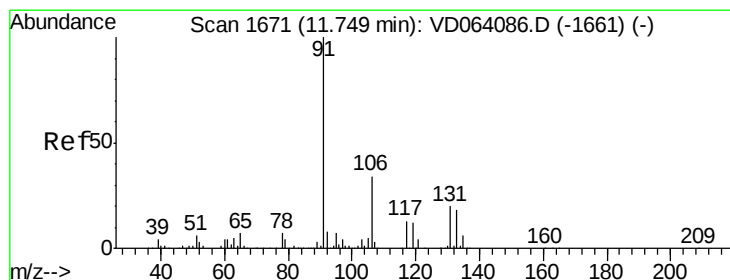
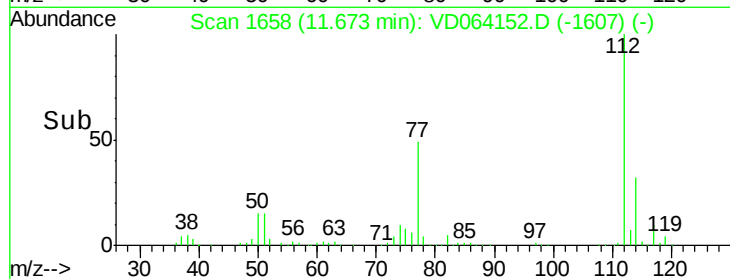
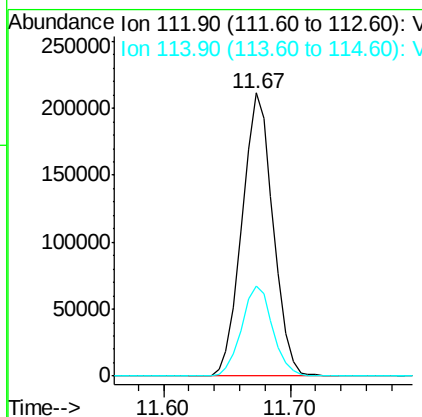
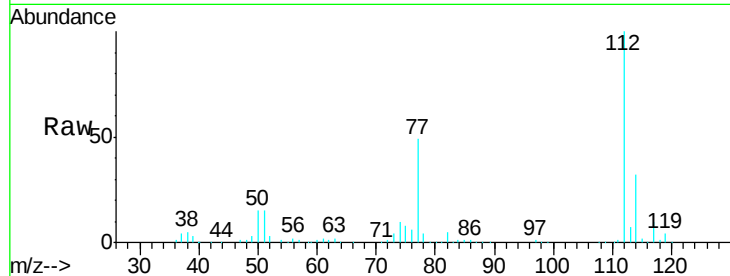
#65
Chlorobenzene
Concen: 51.308 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 359585
Ion Ratio Lower Upper
112 100
114 32.0 25.4 38.0

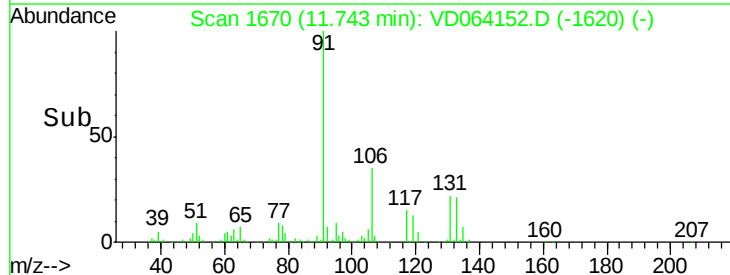
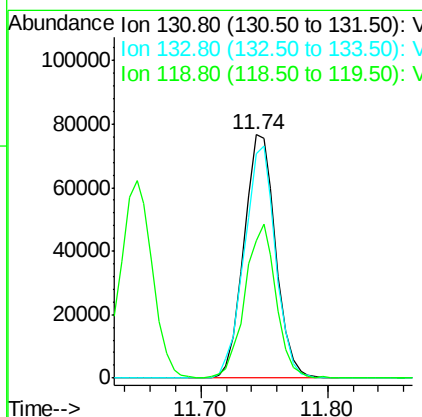
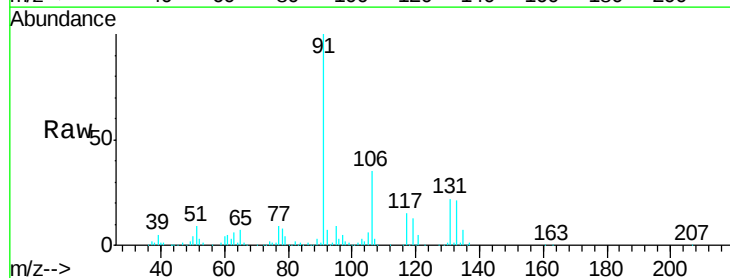
Manual Integrations
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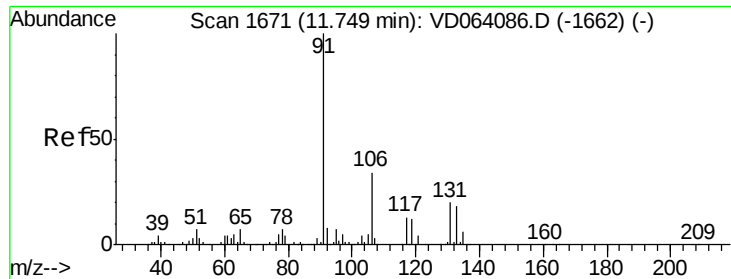
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.796 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion:131 Resp: 133208
Ion Ratio Lower Upper
131 100
133 94.4 47.6 142.9
119 62.4 31.4 94.3





#67

Ethyl Benzene

Concen: 49.463 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 91 Resp: 616577

Ion Ratio Lower Upper

91 100

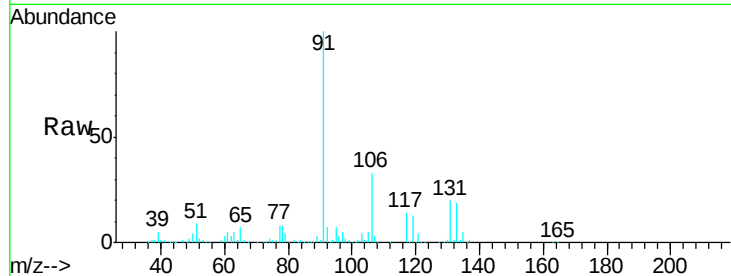
106 33.0 27.0 40.6

Manual Integrations

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC

500000

400000

300000

200000

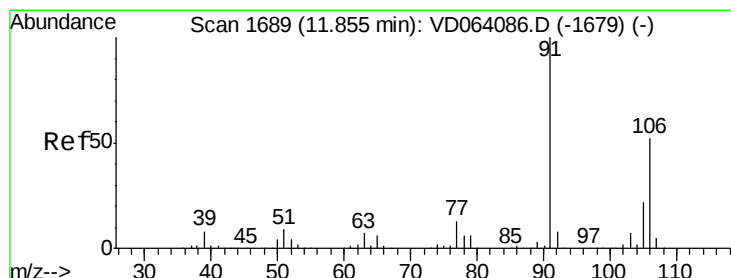
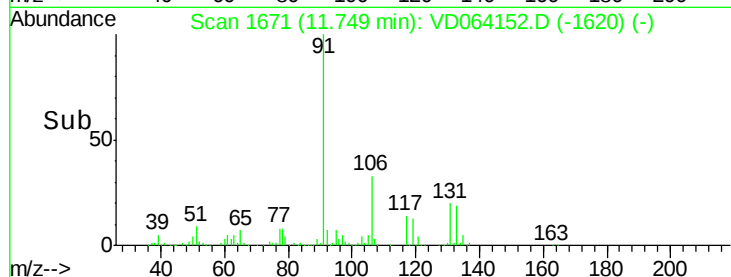
100000

0

11.75

11.80

Time-->



#68

m/p-Xylenes

Concen: 102.324 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064152.D

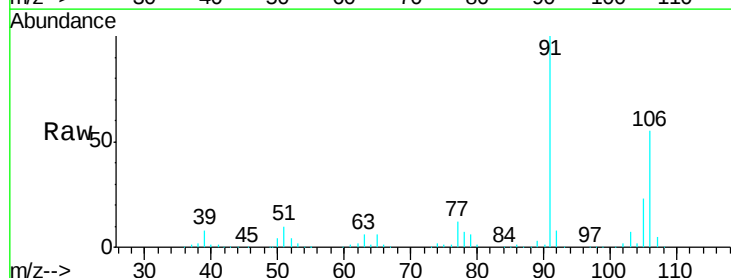
Acq: 01 Nov 2019 17:57

Tgt Ion: 106 Resp: 513048

Ion Ratio Lower Upper

106 100

91 185.8 154.0 231.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

500000

400000

300000

200000

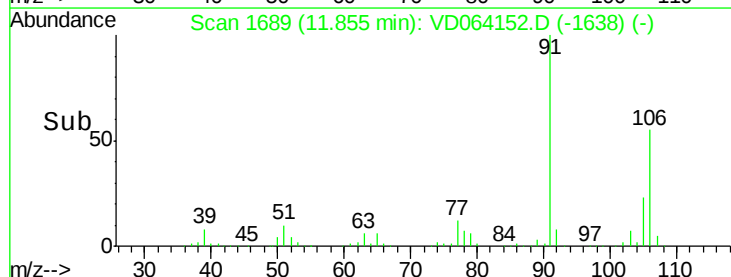
100000

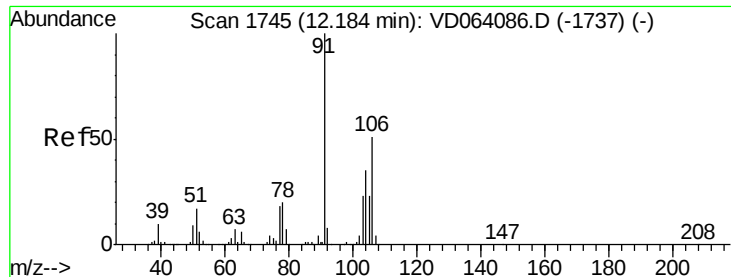
0

11.86

11.90

Time-->





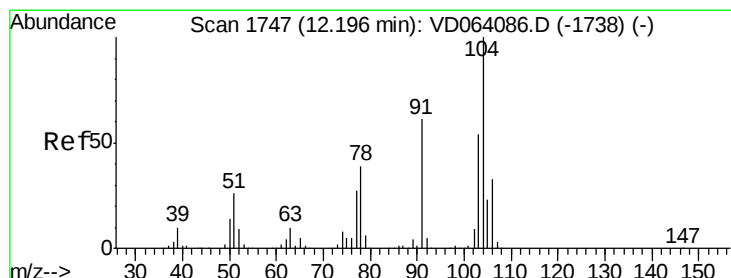
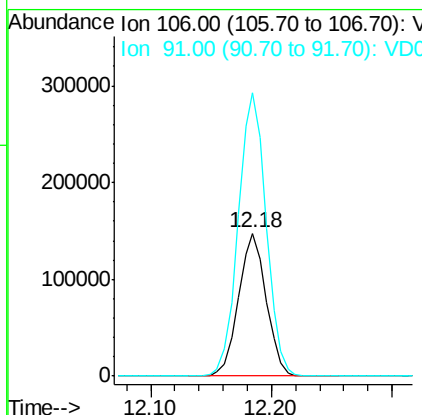
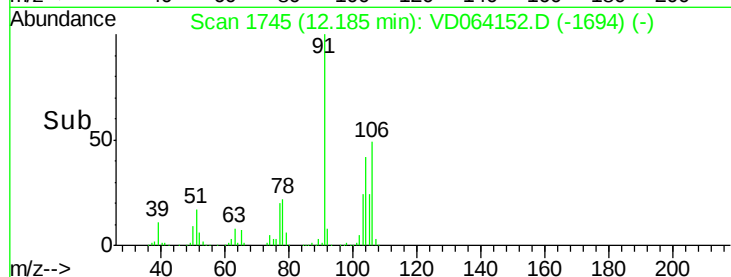
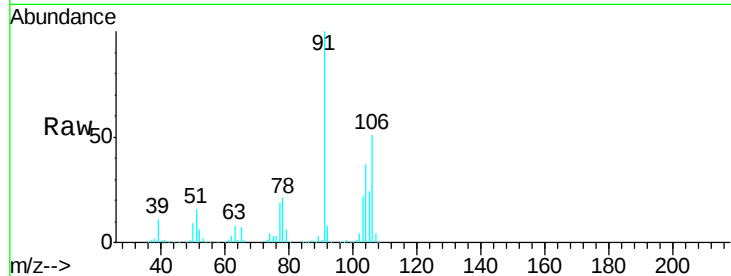
#69
o-Xylene
Concen: 51.637 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 236285
Ion Ratio Lower Upper
106 100
91 199.4 100.6 301.9

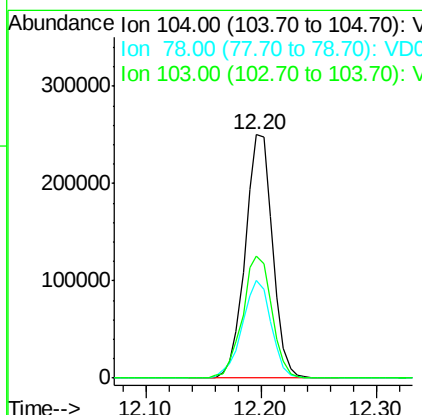
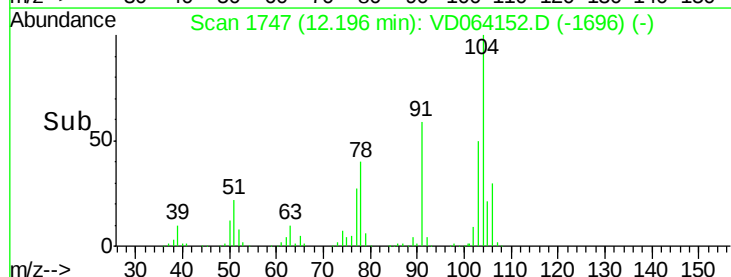
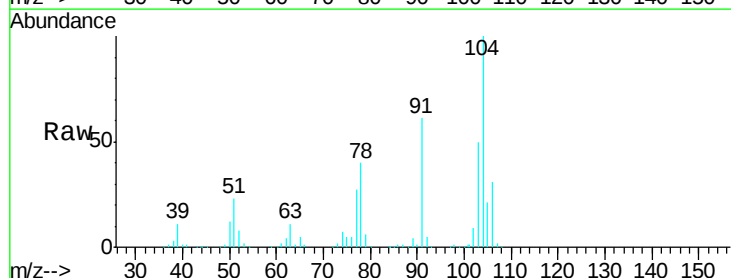
Manual Integrations
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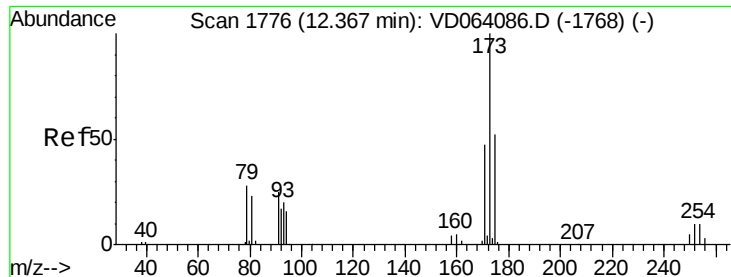
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11/4/2019 11:51:07 AM



#70
Styrene
Concen: 52.301 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion:104 Resp: 412755
Ion Ratio Lower Upper
104 100
78 42.8 34.6 51.8
103 53.6 44.2 66.2





#71

Bromoform

Concen: 49.929 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

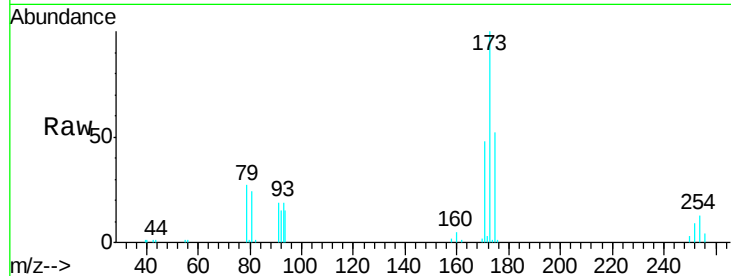
ClientSampleId :

VSTDCCC050EC

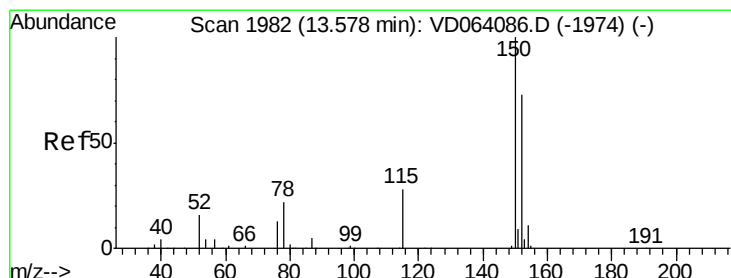
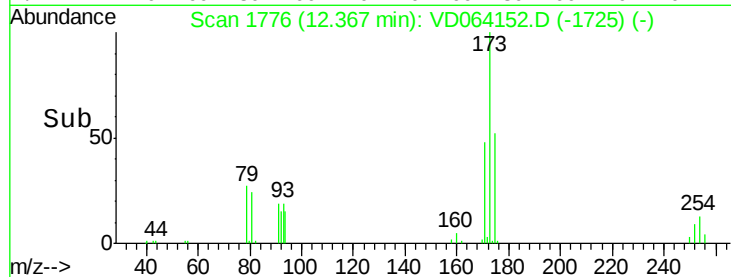
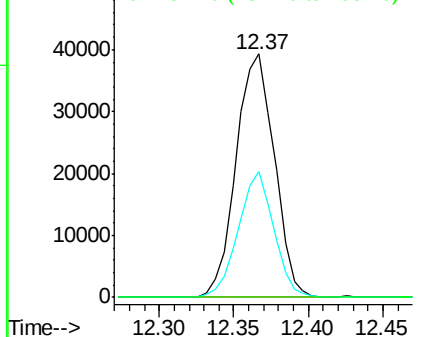
Tgt Ion:	173	Resp:	69928
Ion Ratio	Lower	Upper	
173	100		
175	48.0	24.3	72.9
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

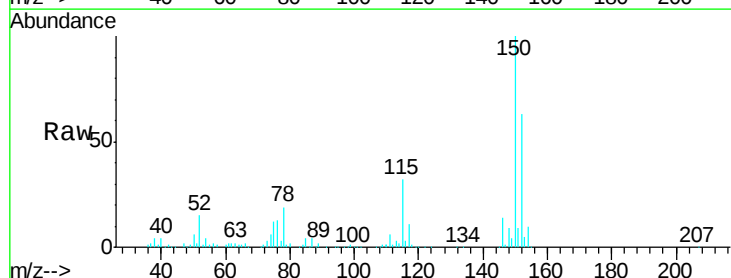
RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

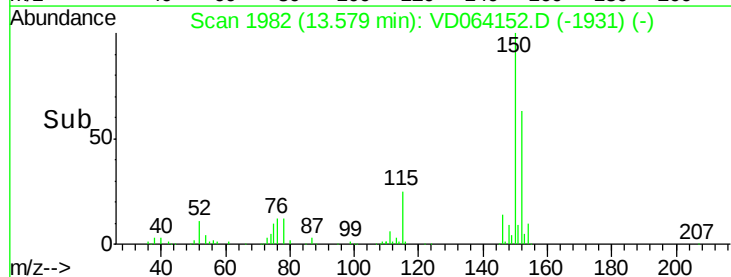
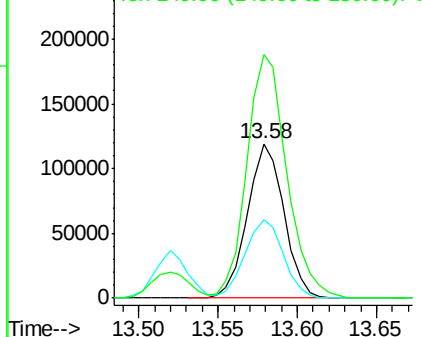
Lab File: VD064152.D

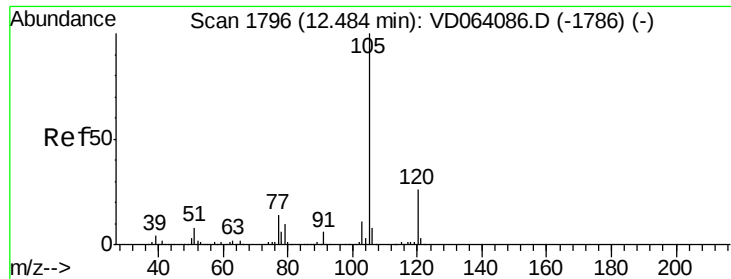
Acq: 01 Nov 2019 17:57

Tgt Ion:	152	Resp:	190247
Ion Ratio	Lower	Upper	
152	100		
115	53.2	26.2	78.6
150	173.1	0.0	338.8



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: 48.254 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion: 105 Resp: 637932

Ion Ratio Lower Upper

105 100

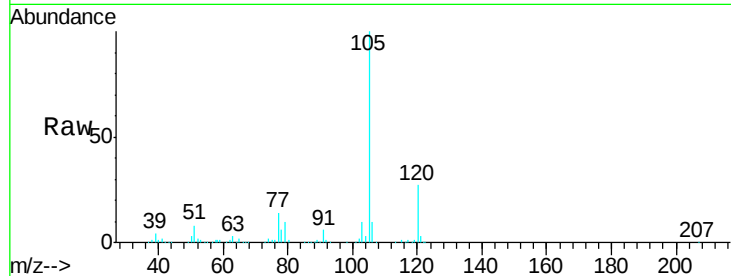
120 27.1 13.3 39.9

Manual Integrations

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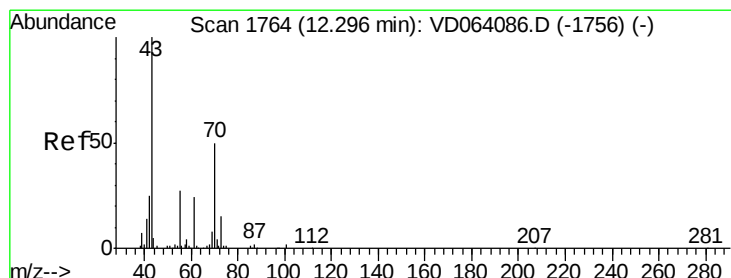
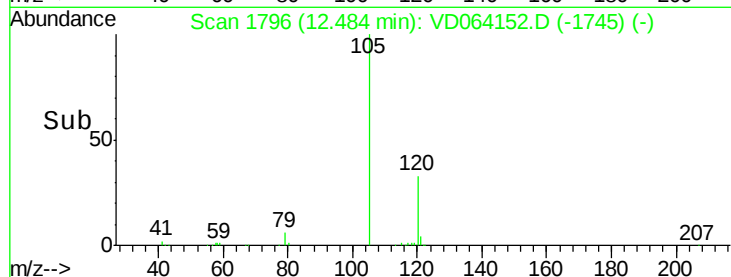
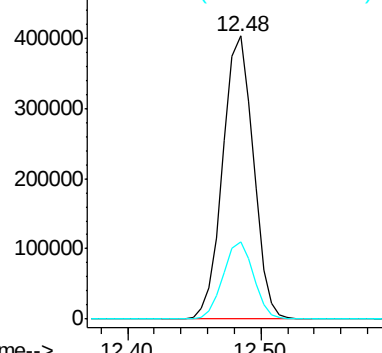
MMDadoda

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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: 47.375 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion: 43 Resp: 104049

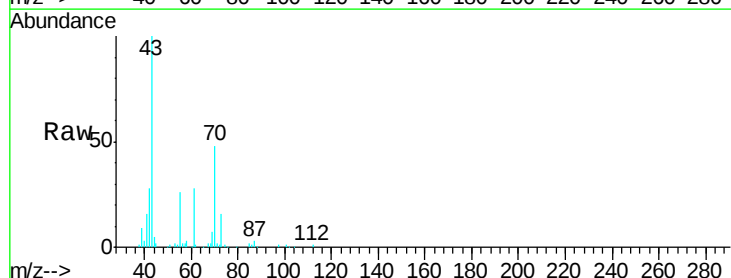
Ion Ratio Lower Upper

43 100

70 47.2 38.6 58.0

55 28.0 20.4 30.6

61 26.8 20.8 31.2

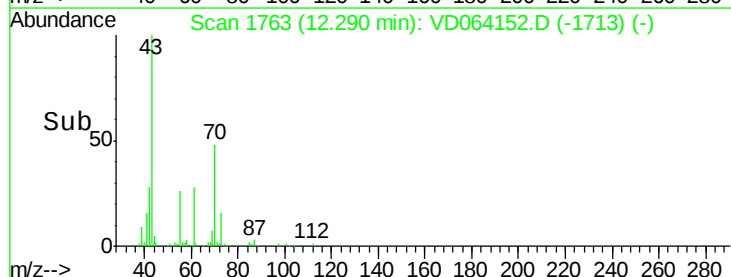
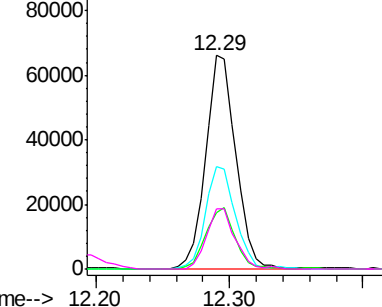


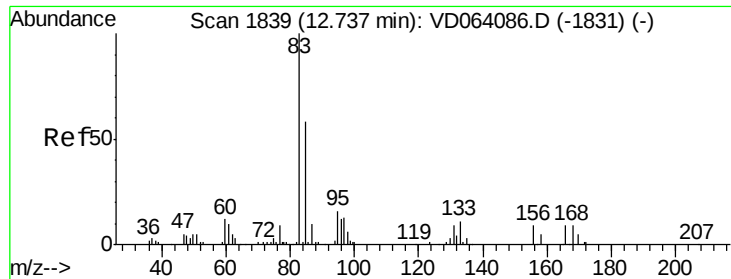
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 45.863 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

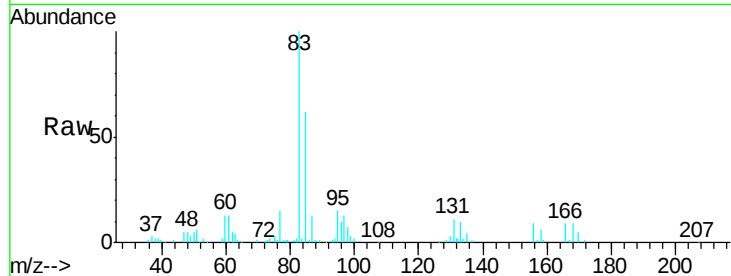
ClientSampleId :

VSTDCCC050EC

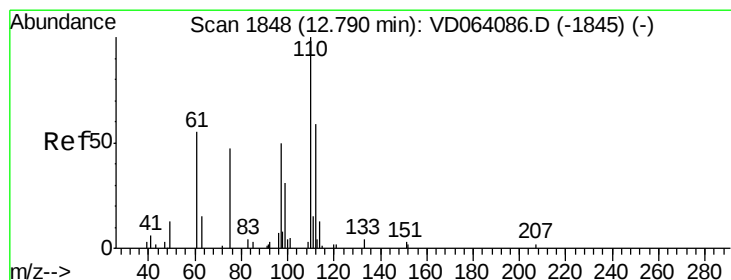
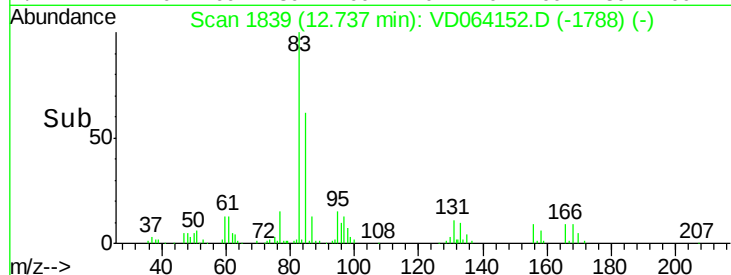
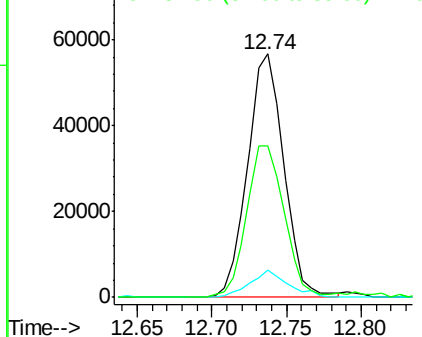
Tgt Ion:	83	Resp:	95569
Ion Ratio	Lower	Upper	
83	100		
131	11.5	5.7	17.0
85	64.5	32.1	96.5

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



#76

1,2,3-Trichloropropane

Concen: 53.225 ug/l m

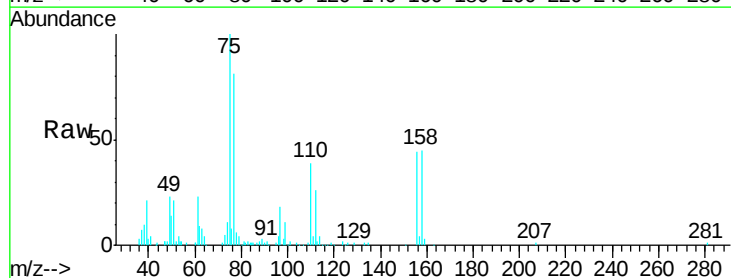
RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

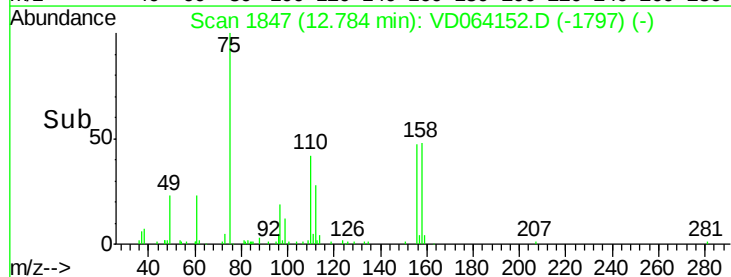
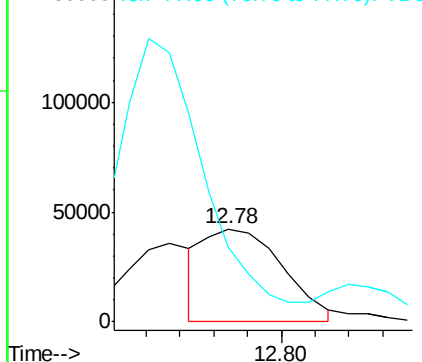
Lab File: VD064152.D

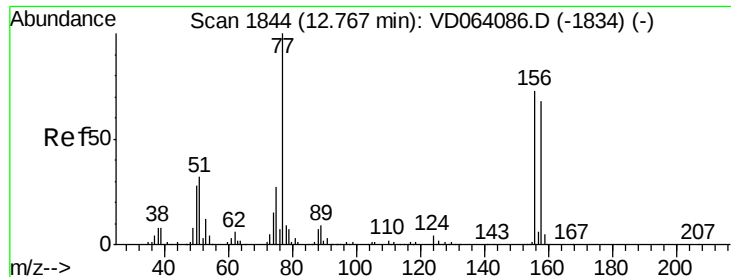
Acq: 01 Nov 2019 17:57

Tgt Ion:	75	Resp:	68040
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



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





#77

Bromobenzene

Concen: 49.694 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

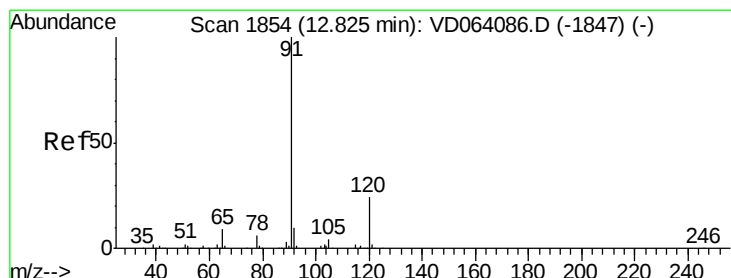
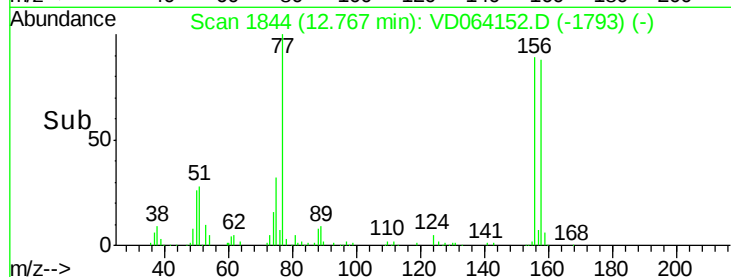
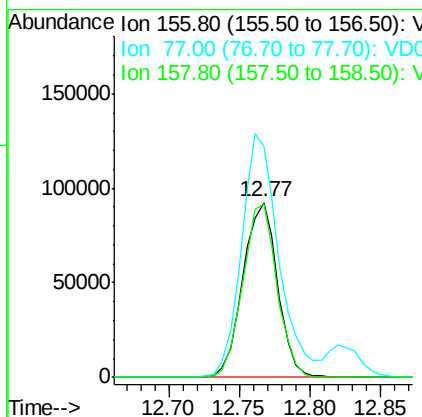
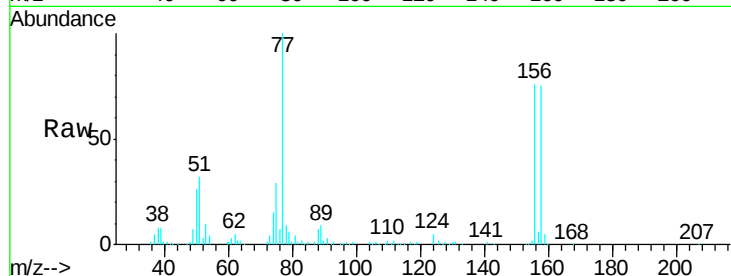
ClientSampleId :

VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
156	100		
77	149.6	76.0	228.0
158	97.6	47.6	142.8

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#78

n-propylbenzene

Concen: 48.812 ug/l

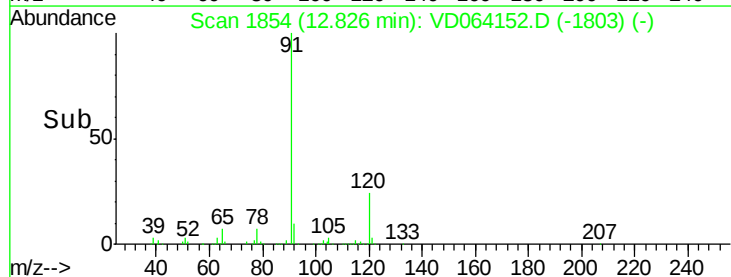
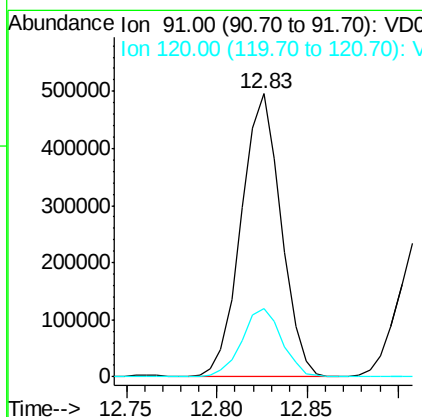
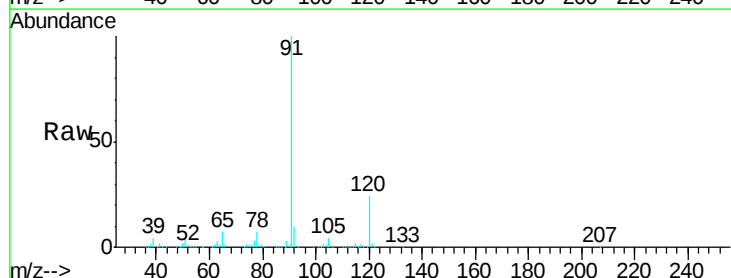
RT: 12.83 min Scan# 1854

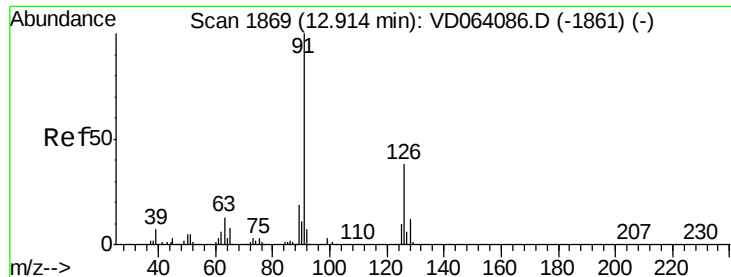
Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	12.1	36.3





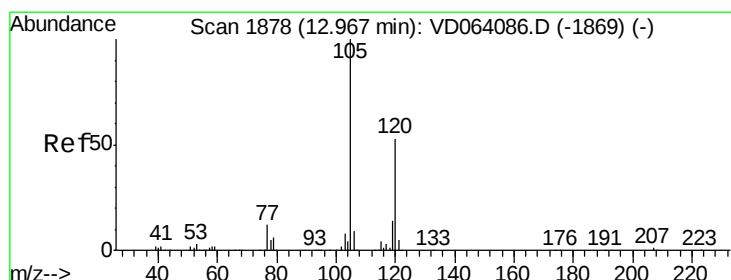
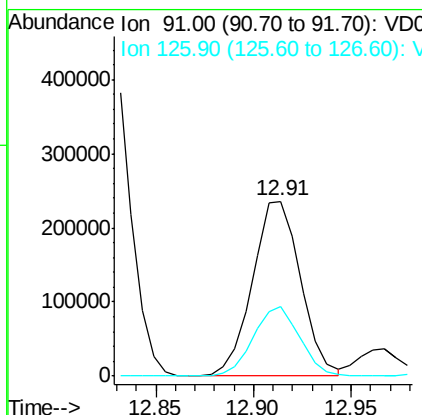
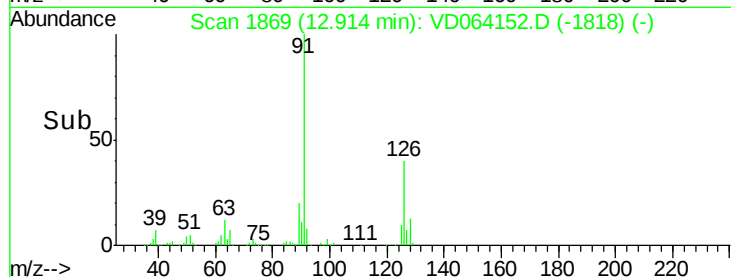
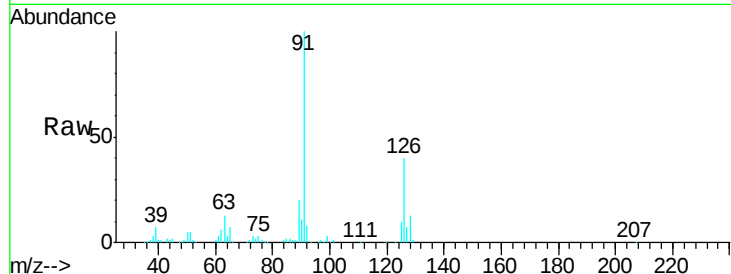
#79
 2-Chlorotoluene
 Concen: 48.528 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion: 91 Resp: 403019
 Ion Ratio Lower Upper
 91 100
 126 38.5 19.1 57.1

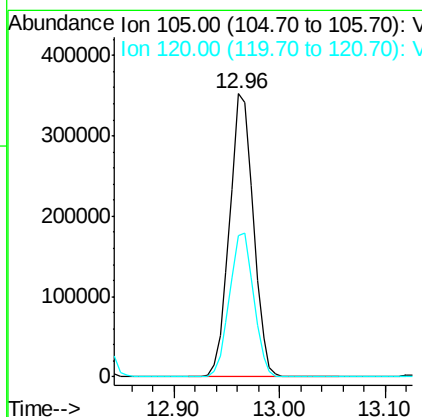
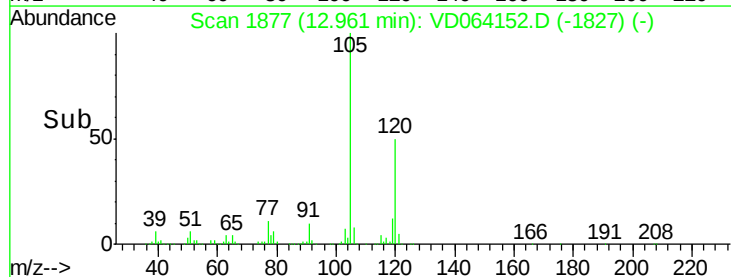
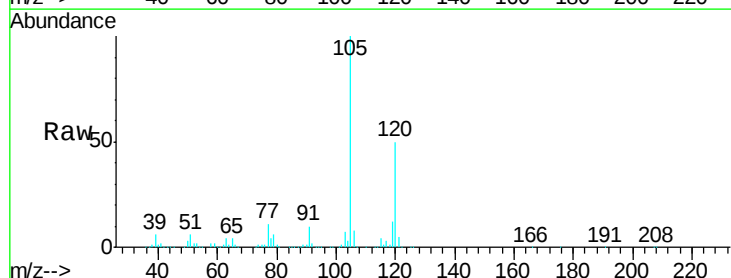
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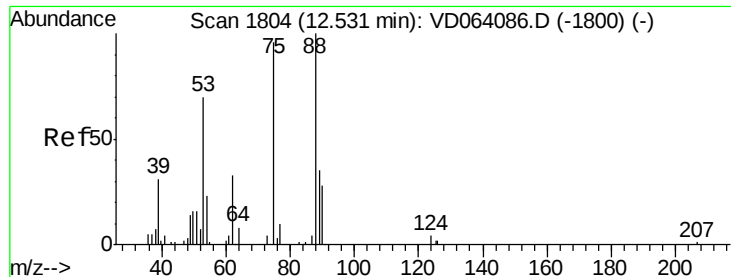
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#80
 1,3,5-Trimethylbenzene
 Concen: 49.569 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion: 105 Resp: 548447
 Ion Ratio Lower Upper
 105 100
 120 51.5 25.8 77.4





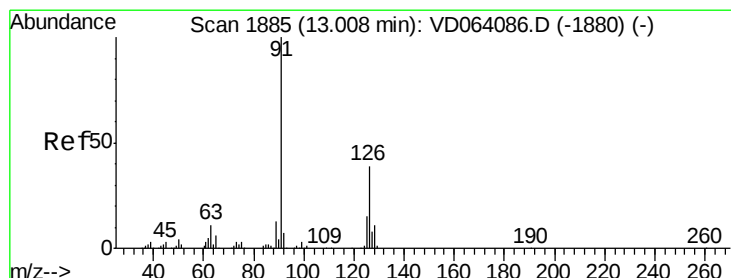
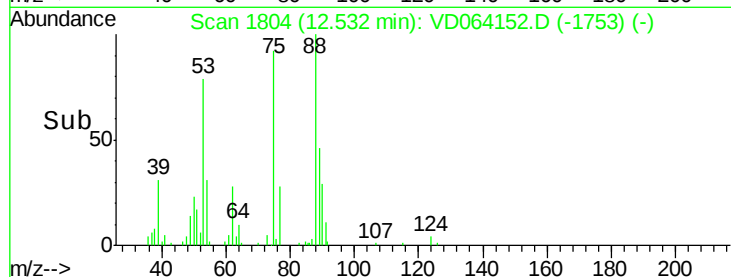
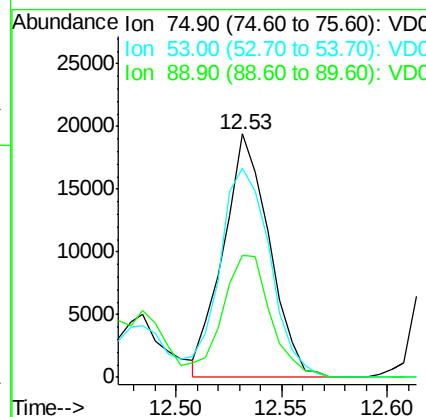
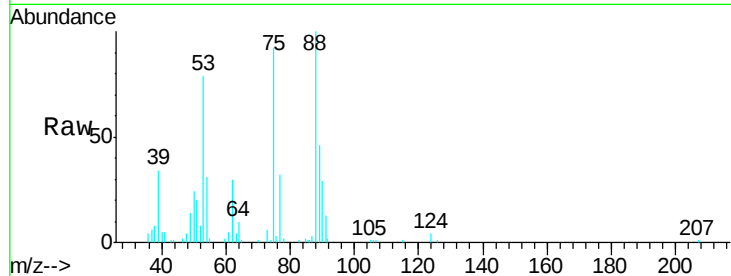
#81
trans-1,4-Dichloro-2-butene
Concen: 46.697 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
75	100		
53	94.8	68.6	103.0
89	53.1	36.9	55.3

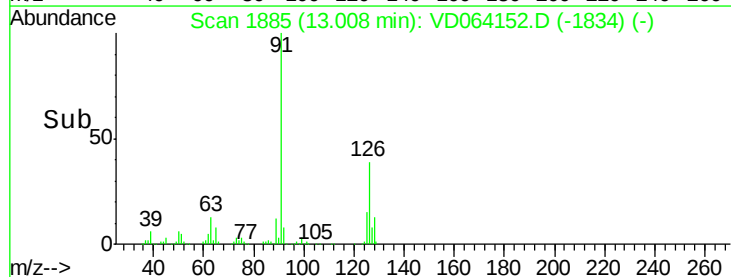
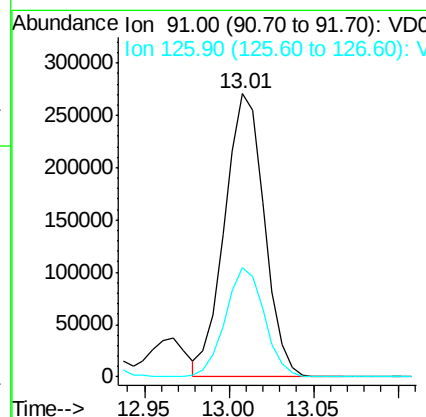
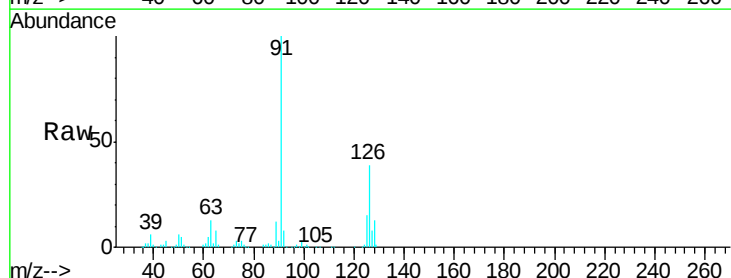
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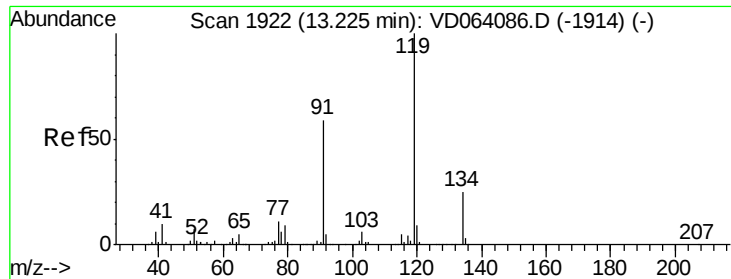
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#82
4-Chlorotoluene
Concen: 49.821 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
91	100		
126	38.0	18.9	56.5





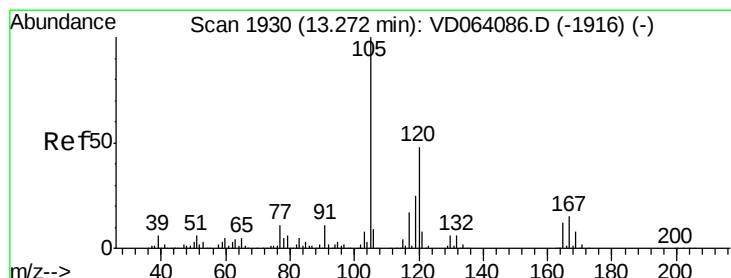
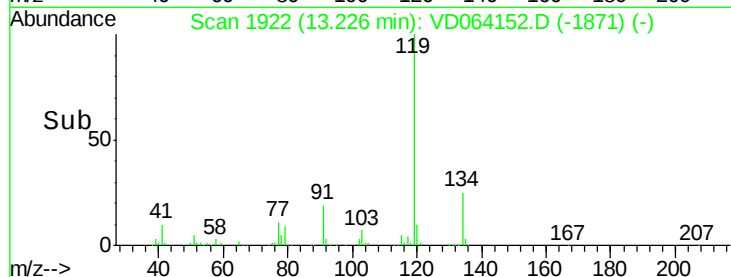
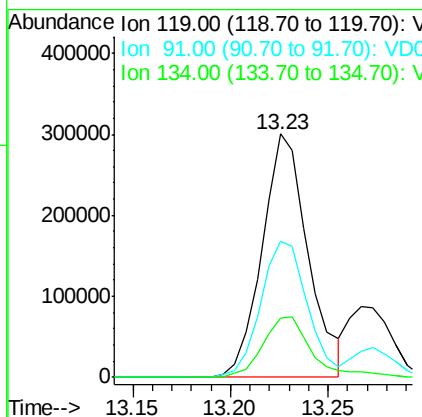
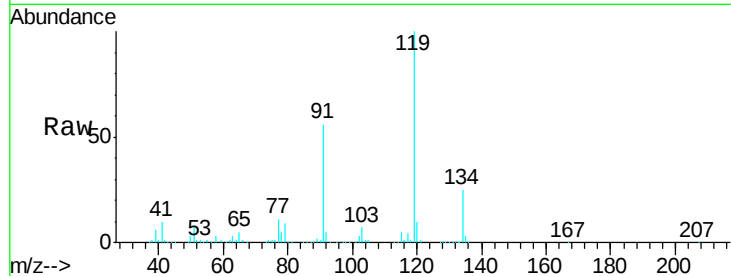
#83
tert-Butylbenzene
Concen: 49.249 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
119	100	489422		
91	56.8	28.3	85.0	
134	26.6	12.9	38.6	

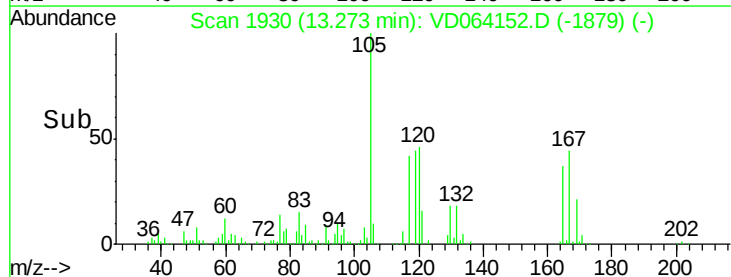
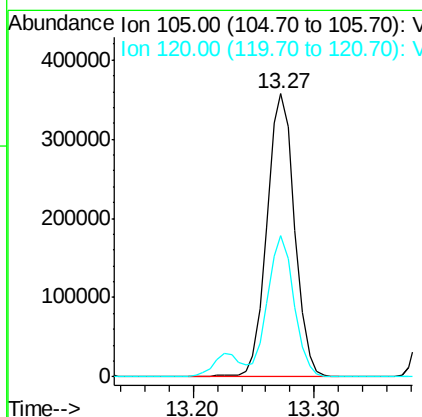
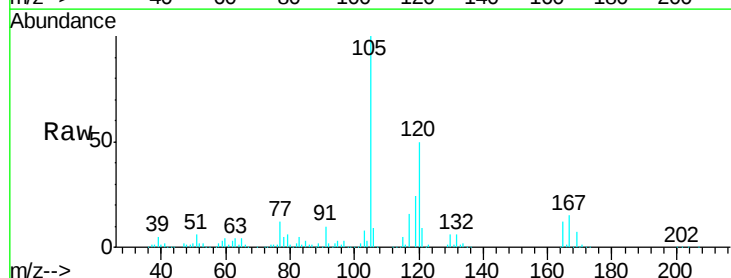
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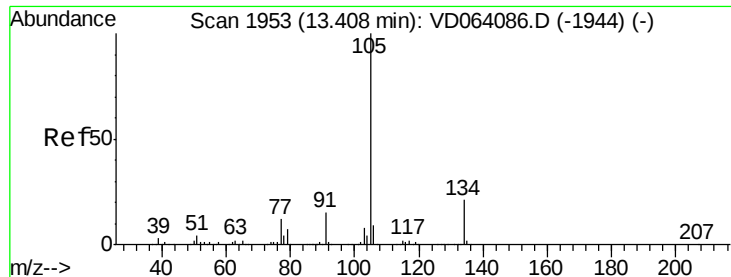
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#84
1,2,4-Trimethylbenzene
Concen: 51.244 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	569564		
120	48.0	24.1	72.4	





#85

sec-Butylbenzene

Concen: 49.313 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tgt Ion:105 Resp: 672992

Ion Ratio Lower Upper

105 100

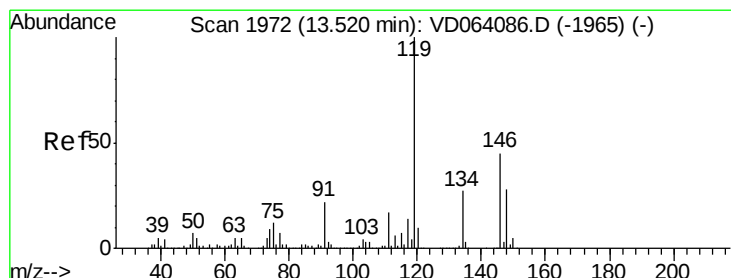
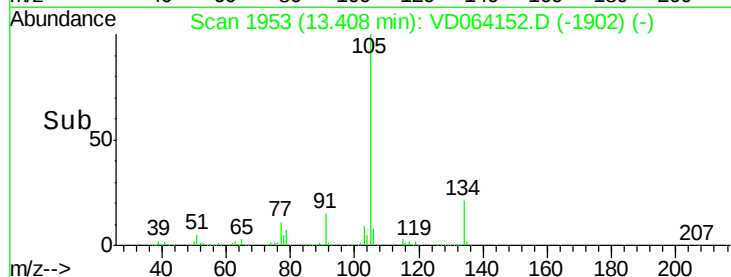
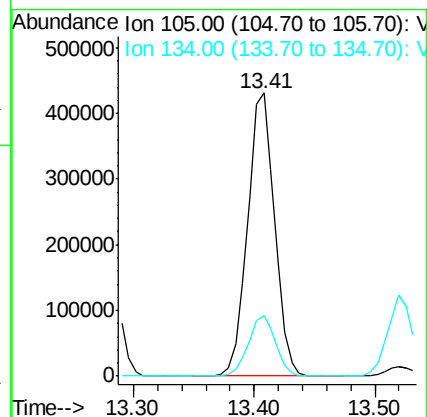
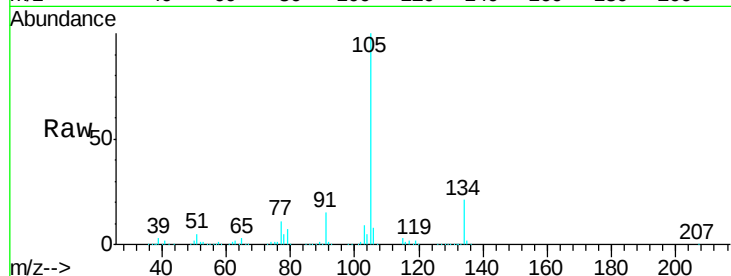
134 21.4 10.4 31.2

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#86

p-Isopropyltoluene

Concen: 50.821 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

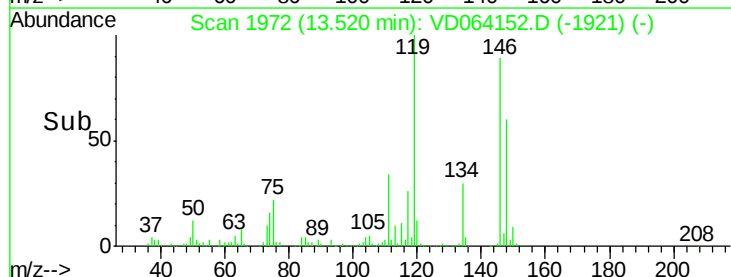
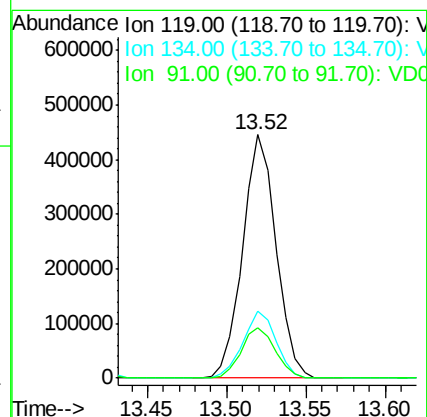
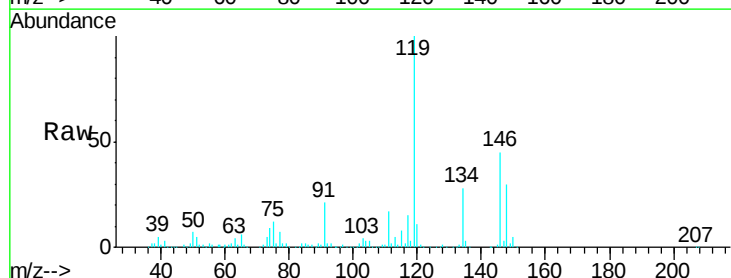
Tgt Ion:119 Resp: 651663

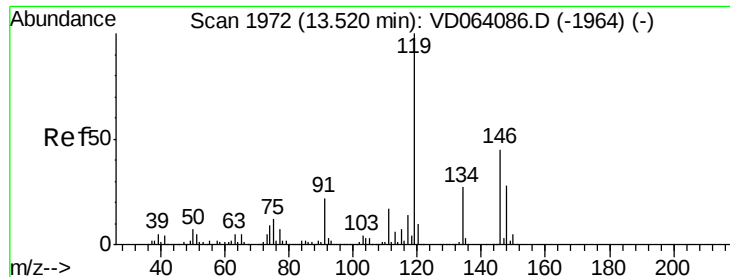
Ion Ratio Lower Upper

119 100

134 27.3 13.6 40.8

91 21.3 10.9 32.6





#87

1,3-Dichlorobenzene

Concen: 51.085 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

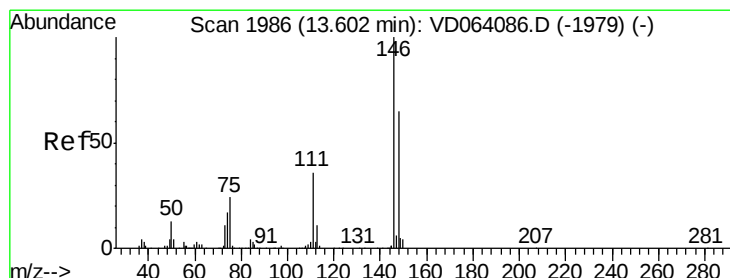
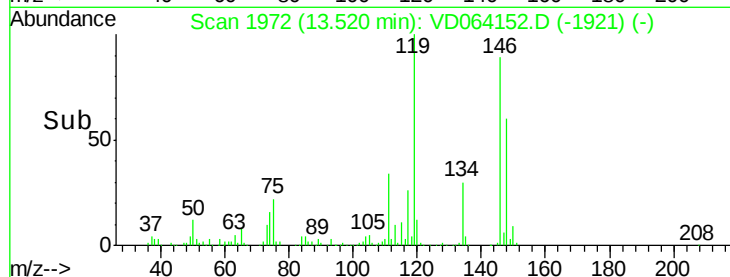
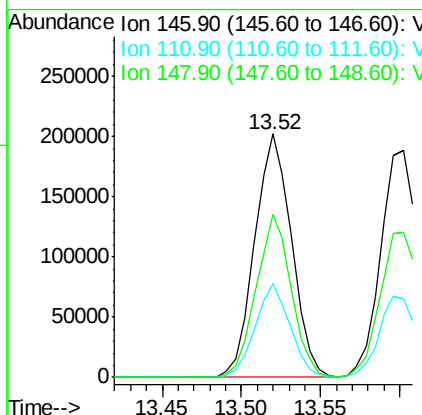
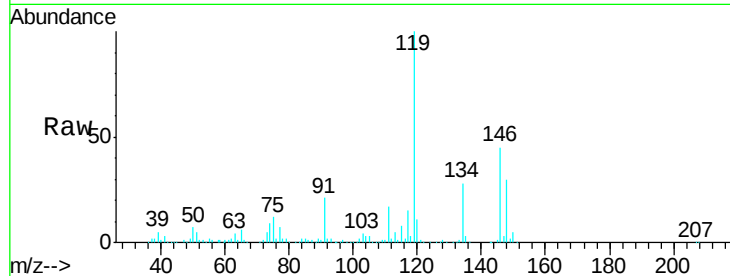
Instrument :
MSVOA_D

ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.9	56.9
148	63.9	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 49.901 ug/l

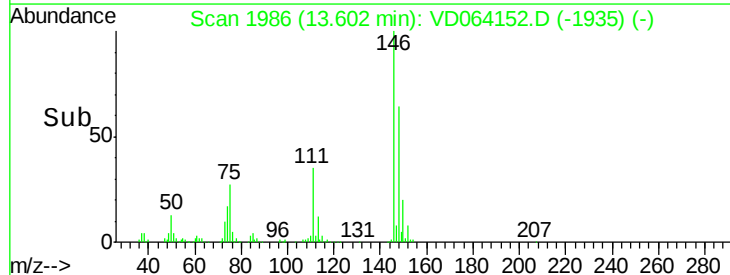
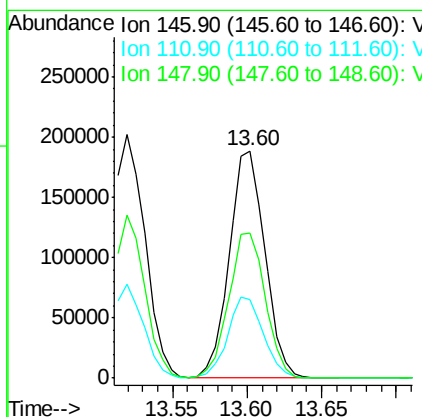
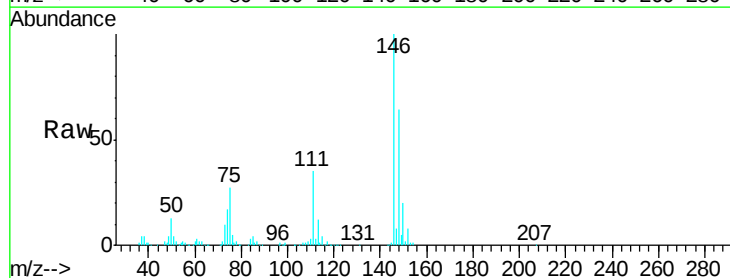
RT: 13.60 min Scan# 1986

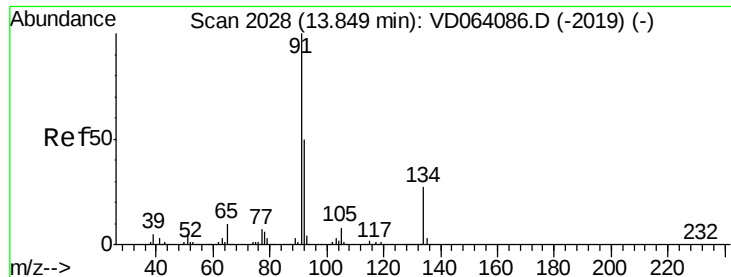
Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.6	18.4	55.4
148	65.7	32.4	97.0





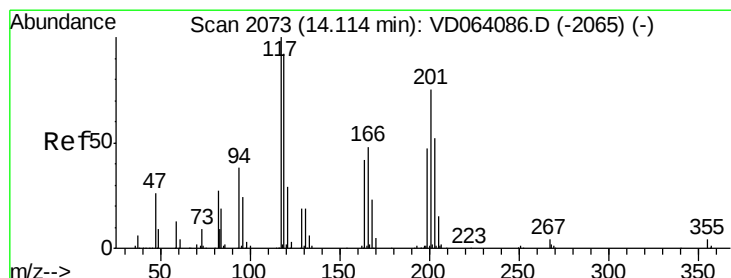
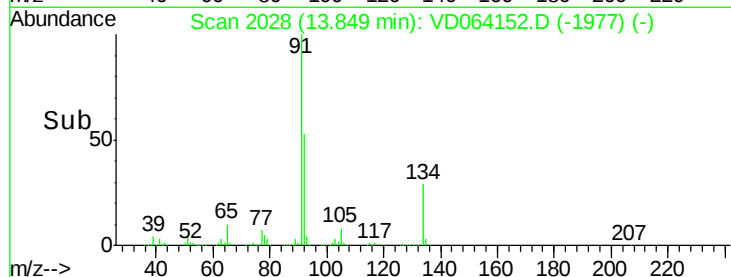
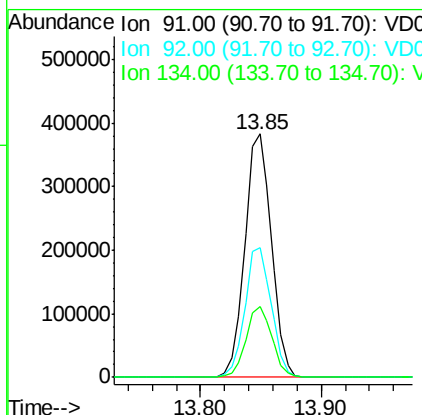
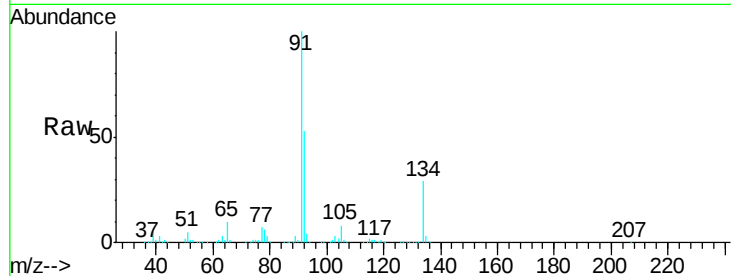
#89
n-Butylbenzene
Concen: 49.837 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	25.6	76.6
134	28.3	14.0	42.0

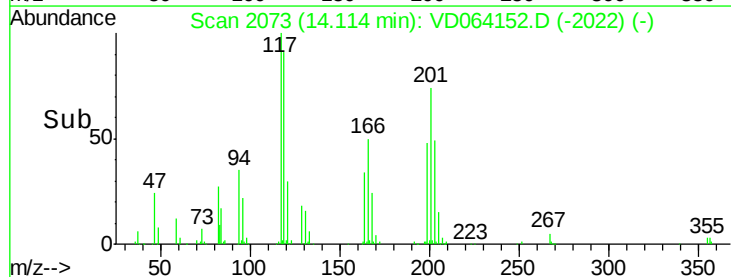
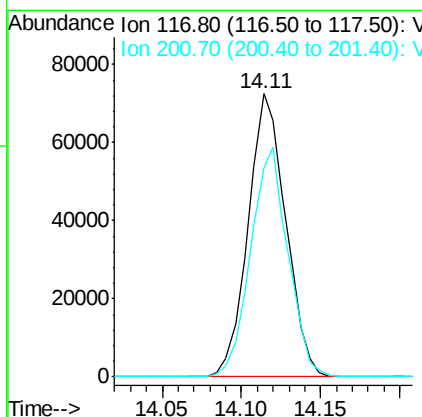
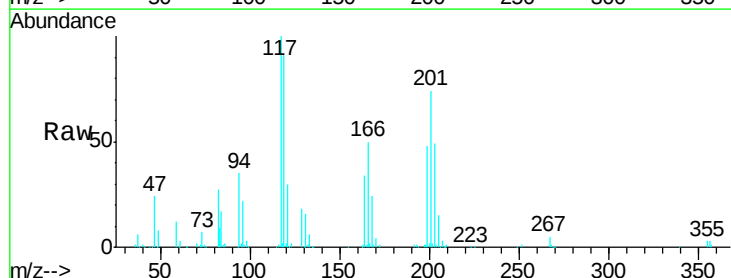
Manual Integrations
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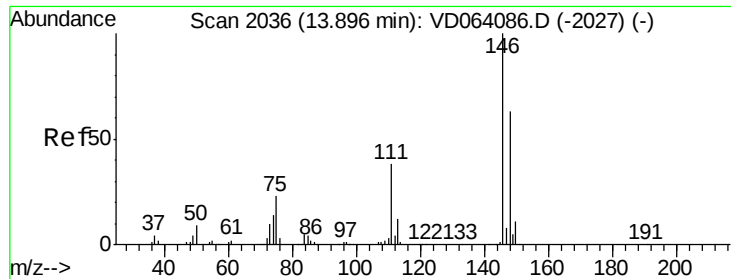
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#90
Hexachloroethane
Concen: 49.943 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD064152.D
Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	38.4	115.2





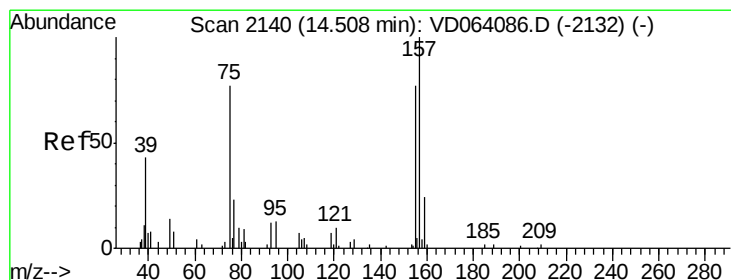
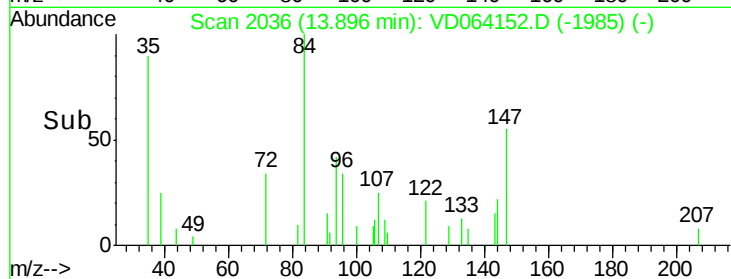
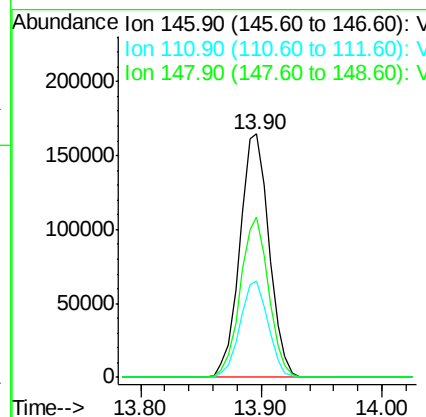
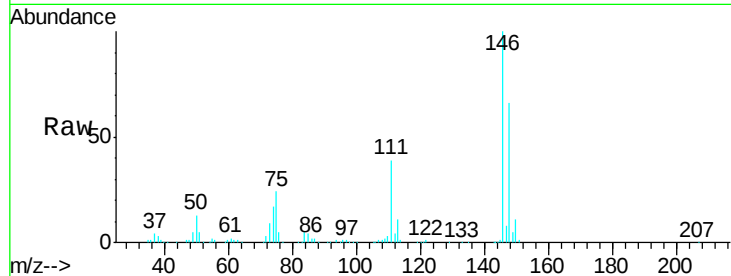
#91
 1,2-Dichlorobenzene
 Concen: 50.583 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	278461		
111	38.0	19.1	57.1	
148	63.7	32.1	96.5	

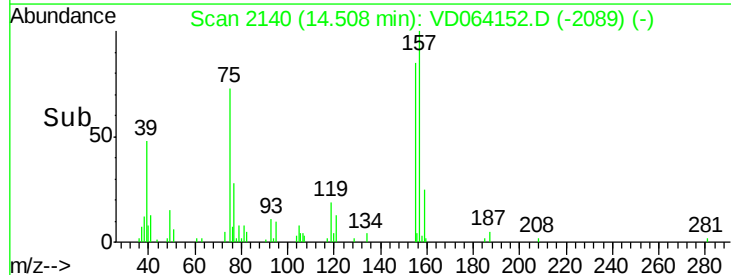
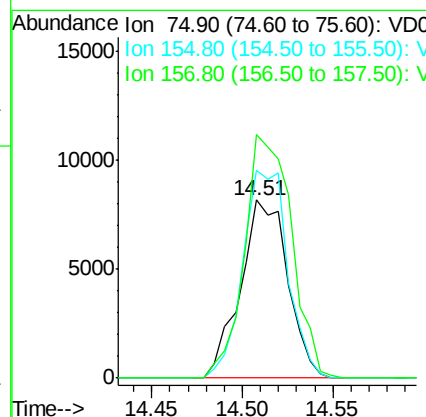
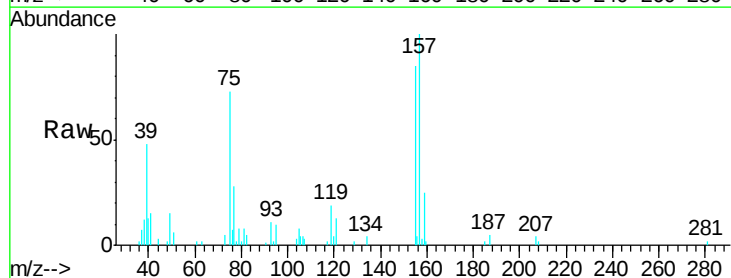
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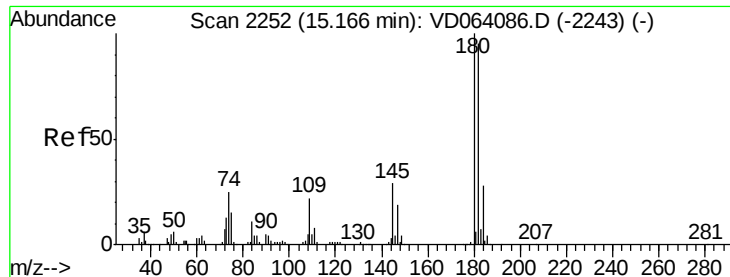
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.694 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14819		
155	111.4	56.3	168.9	
157	136.4	72.2	216.6	





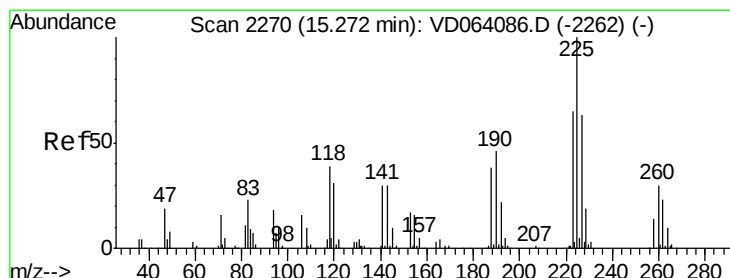
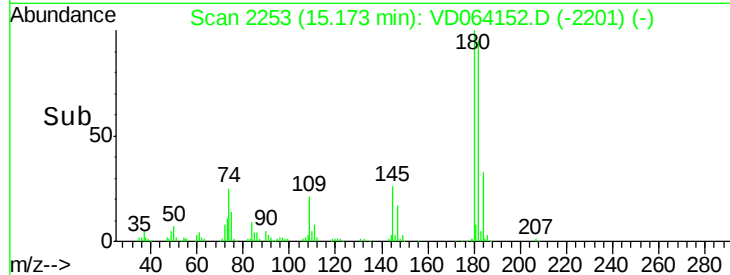
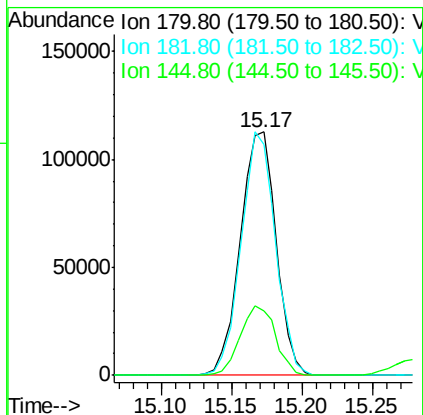
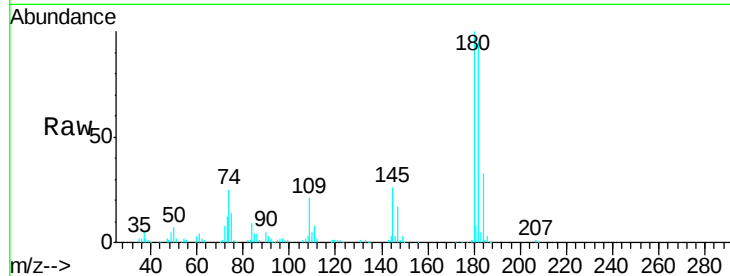
#93
 1,2,4-Trichlorobenzene
 Concen: 50.892 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	201382		
182	95.3	46.9	140.7	
145	28.0	14.2	42.6	

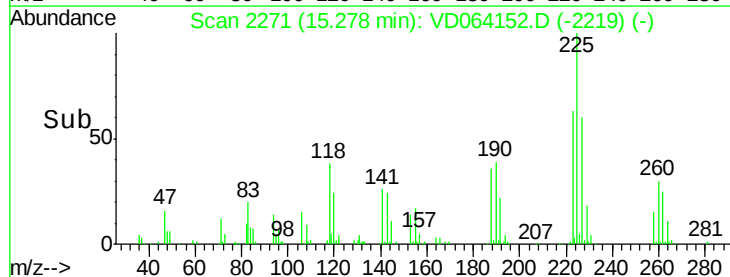
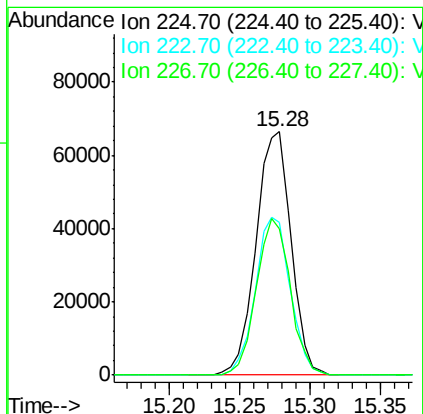
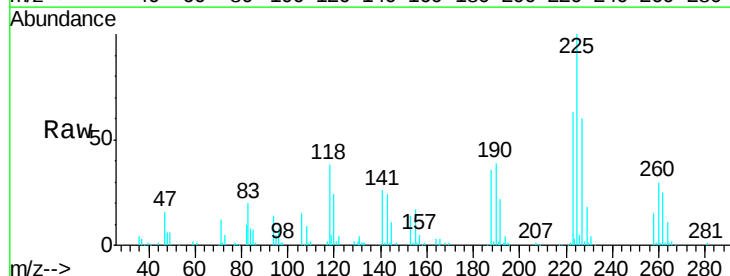
Manual Integrations
 APPROVED

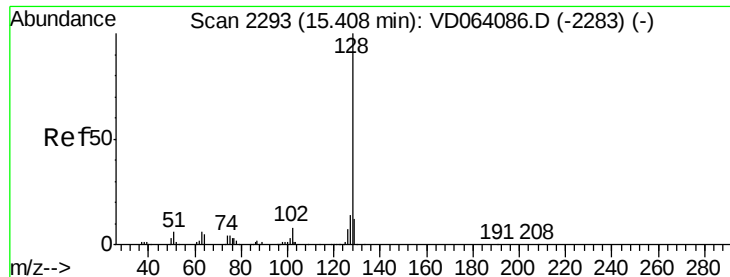
MMDadoda
 11/4/2019 11:51:07 AM



#94
 Hexachlorobutadiene
 Concen: 50.040 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD064152.D
 Acq: 01 Nov 2019 17:57

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115728		
223	64.7	30.8	92.3	
227	62.5	31.7	95.1	





#95

Naphthalene

Concen: 50.336 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Instrument :

MSVOA_D

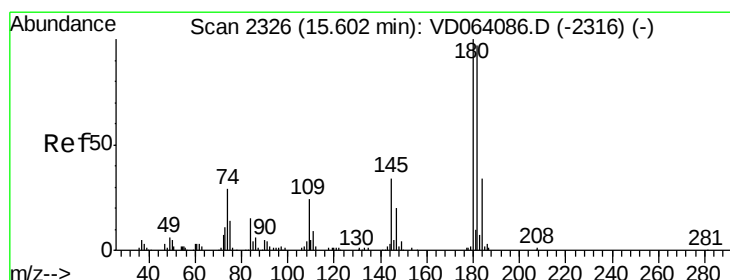
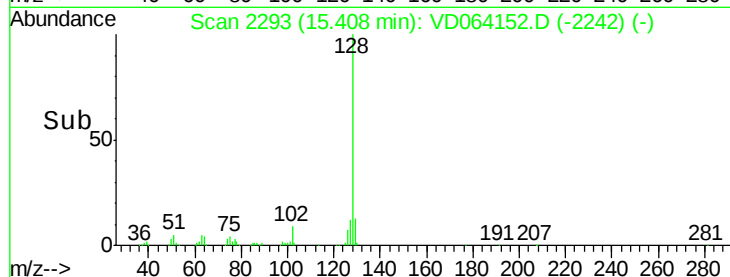
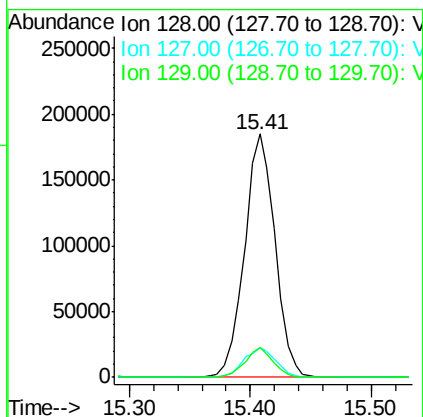
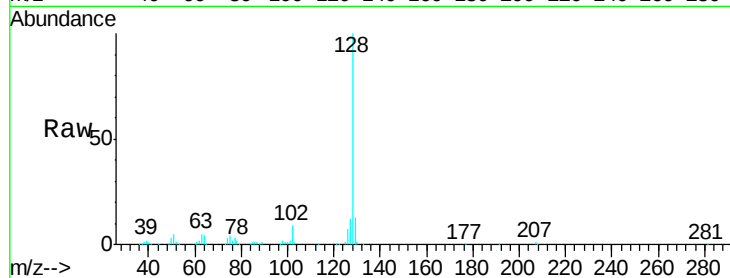
ClientSampleId :

VSTDCCC050EC

Tgt Ion:	128	Resp:	324848
Ion Ratio	Lower	Upper	
128	100		
127	12.6	10.9	16.3
129	11.3	8.8	13.2

Manual Integrations
APPROVED

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11/4/2019 11:51:07 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.243 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD064152.D

Acq: 01 Nov 2019 17:57

Tgt Ion:	180	Resp:	172208
Ion Ratio	Lower	Upper	
180	100		
182	96.1	48.4	145.0
145	30.0	16.4	49.4

