

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD060520\
 Data File : VD065772.D
 Acq On : 05 Jun 2020 12:45
 Operator : VA/SY
 Sample : VSTDICC150
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC150

Manual Integrations
 APPROVED

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 6/5/2020 4:12:48 PM

Quant Time: Jun 05 13:06:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060520S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 05 12:42:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	248387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	375905	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	349406	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	177868	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	338631	136.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	272.38%	
35) Dibromofluoromethane	7.92	113	339977	142.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	285.36%	
50) Toluene-d8	10.34	98	1338070	154.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	308.66%	
62) 4-Bromofluorobenzene	12.64	95	446939	151.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	303.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	239008	118.04	ug/l	99
3) Chloromethane	2.21	50	377336	109.69	ug/l	99
4) Vinyl Chloride	2.35	62	457282	116.43	ug/l	97
5) Bromomethane	2.74	94	318398	115.85	ug/l	92
6) Chloroethane	2.91	64	310434	117.25	ug/l	97
7) Trichlorofluoromethane	3.27	101	541788	122.72	ug/l	99
8) Diethyl Ether	3.71	74	152217	136.17	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.09	101	326408	124.49	ug/l	99
10) Methyl Iodide	4.30	142	407940	178.38	ug/l	98
11) Tert butyl alcohol	5.23	59	91828	455.80	ug/l	98
12) 1,1-Dichloroethene	4.07	96	308534	131.15	ug/l	98
13) Acrolein	3.92	56	83397	563.95	ug/l	95
14) Allyl chloride	4.71	41	521670	136.68	ug/l	99
15) Acrylonitrile	5.43	53	345227	681.90	ug/l	100
16) Acetone	4.16	43	324998	690.06	ug/l	99
17) Carbon Disulfide	4.41	76	1020929	128.68	ug/l	99
18) Methyl Acetate	4.71	43	147398	113.74	ug/l	100
19) Methyl tert-butyl Ether	5.47	73	728607	140.71	ug/l	99
20) Methylene Chloride	4.97	84	342661	111.10	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	371460	136.51	ug/l	97
22) Diisopropyl ether	6.36	45	1064285	138.74	ug/l	95
23) Vinyl Acetate	6.31	43	3185160	758.07	ug/l	99
24) 1,1-Dichloroethane	6.26	63	628363	132.28	ug/l	99
25) 2-Butanone	7.21	43	448653	692.04	ug/l	92
26) 2,2-Dichloropropane	7.21	77	553198	131.06	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	403349	139.17	ug/l	99
28) Bromochloromethane	7.55	49	249442	139.22	ug/l	93
29) Tetrahydrofuran	7.56	42	288351	706.61	ug/l	98
30) Chloroform	7.71	83	652283	132.83	ug/l	98
31) Cyclohexane	7.98	56	572047	122.39	ug/l	94
32) 1,1,1-Trichloroethane	7.90	97	601315	132.86	ug/l	97
36) 1,1-Dichloropropene	8.11	75	511421	138.38	ug/l	99
37) Ethyl Acetate	7.29	43	202219	140.71	ug/l	99
38) Carbon Tetrachloride	8.10	117	547578	141.26	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	640850	149.35	ug/l	99
40) Benzene	8.36	78	1425096	142.70	ug/l	98
41) Methacrylonitrile	7.54	41	118454m	132.17	ug/l	
42) 1,2-Dichloroethane	8.43	62	410414	134.25	ug/l	99
43) Isopropyl Acetate	8.46	43	419087	148.60	ug/l	99
44) Trichloroethene	9.11	130	402576	145.14	ug/l	100
45) 1,2-Dichloropropane	9.39	63	353175	139.88	ug/l	99
46) Dibromomethane	9.48	93	193853	142.38	ug/l	100
47) Bromodichloromethane	9.67	83	514513	140.34	ug/l	99
48) Methyl methacrylate	9.46	41	205264	148.71	ug/l	97
49) 1,4-Dioxane	9.46	88	41400	2893.30	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	1021320	742.90	ug/l	99
52) Toluene	10.41	92	957564	149.67	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	492573	152.48	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	575812	150.43	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	260412	144.01	ug/l	99
56) Ethyl methacrylate	10.67	69	332419	162.19	ug/l	98
57) 1,3-Dichloropropane	10.95	76	448978	143.33	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	741241	771.54	ug/l	100
59) 2-Hexanone	10.99	43	703546	767.83	ug/l	98
60) Dibromochloromethane	11.14	129	353717	145.39	ug/l	97
61) 1,2-Dibromoethane	11.25	107	259777	147.48	ug/l	99
64) Tetrachloroethene	10.88	164	344064	142.24	ug/l	97
65) Chlorobenzene	11.67	112	1000567	144.73	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	375827	146.76	ug/l	98
67) Ethyl Benzene	11.75	91	1836664	150.27	ug/l	97
68) m/p-Xylenes	11.86	106	1411430	299.95	ug/l	100
69) o-Xylene	12.18	106	657235	157.38	ug/l	99
70) Styrene	12.20	104	1132683	157.01	ug/l	99
71) Bromoform	12.37	173	209182	149.50	ug/l #	99
73) Isopropylbenzene	12.48	105	1806832	150.81	ug/l	100
74) N-amyl acetate	12.29	43	396485	149.19	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	279142	134.04	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	209269m	150.20	ug/l	
77) Bromobenzene	12.77	156	419724	147.75	ug/l	98
78) n-propylbenzene	12.83	91	2114729	145.44	ug/l	98
79) 2-Chlorotoluene	12.91	91	1153221	144.49	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1493162	149.87	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	98375	155.81	ug/l	95
82) 4-Chlorotoluene	13.01	91	1216533	141.11	ug/l	99
83) tert-Butylbenzene	13.23	119	1310399	152.03	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	1489029	149.30	ug/l	99
85) sec-Butylbenzene	13.41	105	1784947	147.72	ug/l	100
86) p-Isopropyltoluene	13.52	119	1674386	152.62	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	804641	141.90	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	798365	141.13	ug/l	98
89) n-Butylbenzene	13.85	91	1561409	148.04	ug/l	99
90) Hexachloroethane	14.12	117	323639	145.17	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	695848	143.10	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	45718	132.70	ug/l	98

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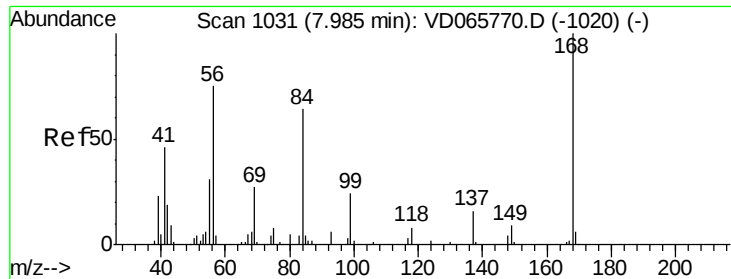
Manual Integrations
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6/5/2020 4:12:48 PM

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Quant Title : SW846 8260
QLast Update : Fri Jun 05 12:42:03 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	500042	155.22	ug/l	99
94) Hexachlorobutadiene	15.27	225	296742	149.58	ug/l	98
95) Naphthalene	15.41	128	868350	161.52	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	434158	156.76	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 168 Resp: 248387

Ion Ratio Lower Upper

168 100

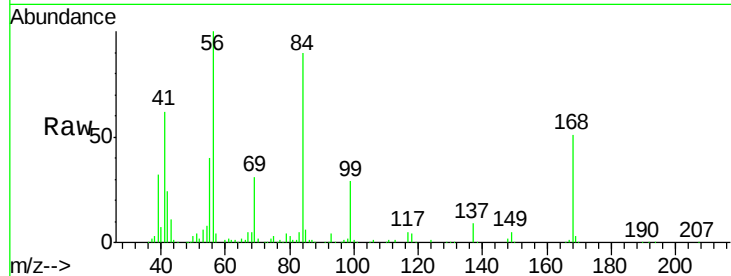
99 57.9 45.3 67.9

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

150000

100000

50000

0

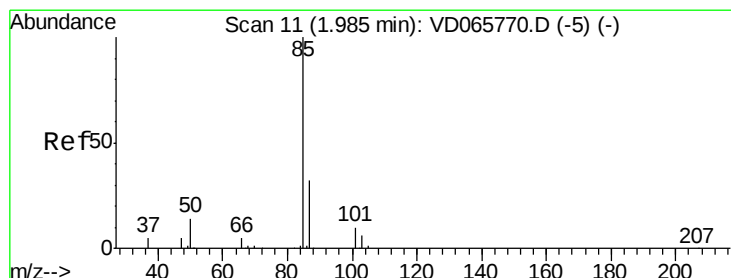
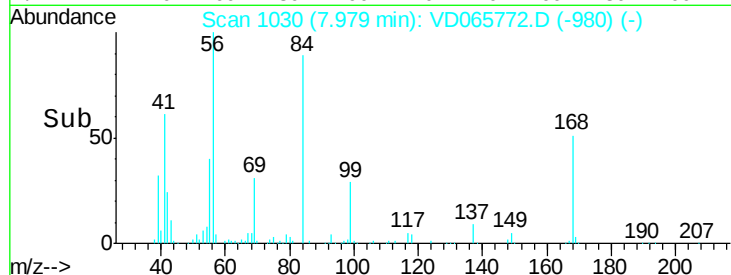
7.90

7.98

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 118.04 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD065772.D

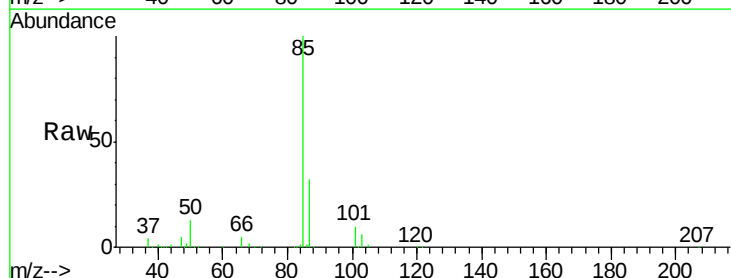
Acq: 05 Jun 2020 12:45

Tgt Ion: 85 Resp: 239008

Ion Ratio Lower Upper

85 100

87 31.9 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

200000

150000

100000

50000

0

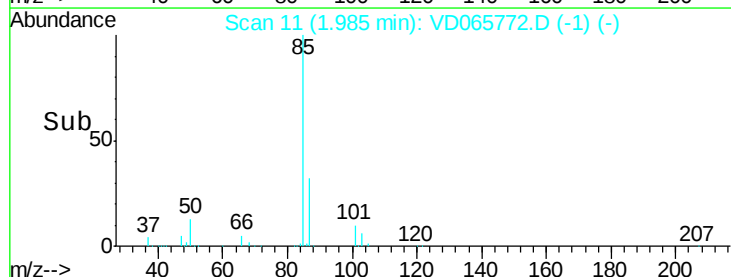
1.90

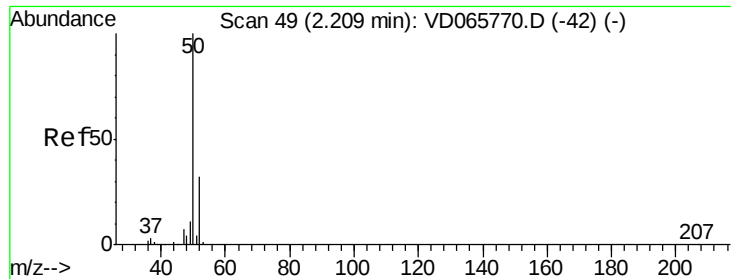
1.99

2.00

2.10

Time-->





#3

Chloromethane

Concen: 109.69 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 50 Resp: 377336

Ion Ratio Lower Upper

50 100

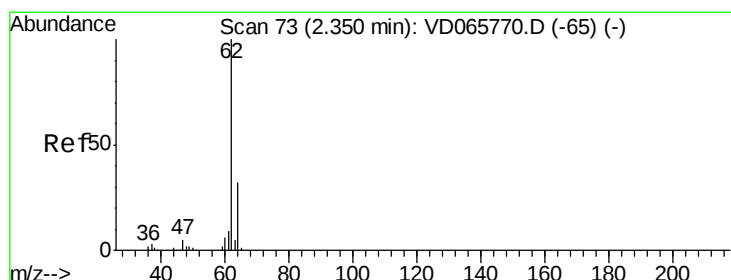
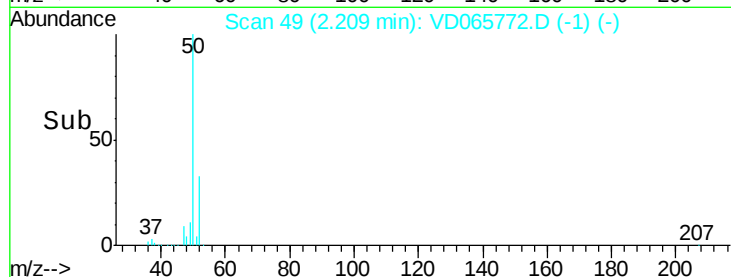
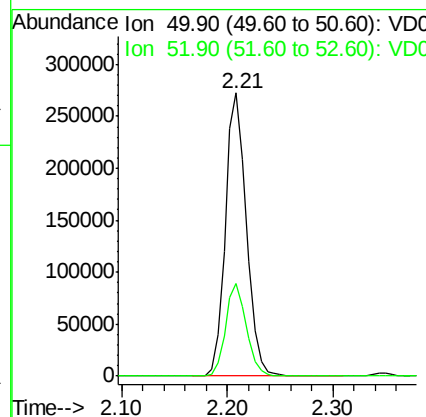
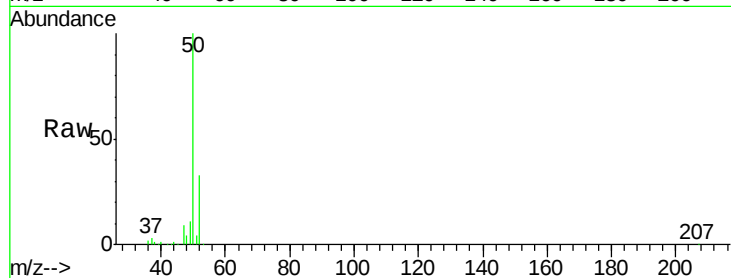
52 32.7 25.6 38.4

Manual Integrations

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#4

Vinyl Chloride

Concen: 116.43 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065772.D

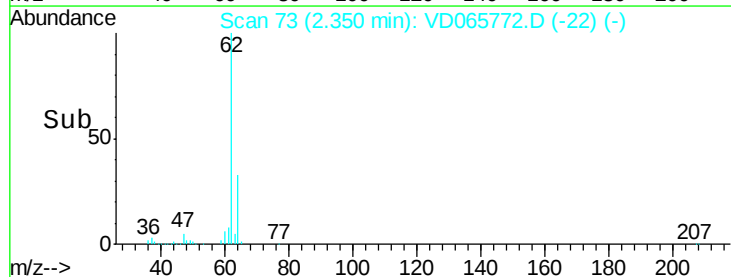
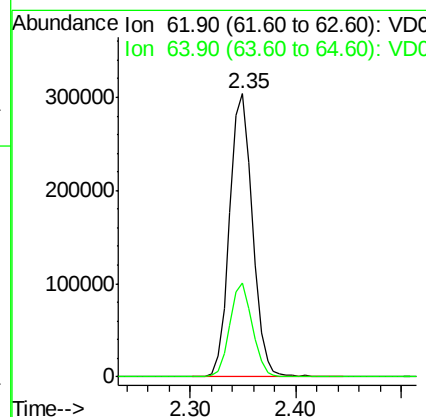
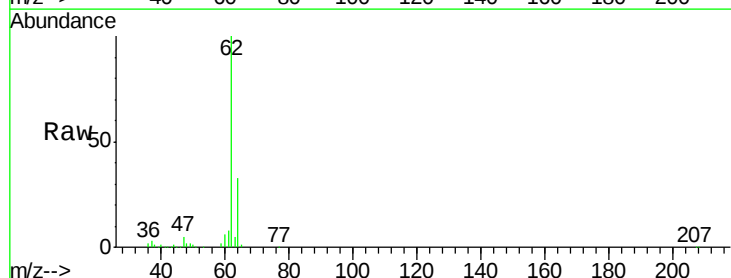
Acq: 05 Jun 2020 12:45

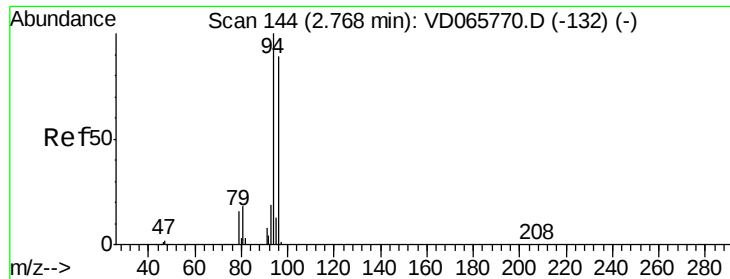
Tgt Ion: 62 Resp: 457282

Ion Ratio Lower Upper

62 100

64 33.3 25.3 37.9





#5

Bromomethane

Concen: 115.85 ug/l

RT: 2.74 min Scan# 140

Delta R.T. -0.02 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 94 Resp: 318398

Ion Ratio Lower Upper

94 100

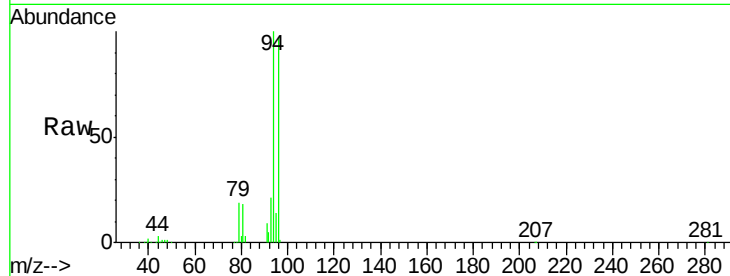
96 96.6 71.4 107.0

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.74

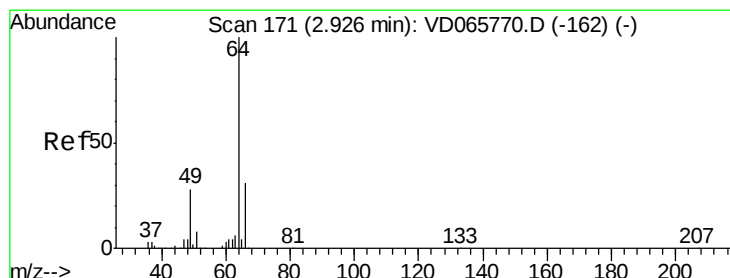
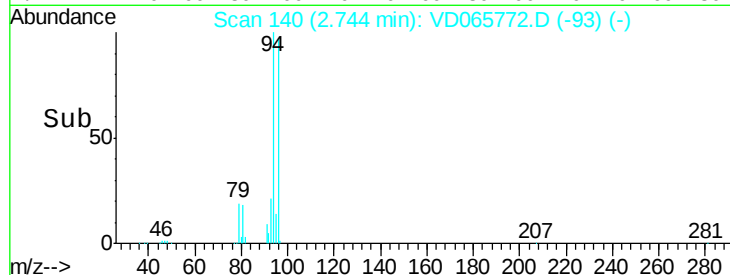
150000

100000

50000

0

Time-->



#6

Chloroethane

Concen: 117.25 ug/l

RT: 2.91 min Scan# 168

Delta R.T. -0.02 min

Lab File: VD065772.D

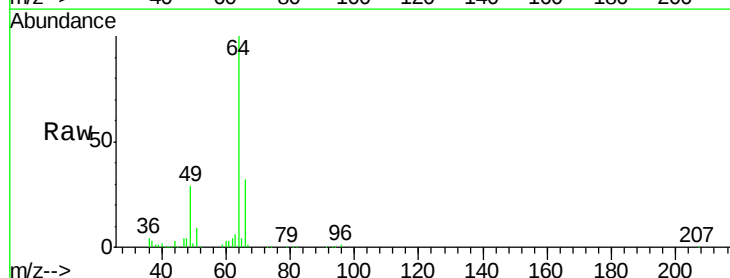
Acq: 05 Jun 2020 12:45

Tgt Ion: 64 Resp: 310434

Ion Ratio Lower Upper

64 100

66 32.0 24.5 36.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.91

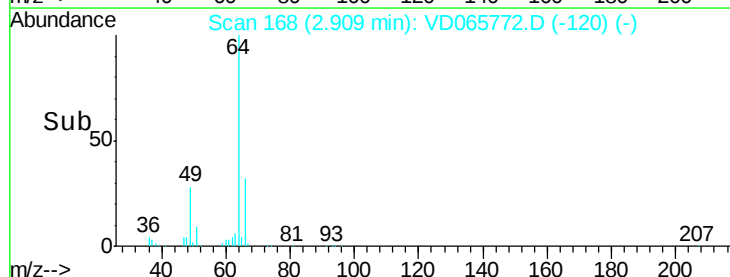
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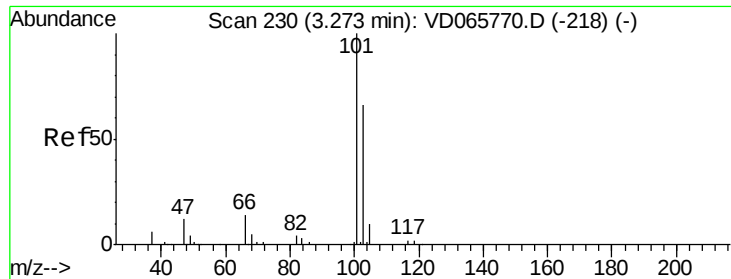
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50000

0

Time-->





#7

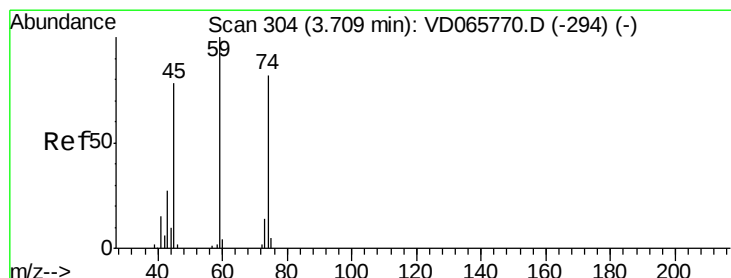
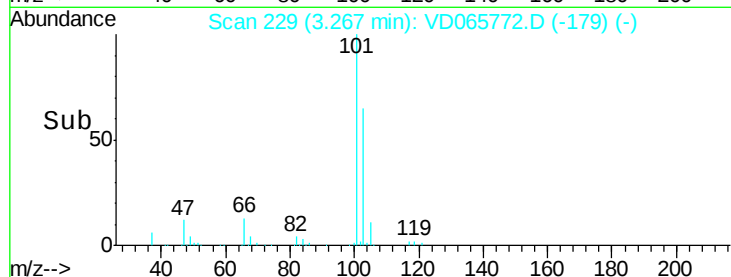
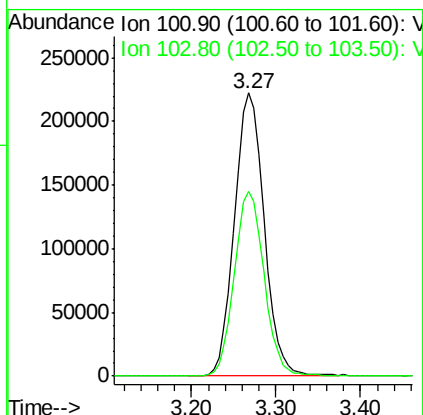
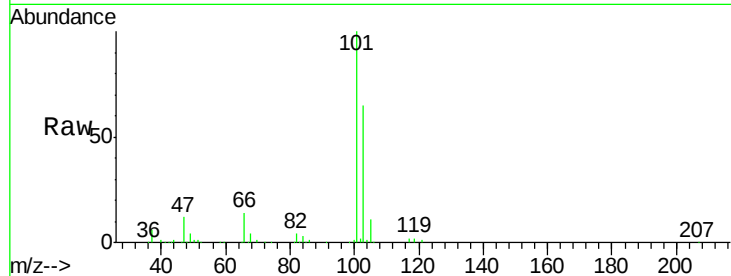
Trichlorofluoromethane
 Concen: 122.72 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
101	100		
103	65.4	53.1	79.7

Manual Integrations
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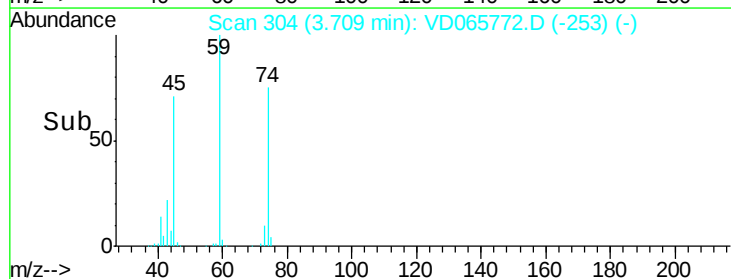
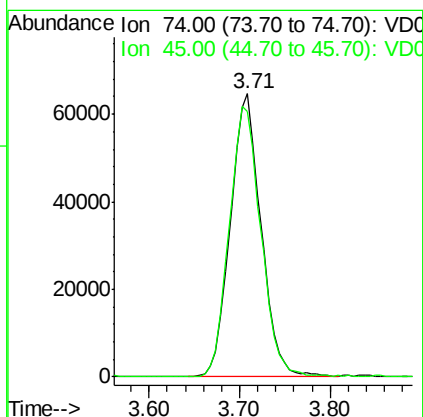
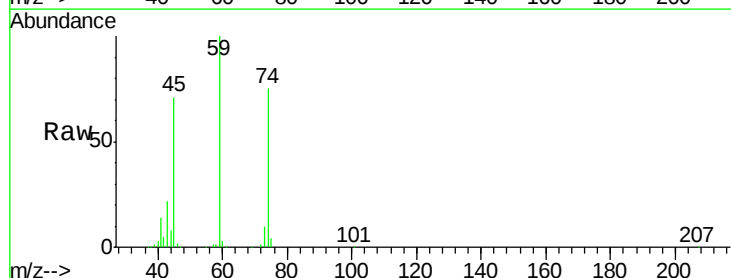
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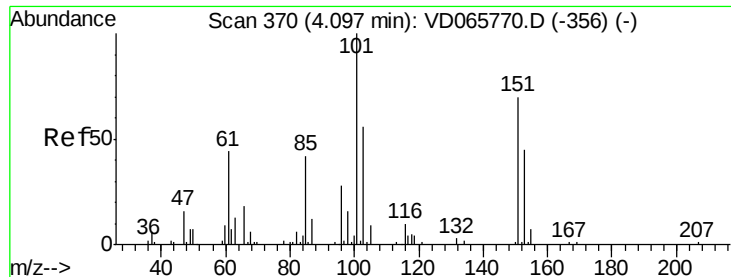


#8

Diethyl Ether
 Concen: 136.17 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.6	47.9	143.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 124.49 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

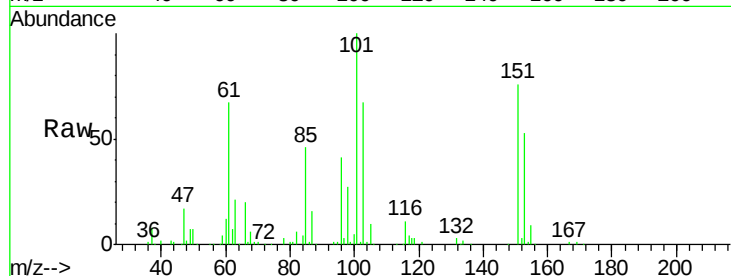
ClientSampleId :

VSTDIC150

Tgt Ion:	101	Resp:	326408
Ion Ratio	Lower	Upper	
101	100		
85	44.8	36.5	54.7
151	77.0	61.8	92.6

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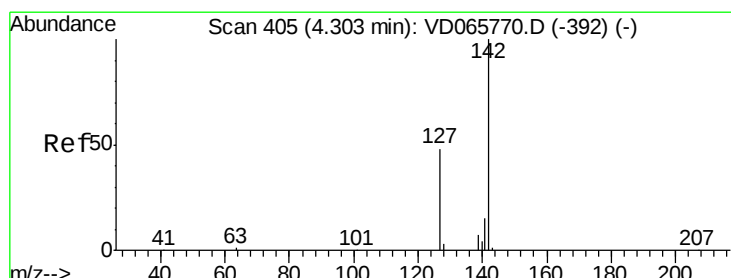
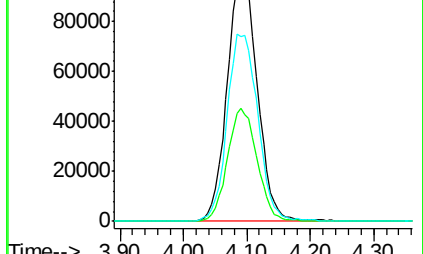
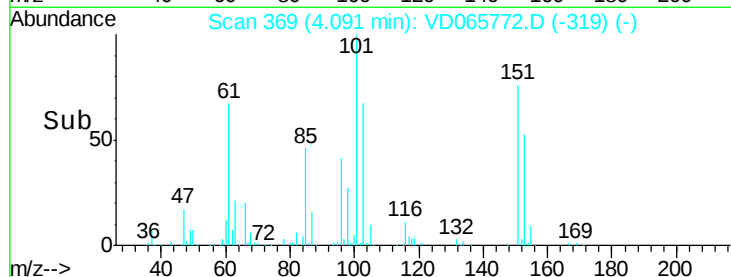


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V

Time-->



#10

Methyl Iodide

Concen: 178.38 ug/l

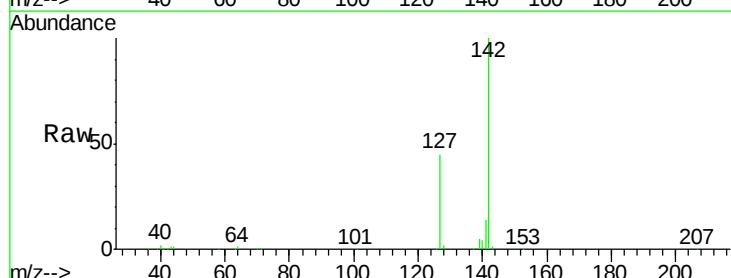
RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion:	142	Resp:	407940
Ion Ratio	Lower	Upper	
142	100		
127	45.8	37.6	56.4
141	14.3	12.1	18.1

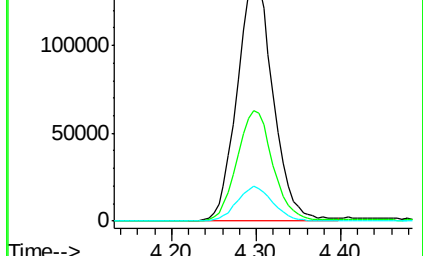
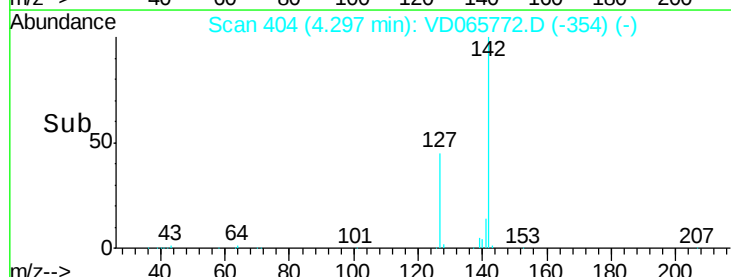


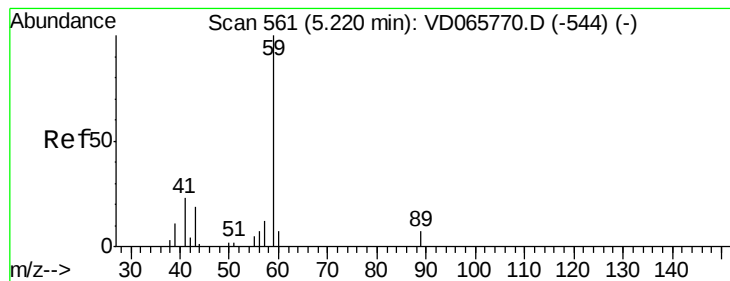
Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

Time-->





#11

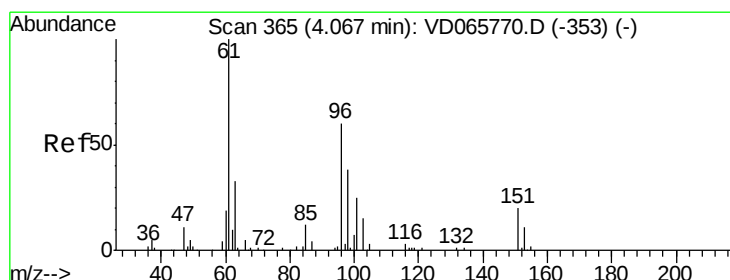
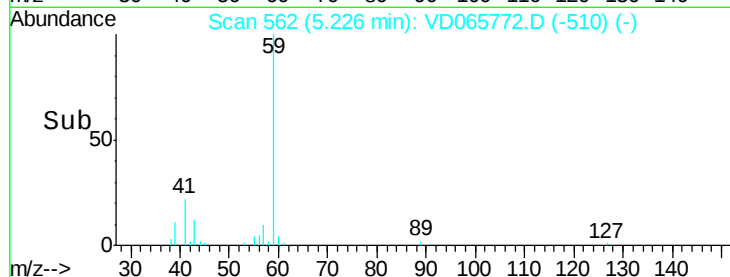
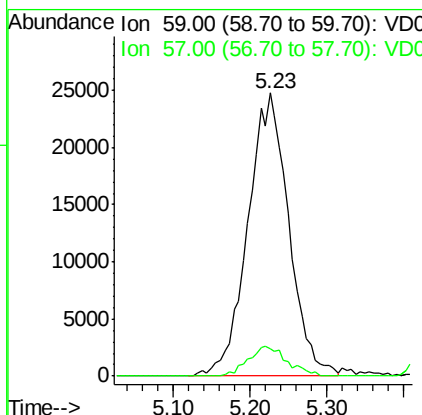
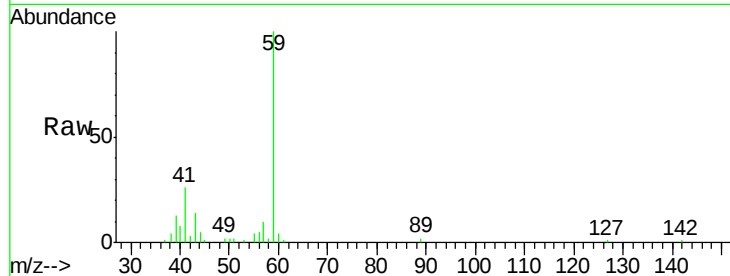
Tert butyl alcohol
Concen: 455.80 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 59 Resp: 91828
Ion Ratio Lower Upper
59 100
57 10.1 7.5 11.3

Manual Integrations
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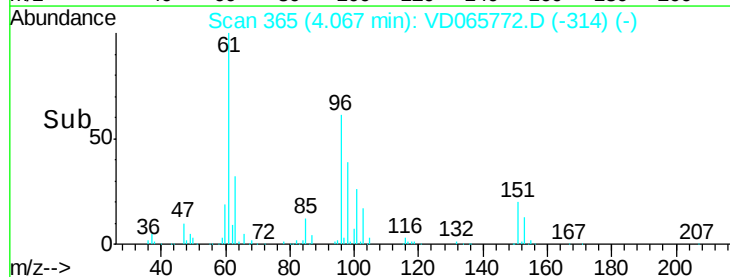
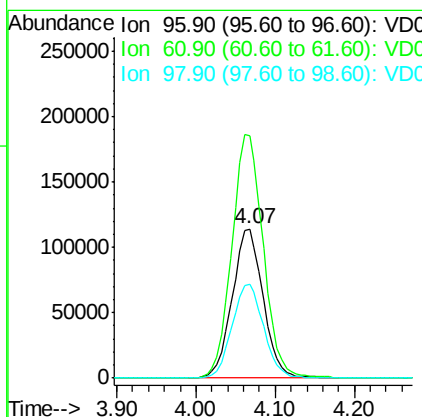
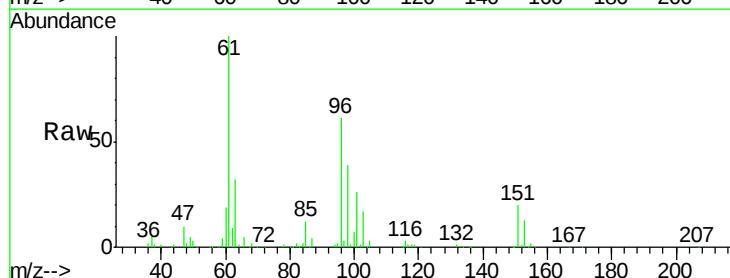
MMDadoda
6/5/2020 4:12:48 PM

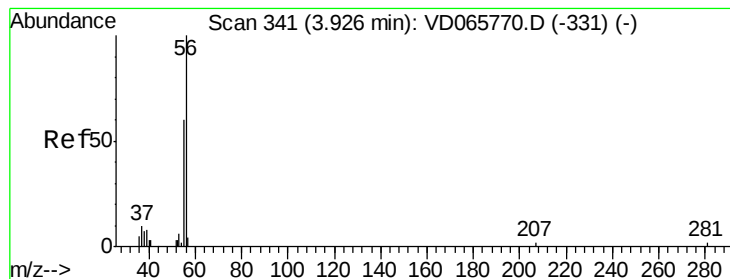


#12

1,1-Dichloroethene
Concen: 131.15 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 96 Resp: 308534
Ion Ratio Lower Upper
96 100
61 162.7 132.3 198.5
98 62.8 50.7 76.1





#13

Acrolein

Concen: 563.95 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 83397

Ion Ratio Lower Upper

56 100

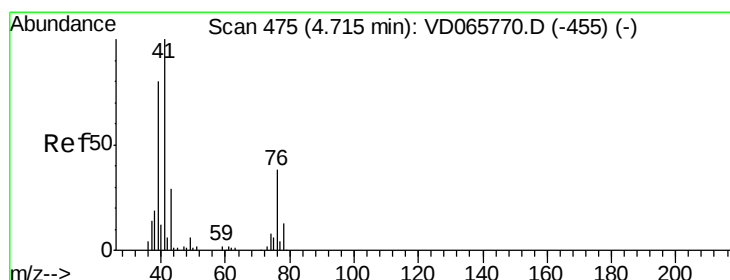
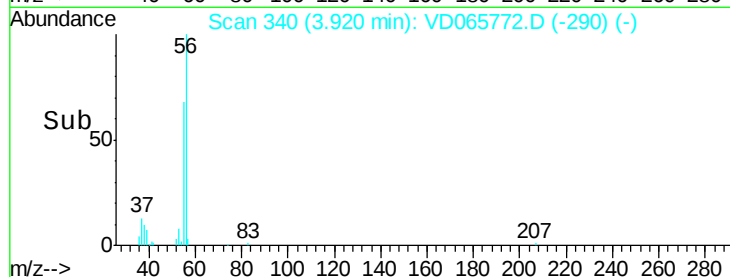
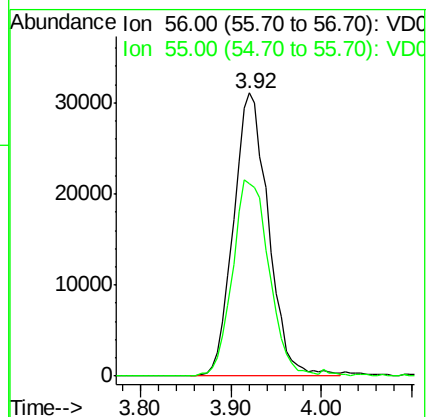
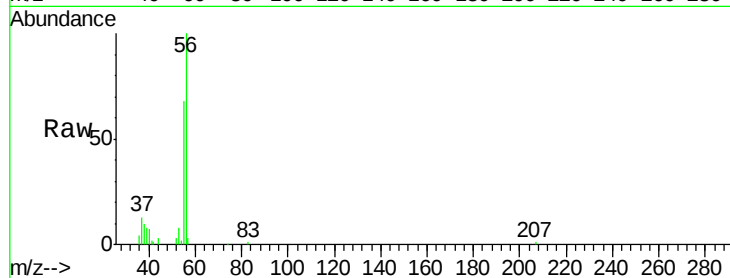
55 72.2 54.8 82.2

Manual Integrations

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#14

Allyl chloride

Concen: 136.68 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

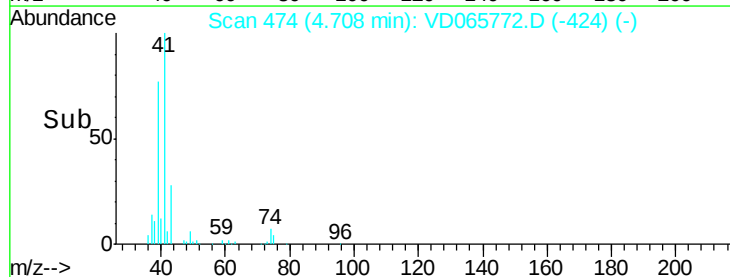
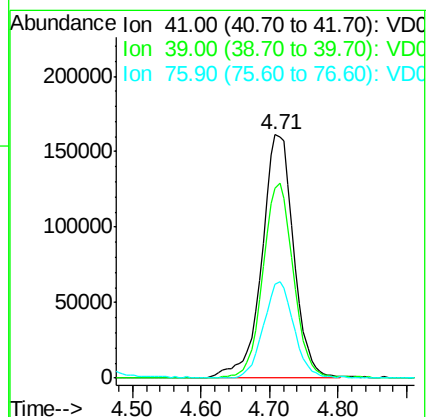
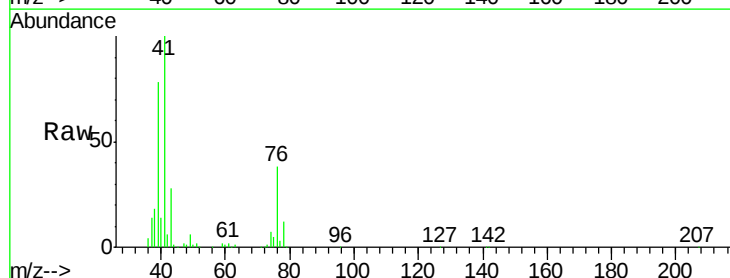
Tgt Ion: 41 Resp: 521670

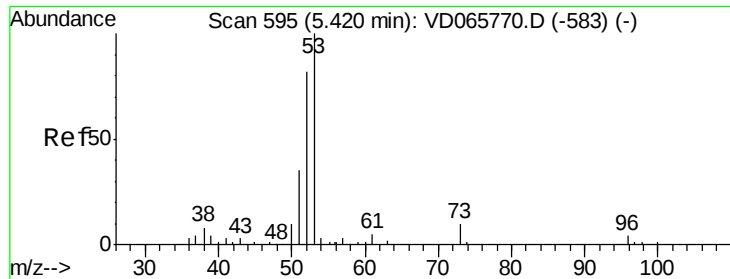
Ion Ratio Lower Upper

41 100

39 76.8 60.9 91.3

76 36.8 28.9 43.3





#15

Acrylonitrile

Concen: 681.90 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

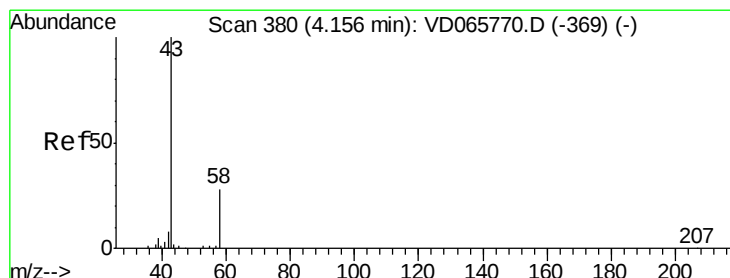
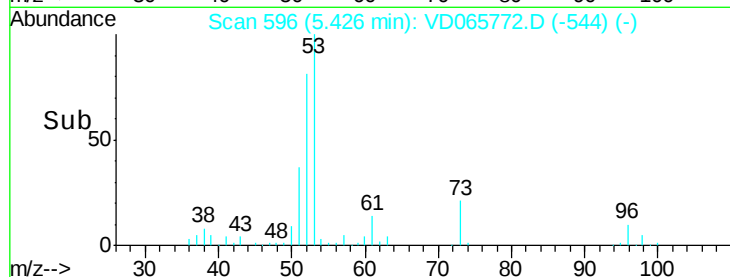
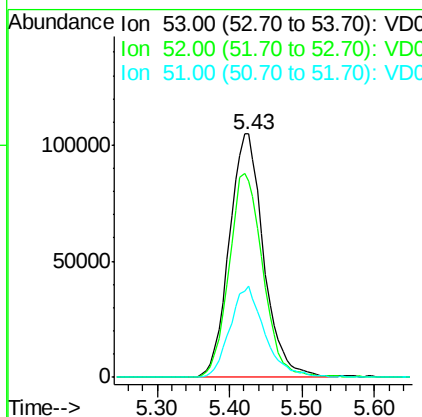
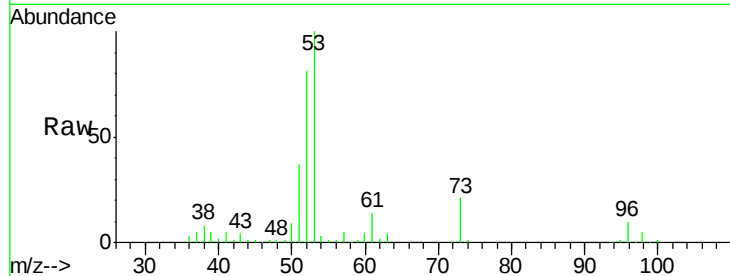
ClientSampleId :

VSTDICC150

Tgt Ion:	53	Resp:	345227
Ion	Ratio	Lower	Upper
53	100		
52	82.6	66.2	99.2
51	37.8	30.7	46.1

Manual Integrations
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#16

Acetone

Concen: 690.06 ug/l

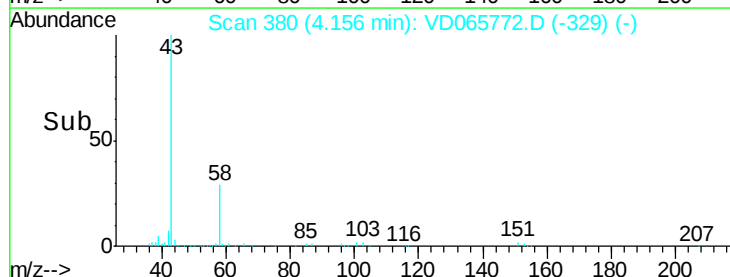
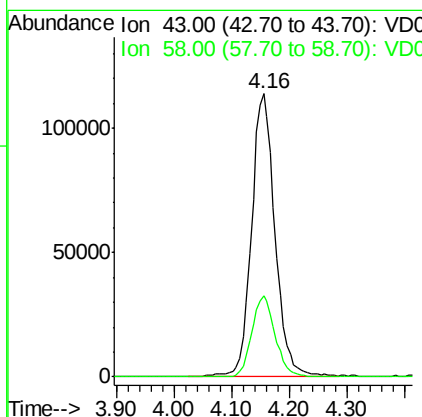
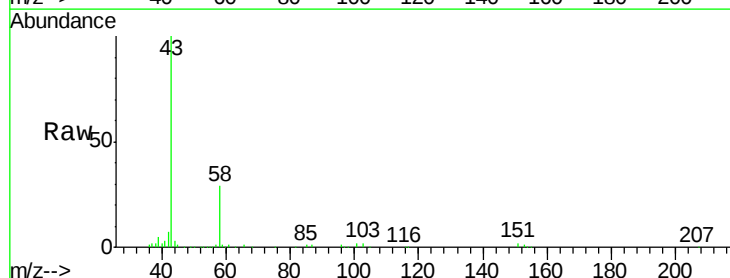
RT: 4.16 min Scan# 380

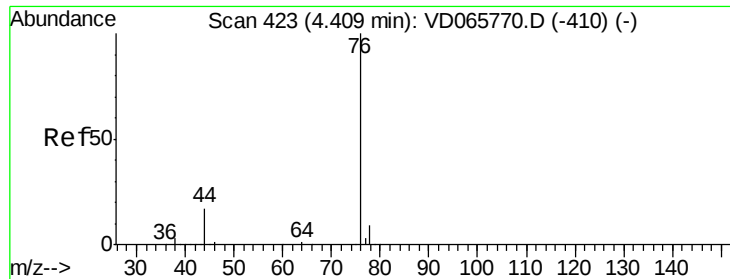
Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion:	43	Resp:	324998
Ion	Ratio	Lower	Upper
43	100		
58	28.6	22.3	33.5





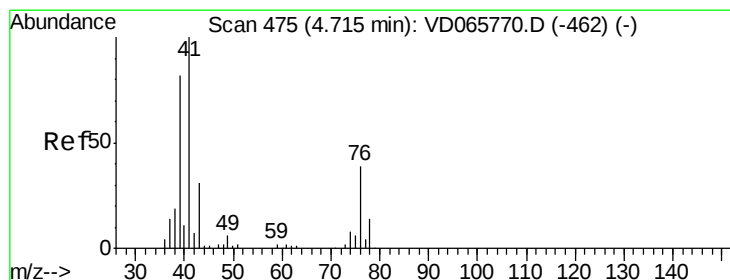
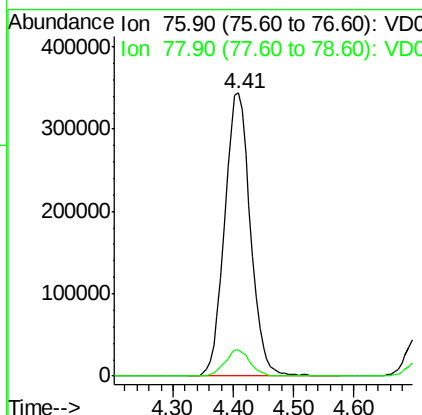
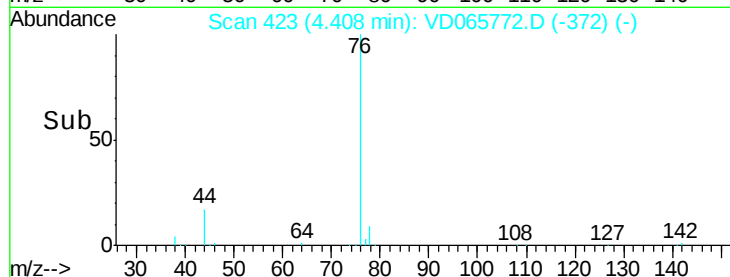
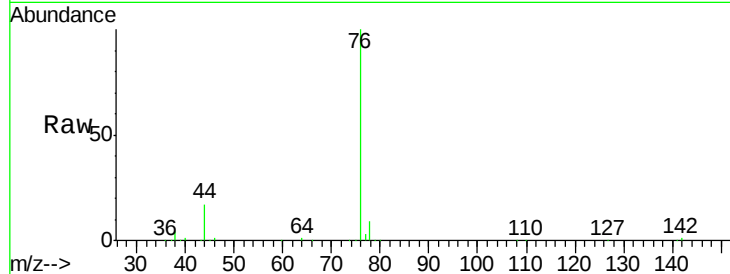
#17
Carbon Disulfide
Concen: 128.68 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 76 Resp: 1020929
Ion Ratio Lower Upper
76 100
78 9.4 7.1 10.7

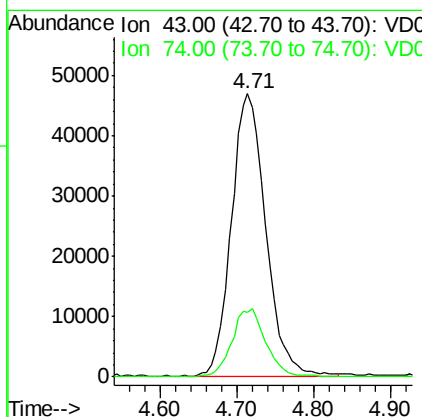
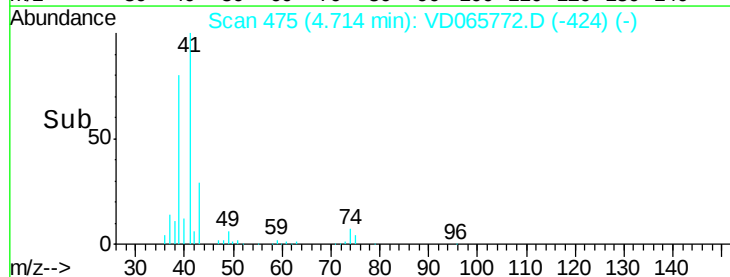
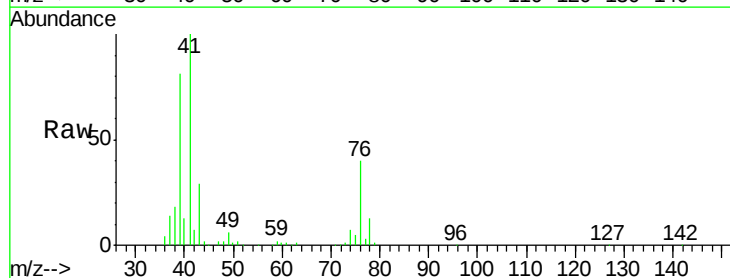
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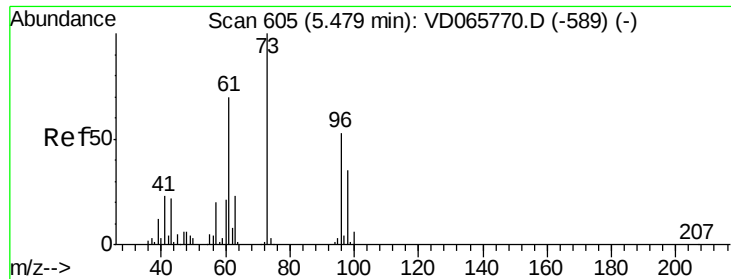
MMDadoda
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#18
Methyl Acetate
Concen: 113.74 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 43 Resp: 147398
Ion Ratio Lower Upper
43 100
74 23.6 18.7 28.1





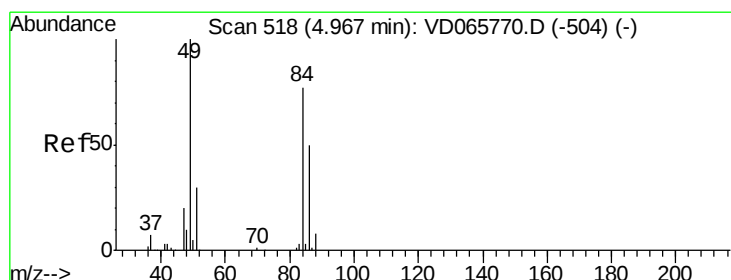
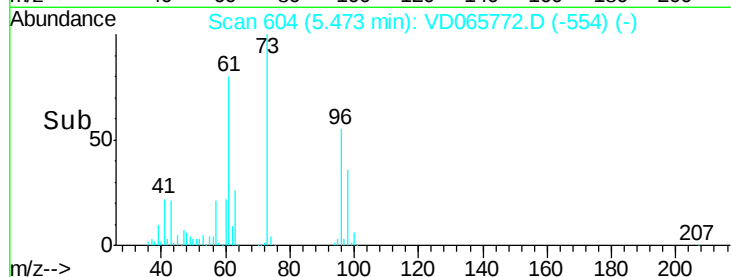
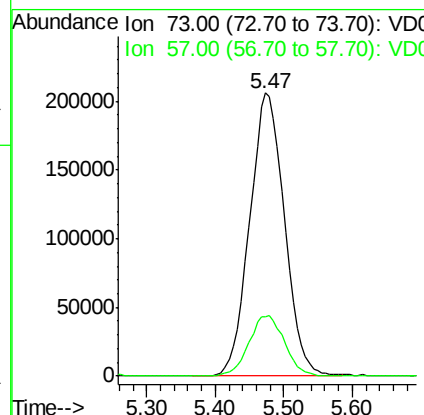
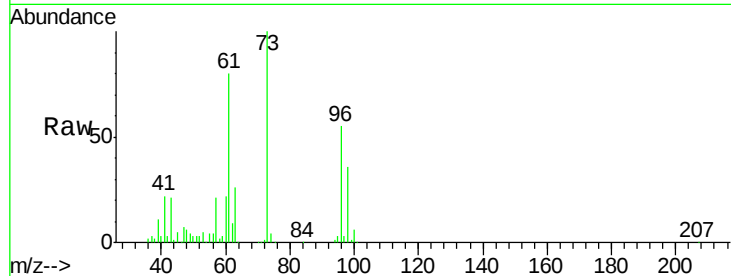
#19
Methyl tert-butyl Ether
Concen: 140.71 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 73 Resp: 728607
Ion Ratio Lower Upper
73 100
57 20.8 16.2 24.2

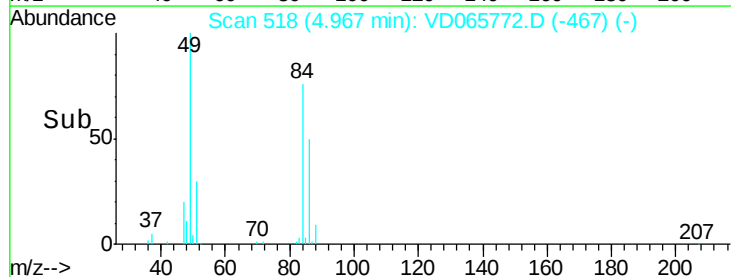
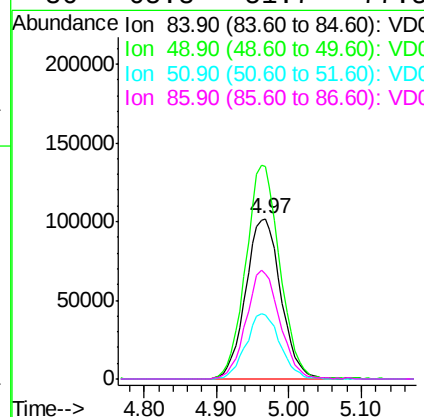
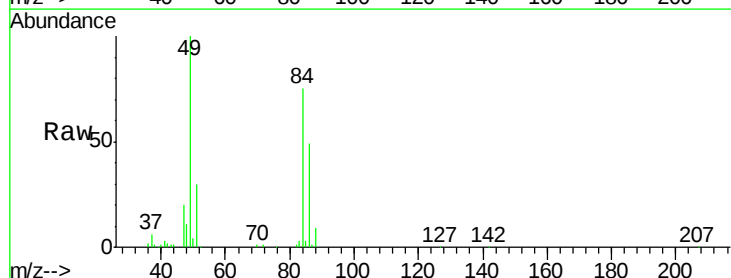
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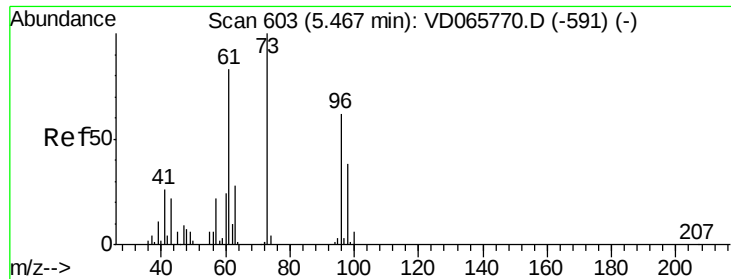
MMDadoda
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#20
Methylene Chloride
Concen: 111.10 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 84 Resp: 342661
Ion Ratio Lower Upper
84 100
49 133.1 103.4 155.0
51 39.9 31.4 47.2
86 65.8 51.7 77.5





#21

trans-1,2-Dichloroethene

Concen: 136.51 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 96 Resp: 371460

Ion Ratio Lower Upper

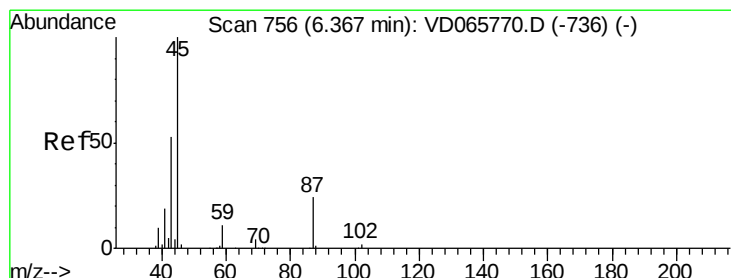
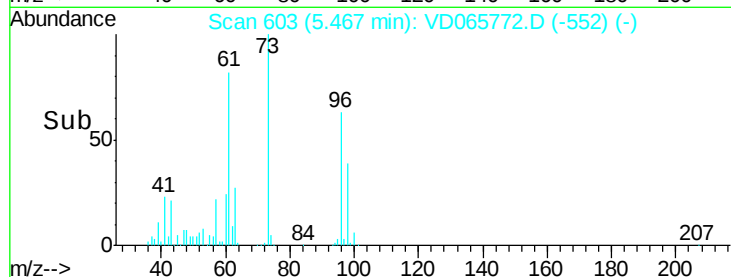
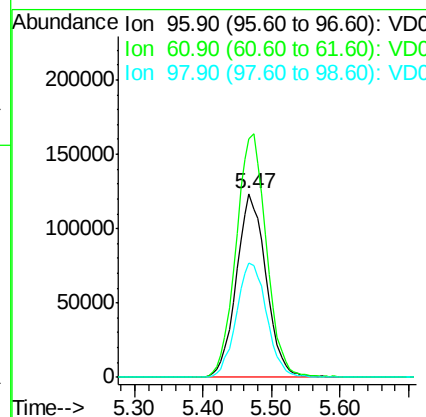
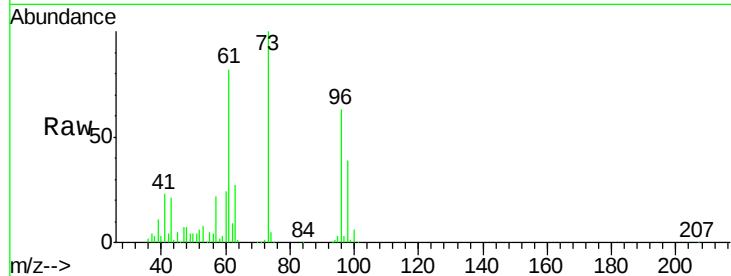
96 100

61 129.6 107.7 161.5

98 61.8 49.3 73.9

Manual Integrations
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#22

Diisopropyl ether

Concen: 138.74 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion: 45 Resp: 1064285

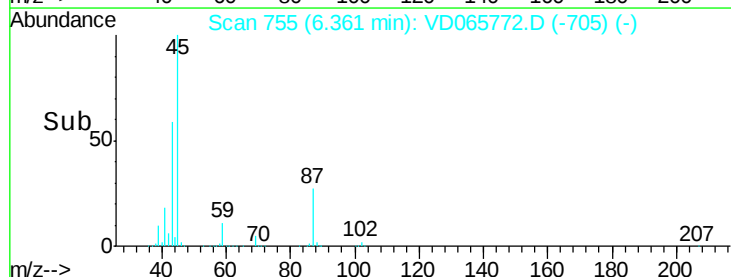
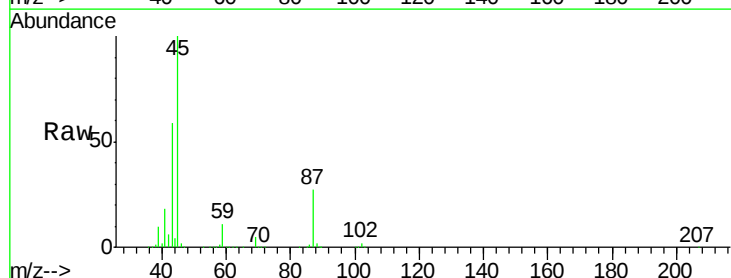
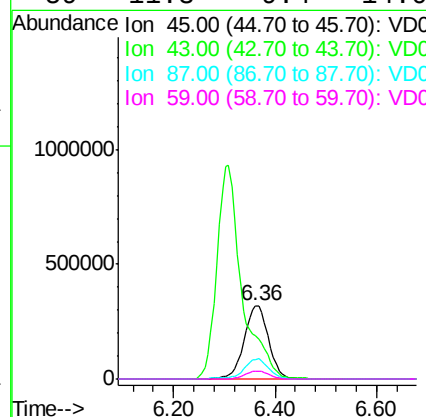
Ion Ratio Lower Upper

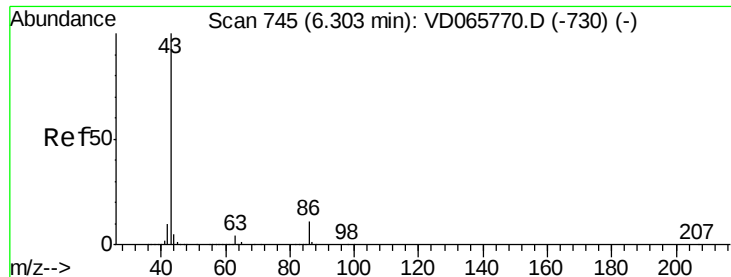
45 100

43 59.1 43.4 65.0

87 27.0 20.2 30.4

59 11.3 9.4 14.0





#23

Vinyl Acetate

Concen: 758.07 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tgt Ion: 43 Resp: 3185160

Ion Ratio Lower Upper

43 100

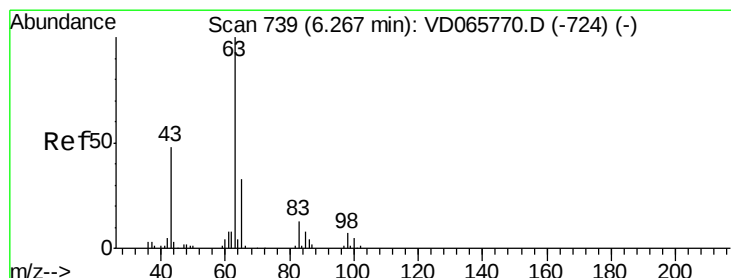
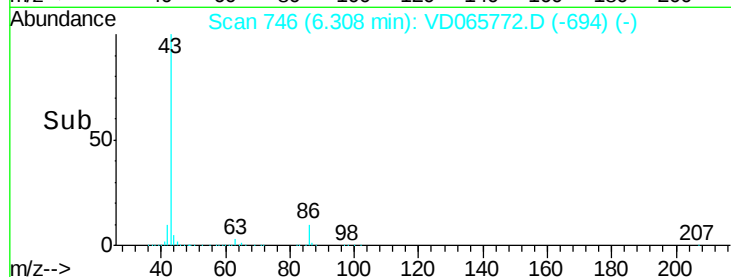
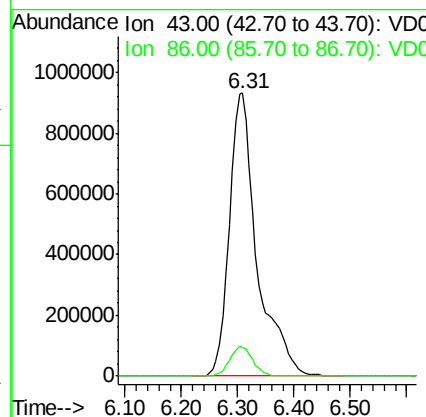
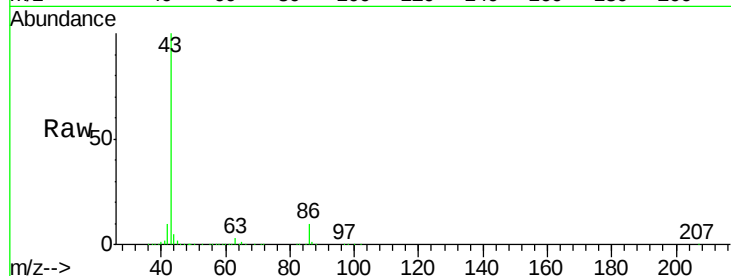
86 10.3 8.5 12.7

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 132.28 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

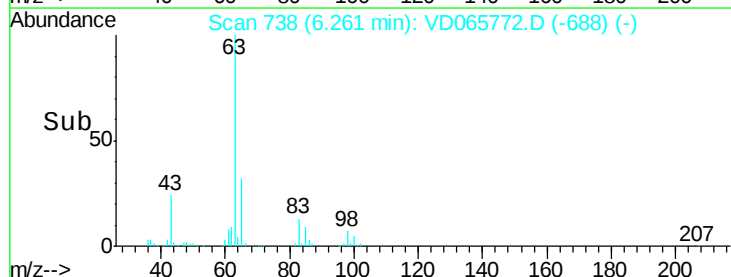
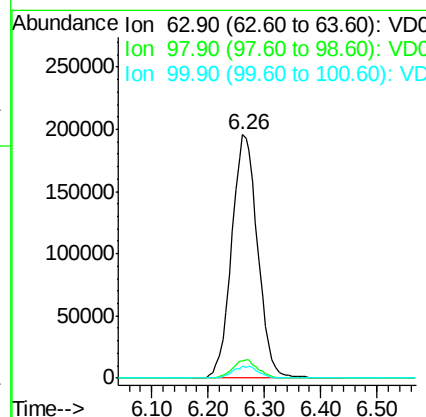
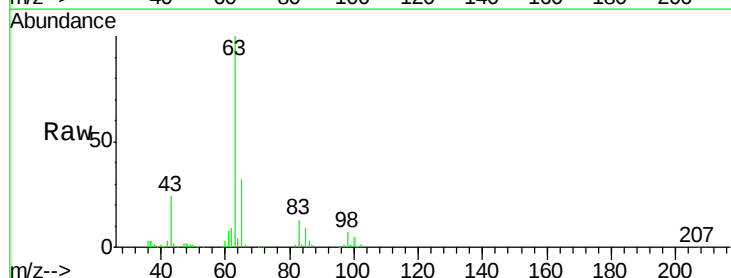
Tgt Ion: 63 Resp: 628363

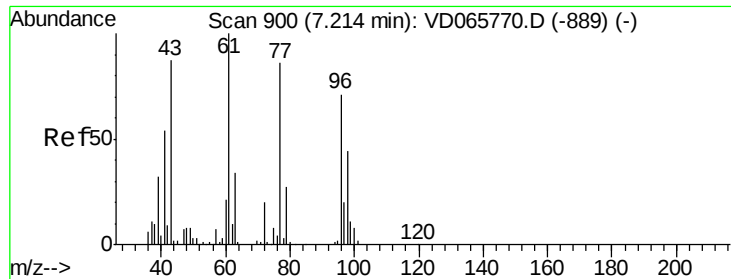
Ion Ratio Lower Upper

63 100

98 7.2 3.5 10.5

100 4.7 2.3 6.9





#25

2-Butanone

Concen: 692.04 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 448653

Ion Ratio Lower Upper

43 100

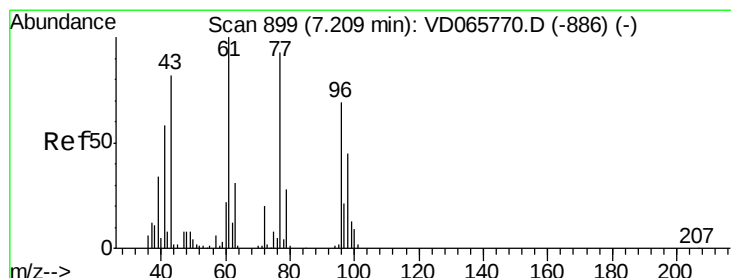
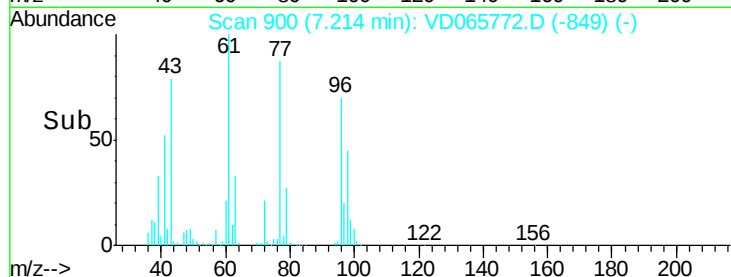
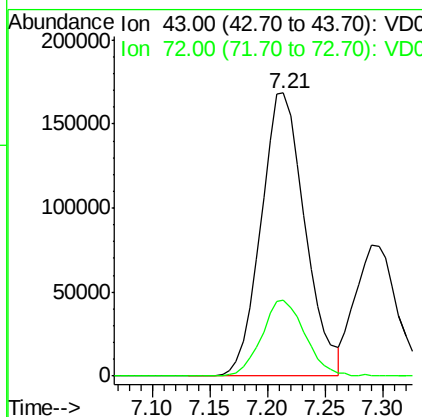
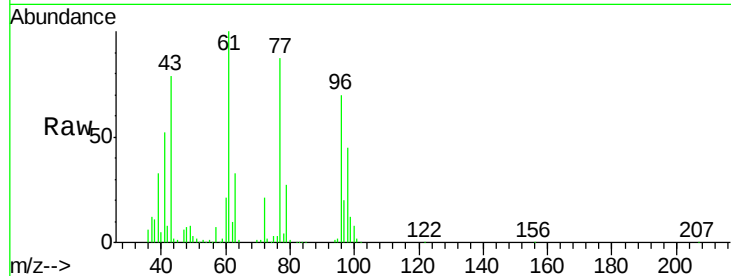
72 27.0 18.5 27.7

Manual Integrations

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6/5/2020 4:12:48 PM



#26

2,2-Dichloropropane

Concen: 131.06 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065772.D

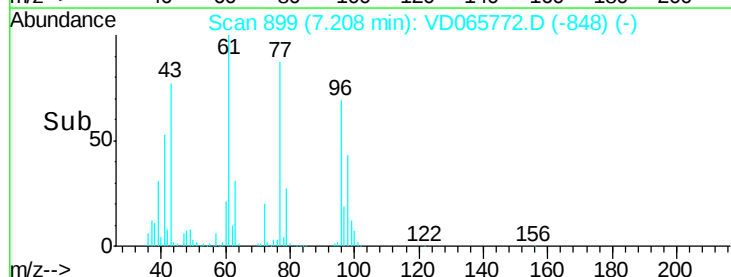
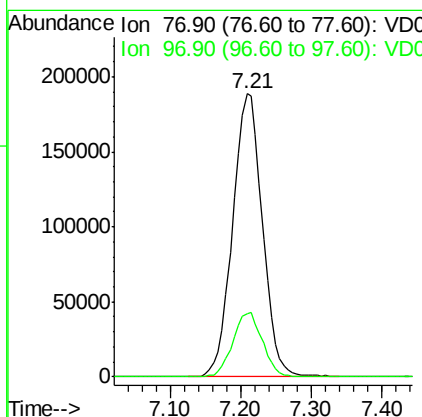
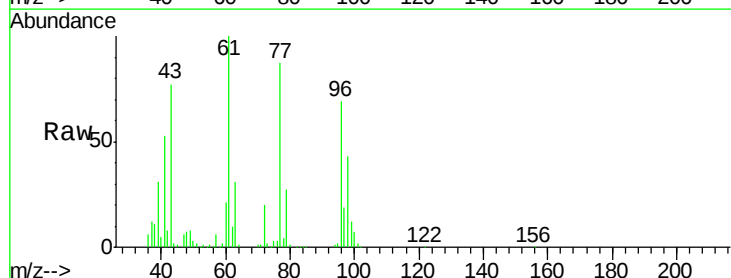
Acq: 05 Jun 2020 12:45

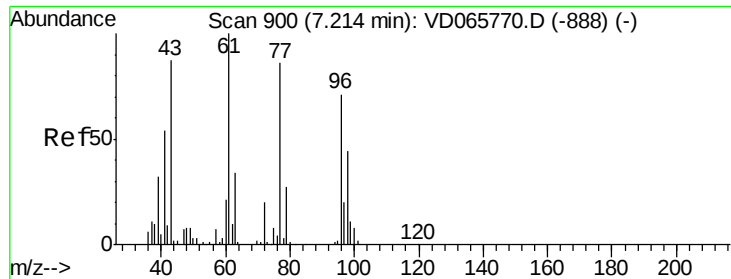
Tgt Ion: 77 Resp: 553198

Ion Ratio Lower Upper

77 100

97 22.6 10.9 32.7





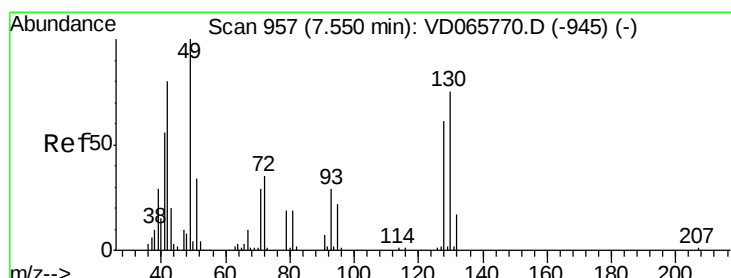
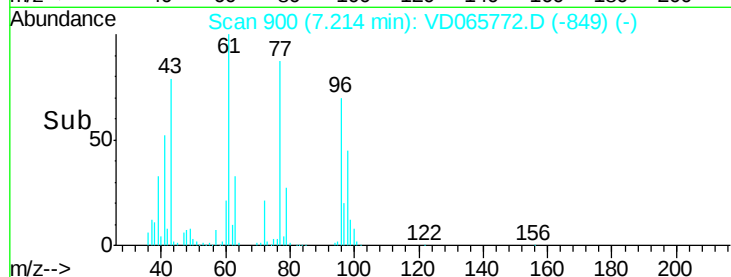
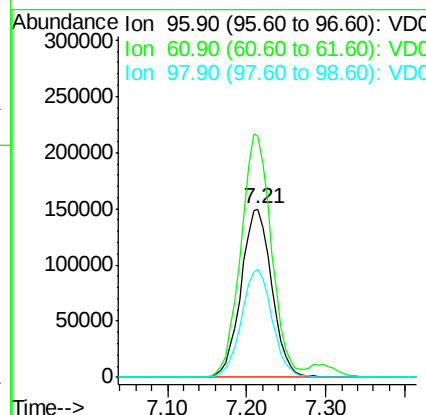
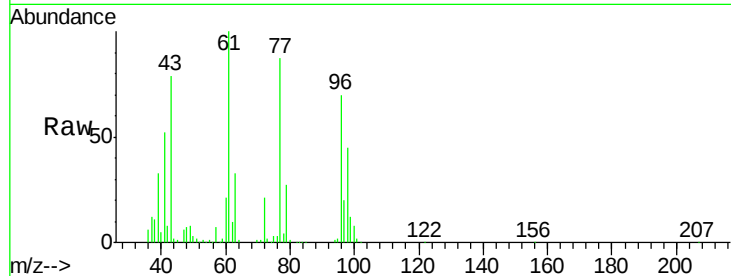
#27
 cis-1,2-Dichloroethene
 Concen: 139.17 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	403349		
61	143.4	0.0	291.2	
98	64.0	0.0	128.8	

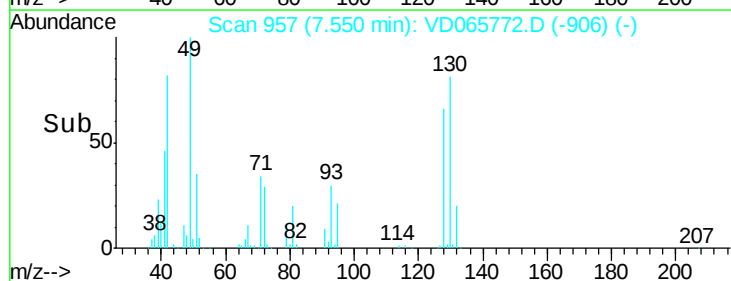
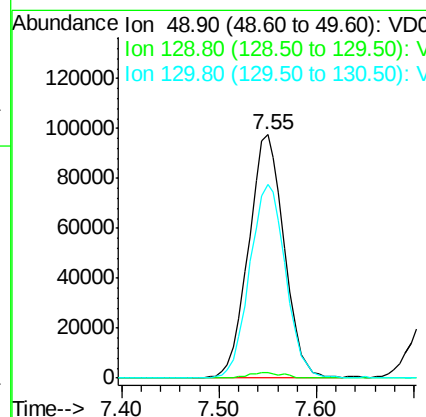
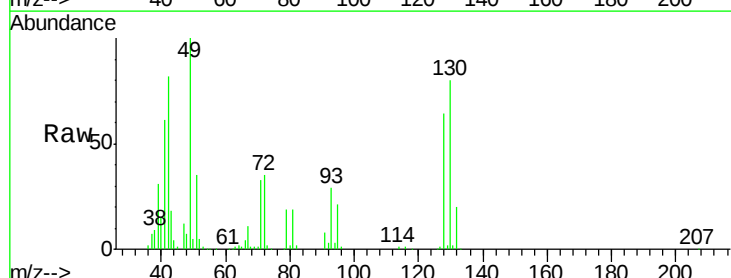
Manual Integrations
 APPROVED

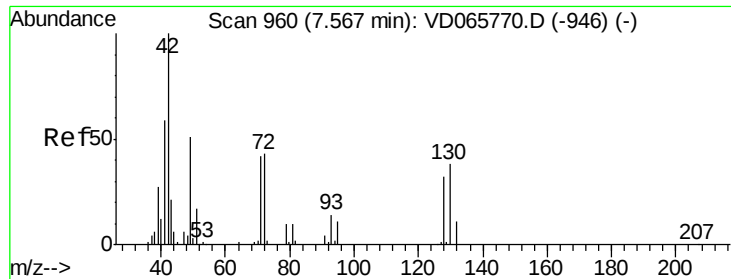
MMDadoda
 6/5/2020 4:12:48 PM



#28
 Bromochloromethane
 Concen: 139.22 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	249442		
129	2.2	0.0	4.6	
130	80.3	59.5	89.3	





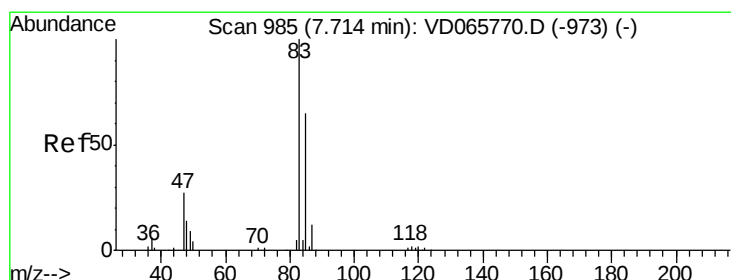
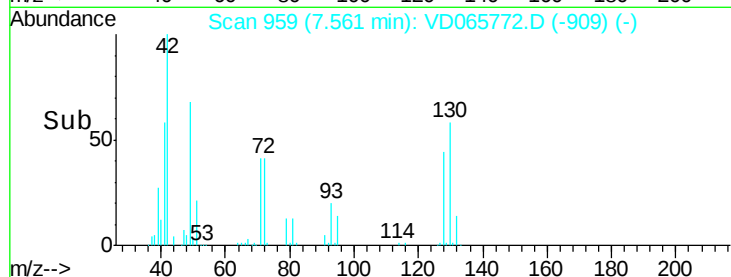
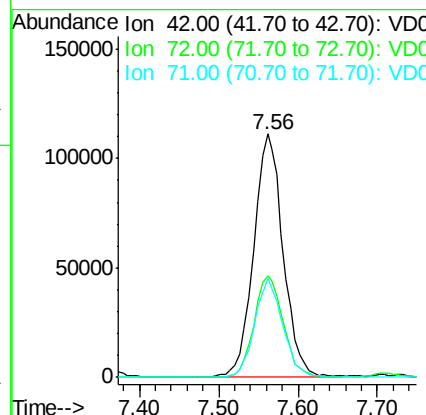
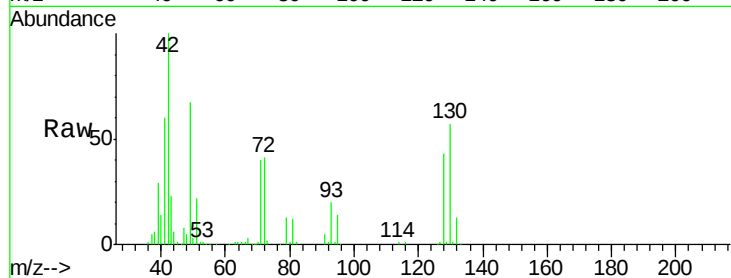
#29
Tetrahydrofuran
Concen: 706.61 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.5	34.9	52.3
71	38.7	31.2	46.8

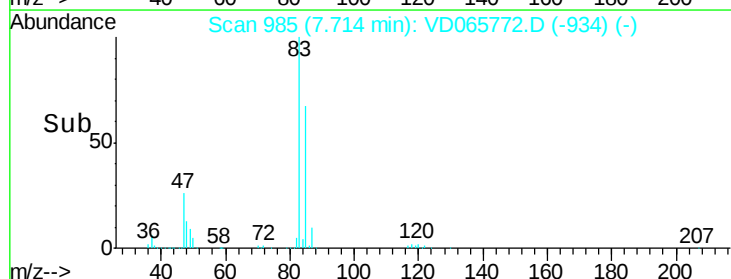
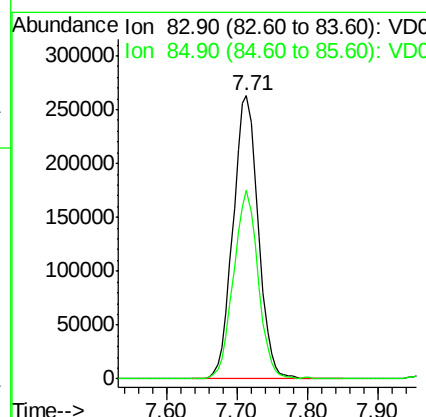
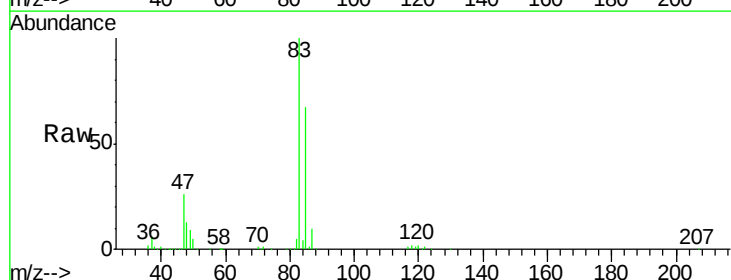
Manual Integrations
APPROVED

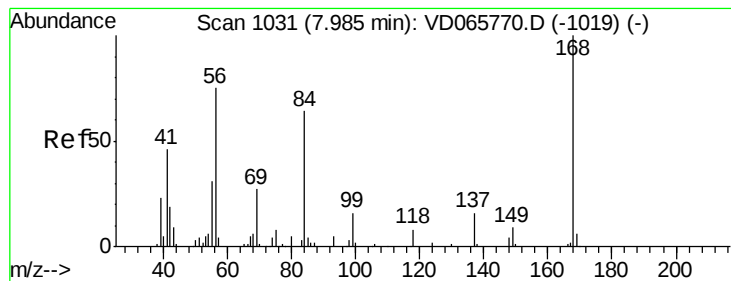
MMDadoda
6/5/2020 4:12:48 PM



#30
Chloroform
Concen: 132.83 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	51.9	77.9





#31

Cyclohexane

Concen: 122.39 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 56 Resp: 572047
Ion Ratio Lower Upper

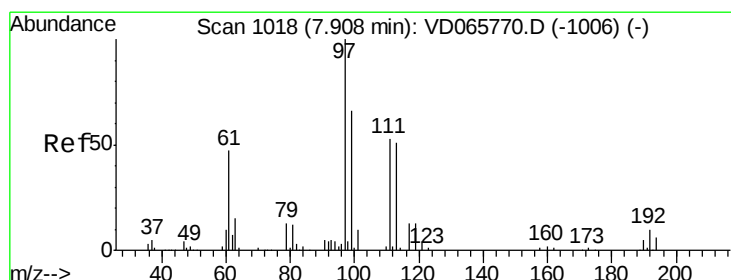
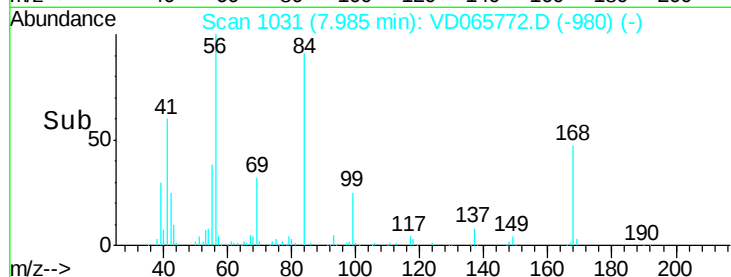
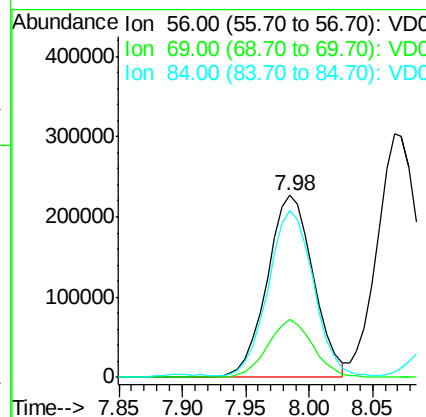
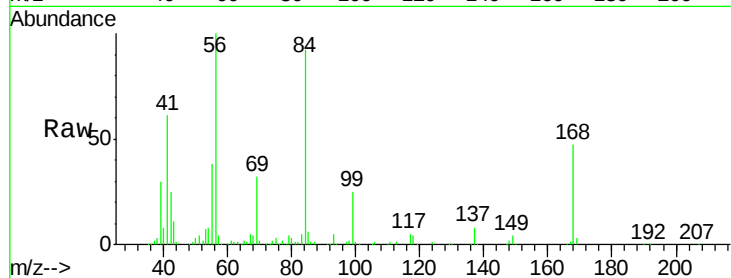
56 100

69 31.7 28.5 42.7

84 90.9 68.4 102.6

Manual Integrations
APPROVED

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6/5/2020 4:12:48 PM



#32

1,1,1-Trichloroethane

Concen: 132.86 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065772.D

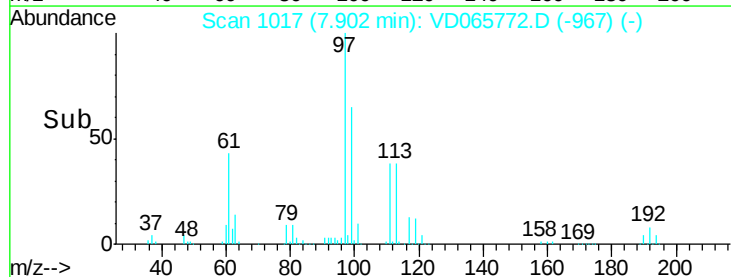
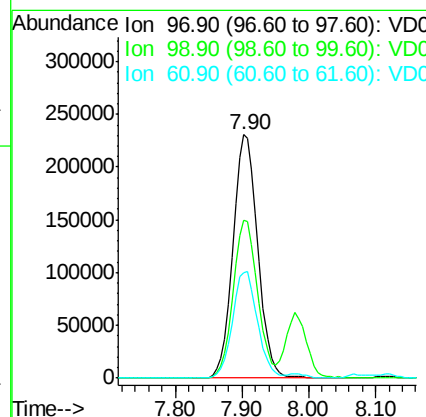
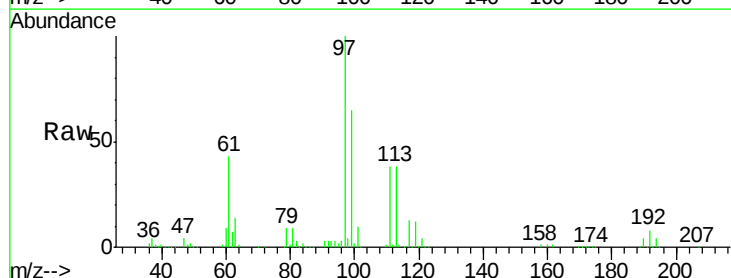
Acq: 05 Jun 2020 12:45

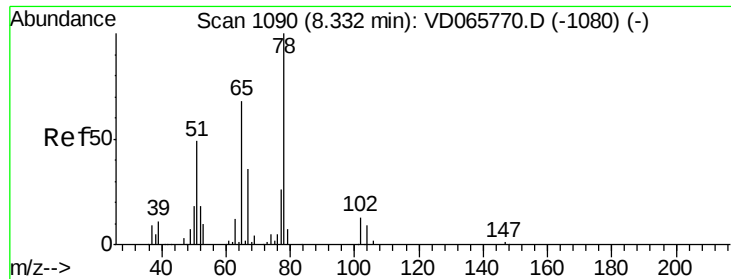
Tgt Ion: 97 Resp: 601315
Ion Ratio Lower Upper

97 100

99 64.3 49.2 73.8

61 44.0 36.0 54.0





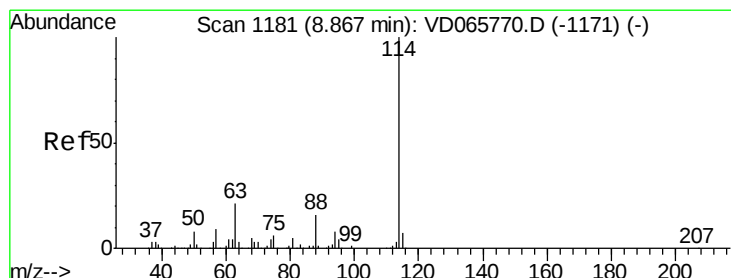
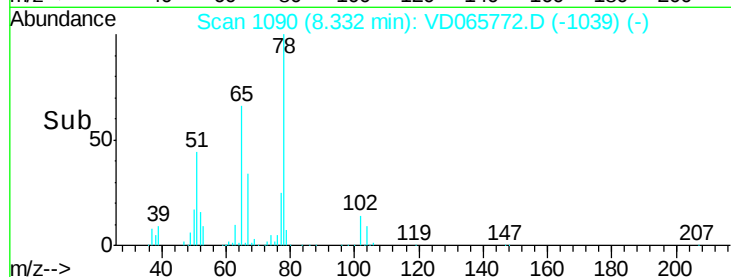
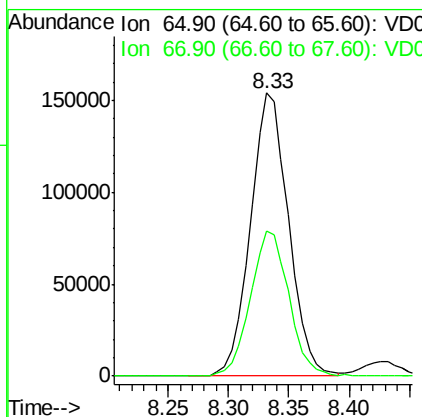
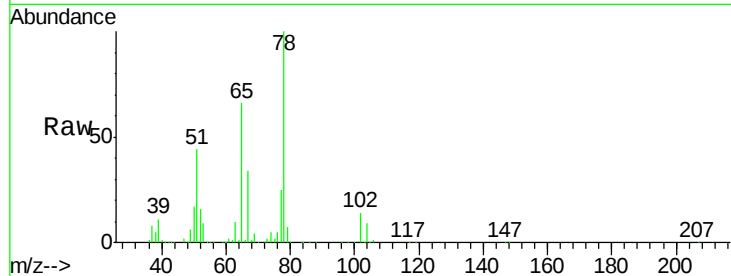
#33
 1,2-Dichloroethane-d4
 Concen: 136.19 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	338631		
67	52.0	0.0	103.6	

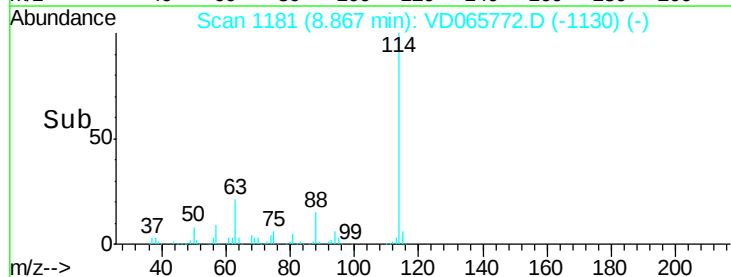
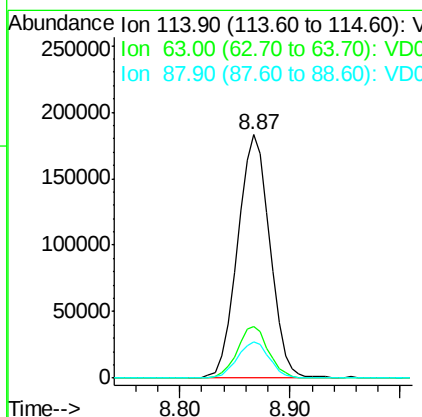
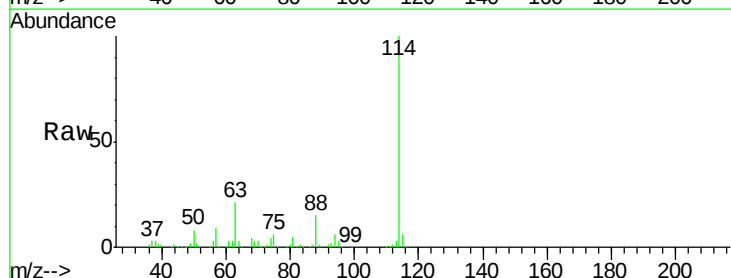
Manual Integrations
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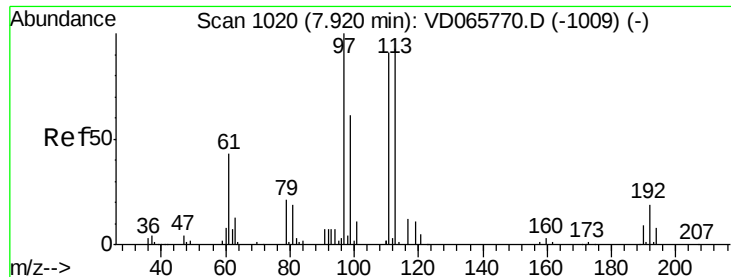
MMDadoda
 6/5/2020 4:12:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	375905		
63	21.4	0.0	41.8	
88	15.0	0.0	32.0	





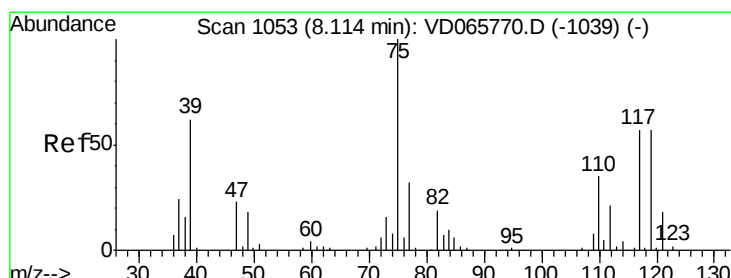
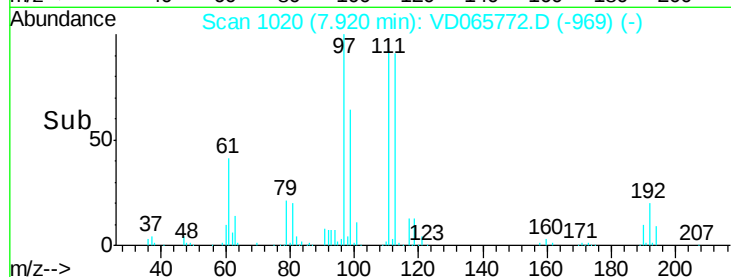
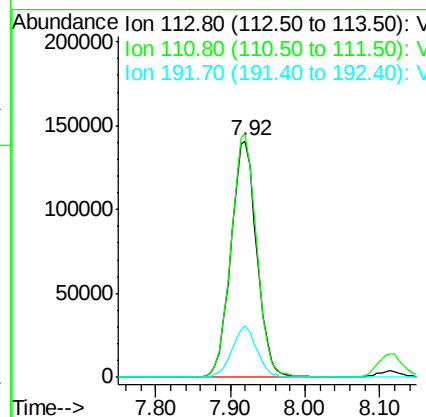
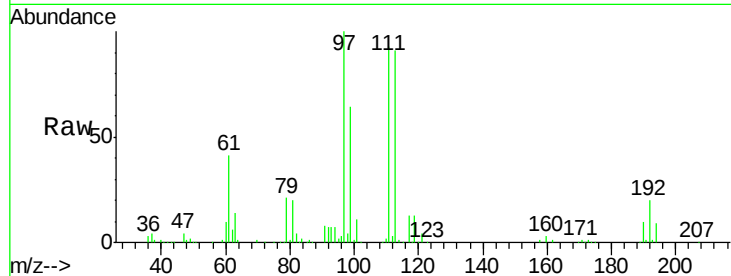
#35
Dibromofluoromethane
Concen: 142.68 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	339977		
111	102.1	83.4	125.0	
192	21.0	15.7	23.5	

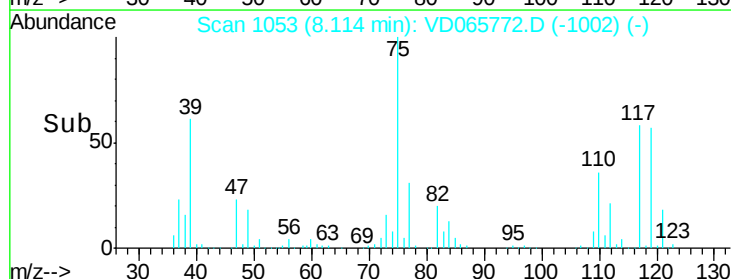
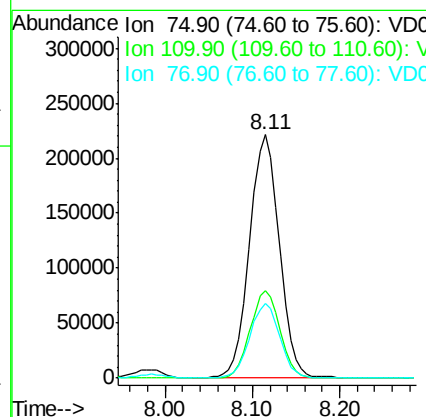
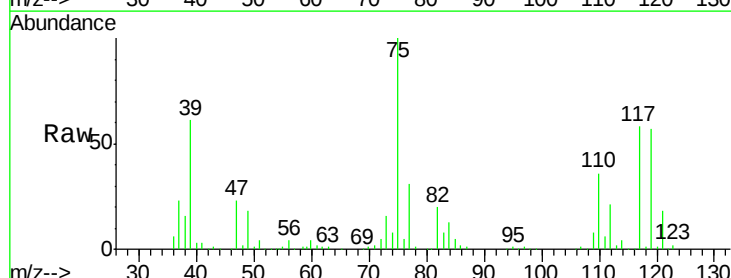
Manual Integrations
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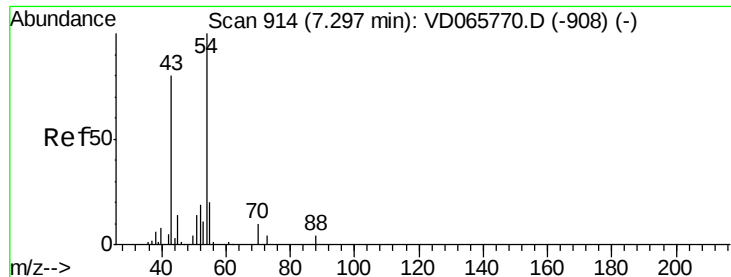
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6/5/2020 4:12:48 PM



#36
1,1-Dichloropropene
Concen: 138.38 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	511421		
110	35.9	17.6	52.8	
77	31.2	25.1	37.7	





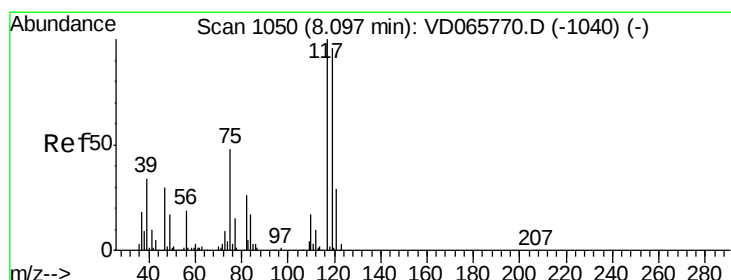
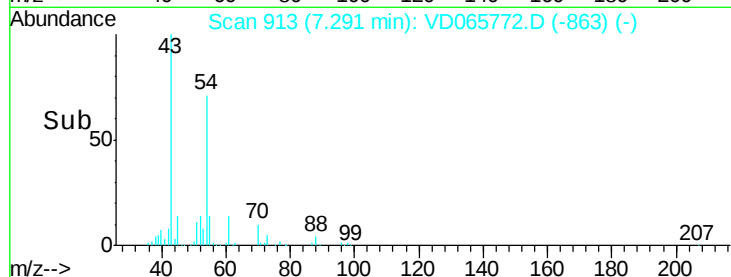
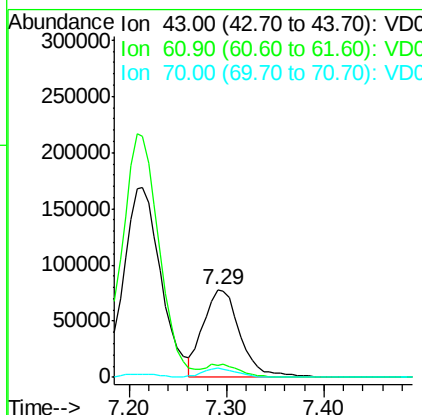
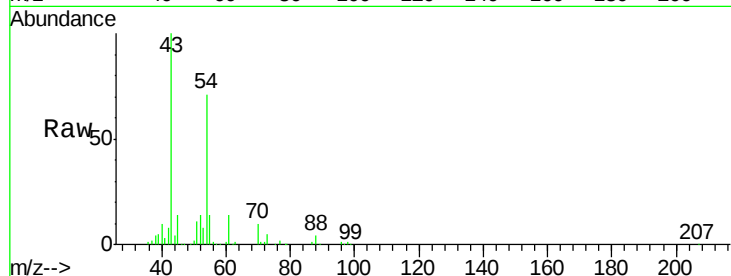
#37
Ethyl Acetate
Concen: 140.71 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.6	15.8
70	10.0	7.5	11.3

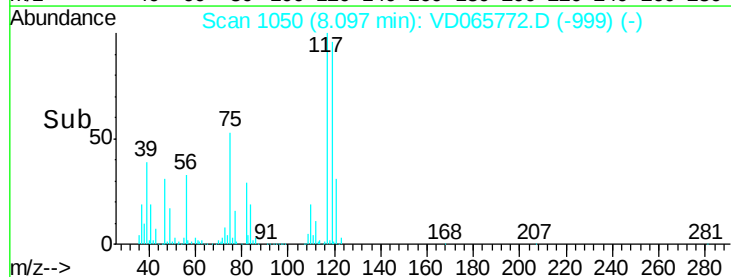
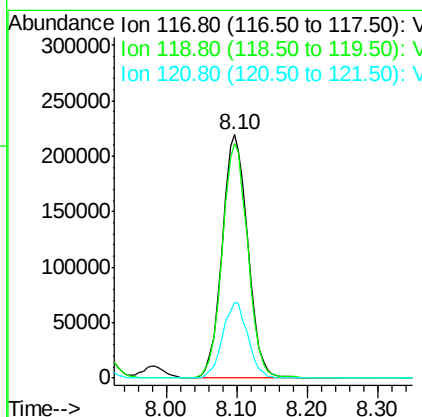
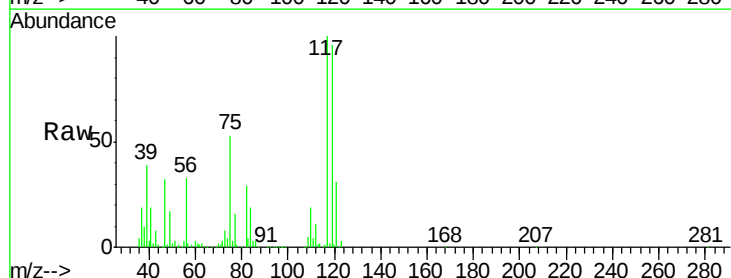
Manual Integrations
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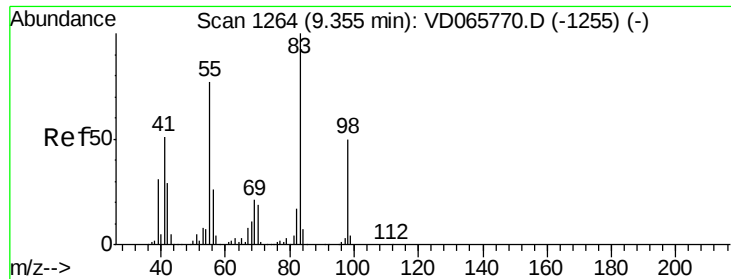
MMDadoda
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#38
Carbon Tetrachloride
Concen: 141.26 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	76.8	115.2
121	31.4	23.4	35.2





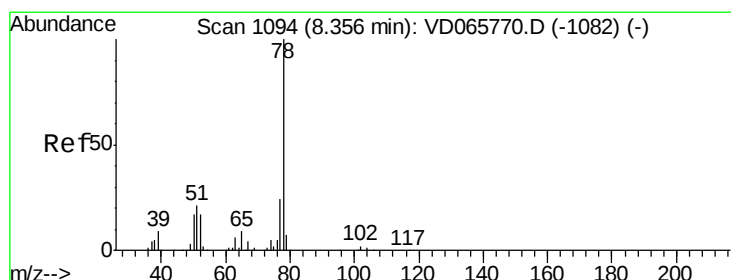
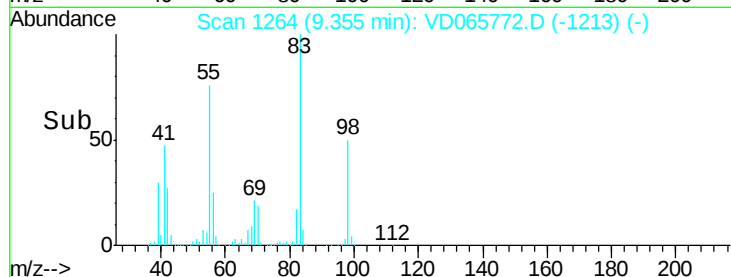
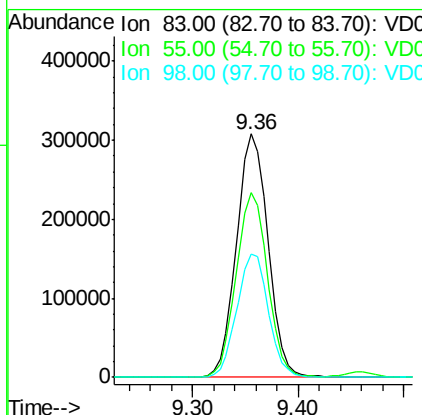
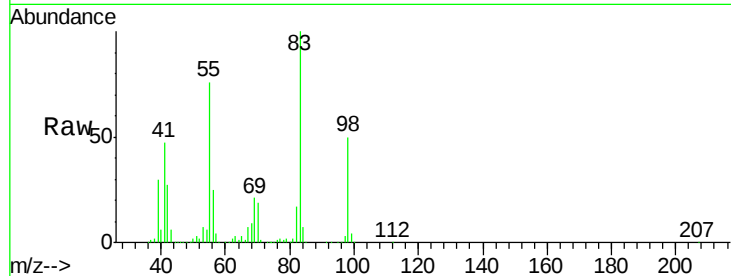
#39
Methylcyclohexane
Concen: 149.35 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.0	61.6	92.4
98	50.4	40.2	60.2

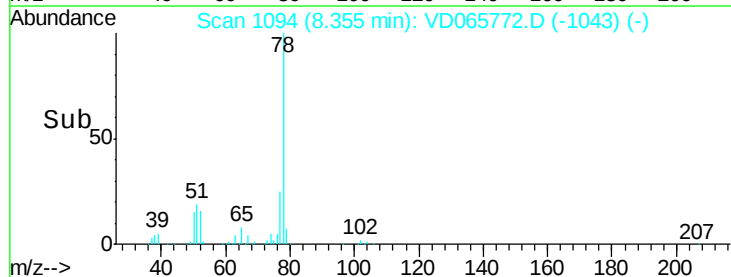
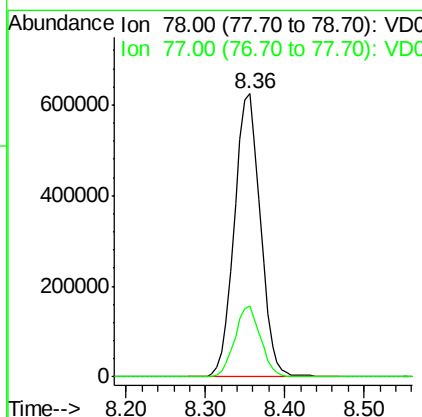
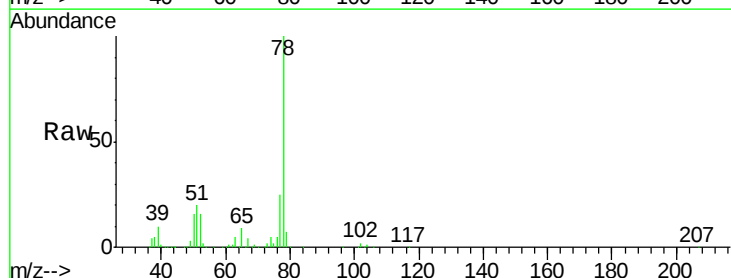
Manual Integrations
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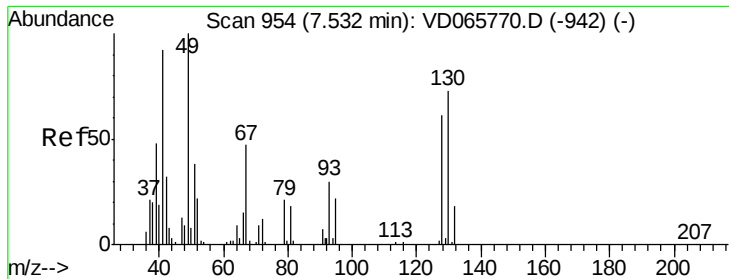
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#40
Benzene
Concen: 142.70 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8





#41

Methacrylonitrile

Concen: 132.17 ug/l m

RT: 7.54 min Scan# 955

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

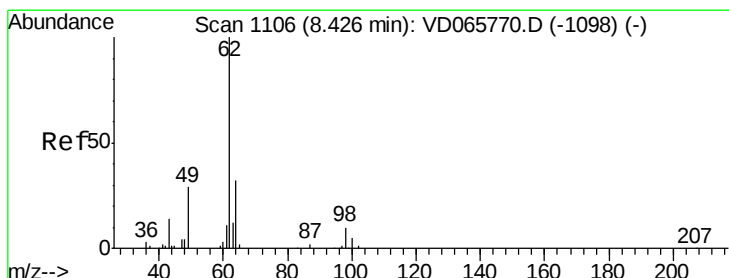
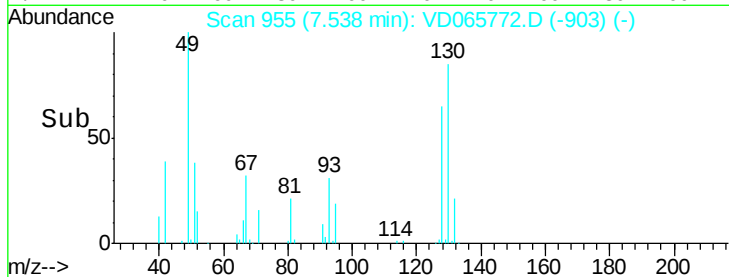
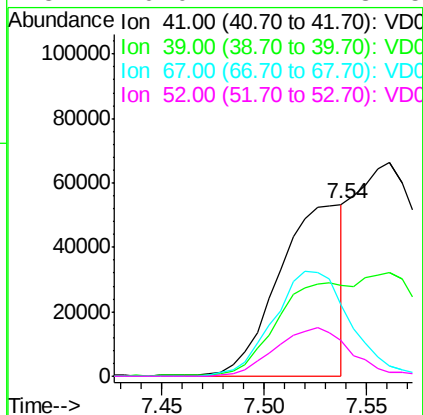
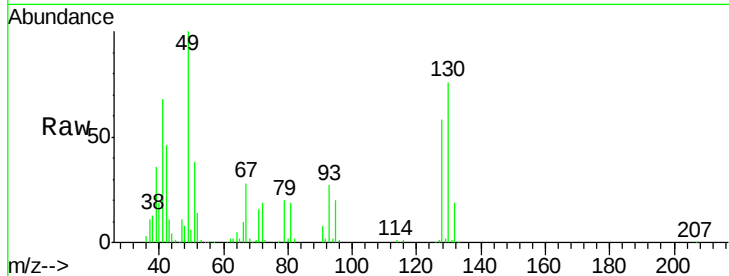
ClientSampleId :

VSTDIC150

Tgt Ion	Ratio	Lower	Upper
41	100		
39	0.0	38.3	57.5#
67	0.0	49.8	74.6#
52	0.0	21.7	32.5#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 134.25 ug/l

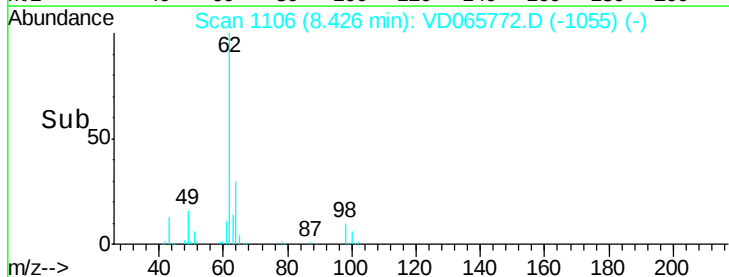
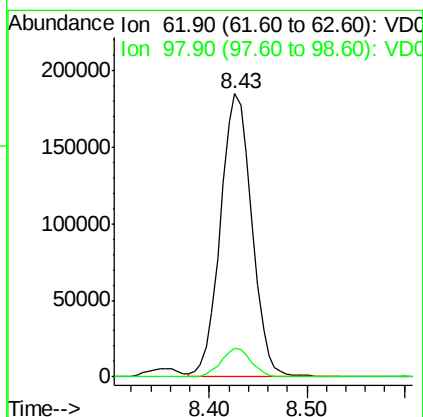
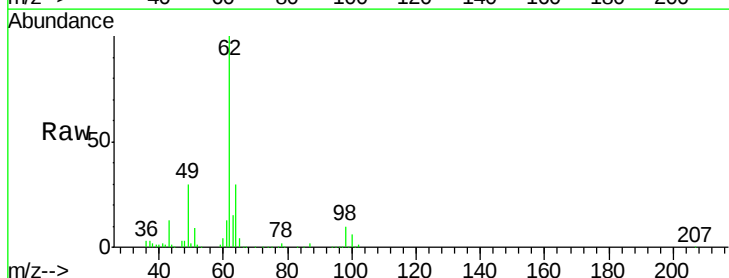
RT: 8.43 min Scan# 1106

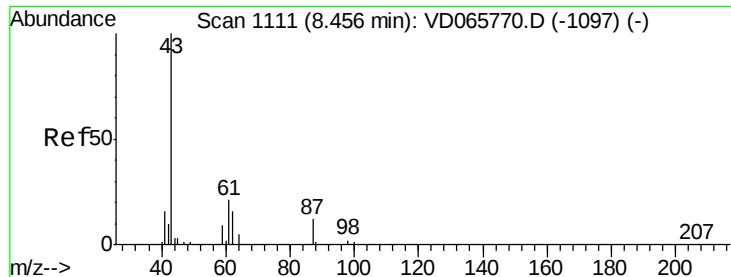
Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	18.6





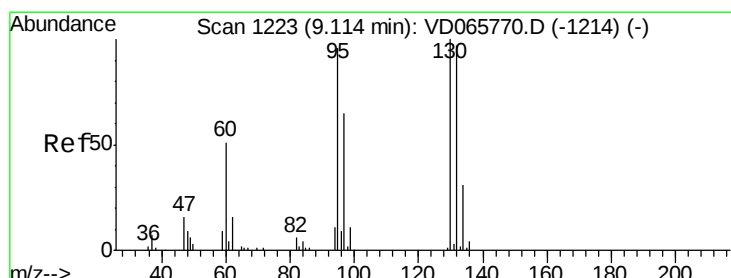
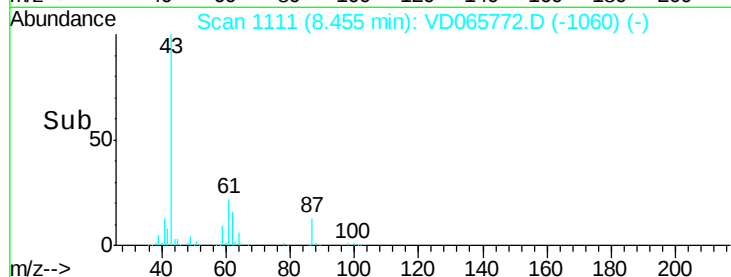
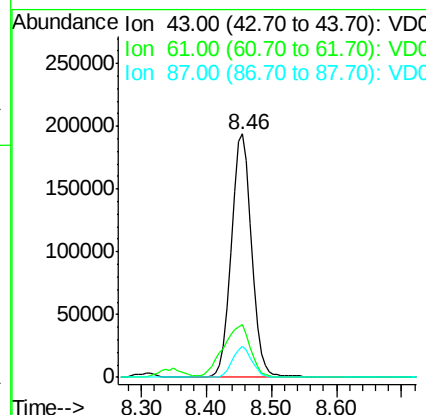
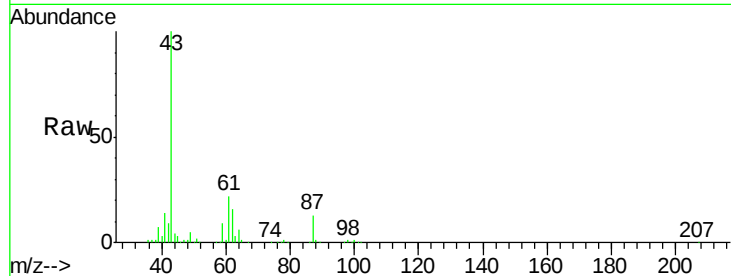
#43
Isopropyl Acetate
Concen: 148.60 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
43	100		
61	29.6	24.2	36.4
87	12.2	9.5	14.3

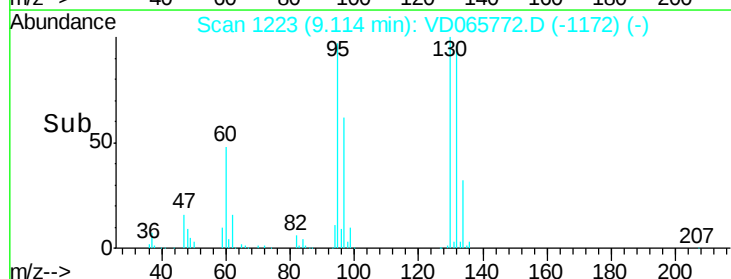
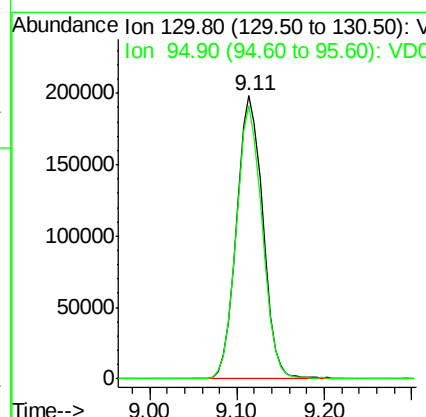
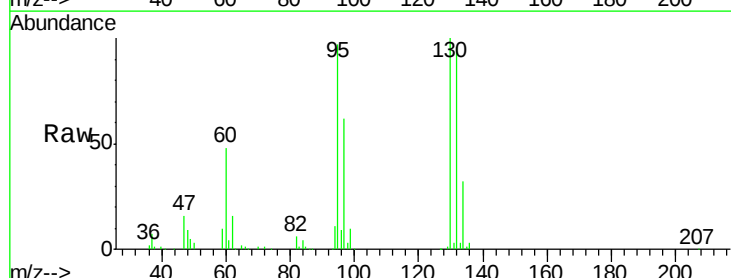
Manual Integrations
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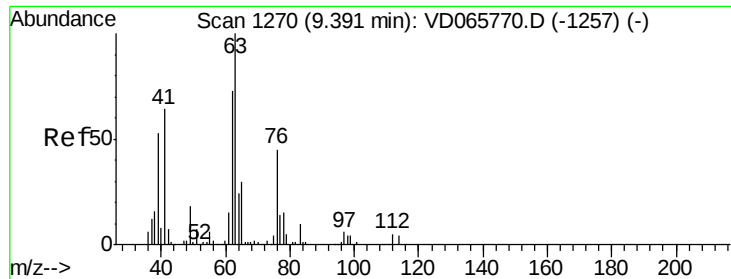
MMDadoda
6/5/2020 4:12:48 PM



#44
Trichloroethene
Concen: 145.14 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	192.8





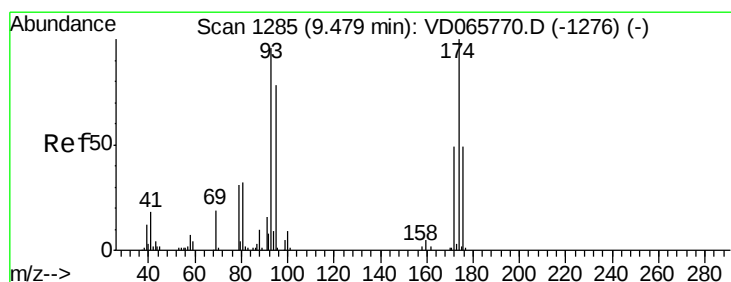
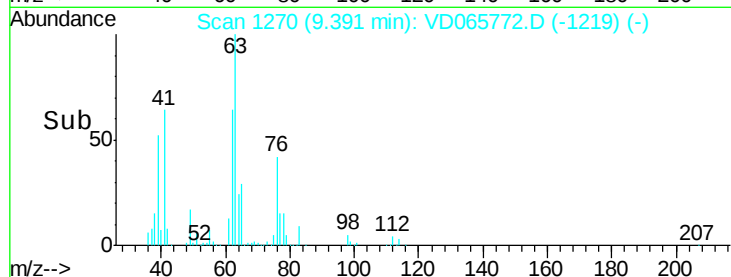
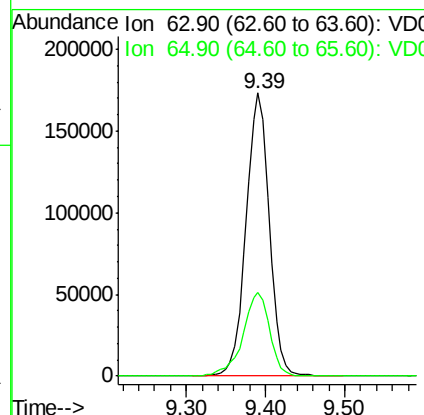
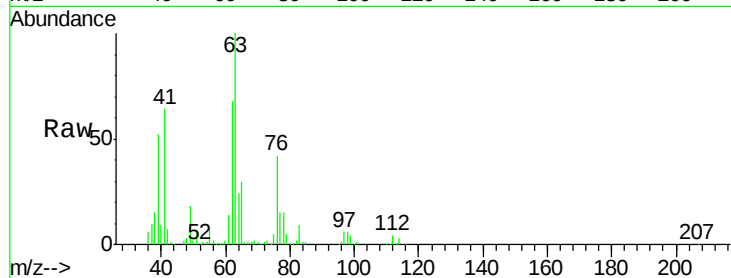
#45
 1,2-Dichloropropane
 Concen: 139.88 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Lower	Upper
63	100		
65	29.6	24.2	36.2

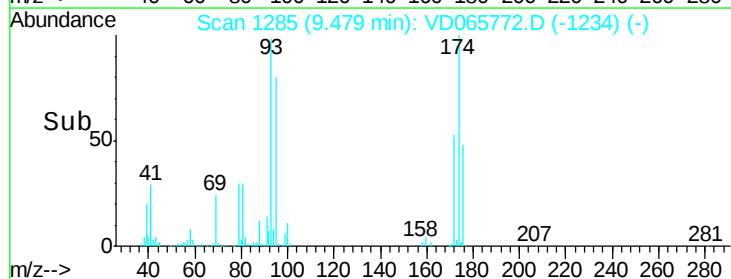
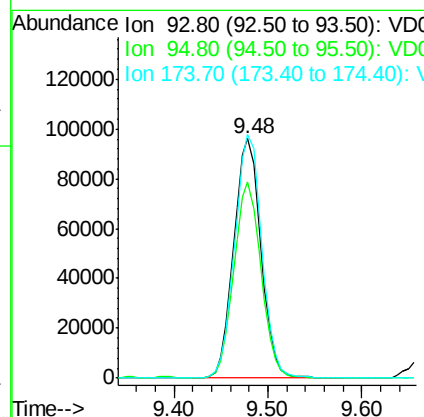
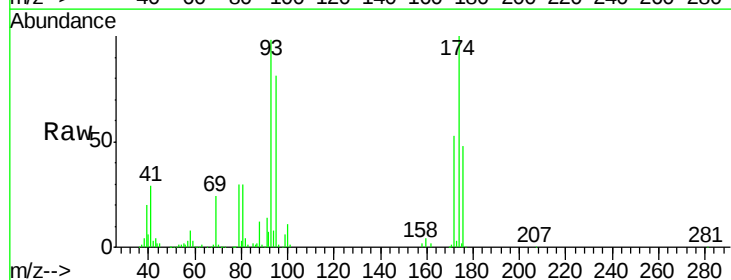
Manual Integrations
 APPROVED

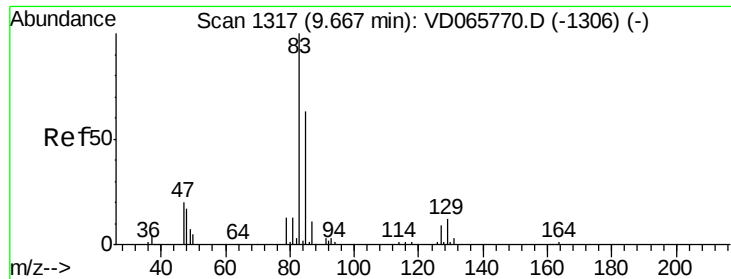
MMDadoda
 6/5/2020 4:12:48 PM



#46
 Dibromomethane
 Concen: 142.38 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.8	98.6
174	101.5	80.9	121.3





#47

Bromodichloromethane

Concen: 140.34 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

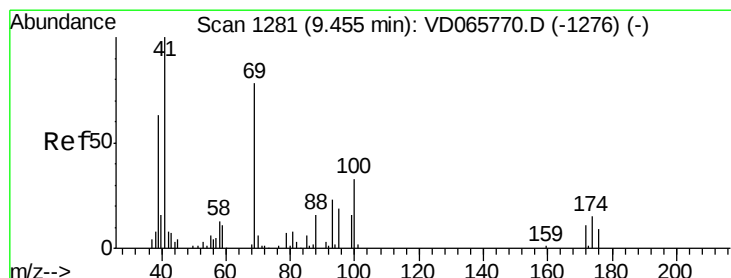
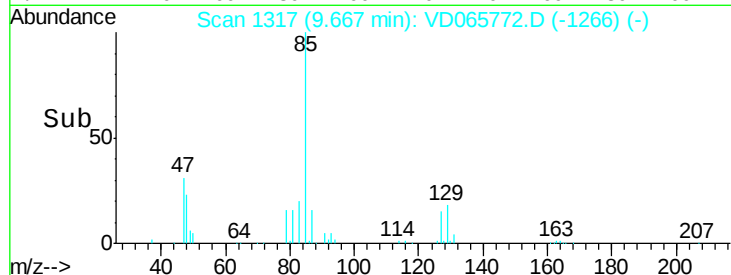
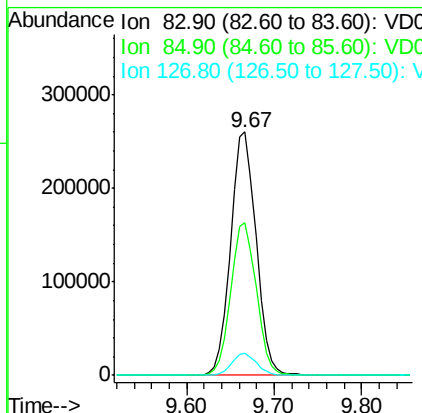
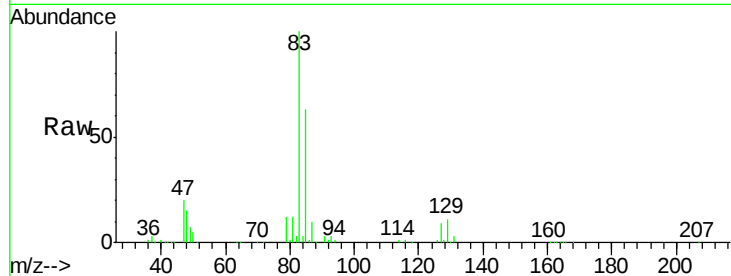
ClientSampleId :

VSTDIC150

Tgt Ion:	83	Resp:	514513
Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.7	76.1
127	9.1	7.1	10.7

Manual Integrations
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6/5/2020 4:12:48 PM



#48

Methyl methacrylate

Concen: 148.71 ug/l

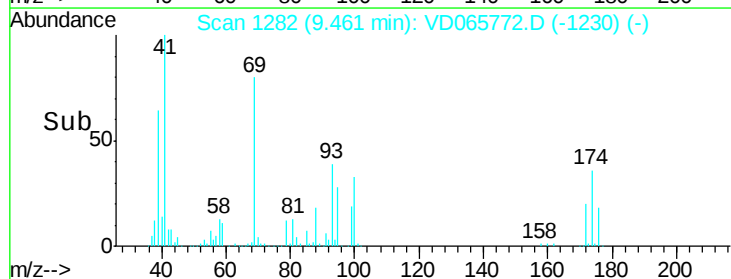
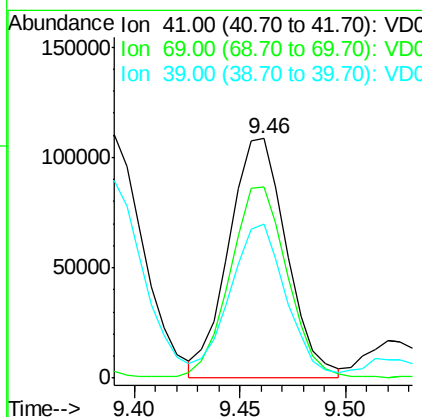
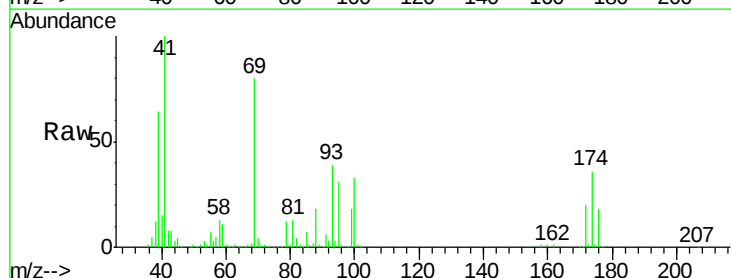
RT: 9.46 min Scan# 1282

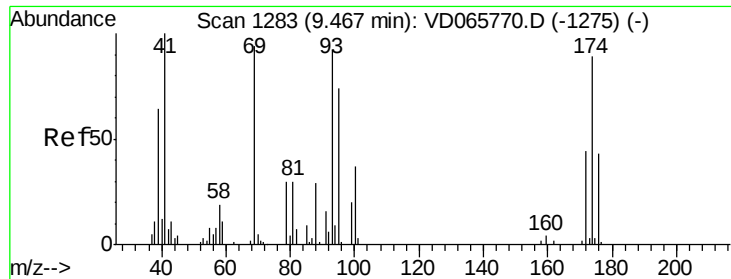
Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion:	41	Resp:	205264
Ion	Ratio	Lower	Upper
41	100		
69	79.1	60.9	91.3
39	58.5	48.1	72.1





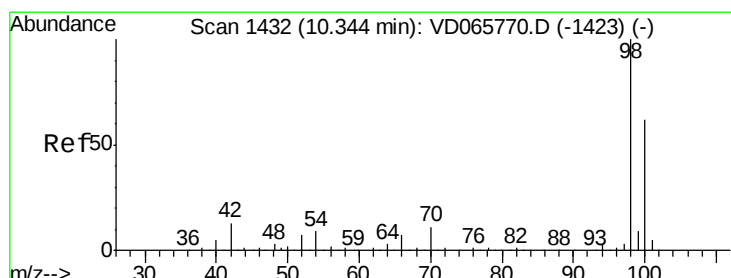
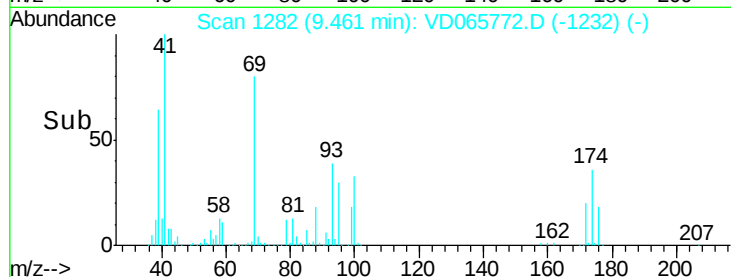
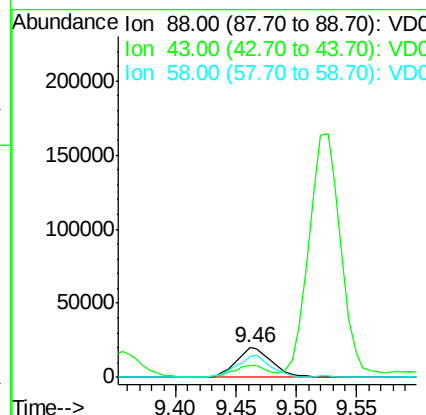
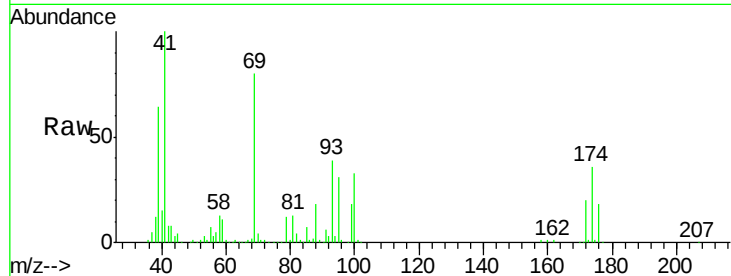
#49
1,4-Dioxane
Concen: 2893.30 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Lower	Upper
88	100		
43	40.0	32.2	48.4
58	70.3	54.9	82.3

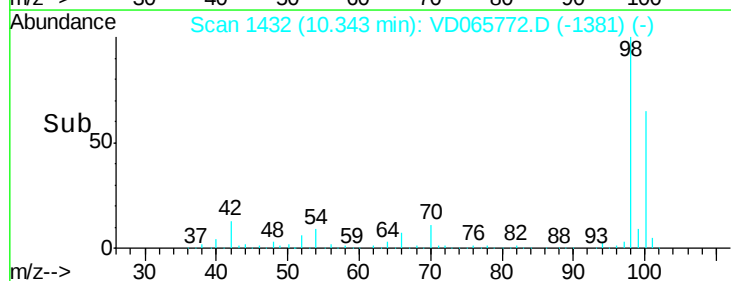
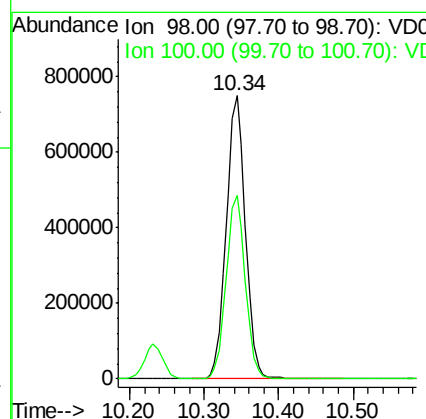
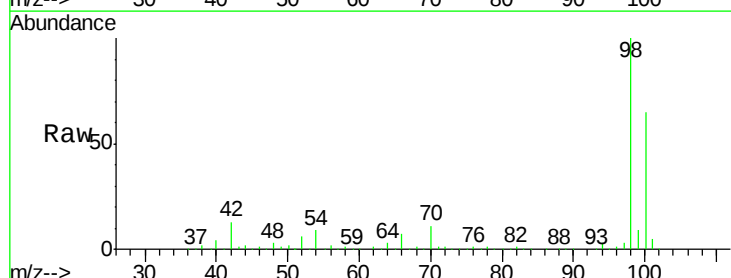
Manual Integrations
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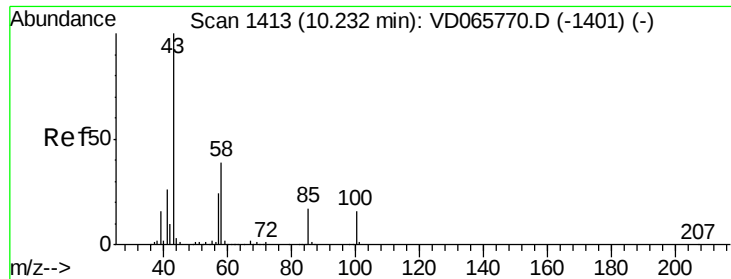
MMDadoda
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#50
Toluene-d8
Concen: 154.33 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.2





#51

4-Methyl-2-Pentanone

Concen: 742.90 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 43 Resp: 1021320

Ion Ratio Lower Upper

43 100

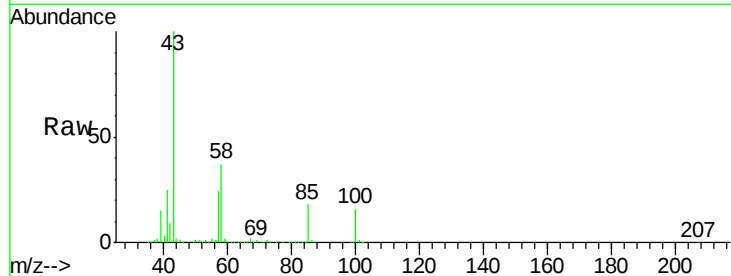
58 37.6 30.7 46.1

Manual Integrations

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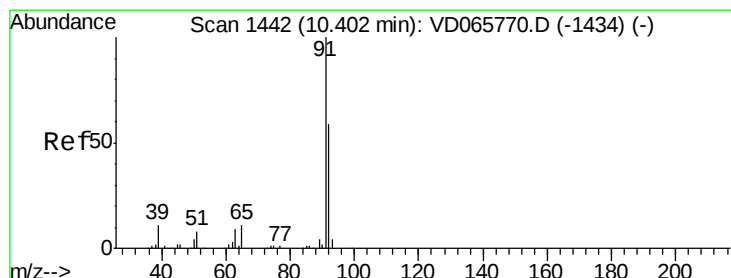
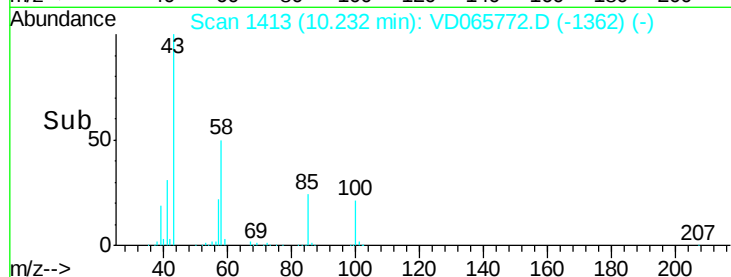
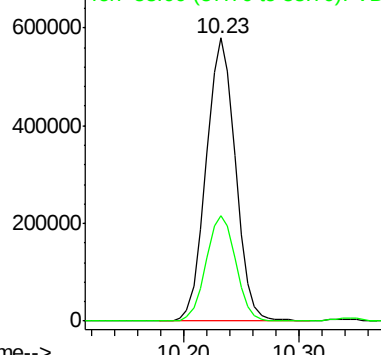
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 149.67 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.01 min

Lab File: VD065772.D

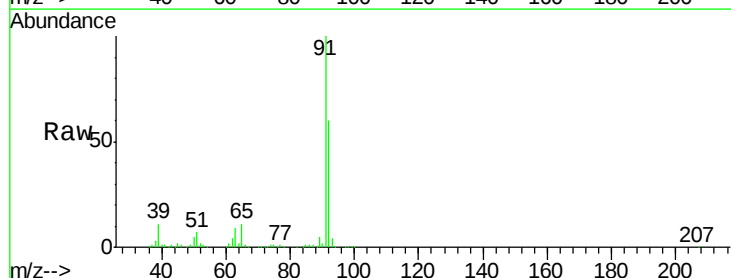
Acq: 05 Jun 2020 12:45

Tgt Ion: 92 Resp: 957564

Ion Ratio Lower Upper

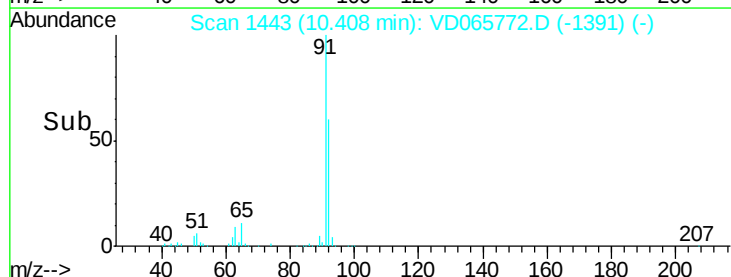
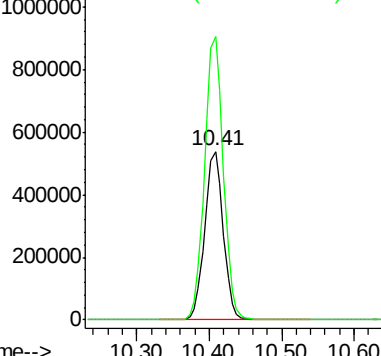
92 100

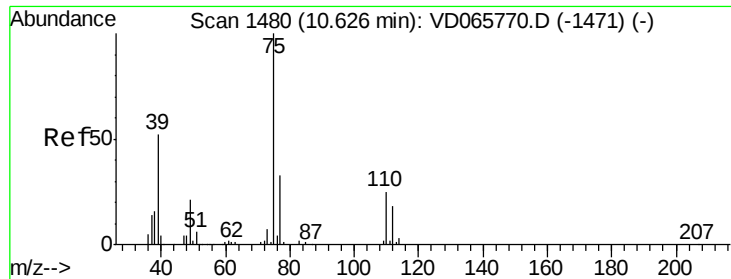
91 170.1 137.8 206.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





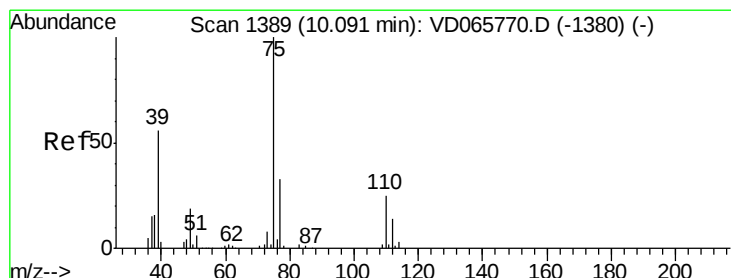
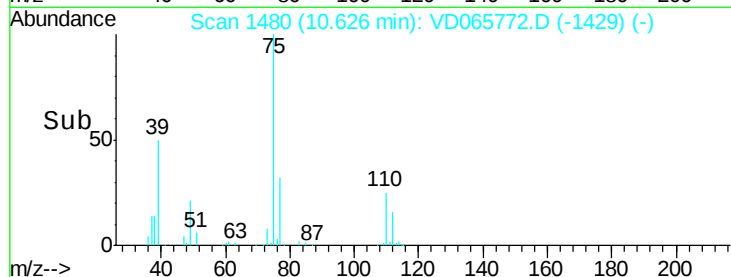
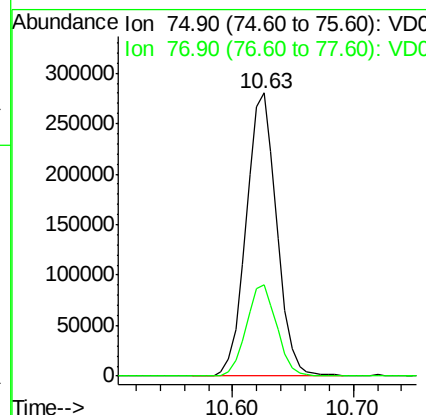
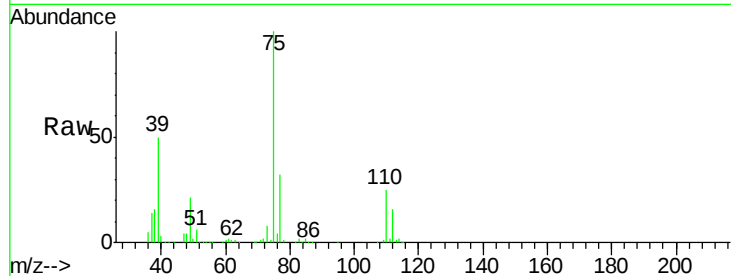
#53
 t-1,3-Dichloropropene
 Concen: 152.48 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 75 Resp: 492573
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.4 39.6

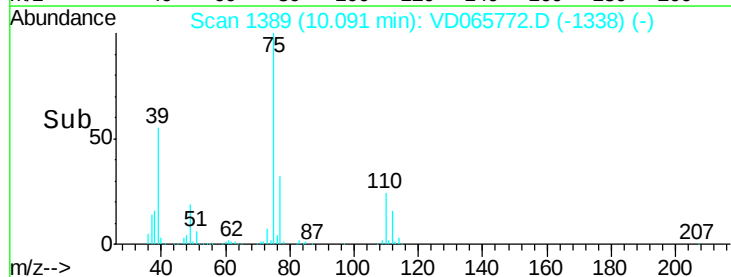
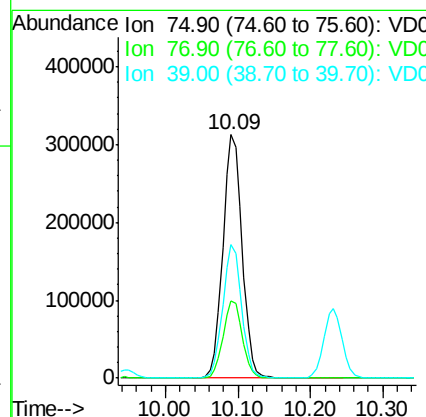
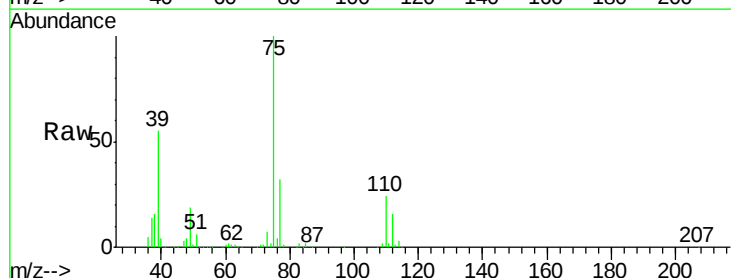
Manual Integrations
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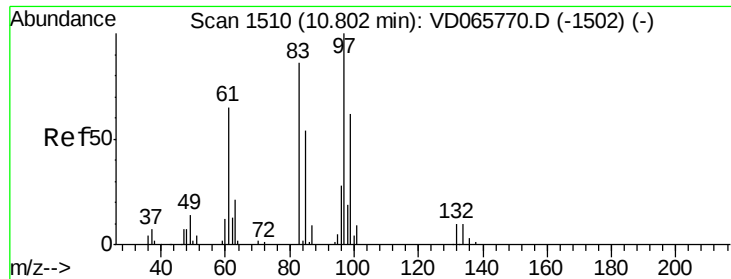
MMDadoda
 6/5/2020 4:12:48 PM



#54
 cis-1,3-Dichloropropene
 Concen: 150.43 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 75 Resp: 575812
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.0 39.0
 39 54.8 45.0 67.6





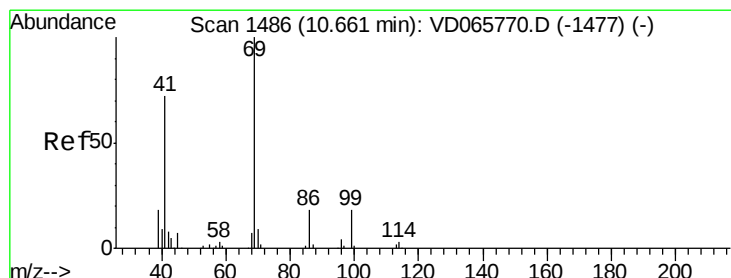
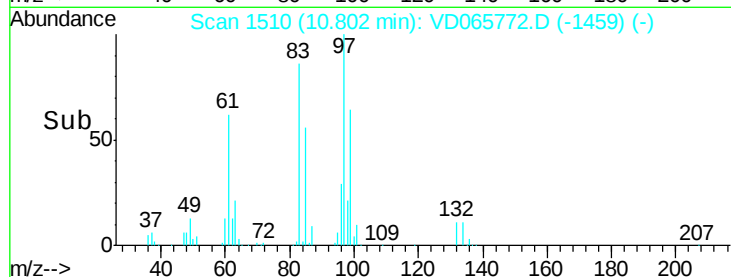
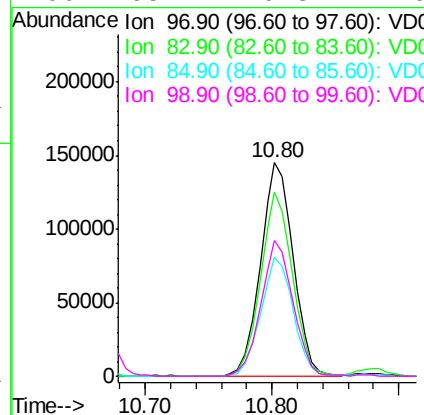
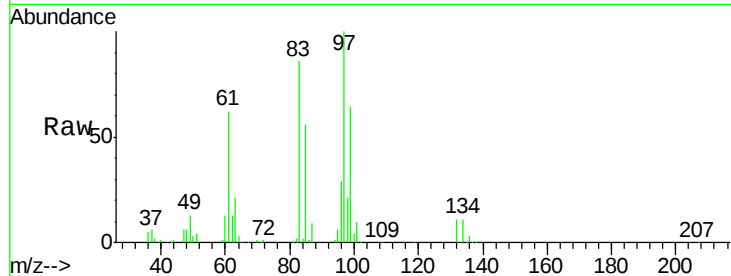
#55
 1,1,2-Trichloroethane
 Concen: 144.01 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	260412		
83	86.3	68.7	103.1	
85	55.6	43.0	64.6	
99	63.7	49.8	74.6	

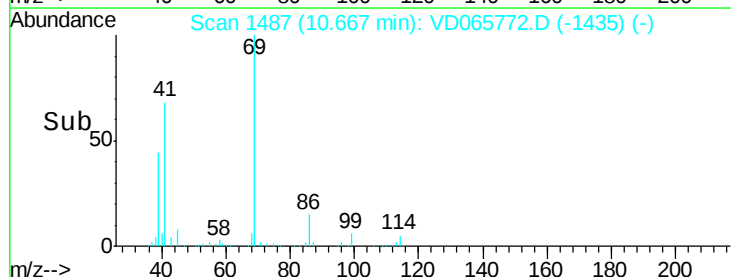
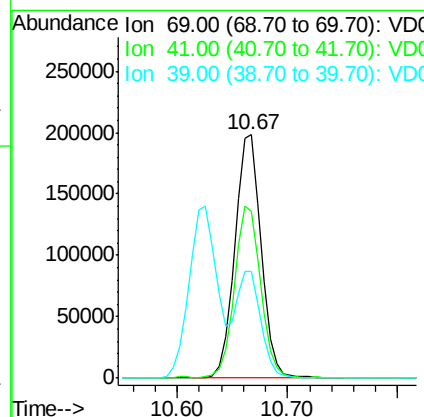
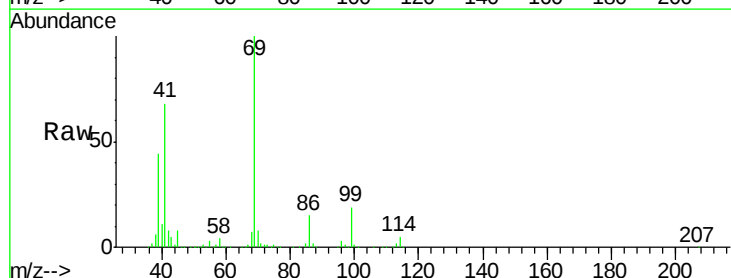
Manual Integrations
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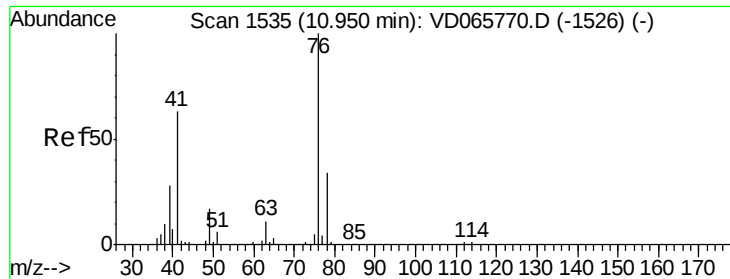
MMDadoda
 6/5/2020 4:12:48 PM



#56
 Ethyl methacrylate
 Concen: 162.19 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
69	100	332419		
41	69.7	56.9	85.3	
39	43.2	36.0	54.0	





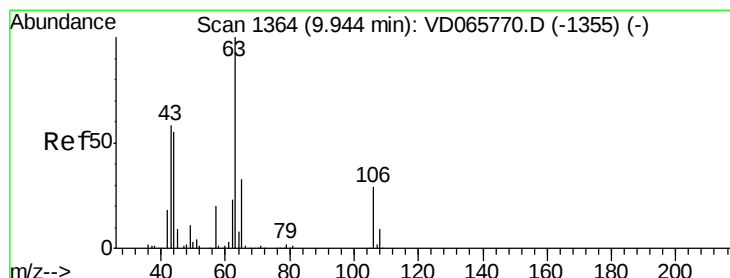
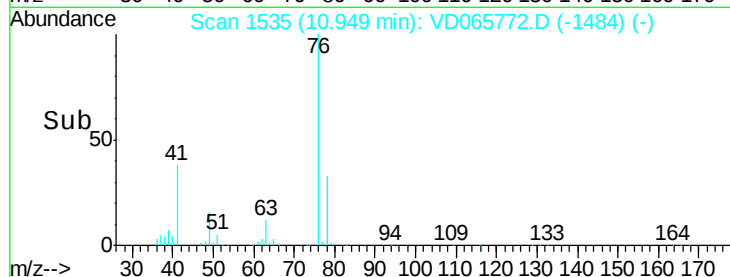
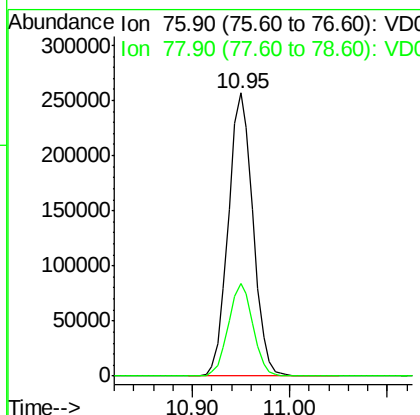
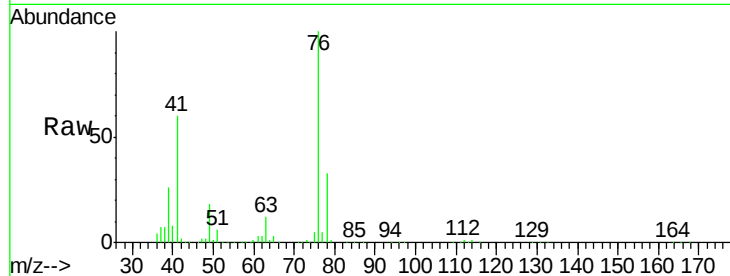
#57
 1,3-Dichloropropane
 Concen: 143.33 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 76 Resp: 448978
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.3 39.5

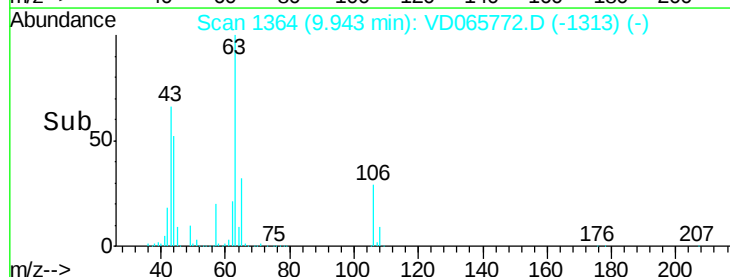
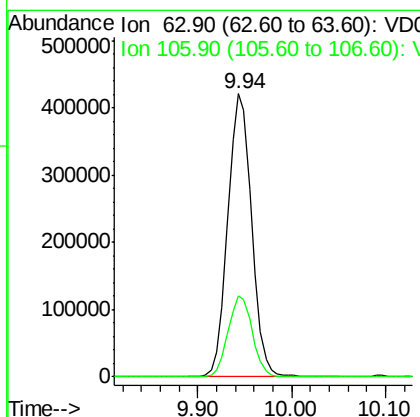
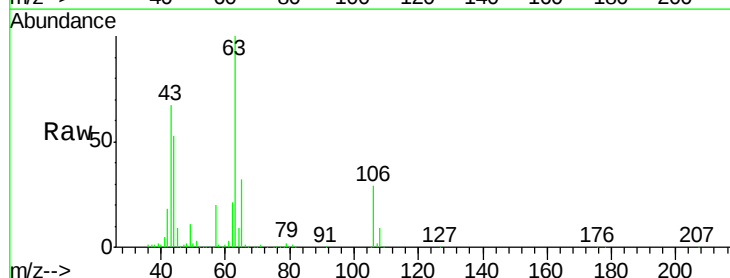
Manual Integrations
 APPROVED

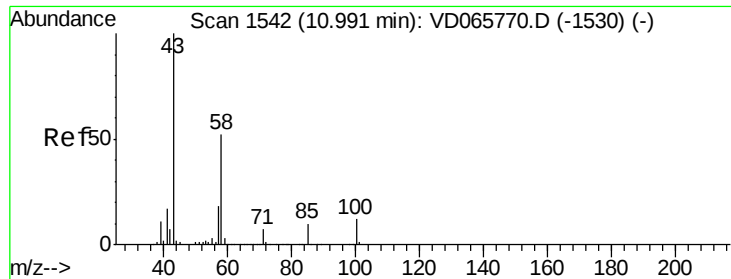
MMDadoda
 6/5/2020 4:12:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 771.54 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 63 Resp: 741241
 Ion Ratio Lower Upper
 63 100
 106 29.0 23.2 34.8





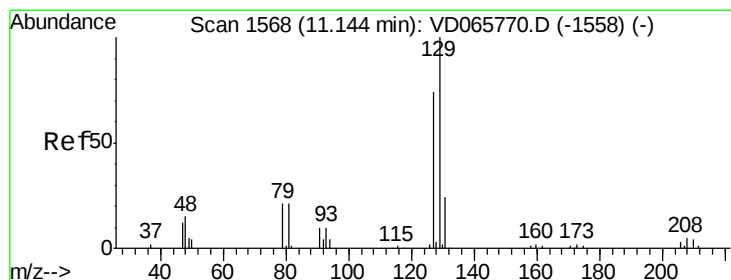
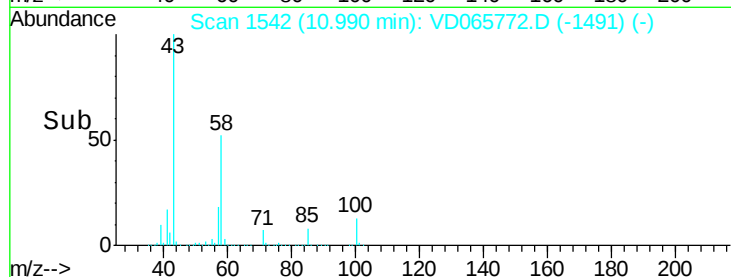
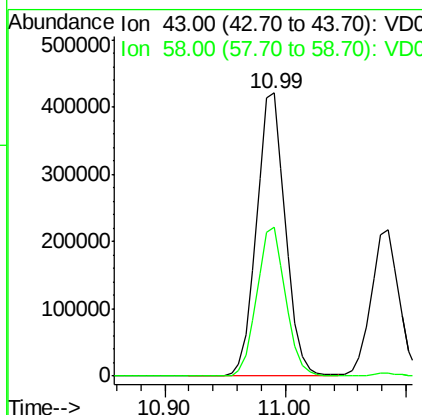
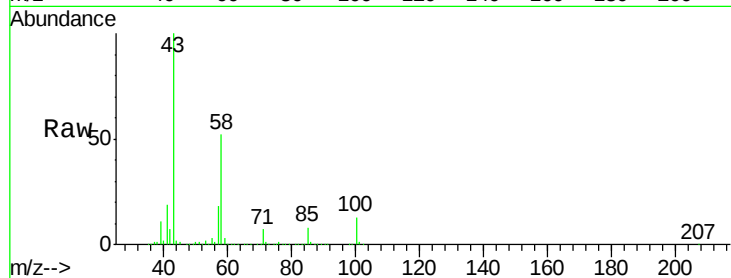
#59
2-Hexanone
Concen: 767.83 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 43 Resp: 703546
Ion Ratio Lower Upper
43 100
58 52.4 25.7 77.0

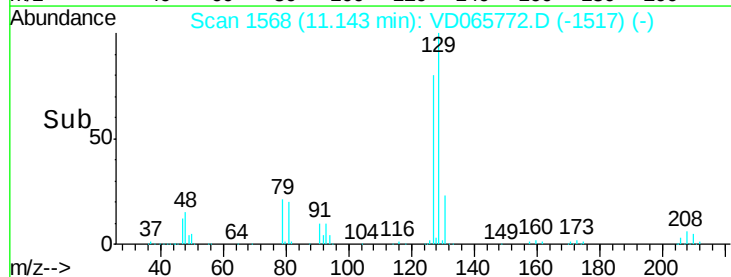
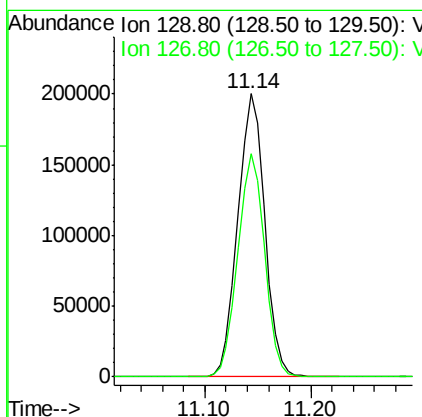
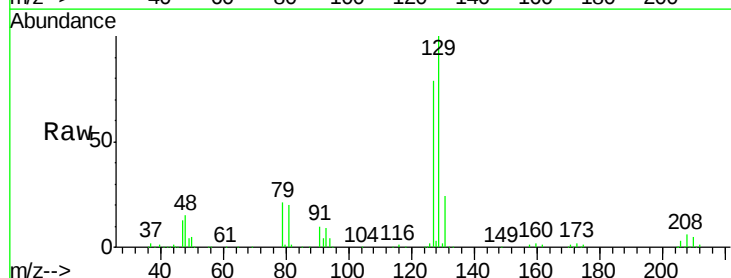
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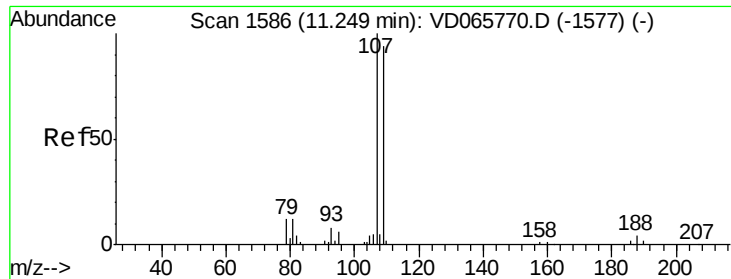
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#60
Dibromochloromethane
Concen: 145.39 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 129 Resp: 353717
Ion Ratio Lower Upper
129 100
127 78.3 38.0 113.9





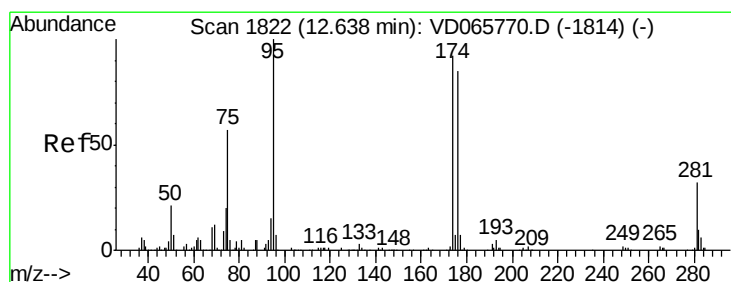
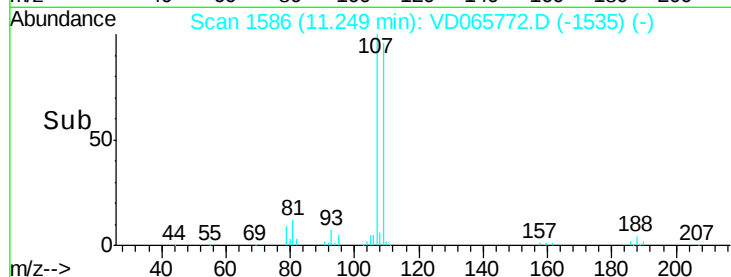
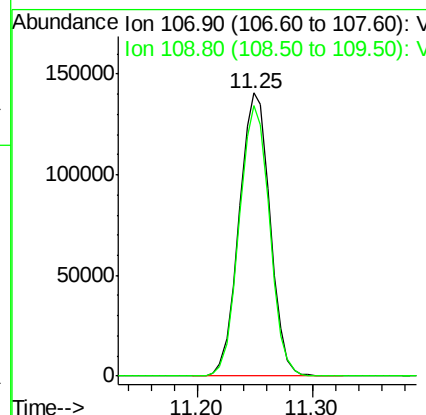
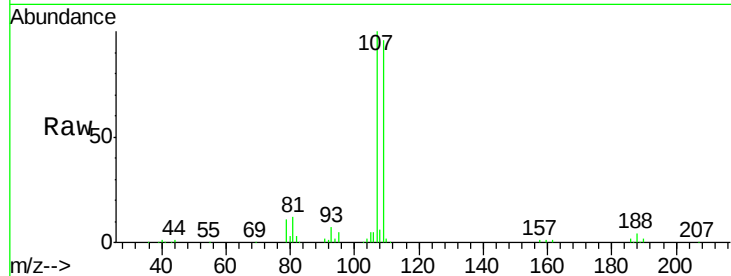
#61
 1,2-Dibromoethane
 Concen: 147.48 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion: 107 Resp: 259777
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.4 111.6

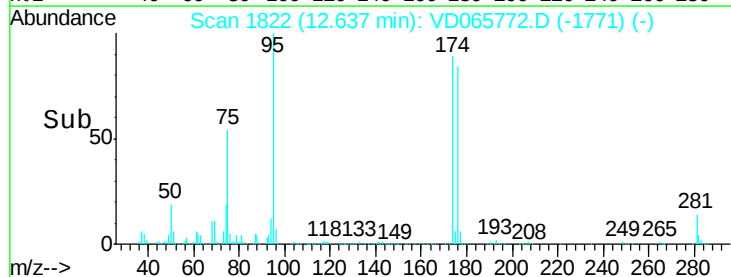
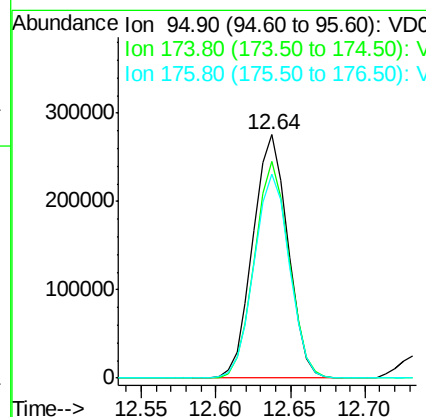
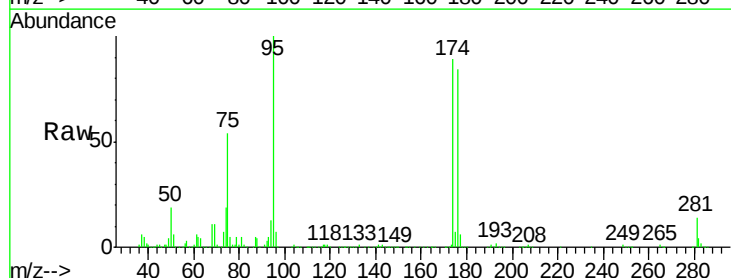
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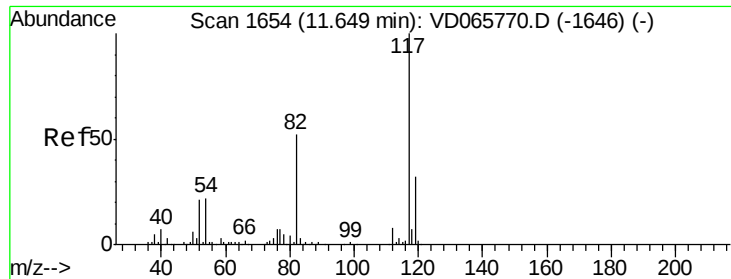
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#62
 4-Bromofluorobenzene
 Concen: 151.92 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion: 95 Resp: 446939
 Ion Ratio Lower Upper
 95 100
 174 87.6 0.0 175.2
 176 84.5 0.0 163.0





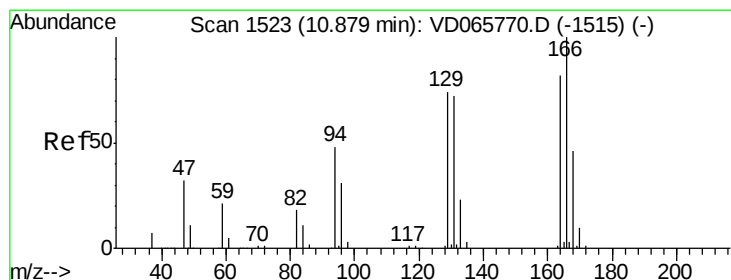
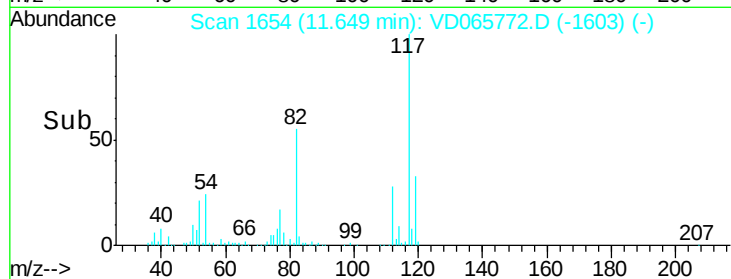
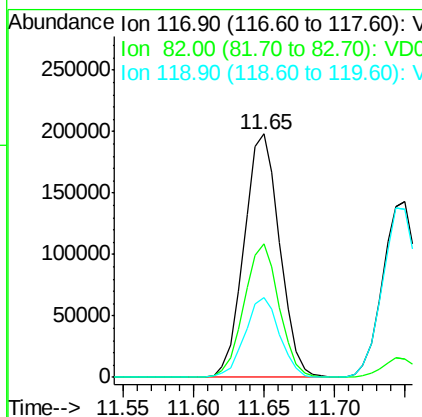
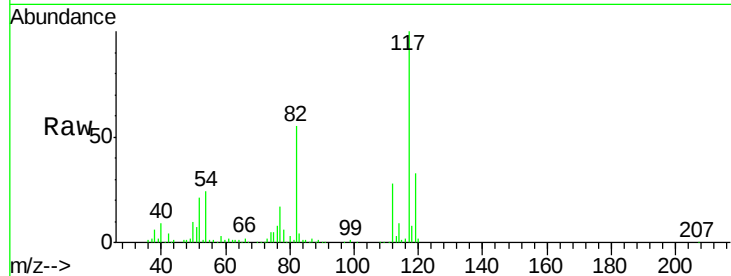
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	349406		
82	54.7	41.9	62.9	
119	32.5	25.3	37.9	

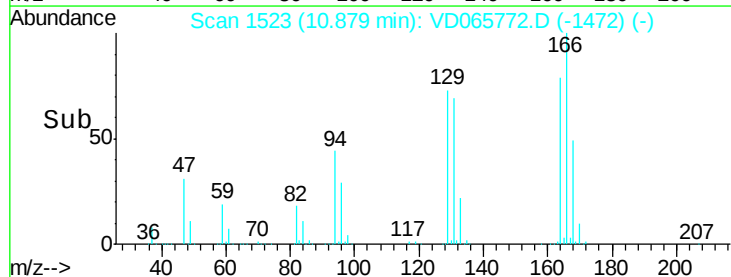
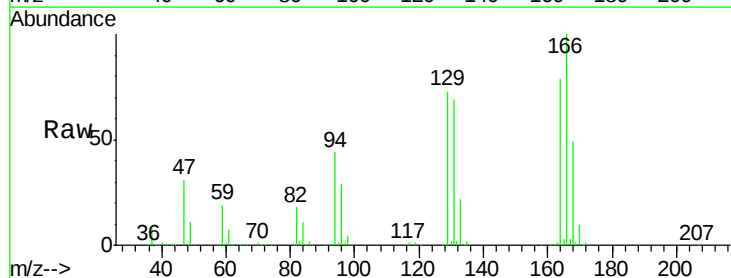
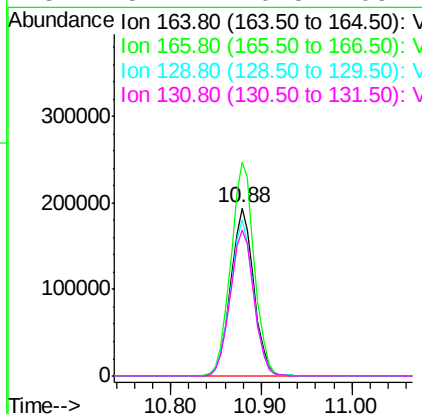
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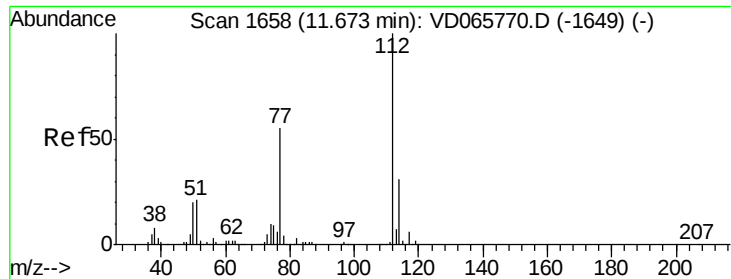
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#64
Tetrachloroethene
Concen: 142.24 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	344064		
166	127.2	98.2	147.2	
129	93.0	72.3	108.5	
131	87.2	70.5	105.7	





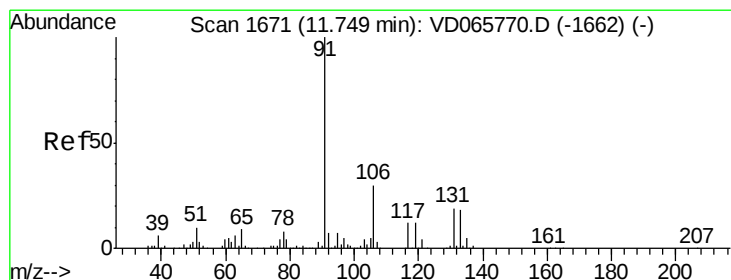
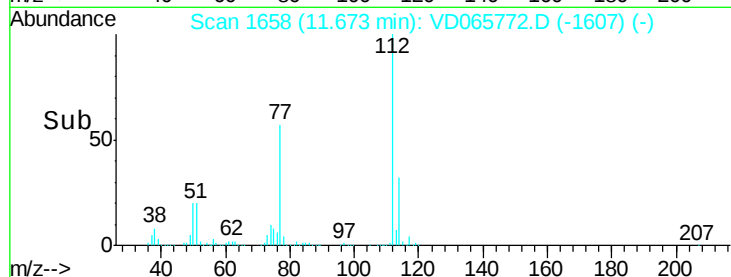
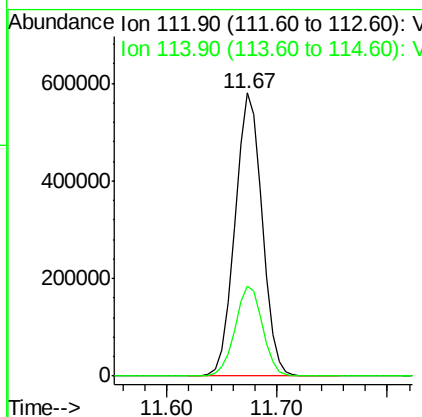
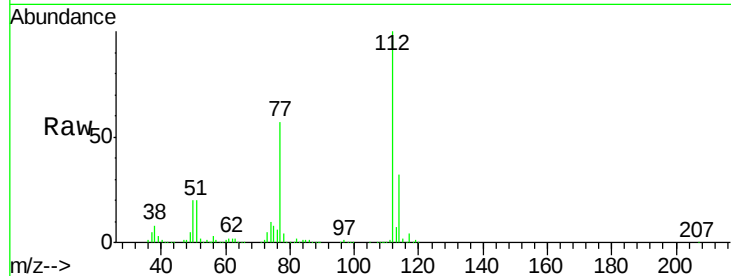
#65
Chlorobenzene
Concen: 144.73 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:112 Resp: 1000567
Ion Ratio Lower Upper
112 100
114 31.9 24.7 37.1

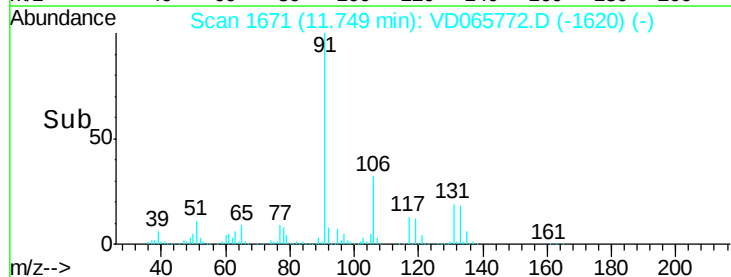
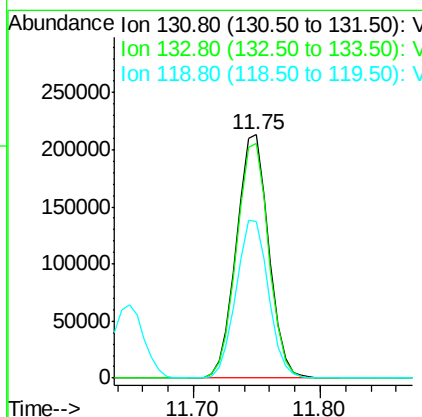
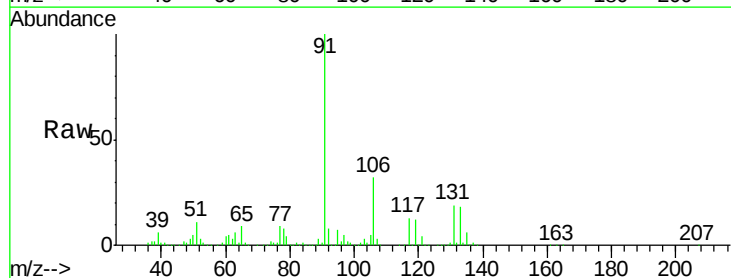
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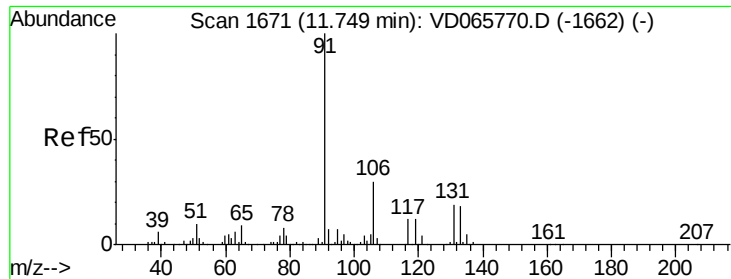
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#66
1,1,1,2-Tetrachloroethane
Concen: 146.76 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion:131 Resp: 375827
Ion Ratio Lower Upper
131 100
133 96.0 47.3 141.9
119 64.9 31.6 94.8





#67

Ethyl Benzene

Concen: 150.27 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 91 Resp: 1836664

Ion Ratio Lower Upper

91 100

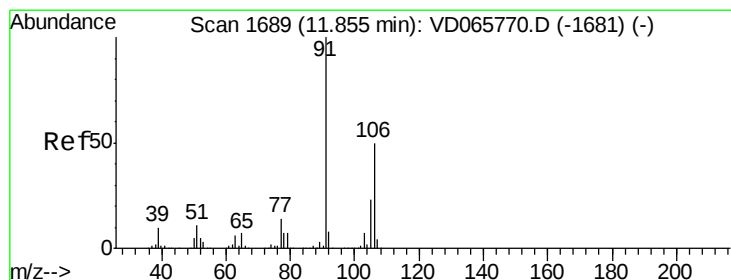
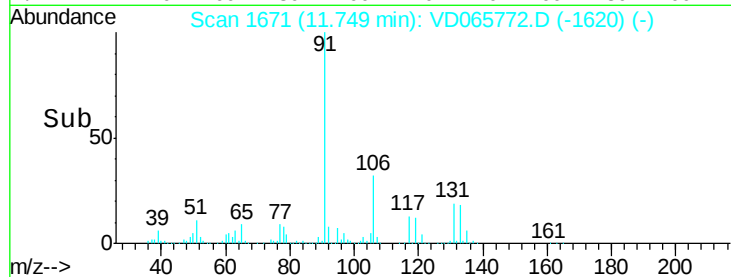
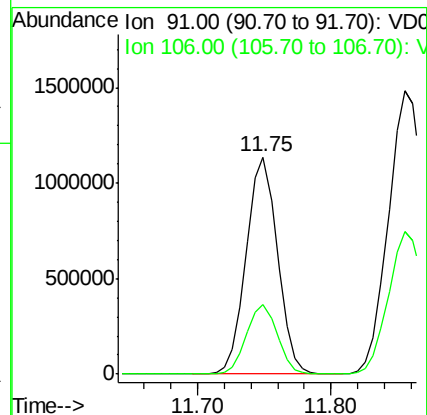
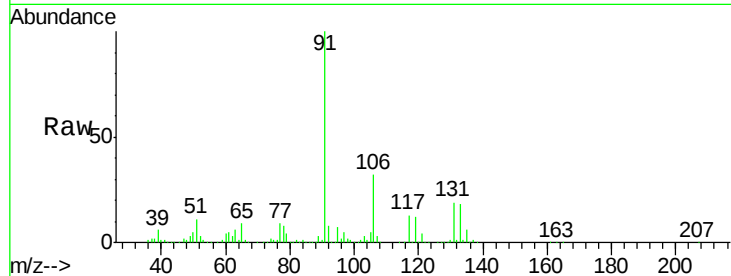
106 32.0 24.1 36.1

Manual Integrations

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#68

m/p-Xylenes

Concen: 299.95 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD065772.D

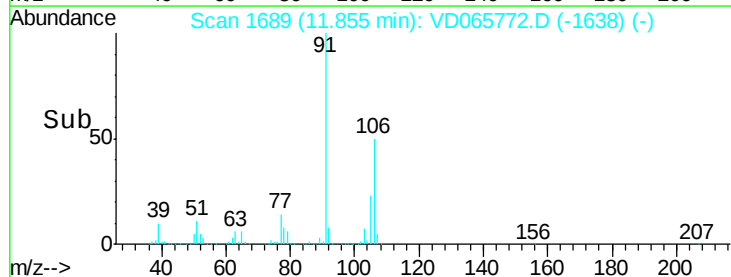
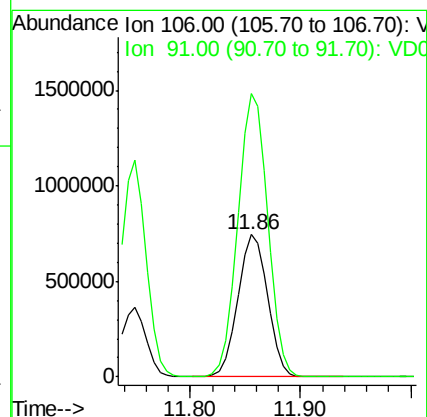
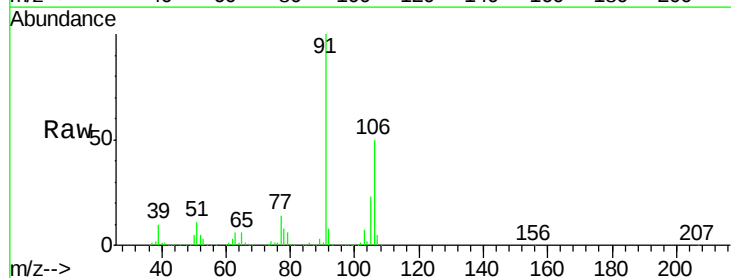
Acq: 05 Jun 2020 12:45

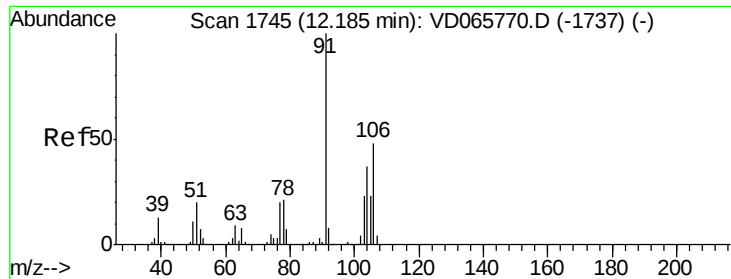
Tgt Ion: 106 Resp: 1411430

Ion Ratio Lower Upper

106 100

91 199.6 159.4 239.2





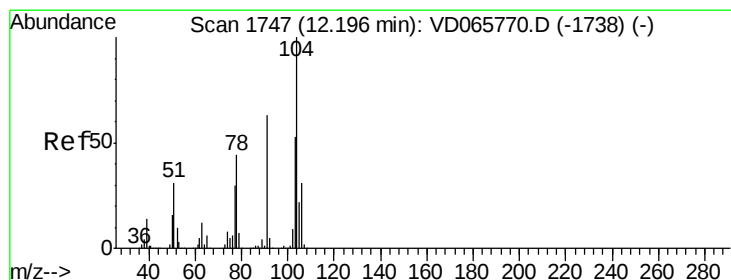
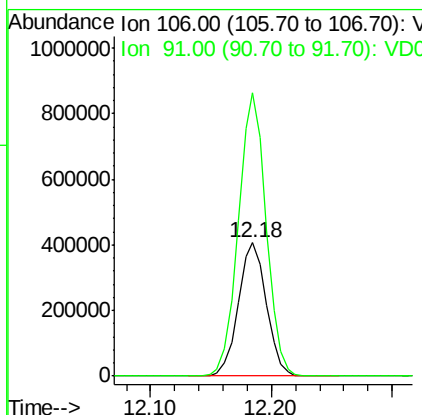
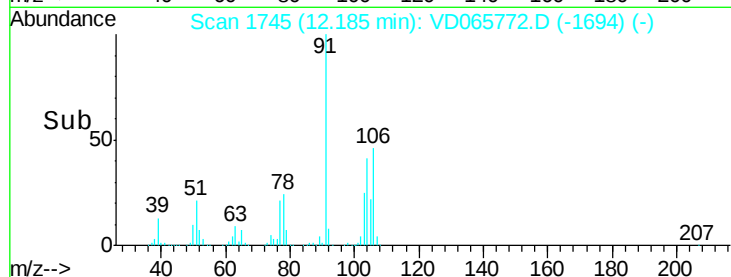
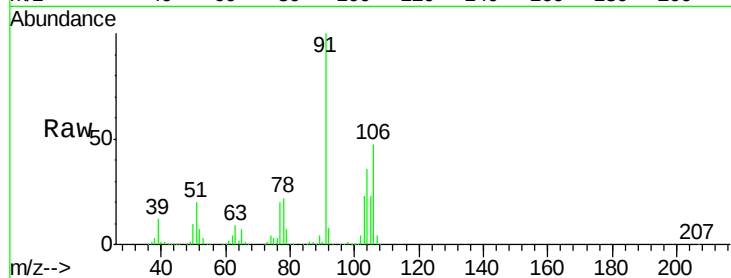
#69
o-Xylene
Concen: 157.38 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion:106 Resp: 657235
Ion Ratio Lower Upper
106 100
91 209.5 105.3 315.8

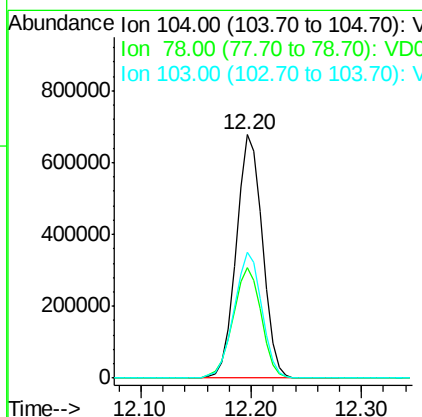
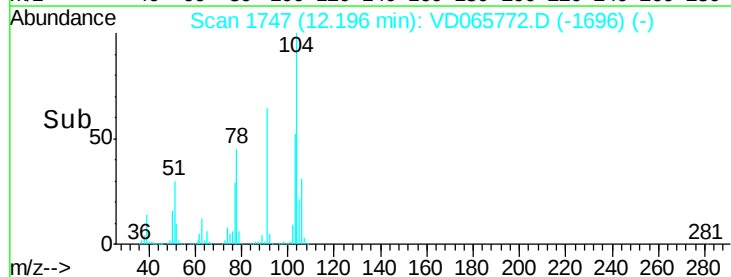
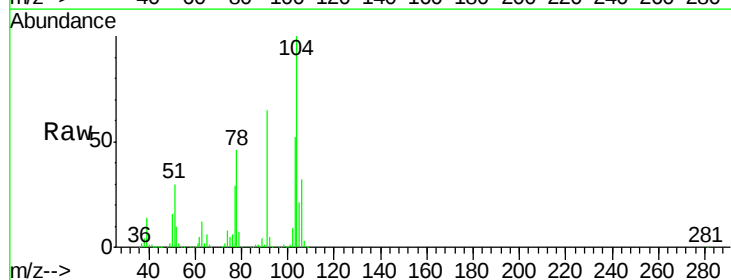
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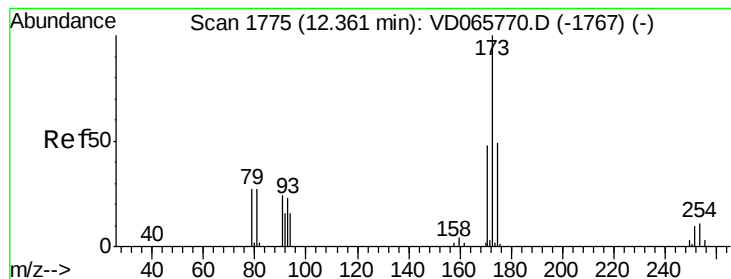
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#70
Styrene
Concen: 157.01 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion:104 Resp: 1132683
Ion Ratio Lower Upper
104 100
78 48.9 38.6 58.0
103 54.5 43.9 65.9





#71

Bromoform

Concen: 149.50 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion:173 Resp: 209182

Ion Ratio Lower Upper

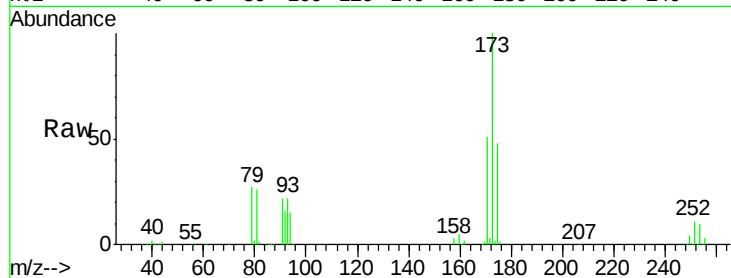
173 100

175 48.6 24.8 74.4

254 0.1 0.0 0.0#

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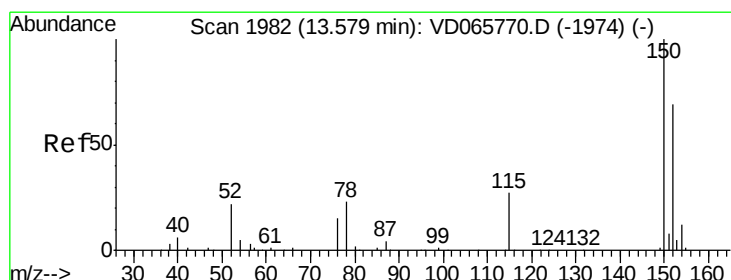
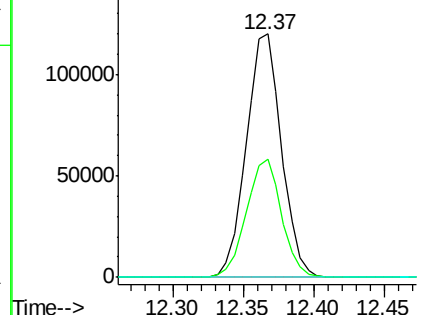
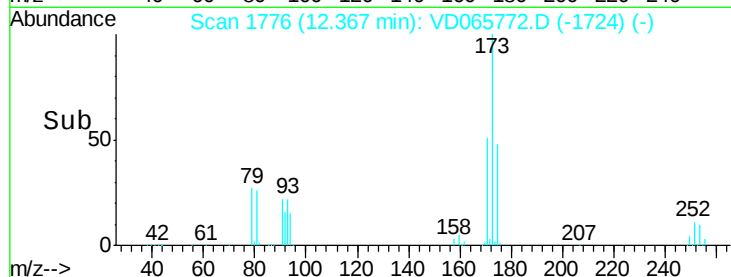
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

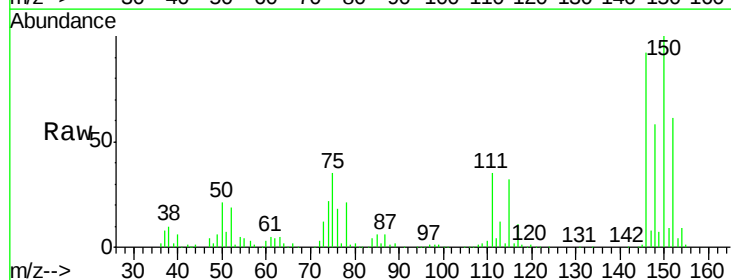
Tgt Ion:152 Resp: 177868

Ion Ratio Lower Upper

152 100

115 54.7 28.7 86.1

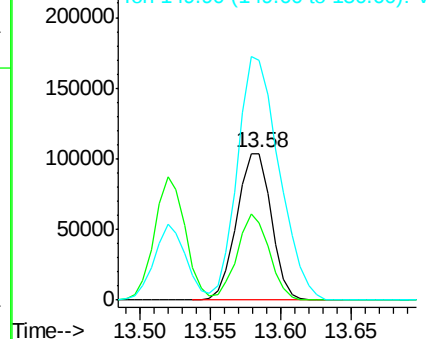
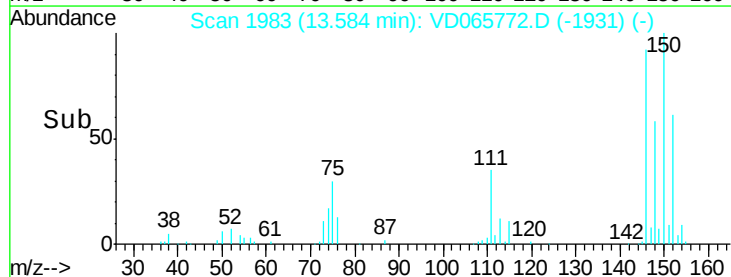
150 199.8 0.0 348.0

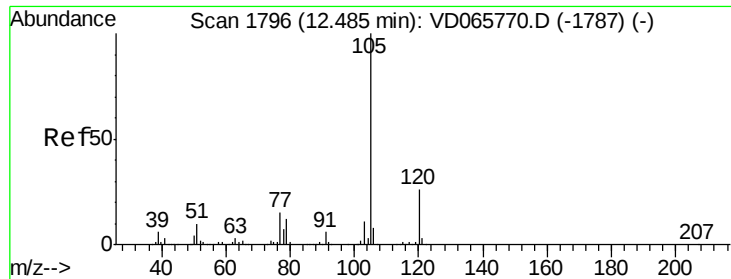


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 150.81 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 105 Resp: 1806832

Ion Ratio Lower Upper

105 100

120 26.8

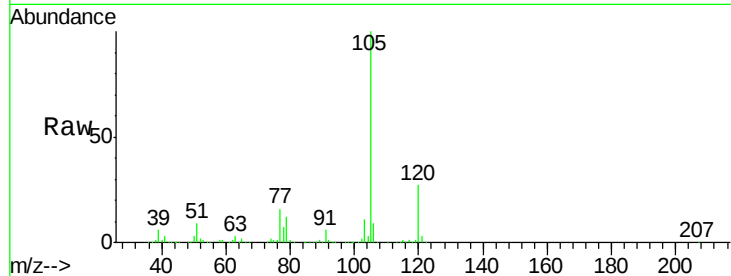
13.5 40.5

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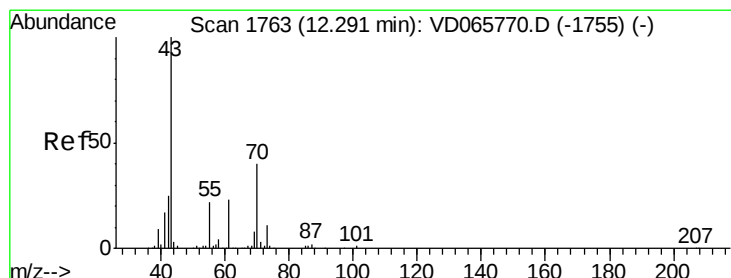
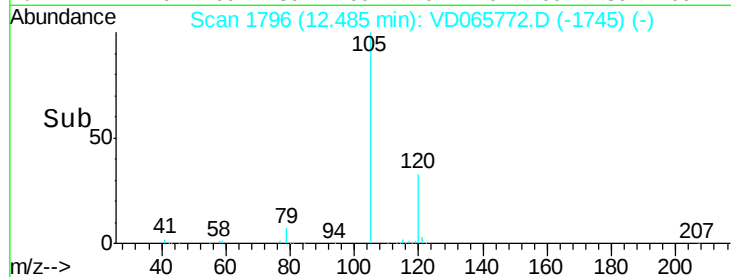
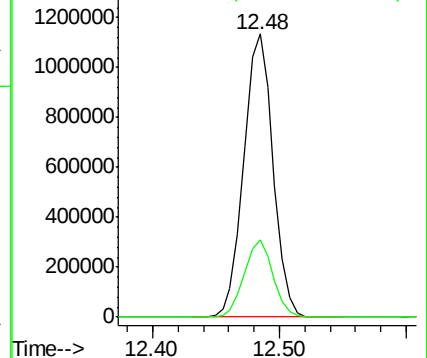
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 149.19 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion: 43 Resp: 396485

Ion Ratio Lower Upper

43 100

70 41.2

55 22.7

61 23.4

32.3 48.5

19.0 28.4

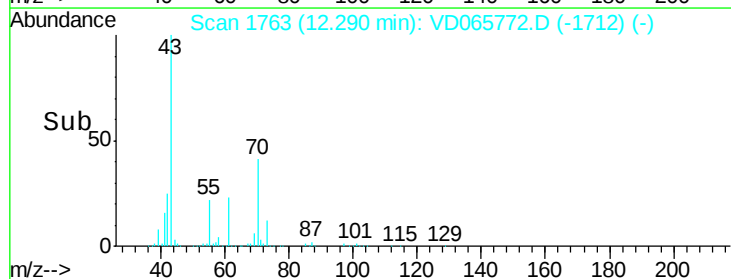
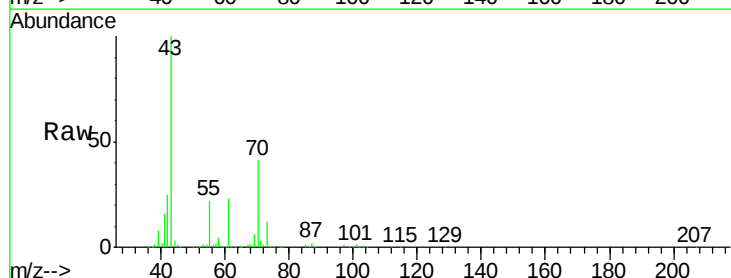
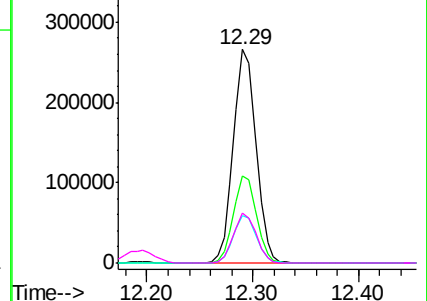
19.0 28.4

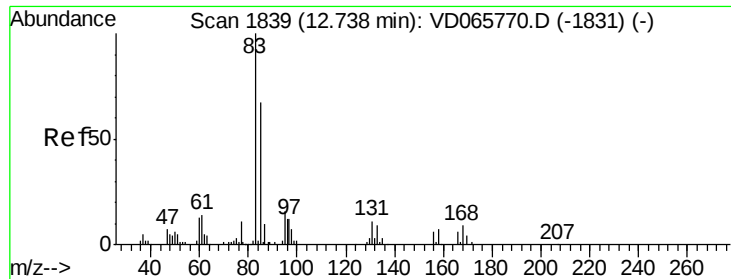
Abundance Ion 43.00 (42.70 to 43.70): V

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: 134.04 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC150

Tgt Ion: 83 Resp: 279142

Ion Ratio Lower Upper

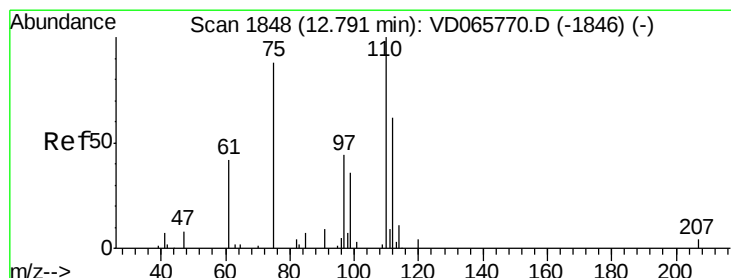
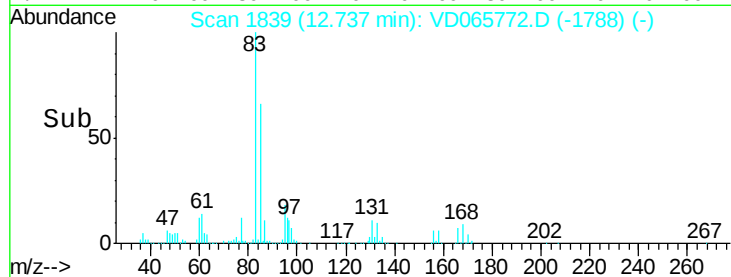
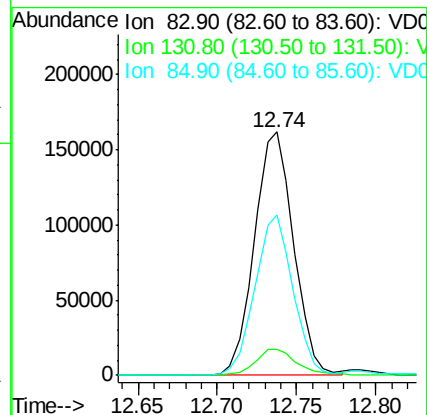
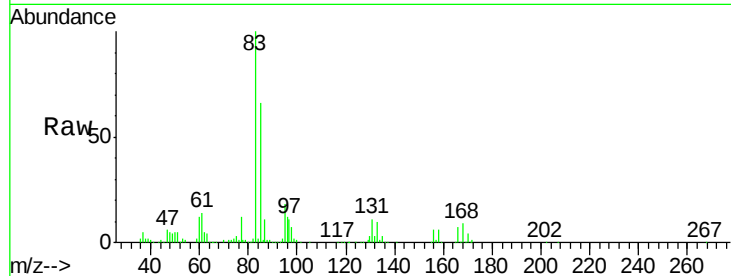
83 100

131 11.3 5.5 16.4

85 63.6 32.5 97.5

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#76

1,2,3-Trichloropropane

Concen: 150.20 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

Lab File: VD065772.D

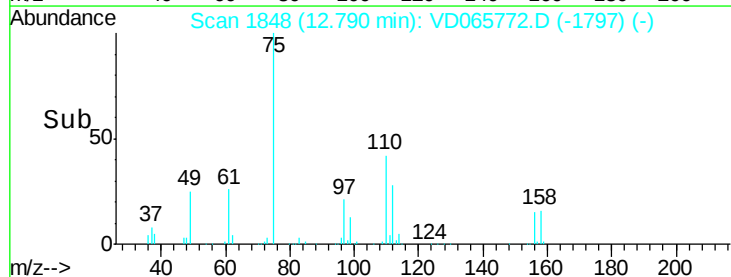
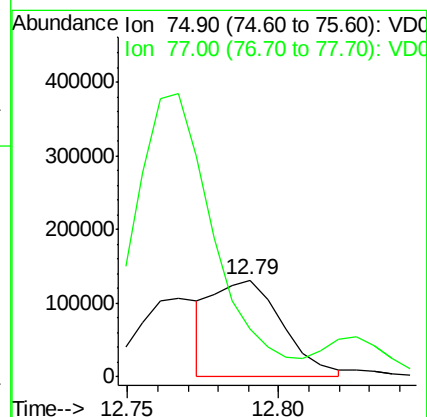
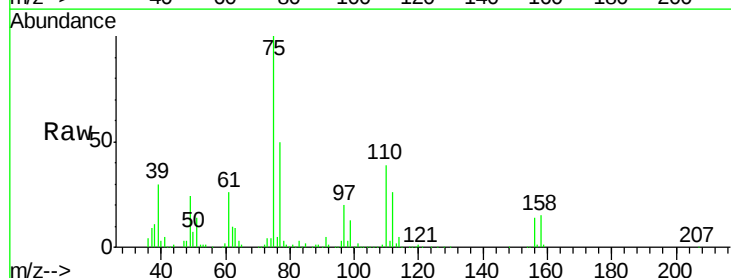
Acq: 05 Jun 2020 12:45

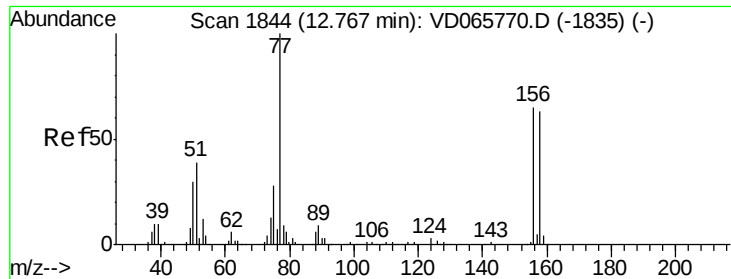
Tgt Ion: 75 Resp: 209269

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 147.75 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

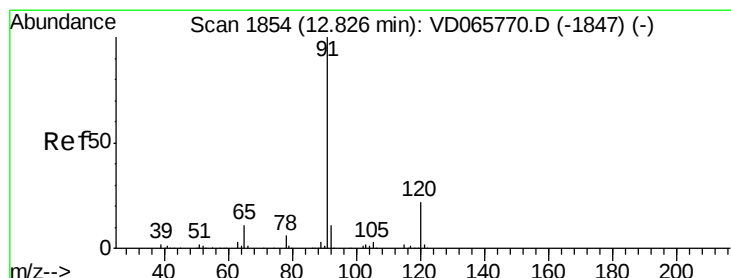
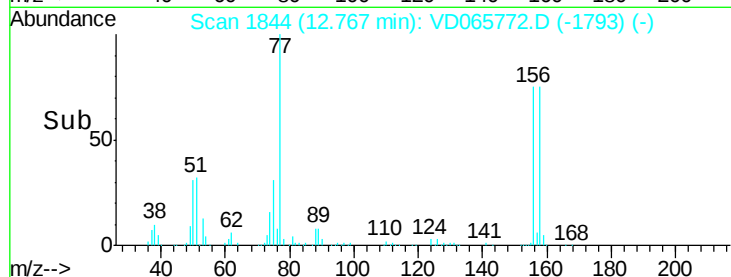
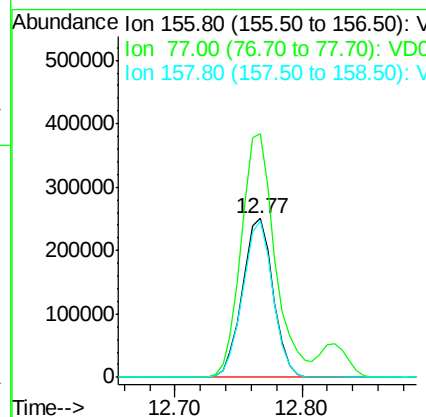
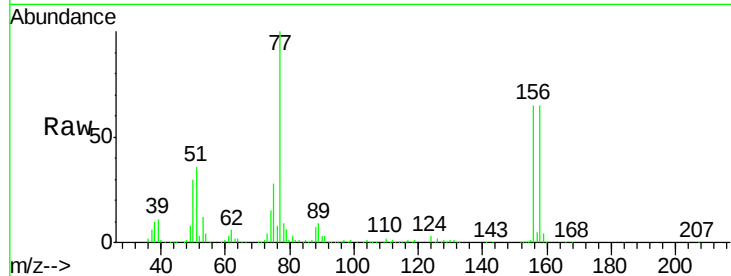
VSTDIC150

Tgt Ion: 156 Resp: 419724

Ion	Ratio	Lower	Upper
156	100		
77	170.5	87.3	261.8
158	96.9	48.0	144.0

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#78

n-propylbenzene

Concen: 145.44 ug/l

RT: 12.83 min Scan# 1854

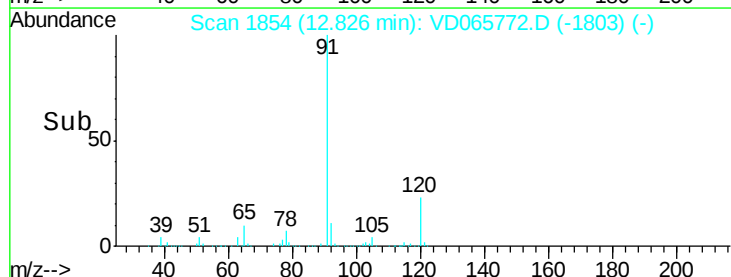
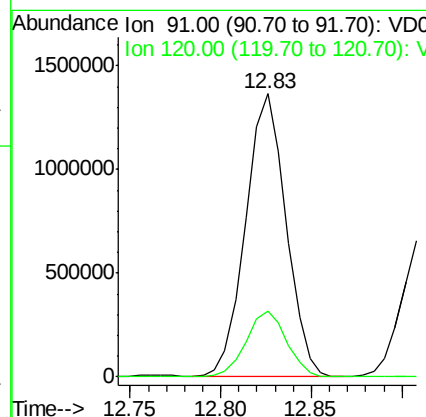
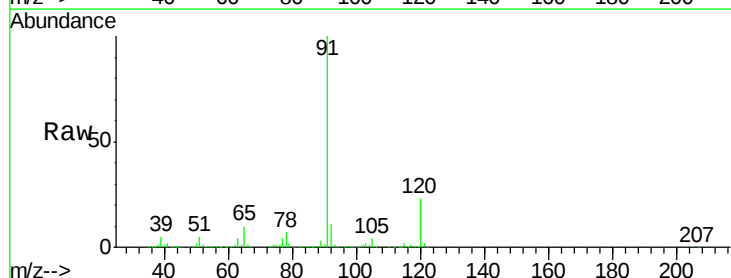
Delta R.T. -0.00 min

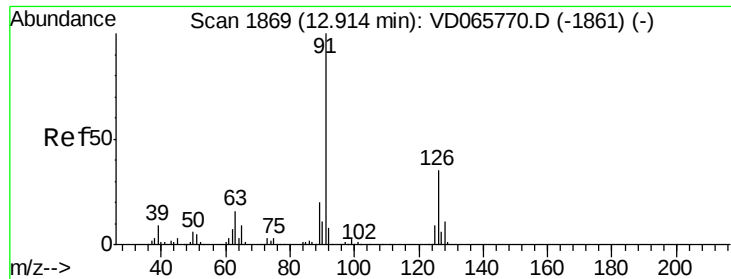
Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion: 91 Resp: 2114729

Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.3	33.8





#79

2-Chlorotoluene

Concen: 144.49 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDICC150

Tgt Ion: 91 Resp: 1153221

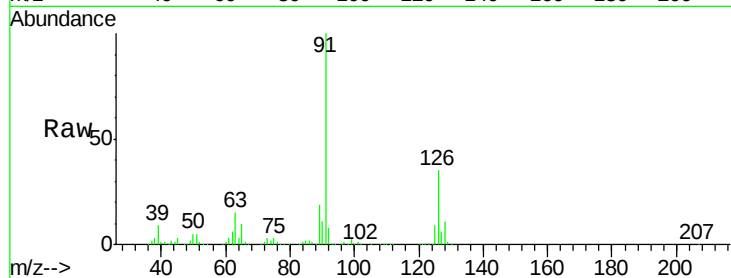
Ion Ratio Lower Upper

91 100

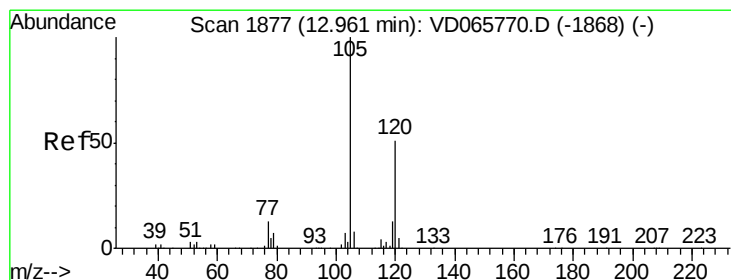
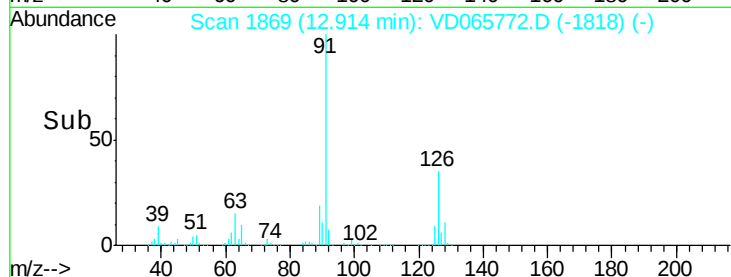
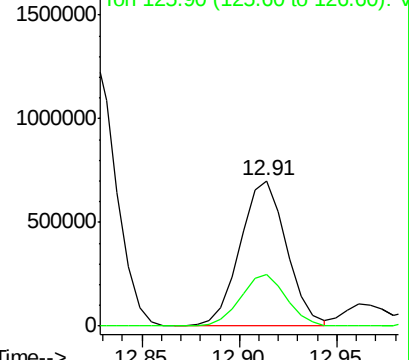
126 35.2 17.5 52.6

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Abundance Ion 91.00 (90.70 to 91.70): VD065772.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 149.87 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD065772.D

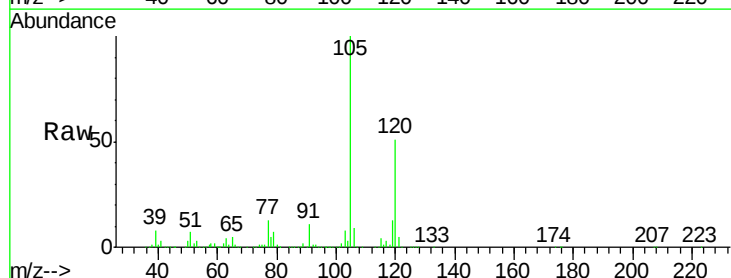
Acq: 05 Jun 2020 12:45

Tgt Ion: 105 Resp: 1493162

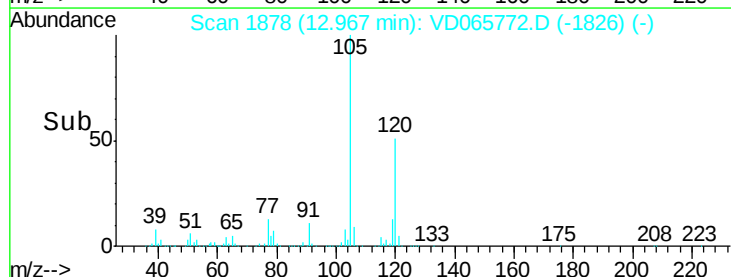
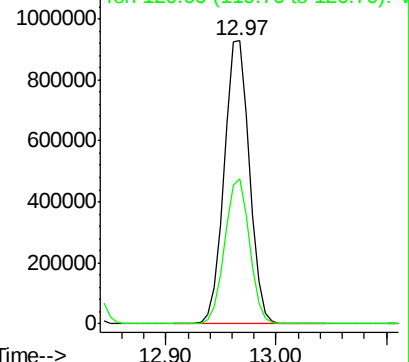
Ion Ratio Lower Upper

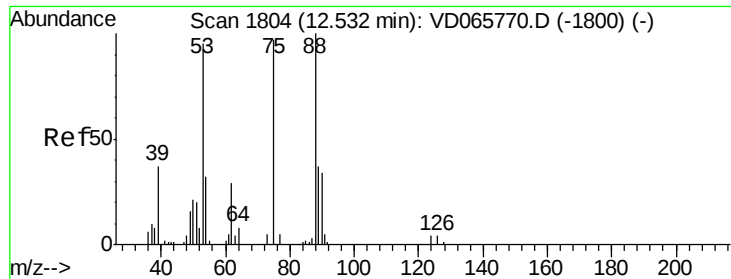
105 100

120 50.4 25.4 76.0



Abundance Ion 105.00 (104.70 to 105.70): VD065772.D (-1826) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 155.81 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

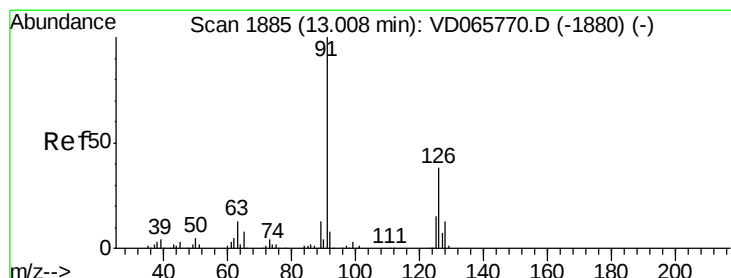
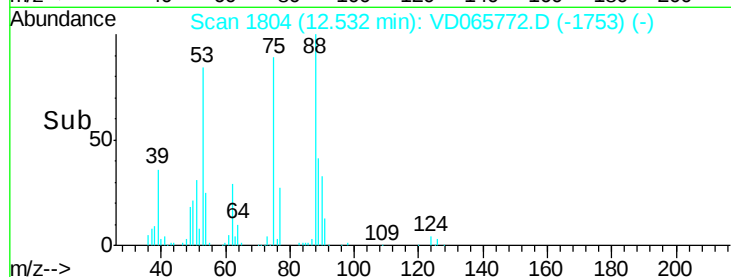
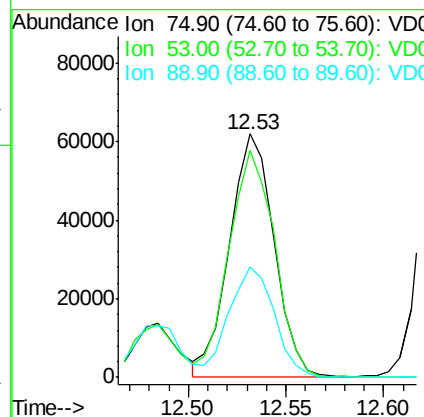
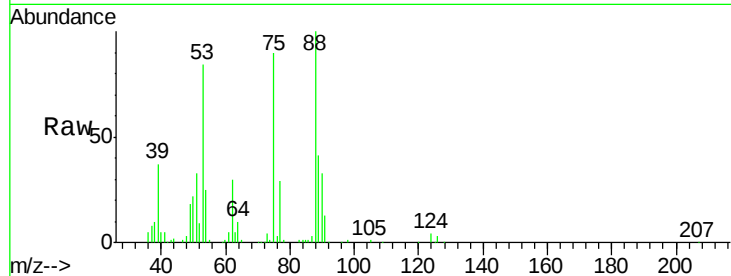
ClientSampleId :

VSTDIC150

Tgt Ion:	75	Resp:	98375
Ion	Ratio	Lower	Upper
75	100		
53	95.8	82.6	123.8
89	45.5	35.9	53.9

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#82

4-Chlorotoluene

Concen: 141.11 ug/l

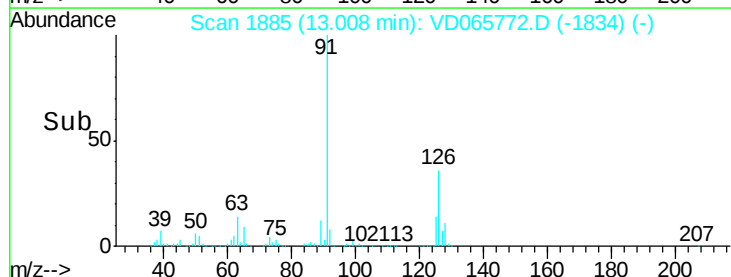
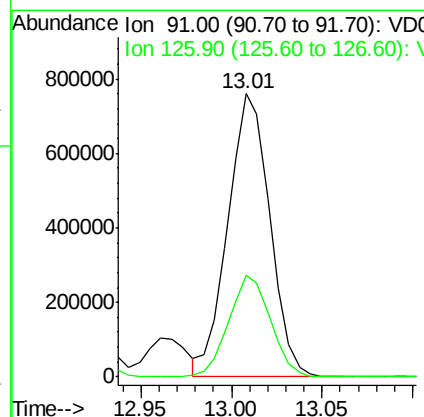
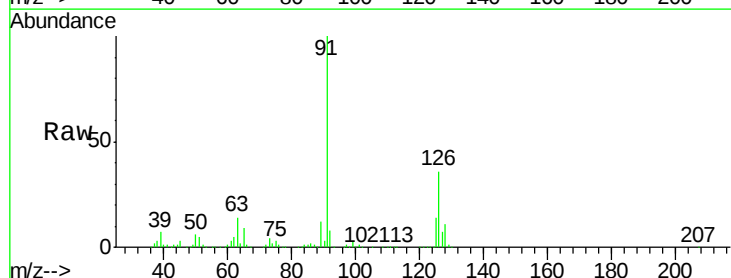
RT: 13.01 min Scan# 1885

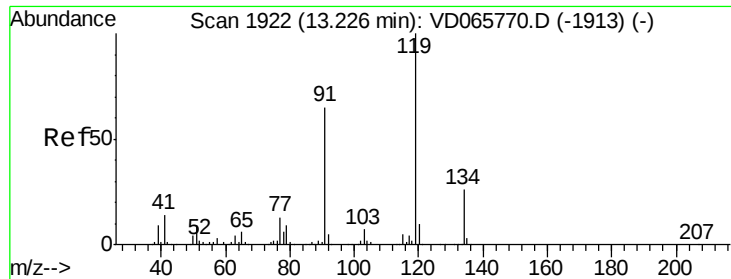
Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion:	91	Resp:	1216533
Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.6	52.8





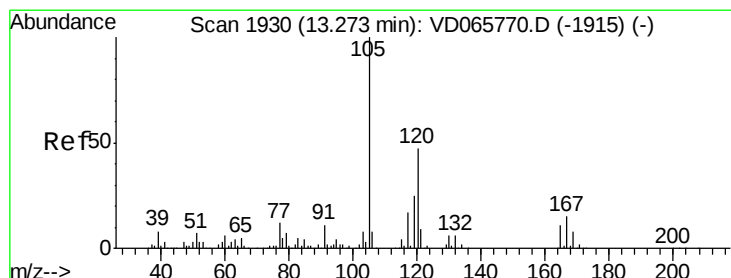
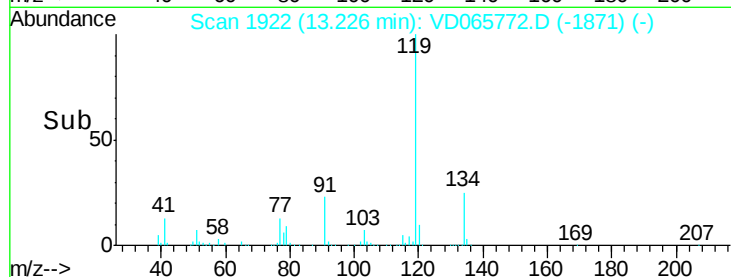
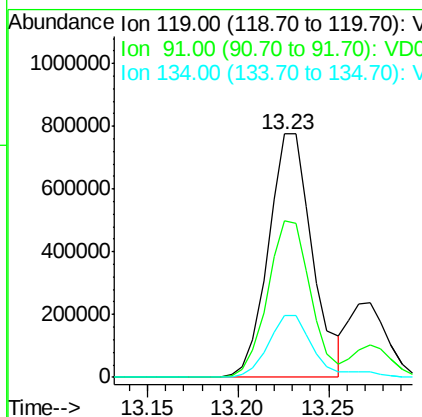
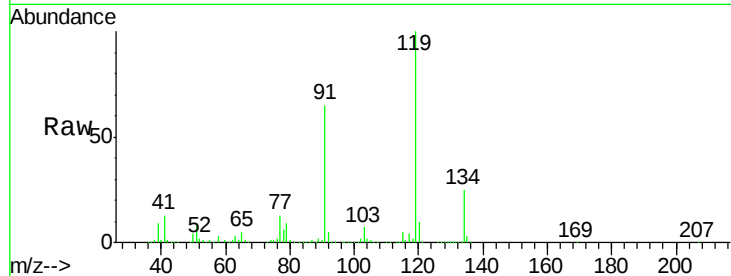
#83
 tert-Butylbenzene
 Concen: 152.03 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:119 Resp: 1310399
 Ion Ratio Lower Upper
 119 100
 91 63.0 32.0 96.0
 134 26.7 13.8 41.4

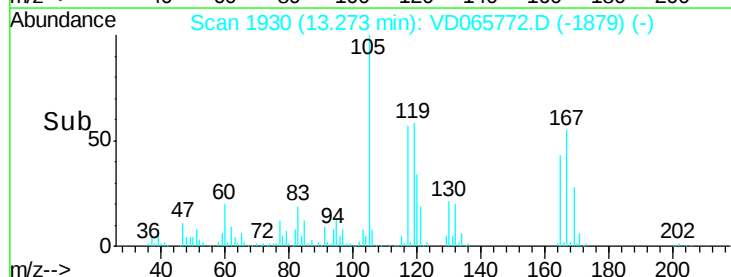
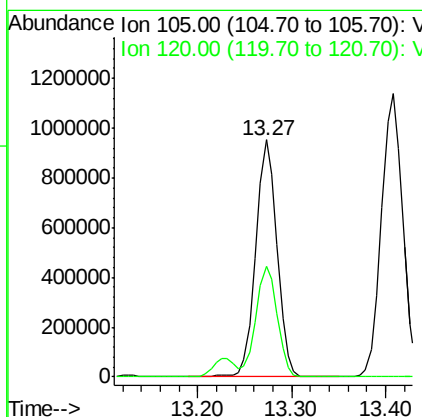
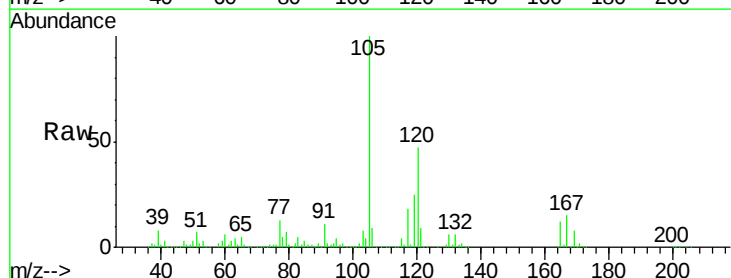
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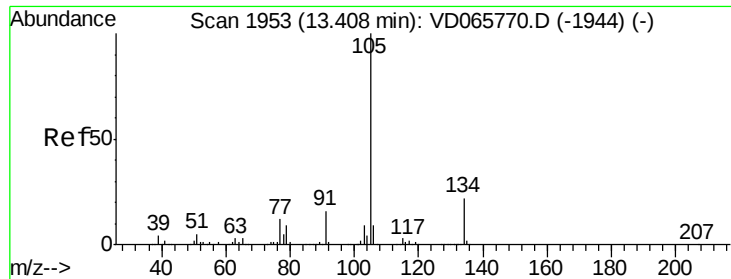
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#84
 1,2,4-Trimethylbenzene
 Concen: 149.30 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion:105 Resp: 1489029
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.3 69.8





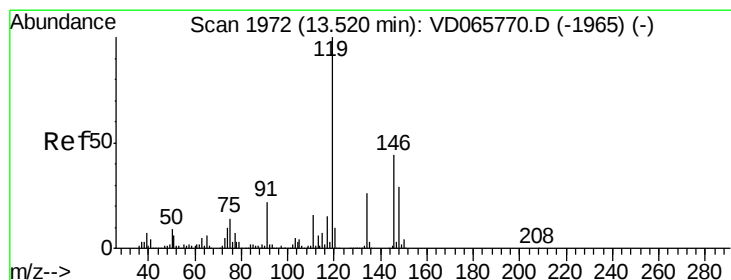
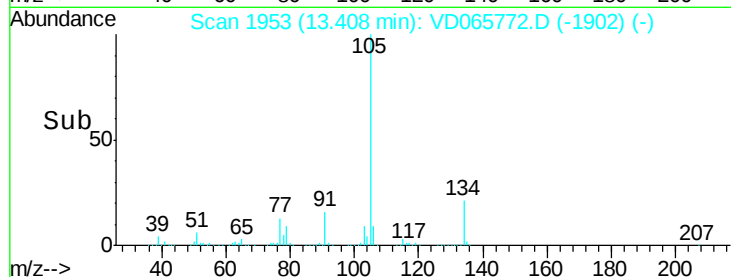
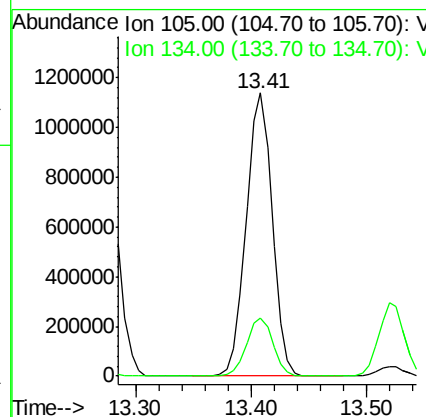
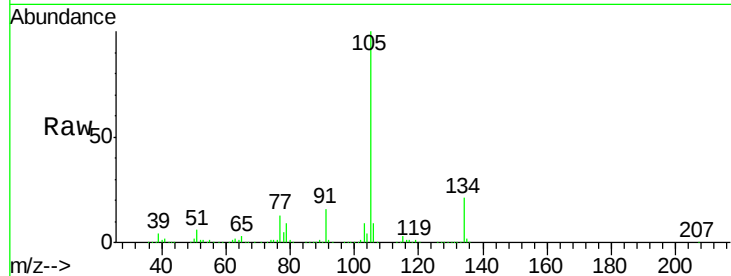
#85
 sec-Butylbenzene
 Concen: 147.72 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion:105 Resp: 1784947
 Ion Ratio Lower Upper
 105 100
 134 20.8 10.4 31.4

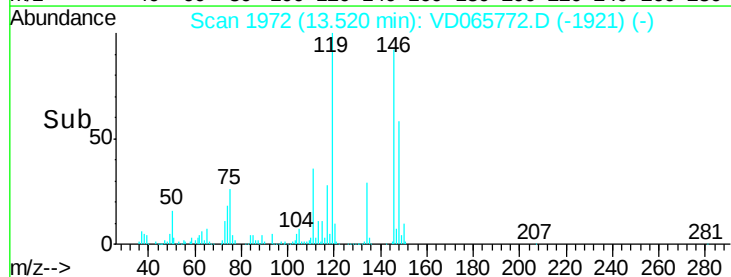
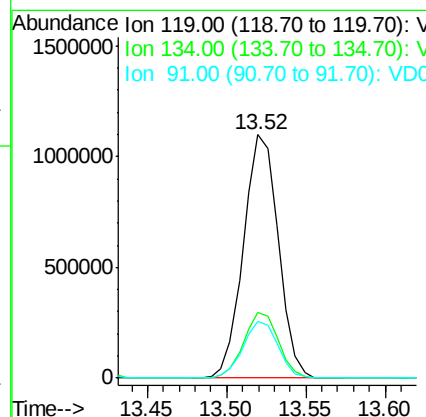
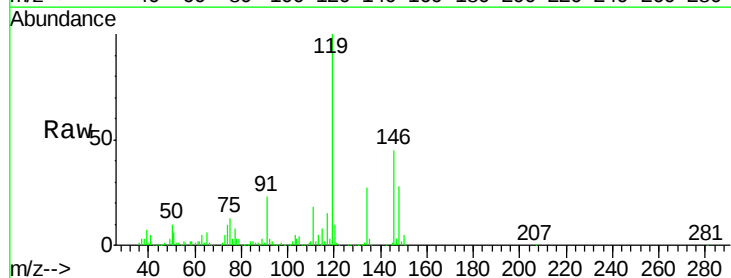
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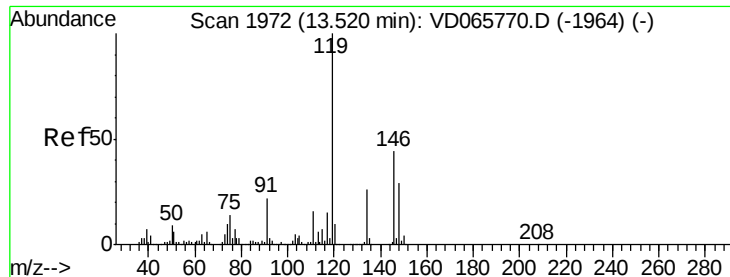
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#86
 p-Isopropyltoluene
 Concen: 152.62 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion:119 Resp: 1674386
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.9
 91 23.3 11.8 35.4





#87

1,3-Dichlorobenzene

Concen: 141.90 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

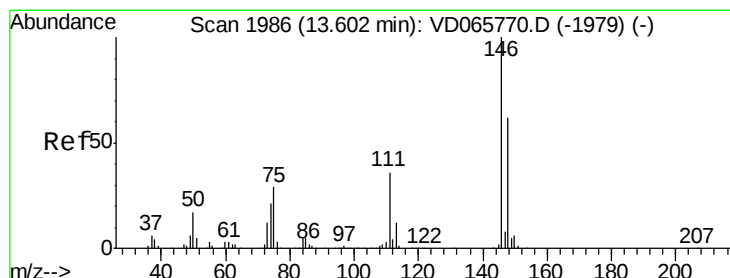
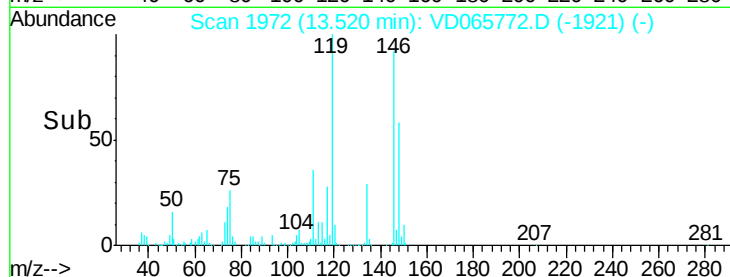
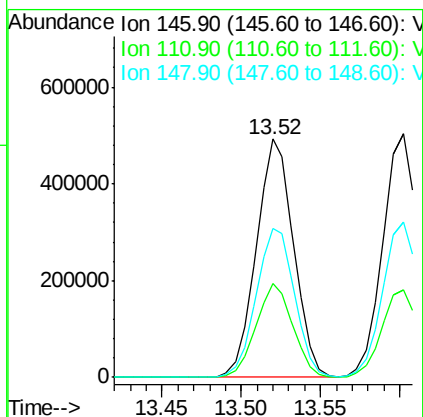
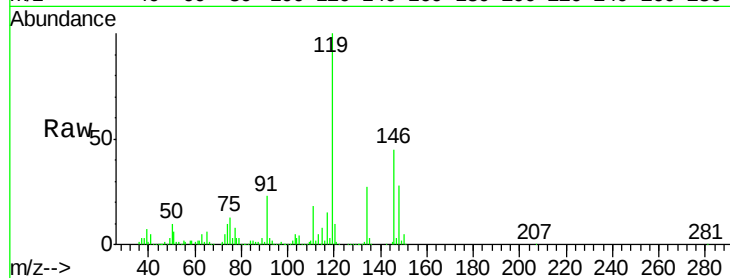
ClientSampleId :

VSTDIC150

Tgt Ion:	146	Resp:	804641
Ion Ratio	Lower	Upper	
146	100		
111	38.7	19.2	57.6
148	64.1	32.1	96.3

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#88

1,4-Dichlorobenzene

Concen: 141.13 ug/l

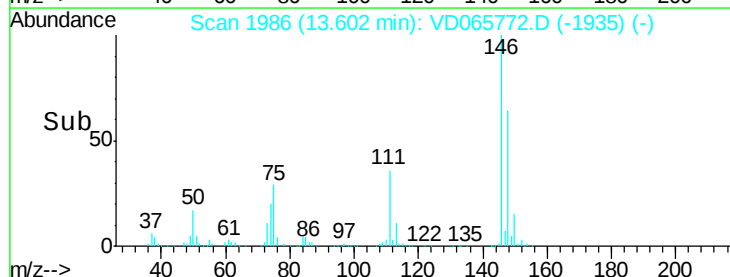
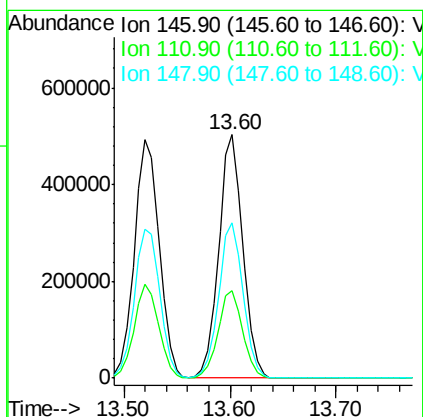
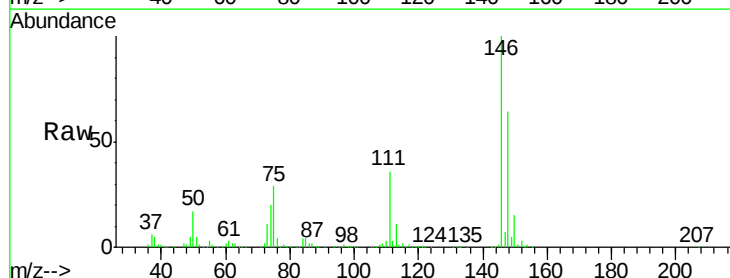
RT: 13.60 min Scan# 1986

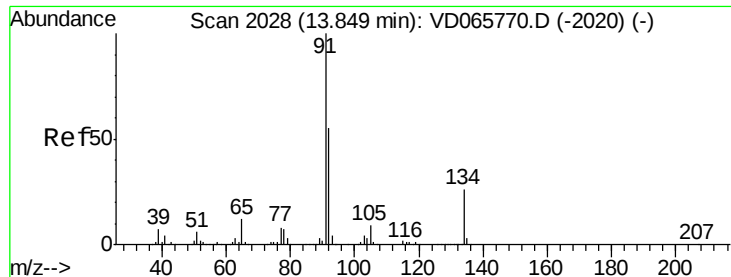
Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion:	146	Resp:	798365
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.9	56.7
148	64.4	31.6	94.7





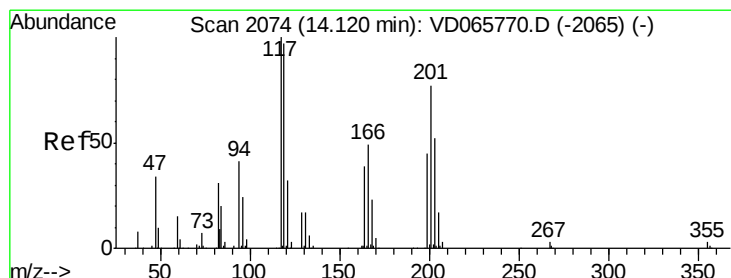
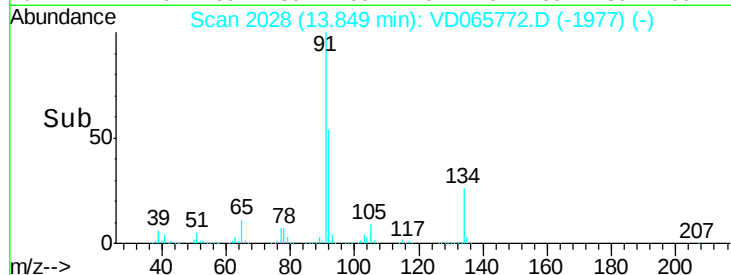
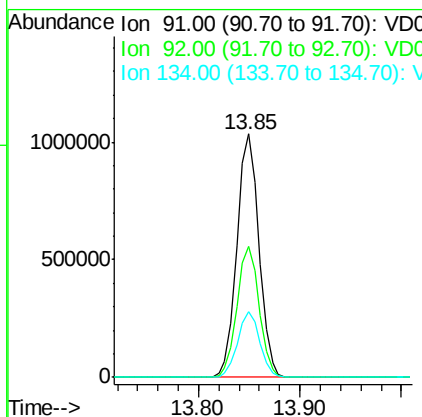
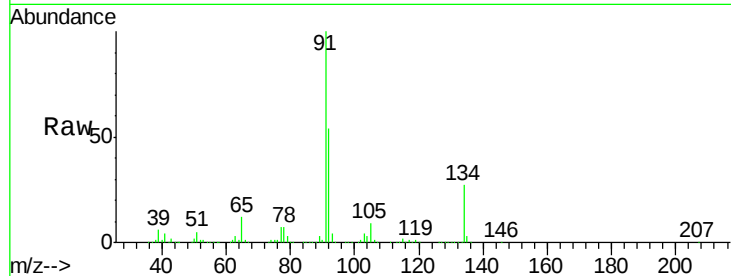
#89
n-Butylbenzene
Concen: 148.04 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC150

Tgt Ion: 91 Resp: 1561409
Ion Ratio Lower Upper
91 100
92 53.9 27.0 81.0
134 26.9 13.0 39.0

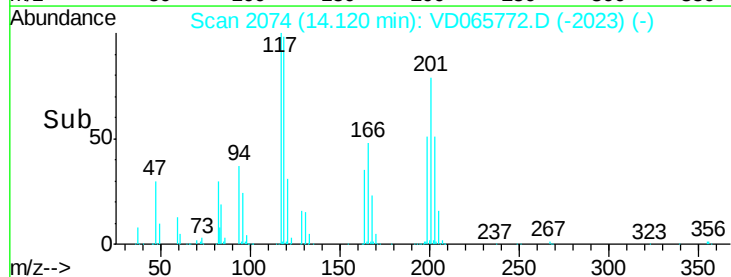
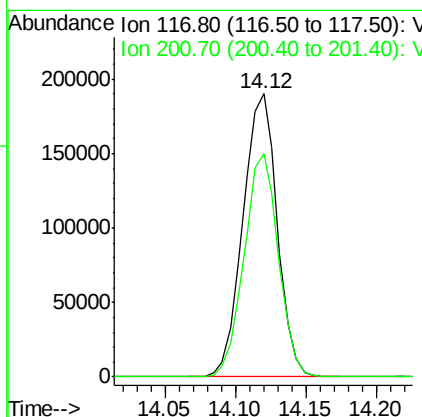
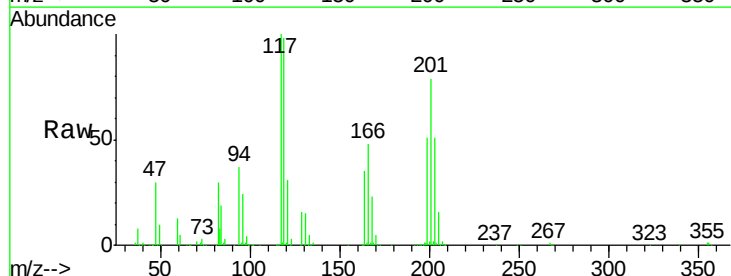
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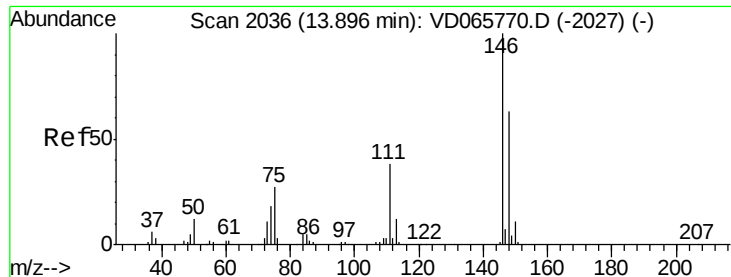
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#90
Hexachloroethane
Concen: 145.17 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065772.D
Acq: 05 Jun 2020 12:45

Tgt Ion: 117 Resp: 323639
Ion Ratio Lower Upper
117 100
201 78.7 37.1 111.5





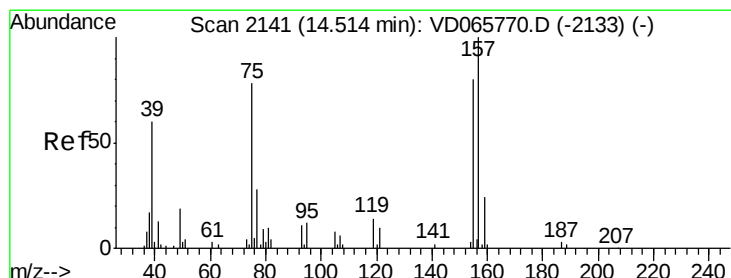
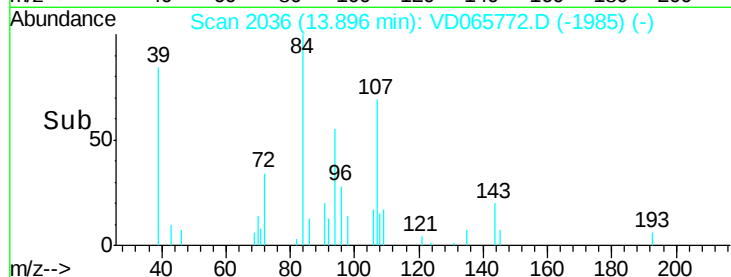
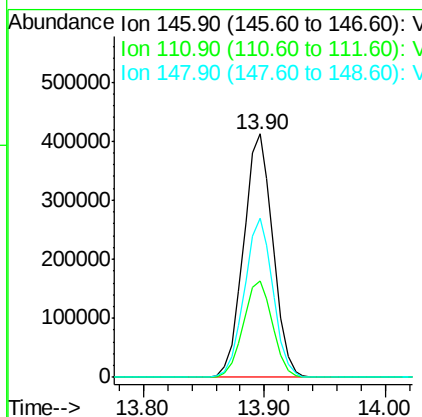
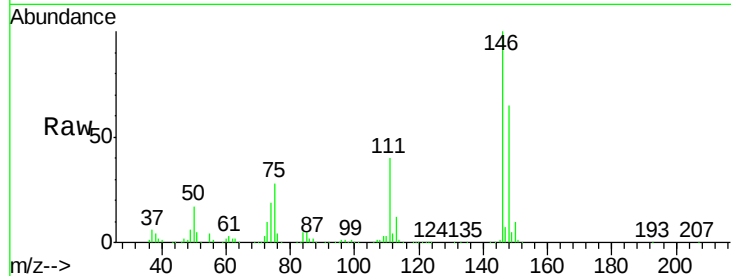
#91
 1,2-Dichlorobenzene
 Concen: 143.10 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	695848		
111	39.8	19.8	59.4	
148	63.8	31.9	95.7	

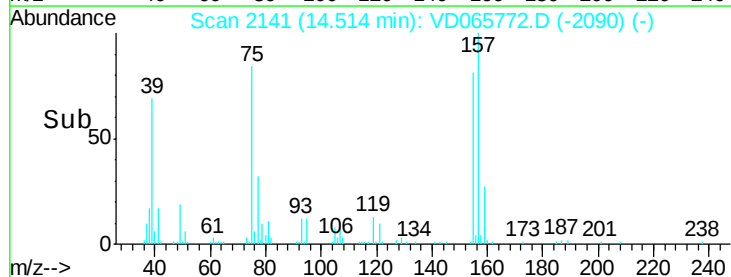
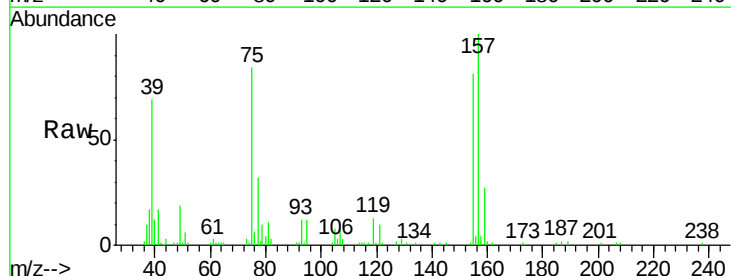
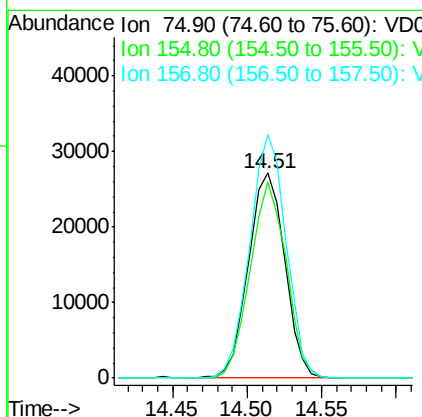
Manual Integrations
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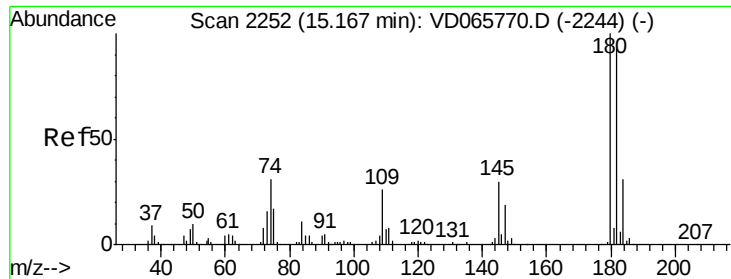
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 132.70 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	45718		
155	94.6	46.3	138.9	
157	118.5	58.1	174.3	





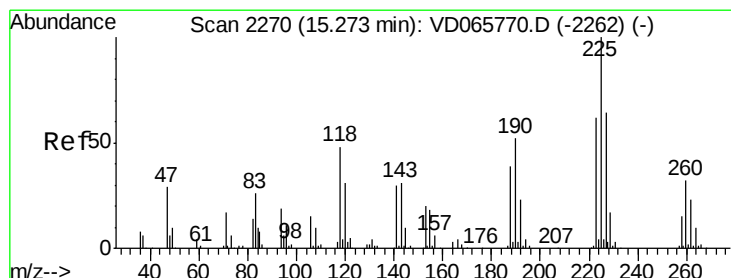
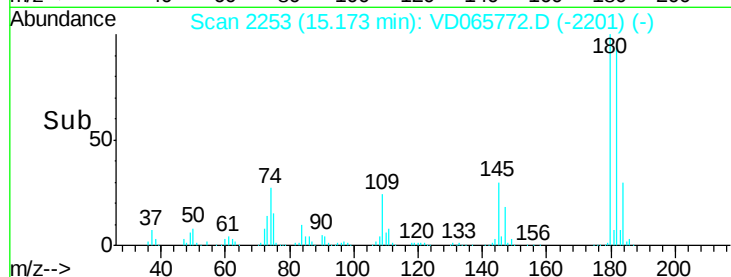
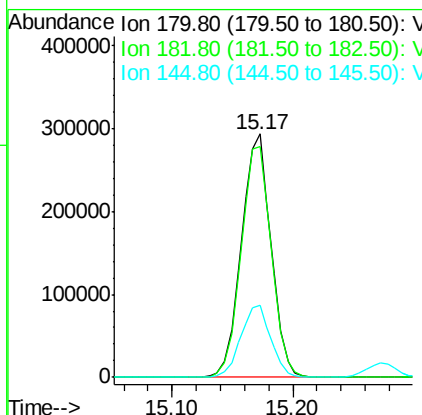
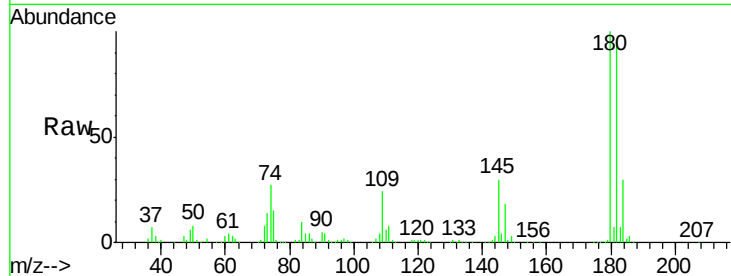
#93
 1,2,4-Trichlorobenzene
 Concen: 155.22 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.01 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC150

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	500042		
182	97.1	48.0	144.2	
145	30.1	14.9	44.9	

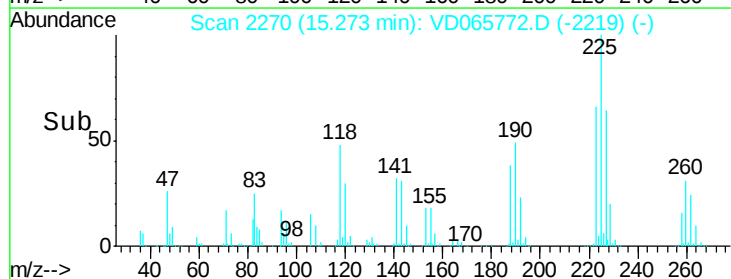
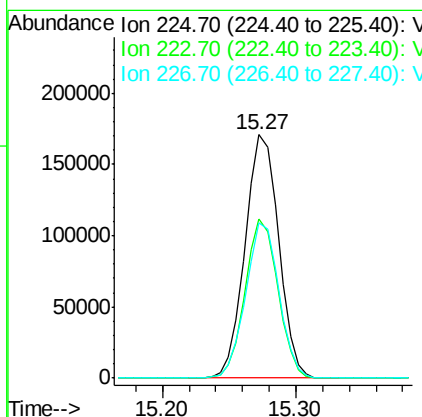
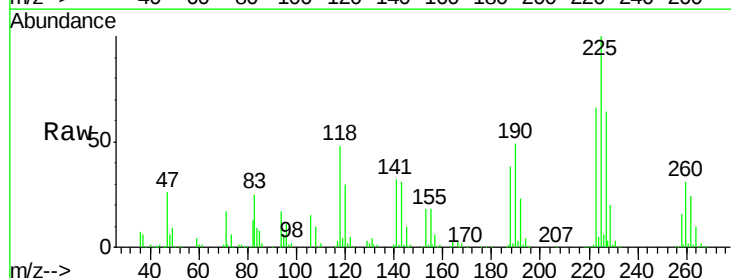
Manual Integrations
 APPROVED

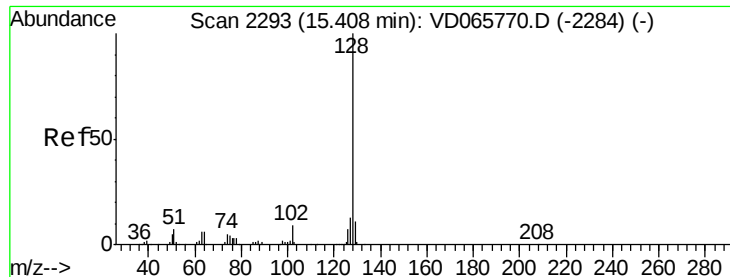
MMDadoda
 6/5/2020 4:12:48 PM



#94
 Hexachlorobutadiene
 Concen: 149.58 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD065772.D
 Acq: 05 Jun 2020 12:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	296742		
223	63.8	30.9	92.7	
227	63.2	31.9	95.7	





#95

Naphthalene

Concen: 161.52 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Instrument :

MSVOA_D

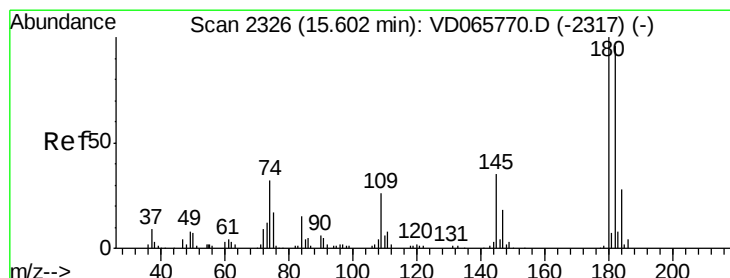
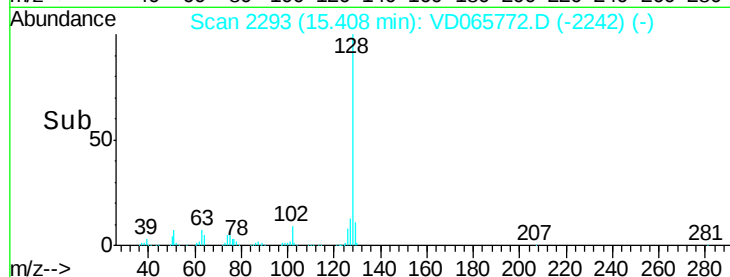
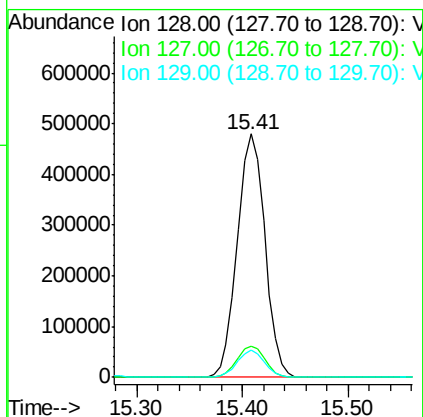
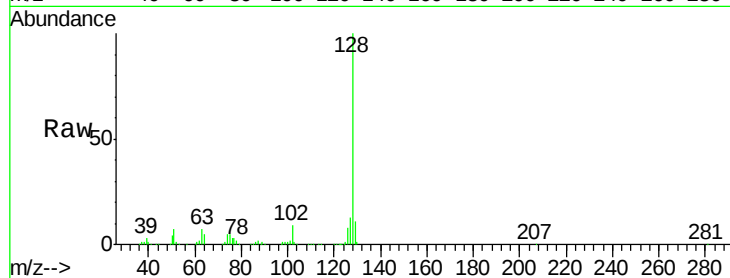
ClientSampleId :

VSTDIC150

Tgt Ion:	128	Resp:	868350
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.7	16.1
129	10.9	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
6/5/2020 4:12:48 PM



#96

1,2,3-Trichlorobenzene

Concen: 156.76 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. -0.00 min

Lab File: VD065772.D

Acq: 05 Jun 2020 12:45

Tgt Ion:	180	Resp:	434158
Ion Ratio	Lower	Upper	
180	100		
182	95.8	47.0	141.2
145	31.5	16.2	48.6

