

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067741.D
 Acq On : 23 Nov 2020 12:44
 Operator : VA/SY
 Sample : VSTDICC100
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDICC100

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:33 PM

Quant Time: Nov 24 00:47:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:34:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	273144	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	388078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	353042	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	180523	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	270033	100.59	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	201.18%#
35) Dibromofluoromethane	7.91	113	256420	103.21	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	206.42%#
50) Toluene-d8	10.34	98	896436	99.41	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	198.82%#
62) 4-Bromofluorobenzene	12.64	95	312220	100.78	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	201.56%#

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	232178	96.464	ug/l	96
3) Chloromethane	2.21	50	129794	94.886	ug/l	96
4) Vinyl Chloride	2.35	62	159021	93.136	ug/l	98
5) Bromomethane	2.76	94	132632	90.701	ug/l	97
6) Chloroethane	2.91	64	107003	94.934	ug/l	95
7) Trichlorofluoromethane	3.27	101	477485	92.387	ug/l	94
8) Diethyl Ether	3.71	74	99086	94.999	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.09	101	224981	91.367	ug/l	100
10) Methyl Iodide	4.30	142	279655	110.692	ug/l	98
11) Tert butyl alcohol	5.21	59	62526	311.883	ug/l #	82
12) 1,1-Dichloroethene	4.07	96	215371	95.102	ug/l	97
13) Acrolein	3.92	56	57048	514.858	ug/l	90
14) Allyl chloride	4.71	41	215876	99.206	ug/l	98
15) Acrylonitrile	5.43	53	171912	486.310	ug/l	98
16) Acetone	4.16	43	165885	466.501	ug/l	99
17) Carbon Disulfide	4.41	76	634212	95.560	ug/l	100
18) Methyl Acetate	4.72	43	65581	95.565	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	488308	100.827	ug/l	100
20) Methylene Chloride	4.96	84	236948	67.215	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	244647	96.512	ug/l	96
22) Diisopropyl ether	6.37	45	418096	97.626	ug/l	98
23) Vinyl Acetate	6.30	43	1278015	525.550	ug/l	99
24) 1,1-Dichloroethane	6.26	63	352722	95.173	ug/l	100
25) 2-Butanone	7.21	43	180061	474.263	ug/l	97
26) 2,2-Dichloropropane	7.21	77	402755	92.812	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	267804	97.891	ug/l	98
28) Bromochloromethane	7.55	49	117870	99.600	ug/l	100
29) Tetrahydrofuran	7.56	42	110291	495.584	ug/l	97
30) Chloroform	7.71	83	447271	93.055	ug/l	100
31) Cyclohexane	7.98	56	284166	88.677	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	475684	92.881	ug/l	99
36) 1,1-Dichloropropene	8.11	75	326539	97.195	ug/l	99
37) Ethyl Acetate	7.30	43	88330	100.086	ug/l	96
38) Carbon Tetrachloride	8.10	117	469434	95.228	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	395934	99.236	ug/l	98
40) Benzene	8.36	78	870076	93.908	ug/l	97
41) Methacrylonitrile	7.53	41	50502m	123.212	ug/l	
42) 1,2-Dichloroethane	8.43	62	296491	95.252	ug/l	100
43) Isopropyl Acetate	8.45	43	177947	99.647	ug/l	99
44) Trichloroethene	9.11	130	295207	95.565	ug/l	98
45) 1,2-Dichloropropane	9.39	63	179733	95.408	ug/l	94
46) Dibromomethane	9.48	93	122926	97.158	ug/l	95
47) Bromodichloromethane	9.67	83	347683	97.223	ug/l	97
48) Methyl methacrylate	9.46	41	87575	98.999	ug/l	98
49) 1,4-Dioxane	9.47	88	26976	1965.795	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	415829	499.059	ug/l	98
52) Toluene	10.41	92	597893	95.662	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	307887	98.849	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	339638	96.318	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	161890	94.250	ug/l	99
56) Ethyl methacrylate	10.66	69	181244	102.097	ug/l	99
57) 1,3-Dichloropropane	10.95	76	261159	97.072	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	443401	534.838	ug/l	99
59) 2-Hexanone	10.99	43	297008	499.480	ug/l	98
60) Dibromochloromethane	11.14	129	251252	95.960	ug/l	99
61) 1,2-Dibromoethane	11.25	107	162640	95.761	ug/l	100
64) Tetrachloroethene	10.88	164	256166	92.282	ug/l	94
65) Chlorobenzene	11.67	112	659275	94.279	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	272760	97.363	ug/l	97
67) Ethyl Benzene	11.75	91	1170383	97.504	ug/l	99
68) m/p-Xylenes	11.86	106	906350	193.119	ug/l	100
69) o-Xylene	12.18	106	420536	98.543	ug/l	100
70) Styrene	12.20	104	701885	95.207	ug/l	99
71) Bromoform	12.36	173	143248	93.919	ug/l #	99
73) Isopropylbenzene	12.48	105	1171843	96.764	ug/l	99
74) N-amyl acetate	12.29	43	157879	100.632	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.73	83	150134	93.025	ug/l	96
76) 1,2,3-Trichloropropane	12.78	75	115955m	82.419	ug/l	
77) Bromobenzene	12.76	156	289275	95.935	ug/l	99
78) n-propylbenzene	12.83	91	1300828	96.851	ug/l	99
79) 2-Chlorotoluene	12.91	91	762162	96.452	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	1017553	95.721	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	51848	96.240	ug/l	94
82) 4-Chlorotoluene	13.01	91	801825	95.086	ug/l	99
83) tert-Butylbenzene	13.23	119	870059	97.125	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	1011725	96.735	ug/l	99
85) sec-Butylbenzene	13.40	105	1145074	96.797	ug/l	99
86) p-Isopropyltoluene	13.52	119	1114578	97.427	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	534378	90.943	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	540697	92.339	ug/l	100
89) n-Butylbenzene	13.84	91	942884	96.278	ug/l	100
90) Hexachloroethane	14.11	117	206650	94.793	ug/l	100
91) 1,2-Dichlorobenzene	13.89	146	478681	94.723	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30013	87.380	ug/l	81

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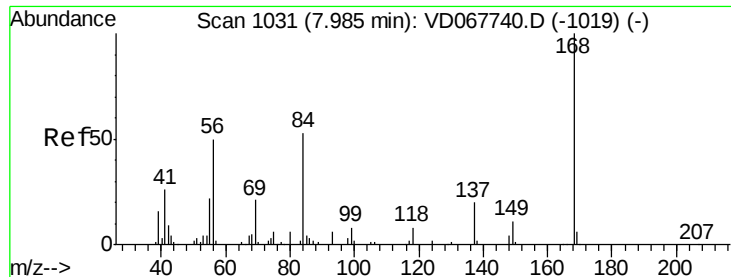
Manual Integrations
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	354444	99.040	ug/l	99
94) Hexachlorobutadiene	15.27	225	219594	95.657	ug/l	98
95) Naphthalene	15.40	128	595816	102.744	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	301885	99.343	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:168 Resp: 273144

Ion Ratio Lower Upper

168 100

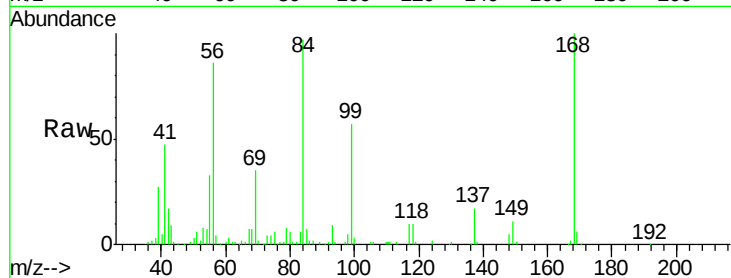
99 56.7 43.8 65.8

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

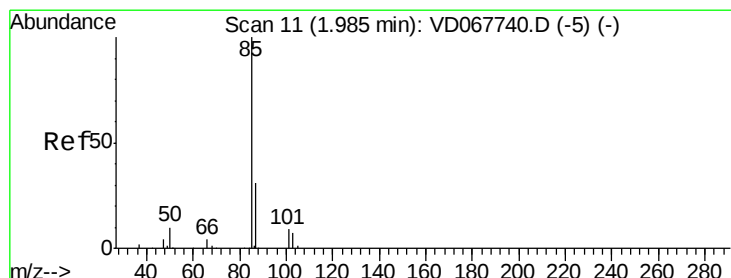
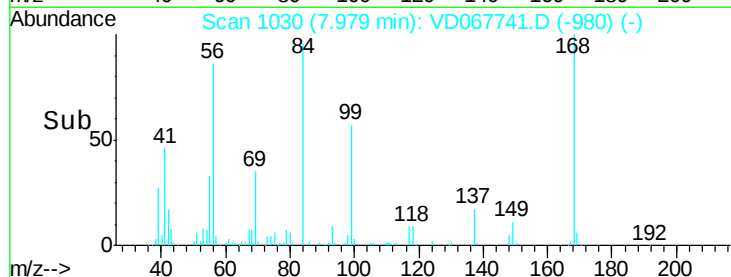
7.98

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 96.464 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067741.D

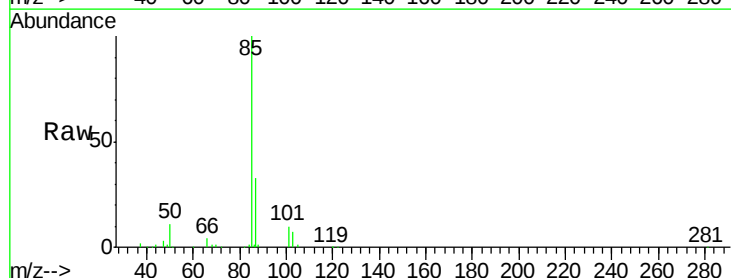
Acq: 23 Nov 2020 12:44

Tgt Ion: 85 Resp: 232178

Ion Ratio Lower Upper

85 100

87 33.5 15.5 46.5



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

200000

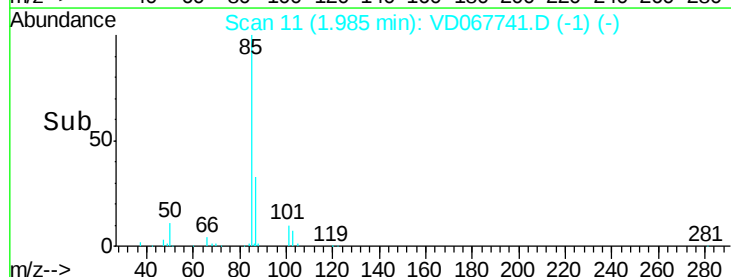
150000

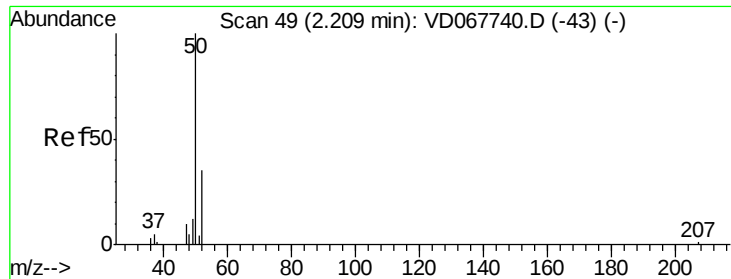
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50000

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Time-->





#3

Chloromethane

Concen: 94.886 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 50 Resp: 129794

Ion Ratio Lower Upper

50 100

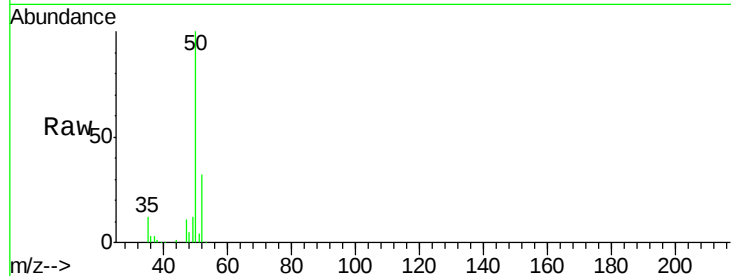
52 32.5 27.8 41.8

Manual Integrations

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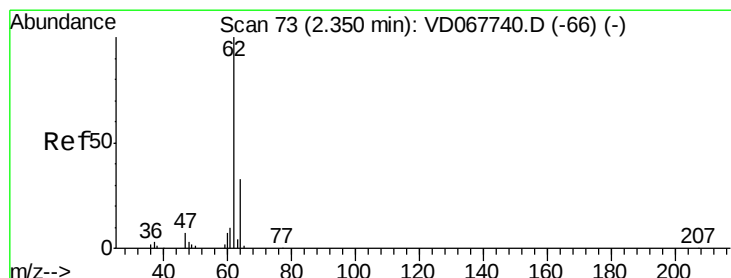
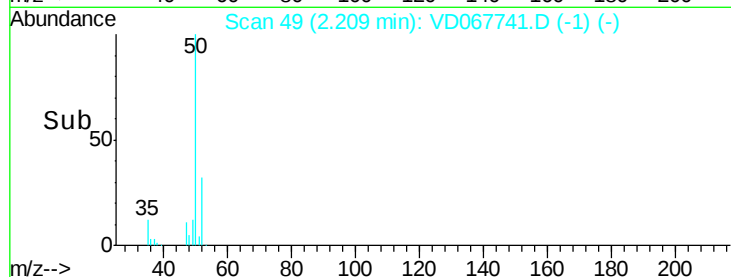
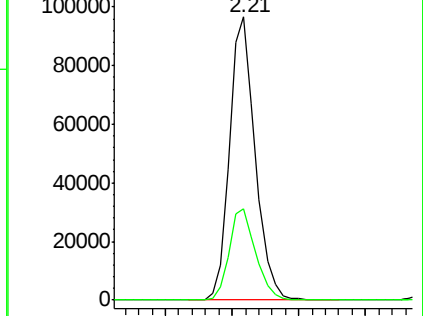
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 93.136 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067741.D

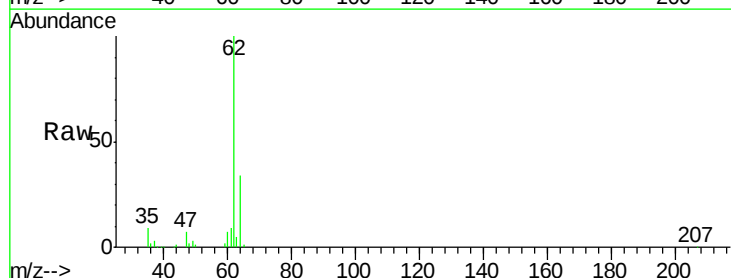
Acq: 23 Nov 2020 12:44

Tgt Ion: 62 Resp: 159021

Ion Ratio Lower Upper

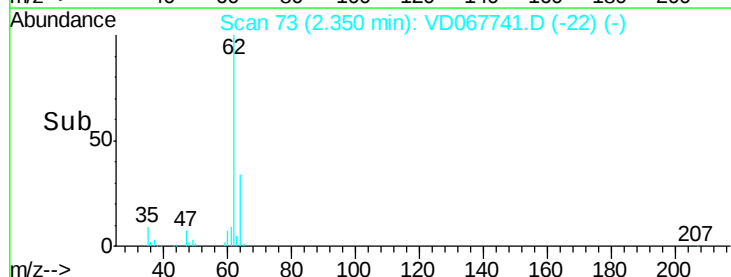
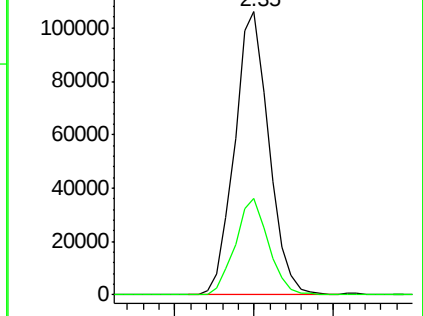
62 100

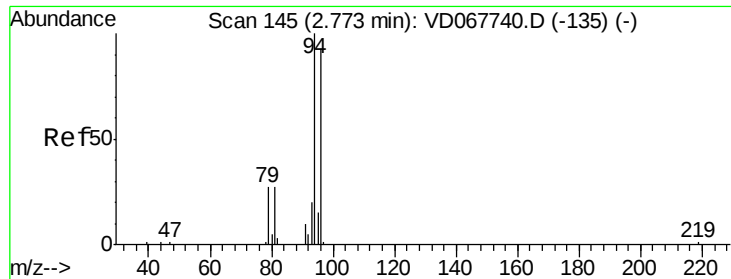
64 34.2 26.6 40.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 90.701 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 94 Resp: 132632

Ion Ratio Lower Upper

94 100

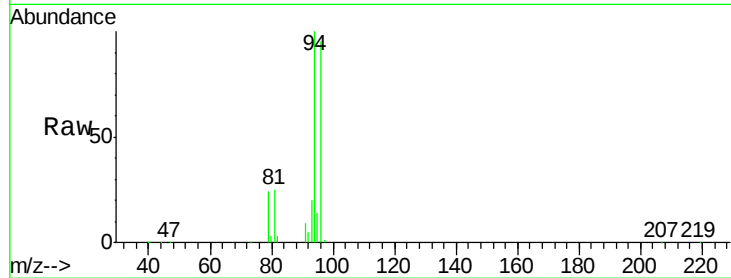
96 95.2 74.0 111.0

Manual Integrations

APPROVED

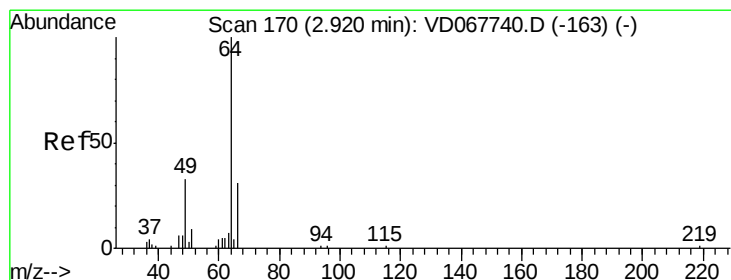
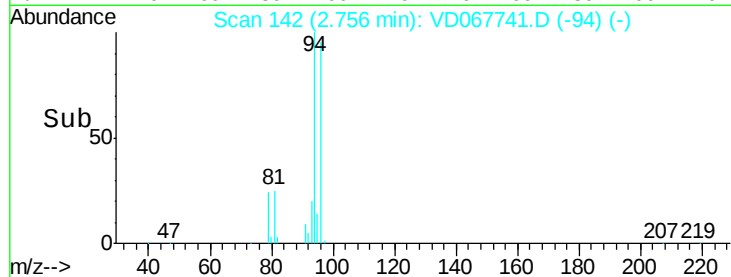
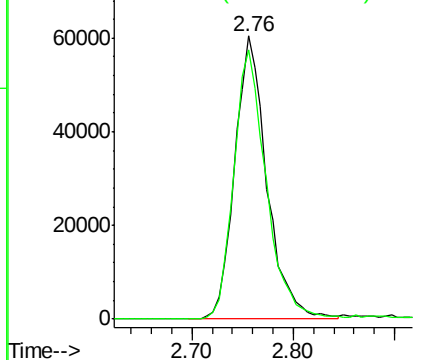
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 94.934 ug/l

RT: 2.91 min Scan# 169

Delta R.T. -0.01 min

Lab File: VD067741.D

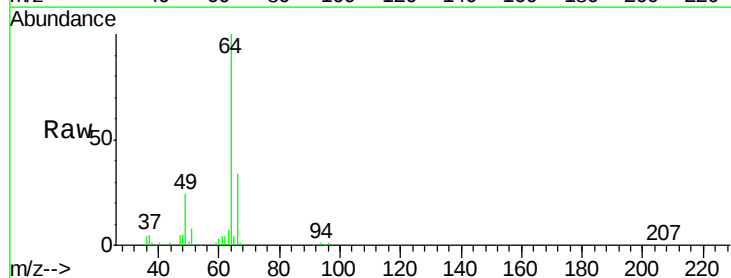
Acq: 23 Nov 2020 12:44

Tgt Ion: 64 Resp: 107003

Ion Ratio Lower Upper

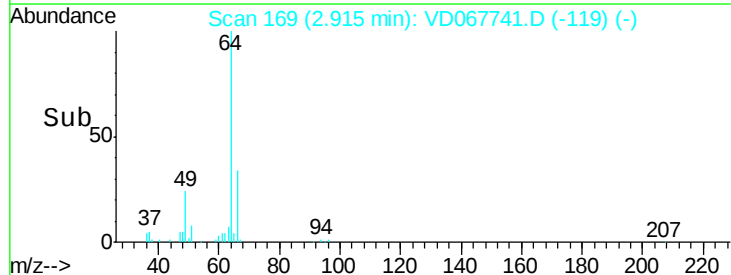
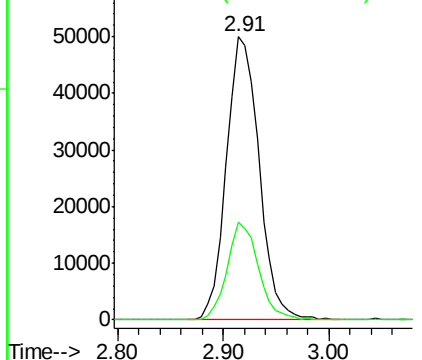
64 100

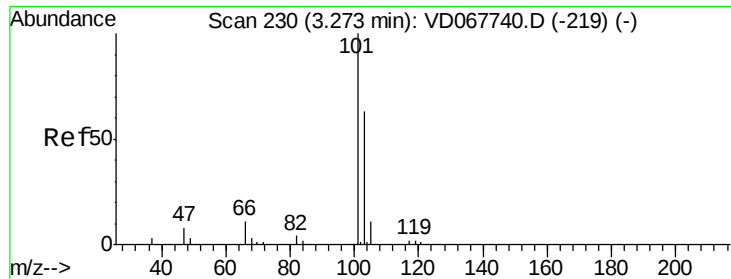
66 34.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

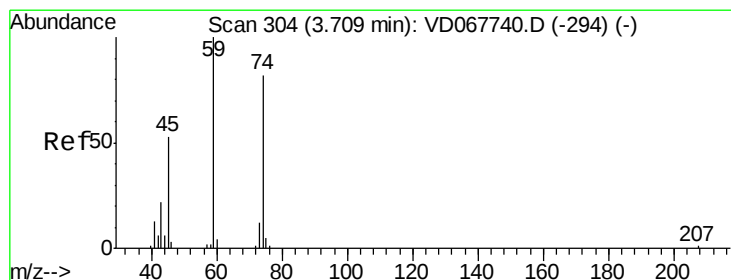
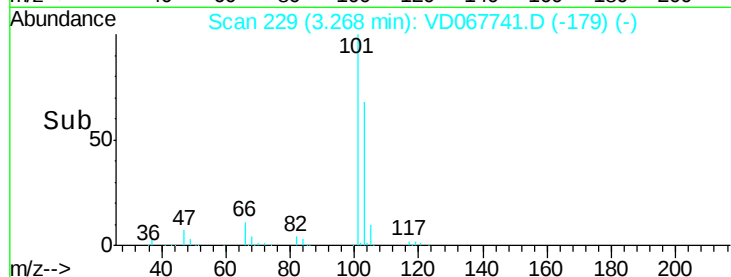
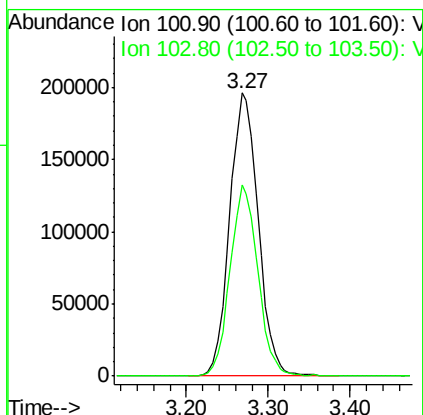
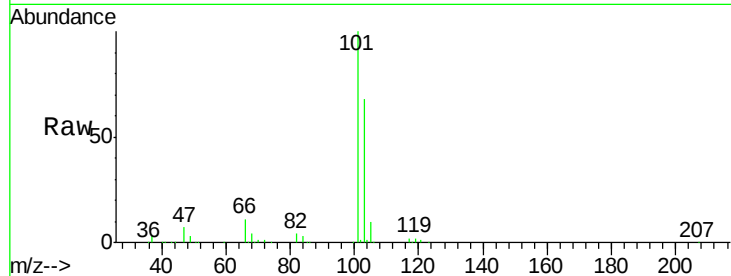
Trichlorofluoromethane
 Concen: 92.387 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

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 VSTDIC100

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.7	50.3	75.5

Manual Integrations
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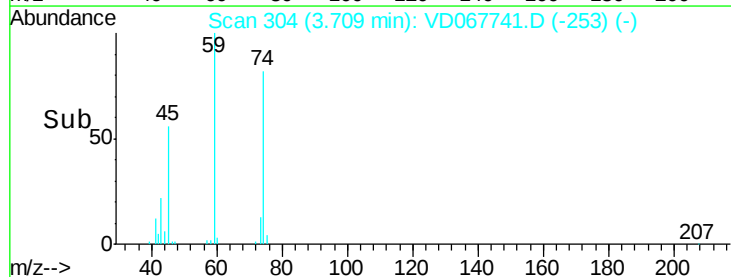
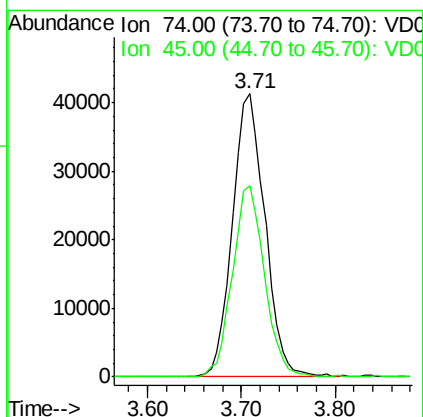
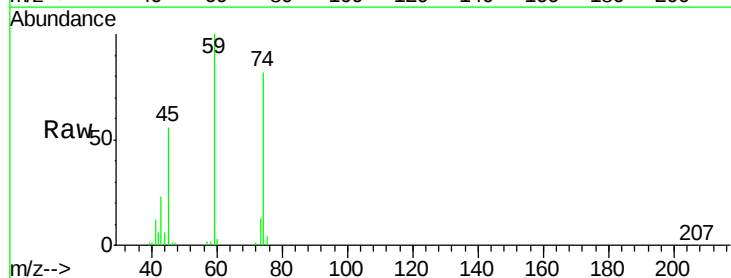
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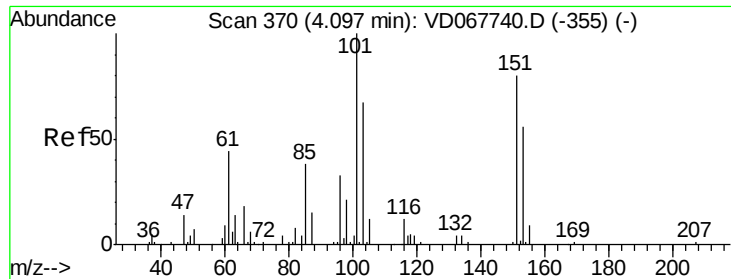


#8

Diethyl Ether
 Concen: 94.999 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	66.4	35.9	107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 91.367 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

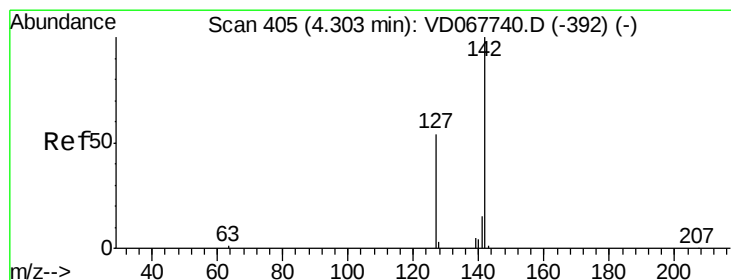
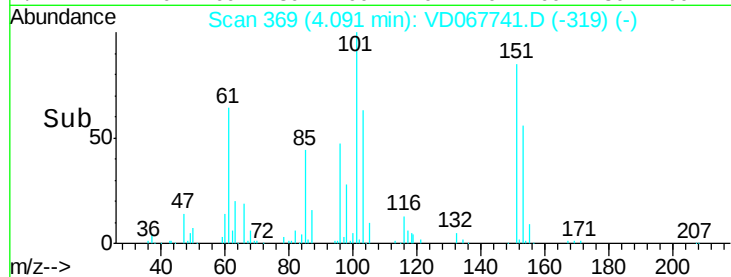
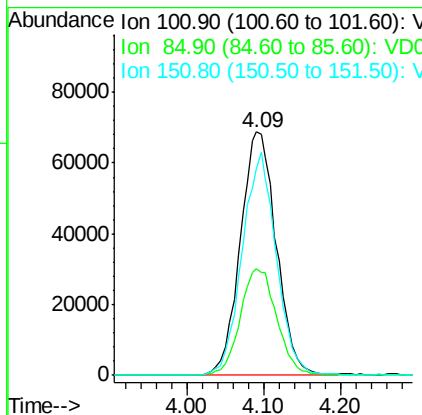
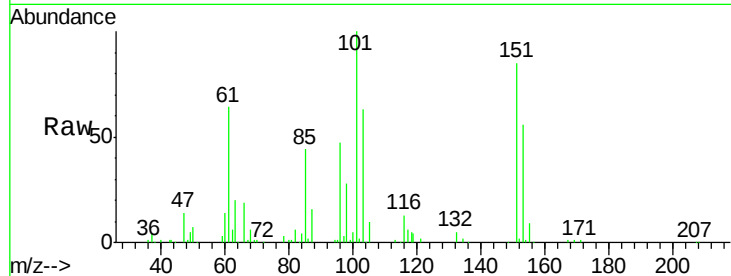
ClientSampleId :

VSTDIC100

Tot Ion:	101	Resp:	224981
Ion Ratio	Lower	Upper	
101	100		
85	44.2	35.5	53.3
151	86.7	69.4	104.0

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#10

Methyl Iodide

Concen: 110.692 ug/l

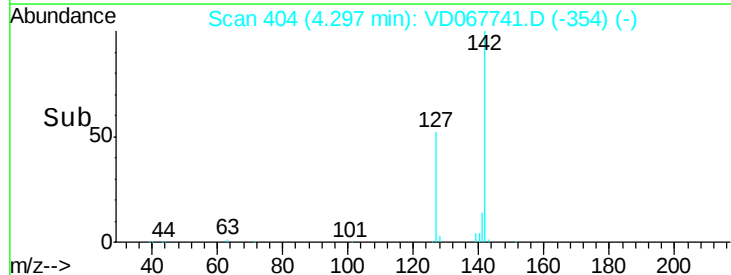
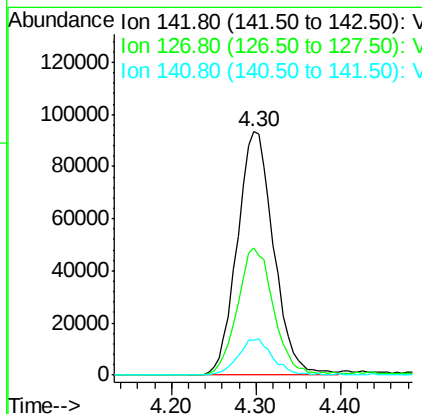
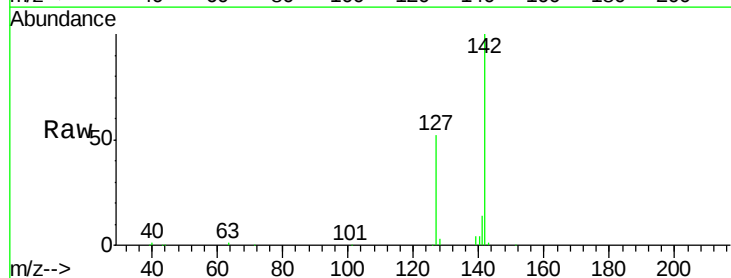
RT: 4.30 min Scan# 404

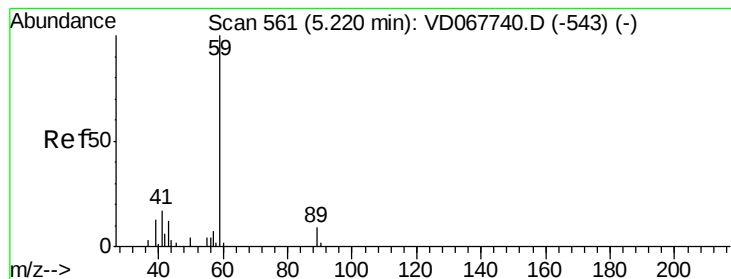
Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion:	142	Resp:	279655
Ion Ratio	Lower	Upper	
142	100		
127	51.7	42.2	63.2
141	14.0	11.8	17.6





#11

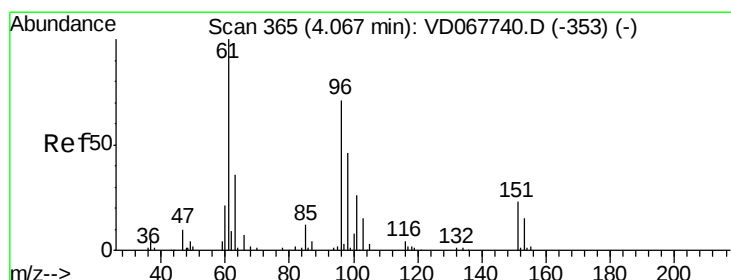
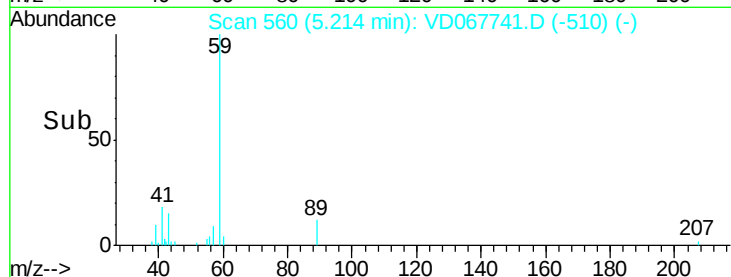
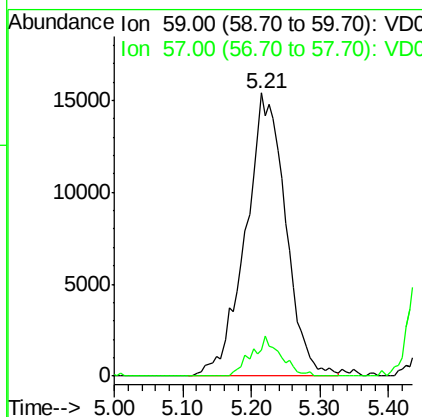
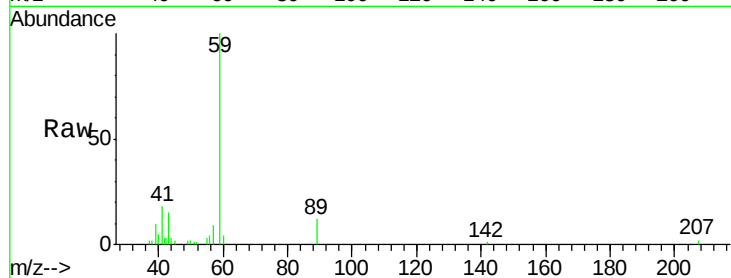
Tert butyl alcohol
Concen: 311.883 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.01 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	3.4	5.0#

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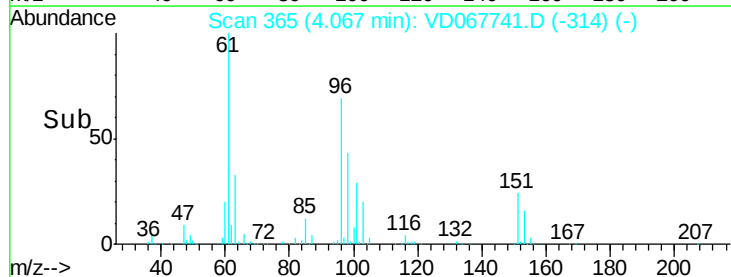
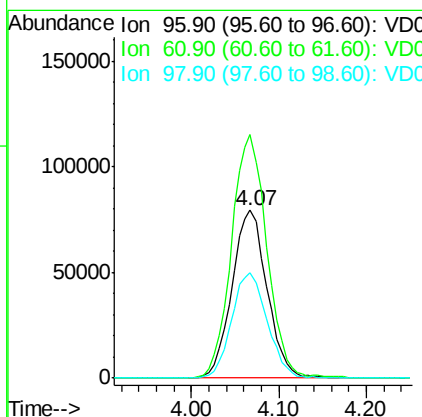
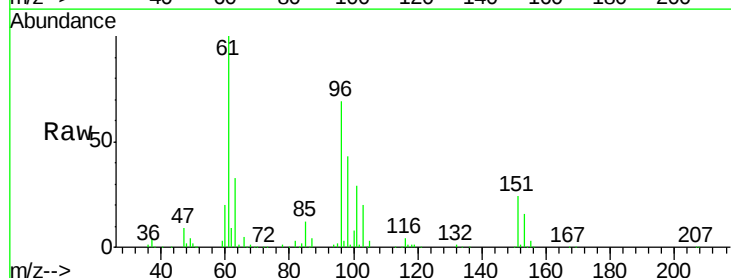
MMDadoda
11/24/2020 2:56:33 PM

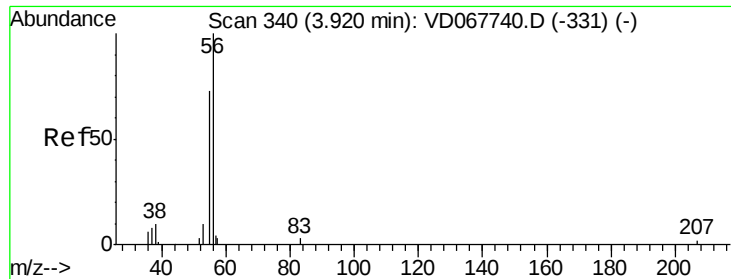


#12

1,1-Dichloroethene
Concen: 95.102 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
96	100		
61	145.3	112.9	169.3
98	63.0	52.4	78.6





#13

Acrolein

Concen: 514.858 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 56 Resp: 57048

Ion Ratio Lower Upper

56 100

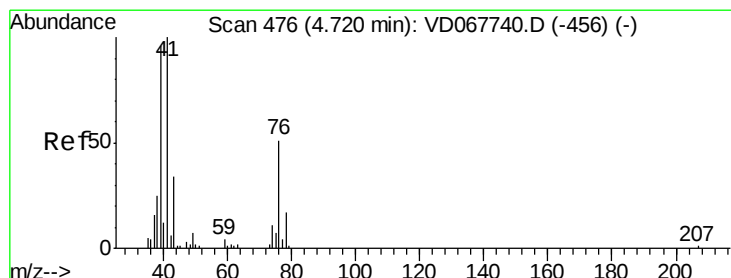
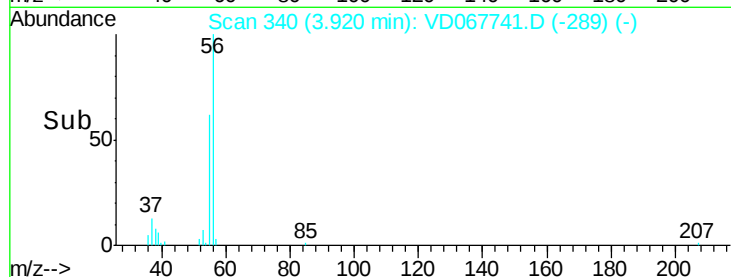
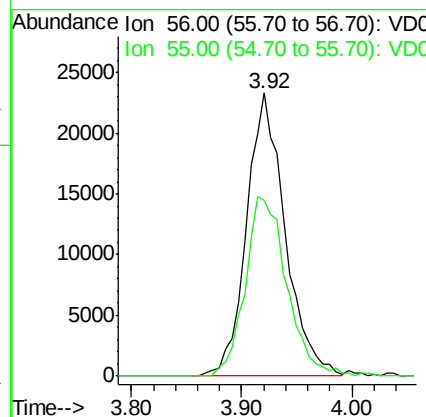
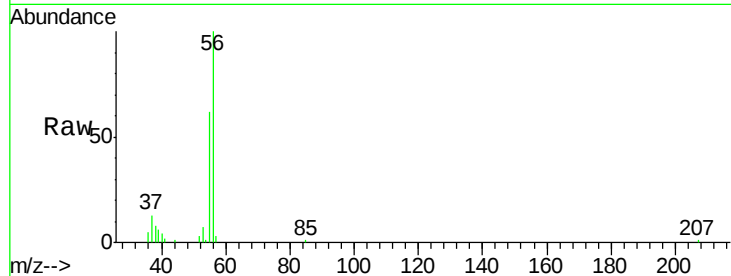
55 68.2 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 99.206 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

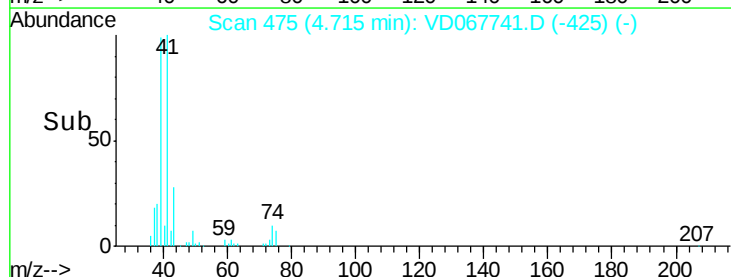
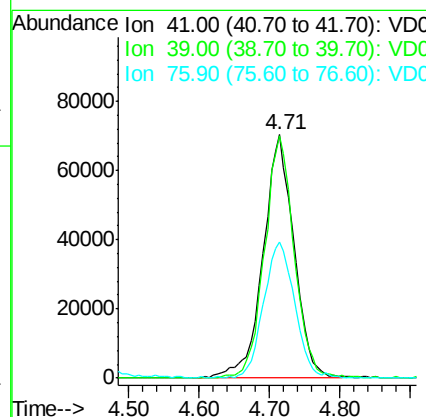
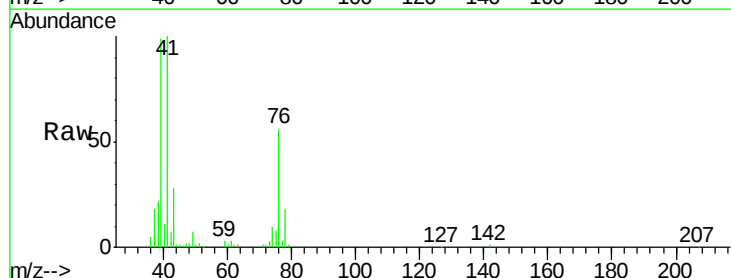
Tgt Ion: 41 Resp: 215876

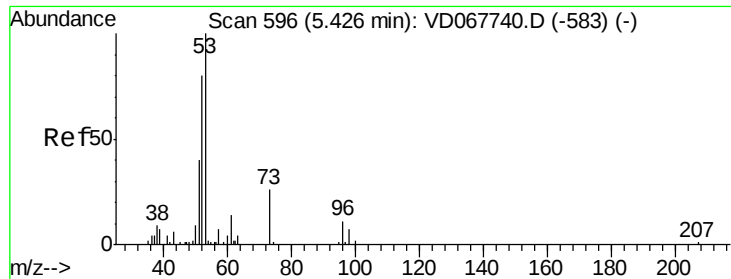
Ion Ratio Lower Upper

41 100

39 95.2 74.6 111.8

76 55.1 43.3 64.9





#15

Acrylonitrile

Concen: 486.310 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

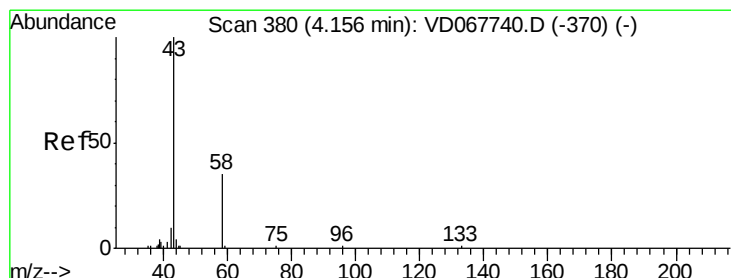
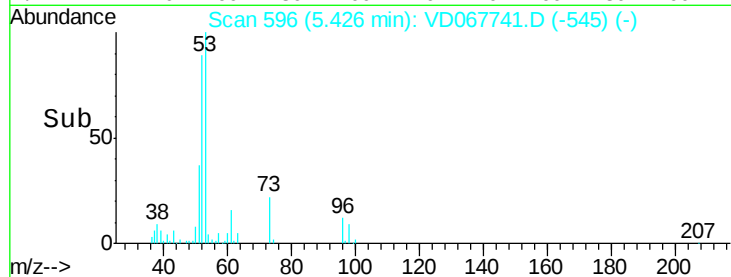
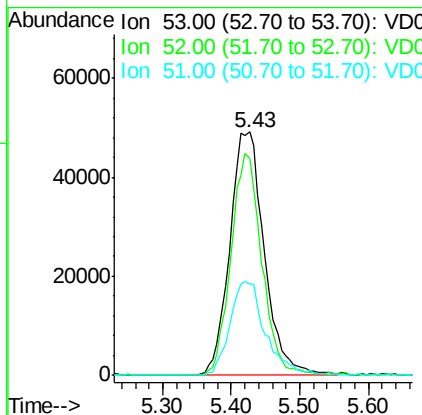
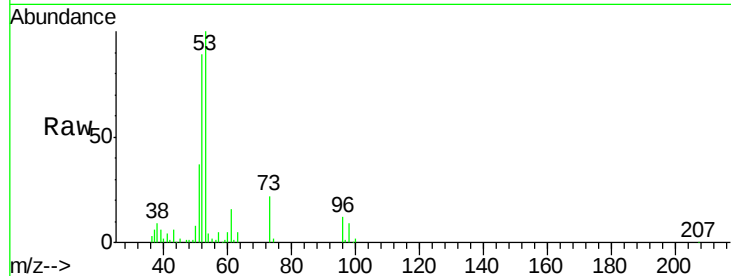
ClientSampleId :

VSTDIC100

Tot Ion:	53	Resp:	171912
Ion Ratio	Lower	Upper	
53	100		
52	81.0	63.4	95.2
51	39.7	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 466.501 ug/l

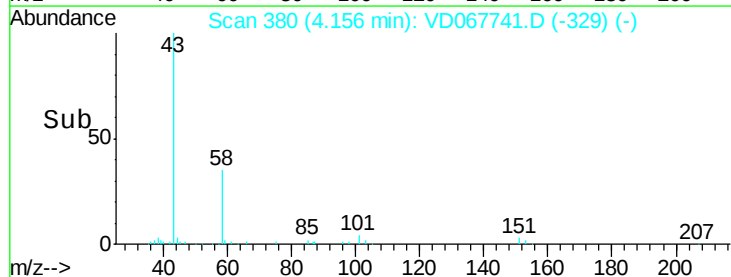
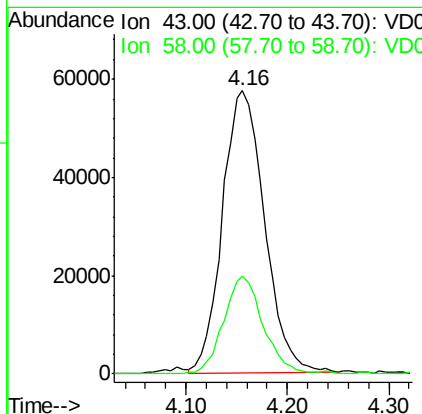
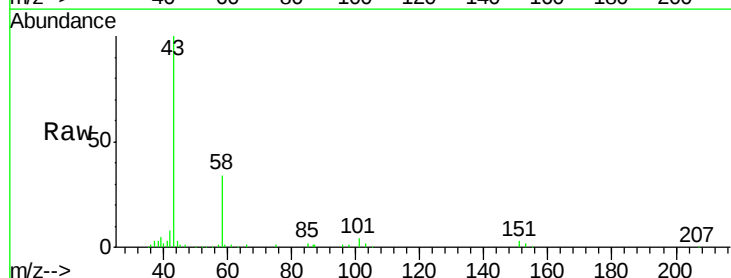
RT: 4.16 min Scan# 380

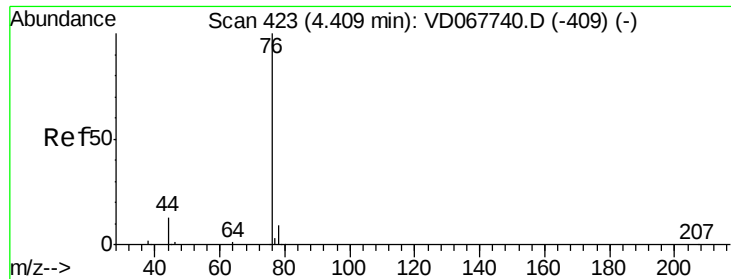
Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion:	43	Resp:	165885
Ion Ratio	Lower	Upper	
43	100		
58	34.2	27.6	41.4





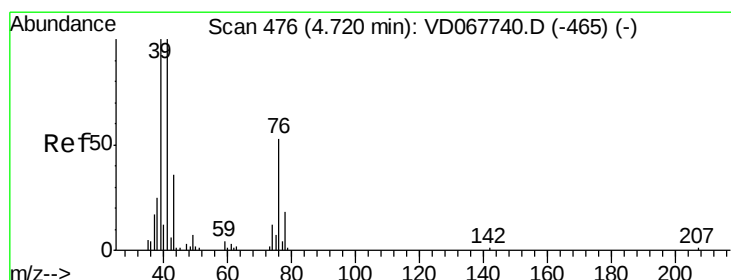
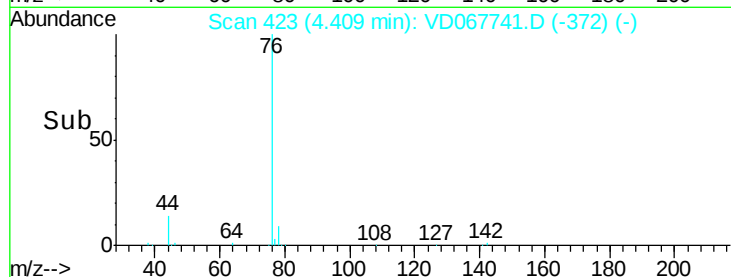
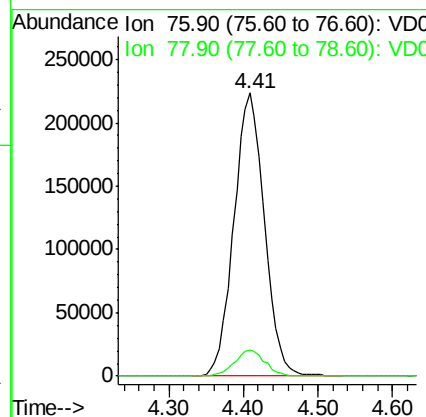
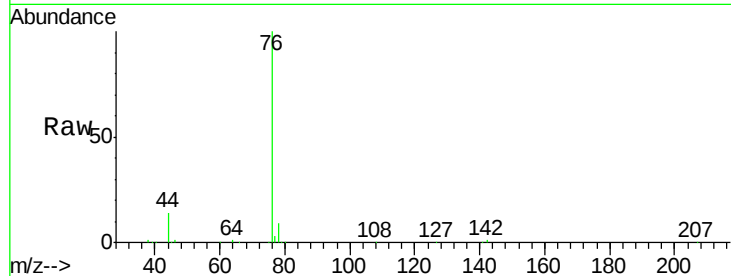
#17
Carbon Disulfide
Concen: 95.560 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.5	11.3

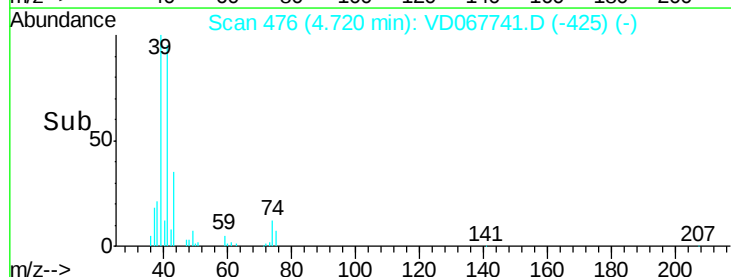
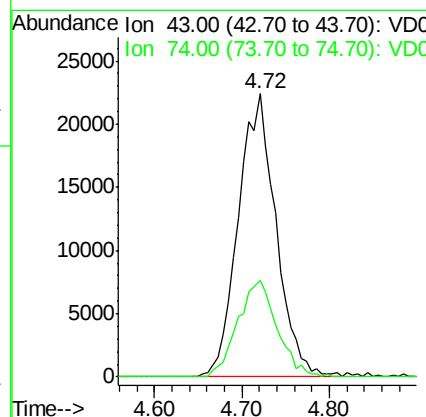
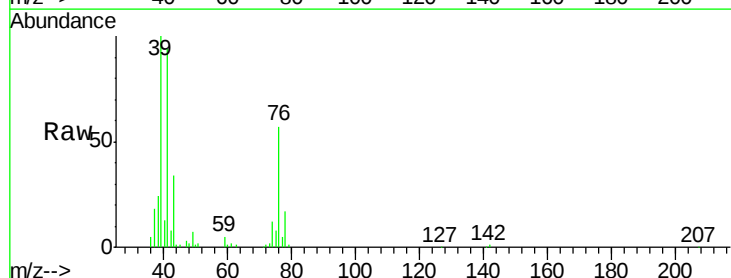
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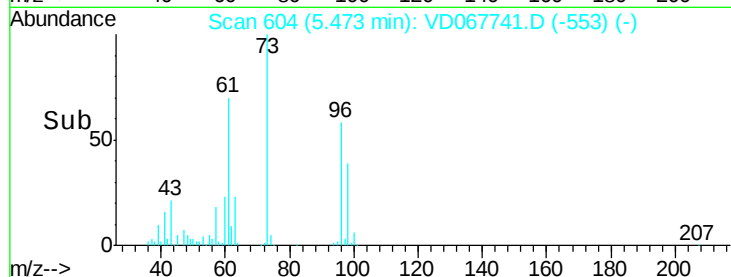
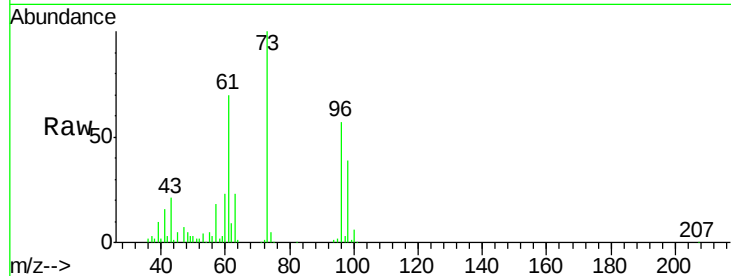
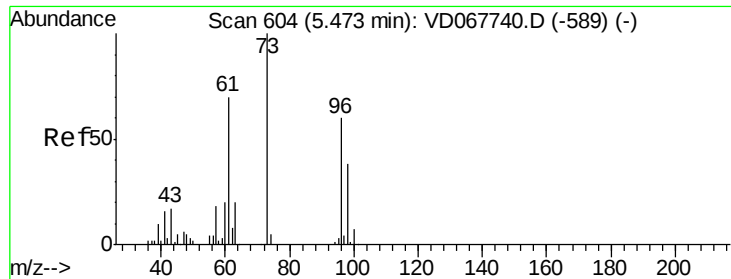
MMDadoda
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#18
Methyl Acetate
Concen: 95.565 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	35.4	29.7	44.5





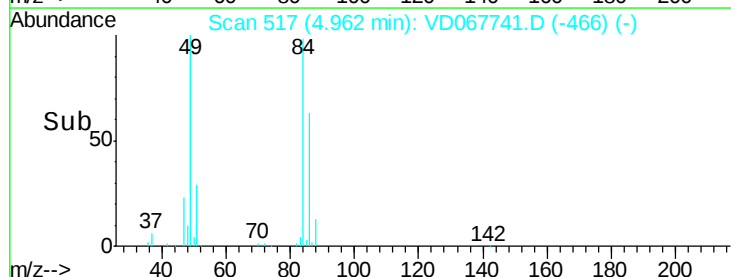
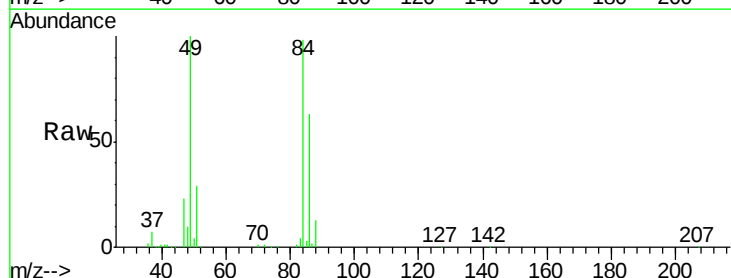
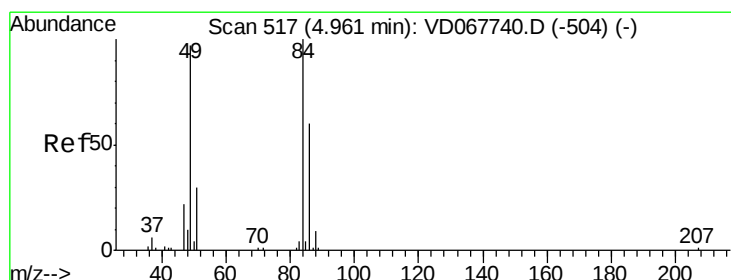
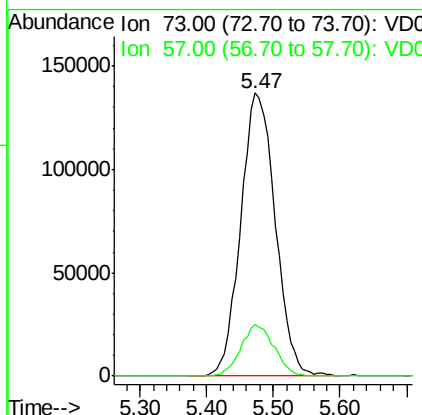
#19
Methyl tert-butyl Ether
Concen: 100.827 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tot Ion: 73 Resp: 488308
Ion Ratio Lower Upper
73 100
57 18.3 14.8 22.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

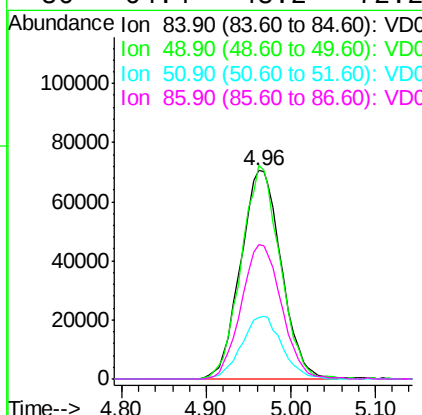
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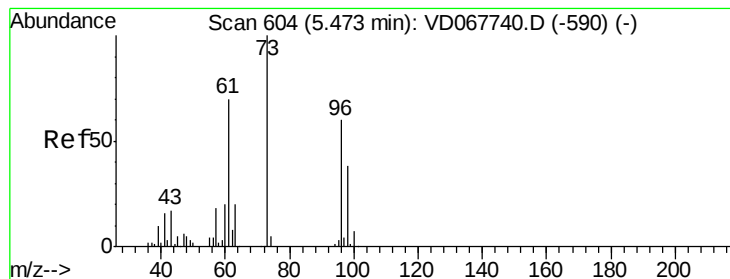
MMDadoda
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#20
Methylene Chloride
Concen: 67.215 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion: 84 Resp: 236948
Ion Ratio Lower Upper
84 100
49 102.5 77.4 116.2
51 29.8 24.1 36.1
86 64.4 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 96.512 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

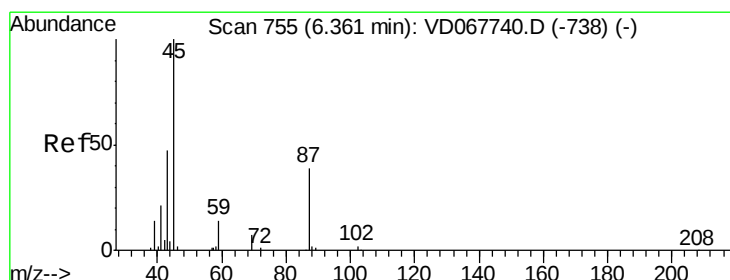
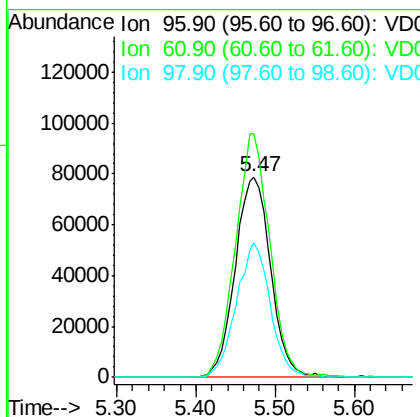
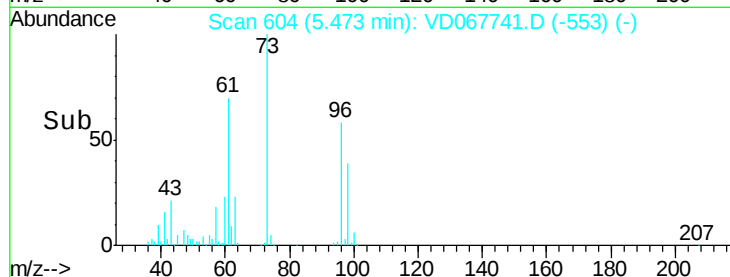
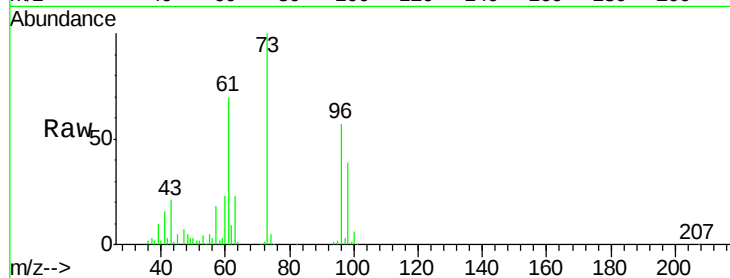
ClientSampleId :

VSTDIC100

Tot Ion:	96	Resp:	244647
Ion	Ratio	Lower	Upper
96	100		
61	121.5	94.0	141.0
98	67.1	51.3	76.9

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#22

Diisopropyl ether

Concen: 97.626 ug/l

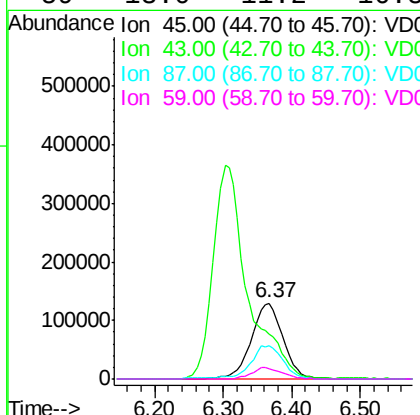
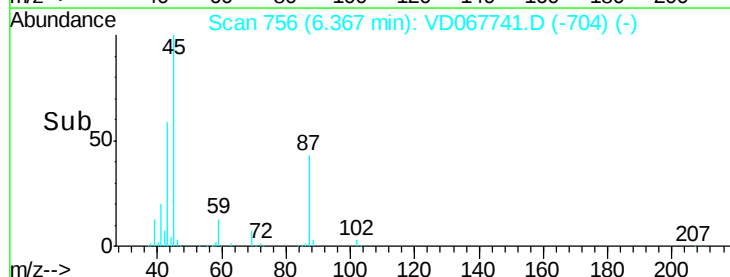
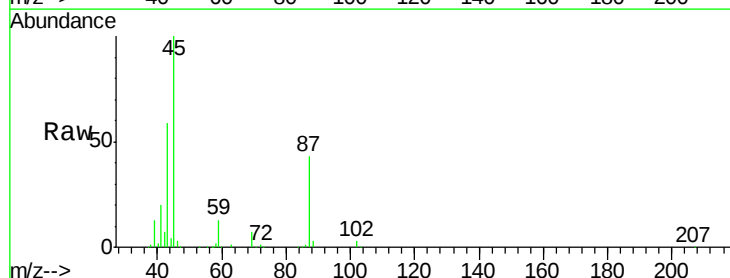
RT: 6.37 min Scan# 756

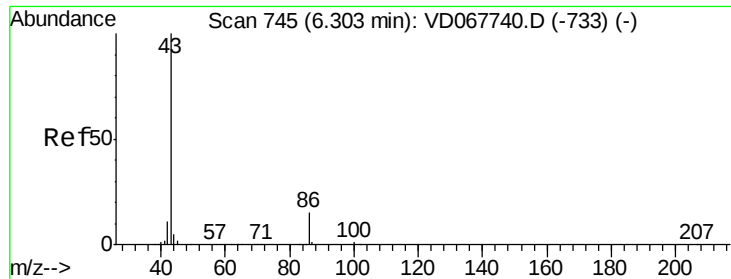
Delta R.T. 0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion:	45	Resp:	418096
Ion	Ratio	Lower	Upper
45	100		
43	58.3	46.8	70.2
87	43.2	32.9	49.3
59	13.0	11.2	16.8





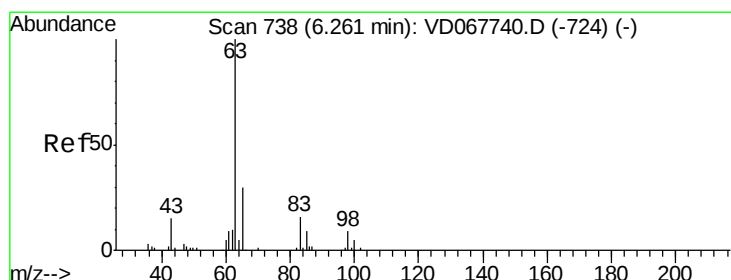
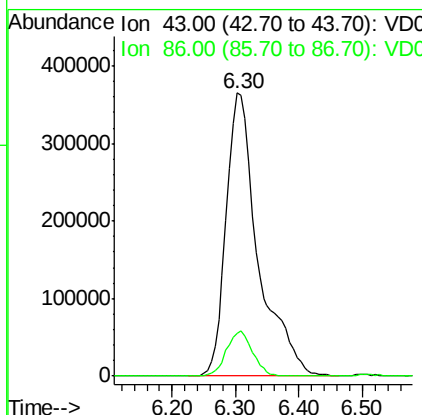
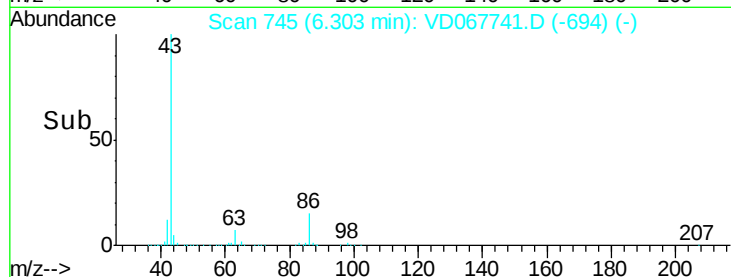
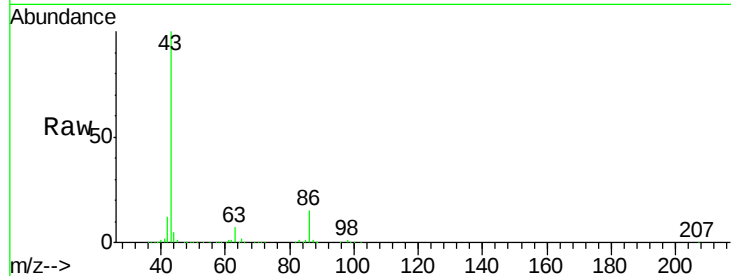
#23
 Vinyl Acetate
 Concen: 525.550 ug/l
 RT: 6.30 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion: 43 Resp: 1278015
 Ion Ratio Lower Upper
 43 100
 86 15.1 11.7 17.5

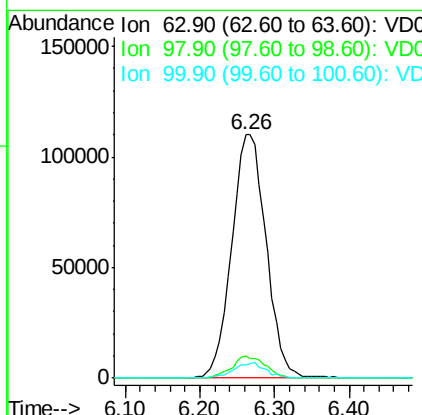
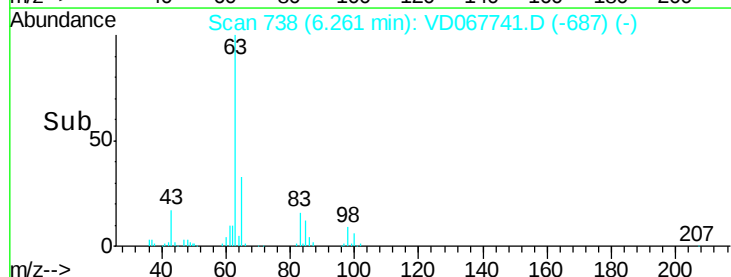
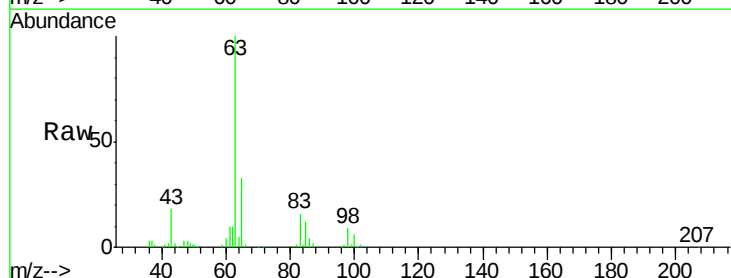
Manual Integrations
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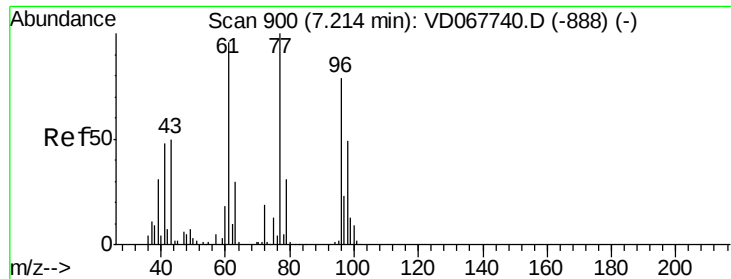
MMDadoda
 11/24/2020 2:56:33 PM



#24
 1,1-Dichloroethane
 Concen: 95.173 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Tgt Ion: 63 Resp: 352722
 Ion Ratio Lower Upper
 63 100
 98 8.9 4.4 13.2
 100 5.6 2.6 8.0





#25

2-Butanone

Concen: 474.263 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 43 Resp: 180061

Ion Ratio Lower Upper

43 100

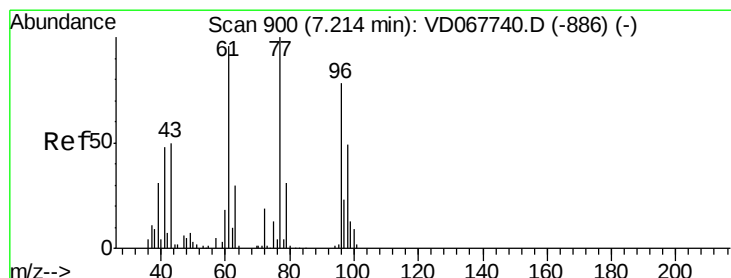
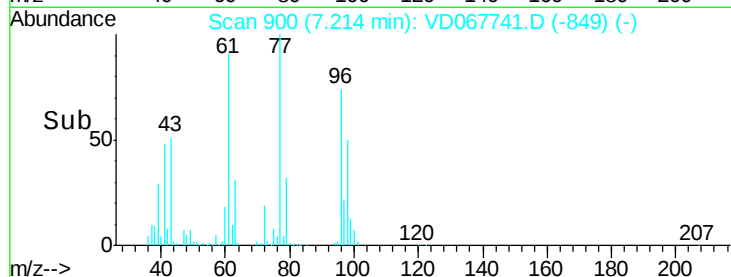
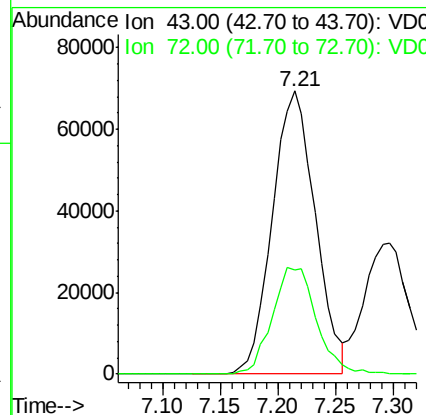
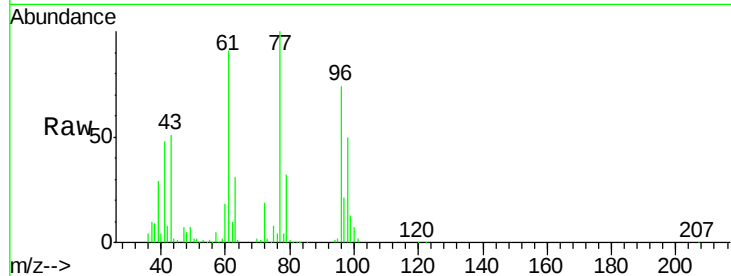
72 36.8 30.8 46.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 92.812 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067741.D

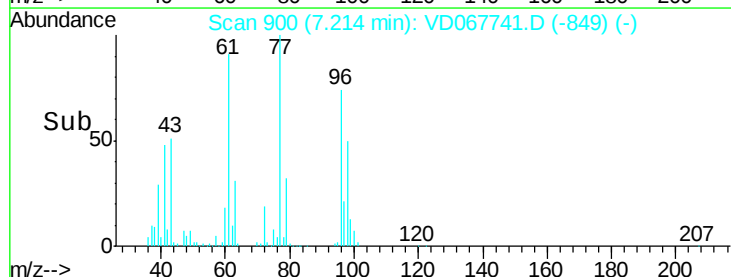
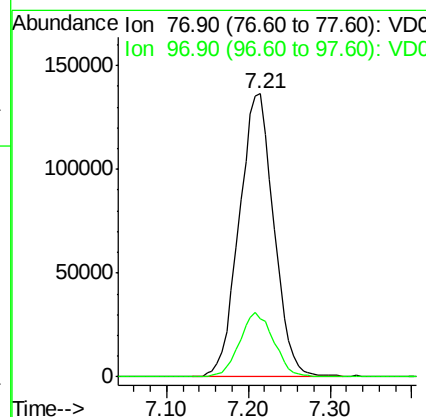
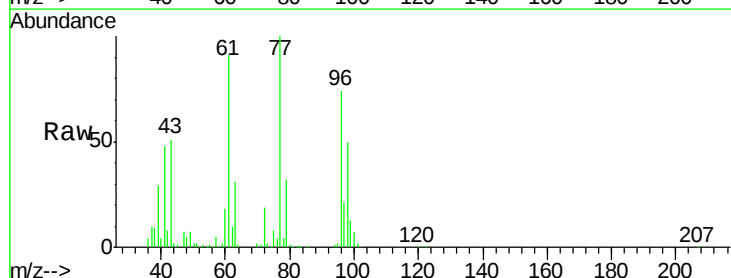
Acq: 23 Nov 2020 12:44

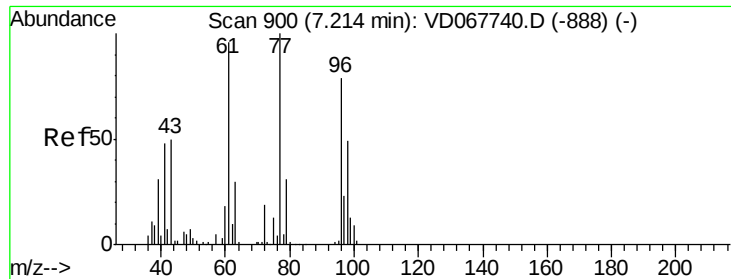
Tgt Ion: 77 Resp: 402755

Ion Ratio Lower Upper

77 100

97 22.4 11.1 33.3





#27

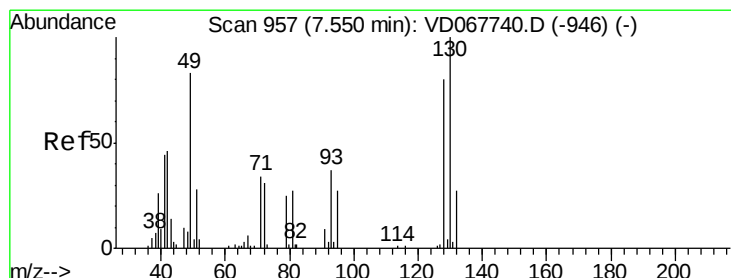
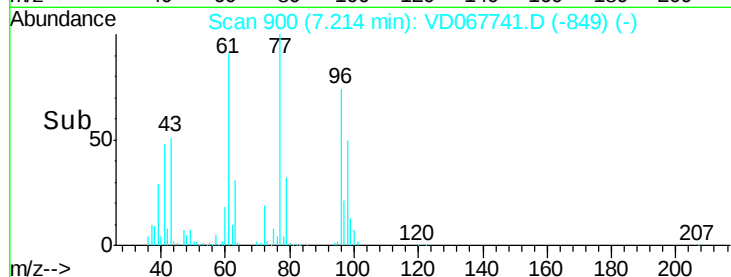
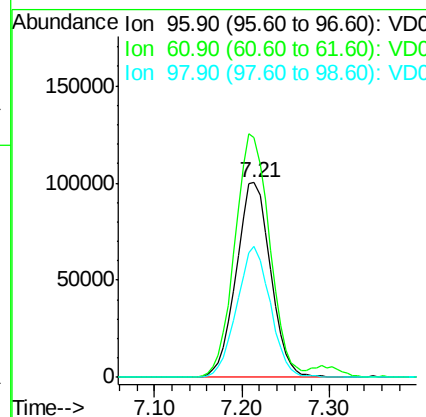
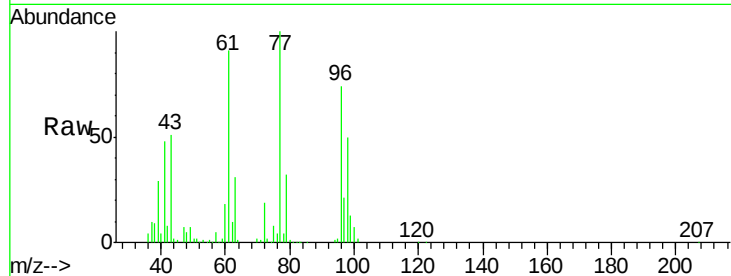
cis-1,2-Dichloroethene
 Concen: 97.891 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
96	100		
61	126.4	0.0	258.0
98	65.6	0.0	131.8

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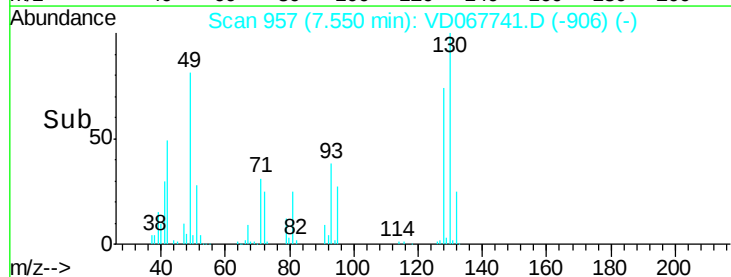
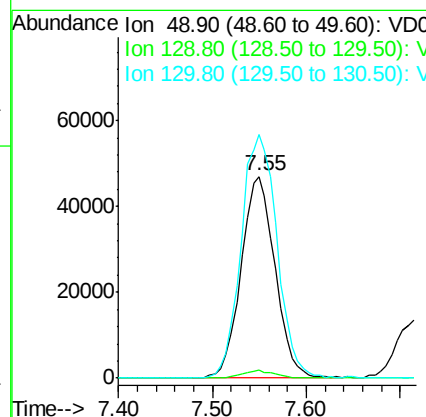
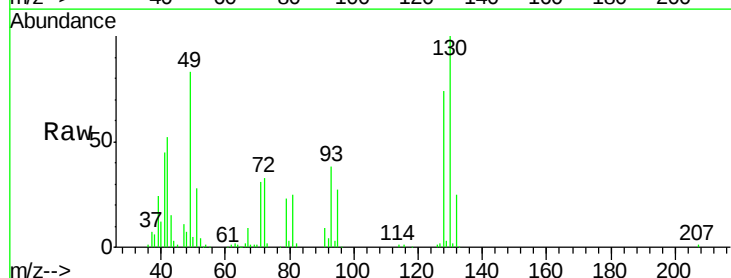
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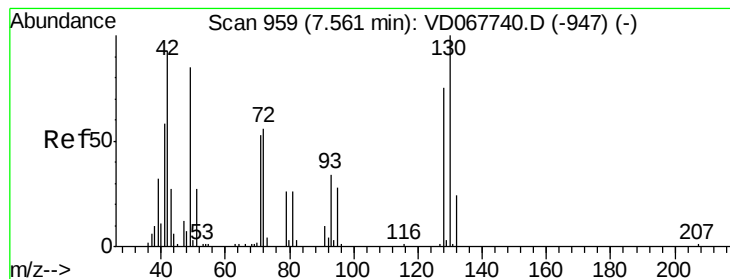


#28

Bromochloromethane
 Concen: 99.600 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.4	0.0	7.0
130	127.5	102.2	153.4





#29

Tetrahydrofuran

Concen: 495.584 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

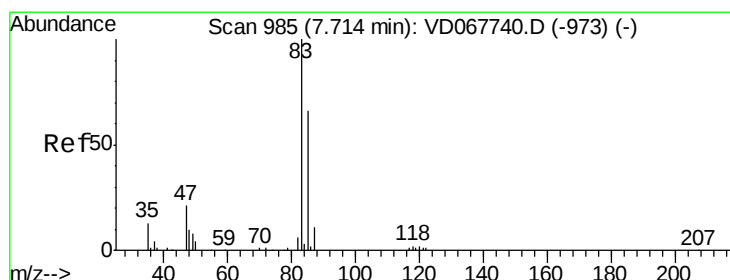
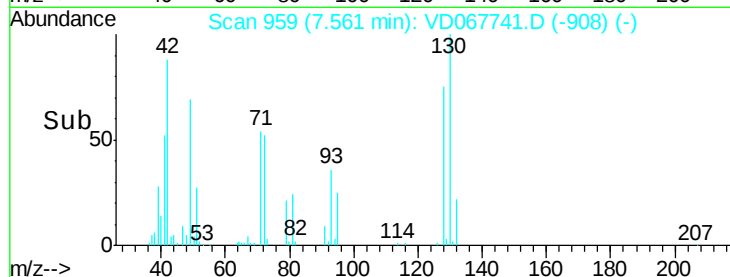
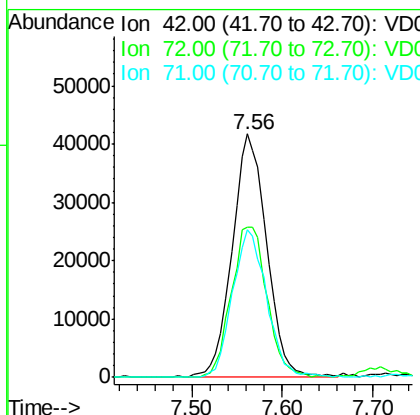
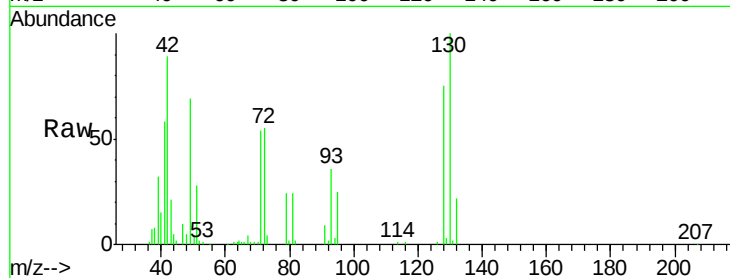
ClientSampleId :

VSTDIC100

Tot Ion:	42	Resp:	110291
Ion	Ratio	Lower	Upper
42	100		
72	63.7	49.3	73.9
71	60.3	45.9	68.9

Manual Integrations
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#30

Chloroform

Concen: 93.055 ug/l

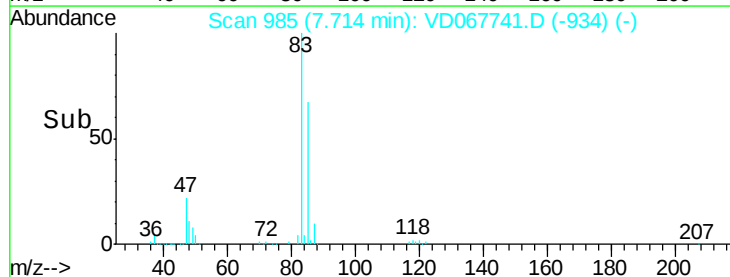
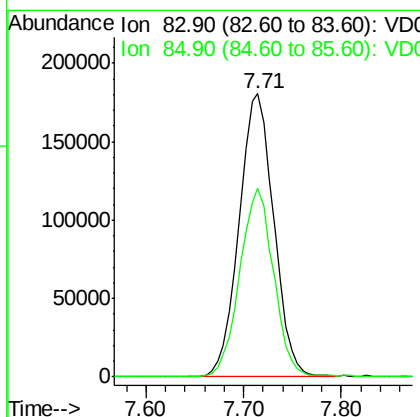
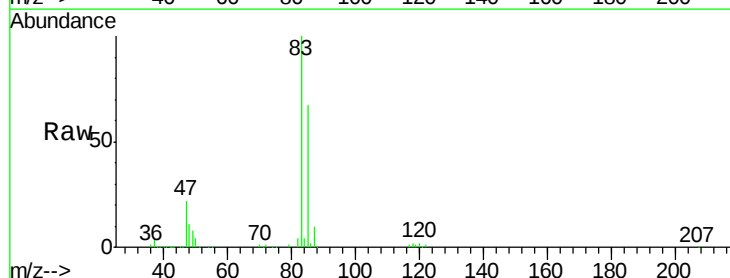
RT: 7.71 min Scan# 985

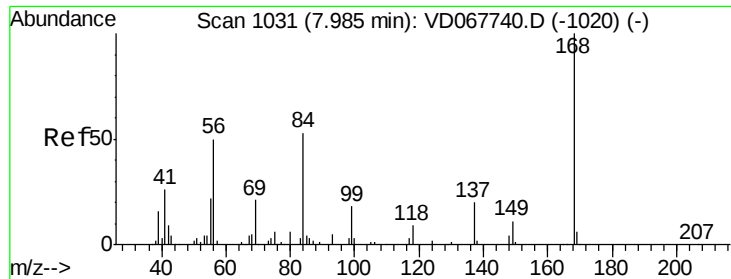
Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion:	83	Resp:	447271
Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.1	79.7





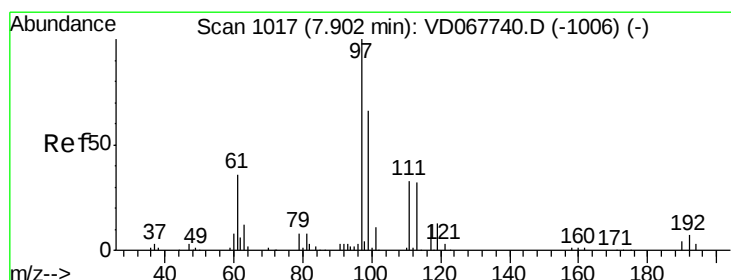
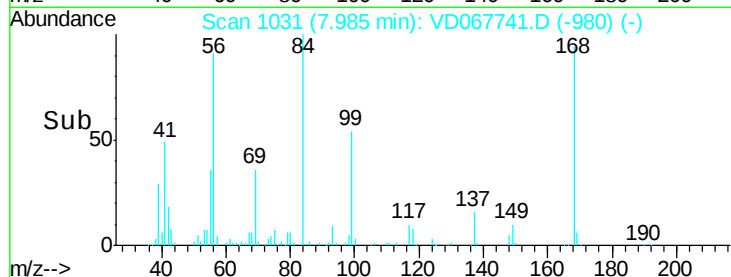
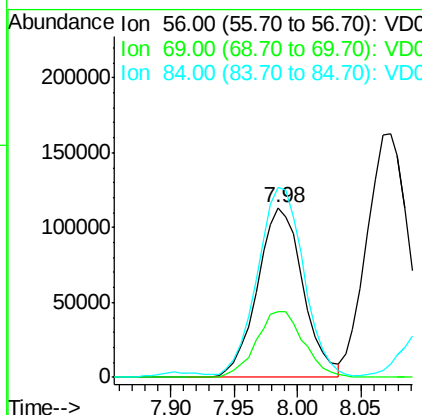
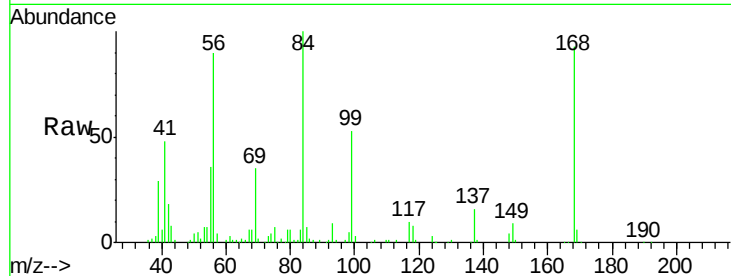
#31
Cyclohexane
Concen: 88.677 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
56	100	284166		
69	39.0		33.2	49.8
84	108.7		84.8	127.2

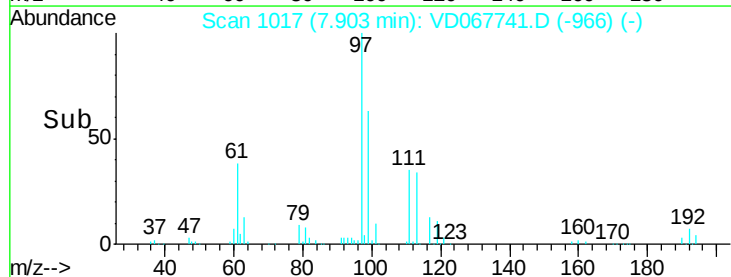
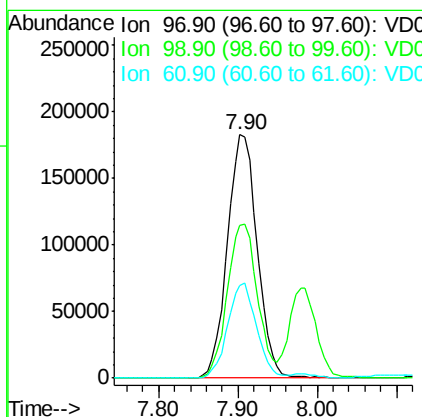
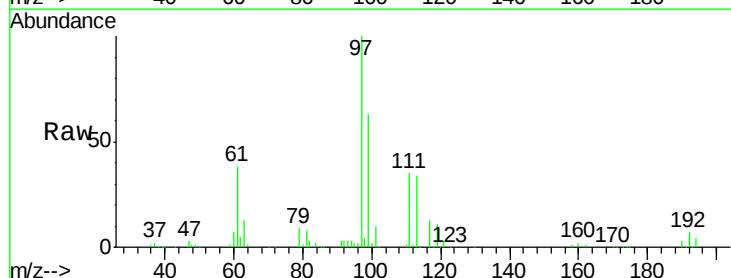
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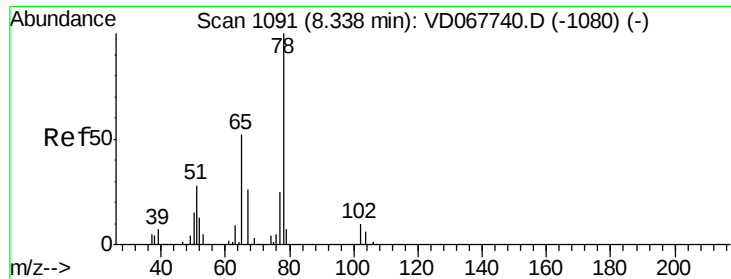
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#32
1,1,1-Trichloroethane
Concen: 92.881 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	475684		
99	64.3		51.1	76.7
61	37.5		29.4	44.2





#33

1,2-Dichloroethane-d4

Concen: 100.592 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 65 Resp: 270033

Ion Ratio Lower Upper

65 100

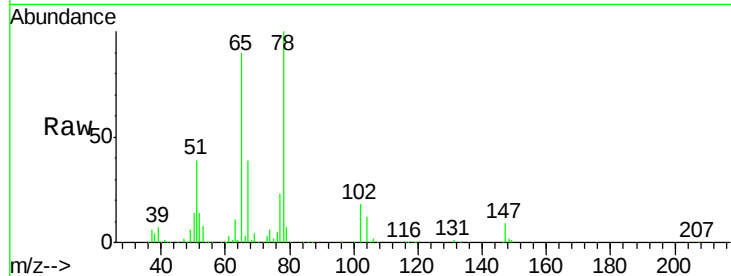
67 47.2 0.0 101.0

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

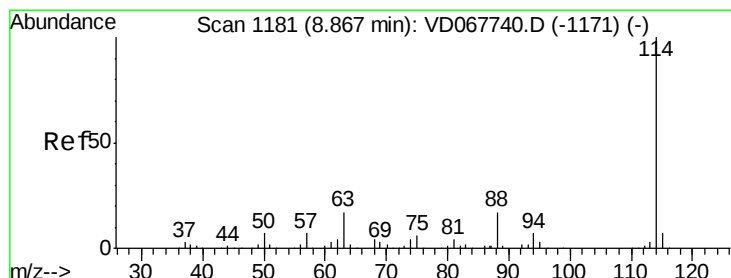
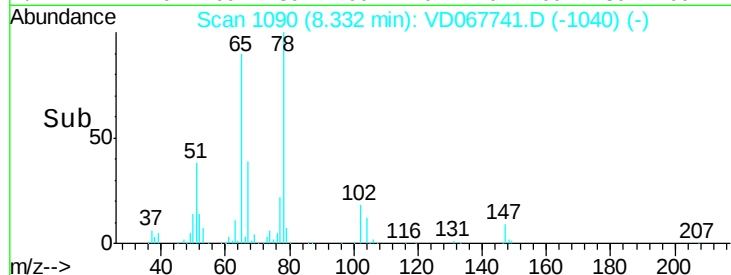
8.33

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

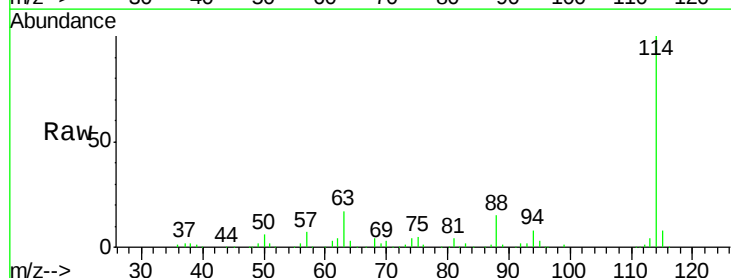
Tgt Ion: 114 Resp: 388078

Ion Ratio Lower Upper

114 100

63 17.1 0.0 34.8

88 15.2 0.0 34.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

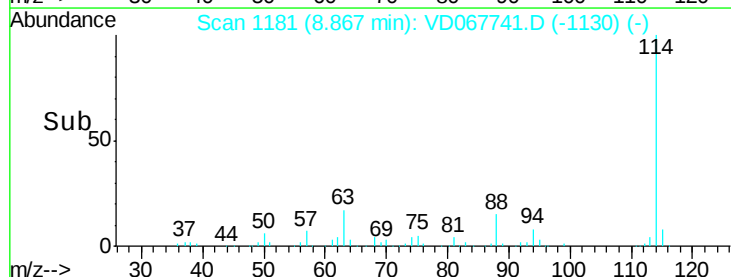
150000

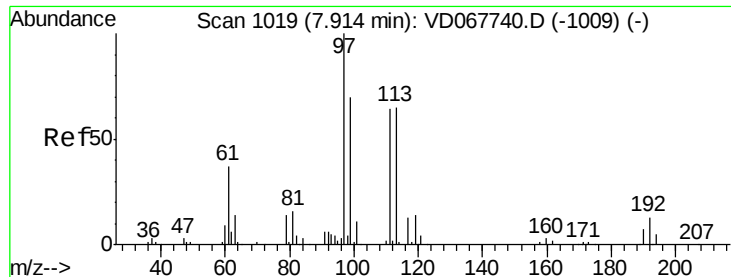
100000

50000

0

Time-->





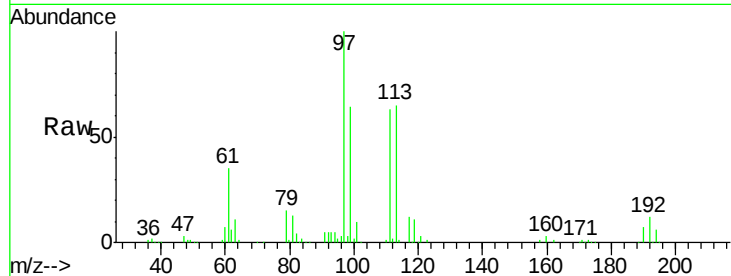
#35
 Dibromofluoromethane
 Concen: 103.209 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

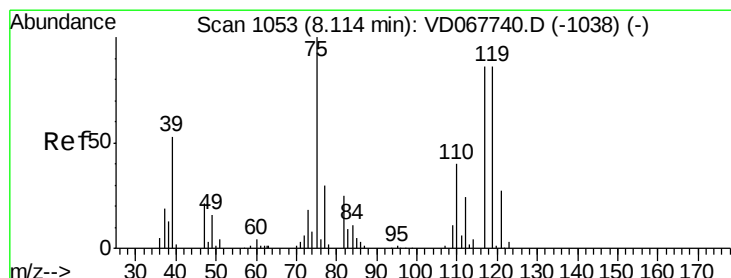
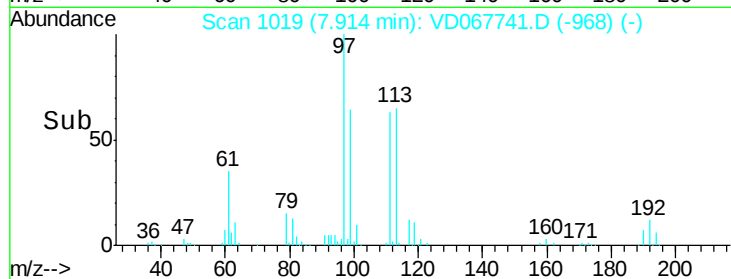
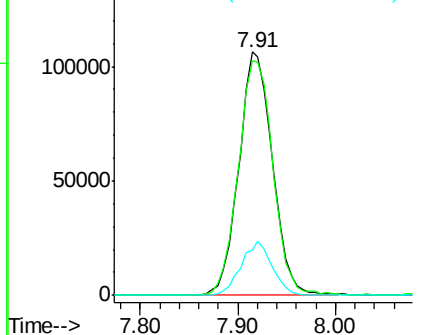
Tot Ion	Ratio	Resp	Lower	Upper
113	100	256420		
111	99.7	81.4	122.0	
192	20.5	17.0	25.4	

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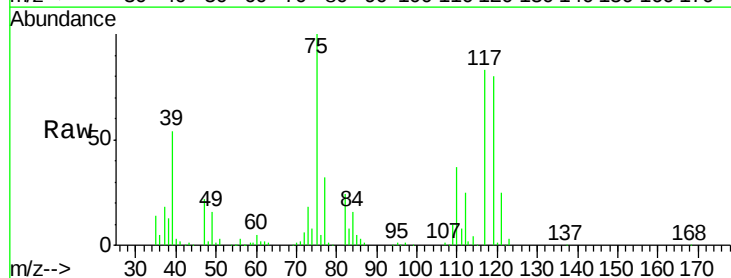


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

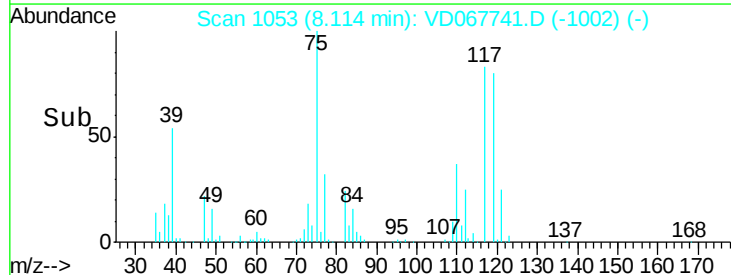
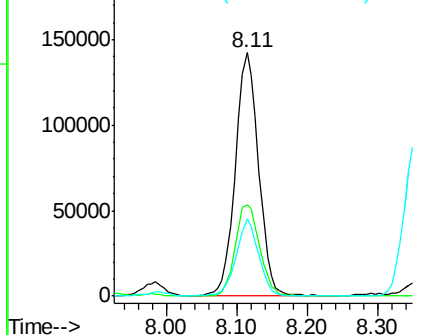


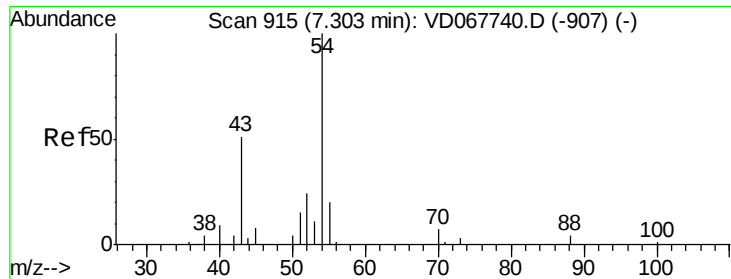
#36
 1,1-Dichloropropene
 Concen: 97.195 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	326539		
110	39.2	20.1	60.2	
77	30.6	24.8	37.2	



Abundance Ion 74.90 (74.60 to 75.60): VDC
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VDC





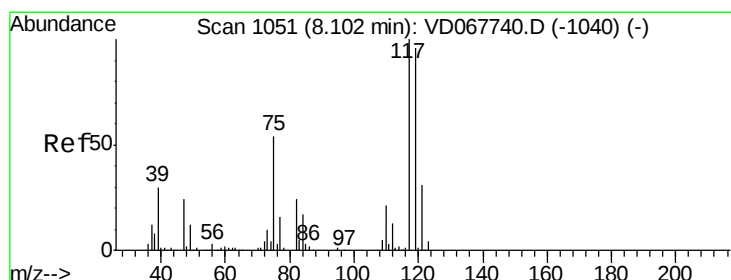
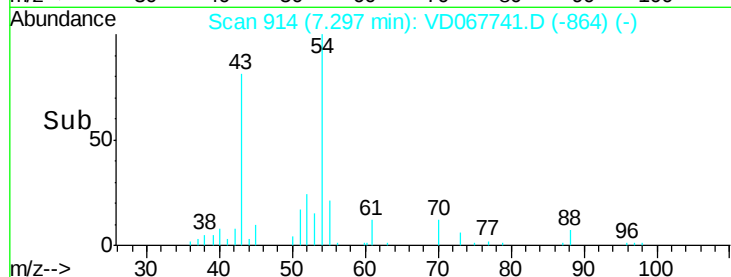
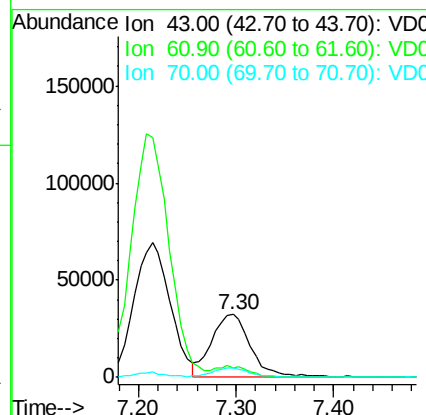
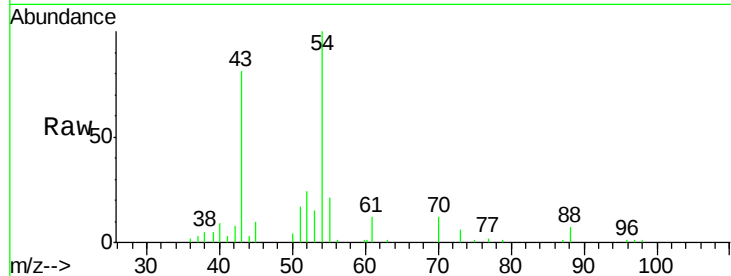
#37
Ethyl Acetate
Concen: 100.086 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.6	12.9	19.3
70	14.2	12.2	18.2

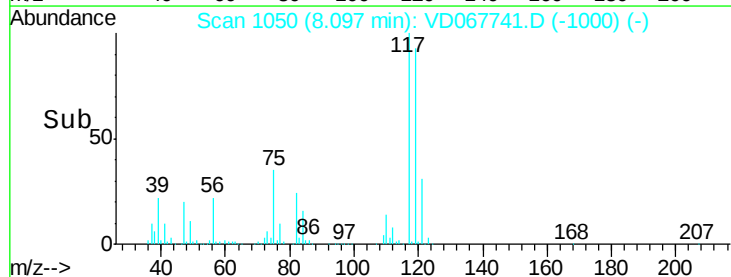
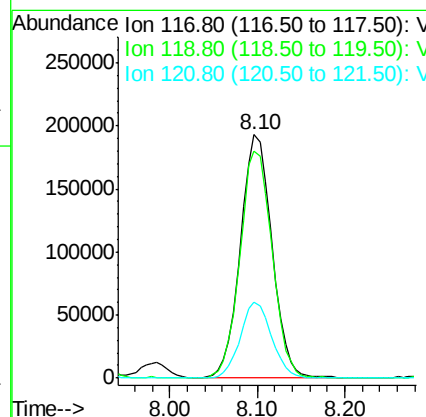
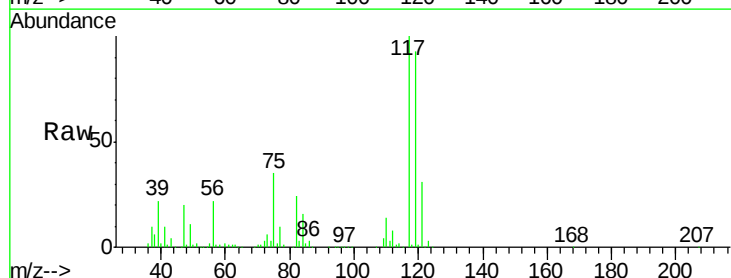
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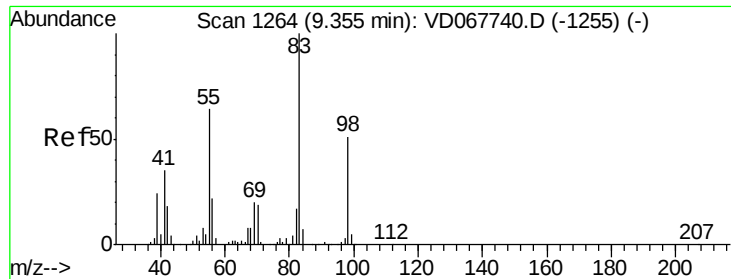
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#38
Carbon Tetrachloride
Concen: 95.228 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	76.6	115.0
121	31.0	24.5	36.7





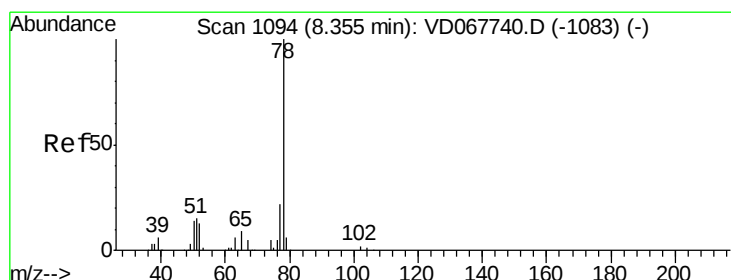
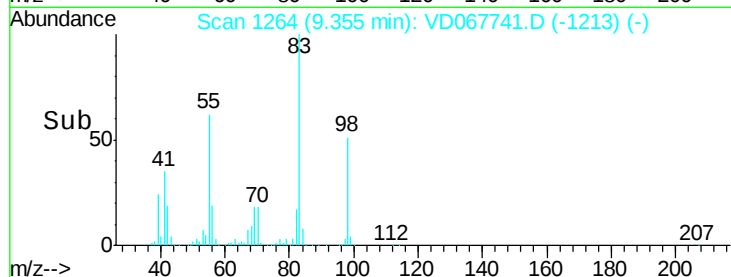
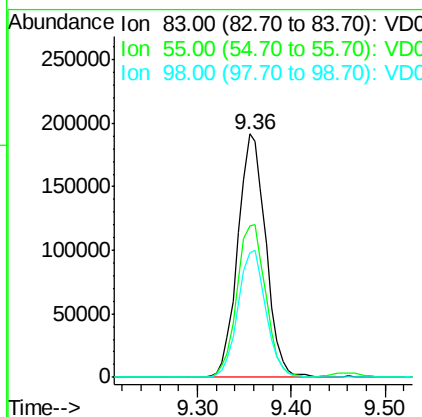
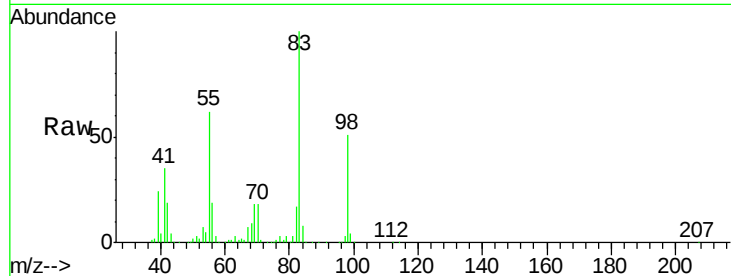
#39
Methylvlcvclohexane
Concen: 99.236 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
83	100		
55	62.1	51.0	76.4
98	51.3	40.4	60.6

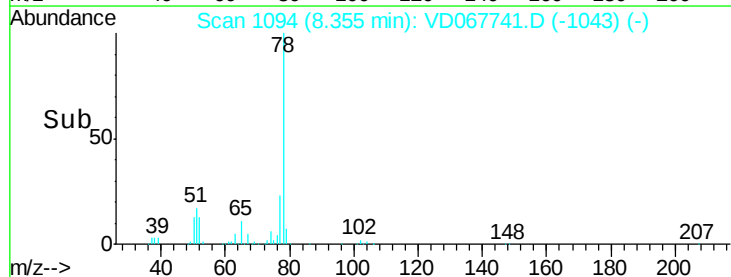
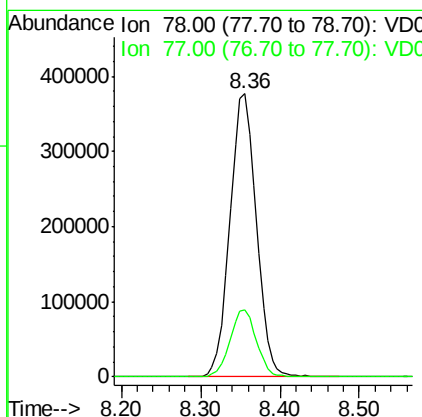
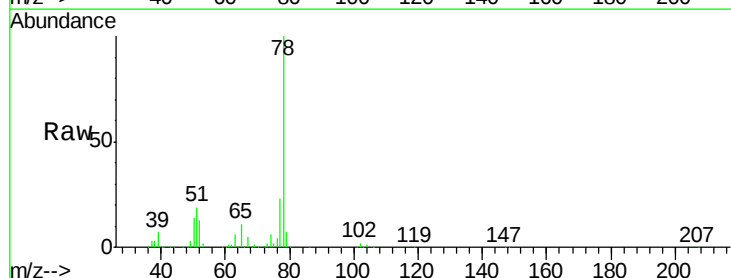
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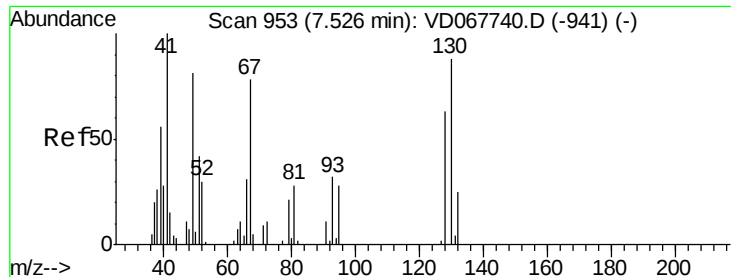
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#40
Benzene
Concen: 93.908 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	17.8	26.6





#41

Methacrylonitrile

Concen: 123.212 ug/l m

RT: 7.53 min Scan# 954

Delta R.T. 0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 41 Resp: 50502

Ion Ratio Lower Upper

41 100

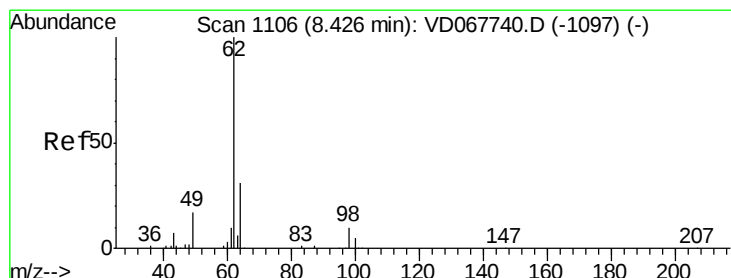
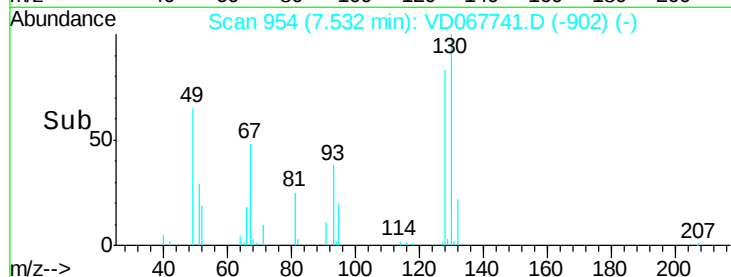
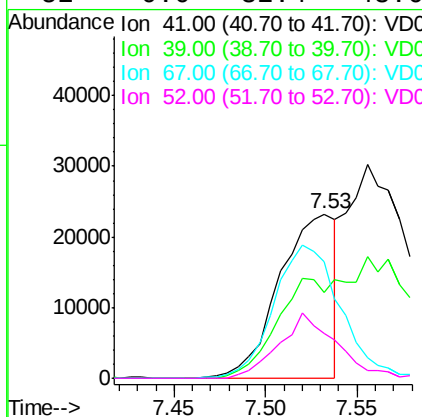
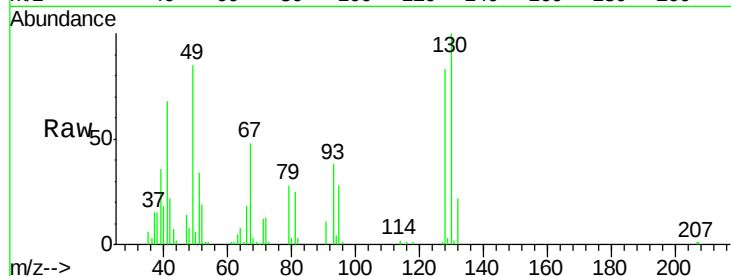
39 0.0 50.2 75.4#

67 0.0 79.0 118.6#

52 0.0 32.4 48.6#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 95.252 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067741.D

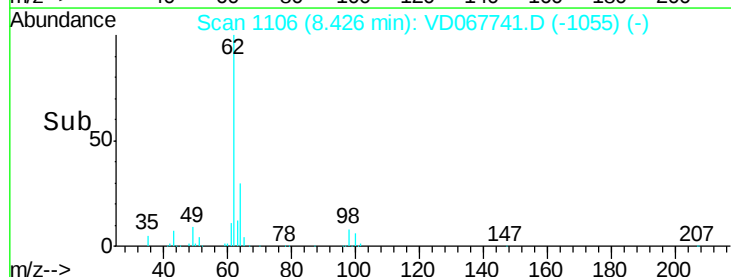
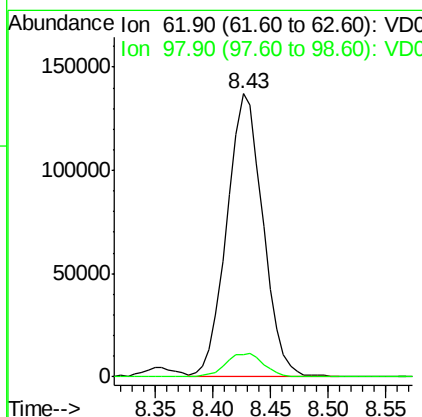
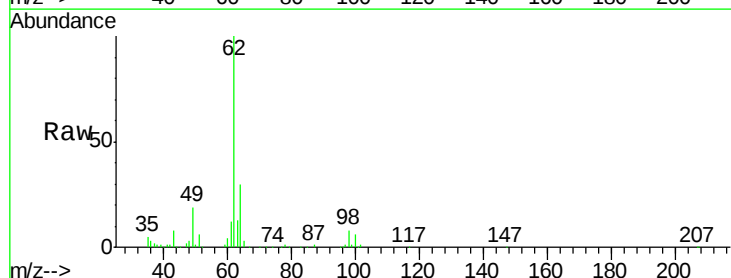
Acq: 23 Nov 2020 12:44

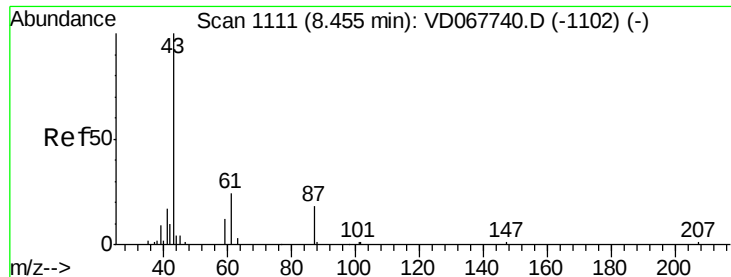
Tgt Ion: 62 Resp: 296491

Ion Ratio Lower Upper

62 100

98 8.9 0.0 18.2





#43

Isopropyl Acetate

Concen: 99.647 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

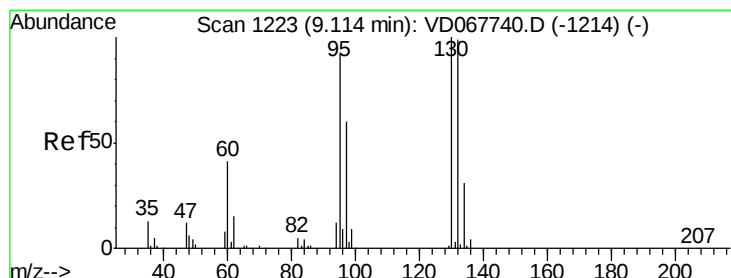
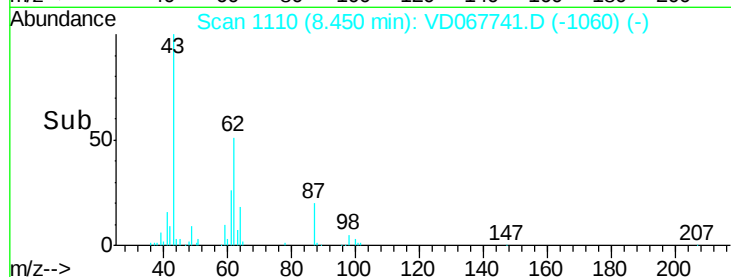
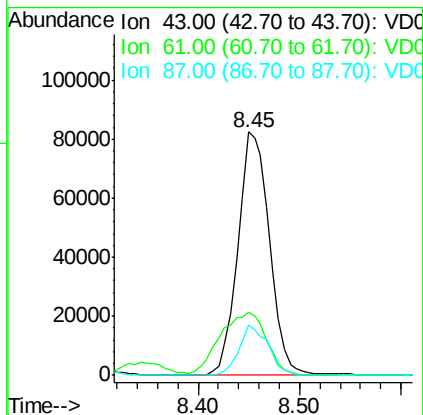
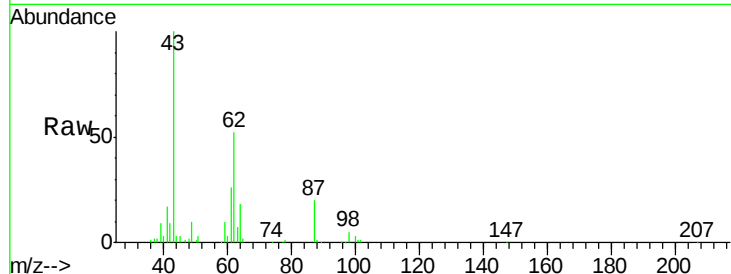
ClientSampleID :

VSTDIC100

Tot Ion:	43	Resp:	177947
Ion	Ratio	Lower	Upper
43	100		
61	37.6	30.2	45.4
87	19.1	14.2	21.4

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#44

Trichloroethene

Concen: 95.565 ug/l

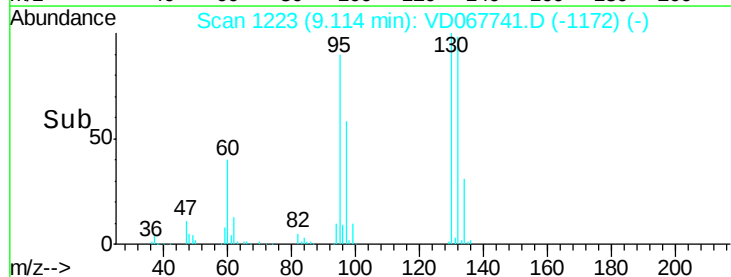
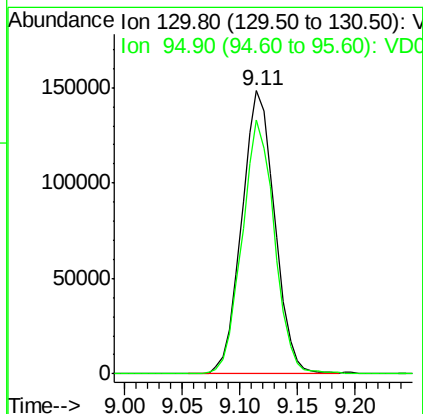
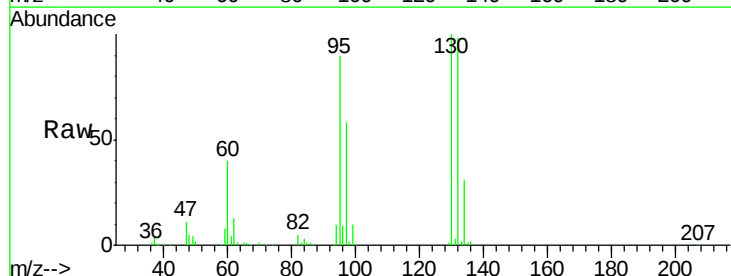
RT: 9.11 min Scan# 1223

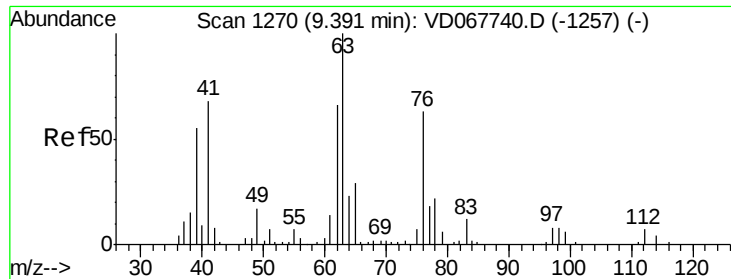
Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion:	130	Resp:	295207
Ion	Ratio	Lower	Upper
130	100		
95	89.7	0.0	184.2





#45

1,2-Dichloropropane

Concen: 95.408 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 63 Resp: 179733

Ion Ratio Lower Upper

63 100

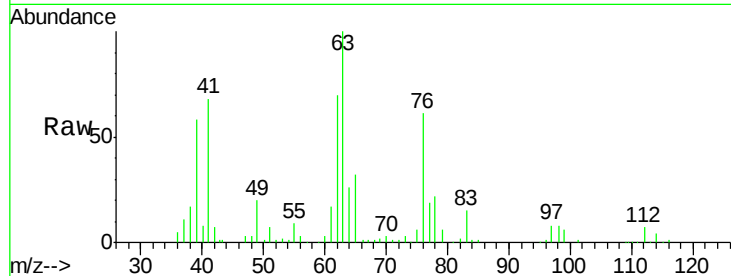
65 32.0 23.1 34.7

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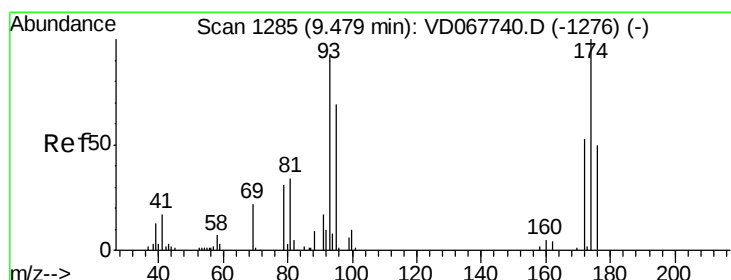
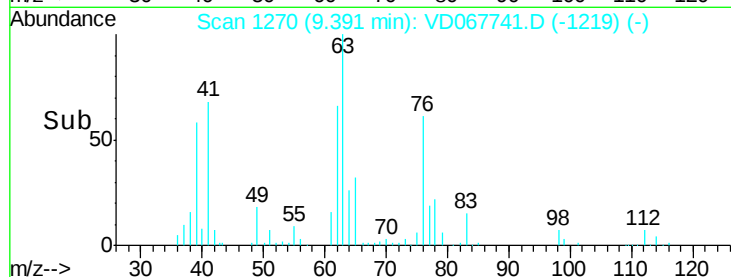
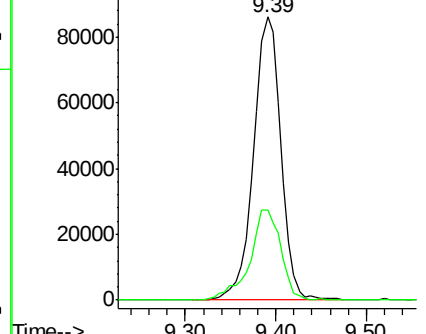
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 97.158 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

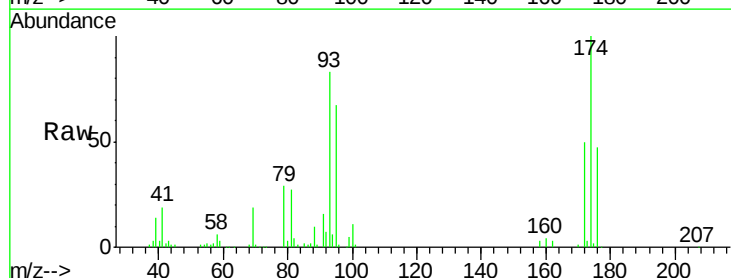
Tgt Ion: 93 Resp: 122926

Ion Ratio Lower Upper

93 100

95 82.7 63.4 95.2

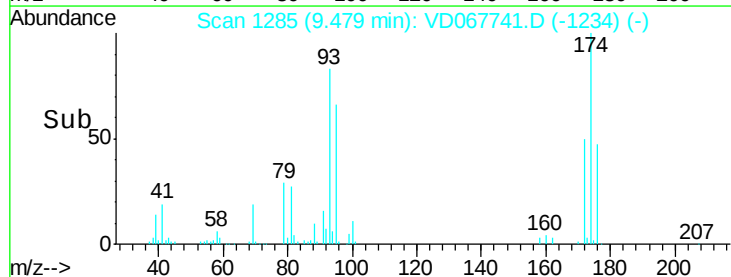
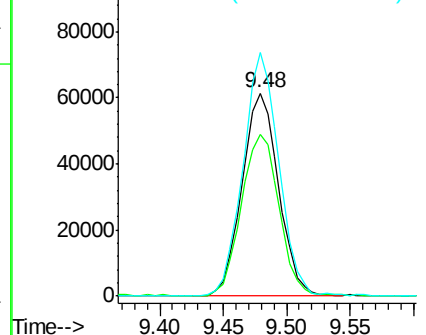
174 117.5 89.6 134.4

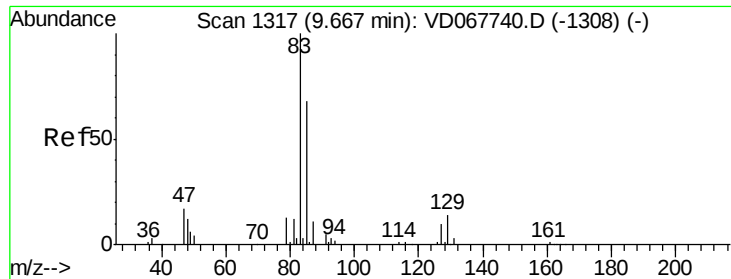


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





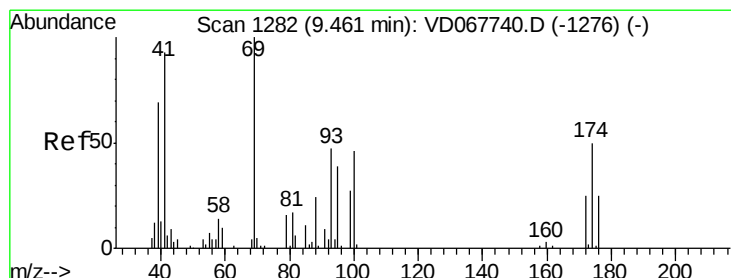
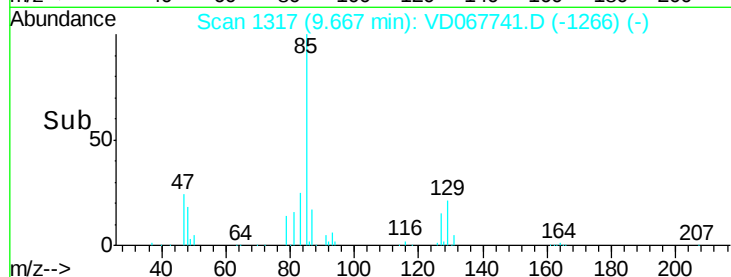
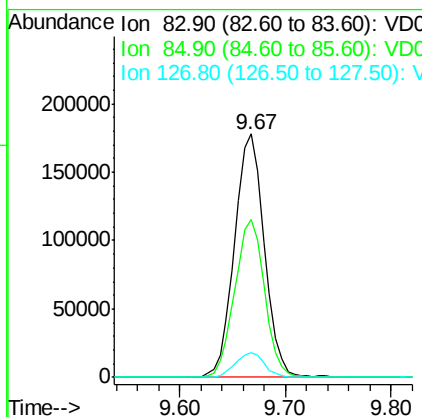
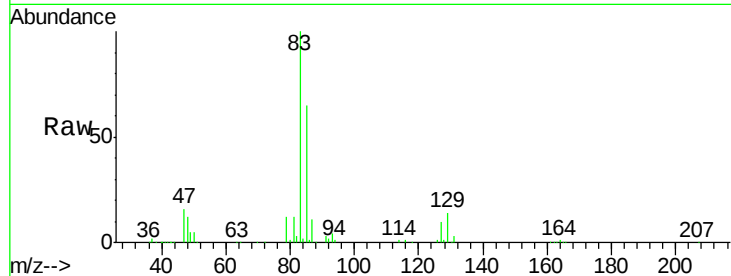
#47
Bromodichloromethane
Concen: 97.223 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
83	100	347683		
85	64.8	54.2	81.2	
127	9.9	7.6	11.4	

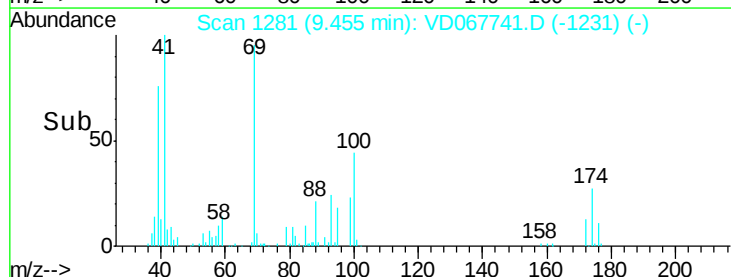
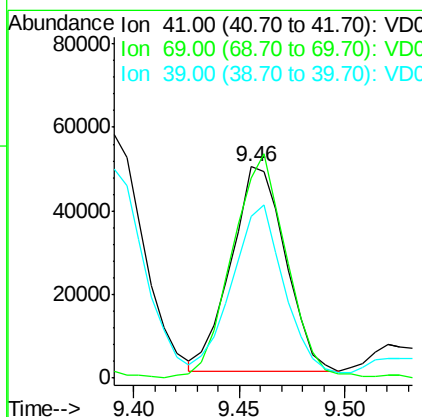
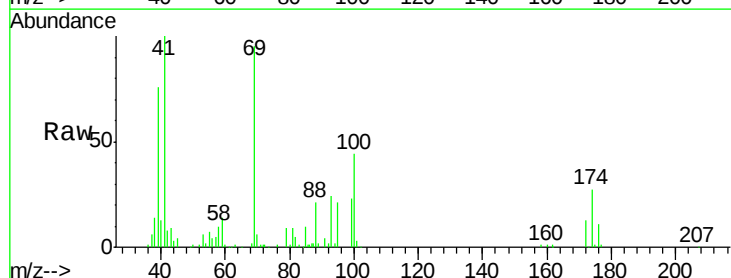
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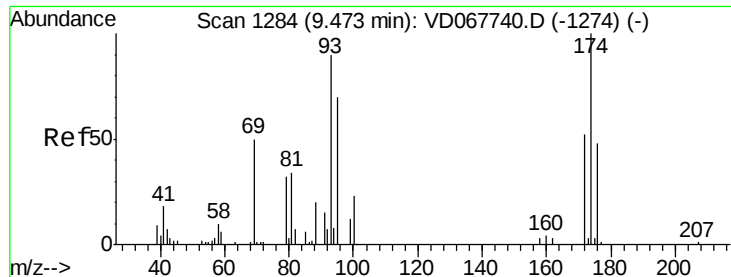
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#48
Methyl methacrylate
Concen: 98.999 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	87575		
69	109.0	87.8	131.6	
39	77.9	60.5	90.7	





#49

1,4-Dioxane

Concen: 1965.795 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 88 Resp: 26976

Ion Ratio Lower Upper

88 100

43 30.6 25.2 37.8

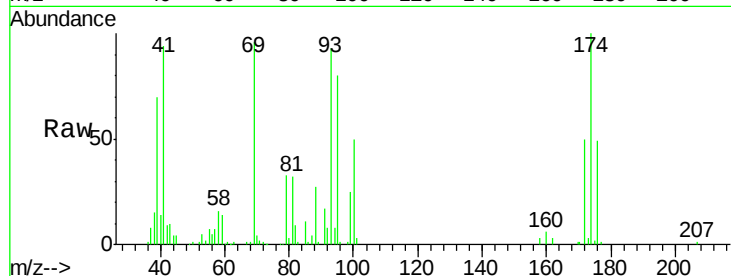
58 57.6 48.2 72.2

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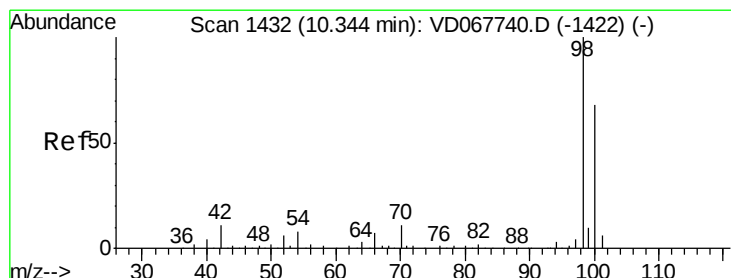
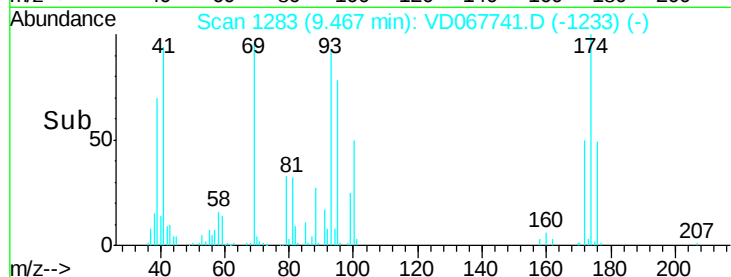
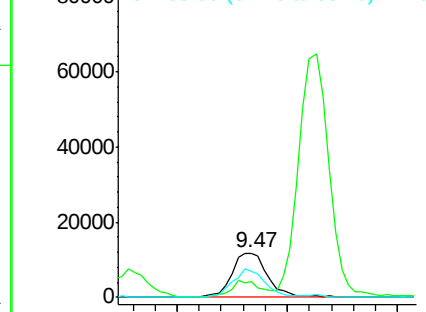
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 99.413 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067741.D

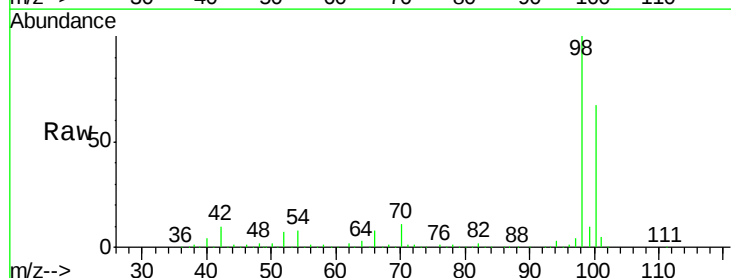
Acq: 23 Nov 2020 12:44

Tgt Ion: 98 Resp: 896436

Ion Ratio Lower Upper

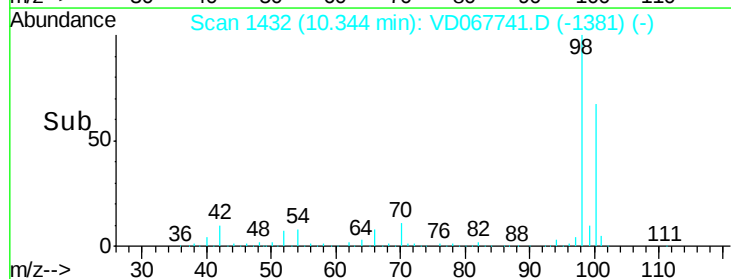
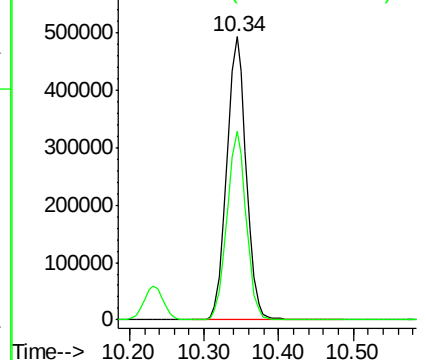
98 100

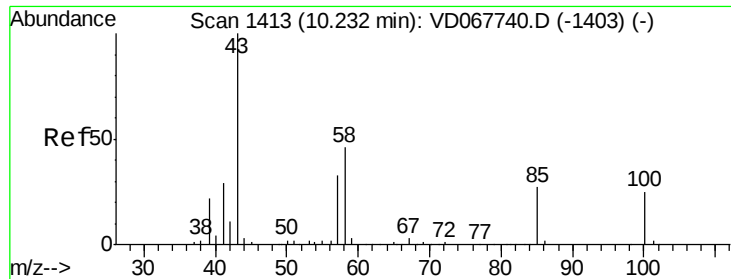
100 65.7 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 499.059 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleID :

VSTDIC100

Tot Ion: 43 Resp: 415829

Ion Ratio Lower Upper

43 100

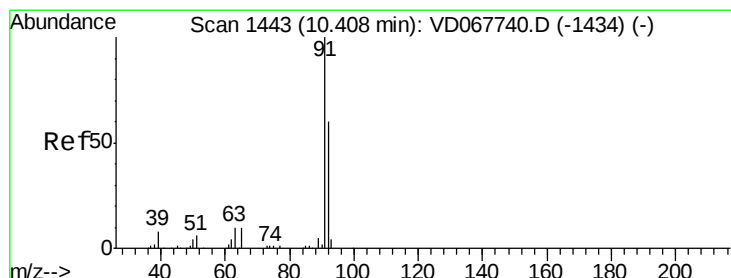
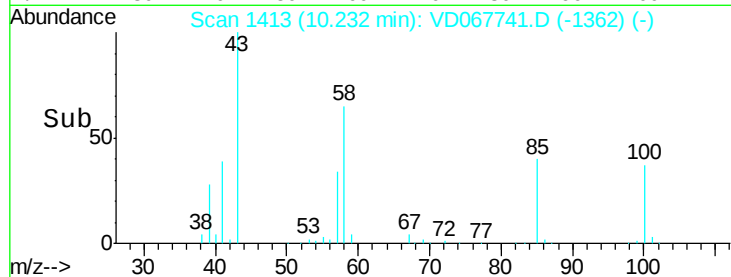
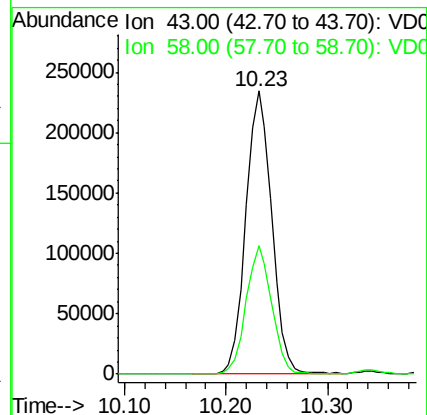
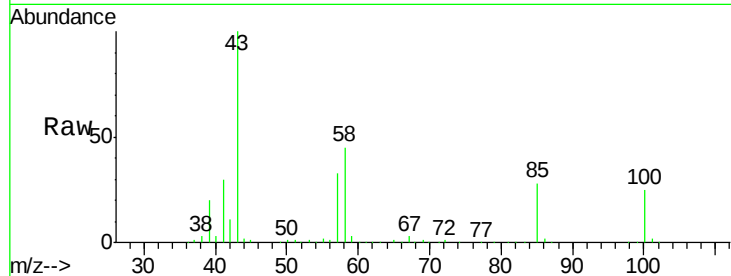
58 44.8 34.7 52.1

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#52

Toluene

Concen: 95.662 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067741.D

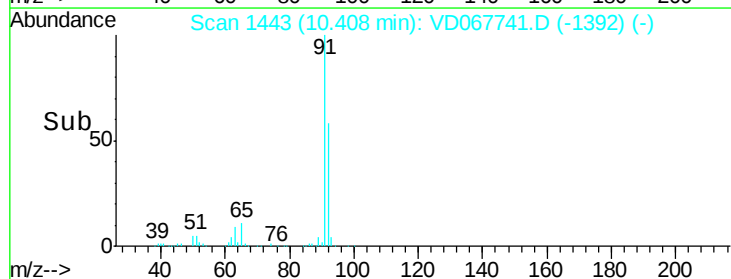
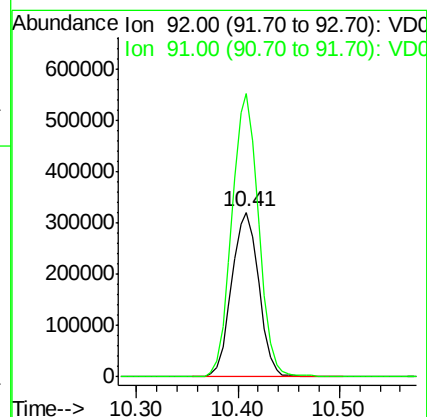
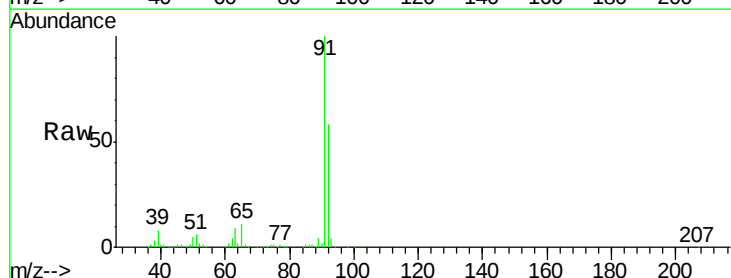
Acq: 23 Nov 2020 12:44

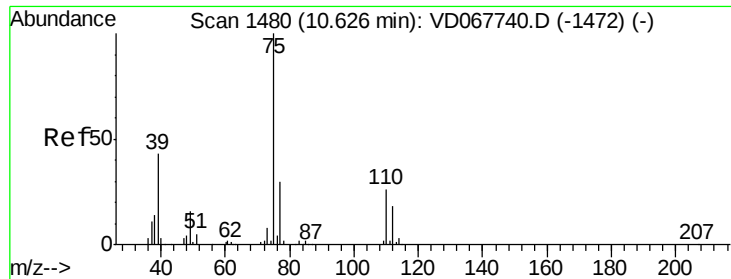
Tgt Ion: 92 Resp: 597893

Ion Ratio Lower Upper

92 100

91 168.6 135.4 203.0





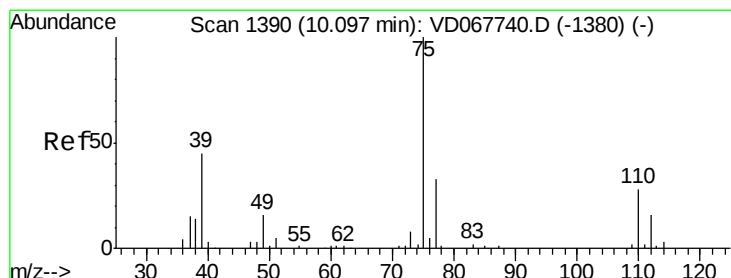
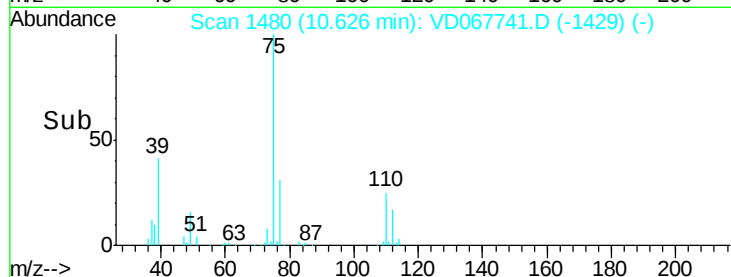
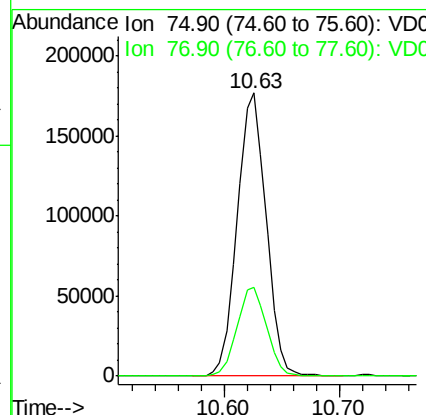
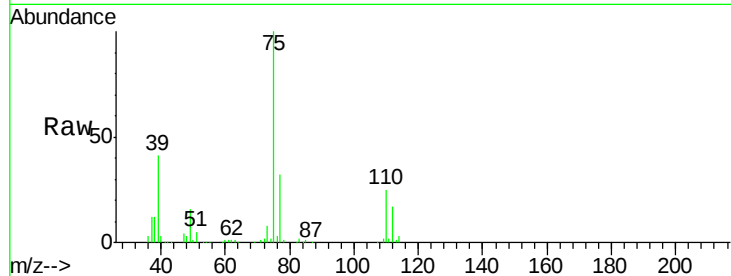
#53
t-1,3-Dichloropropene
Concen: 98.849 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.2	36.4

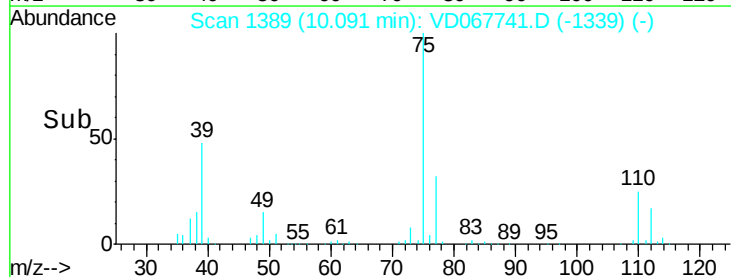
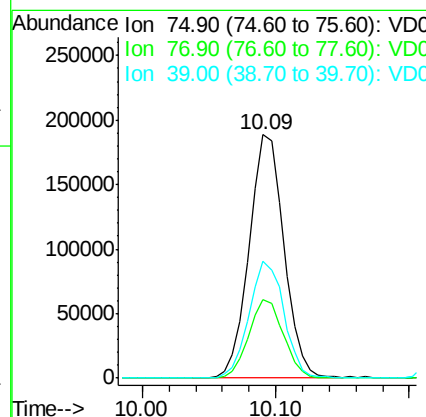
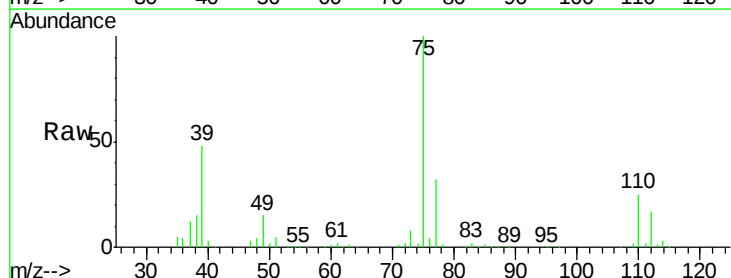
Manual Integrations
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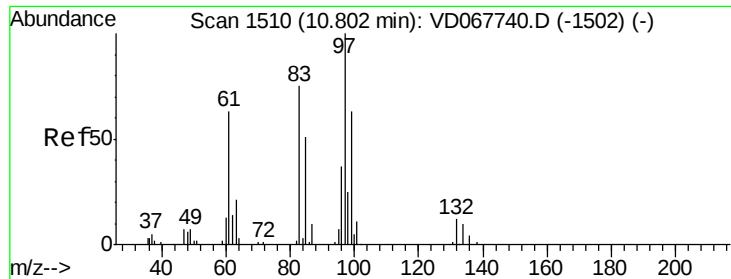
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#54
cis-1,3-Dichloropropene
Concen: 96.318 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	26.1	39.1
39	47.7	35.8	53.6





#55

1,1,2-Trichloroethane

Concen: 94.250 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 97 Resp: 161890

Ion Ratio Lower Upper

97 100

83 76.4 60.2 90.4

85 51.0 40.5 60.7

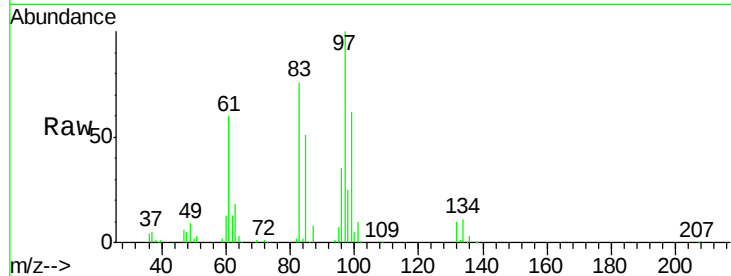
99 62.2 50.6 76.0

Manual Integrations

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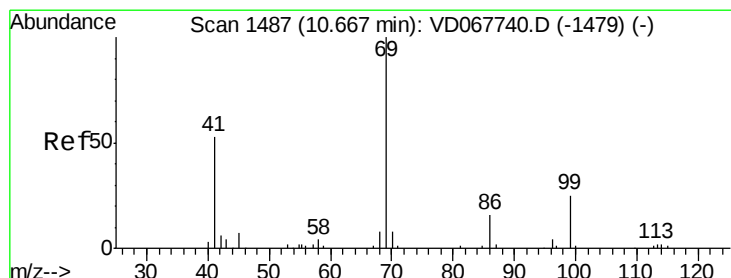
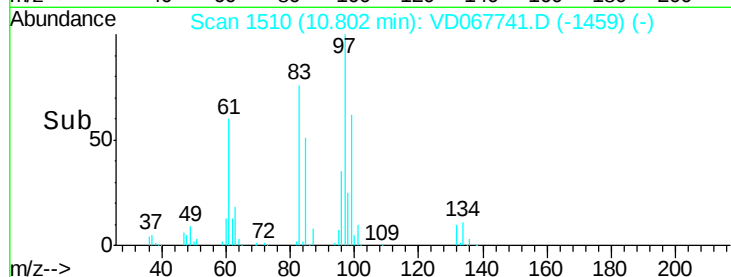
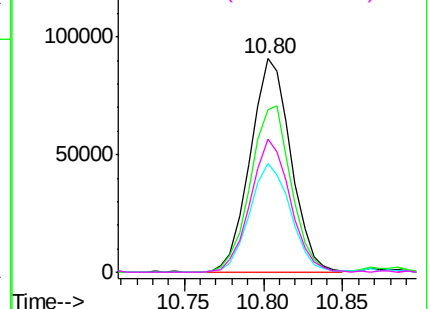


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 102.097 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

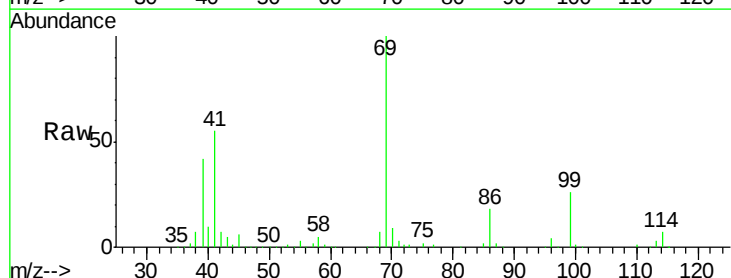
Tgt Ion: 69 Resp: 181244

Ion Ratio Lower Upper

69 100

41 54.3 43.4 65.0

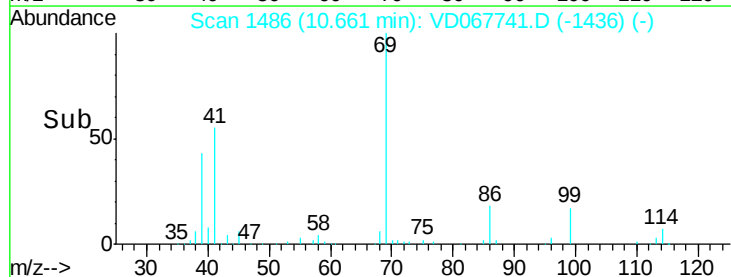
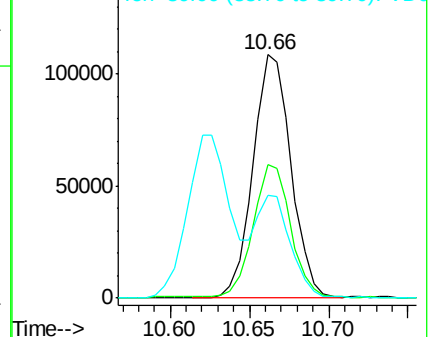
39 37.6 29.6 44.4

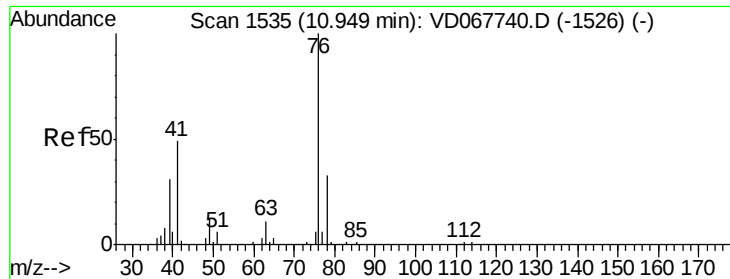


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 97.072 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 76 Resp: 261159

Ion Ratio Lower Upper

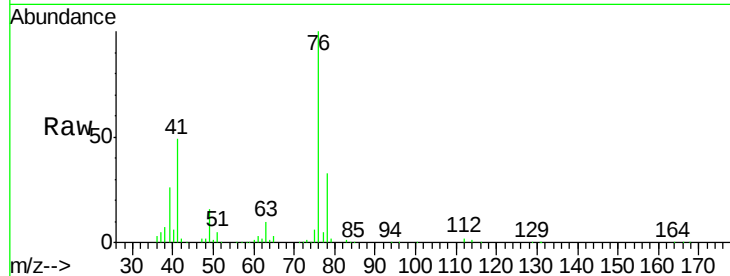
76 100

78 32.4 25.7 38.5

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

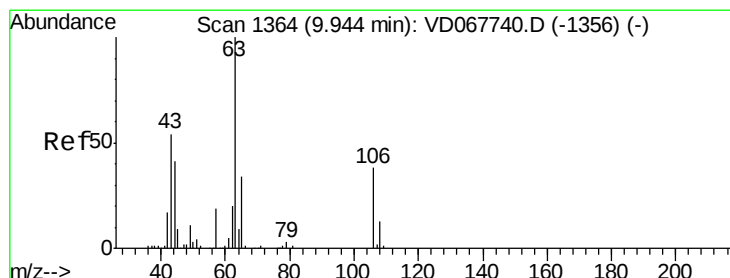
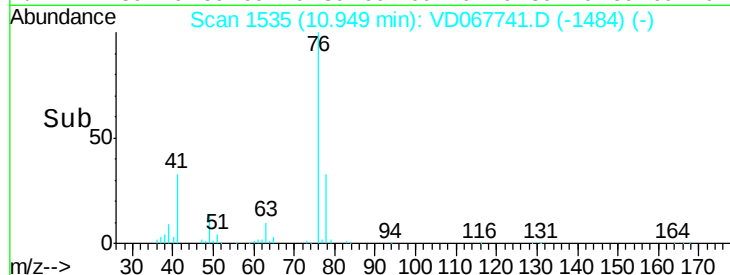
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 534.838 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067741.D

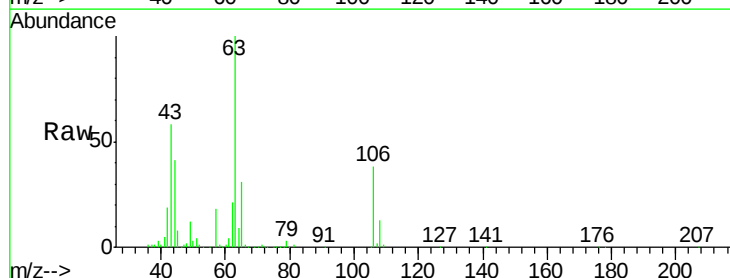
Acq: 23 Nov 2020 12:44

Tgt Ion: 63 Resp: 443401

Ion Ratio Lower Upper

63 100

106 39.6 31.0 46.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.94

300000

250000

200000

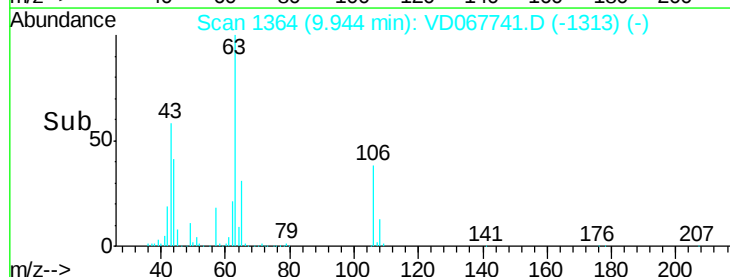
150000

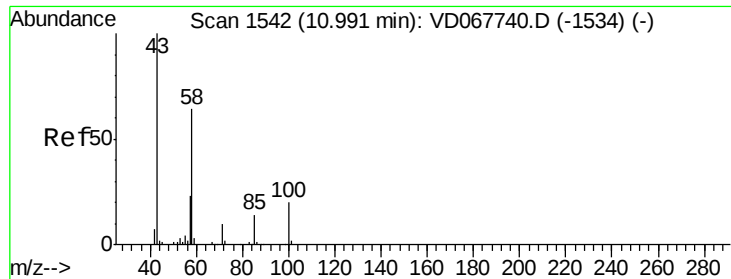
100000

50000

0

Time-->





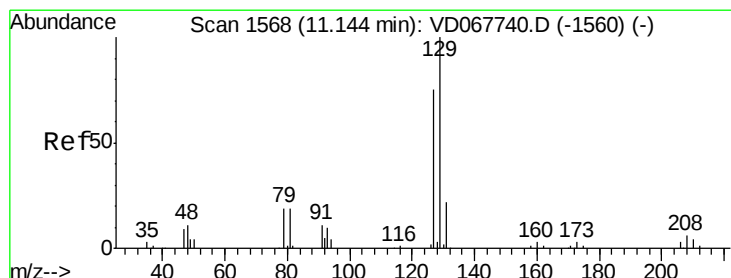
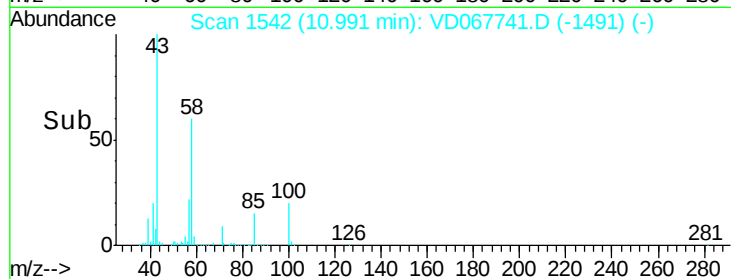
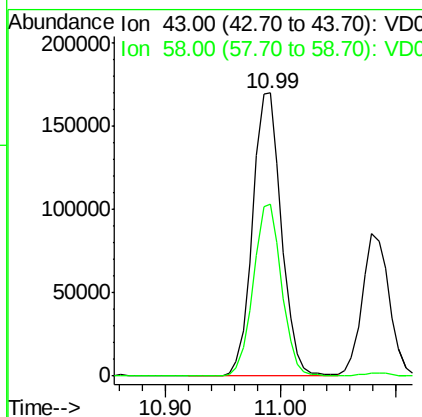
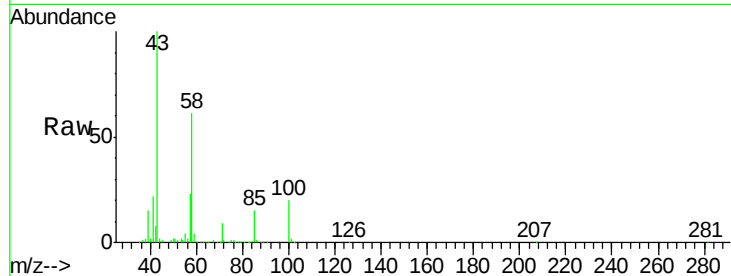
#59
2-Hexanone
Concen: 499.480 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
43	100		
58	59.5	30.5	91.5

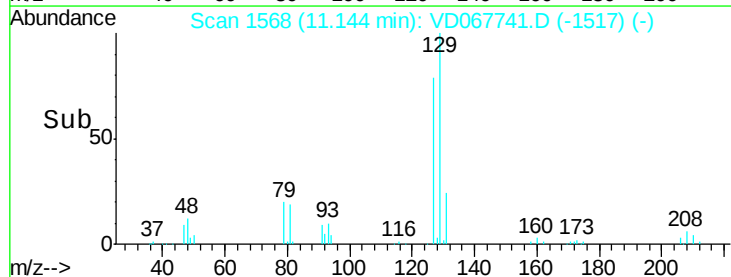
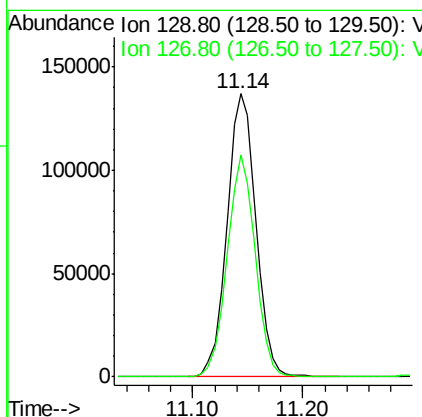
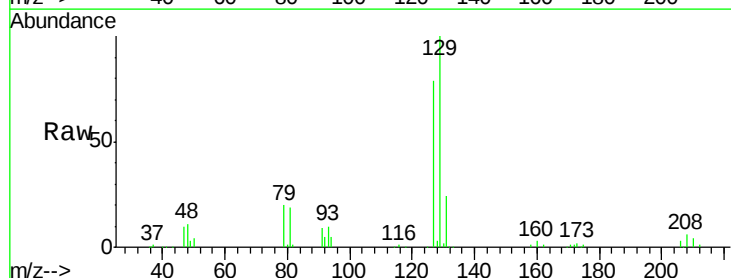
Manual Integrations
APPROVED

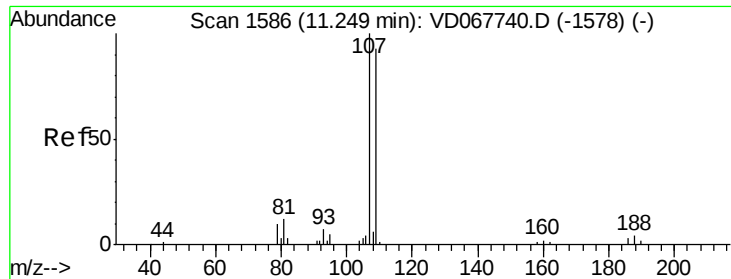
MMDadoda
11/24/2020 2:56:33 PM



#60
Dibromochloromethane
Concen: 95.960 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.7





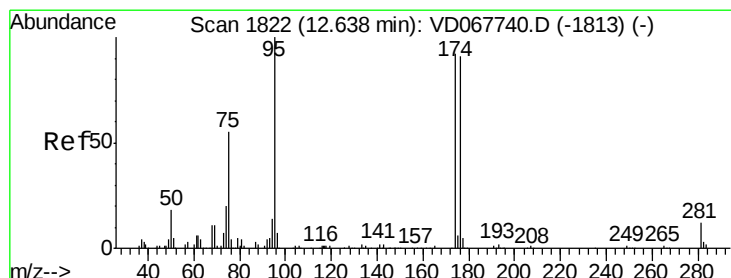
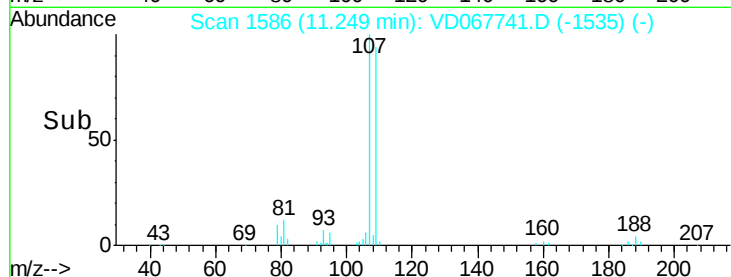
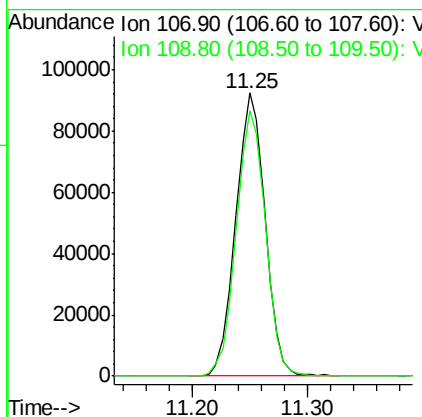
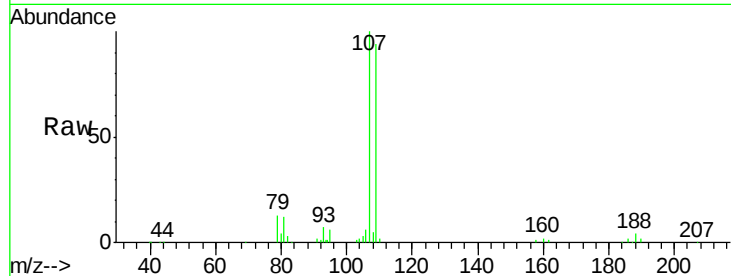
#61
1,2-Dibromoethane
Concen: 95.761 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.1	112.7

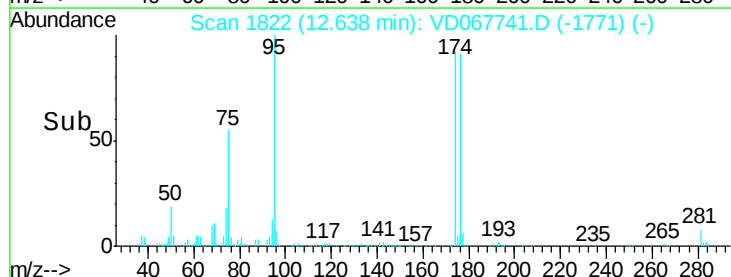
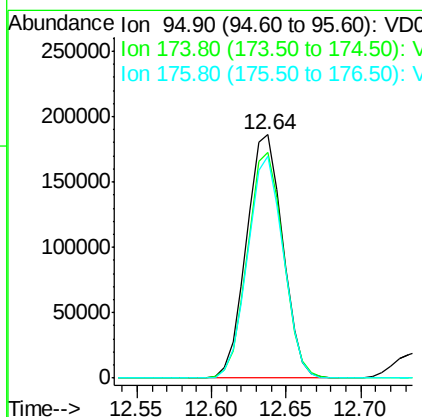
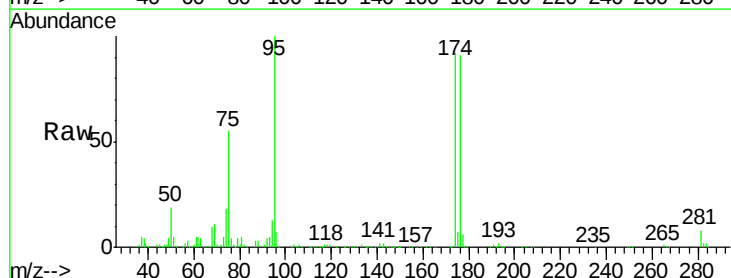
Manual Integrations
APPROVED

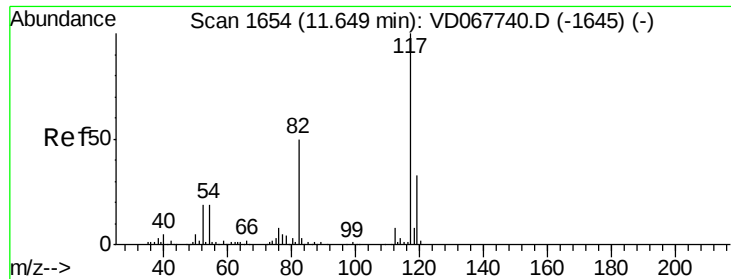
MMDadoda
11/24/2020 2:56:33 PM



#62
4-Bromofluorobenzene
Concen: 100.784 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	182.4
176	89.0	0.0	178.2





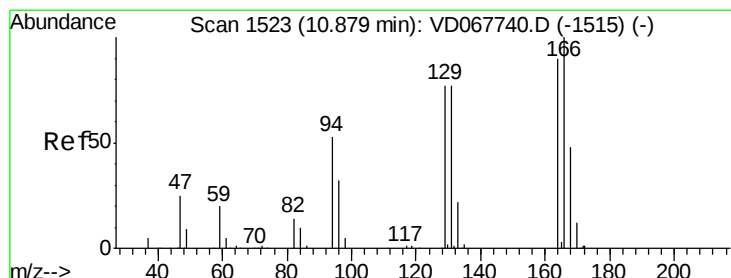
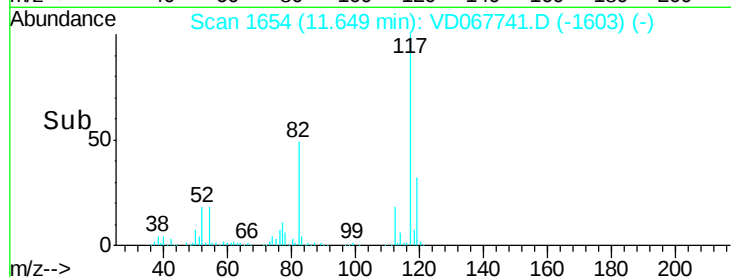
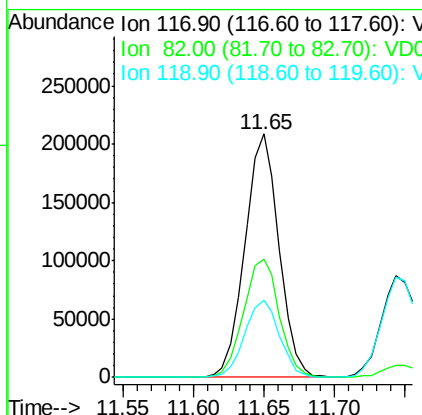
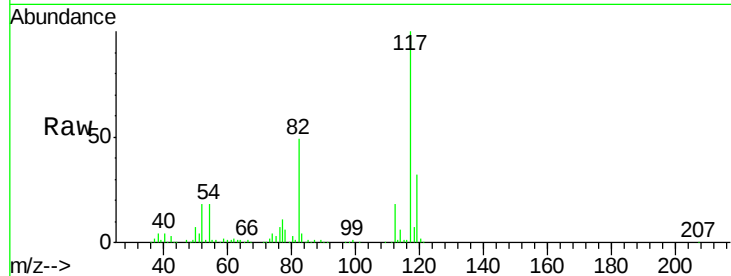
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
117	100		
82	48.6	40.2	60.4
119	31.7	26.5	39.7

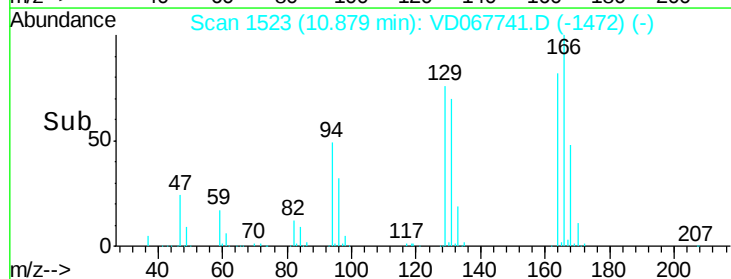
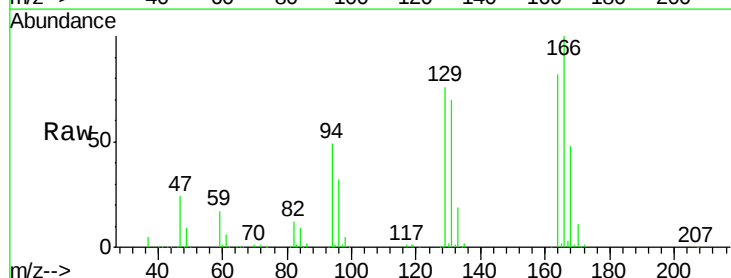
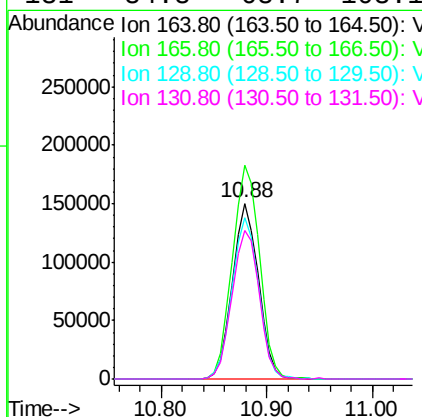
Manual Integrations
APPROVED

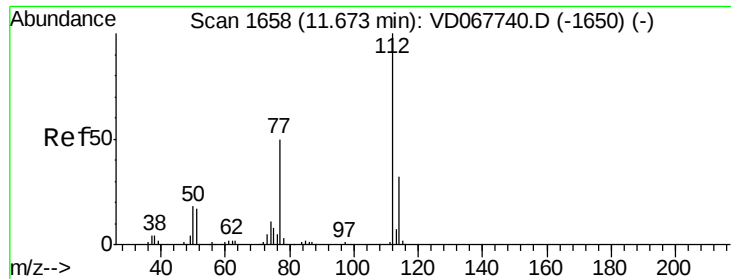
MMDadoda
11/24/2020 2:56:33 PM



#64
Tetrachloroethene
Concen: 92.282 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.7	89.2	133.8
129	92.1	68.4	102.6
131	84.8	68.7	103.1





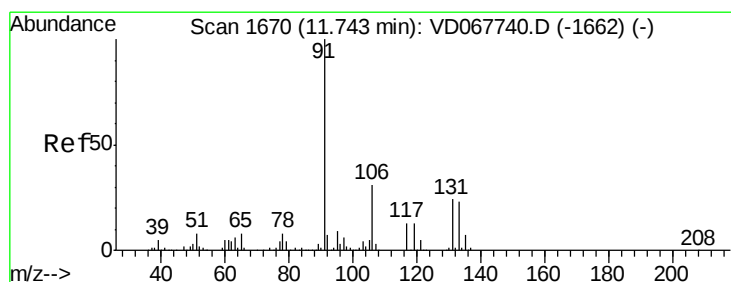
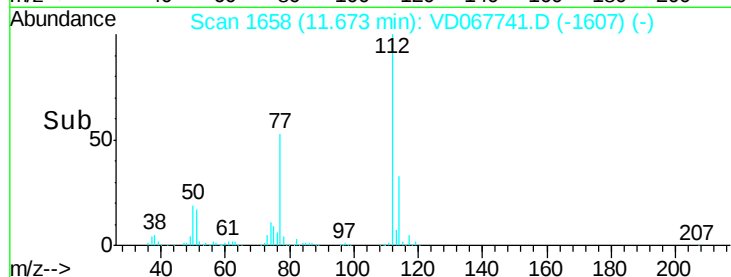
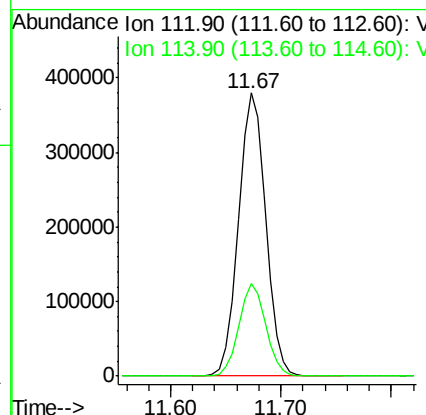
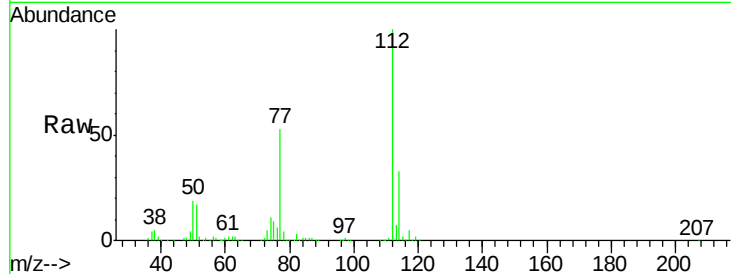
#65
Chlorobenzene
Concen: 94.279 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	25.8	38.8

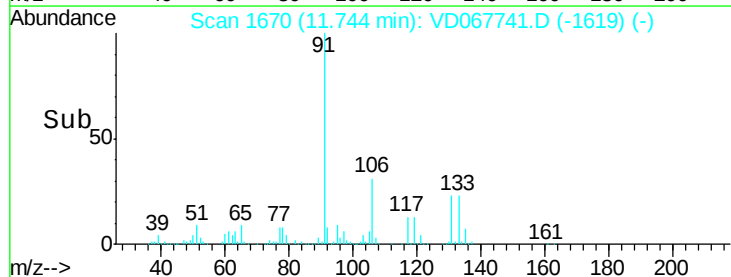
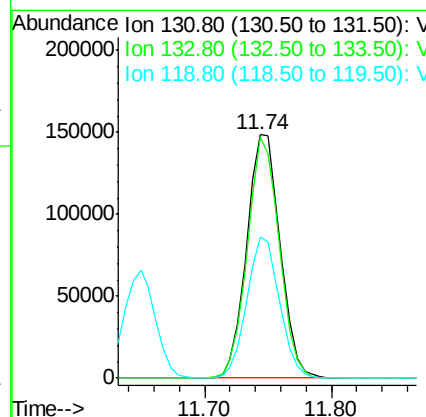
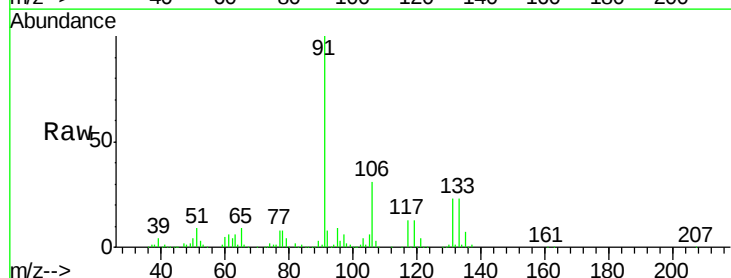
Manual Integrations
APPROVED

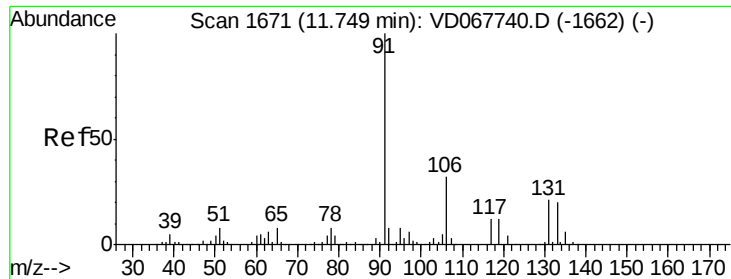
MMDadoda
11/24/2020 2:56:33 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 97.363 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.4	49.0	147.0
119	56.7	28.8	86.5





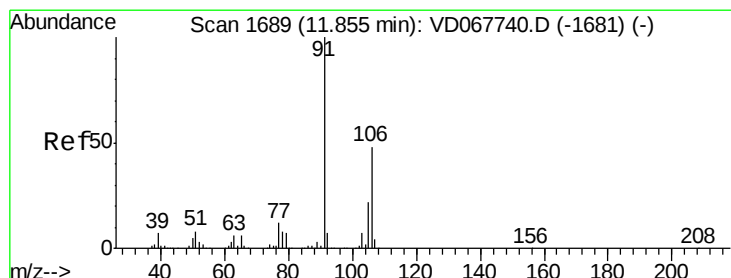
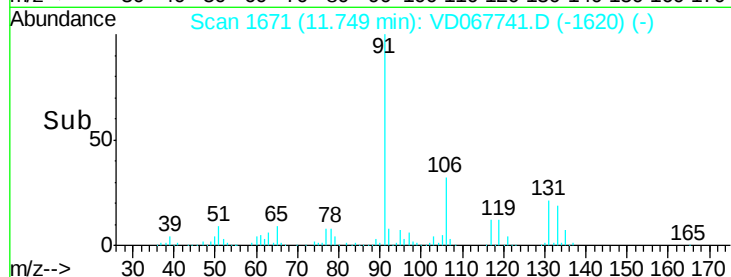
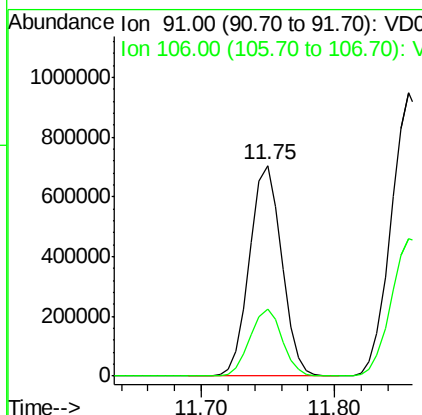
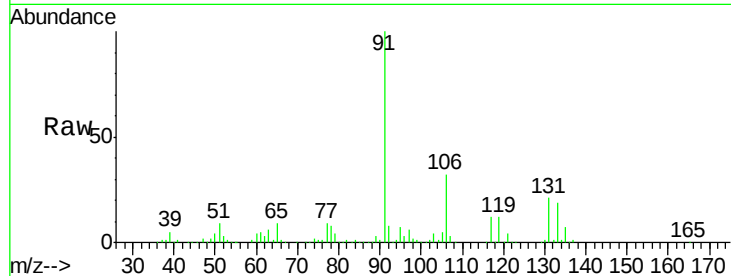
#67
Ethyl Benzene
Concen: 97.504 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion: 91 Resp: 1170383
Ion Ratio Lower Upper
91 100
106 31.8 25.7 38.5

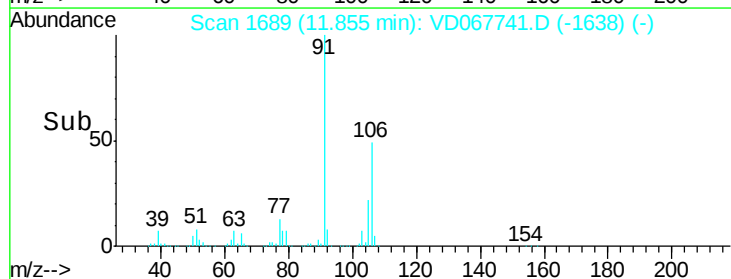
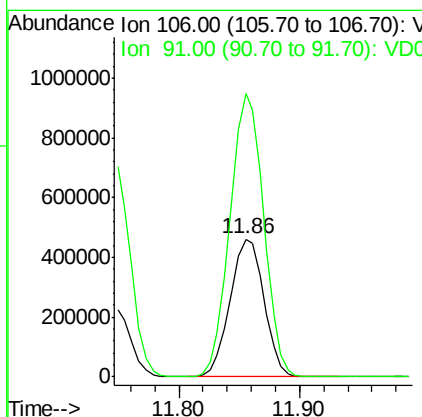
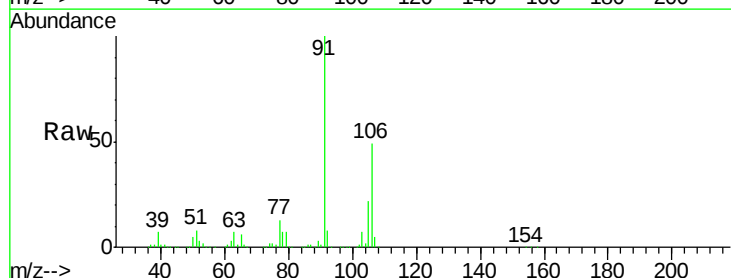
Manual Integrations
APPROVED

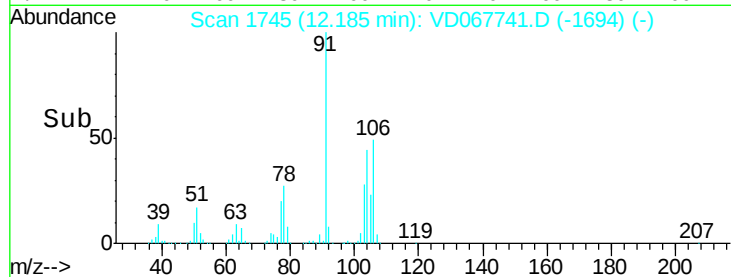
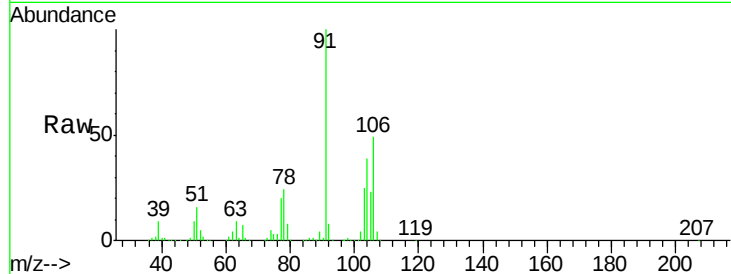
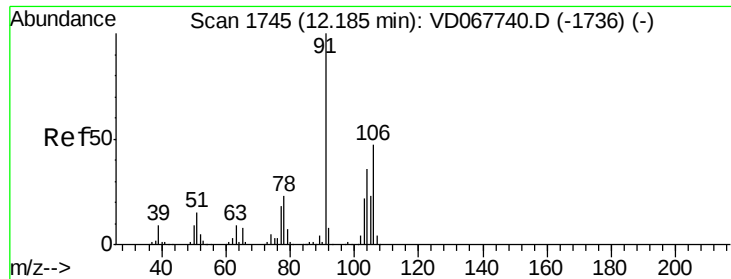
MMDadoda
11/24/2020 2:56:33 PM



#68
m/p-Xylenes
Concen: 193.119 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion: 106 Resp: 906350
Ion Ratio Lower Upper
106 100
91 203.6 163.0 244.6





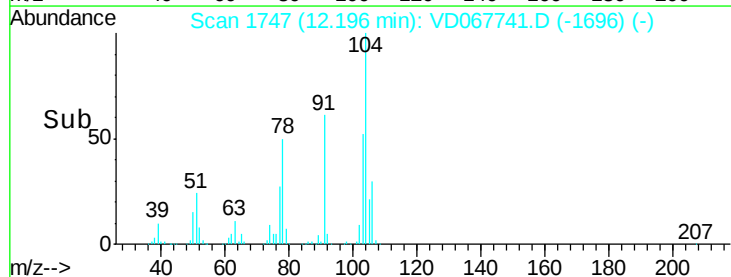
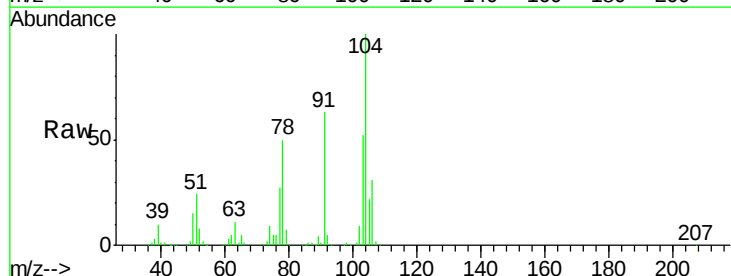
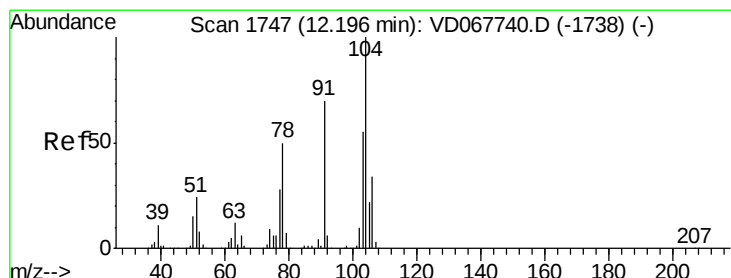
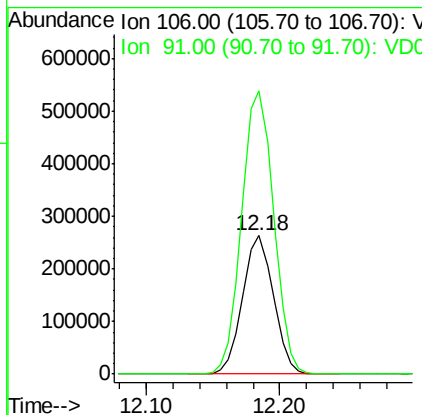
#69
o-Xylene
Concen: 98.543 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tot Ion:106 Resp: 420536
Ion Ratio Lower Upper
106 100
91 212.3 106.2 318.6

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

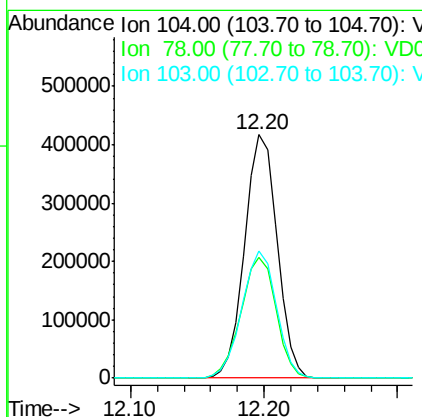
Manual Integrations
APPROVED

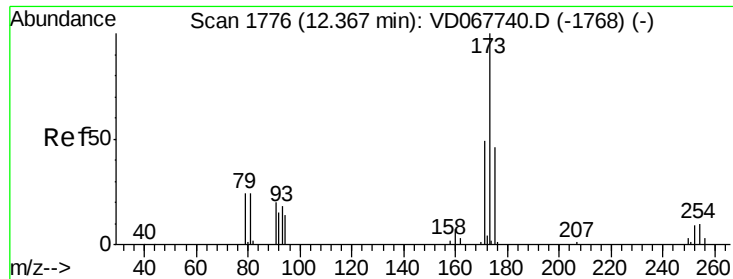
MMDadoda
11/24/2020 2:56:33 PM



#70
Styrene
Concen: 95.207 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion:104 Resp: 701885
Ion Ratio Lower Upper
104 100
78 53.8 41.9 62.9
103 55.5 44.1 66.1





#71

Bromoform

Concen: 93.919 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:173 Resp: 143248

Ion Ratio Lower Upper

173 100

175 48.3 23.9 71.7

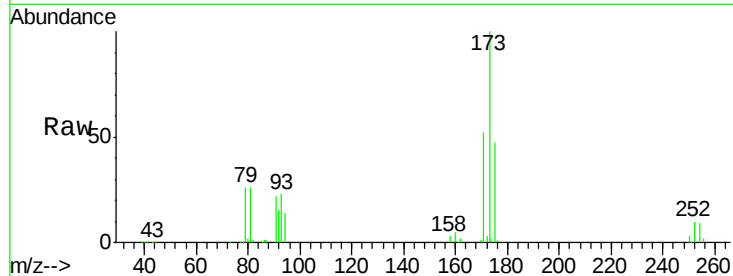
254 0.0 0.0 0.0

Manual Integrations

APPROVED

MMDadoda

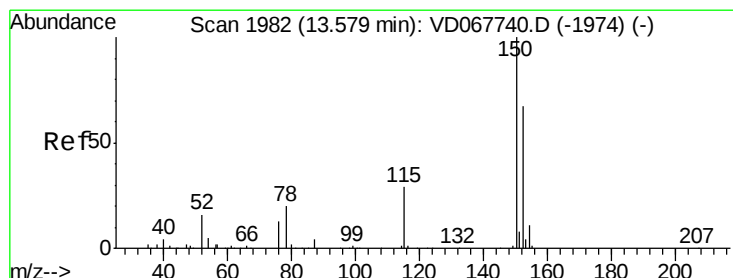
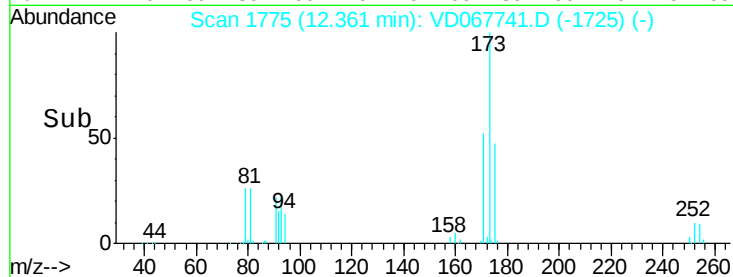
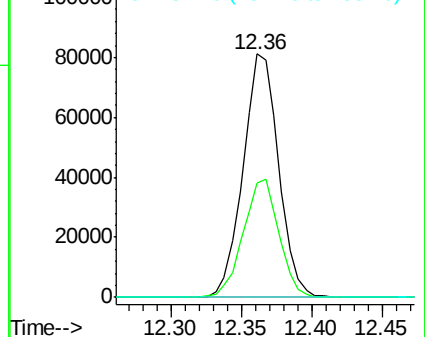
11/24/2020 2:56:33 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

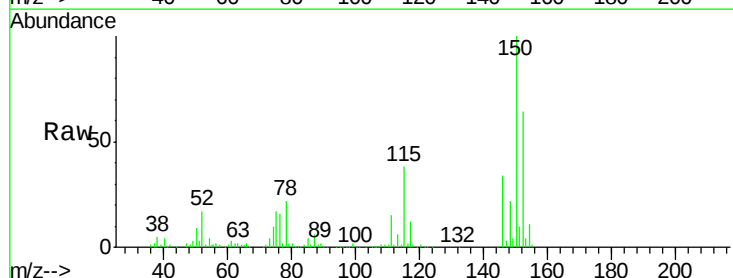
Tgt Ion:152 Resp: 180523

Ion Ratio Lower Upper

152 100

115 59.4 29.4 88.3

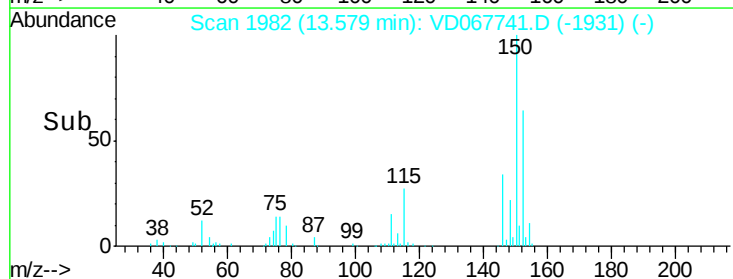
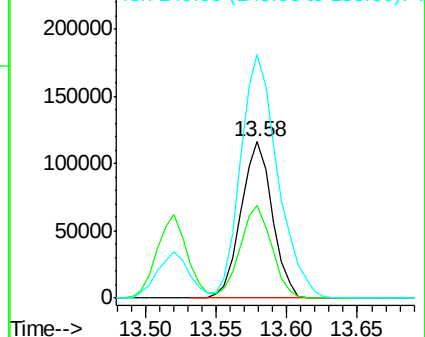
150 184.4 0.0 340.6

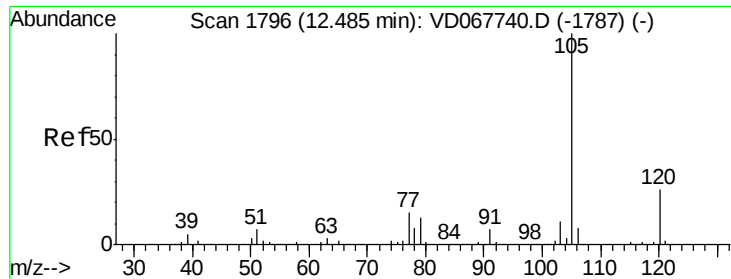


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 96.764 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:105 Resp: 1171843

Ion Ratio Lower Upper

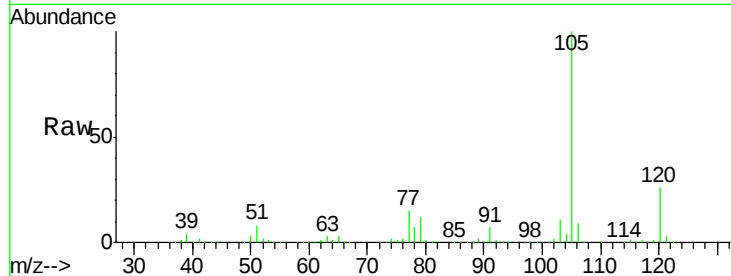
105 100

120 26.8 13.2 39.6

Manual Integrations
APPROVED

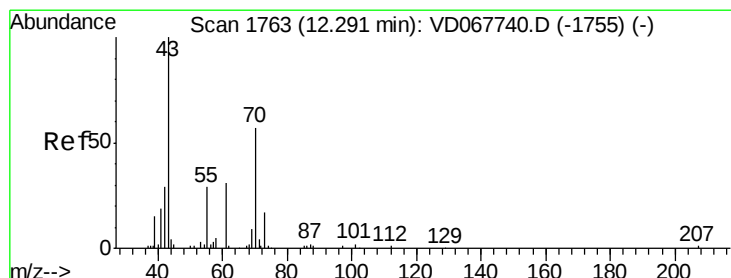
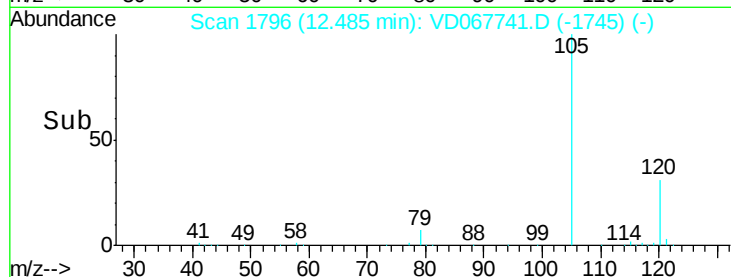
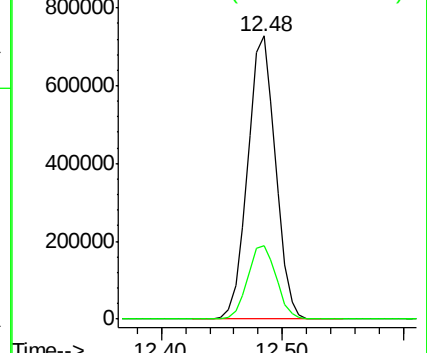
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 100.632 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion: 43 Resp: 157879

Ion Ratio Lower Upper

43 100

70 54.1 44.6 66.8

55 27.9 24.2 36.2

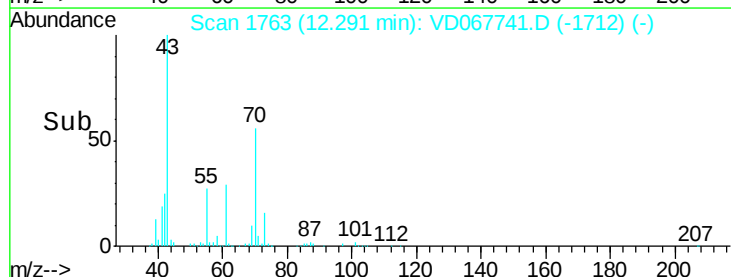
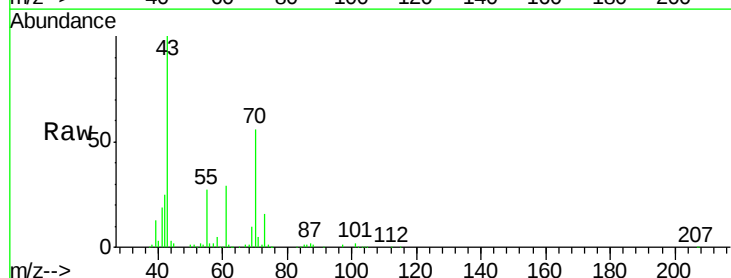
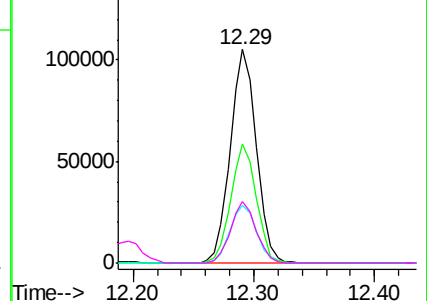
61 28.2 22.0 33.0

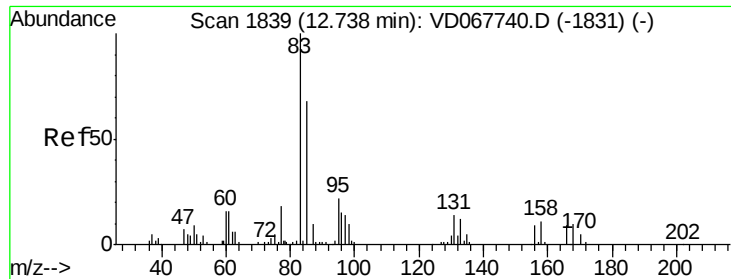
Abundance Ion 43.00 (42.70 to 43.70): V

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: 93.025 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

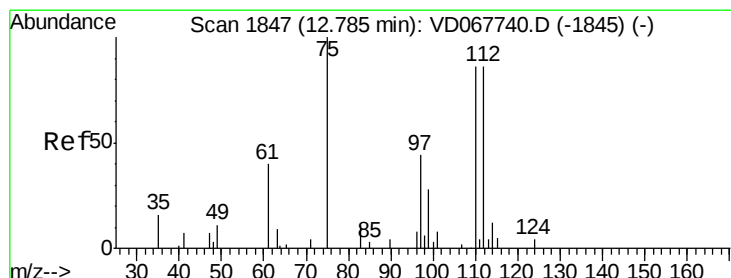
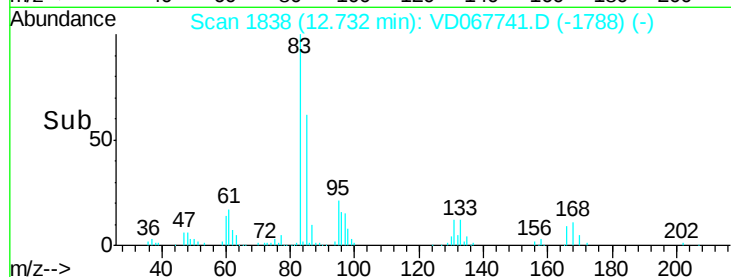
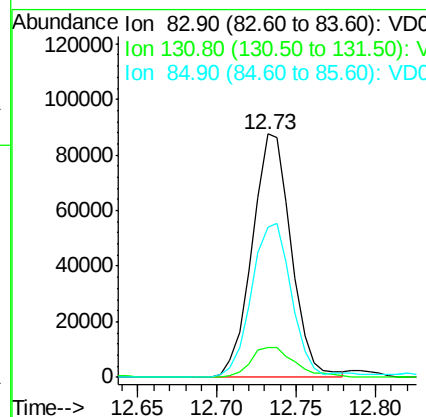
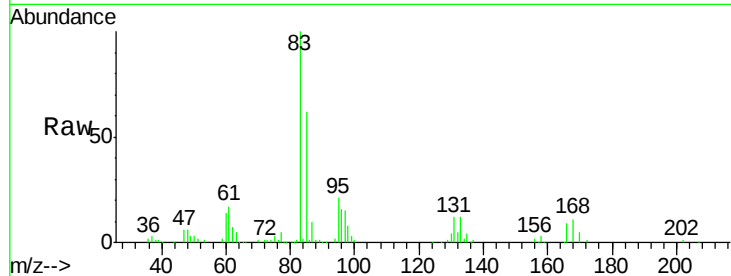
ClientSampleId :

VSTDIC100

Tot Ion:	83	Resp:	150134
Ion Ratio	Lower	Upper	
83	100		
131	14.3	8.1	24.1
85	64.6	33.9	101.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 82.419 ug/l m

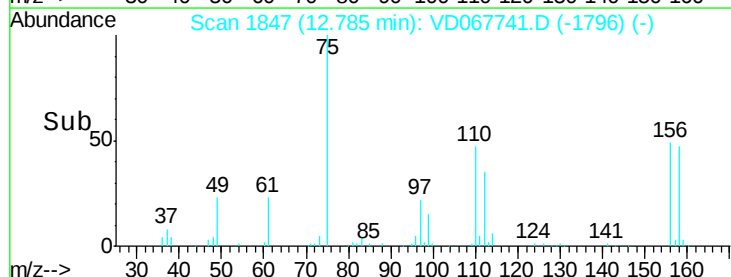
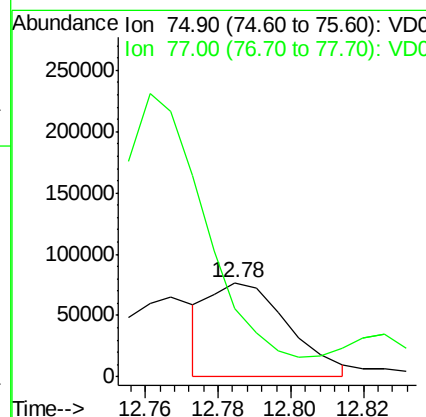
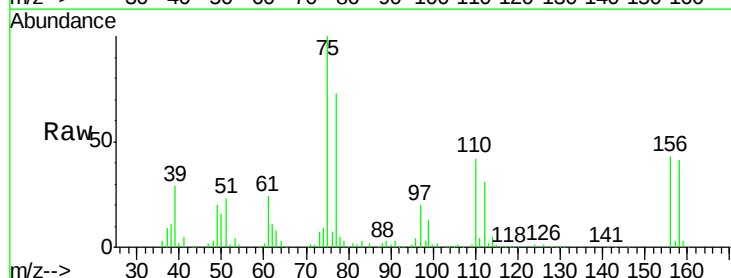
RT: 12.78 min Scan# 1847

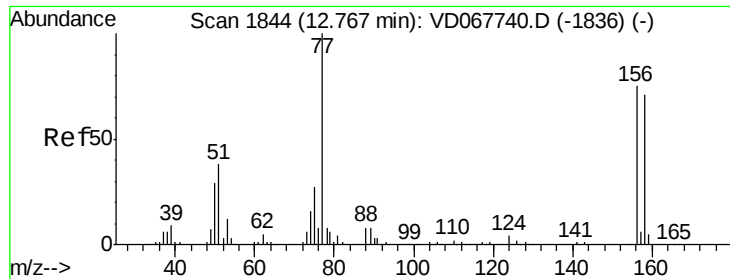
Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion:	75	Resp:	115955
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 95.935 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

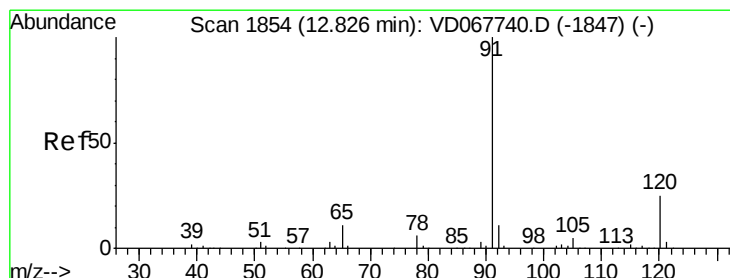
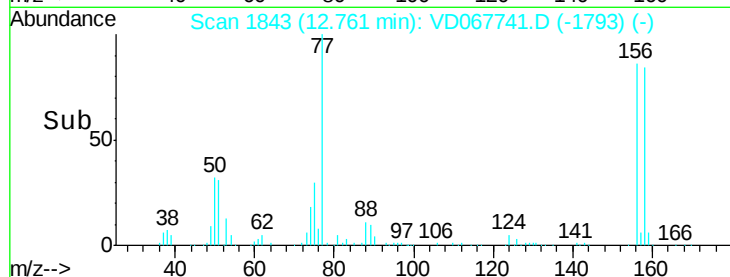
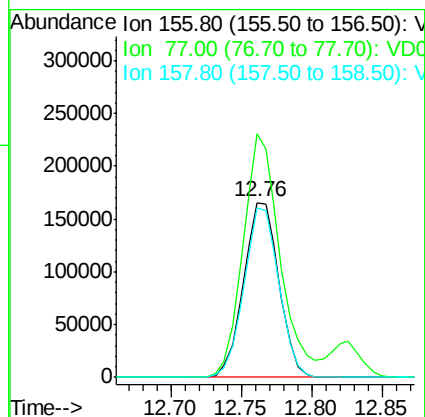
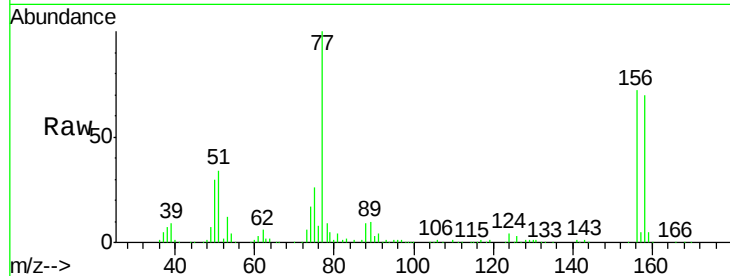
ClientSampleId :

VSTDIC100

Tot Ion:	156	Resp:	289275
Ion Ratio	Lower	Upper	
156	100		
77	145.5	73.5	220.3
158	96.2	48.1	144.4

Manual Integrations
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#78

n-propylbenzene

Concen: 96.851 ug/l

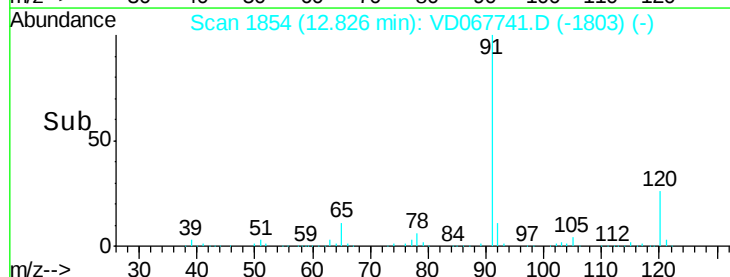
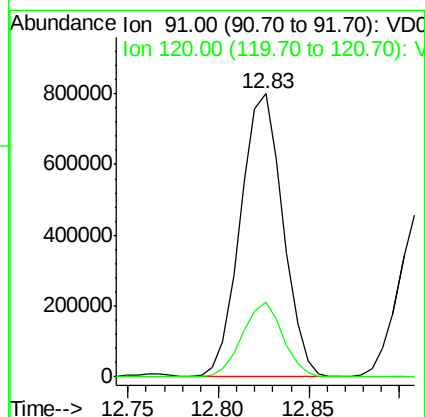
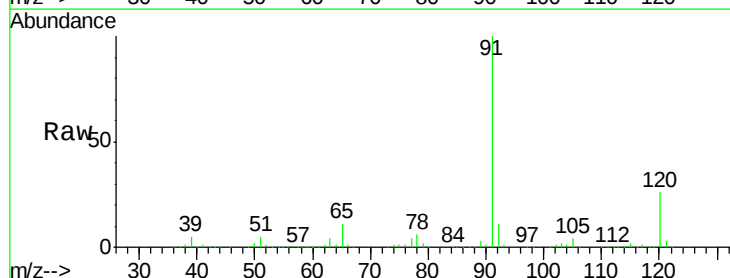
RT: 12.83 min Scan# 1854

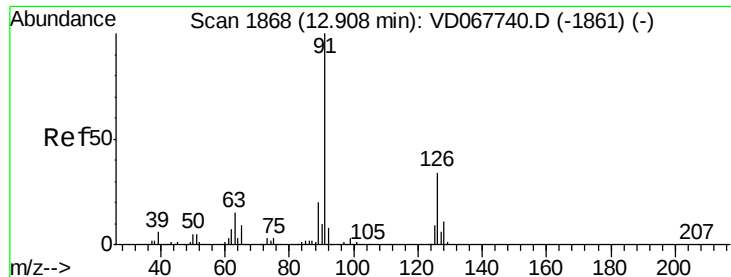
Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion:	91	Resp:	1300828
Ion Ratio	Lower	Upper	
91	100		
120	25.2	12.4	37.4





#79

2-Chlorotoluene

Concen: 96.452 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion: 91 Resp: 762162

Ion Ratio Lower Upper

91 100

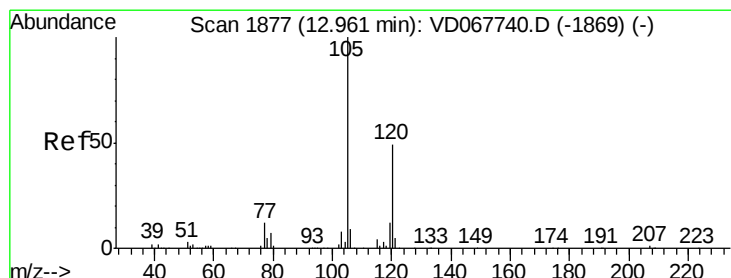
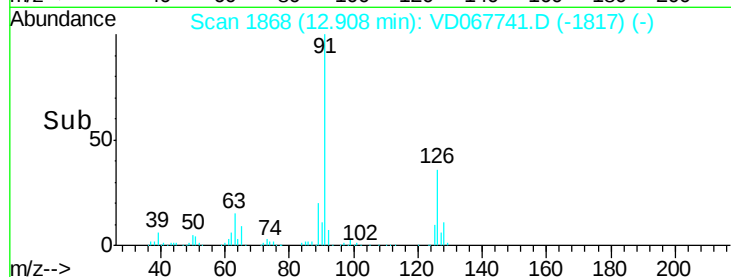
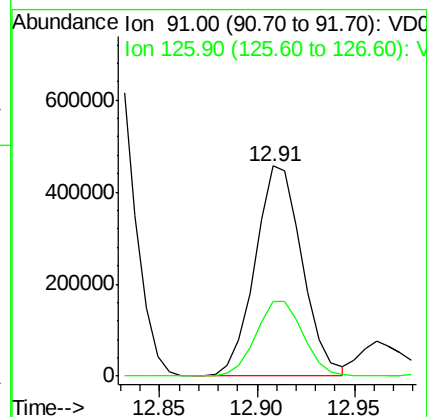
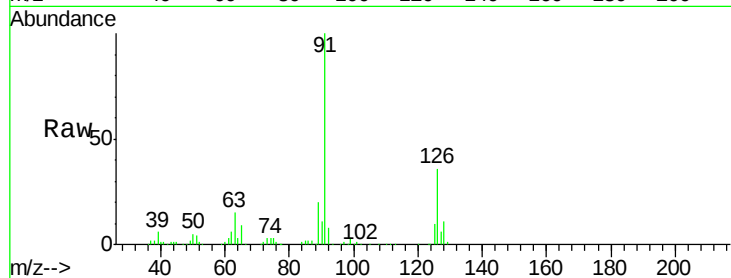
126 36.2 17.9 53.7

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 95.721 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067741.D

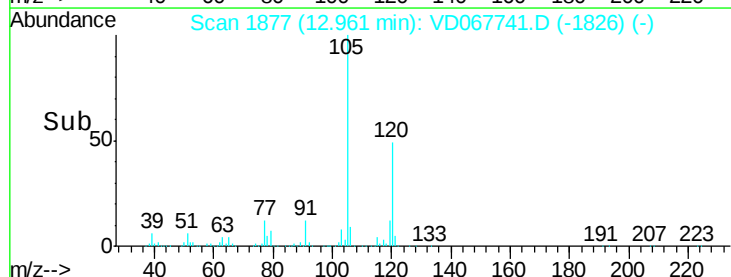
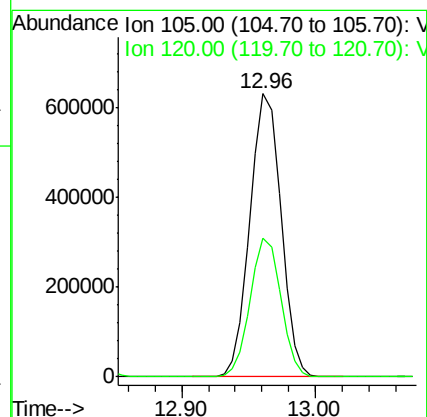
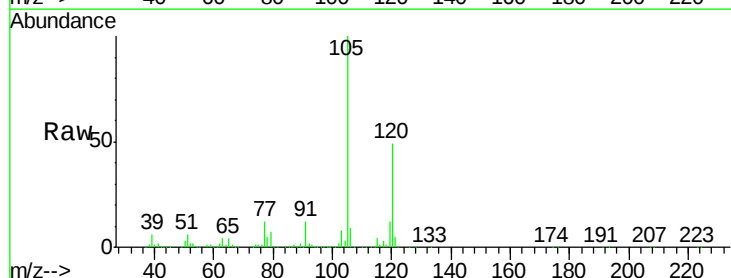
Acq: 23 Nov 2020 12:44

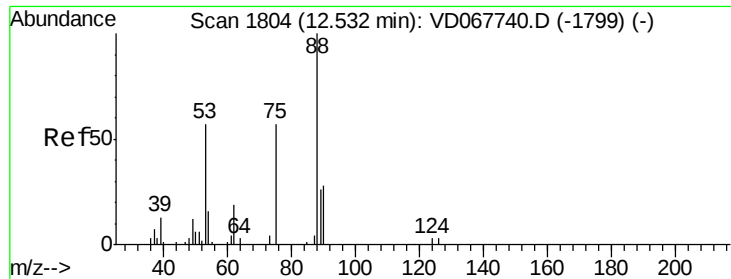
Tgt Ion: 105 Resp: 1017553

Ion Ratio Lower Upper

105 100

120 48.2 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 96.240 ug/l

RT: 12.53 min Scan# 1803

Delta R.T. -0.01 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

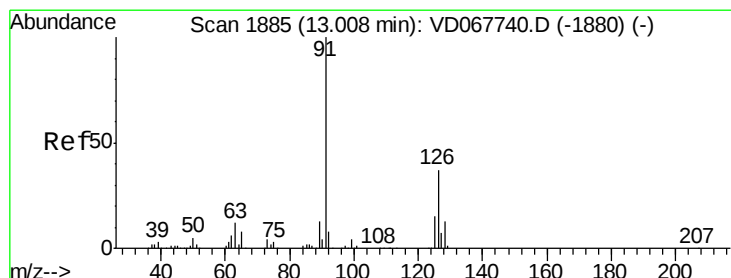
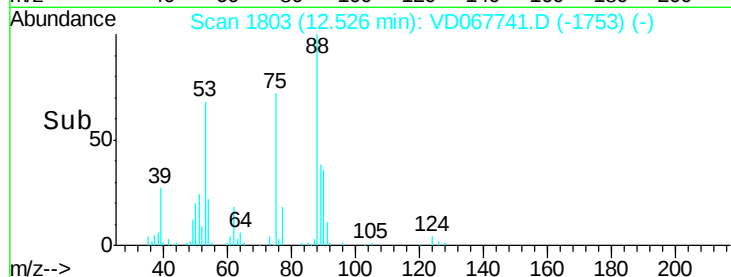
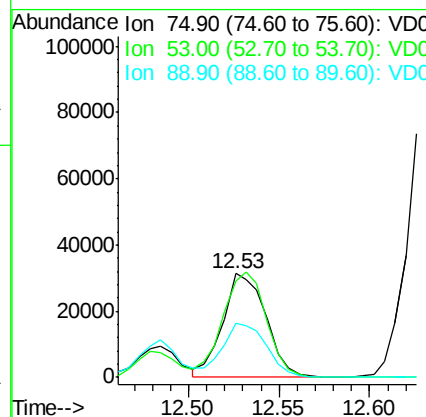
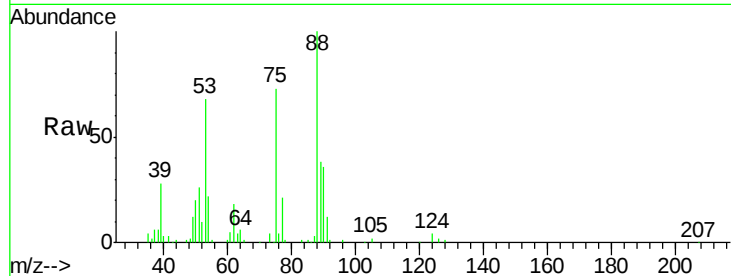
ClientSampleId :

VSTDIC100

Tot Ion:	75	Resp:	51848
Ion	Ratio	Lower	Upper
75	100		
53	101.6	76.0	114.0
89	54.2	40.2	60.4

Manual Integrations
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#82

4-Chlorotoluene

Concen: 95.086 ug/l

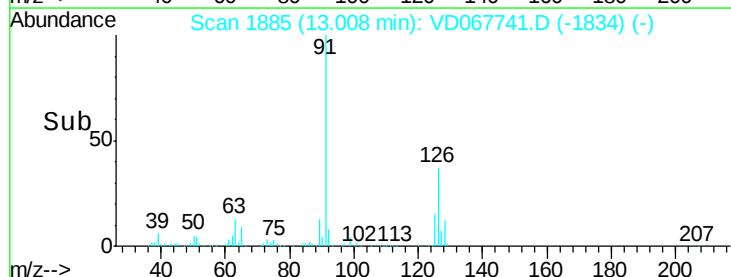
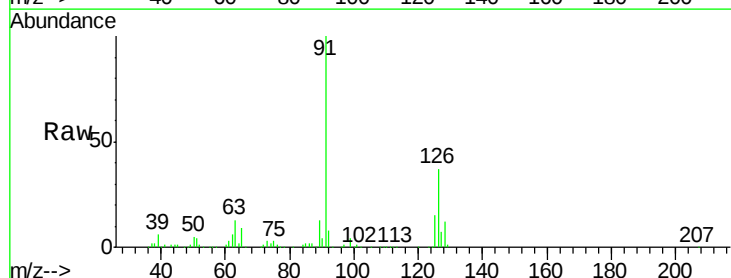
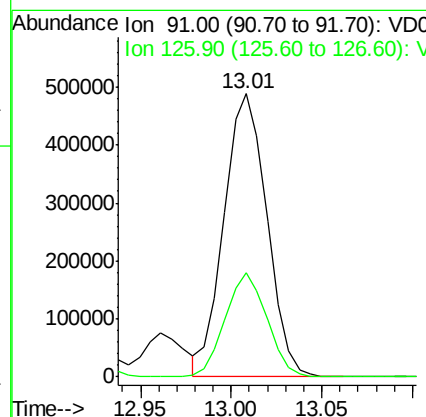
RT: 13.01 min Scan# 1885

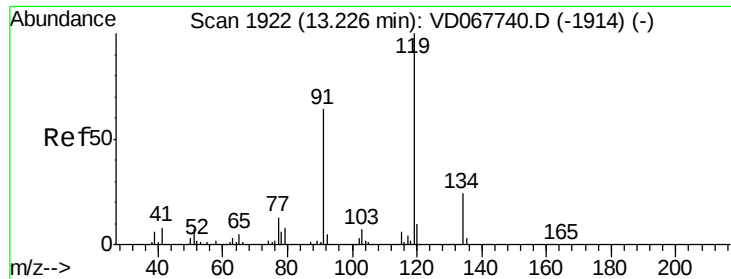
Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Tgt Ion:	91	Resp:	801825
Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.7	53.1





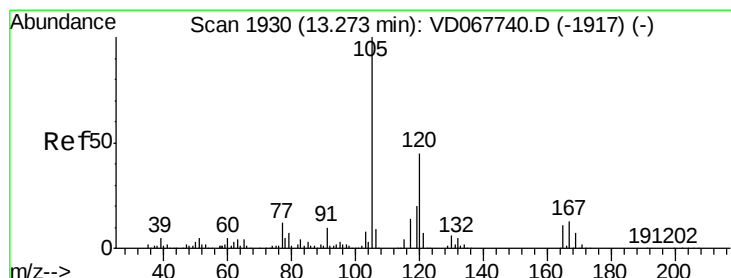
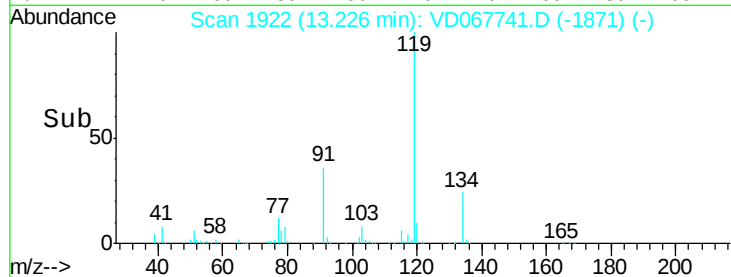
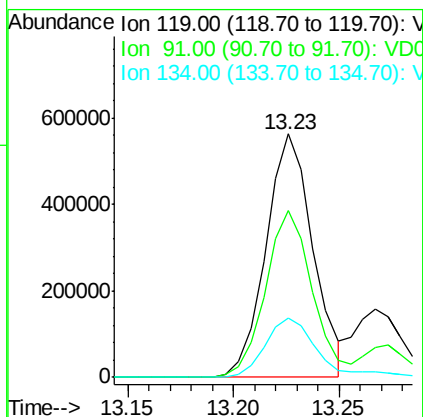
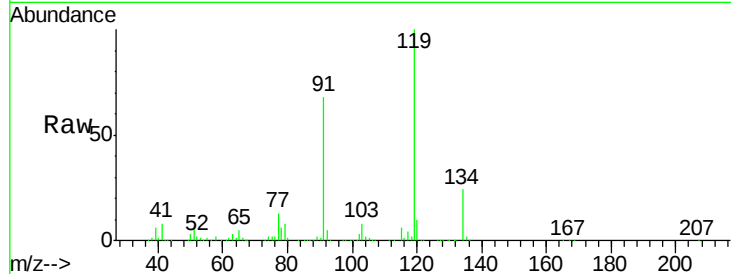
#83
tert-Butylbenzene
Concen: 97.125 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.5	32.9	98.7
134	27.4	12.9	38.6

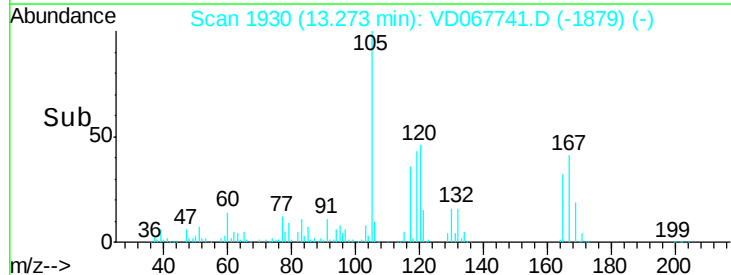
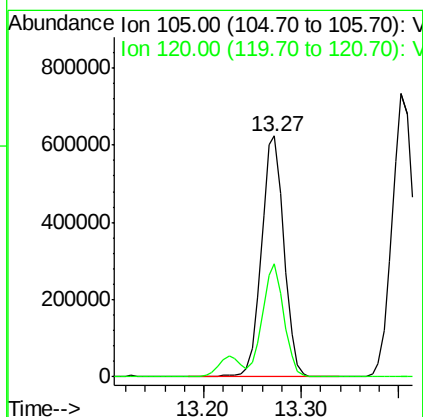
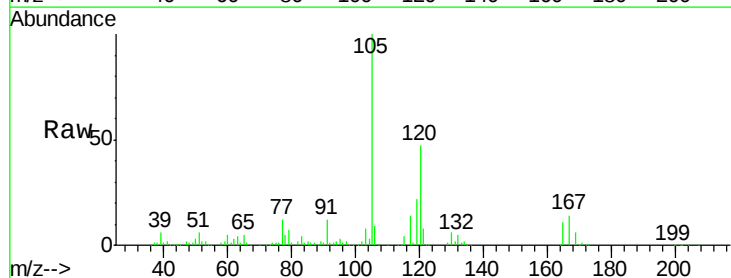
Manual Integrations
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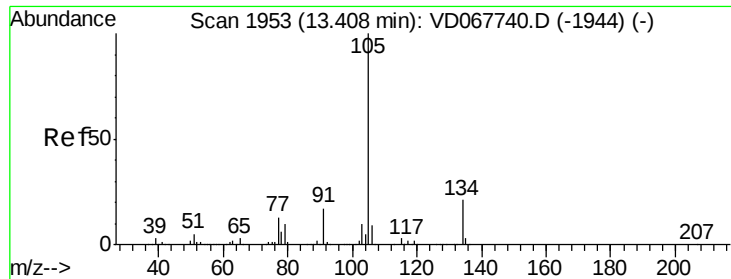
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#84
1,2,4-Trimethylbenzene
Concen: 96.735 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.6	67.7





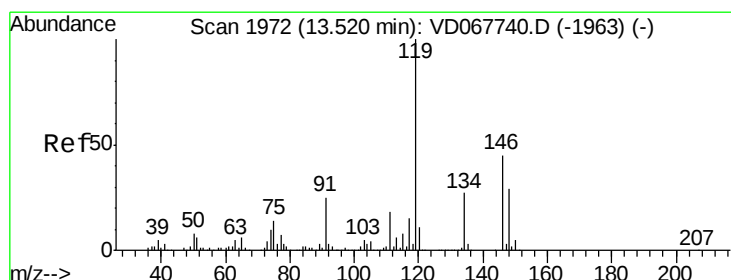
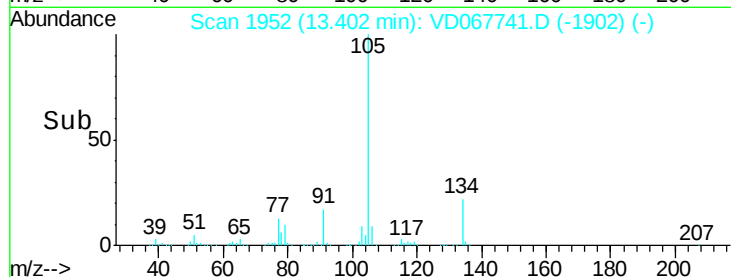
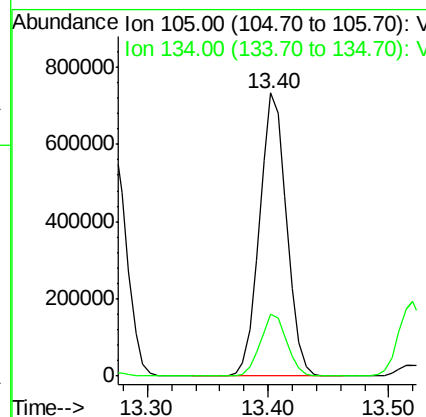
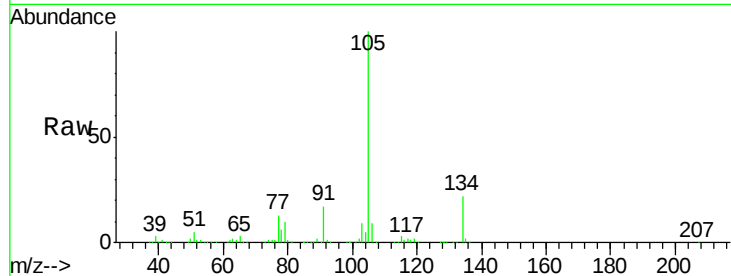
#85
 sec-Butylbenzene
 Concen: 96.797 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.01 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion:105 Resp: 1145074
 Ion Ratio Lower Upper
 105 100
 134 21.8 10.7 32.1

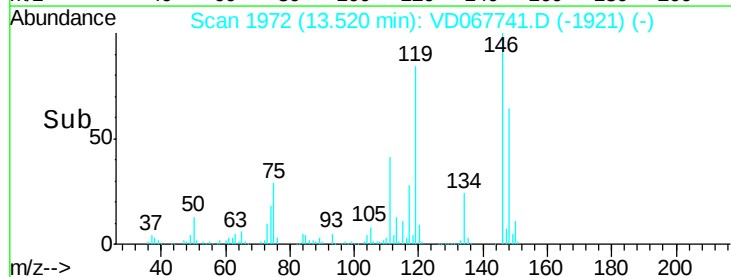
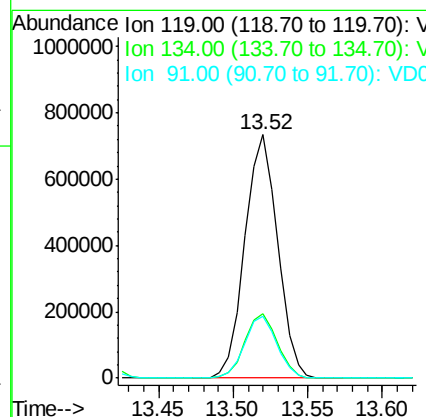
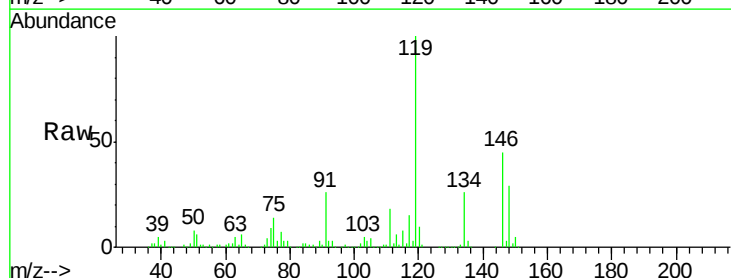
Manual Integrations
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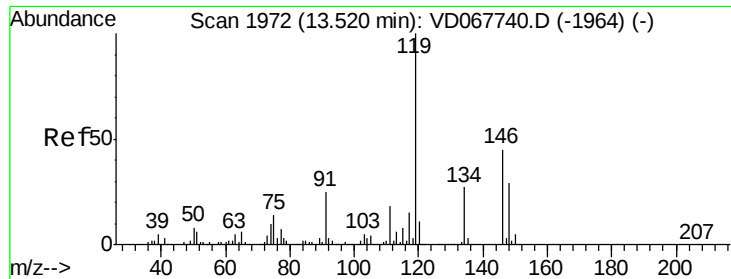
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#86
 p-Isopropyltoluene
 Concen: 97.427 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Tgt Ion:119 Resp: 1114578
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.0 38.9
 91 25.1 12.7 38.1





#87

1,3-Dichlorobenzene

Concen: 90.943 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC100

Tot Ion:146 Resp: 534378

Ion Ratio Lower Upper

146 100

111 40.4 20.2 60.6

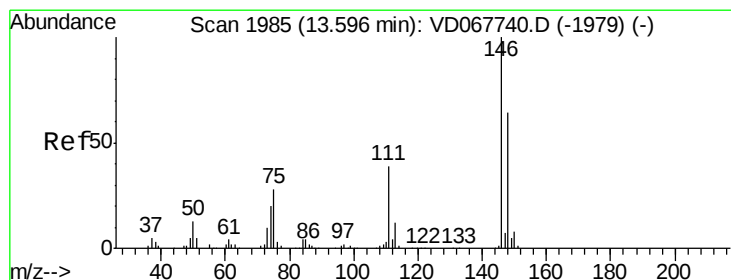
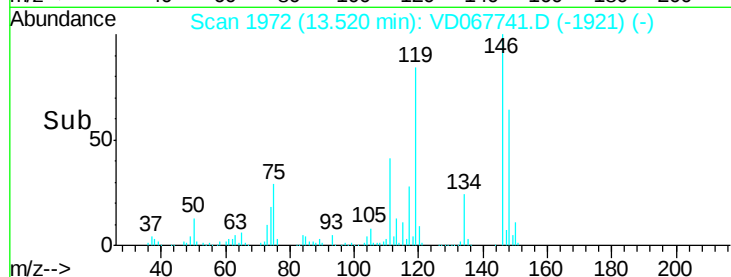
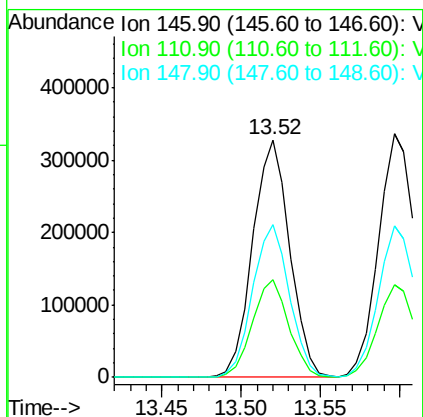
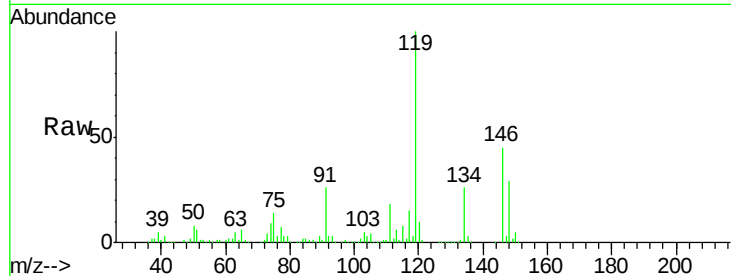
148 63.8 32.5 97.4

Manual Integrations

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#88

1,4-Dichlorobenzene

Concen: 92.339 ug/l

RT: 13.60 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VD067741.D

Acq: 23 Nov 2020 12:44

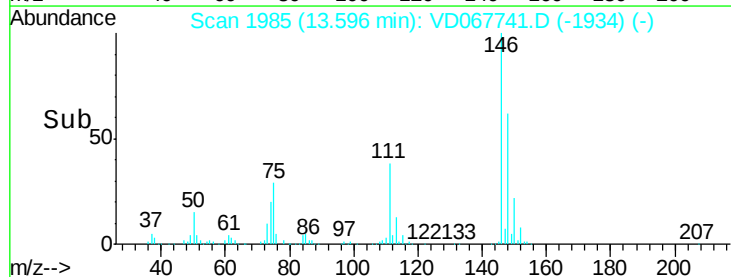
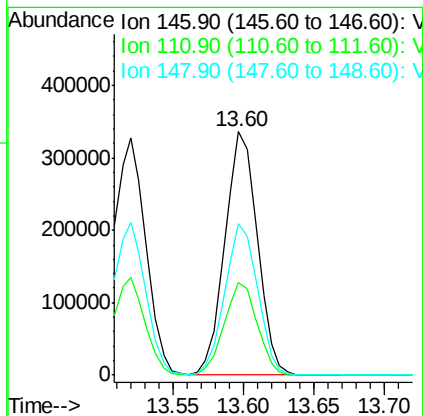
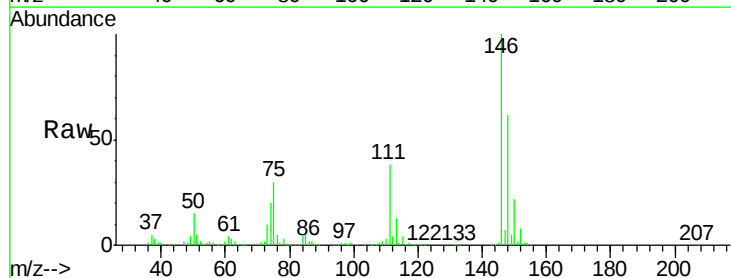
Tgt Ion:146 Resp: 540697

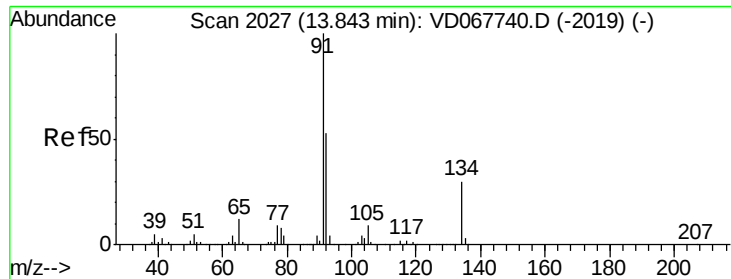
Ion Ratio Lower Upper

146 100

111 38.9 19.4 58.4

148 62.7 31.6 94.8





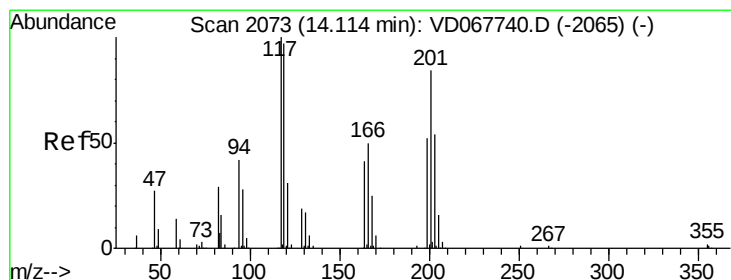
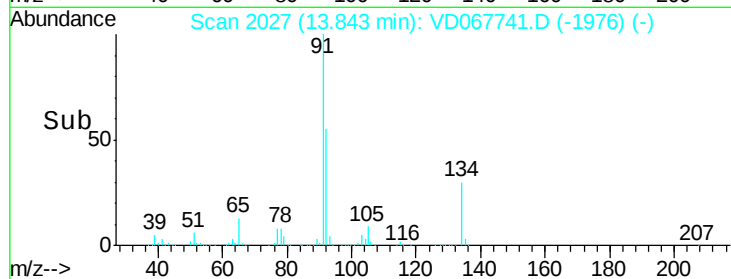
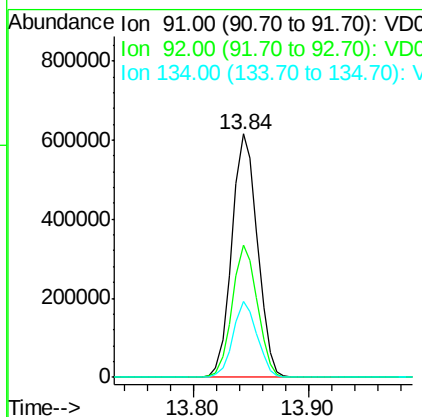
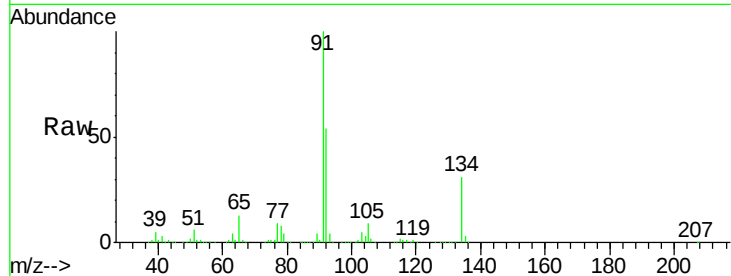
#89
n-Butylbenzene
Concen: 96.278 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.4	26.6	79.7	
134	29.4	14.8	44.3	

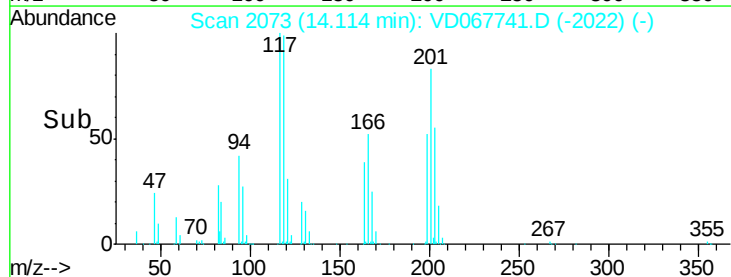
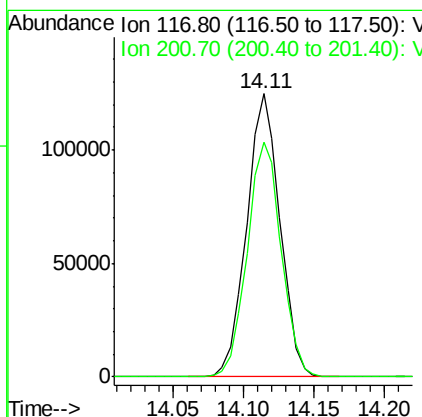
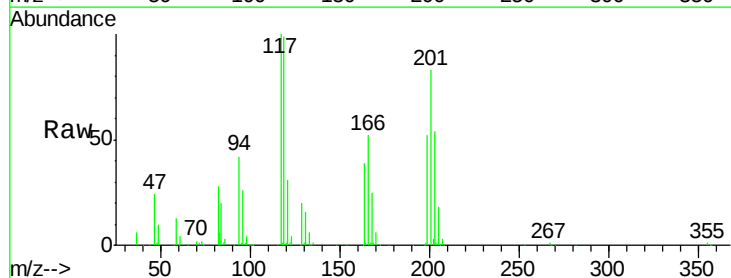
Manual Integrations
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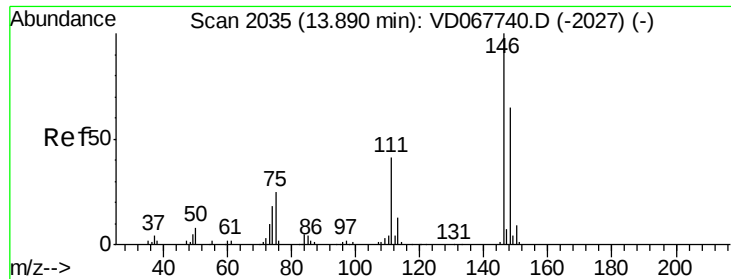
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#90
Hexachloroethane
Concen: 94.793 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	84.7	42.2	126.6	





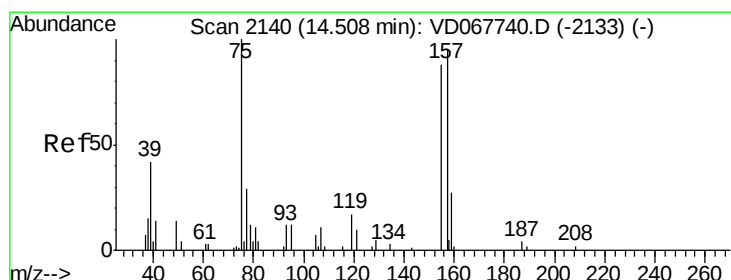
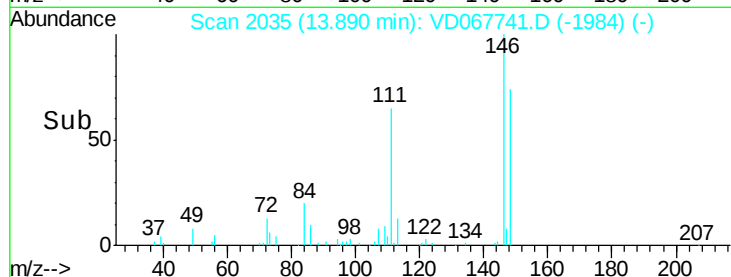
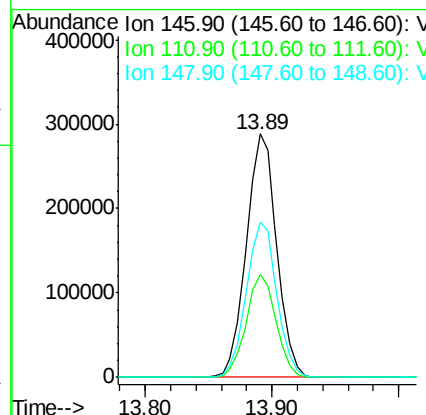
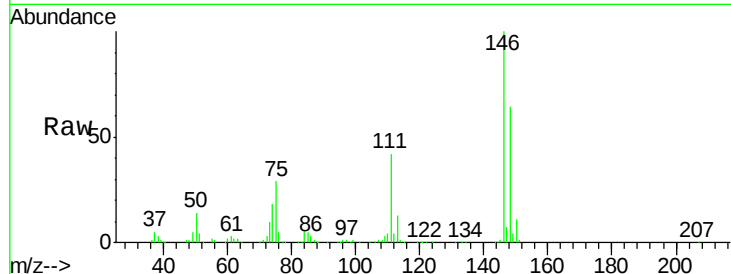
#91
 1,2-Dichlorobenzene
 Concen: 94.723 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	20.8	62.5
148	64.0	32.4	97.2

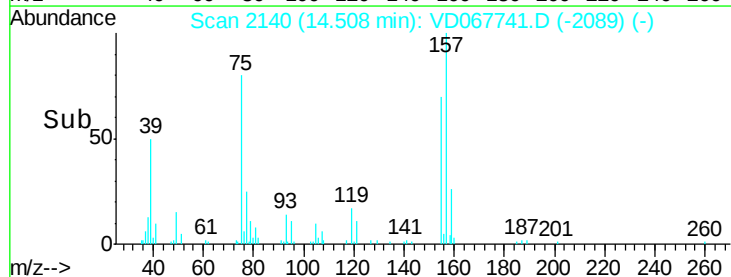
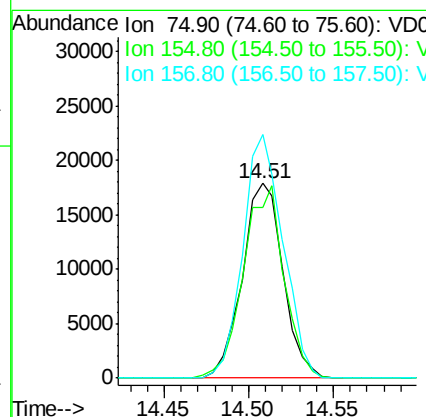
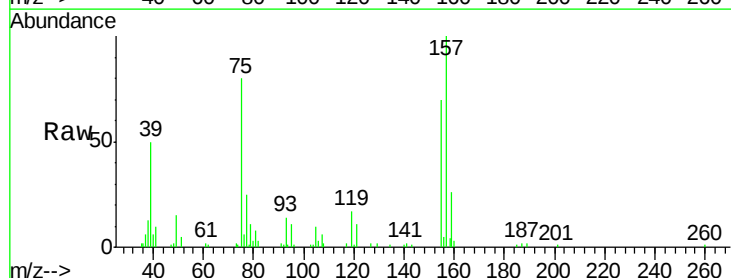
Manual Integrations
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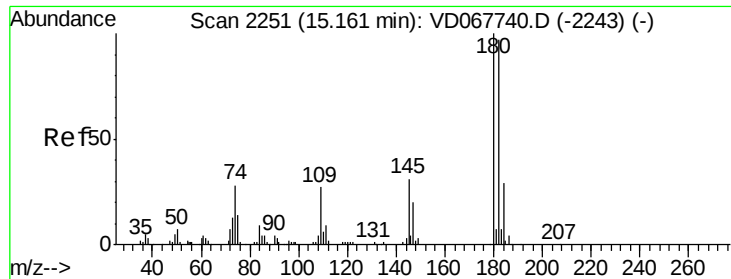
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 87.380 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.1	41.0	123.0
157	123.0	51.1	153.4





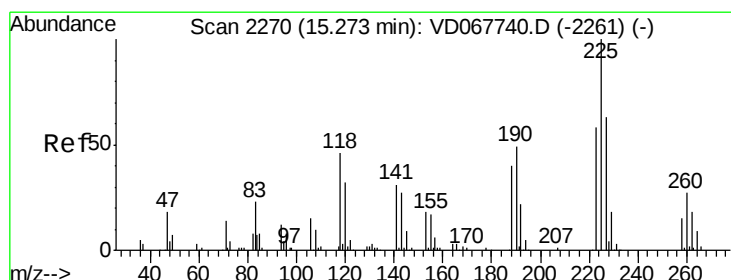
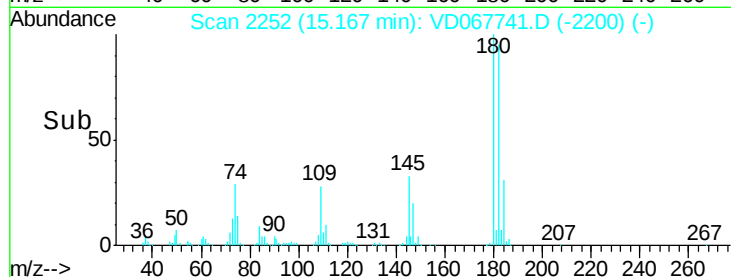
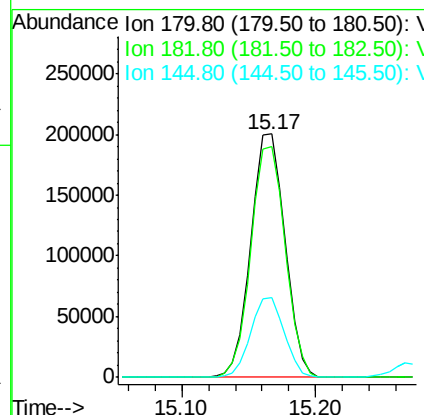
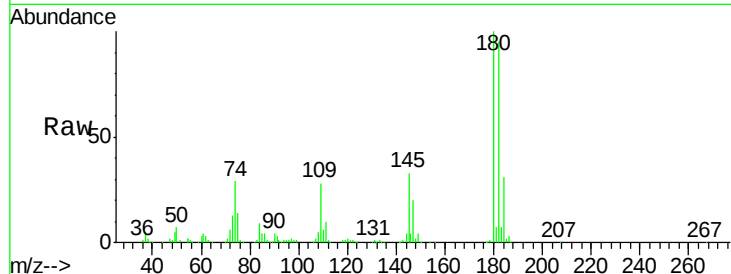
#93
 1,2,4-Trichlorobenzene
 Concen: 99.040 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC100

Tot Ion	Ratio	Resp	Lower	Upper
180	100	354444		
182	95.4	47.4	142.2	
145	32.3	16.1	48.3	

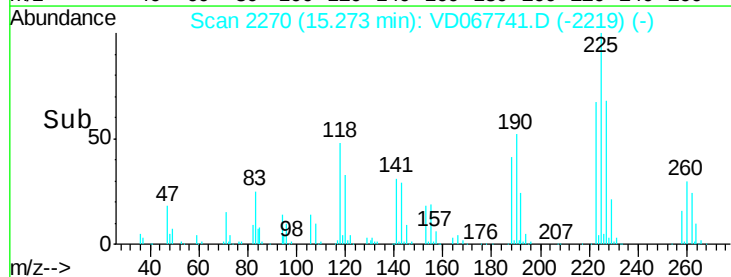
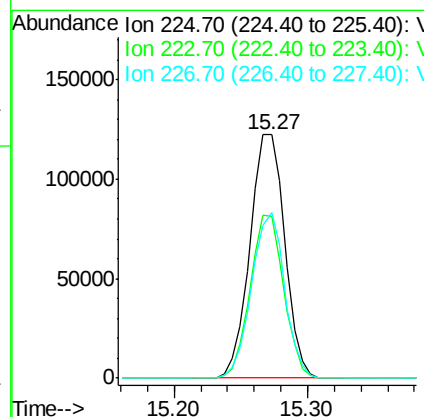
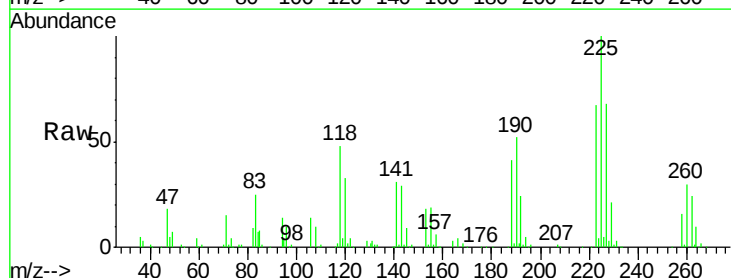
Manual Integrations
 APPROVED

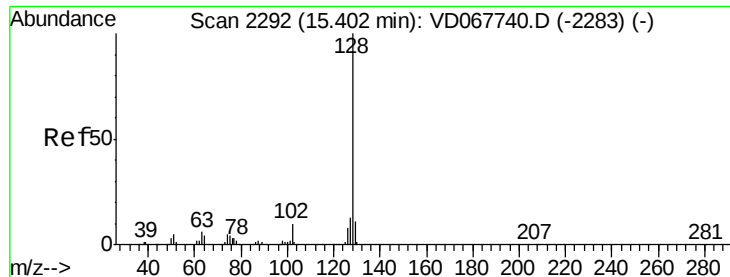
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#94
 Hexachlorobutadiene
 Concen: 95.657 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067741.D
 Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	219594		
223	64.5	31.5	94.5	
227	64.4	32.9	98.7	





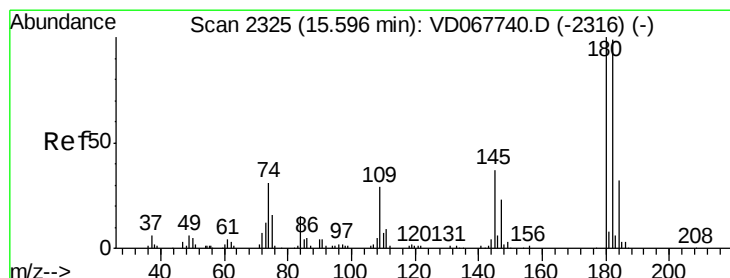
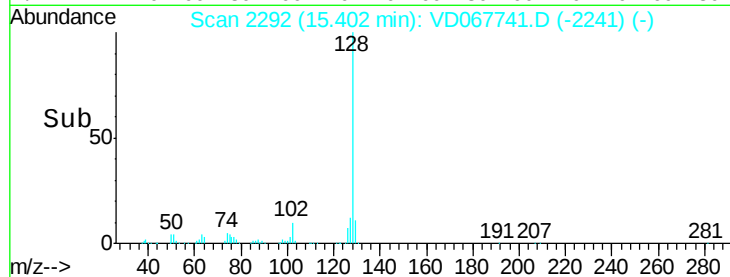
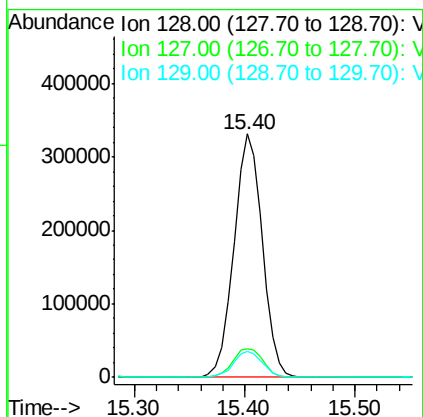
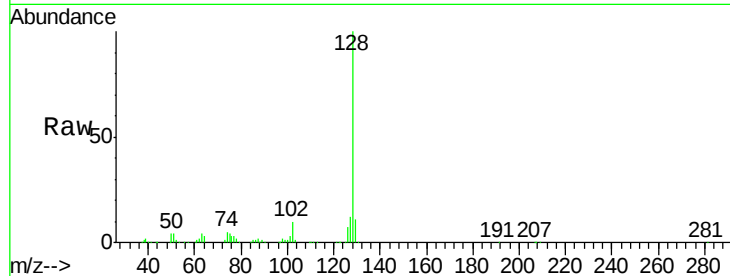
#95
Naphthalene
Concen: 102.744 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Instrument :
MSVOA_D
ClientSampleId :
VSTDICC100

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.7	16.1
129	10.9	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 99.343 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. 0.00 min
Lab File: VD067741.D
Acq: 23 Nov 2020 12:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	48.0	144.0
145	34.8	16.8	50.4

