

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD112320\
 Data File : VD067743.D
 Acq On : 23 Nov 2020 14:05
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Manual Integrations
 APPROVED

MMDadoda
 11/24/2020 2:56:37 PM

Quant Time: Nov 24 01:01:45 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D112320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 24 00:51:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	279351	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	407633	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	373120	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	184819	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	139704	51.43	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.86%
35) Dibromofluoromethane	7.92	113	132476	51.07	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.14%
50) Toluene-d8	10.34	98	483935	51.02	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.04%
62) 4-Bromofluorobenzene	12.64	95	167318	51.61	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	103.22%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	122635	50.446	ug/l	95
3) Chloromethane	2.20	50	72504	53.572	ug/l	96
4) Vinyl Chloride	2.35	62	87574	51.639	ug/l	100
5) Bromomethane	2.77	94	72700	50.315	ug/l	96
6) Chloroethane	2.92	64	55690	49.271	ug/l	100
7) Trichlorofluoromethane	3.27	101	249825	48.274	ug/l	98
8) Diethyl Ether	3.71	74	51332	49.129	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	122050	49.251	ug/l	99
10) Methyl Iodide	4.30	142	125153	49.340	ug/l	99
11) Tert butyl alcohol	5.22	59	34849	242.979	ug/l #	84
12) 1,1-Dichloroethene	4.07	96	112156	48.911	ug/l	98
13) Acrolein	3.91	56	26896	238.899	ug/l	98
14) Allyl chloride	4.71	41	116356	52.493	ug/l	100
15) Acrylonitrile	5.42	53	93835	257.850	ug/l	99
16) Acetone	4.16	43	87243	248.631	ug/l	91
17) Carbon Disulfide	4.41	76	332596	50.148	ug/l	100
18) Methyl Acetate	4.71	43	34655	49.090	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	253961	51.821	ug/l	97
20) Methylene Chloride	4.96	84	128910	48.294	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	129389	49.631	ug/l	96
22) Diisopropyl ether	6.36	45	229458	52.441	ug/l	96
23) Vinyl Acetate	6.30	43	670043	271.474	ug/l	97
24) 1,1-Dichloroethane	6.27	63	189126	50.982	ug/l	98
25) 2-Butanone	7.21	43	97292	247.088	ug/l	93
26) 2,2-Dichloropropane	7.21	77	212752	48.614	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	139609	50.241	ug/l	99
28) Bromochloromethane	7.55	49	61535	51.785	ug/l	93
29) Tetrahydrofuran	7.56	42	59734	266.820	ug/l	99
30) Chloroform	7.71	83	236021	48.654	ug/l	99
31) Cyclohexane	7.98	56	154117	46.894	ug/l	98
32) 1,1,1-Trichloroethane	7.91	97	248954	48.458	ug/l	99
36) 1,1-Dichloropropene	8.11	75	172526	49.322	ug/l	100
37) Ethyl Acetate	7.30	43	45548	48.426	ug/l	96
38) Carbon Tetrachloride	8.10	117	241998	47.727	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	205635	49.675	ug/l	98
40) Benzene	8.35	78	467788	48.693	ug/l	98
41) Methacrylonitrile	7.52	41	26537	55.252	ug/l	94
42) 1,2-Dichloroethane	8.43	62	155886	47.822	ug/l	99
43) Isopropyl Acetate	8.46	43	92733	49.370	ug/l	100
44) Trichloroethene	9.11	130	149645	46.999	ug/l	97
45) 1,2-Dichloropropane	9.39	63	97359	49.389	ug/l	91
46) Dibromomethane	9.48	93	66208	49.333	ug/l	99
47) Bromodichloromethane	9.67	83	182364	48.797	ug/l	92
48) Methyl methacrylate	9.46	41	44249	47.120	ug/l	98
49) 1,4-Dioxane	9.46	88	14554	1000.675	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	221691	250.821	ug/l	99
52) Toluene	10.41	92	325881	50.003	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	157196	48.145	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	179259	48.513	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	87171	48.409	ug/l	97
56) Ethyl methacrylate	10.67	69	94130	50.490	ug/l	99
57) 1,3-Dichloropropane	10.95	76	140400	49.450	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	245635	281.983	ug/l	100
59) 2-Hexanone	10.98	43	154288	247.243	ug/l	99
60) Dibromochloromethane	11.14	129	132256	48.198	ug/l	99
61) 1,2-Dibromoethane	11.25	107	85494	48.185	ug/l	96
64) Tetrachloroethene	10.88	164	137176	47.369	ug/l #	83
65) Chlorobenzene	11.67	112	359404	49.009	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.74	131	144402	48.679	ug/l	99
67) Ethyl Benzene	11.75	91	621320	49.077	ug/l	99
68) m/p-Xylenes	11.86	106	487438	98.939	ug/l	99
69) o-Xylene	12.18	106	223018	49.718	ug/l	98
70) Styrene	12.20	104	382631	50.079	ug/l	99
71) Bromoform	12.36	173	75735	47.030	ug/l #	98
73) Isopropylbenzene	12.48	105	629495	51.766	ug/l	99
74) N-amyl acetate	12.29	43	79819	49.774	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	79289	48.584	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	62656m	48.642	ug/l	
77) Bromobenzene	12.76	156	154307	50.692	ug/l	100
78) n-propylbenzene	12.83	91	707002	52.258	ug/l	100
79) 2-Chlorotoluene	12.91	91	408916	51.051	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	552552	52.243	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	27418	49.785	ug/l	98
82) 4-Chlorotoluene	13.01	91	435571	51.034	ug/l	100
83) tert-Butylbenzene	13.23	119	455401	50.107	ug/l	96
84) 1,2,4-Trimethylbenzene	13.27	105	541381	51.240	ug/l	99
85) sec-Butylbenzene	13.40	105	613464	51.379	ug/l	100
86) p-Isopropyltoluene	13.52	119	588498	50.888	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	287790	48.850	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	287119	49.199	ug/l	98
89) n-Butylbenzene	13.84	91	513911	51.856	ug/l	99
90) Hexachloroethane	14.11	117	111293	50.553	ug/l	97
91) 1,2-Dichlorobenzene	13.89	146	250978	49.454	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17595	50.008	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	183135	50.965	ug/l	100
94) Hexachlorobutadiene	15.27	225	113393	49.389	ug/l	99
95) Naphthalene	15.40	128	298500	51.328	ug/l	98
96) 1,2,3-Trichlorobenzene	15.60	180	156724	51.203	ug/l	99

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

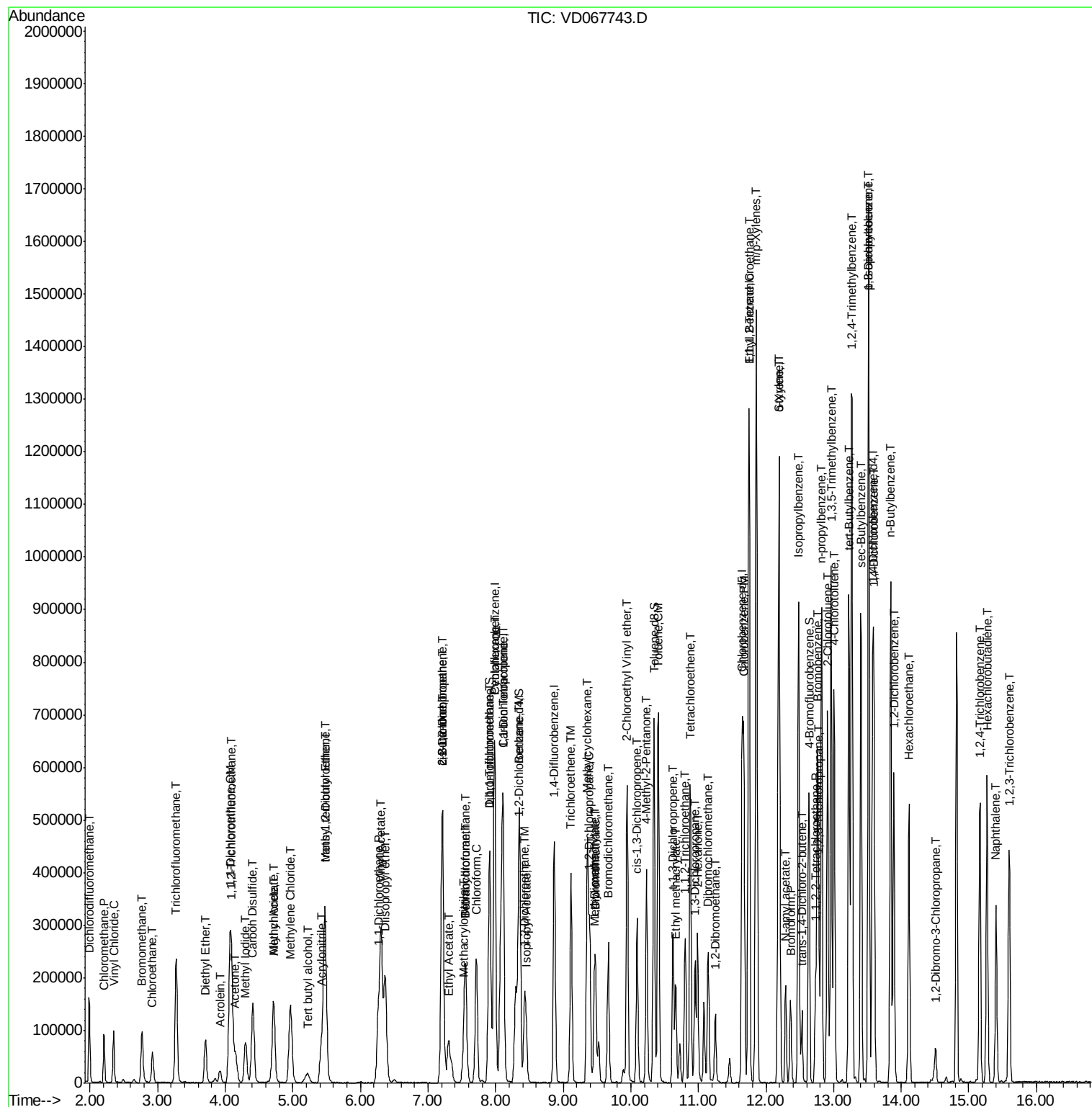
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD112320\
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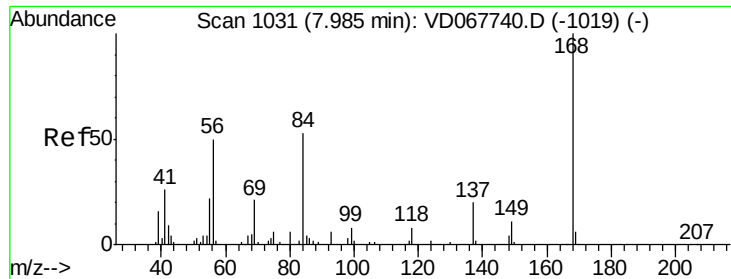
Instrument :
MSVOA_D
ClientSampleId :
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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Tue Nov 24 00:51:35 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion:168 Resp: 279351

Ion Ratio Lower Upper

168 100

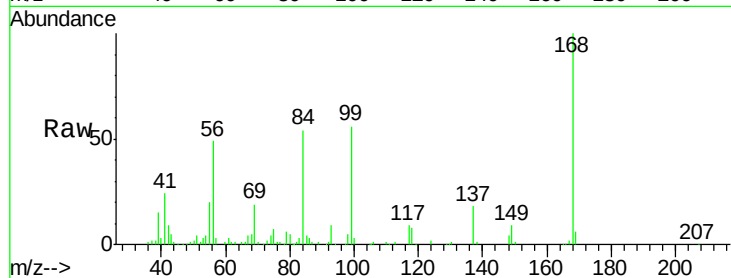
99 56.1 43.8 65.8

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

150000

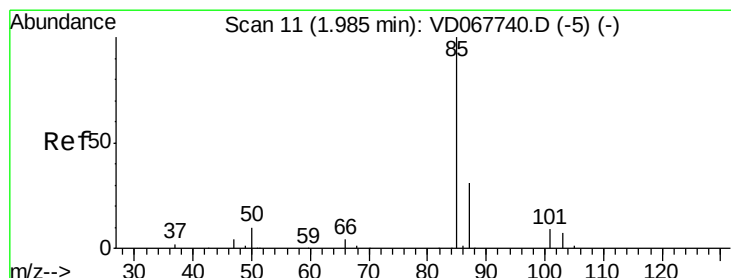
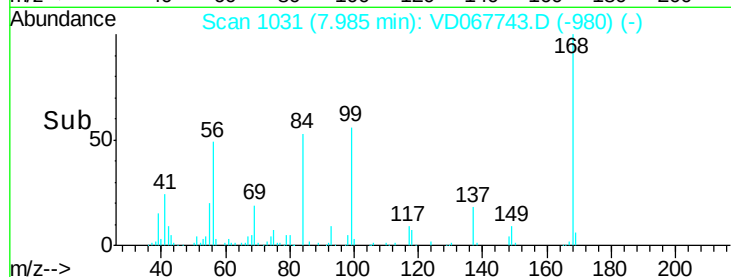
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 50.446 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067743.D

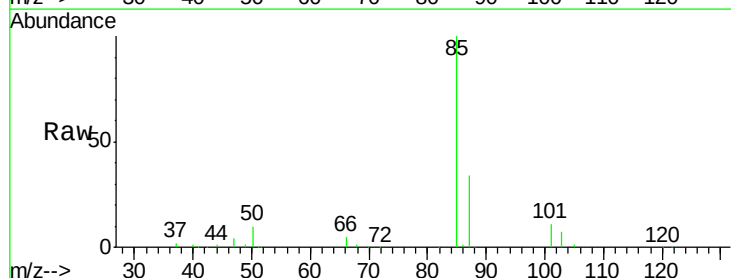
Acq: 23 Nov 2020 14:05

Tgt Ion: 85 Resp: 122635

Ion Ratio Lower Upper

85 100

87 34.0 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

100000

80000

60000

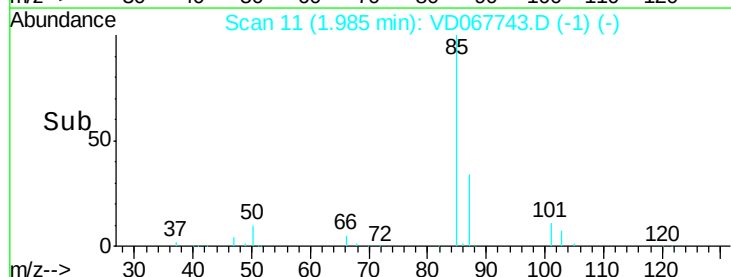
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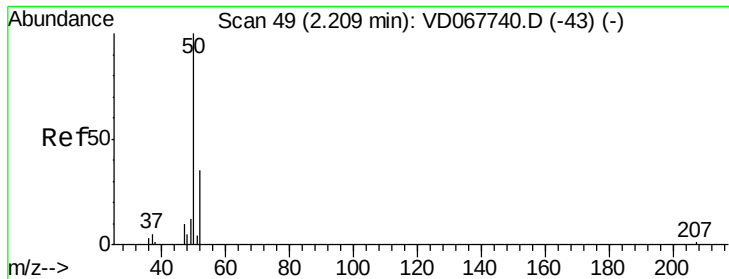
20000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 53.572 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 50 Resp: 72504

Ion Ratio Lower Upper

50 100

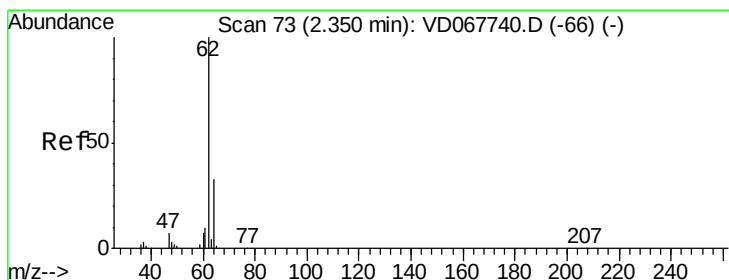
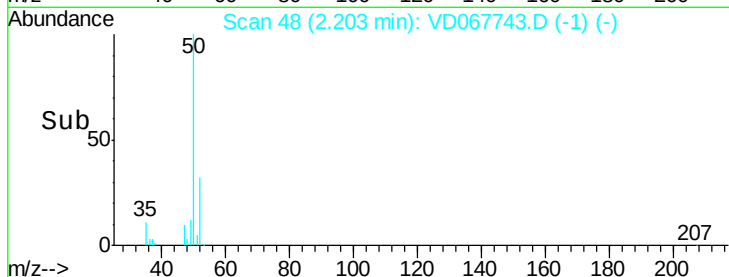
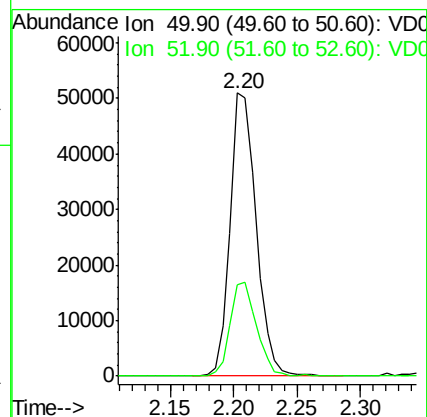
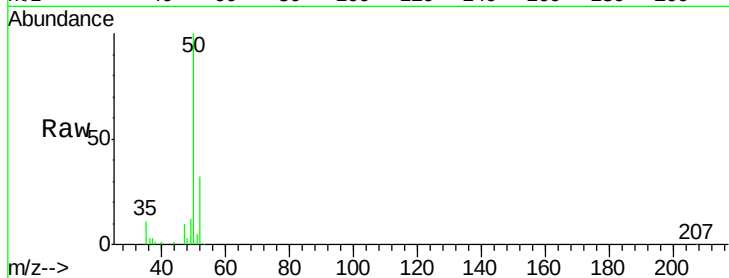
52 32.3 27.8 41.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 51.639 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067743.D

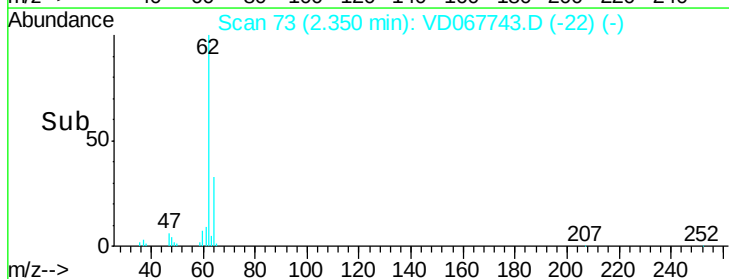
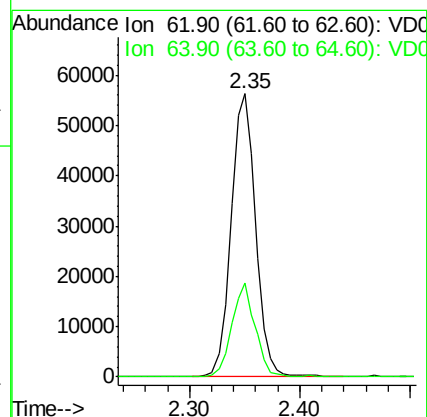
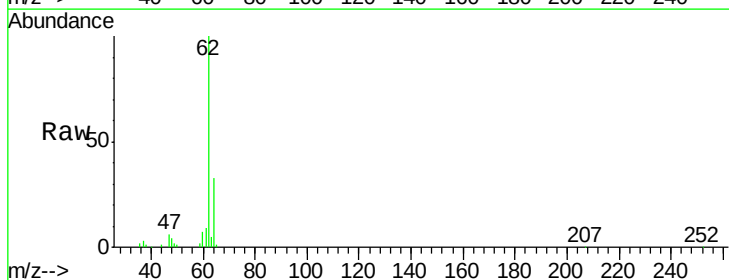
Acq: 23 Nov 2020 14:05

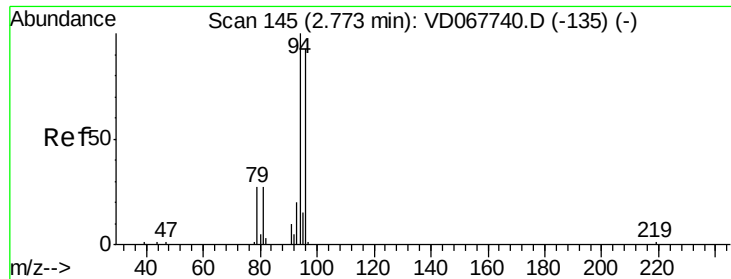
Tgt Ion: 62 Resp: 87574

Ion Ratio Lower Upper

62 100

64 33.1 26.6 40.0





#5

Bromomethane

Concen: 50.315 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 94 Resp: 72700

Ion Ratio Lower Upper

94 100

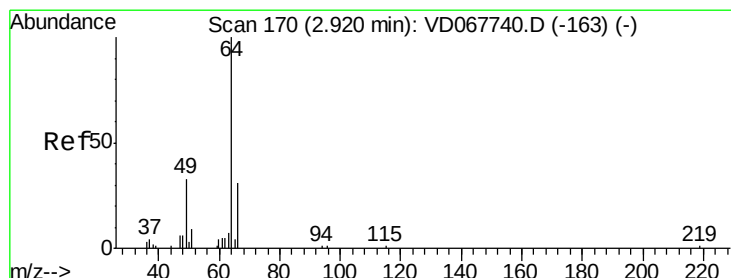
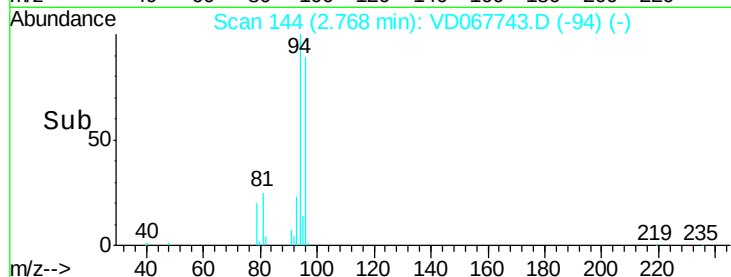
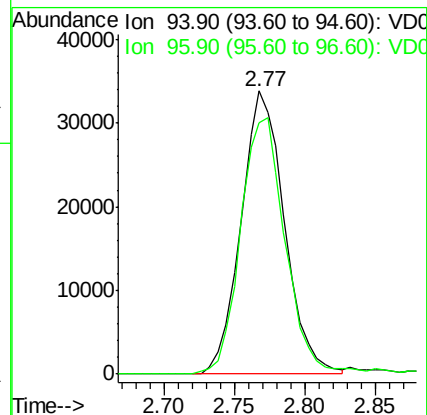
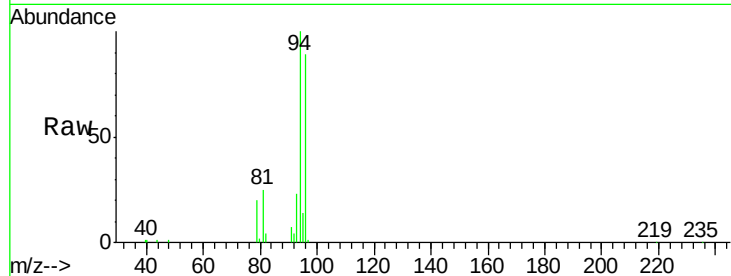
96 88.9 74.0 111.0

Manual Integrations

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#6

Chloroethane

Concen: 49.271 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067743.D

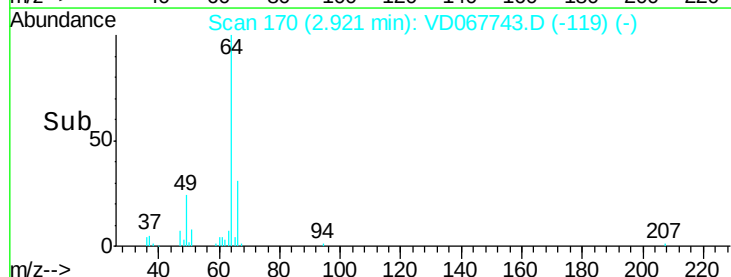
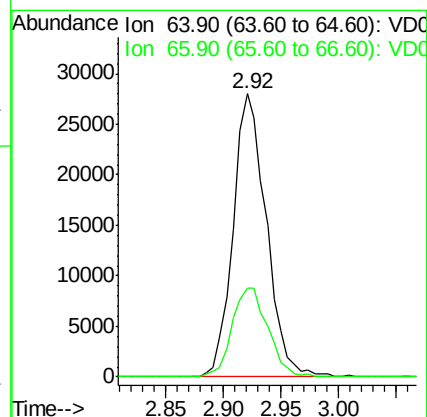
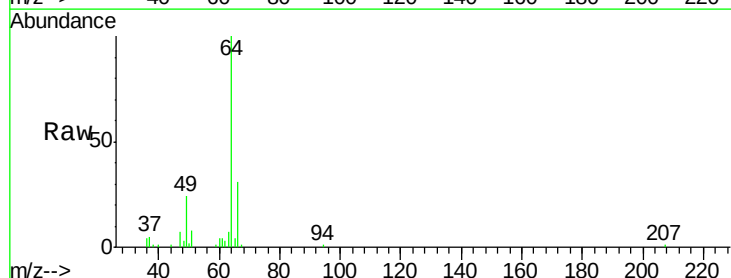
Acq: 23 Nov 2020 14:05

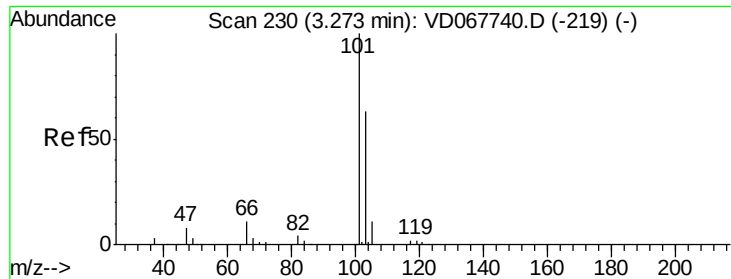
Tgt Ion: 64 Resp: 55690

Ion Ratio Lower Upper

64 100

66 31.2 25.1 37.7





#7

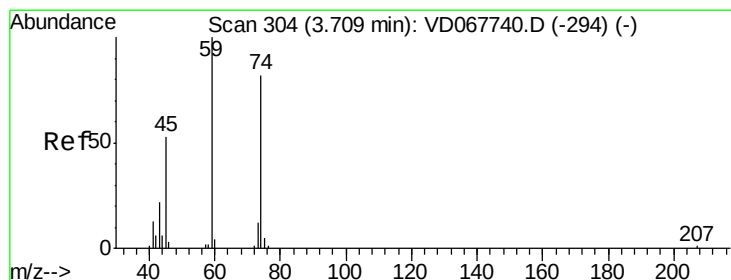
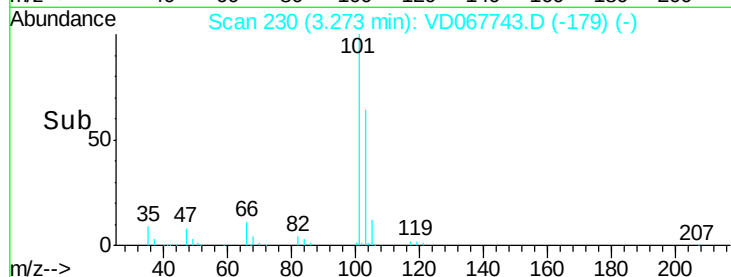
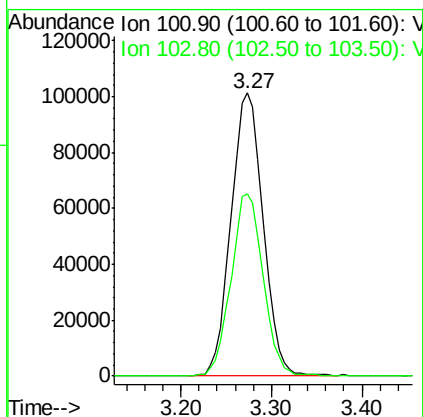
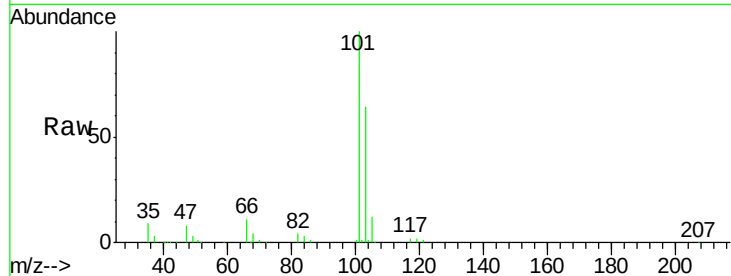
Trichlorofluoromethane
Concen: 48.274 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.3	75.5

Manual Integrations
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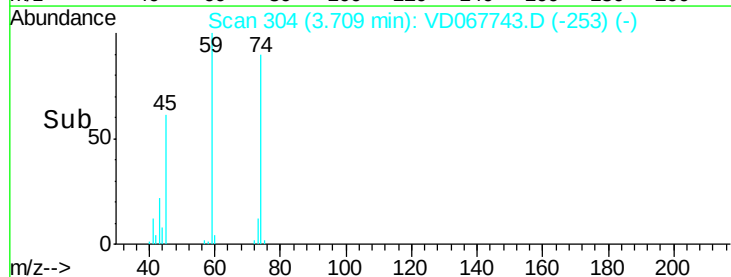
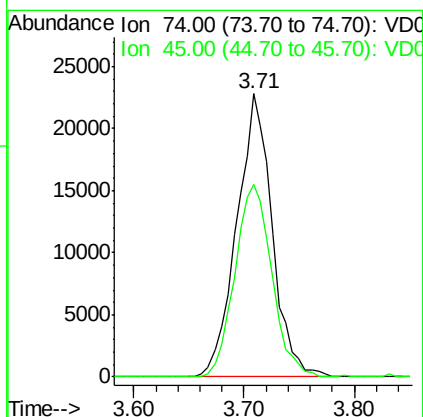
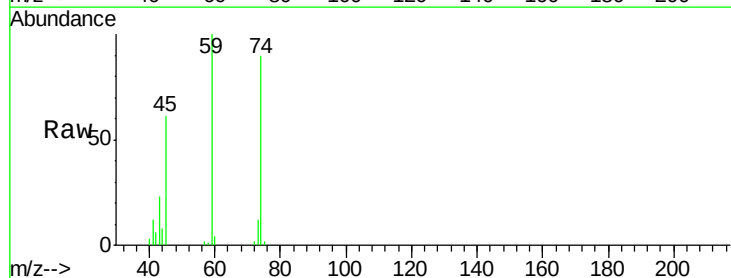
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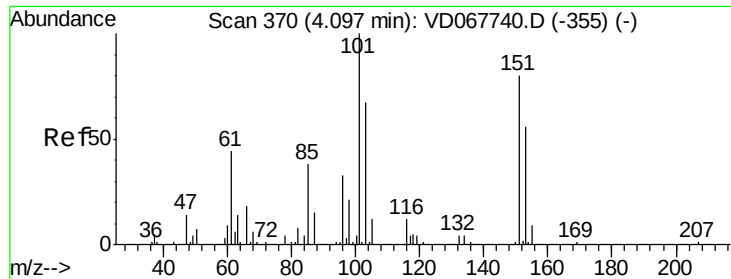


#8

Diethyl Ether
Concen: 49.129 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
74	100		
45	70.7	35.9	107.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.251 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067743.D

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Instrument :

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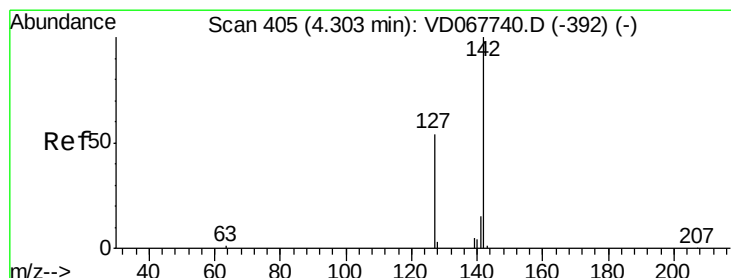
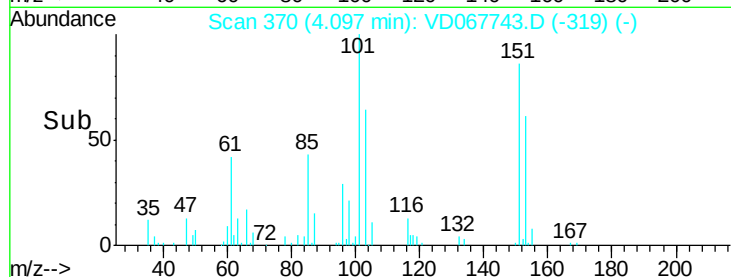
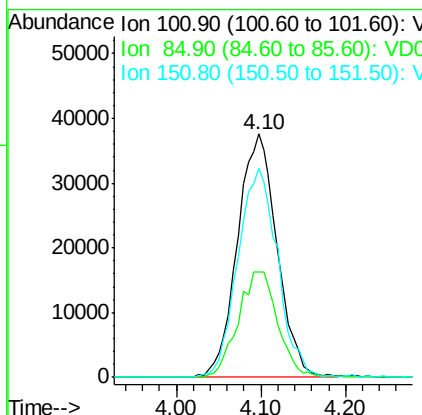
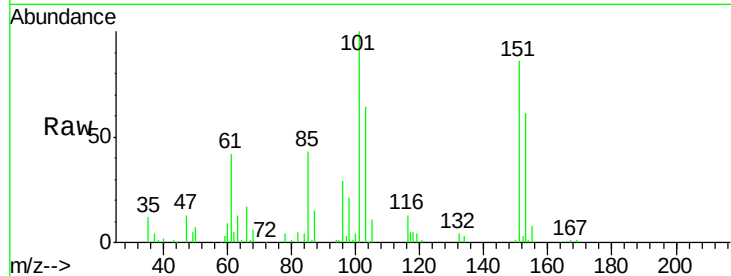
ClientSampleId :

ICVVD112320

Tot Ion:	101	Resp:	122050
Ion Ratio	Lower	Upper	
101	100		
85	43.7	35.5	53.3
151	86.5	69.4	104.0

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#10

Methyl Iodide

Concen: 49.340 ug/l

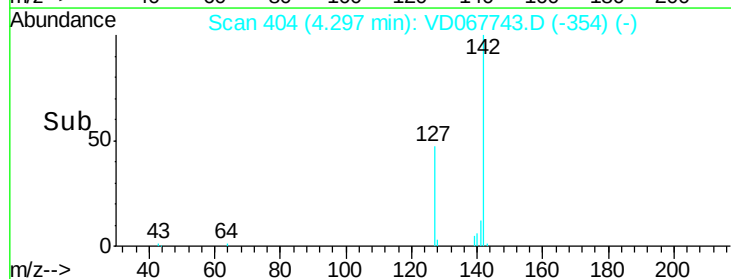
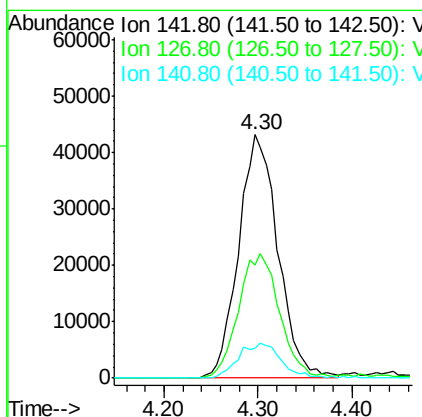
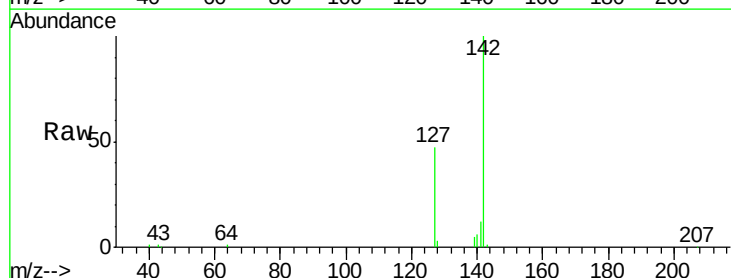
RT: 4.30 min Scan# 404

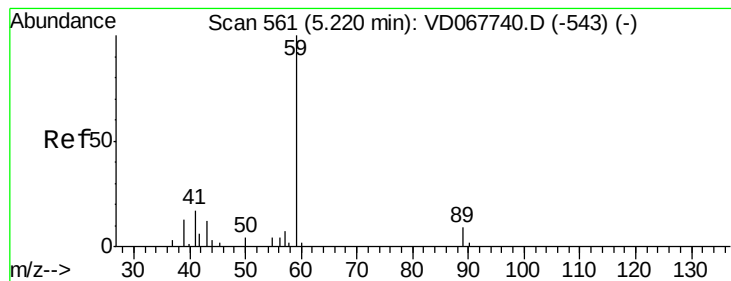
Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion:	142	Resp:	125153
Ion Ratio	Lower	Upper	
142	100		
127	53.4	42.2	63.2
141	15.4	11.8	17.6





#11

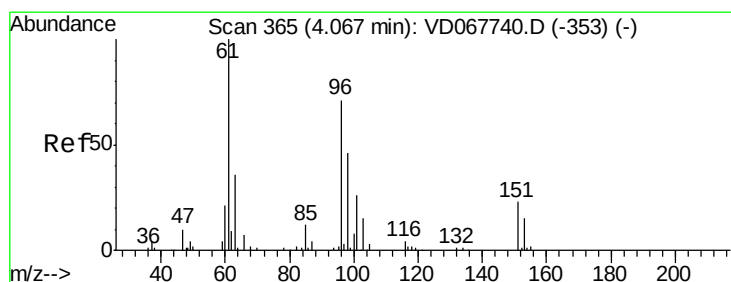
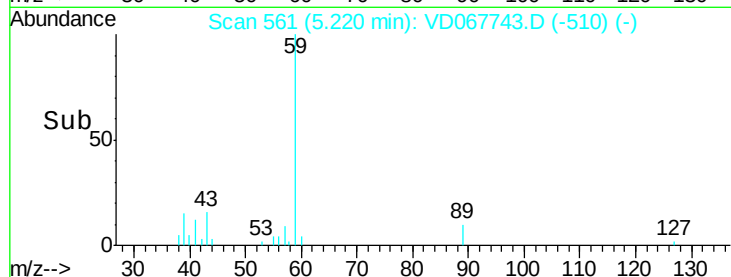
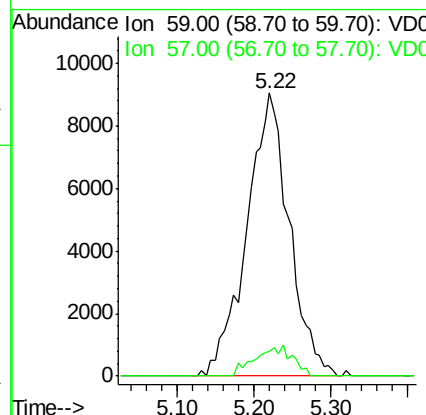
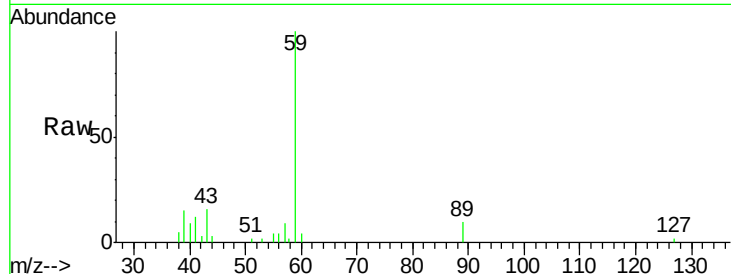
Tert butyl alcohol
 Concen: 242.979 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Tot Ion	Ion	Ratio	Resp	Lower	Upper
59	59	100	34849		
57	57	9.4		3.4	5.0#

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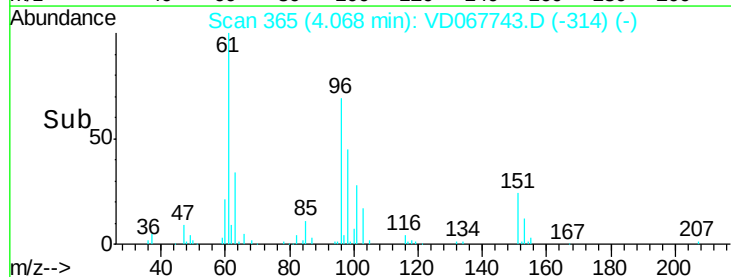
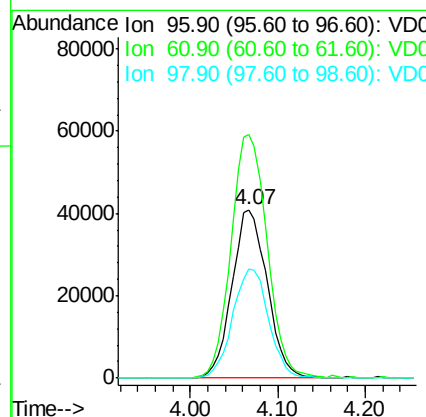
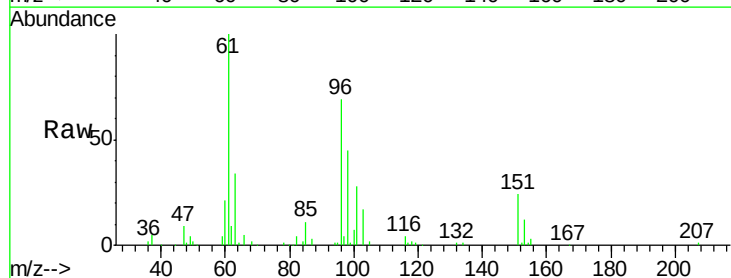
MMDadoda
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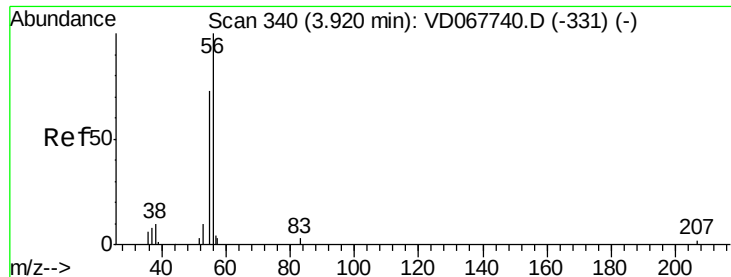


#12

1,1-Dichloroethene
 Concen: 48.911 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
96	96	100	112156		
61	61	144.6		112.9	169.3
98	98	65.1		52.4	78.6





#13

Acrolein

Concen: 238.899 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 56 Resp: 26896

Ion Ratio Lower Upper

56 100

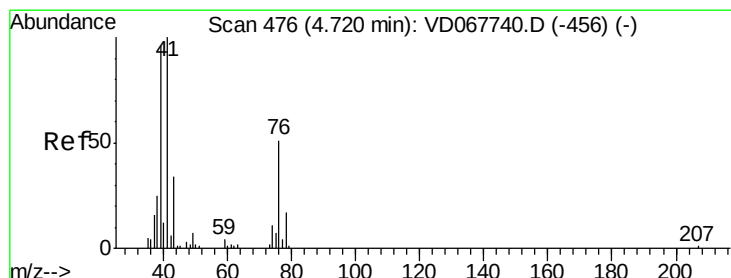
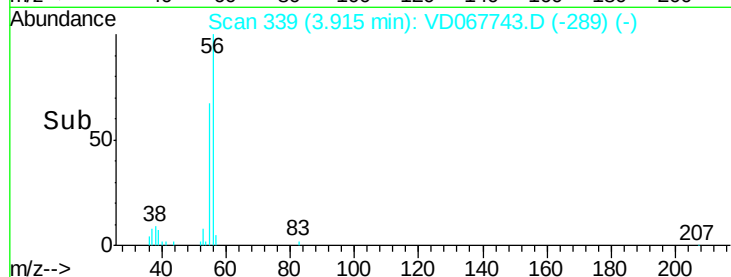
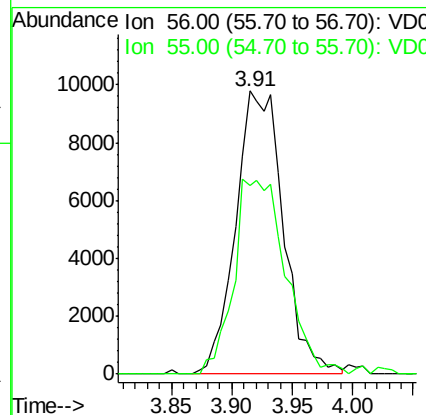
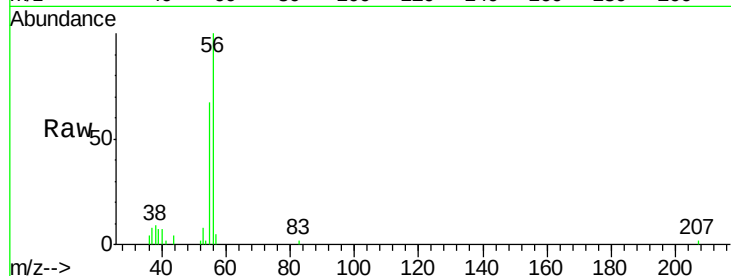
55 74.6 61.2 91.8

Manual Integrations

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#14

Allyl chloride

Concen: 52.493 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

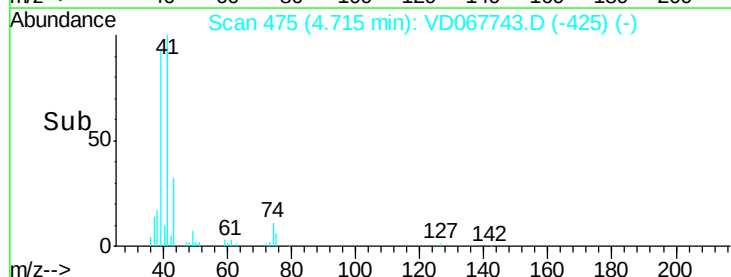
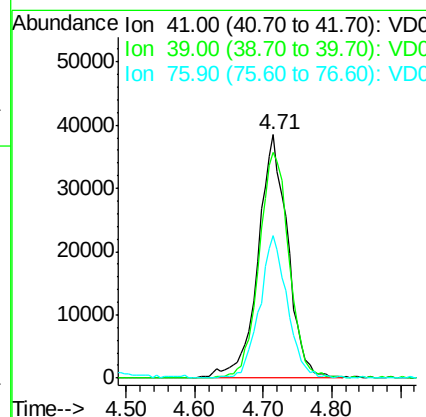
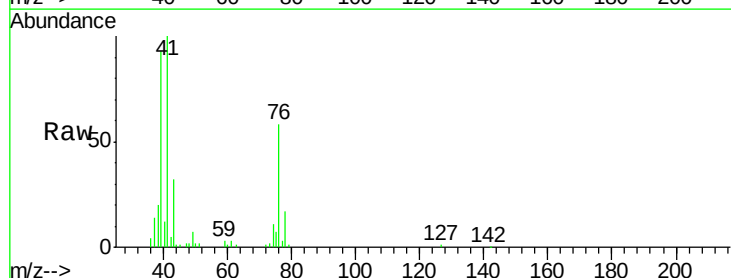
Tgt Ion: 41 Resp: 116356

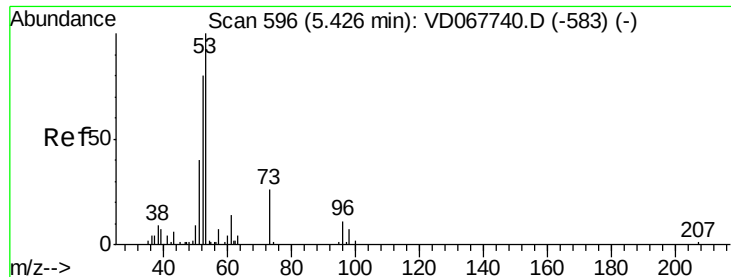
Ion Ratio Lower Upper

41 100

39 93.1 74.6 111.8

76 54.2 43.3 64.9





#15

Acrylonitrile

Concen: 257.850 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

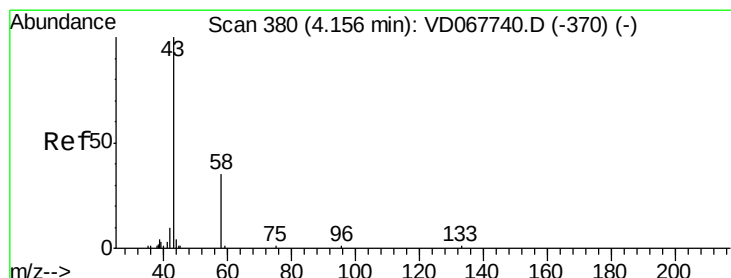
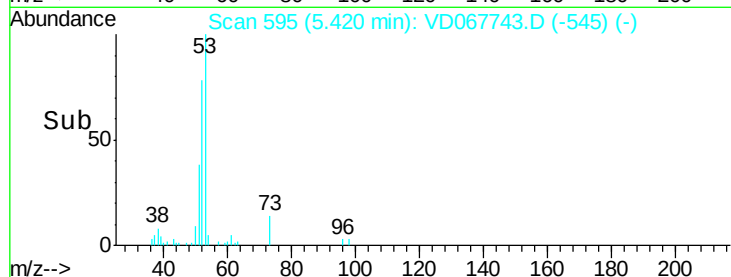
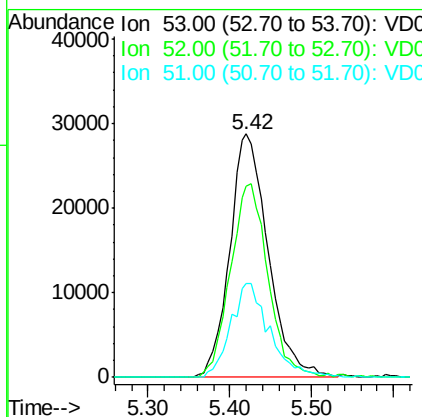
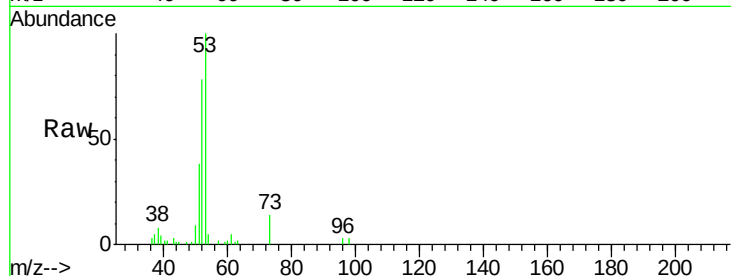
ClientSampleId :

ICVVD112320

Tot Ion:	53	Resp:	93835
Ion Ratio	Lower	Upper	
53	100		
52	77.7	63.4	95.2
51	38.9	31.4	47.2

Manual Integrations
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#16

Acetone

Concen: 248.631 ug/l

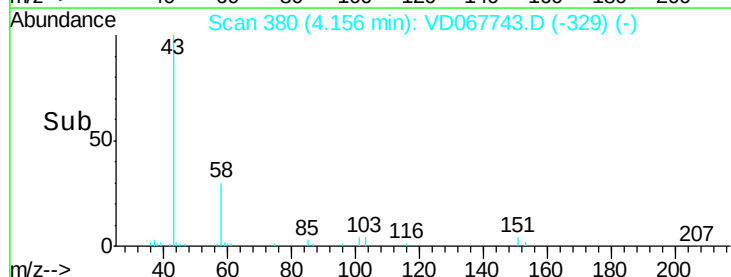
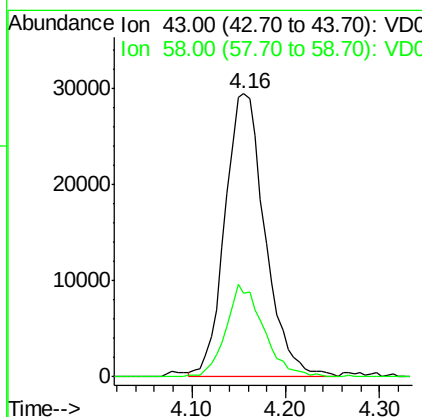
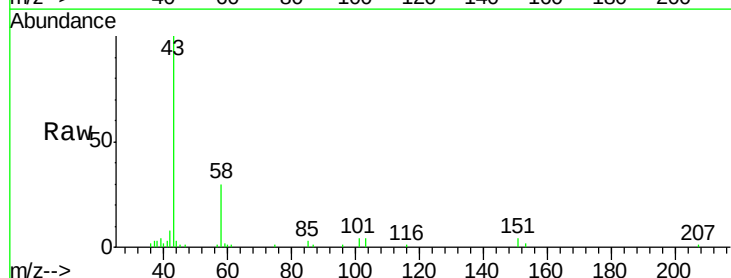
RT: 4.16 min Scan# 380

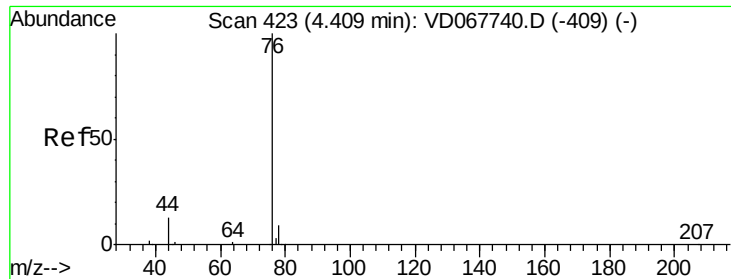
Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion:	43	Resp:	87243
Ion Ratio	Lower	Upper	
43	100		
58	29.6	27.6	41.4





#17

Carbon Disulfide

Concen: 50.148 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 76 Resp: 332596

Ion Ratio Lower Upper

76 100

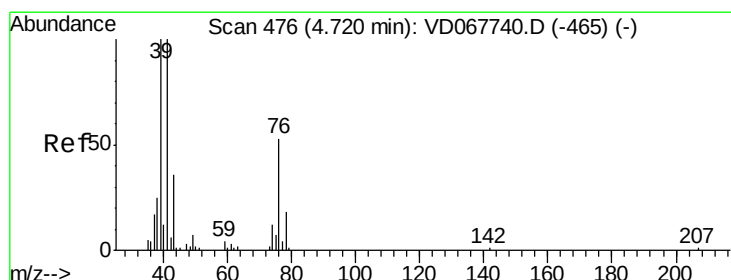
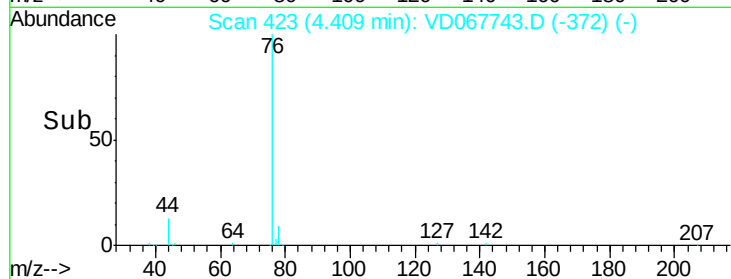
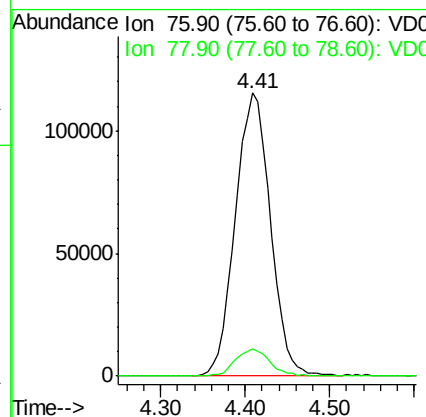
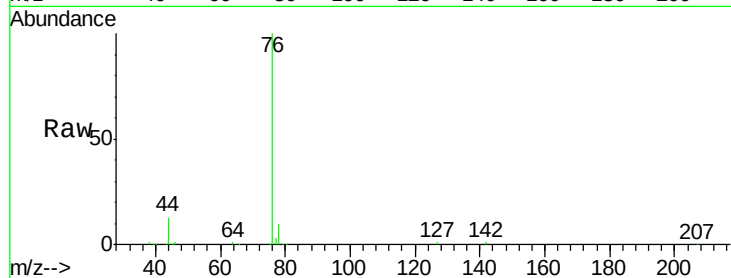
78 9.5 7.5 11.3

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#18

Methyl Acetate

Concen: 49.090 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067743.D

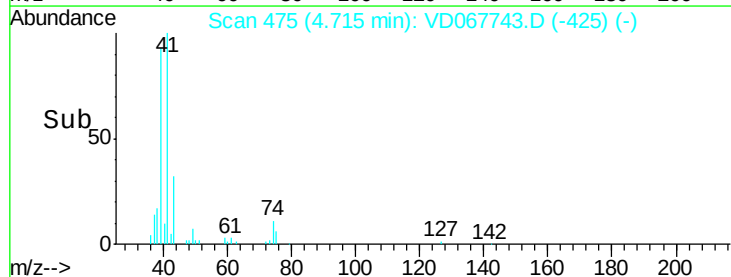
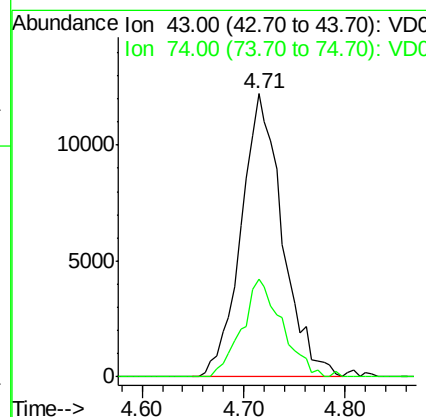
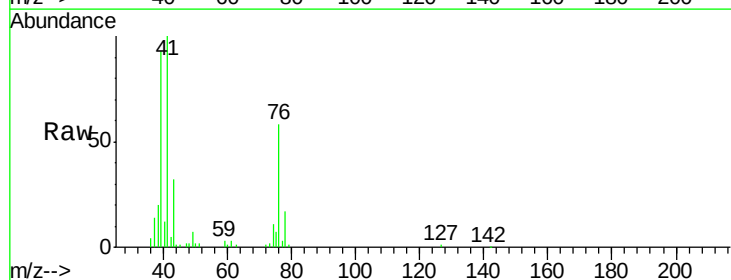
Acq: 23 Nov 2020 14:05

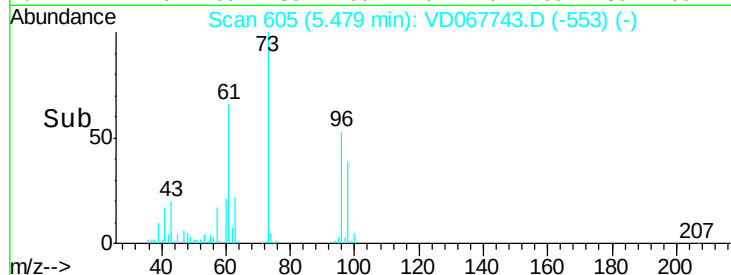
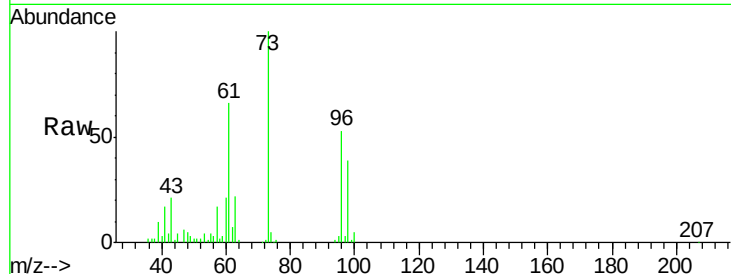
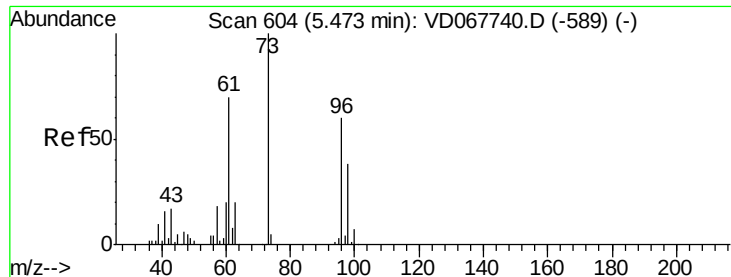
Tgt Ion: 43 Resp: 34655

Ion Ratio Lower Upper

43 100

74 33.3 29.7 44.5





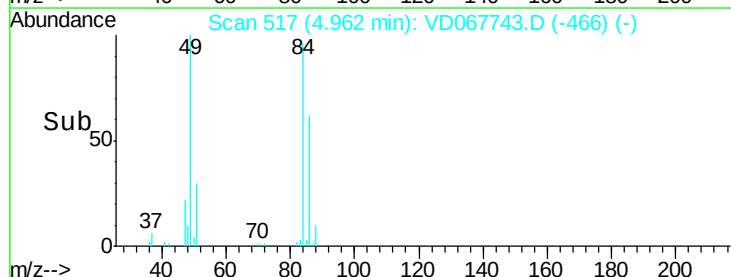
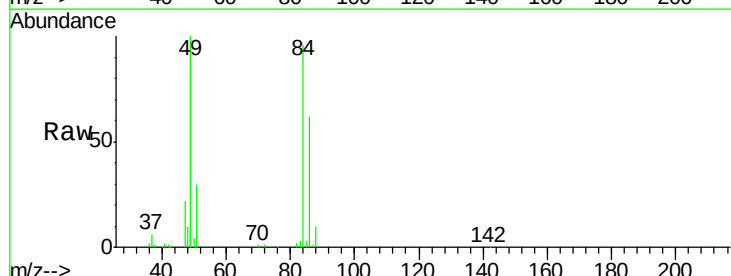
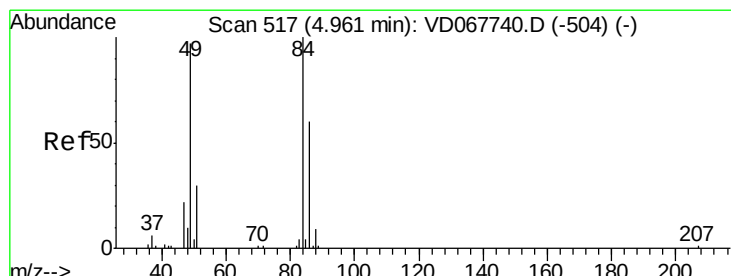
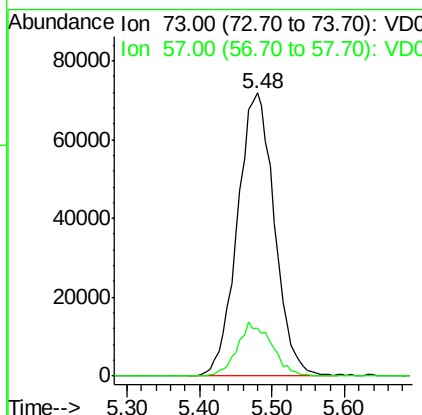
#19
Methyl tert-butyl Ether
Concen: 51.821 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tot Ion: 73 Resp: 253961
Ion Ratio Lower Upper
73 100
57 17.1 14.8 22.2

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

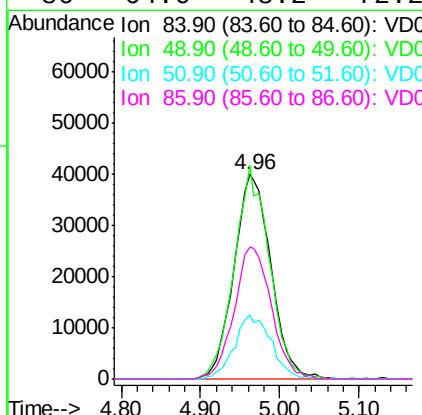
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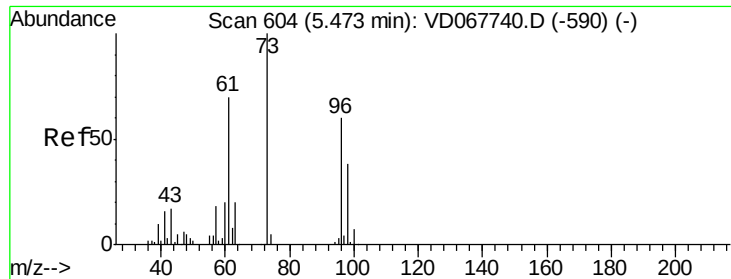
MMDadoda
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#20
Methylene Chloride
Concen: 48.294 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion: 84 Resp: 128910
Ion Ratio Lower Upper
84 100
49 104.5 77.4 116.2
51 31.6 24.1 36.1
86 64.6 48.2 72.2





#21

trans-1,2-Dichloroethene

Concen: 49.631 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

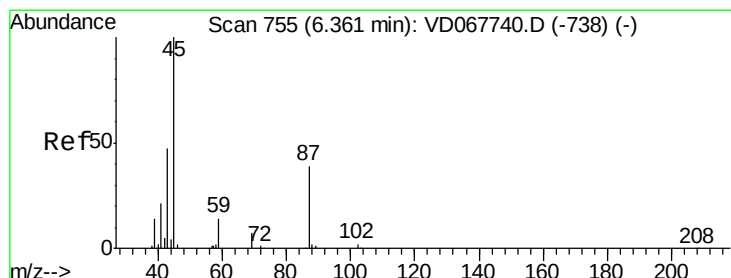
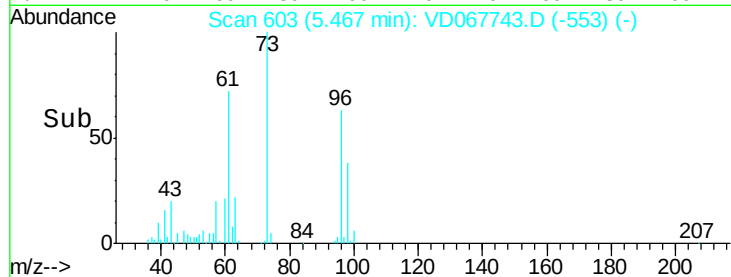
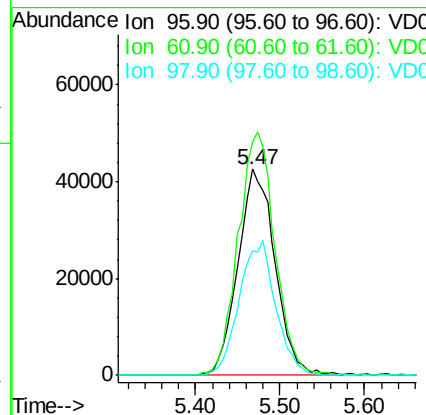
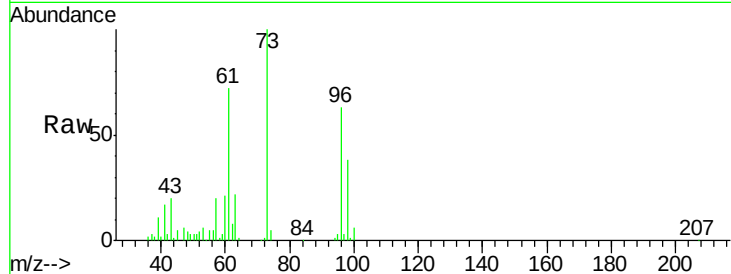
ClientSampleId :

ICVVD112320

Tot Ion:	96	Resp:	129389
Ion	Ratio	Lower	Upper
96	100		
61	113.6	94.0	141.0
98	60.7	51.3	76.9

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#22

Diisopropyl ether

Concen: 52.441 ug/l

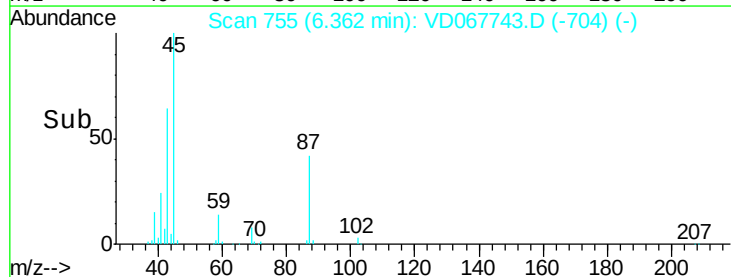
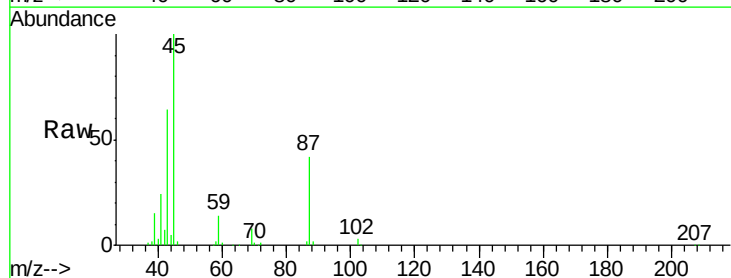
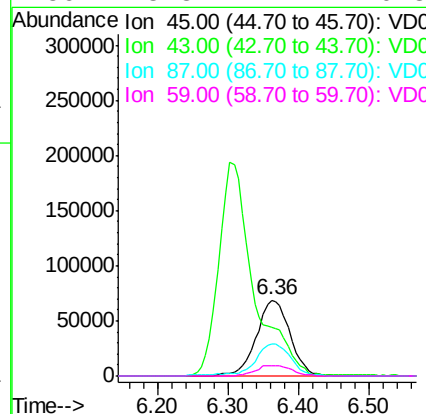
RT: 6.36 min Scan# 755

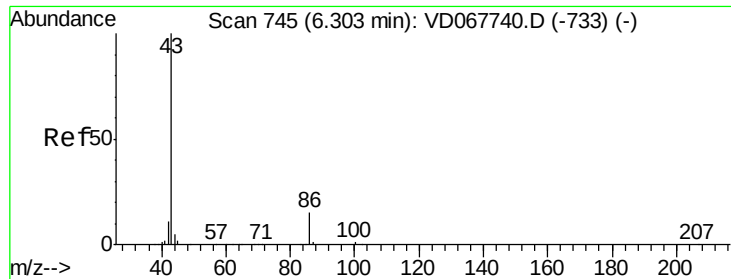
Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion:	45	Resp:	229458
Ion	Ratio	Lower	Upper
45	100		
43	63.3	46.8	70.2
87	41.9	32.9	49.3
59	13.3	11.2	16.8





#23

Vinyl Acetate

Concen: 271.474 ug/l

RT: 6.30 min Scan# 745

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 43 Resp: 670043

Ion Ratio Lower Upper

43 100

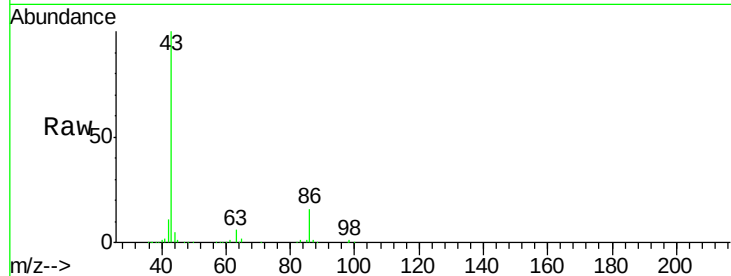
86 15.8 11.7 17.5

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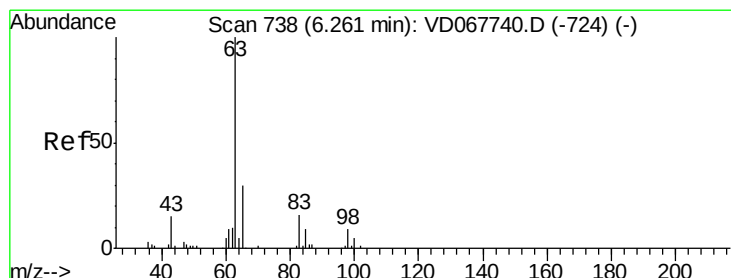
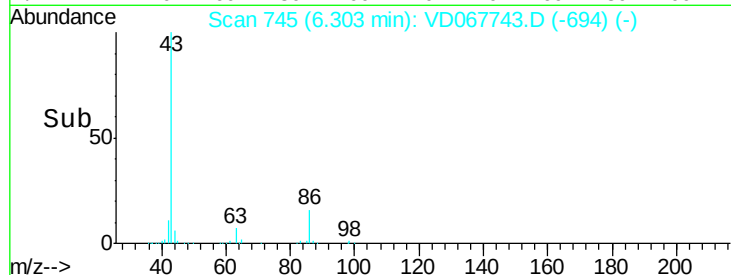
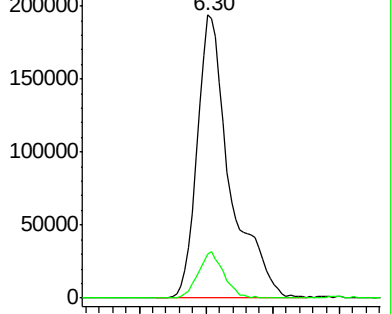
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.982 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

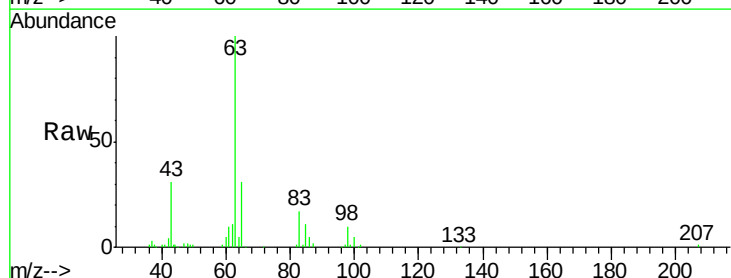
Tgt Ion: 63 Resp: 189126

Ion Ratio Lower Upper

63 100

98 10.1 4.4 13.2

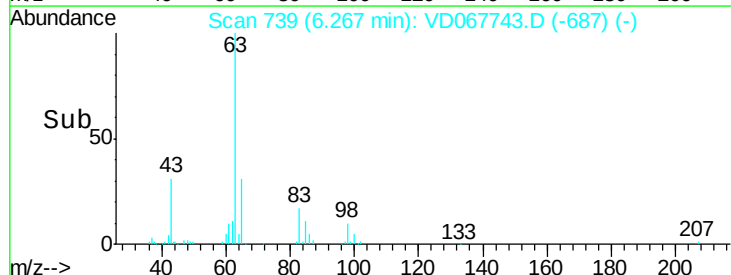
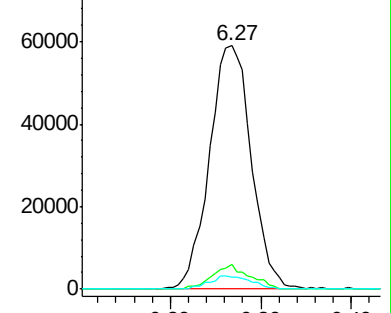
100 5.1 2.6 8.0

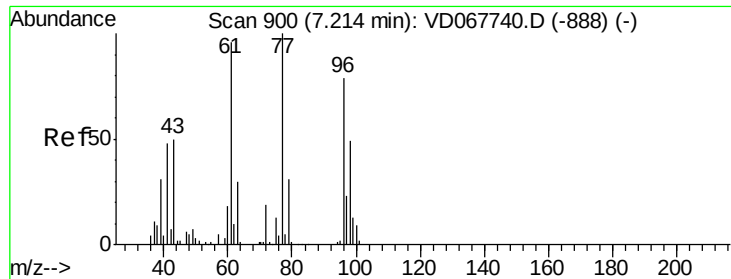


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 247.088 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 43 Resp: 97292

Ion Ratio Lower Upper

43 100

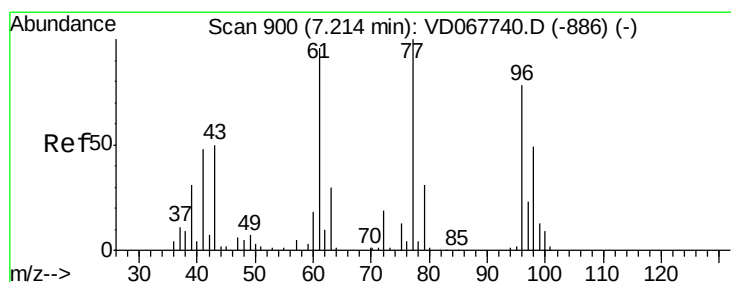
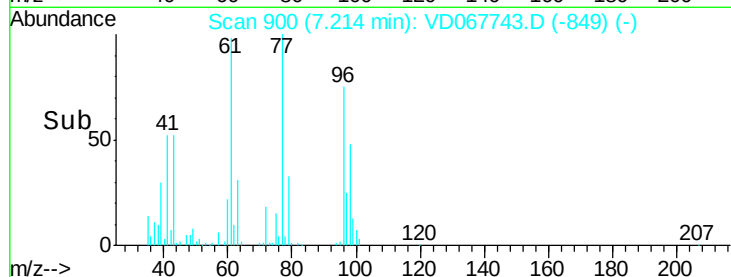
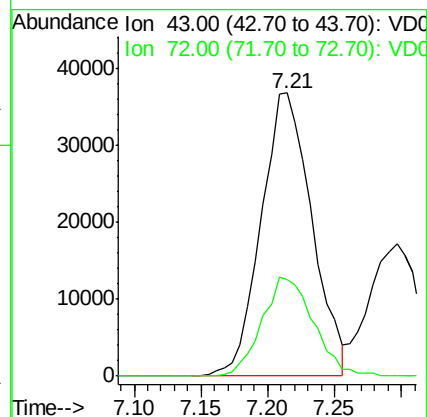
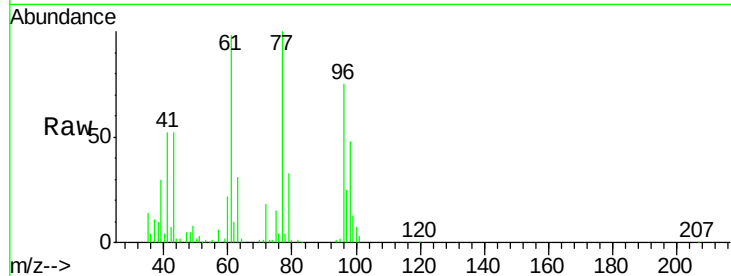
72 34.1 30.8 46.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 48.614 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067743.D

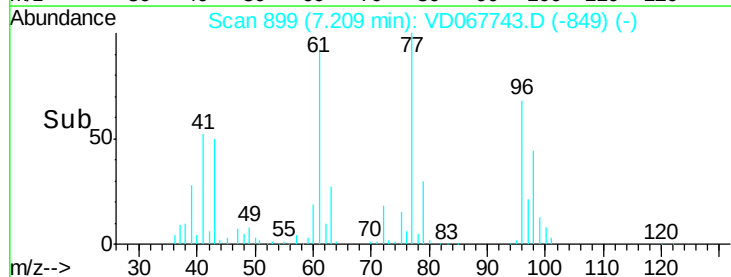
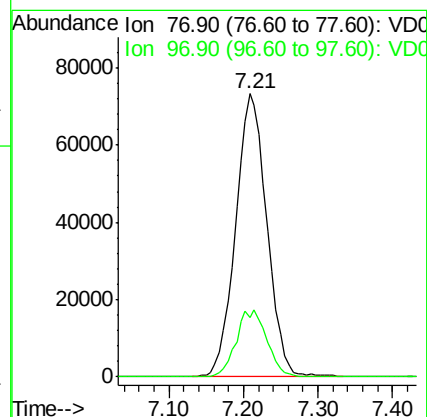
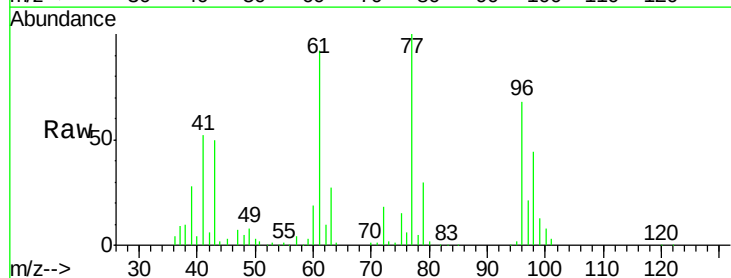
Acq: 23 Nov 2020 14:05

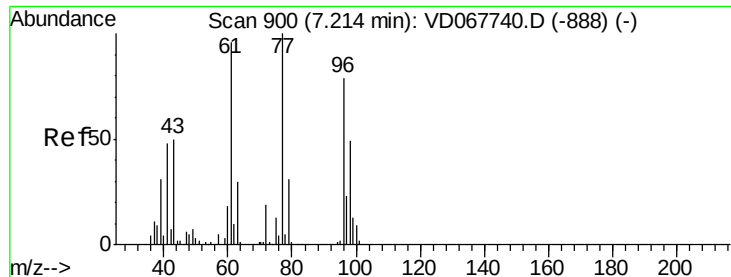
Tgt Ion: 77 Resp: 212752

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.3





#27

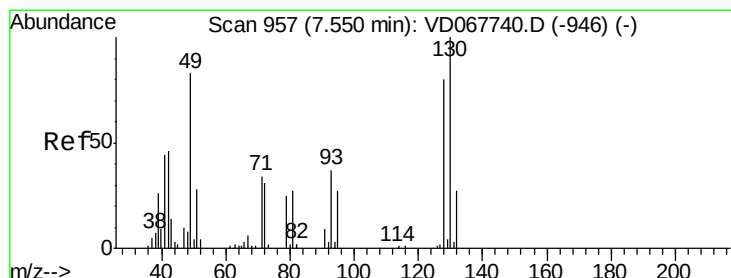
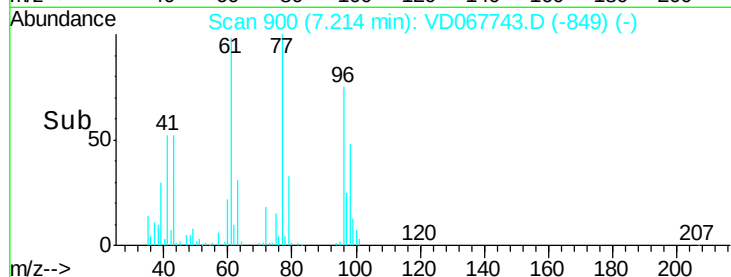
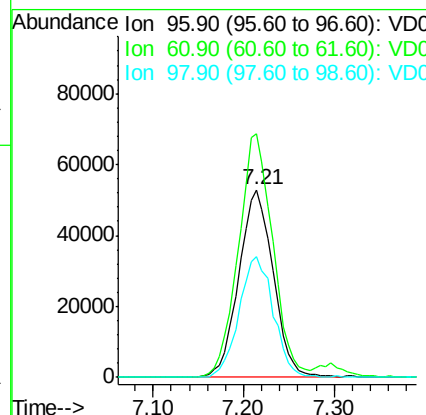
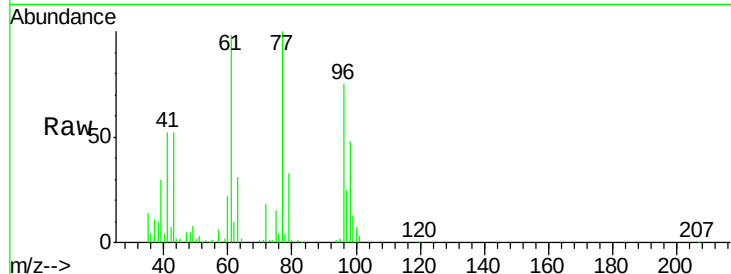
cis-1,2-Dichloroethene
Concen: 50.241 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Resp	Lower	Upper
96	100	139609		
61	129.8	0.0	258.0	
98	64.3	0.0	131.8	

Manual Integrations
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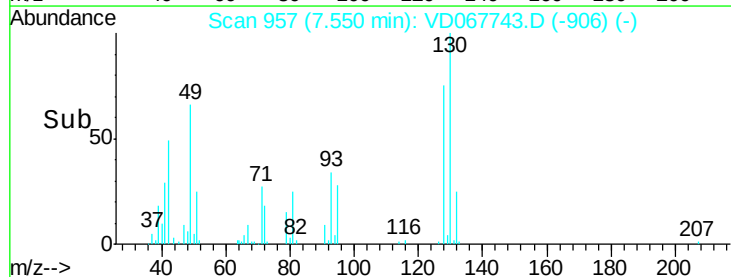
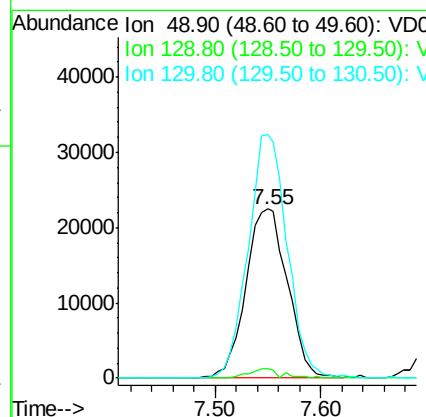
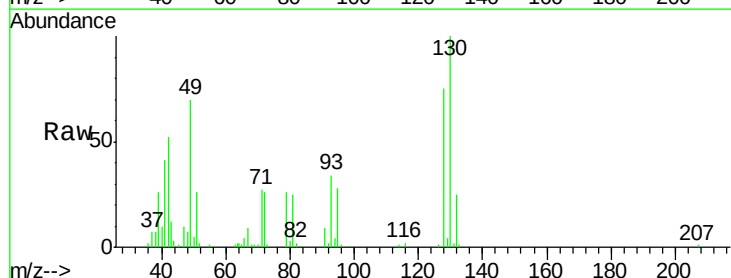
MMDadoda
11/24/2020 2:56:37 PM

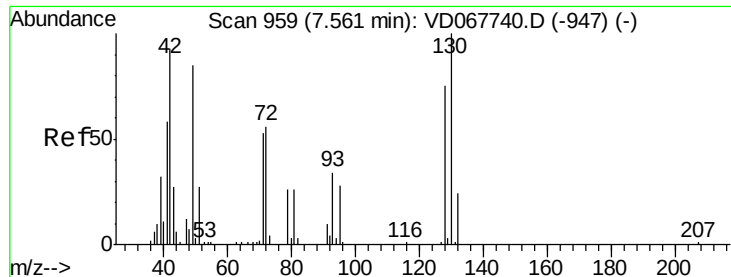


#28

Bromochloromethane
Concen: 51.785 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	61535		
129	3.2	0.0	7.0	
130	135.6	102.2	153.4	





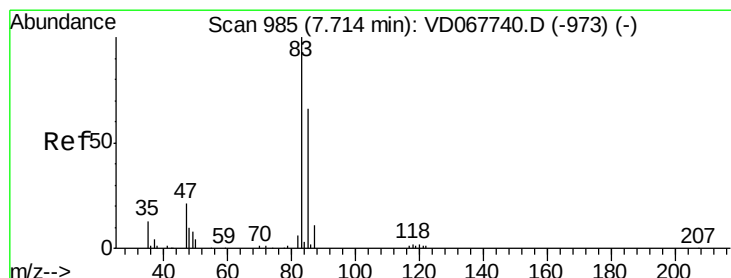
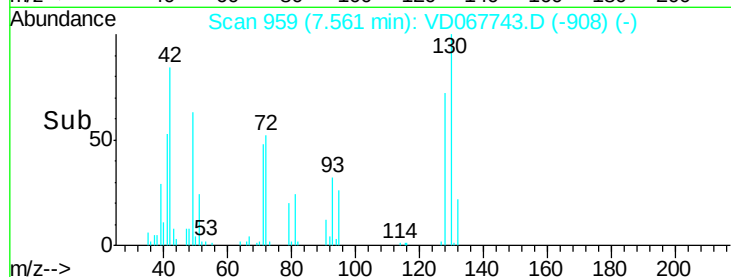
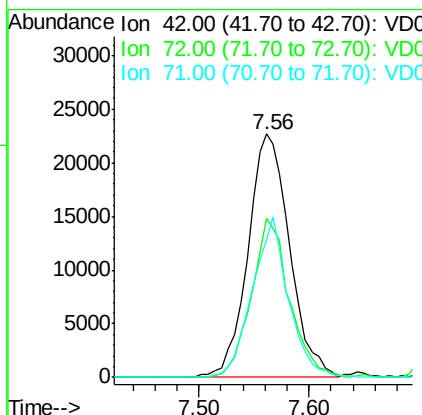
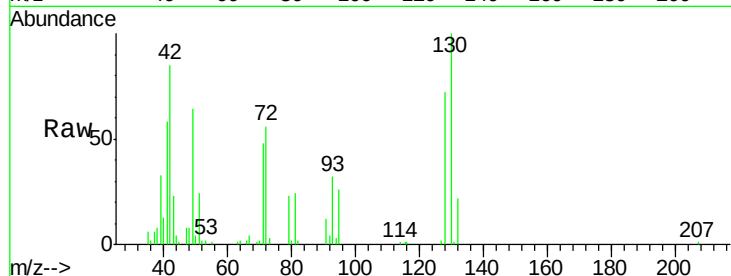
#29
Tetrahydrofuran
Concen: 266.820 ug/l
RT: 7.56 min Scan# 959
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.6	49.3	73.9
71	57.3	45.9	68.9

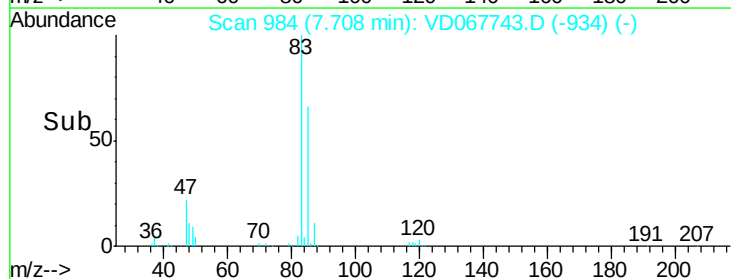
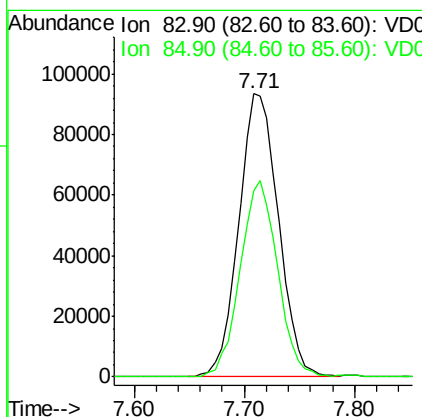
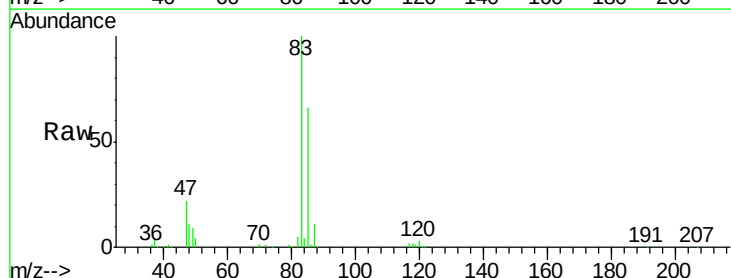
Manual Integrations
APPROVED

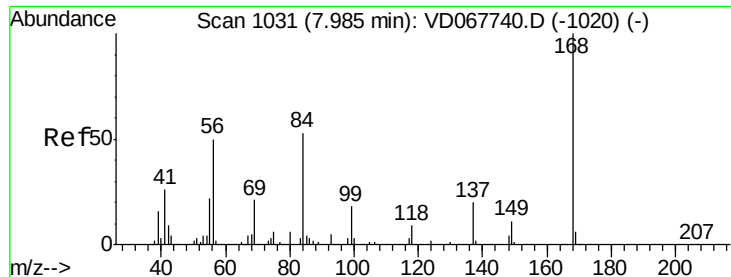
MMDadoda
11/24/2020 2:56:37 PM



#30
Chloroform
Concen: 48.654 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.9	53.1	79.7





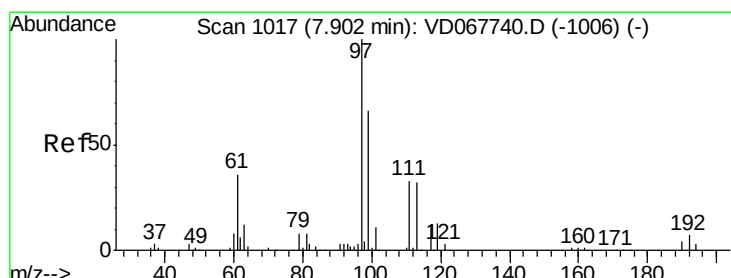
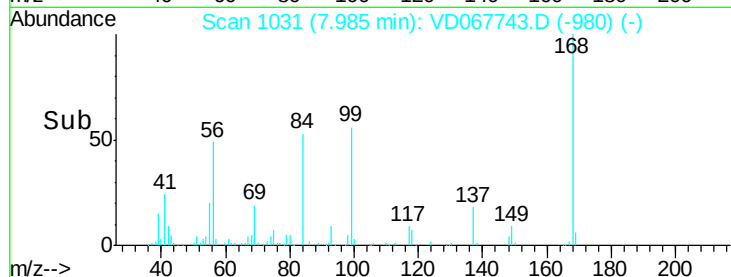
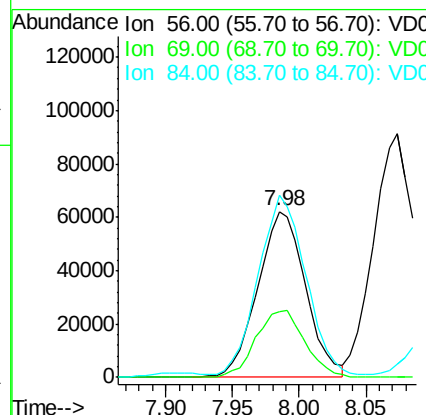
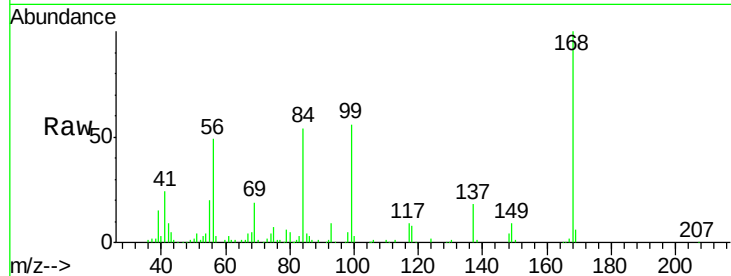
#31
Cyclohexane
Concen: 46.894 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.4	33.2	49.8
84	108.1	84.8	127.2

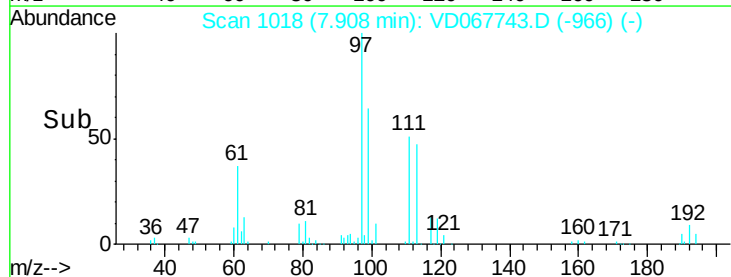
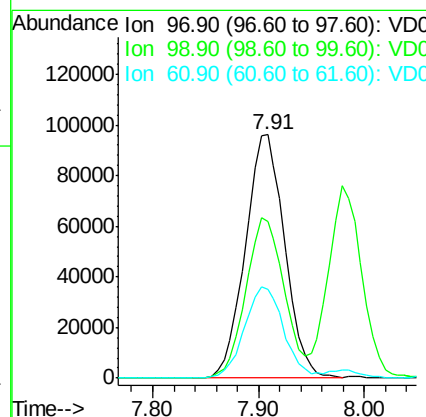
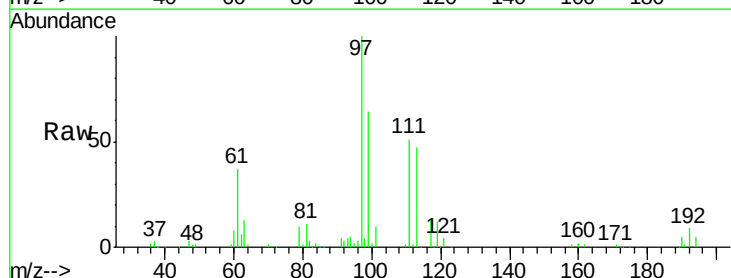
Manual Integrations
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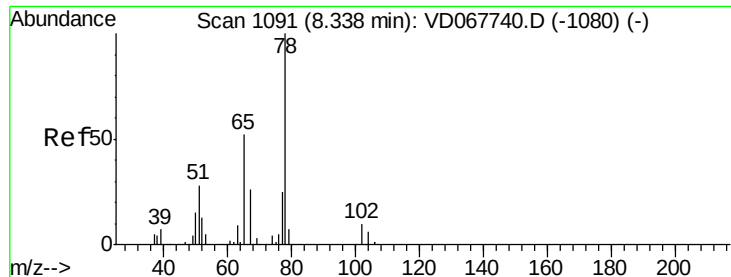
MMDadoda
11/24/2020 2:56:37 PM



#32
1,1,1-Trichloroethane
Concen: 48.458 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.1	76.7
61	37.6	29.4	44.2





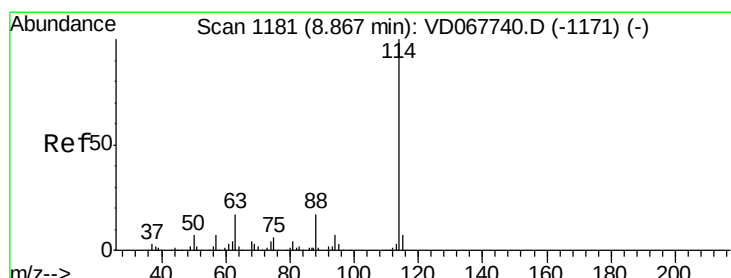
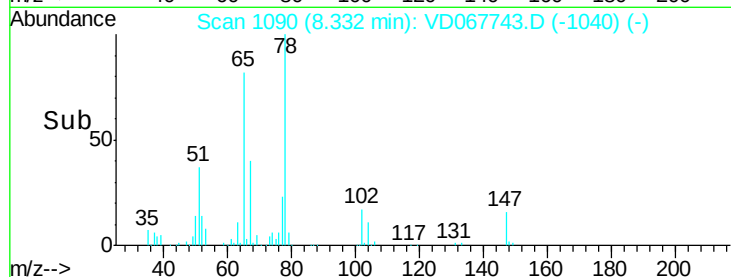
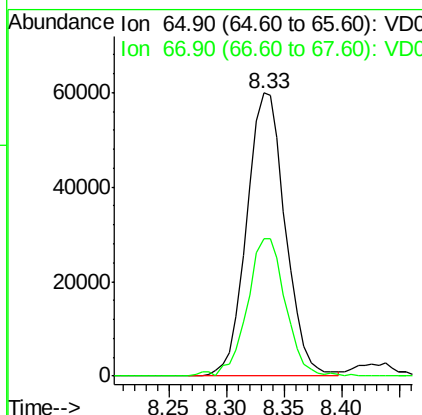
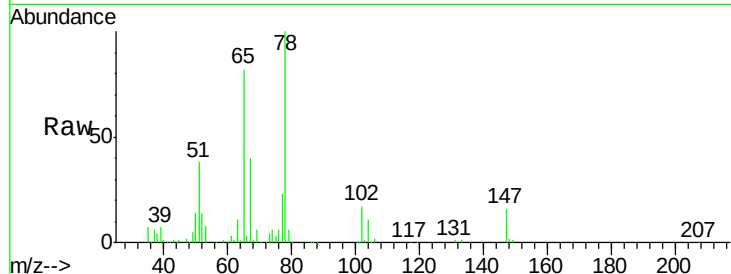
#33
 1,2-Dichloroethane-d4
 Concen: 51.434 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Tot Ion	Ratio	Resp	Lower	Upper
65	100	139704		
67	48.2	0.0	101.0	

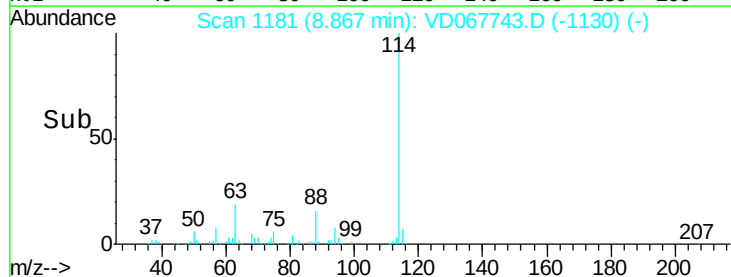
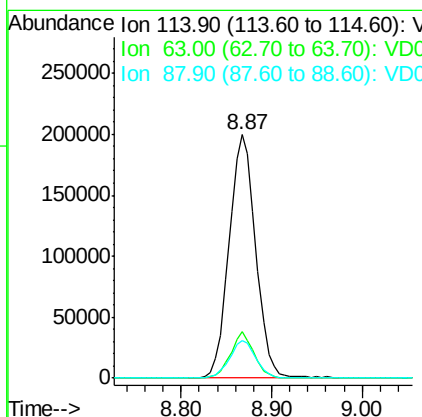
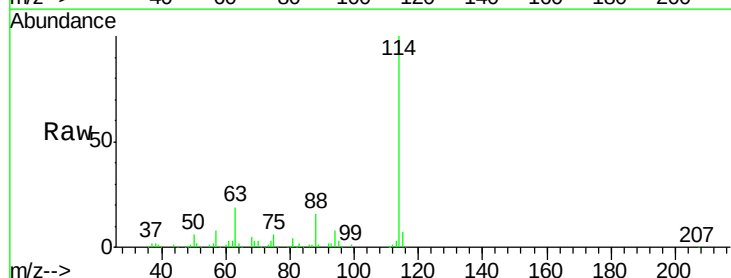
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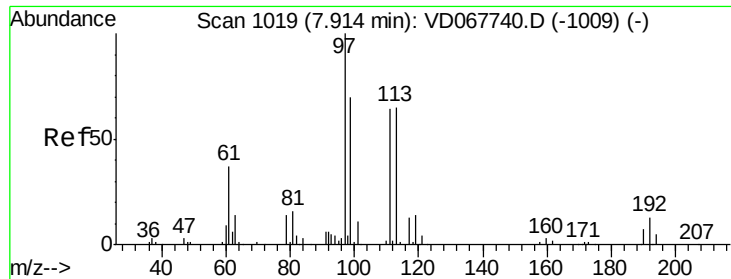
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 11/24/2020 2:56:37 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	407633		
63	19.0	0.0	34.8	
88	15.7	0.0	34.4	





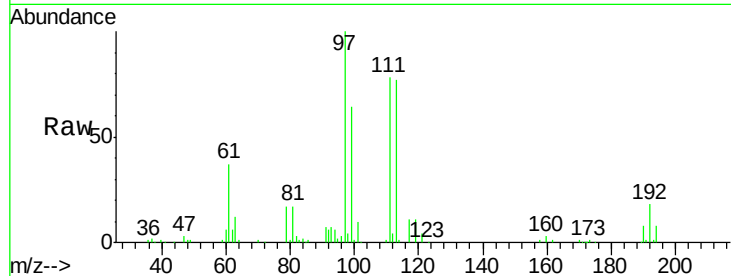
#35
Dibromofluoromethane
Concen: 51.067 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Resp	Lower	Upper
113	100	132476		
111	102.5	81.4	122.0	
192	21.3	17.0	25.4	

Manual Integrations
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11/24/2020 2:56:37 PM

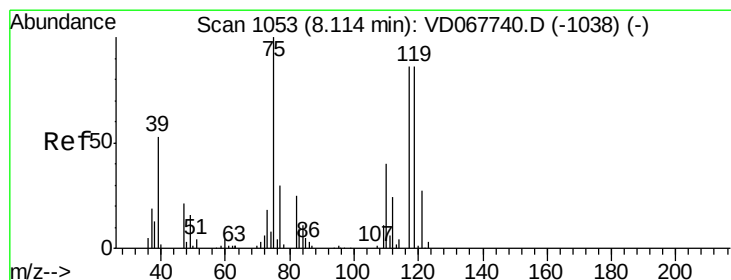
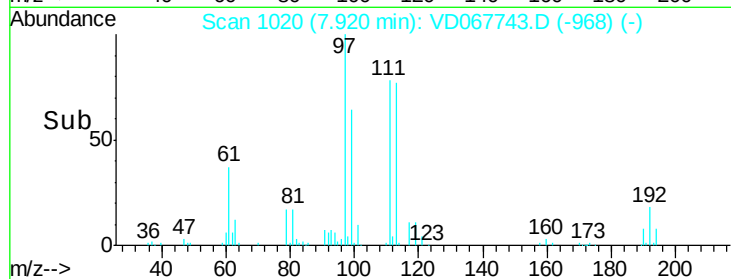
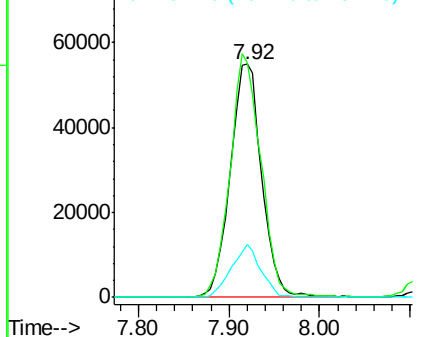


Abundance

Ion 112.80 (112.50 to 113.50): V

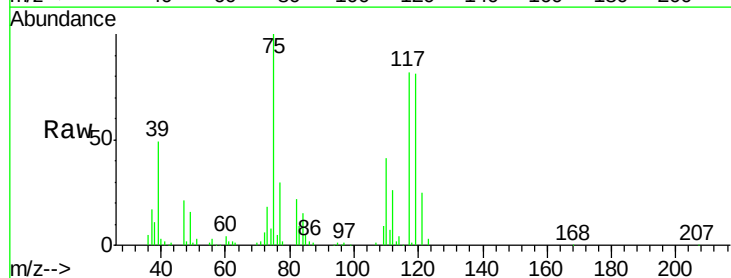
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
1,1-Dichloropropene
Concen: 49.322 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	172526		
110	40.0	20.1	60.2	
77	31.1	24.8	37.2	

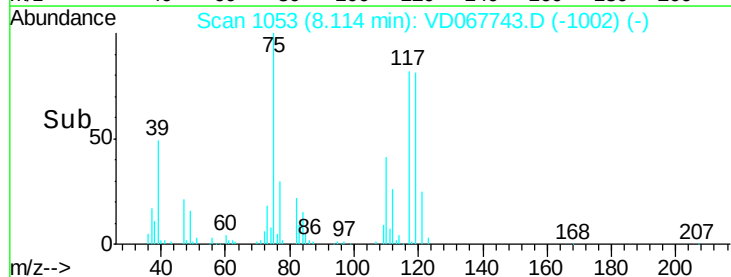
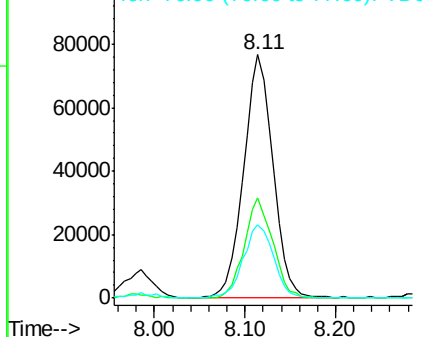


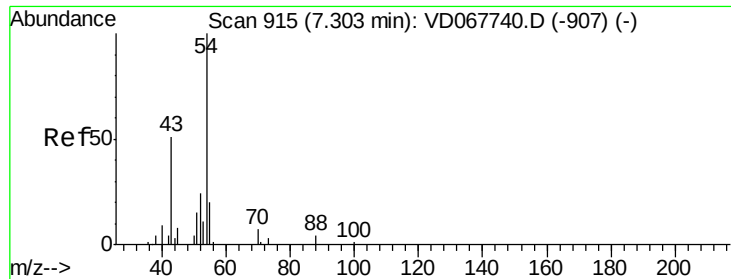
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





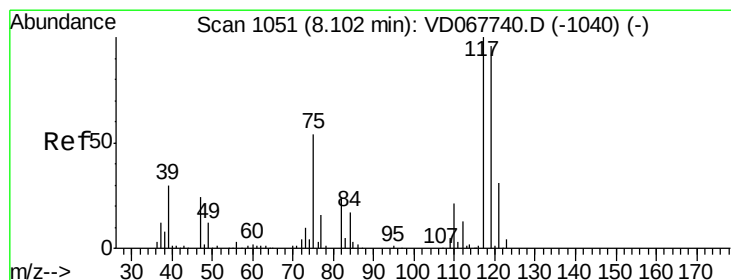
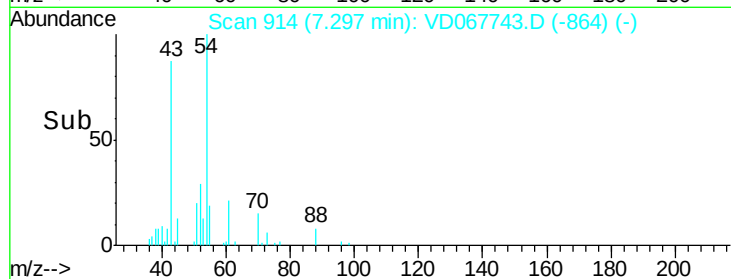
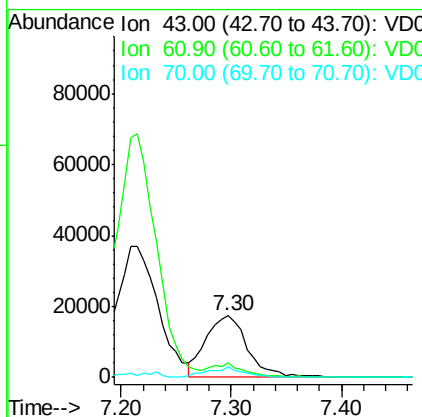
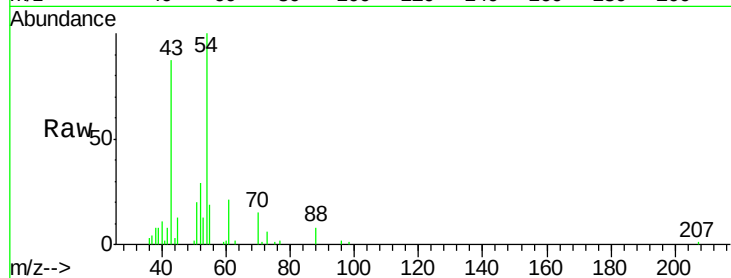
#37
Ethyl Acetate
Concen: 48.426 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	43	Ratio	Lower	Upper
43	100			
61	18.2	12.9	19.3	
70	14.0	12.2	18.2	

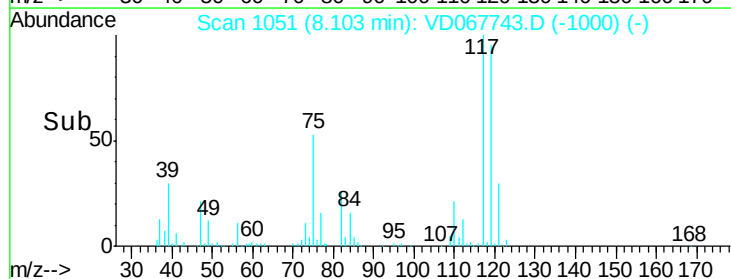
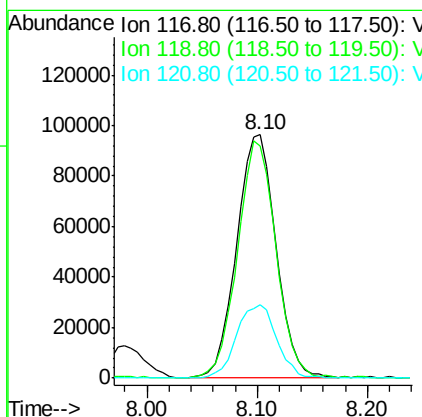
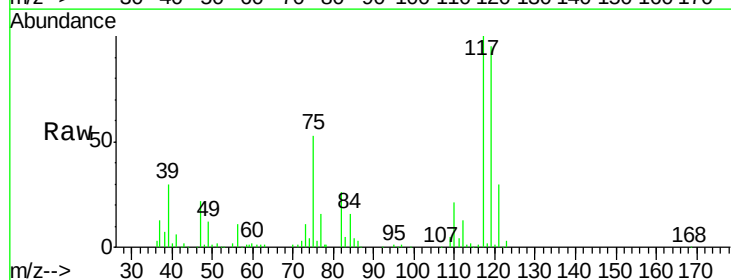
Manual Integrations
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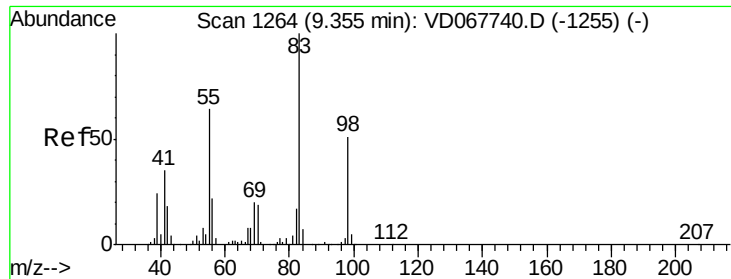
MMDadoda
11/24/2020 2:56:37 PM



#38
Carbon Tetrachloride
Concen: 47.727 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	117	Ratio	Lower	Upper
117	100			
119	95.1	76.6	115.0	
121	30.1	24.5	36.7	





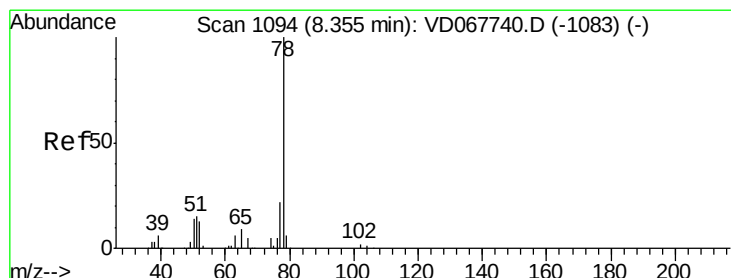
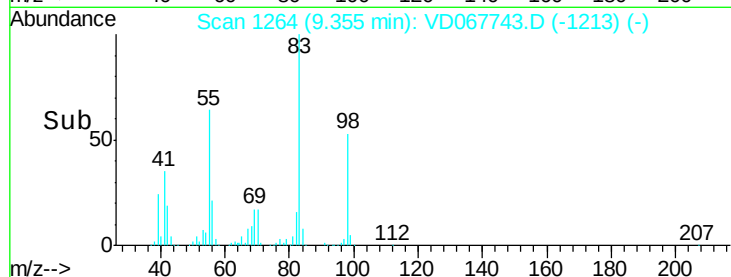
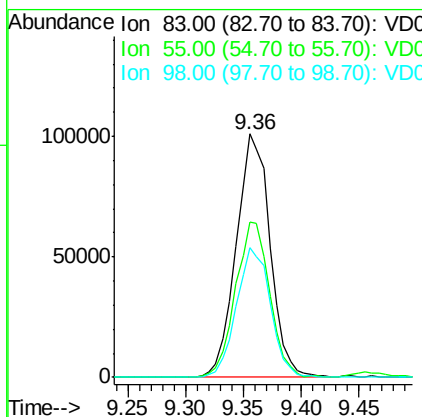
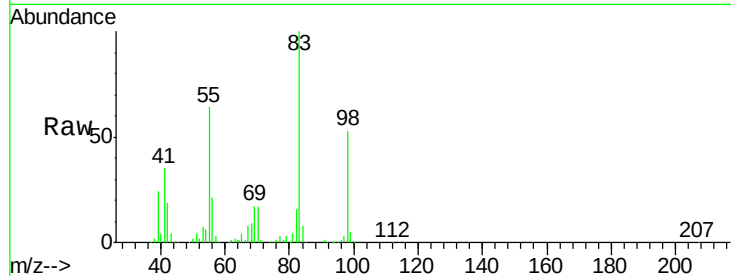
#39
Methylvlcyclohexane
Concen: 49.675 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.0	51.0	76.4
98	53.3	40.4	60.6

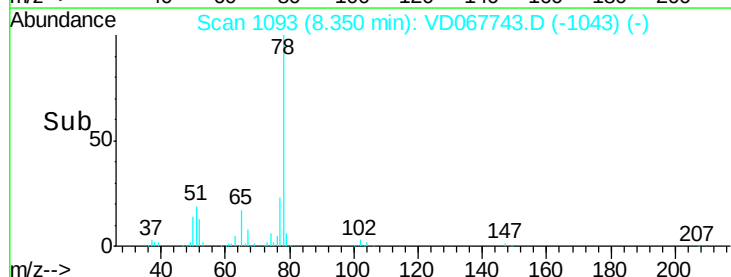
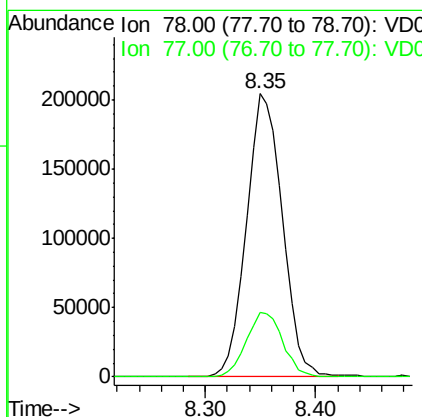
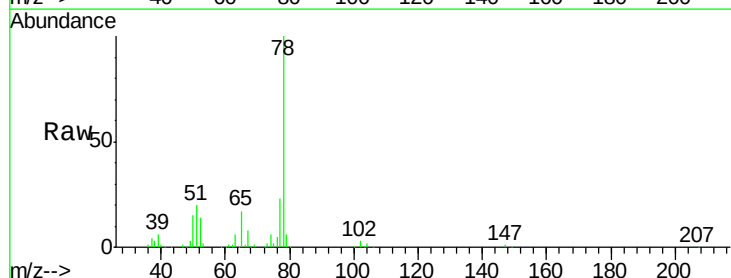
Manual Integrations
APPROVED

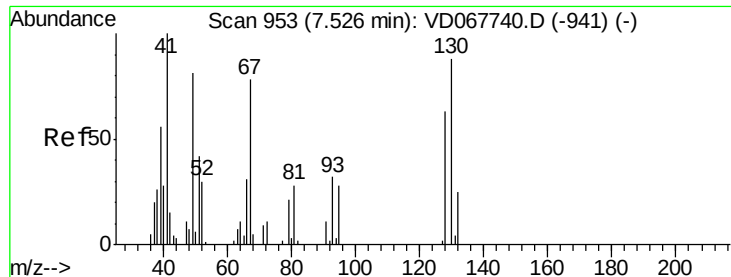
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11/24/2020 2:56:37 PM



#40
Benzene
Concen: 48.693 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	17.8	26.6





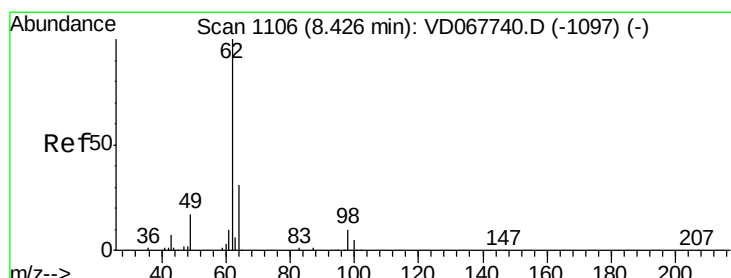
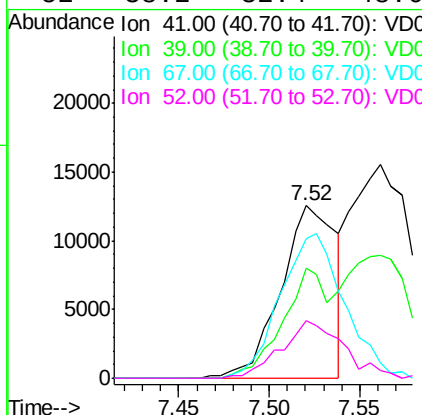
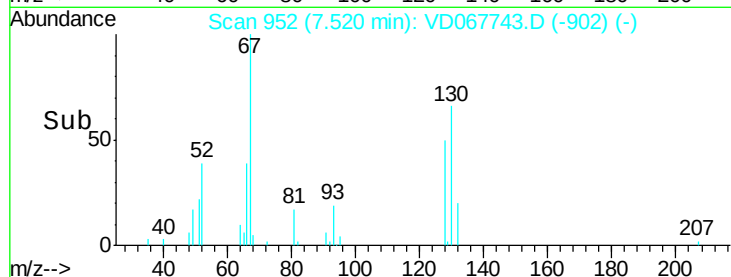
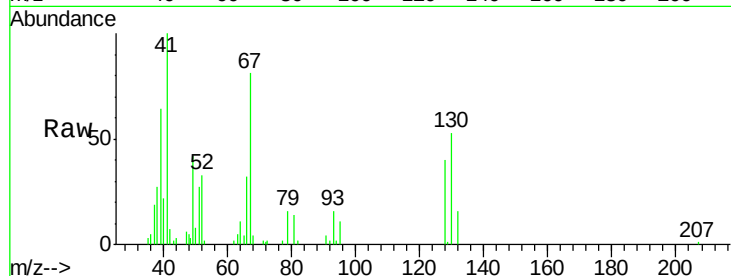
#41
Methacrylonitrile
Concen: 55.252 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion:	41	Resp:	26537
Ion	Ratio	Lower	Upper
41	100		
39	50.5	50.2	75.4
67	98.3	79.0	118.6
52	38.2	32.4	48.6

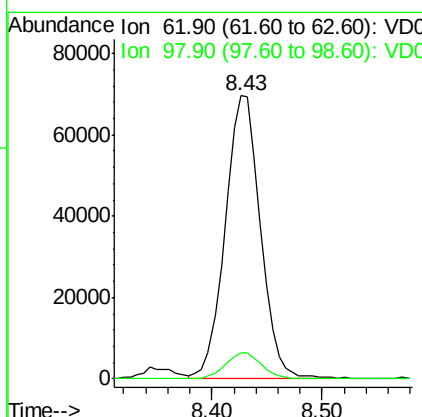
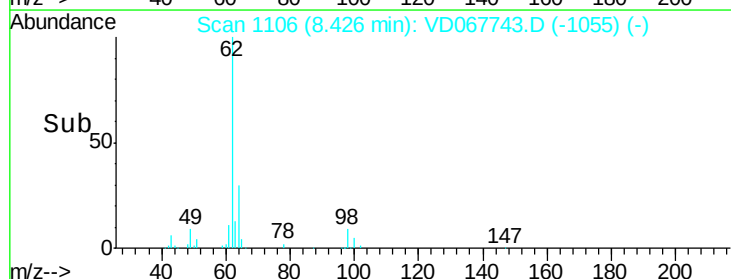
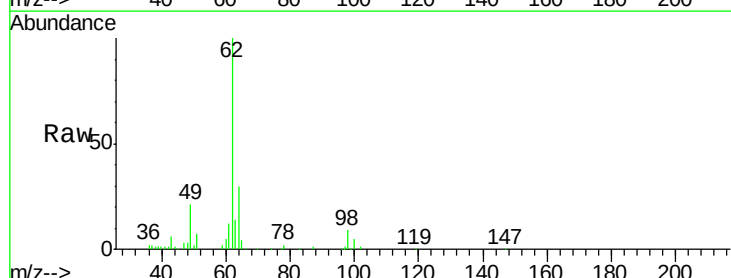
Manual Integrations
APPROVED

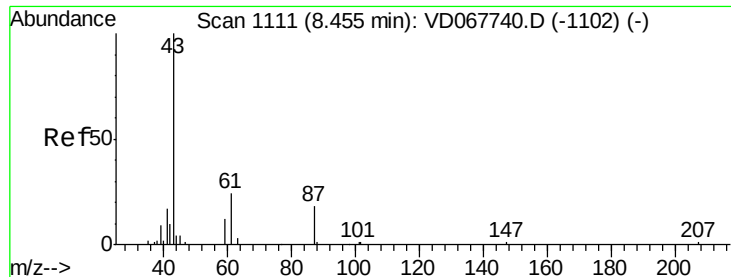
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11/24/2020 2:56:37 PM



#42
1,2-Dichloroethane
Concen: 47.822 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion:	62	Resp:	155886
Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.2





#43

Isopropyl Acetate

Concen: 49.370 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

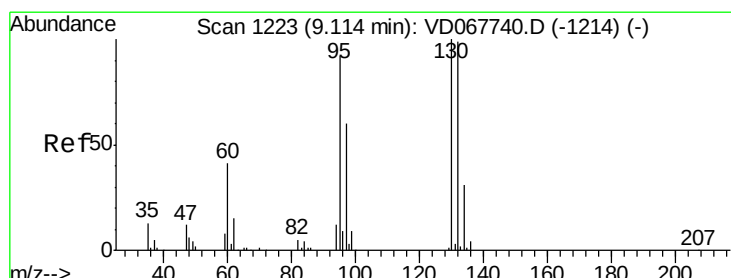
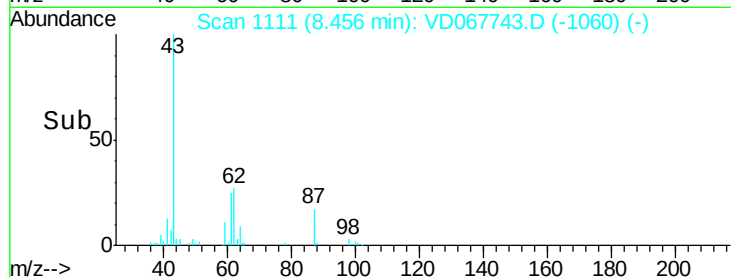
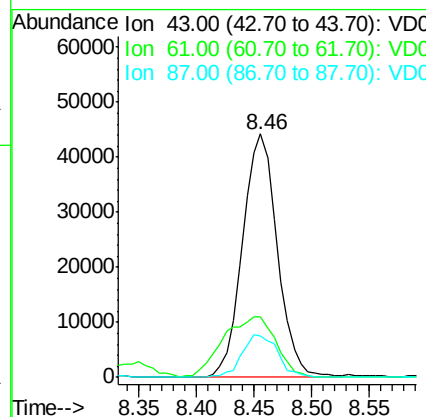
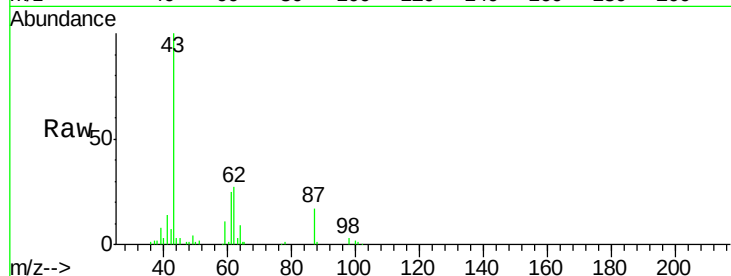
ClientSampleId :

ICVVD112320

Tot Ion:	43	Resp:	92733
Ion	Ratio	Lower	Upper
43	100		
61	37.7	30.2	45.4
87	18.0	14.2	21.4

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#44

Trichloroethene

Concen: 46.999 ug/l

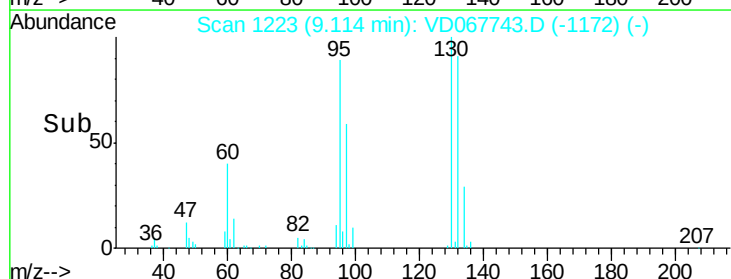
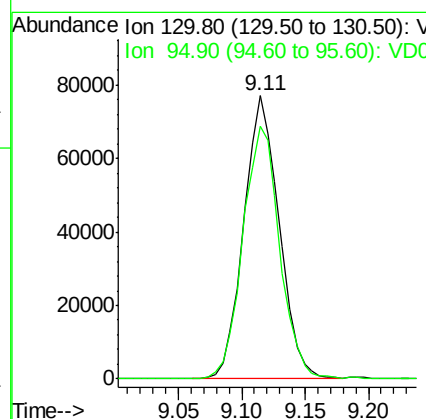
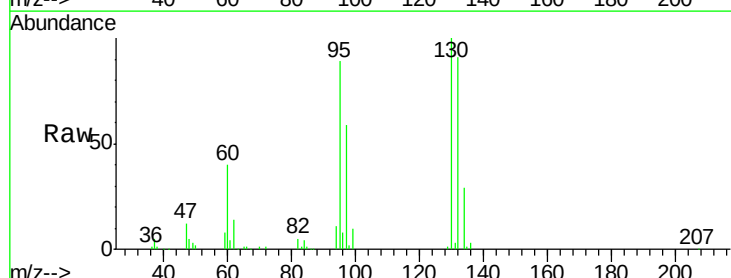
RT: 9.11 min Scan# 1223

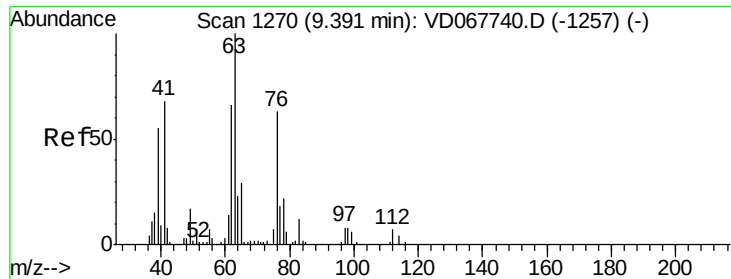
Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion:	130	Resp:	149645
Ion	Ratio	Lower	Upper
130	100		
95	89.2	0.0	184.2





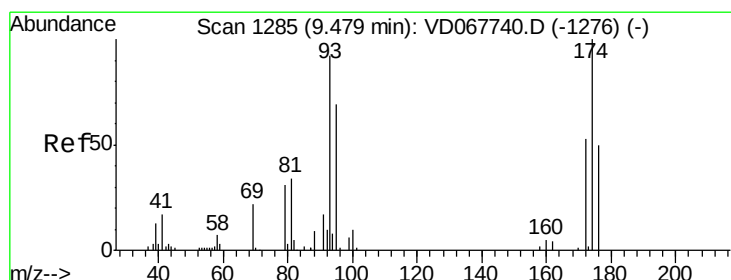
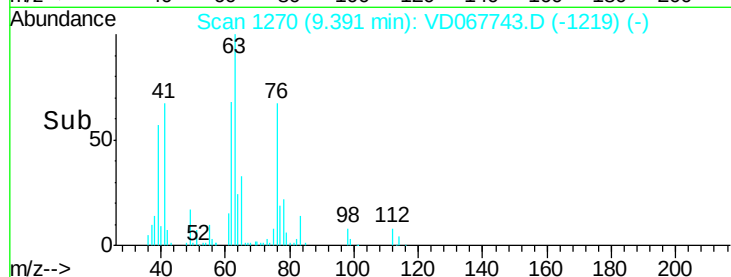
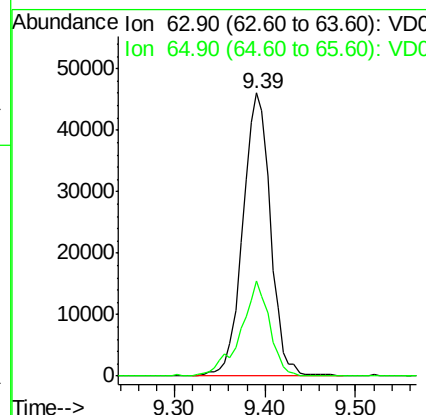
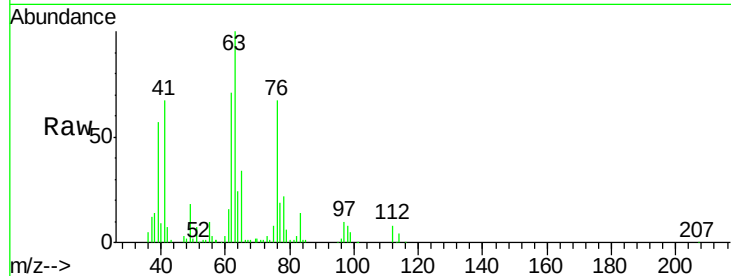
#45
 1,2-Dichloropropane
 Concen: 49.389 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Tot Ion: 63 Resp: 97359
 Ion Ratio Lower Upper
 63 100
 65 33.6 23.1 34.7

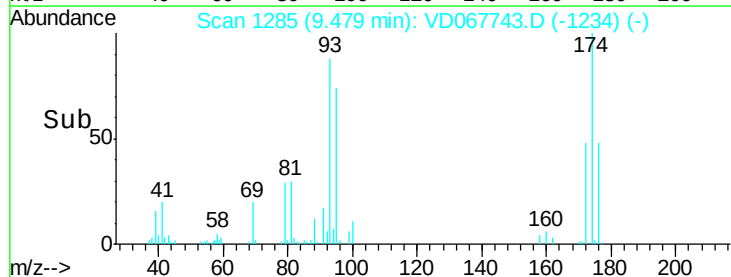
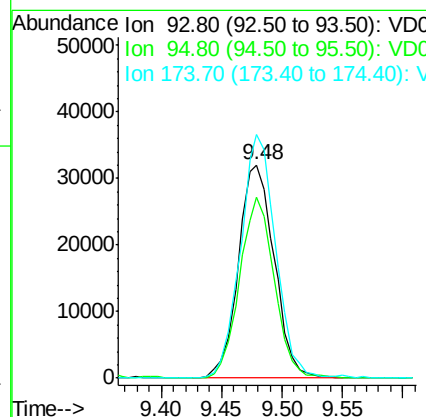
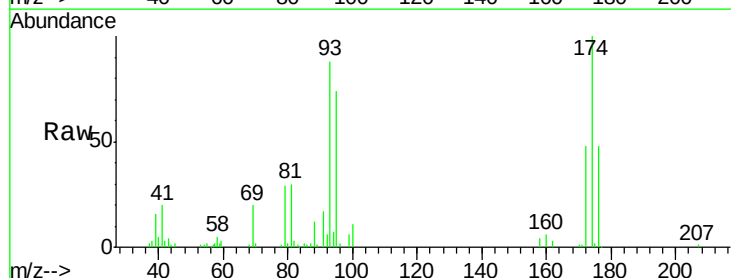
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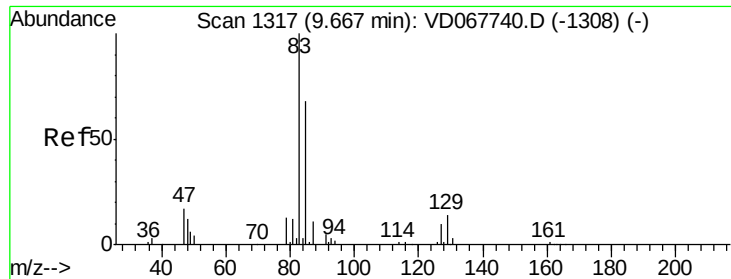
MMDadoda
 11/24/2020 2:56:37 PM



#46
 Dibromomethane
 Concen: 49.333 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Tgt Ion: 93 Resp: 66208
 Ion Ratio Lower Upper
 93 100
 95 82.0 63.4 95.2
 174 111.9 89.6 134.4





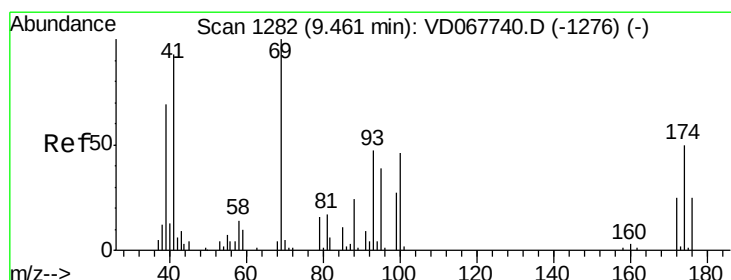
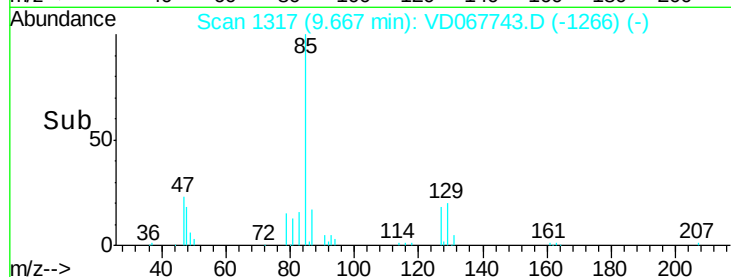
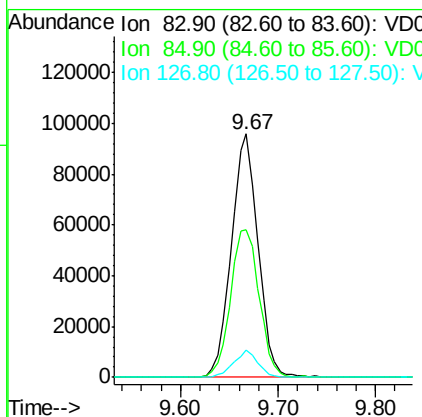
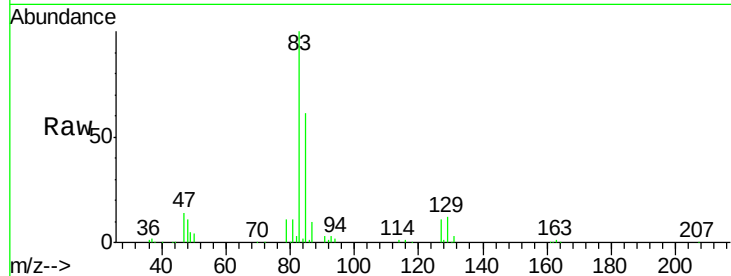
#47
Bromodichloromethane
Concen: 48.797 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Lower	Upper
83	100		
85	60.9	54.2	81.2
127	11.0	7.6	11.4

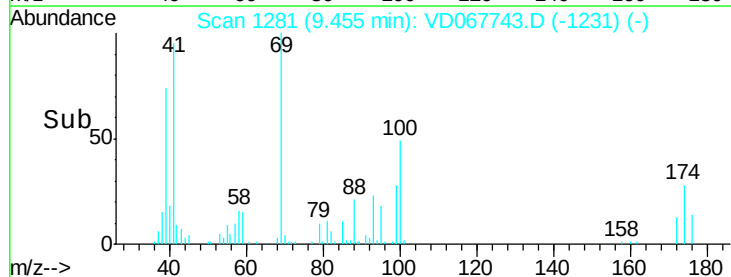
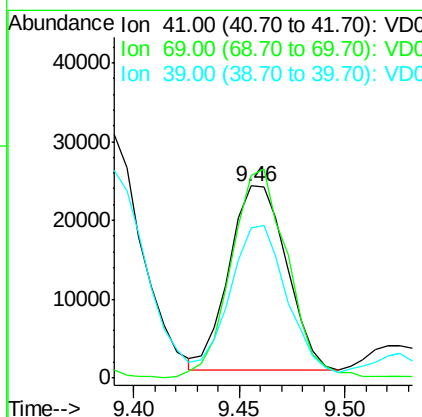
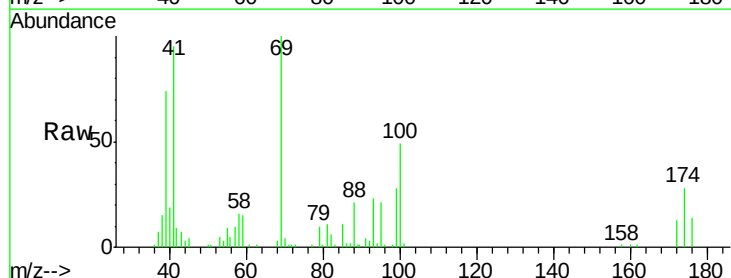
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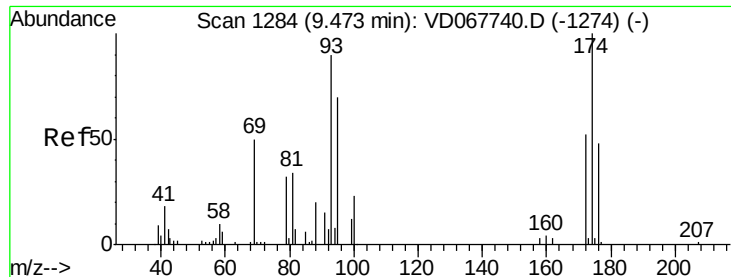
MMDadoda
11/24/2020 2:56:37 PM



#48
Methyl methacrylate
Concen: 47.120 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
41	100		
69	111.7	87.8	131.6
39	76.9	60.5	90.7





#49

1,4-Dioxane

Concen: 1000.675 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

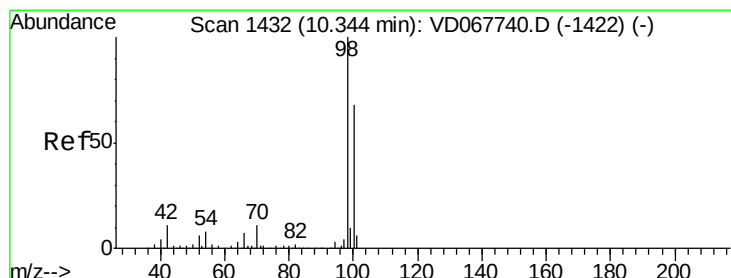
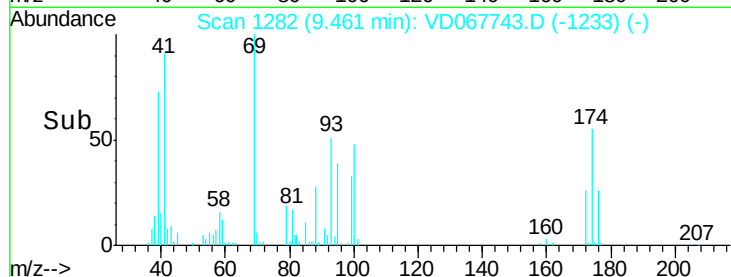
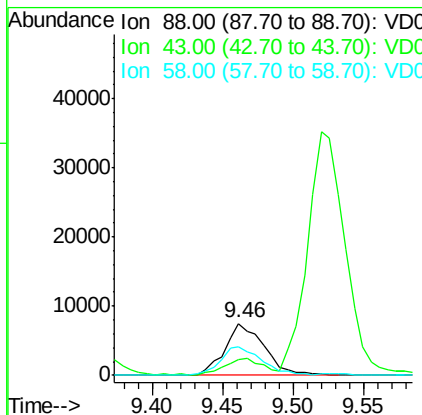
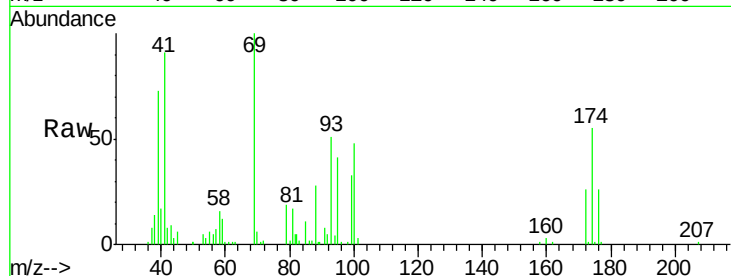
ClientSampleId :

ICVVD112320

Tot Ion:	88	Resp:	14554
Ion	Ratio	Lower	Upper
88	100		
43	32.3	25.2	37.8
58	58.2	48.2	72.2

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#50

Toluene-d8

Concen: 51.024 ug/l

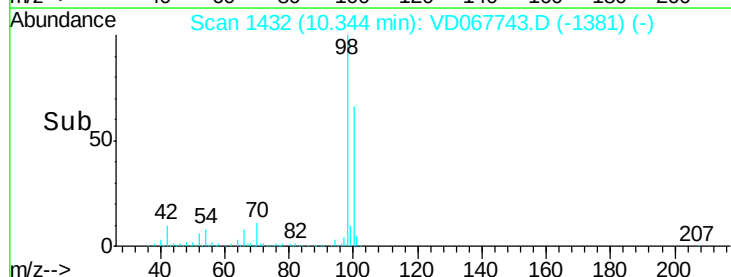
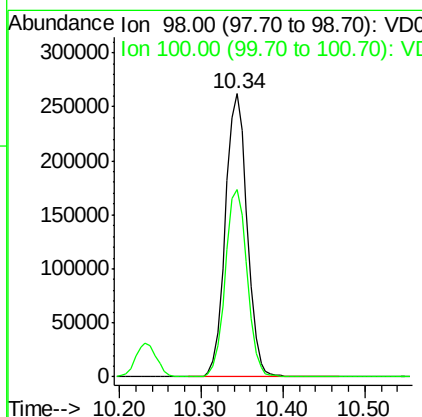
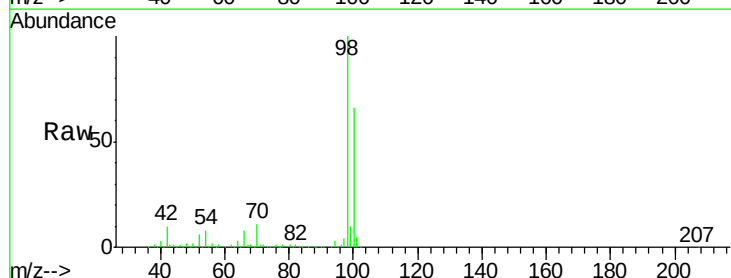
RT: 10.34 min Scan# 1432

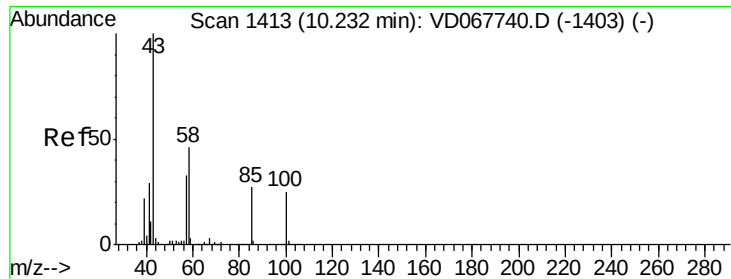
Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion:	98	Resp:	483935
Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 250.821 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 43 Resp: 221691

Ion Ratio Lower Upper

43 100

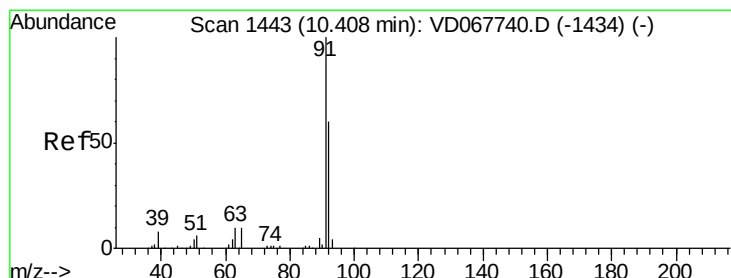
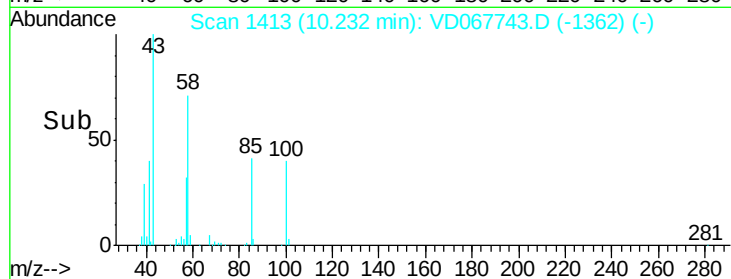
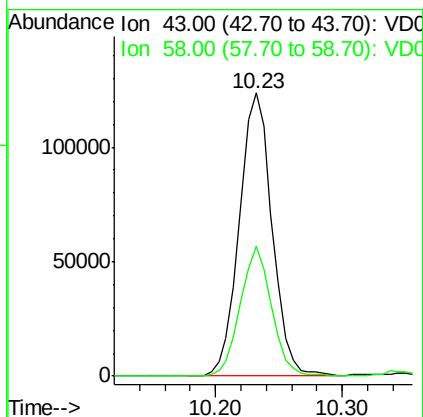
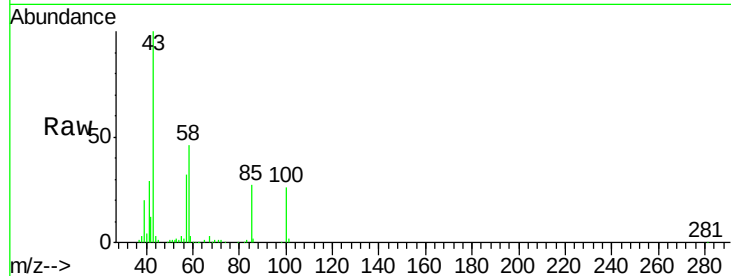
58 43.8 34.7 52.1

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#52

Toluene

Concen: 50.003 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067743.D

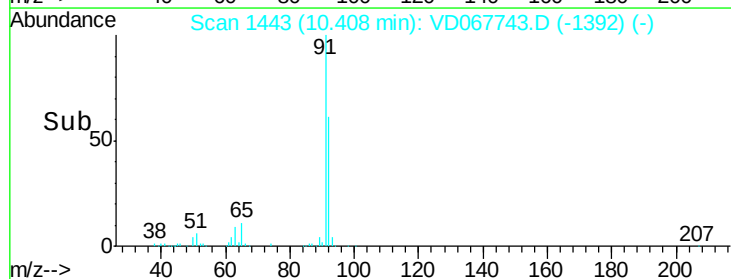
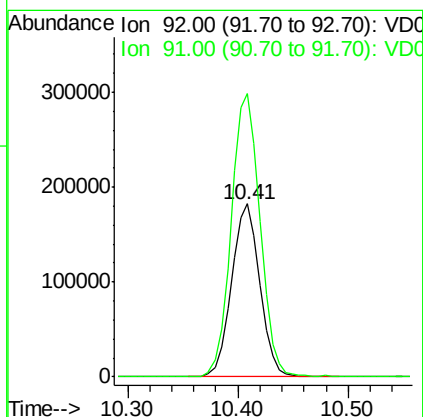
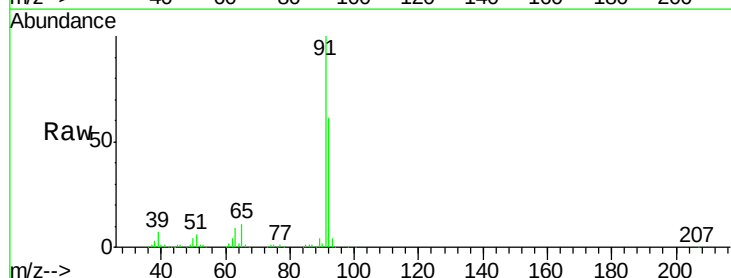
Acq: 23 Nov 2020 14:05

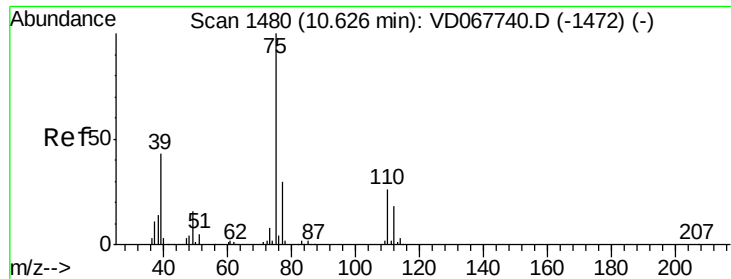
Tgt Ion: 92 Resp: 325881

Ion Ratio Lower Upper

92 100

91 167.8 135.4 203.0





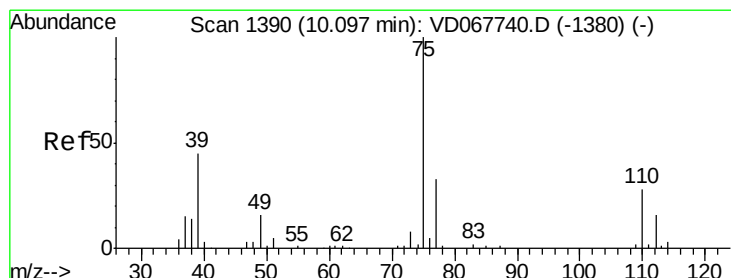
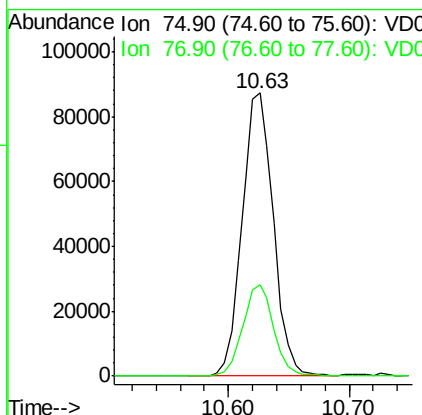
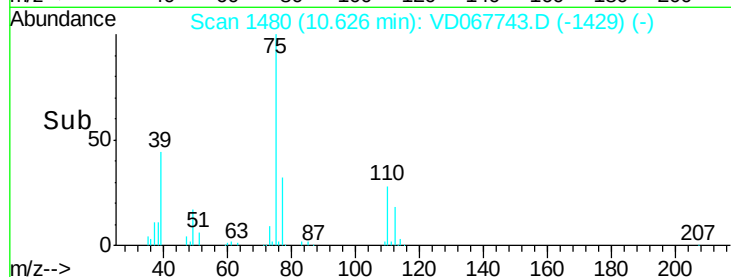
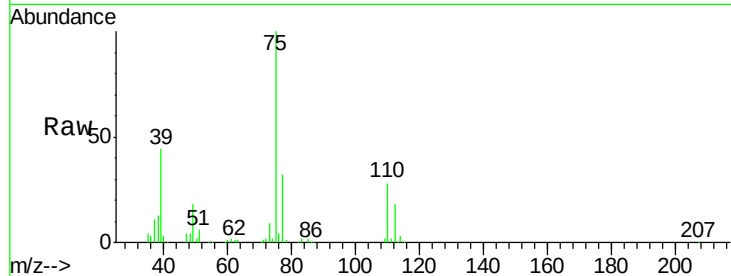
#53
t-1,3-Dichloropropene
Concen: 48.145 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion: 75 Resp: 157196
Ion Ratio Lower Upper
75 100
77 32.3 24.2 36.4

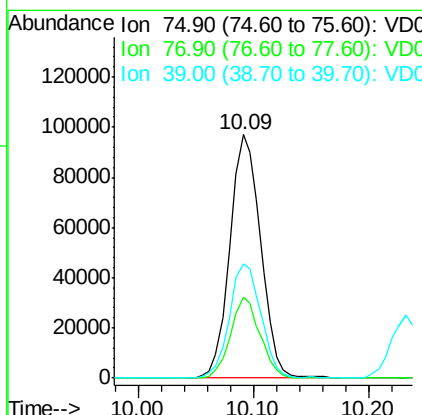
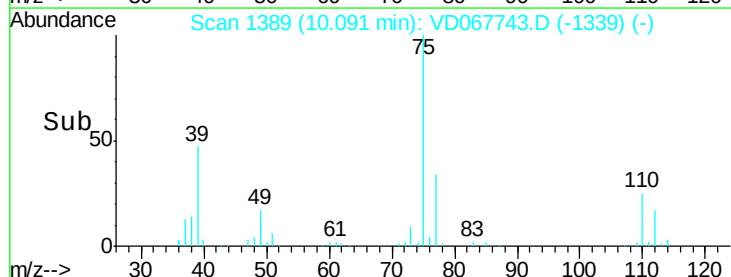
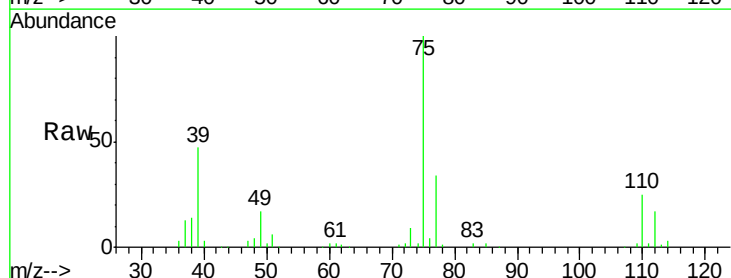
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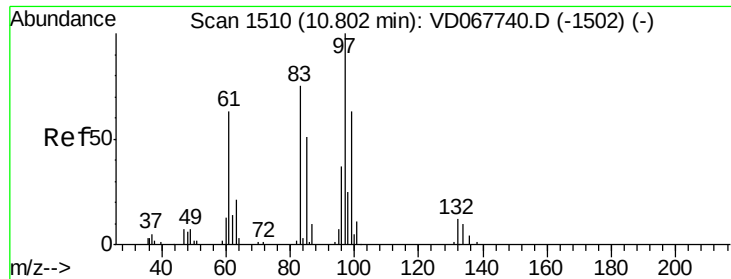
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#54
cis-1,3-Dichloropropene
Concen: 48.513 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion: 75 Resp: 179259
Ion Ratio Lower Upper
75 100
77 33.5 26.1 39.1
39 46.6 35.8 53.6





#55

1,1,2-Trichloroethane

Concen: 48.409 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

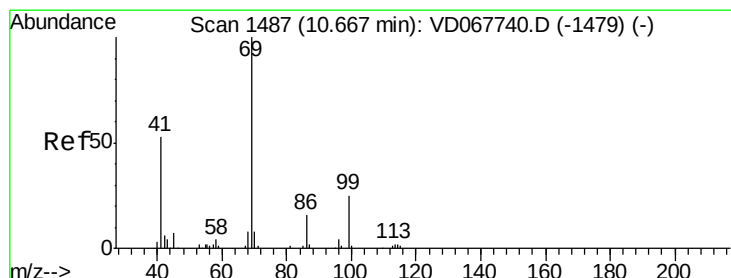
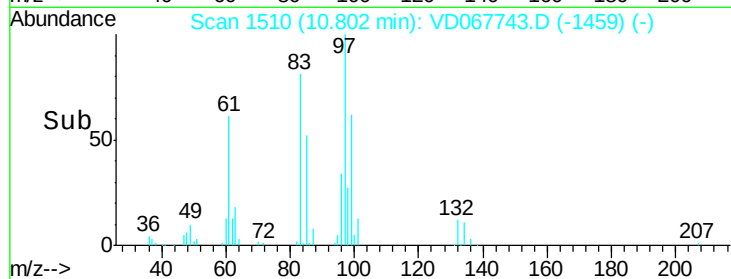
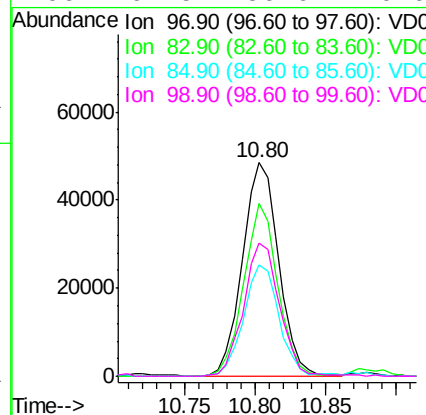
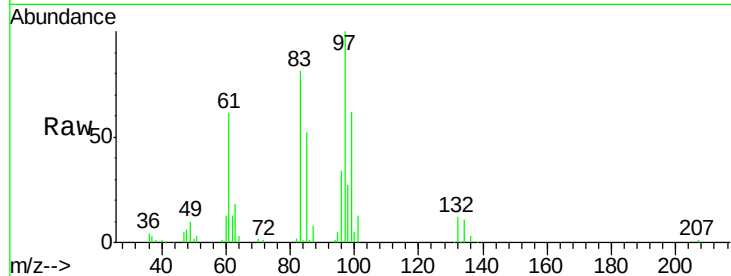
ClientSampleId :

ICVVD112320

Tot Ion:	97	Resp:	87171
Ion	Ratio	Lower	Upper
97	100		
83	80.8	60.2	90.4
85	52.0	40.5	60.7
99	62.5	50.6	76.0

Manual Integrations
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#56

Ethyl methacrylate

Concen: 50.490 ug/l

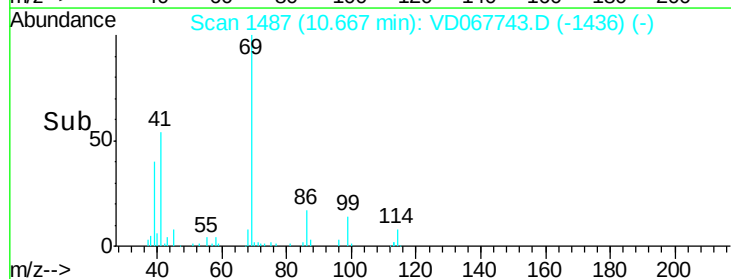
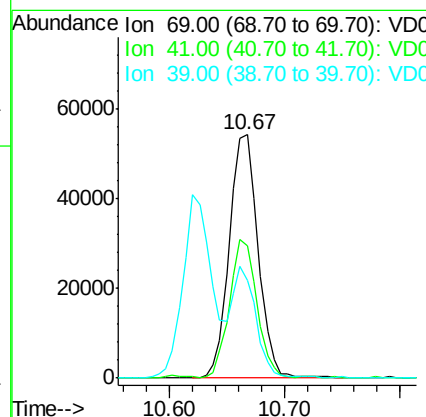
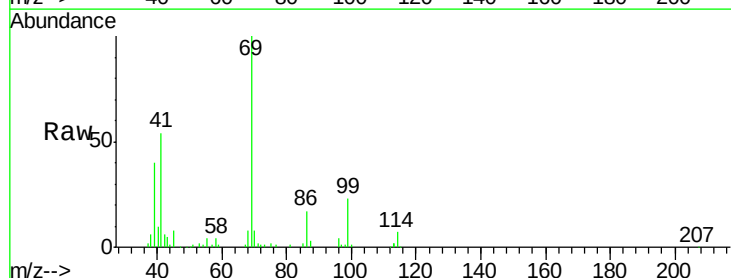
RT: 10.67 min Scan# 1487

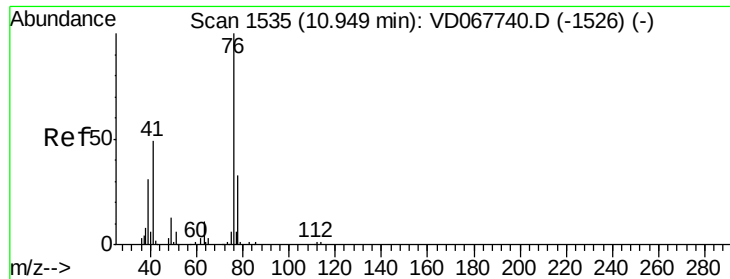
Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion:	69	Resp:	94130
Ion	Ratio	Lower	Upper
69	100		
41	53.1	43.4	65.0
39	36.6	29.6	44.4





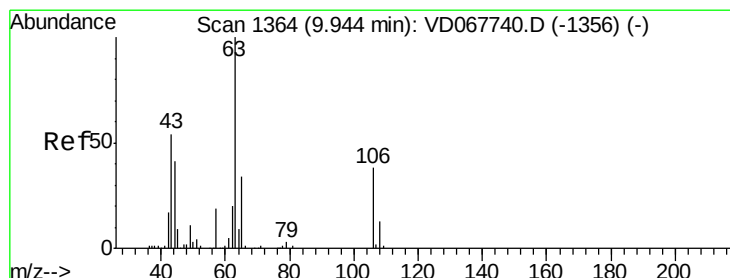
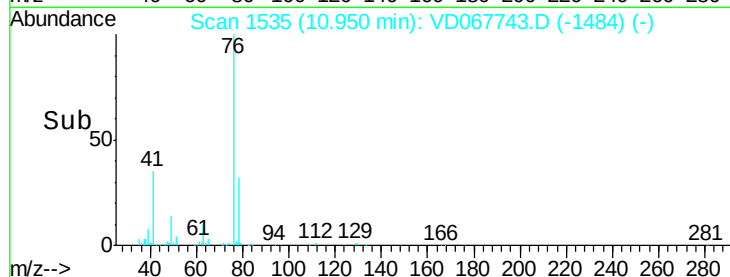
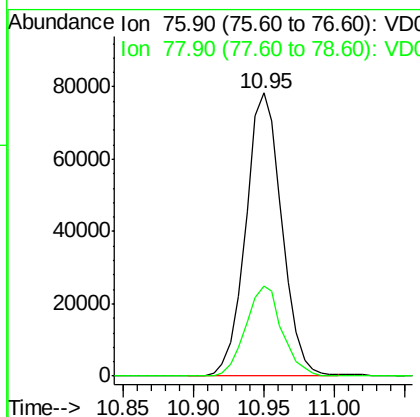
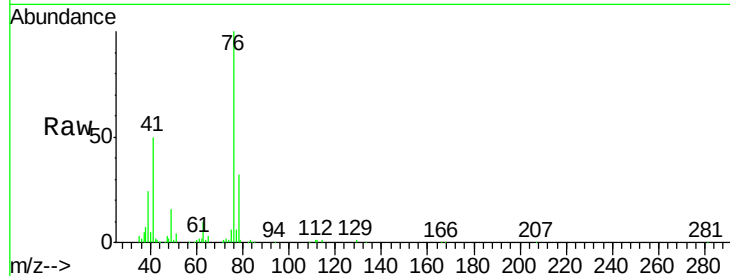
#57
 1,3-Dichloropropane
 Concen: 49.450 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Tot Ion: 76 Resp: 140400
 Ion Ratio Lower Upper
 76 100
 78 32.2 25.7 38.5

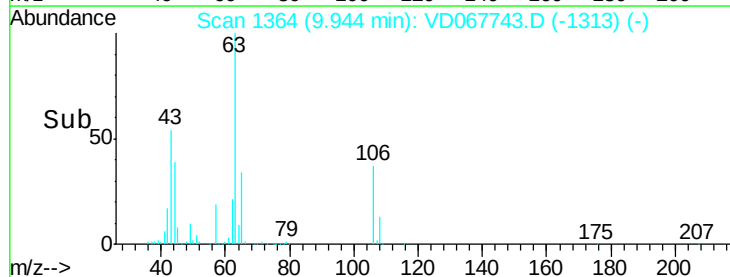
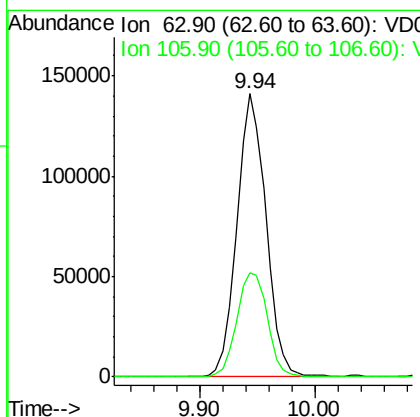
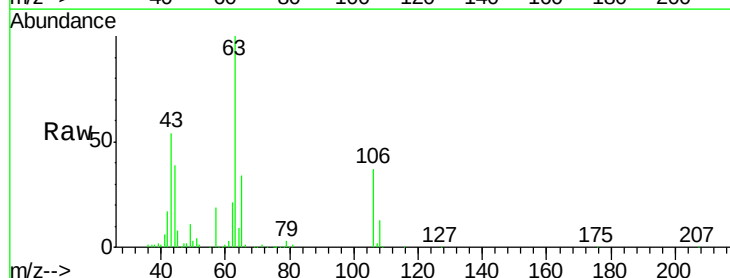
Manual Integrations
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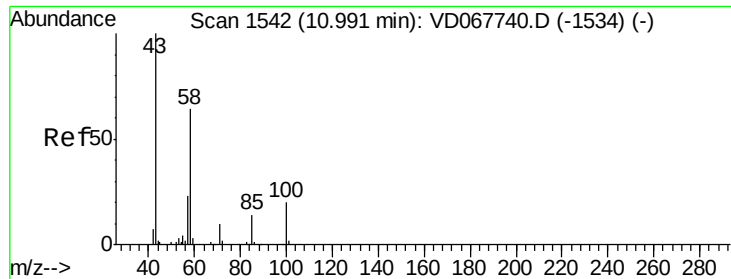
MMDadoda
 11/24/2020 2:56:37 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 281.983 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Tgt Ion: 63 Resp: 245635
 Ion Ratio Lower Upper
 63 100
 106 38.8 31.0 46.6





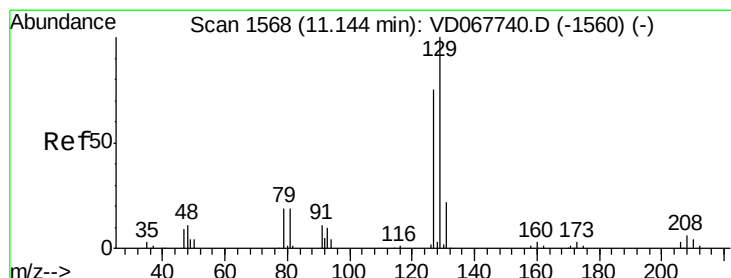
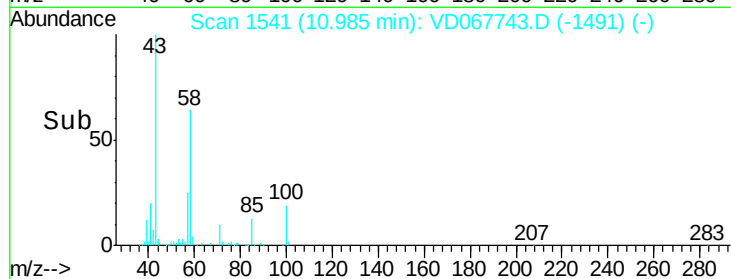
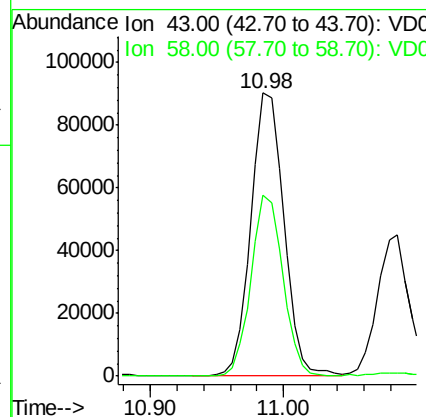
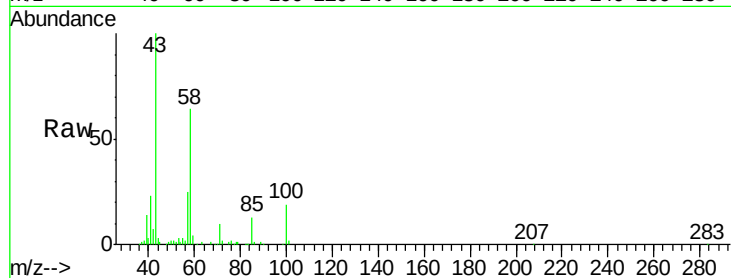
#59
2-Hexanone
Concen: 247.243 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion: 43 Resp: 154288
Ion Ratio Lower Upper
43 100
58 61.7 30.5 91.5

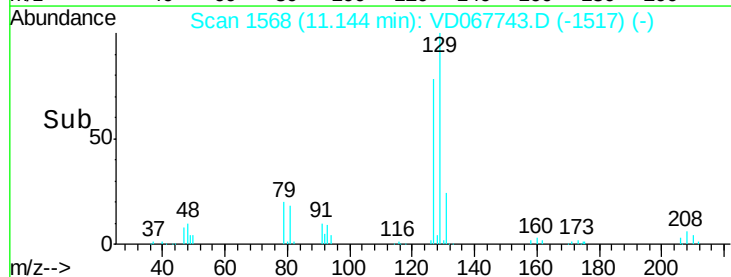
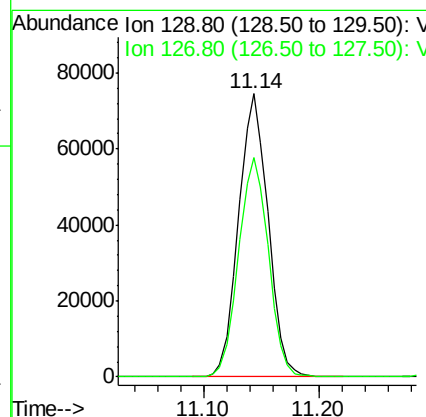
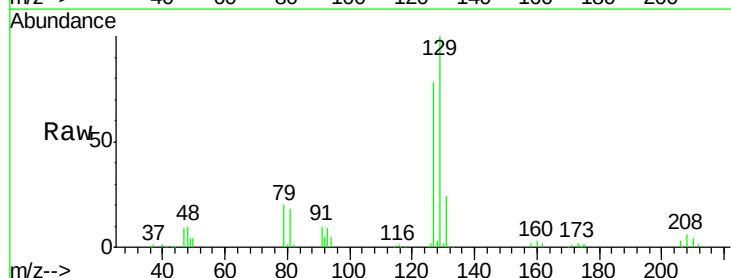
Manual Integrations
APPROVED

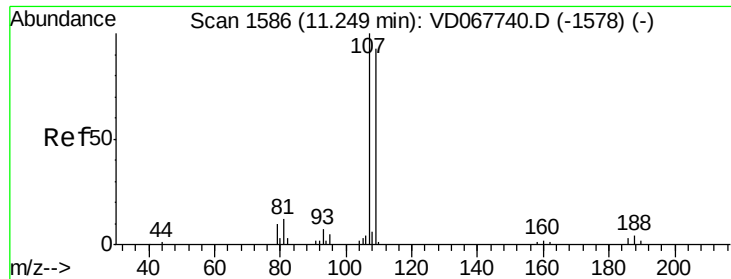
MMDadoda
11/24/2020 2:56:37 PM



#60
Dibromochloromethane
Concen: 48.198 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion: 129 Resp: 132256
Ion Ratio Lower Upper
129 100
127 78.2 38.6 115.7





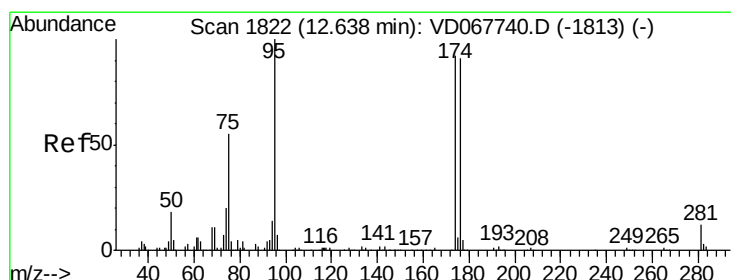
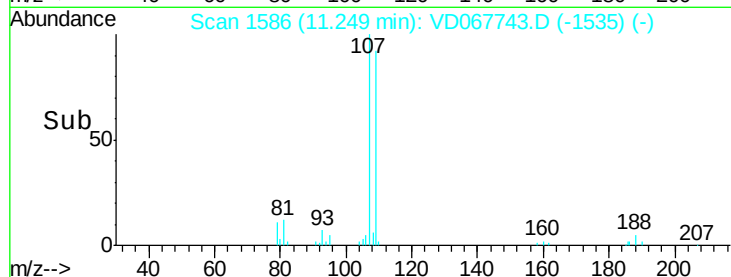
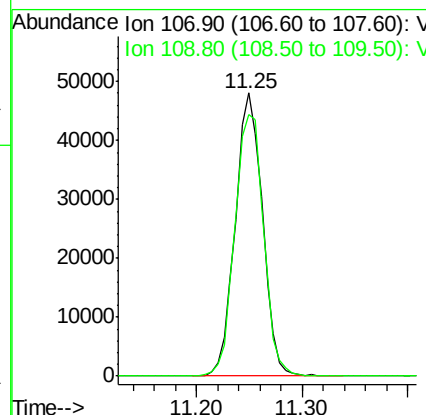
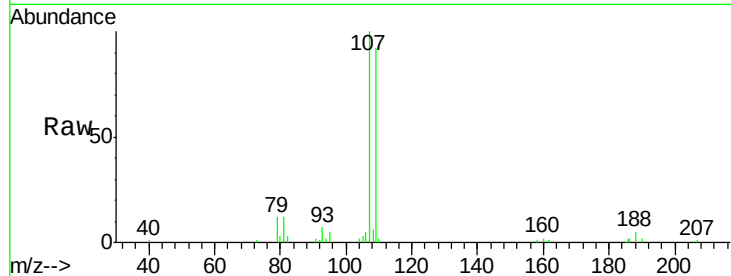
#61
 1,2-Dibromoethane
 Concen: 48.185 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Tot Ion: 107 Resp: 85494
 Ion Ratio Lower Upper
 107 100
 109 97.4 75.1 112.7

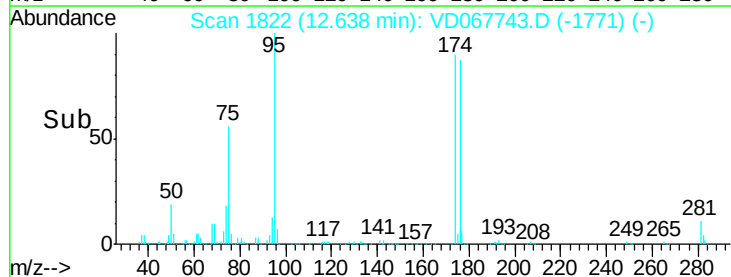
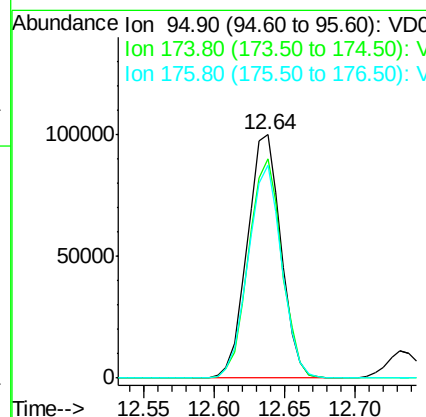
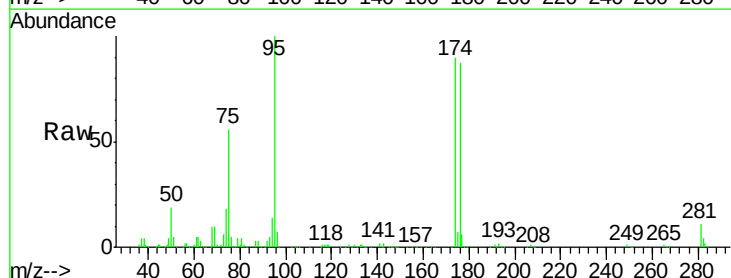
Manual Integrations
 APPROVED

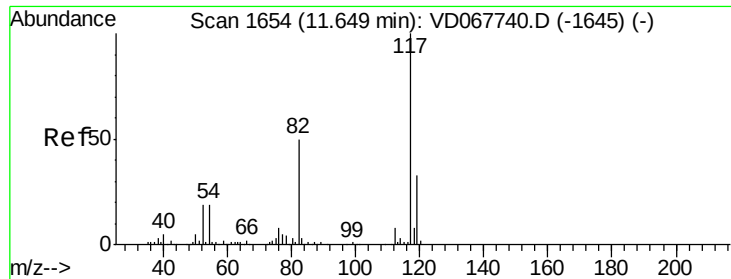
MMDadoda
 11/24/2020 2:56:37 PM



#62
 4-Bromofluorobenzene
 Concen: 51.612 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Tgt Ion: 95 Resp: 167318
 Ion Ratio Lower Upper
 95 100
 174 88.8 0.0 182.4
 176 86.9 0.0 178.2





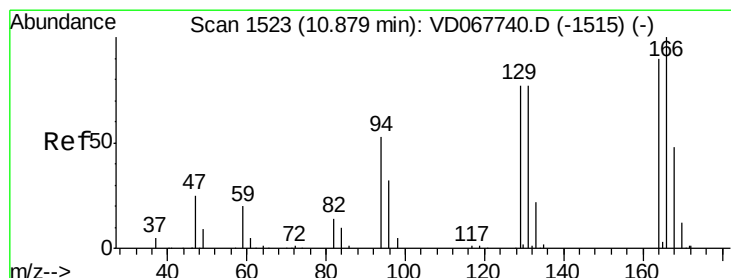
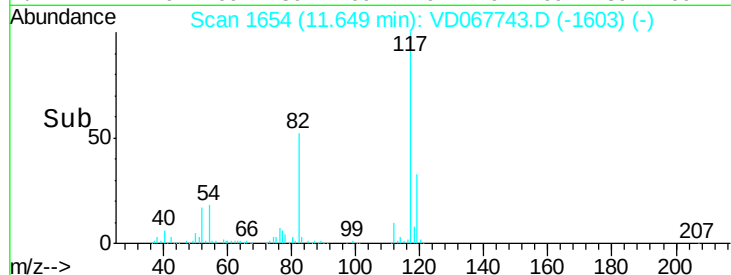
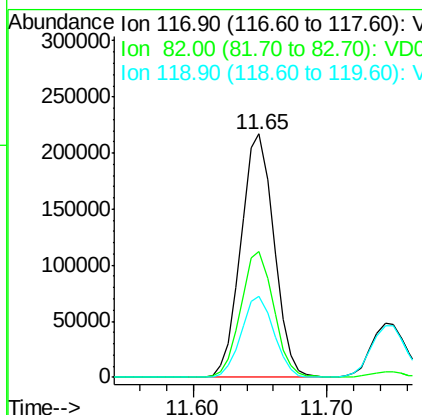
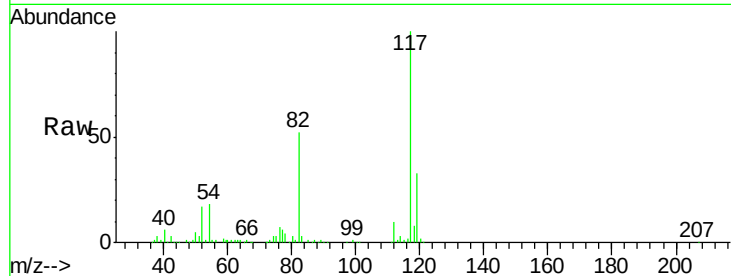
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Resp	Lower	Upper
117	100	373120		
82	51.7		40.2	60.4
119	33.5		26.5	39.7

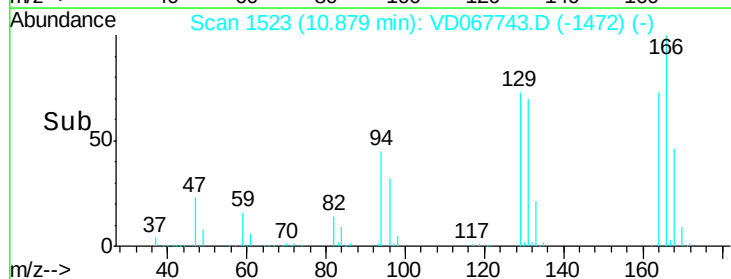
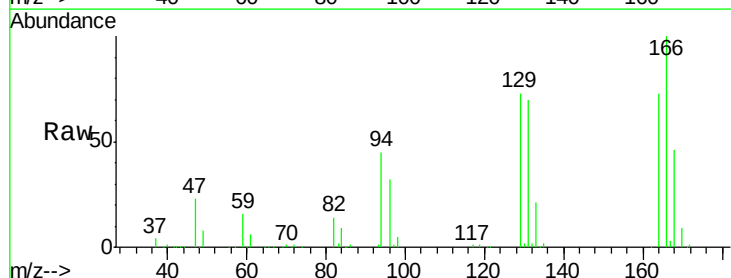
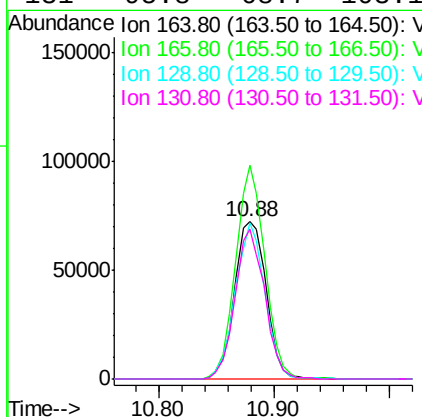
Manual Integrations
APPROVED

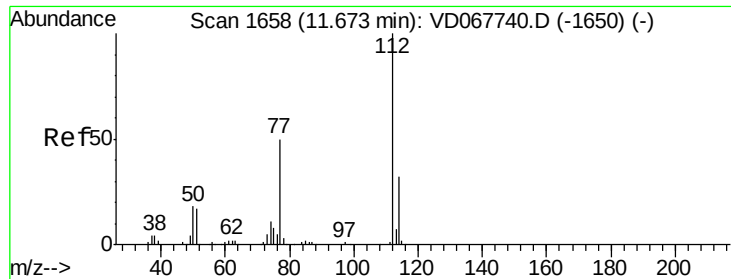
MMDadoda
11/24/2020 2:56:37 PM



#64
Tetrachloroethene
Concen: 47.369 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	137176		
166	136.1		89.2	133.8#
129	99.9		68.4	102.6
131	95.8		68.7	103.1





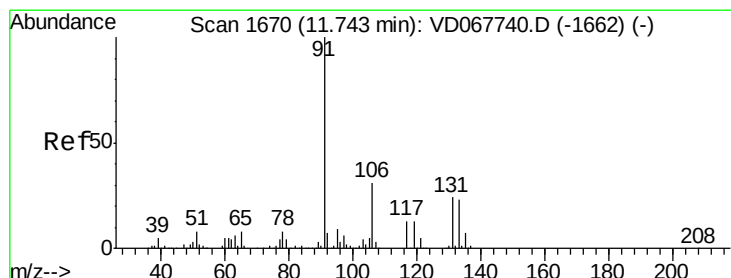
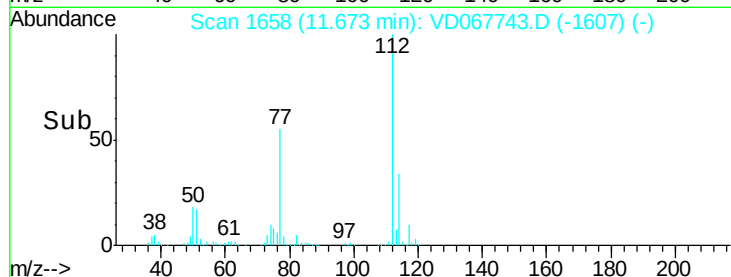
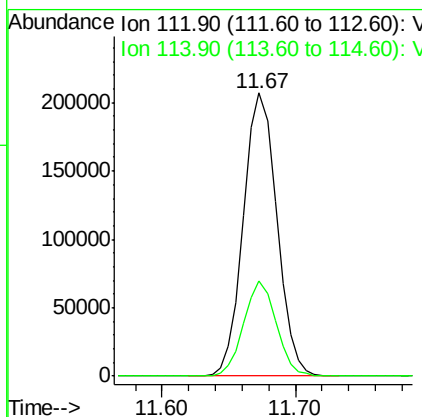
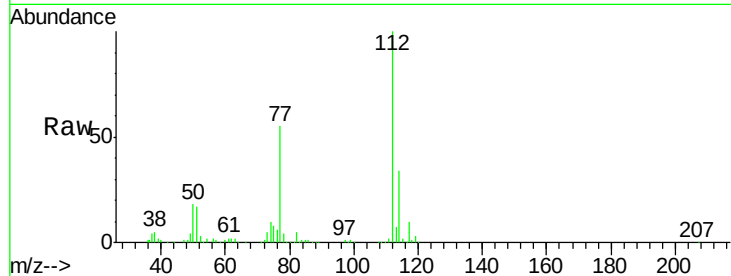
#65
Chlorobenzene
Concen: 49.009 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.8	38.8

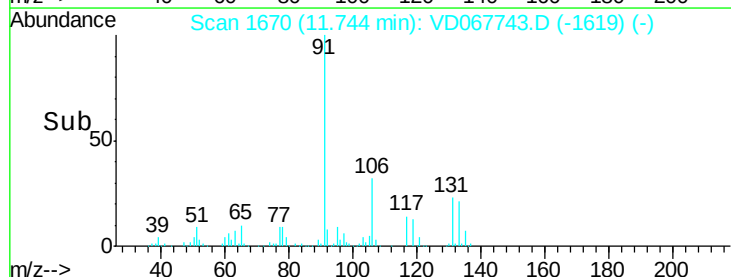
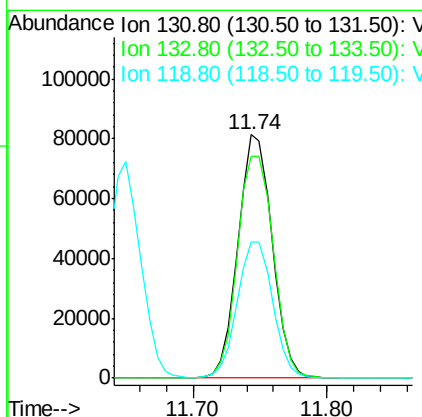
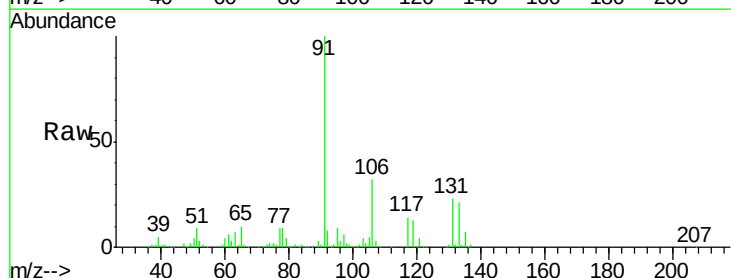
Manual Integrations
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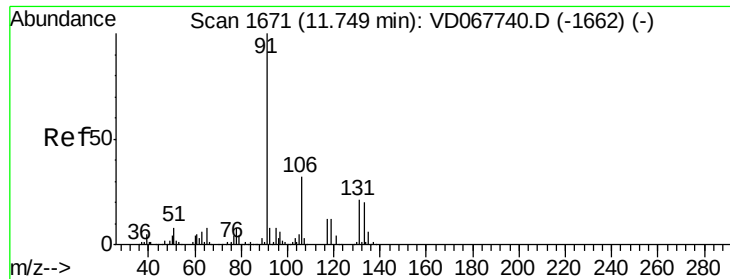
MMDadoda
11/24/2020 2:56:37 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 48.679 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.0	49.0	147.0
119	57.9	28.8	86.5





#67

Ethyl Benzene

Concen: 49.077 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 91 Resp: 621320

Ion Ratio Lower Upper

91 100

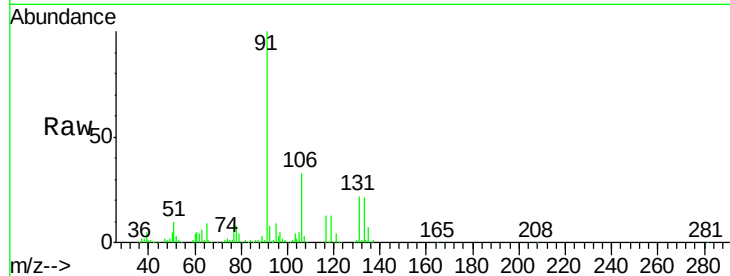
106 32.6 25.7 38.5

Manual Integrations

APPROVED

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Abundance Ion 91.00 (90.70 to 91.70): VD067743.D (-1620) (-)

Ion 106.00 (105.70 to 106.70): VD067743.D (-1620) (-)

600000

500000

400000

300000

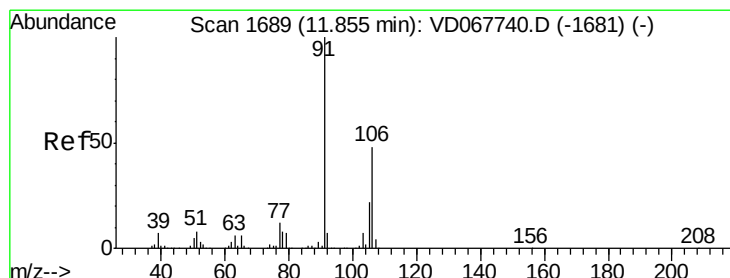
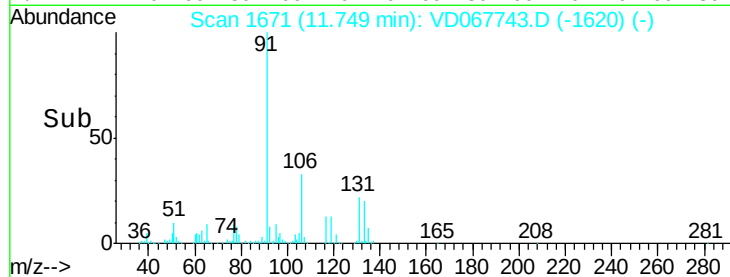
200000

100000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 98.939 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD067743.D

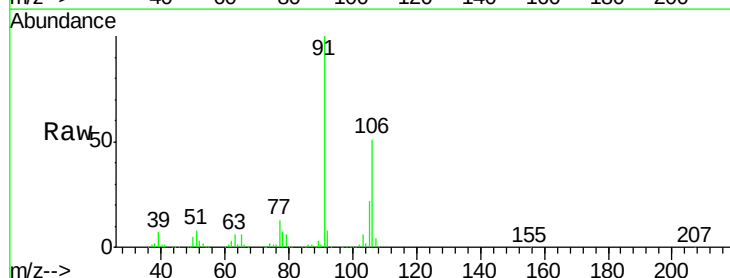
Acq: 23 Nov 2020 14:05

Tgt Ion: 106 Resp: 487438

Ion Ratio Lower Upper

106 100

91 202.5 163.0 244.6



Abundance Ion 106.00 (105.70 to 106.70): VD067743.D (-1638) (-)

Ion 91.00 (90.70 to 91.70): VD067743.D (-1638) (-)

600000

500000

400000

300000

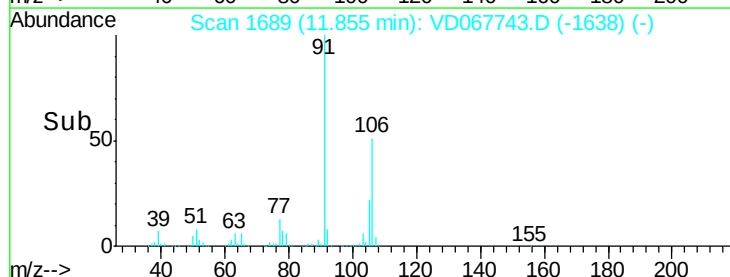
200000

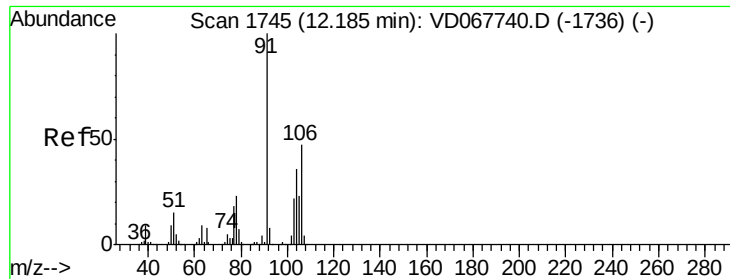
100000

0

11.80 11.85 11.90

Time-->





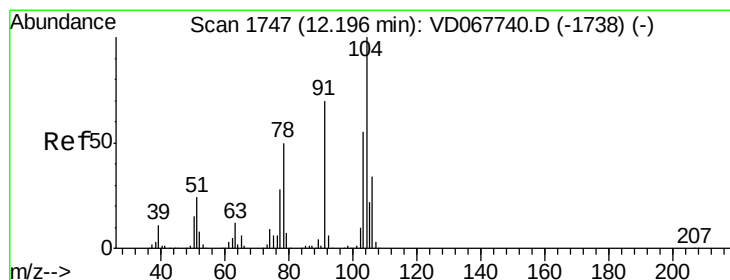
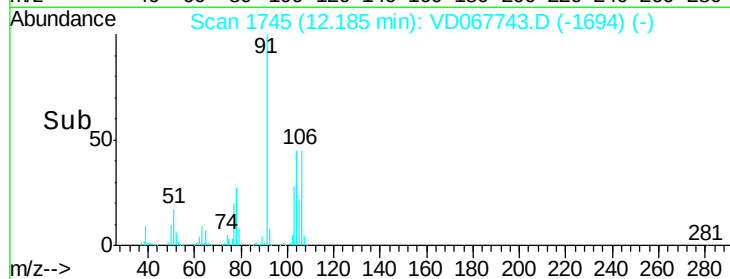
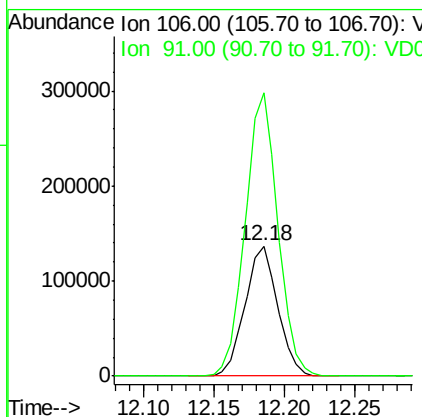
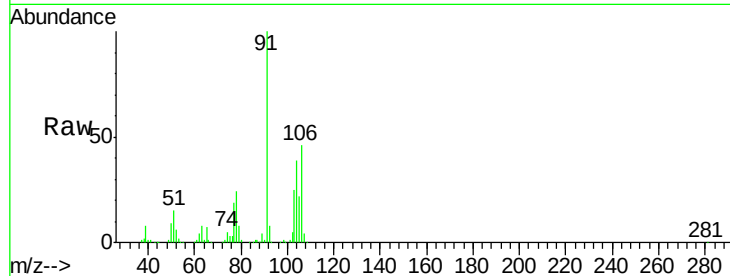
#69
o-Xylene
Concen: 49.718 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	216.2	106.2	318.6	

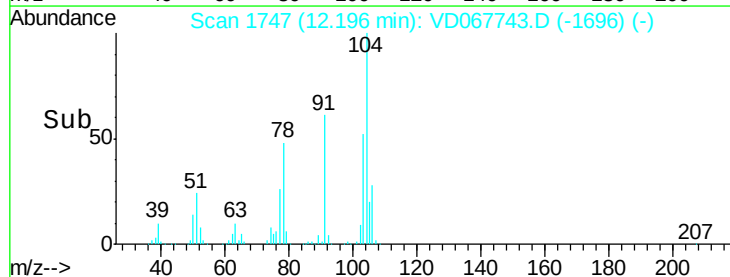
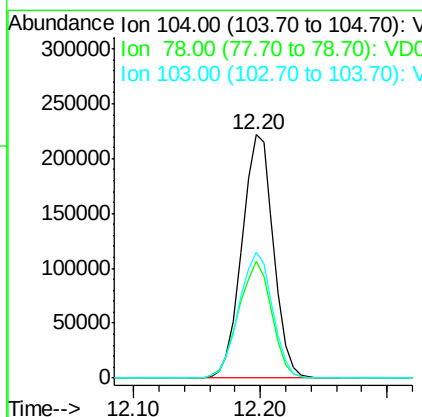
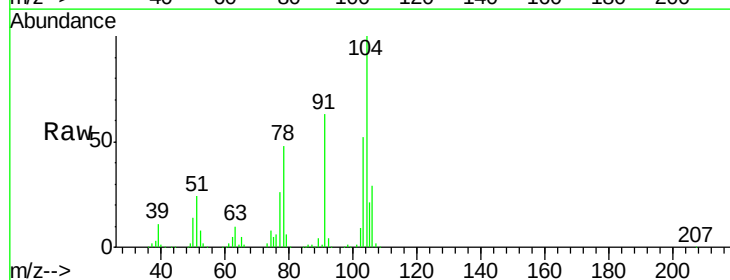
Manual Integrations
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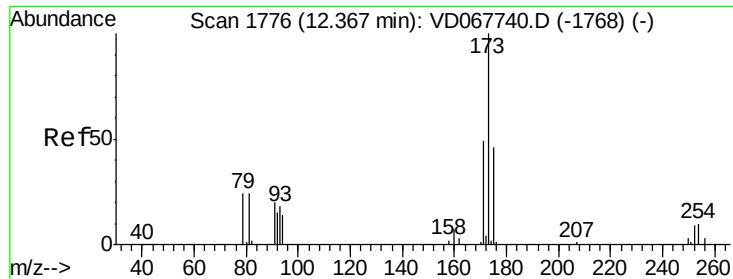
MMDadoda
11/24/2020 2:56:37 PM



#70
Styrene
Concen: 50.079 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	50.8	41.9	62.9	
103	54.7	44.1	66.1	





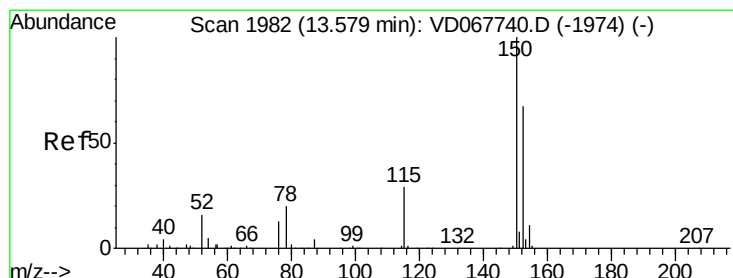
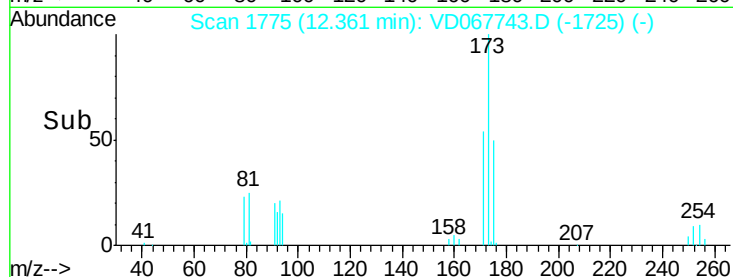
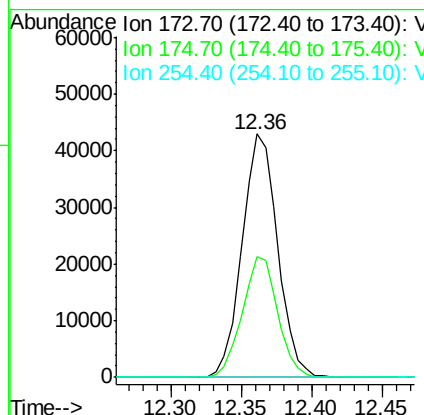
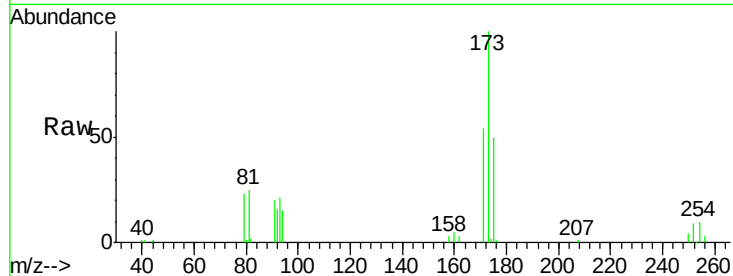
#71
Bromoform
Concen: 47.030 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. -0.01 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.4	23.9	71.7
254	0.0	0.0	0.0

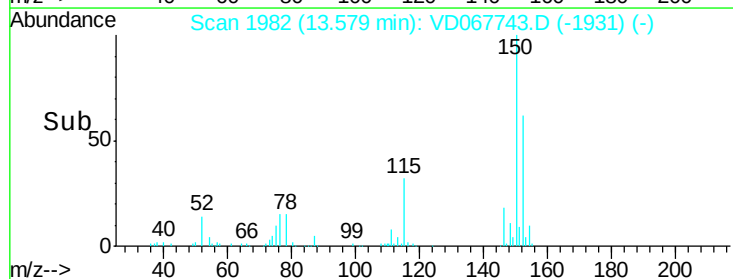
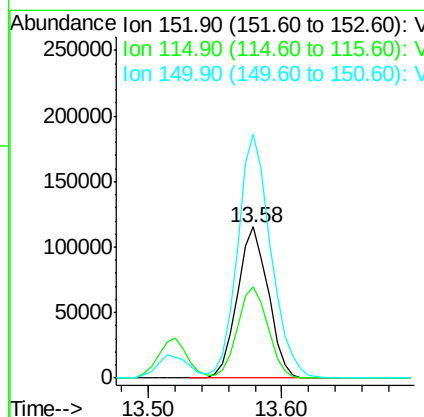
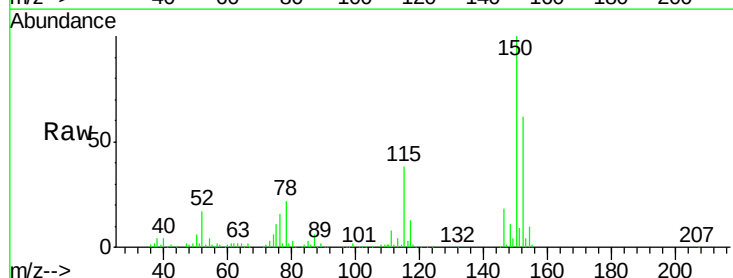
Manual Integrations
APPROVED

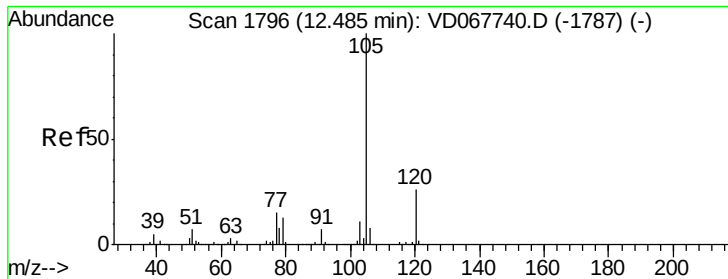
MMDadoda
11/24/2020 2:56:37 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.4	88.3
150	173.4	0.0	340.6





#73

Isopropylbenzene

Concen: 51.766 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion:105 Resp: 629495

Ion Ratio Lower Upper

105 100

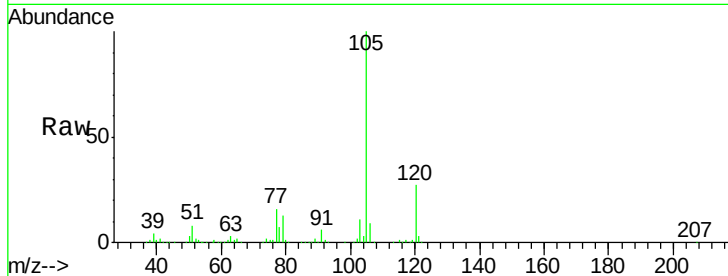
120 26.9 13.2 39.6

Manual Integrations

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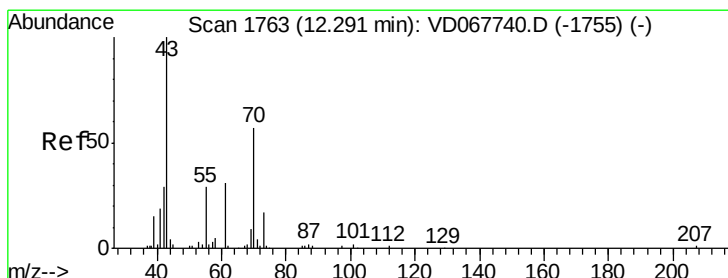
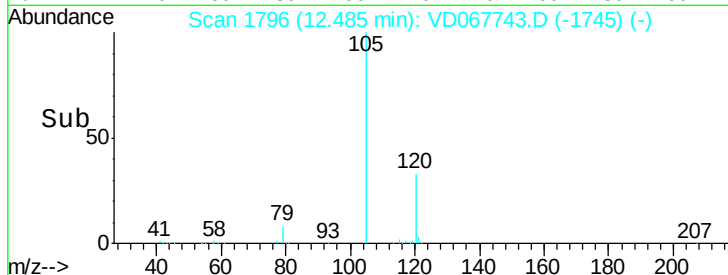
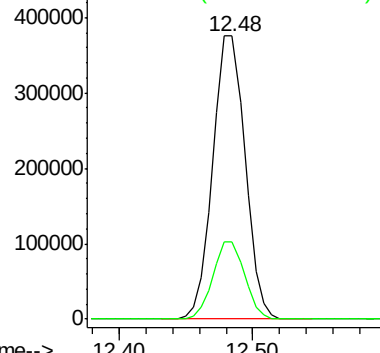
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 49.774 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion: 43 Resp: 79819

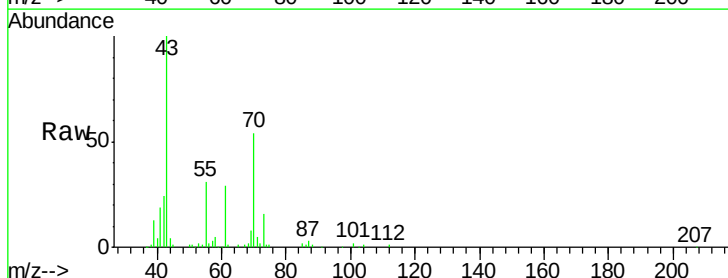
Ion Ratio Lower Upper

43 100

70 56.3 44.6 66.8

55 32.1 24.2 36.2

61 28.3 22.0 33.0

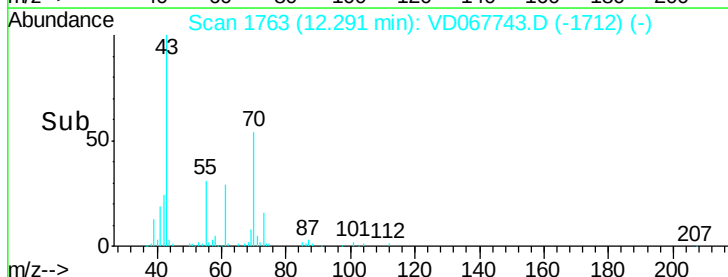
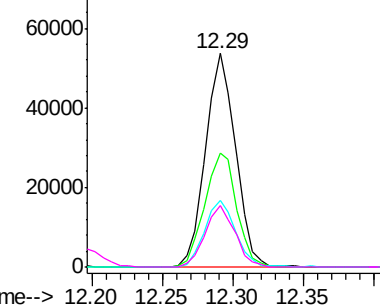


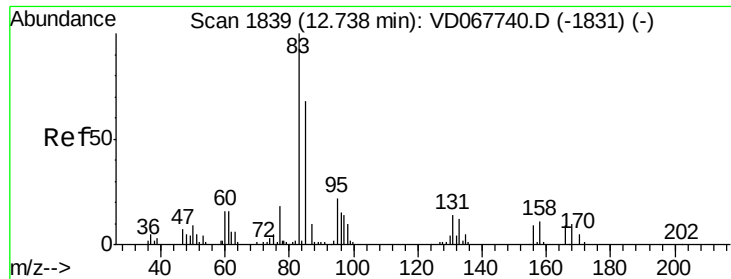
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.584 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

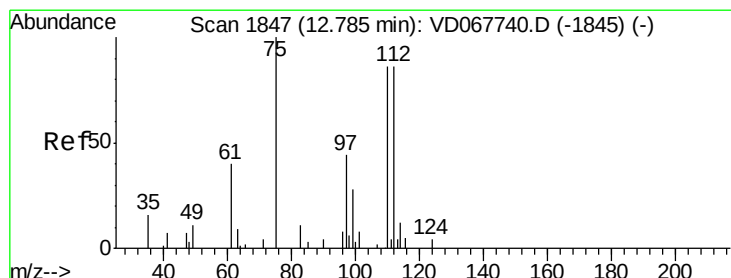
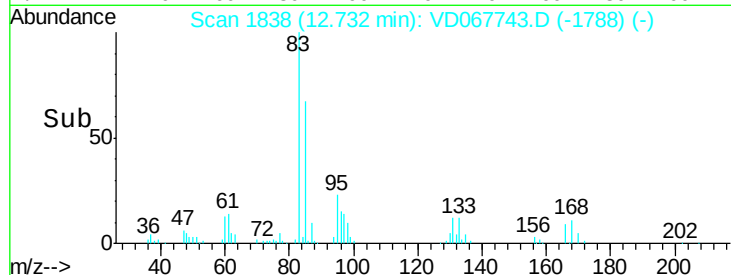
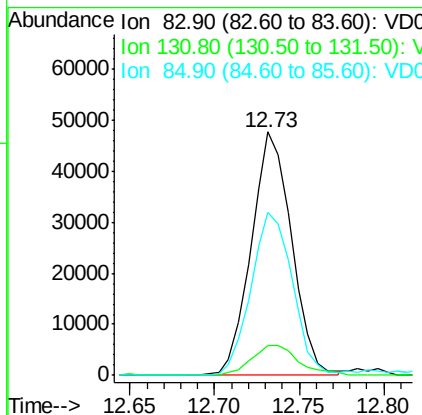
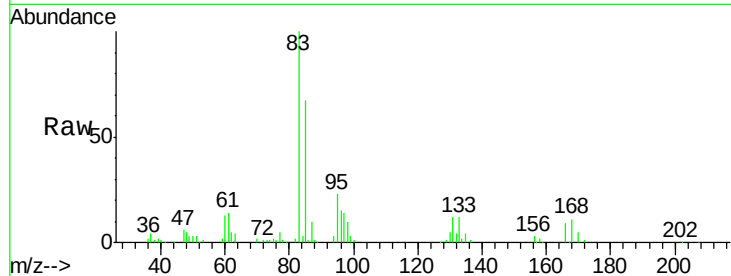
ClientSampleId :

ICVVD112320

Tot Ion	Ratio	Lower	Upper
83	100		
131	14.3	8.1	24.1
85	69.0	33.9	101.7

Manual Integrations
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11/24/2020 2:56:37 PM



#76

1,2,3-Trichloropropane

Concen: 48.642 ug/l m

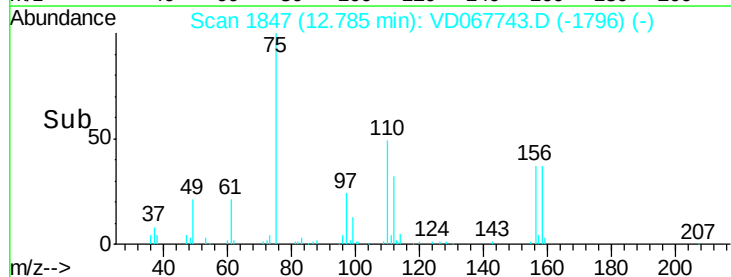
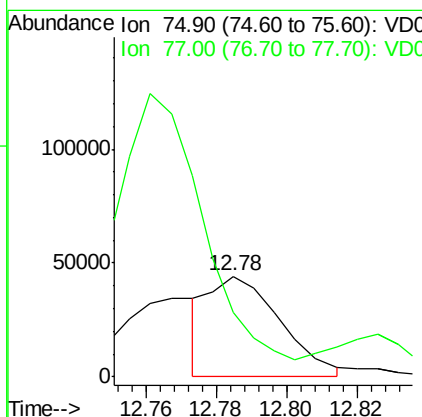
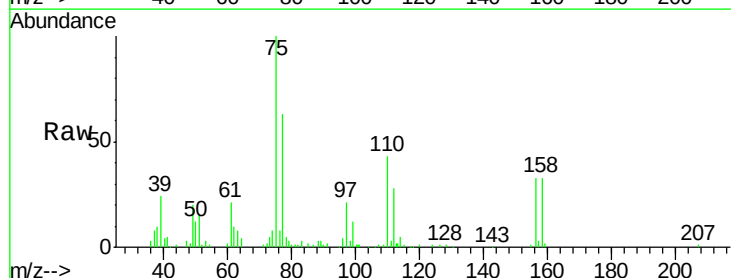
RT: 12.78 min Scan# 1847

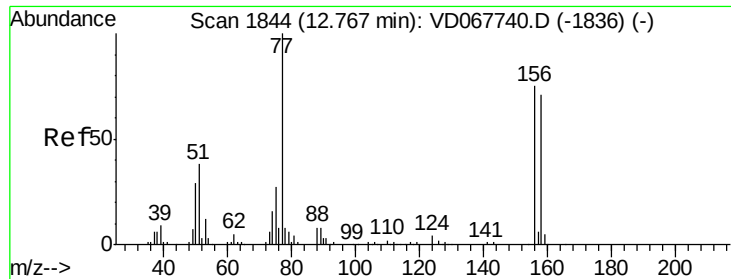
Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.692 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

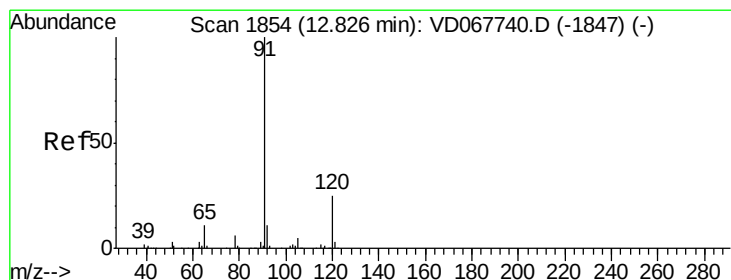
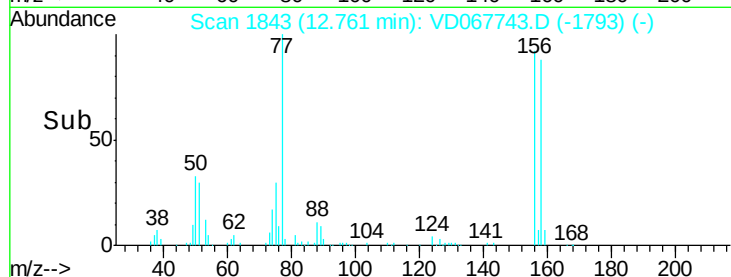
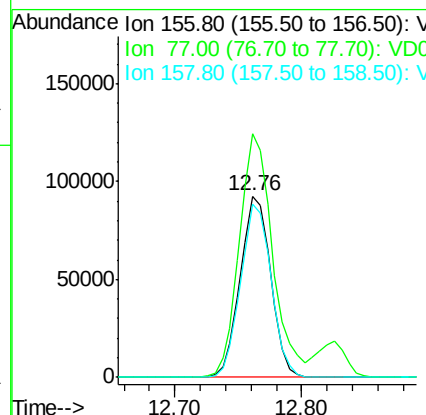
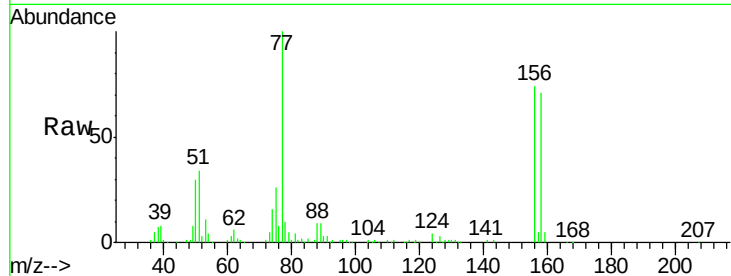
ClientSampleId :

ICVVD112320

Tot Ion:	156	Resp:	154307
Ion Ratio	Lower	Upper	
156	100		
77	146.3	73.5	220.3
158	95.9	48.1	144.4

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#78

n-propylbenzene

Concen: 52.258 ug/l

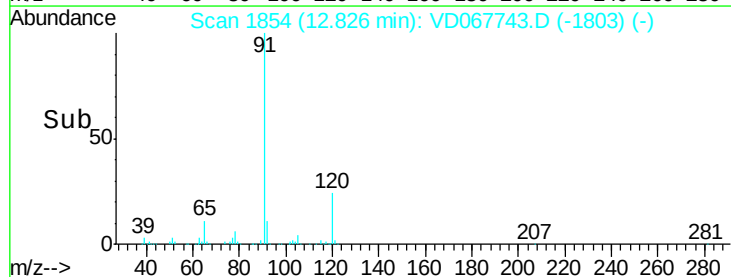
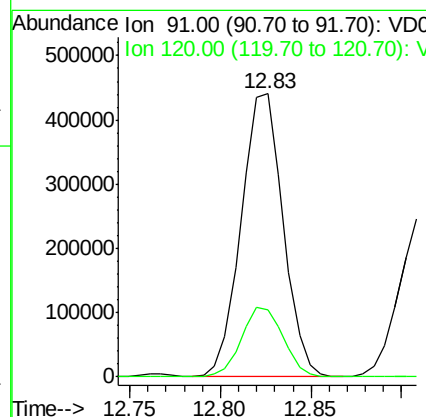
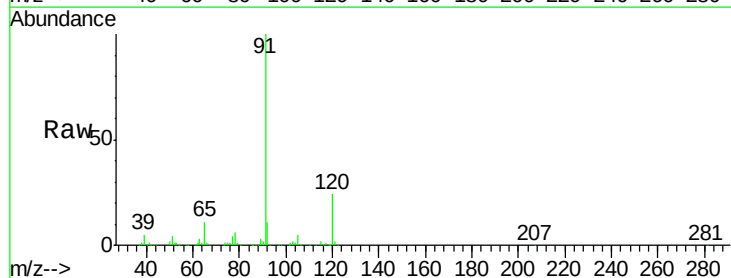
RT: 12.83 min Scan# 1854

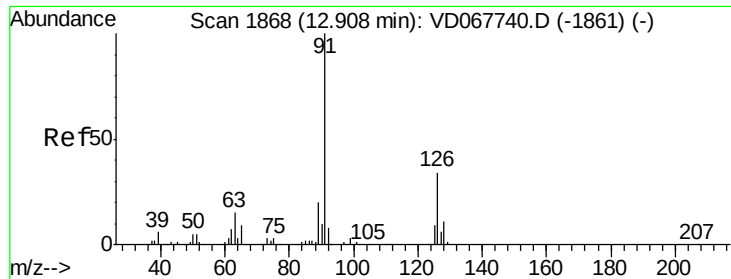
Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion:	91	Resp:	707002
Ion Ratio	Lower	Upper	
91	100		
120	24.8	12.4	37.4





#79

2-Chlorotoluene

Concen: 51.051 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion: 91 Resp: 408916

Ion Ratio Lower Upper

91 100

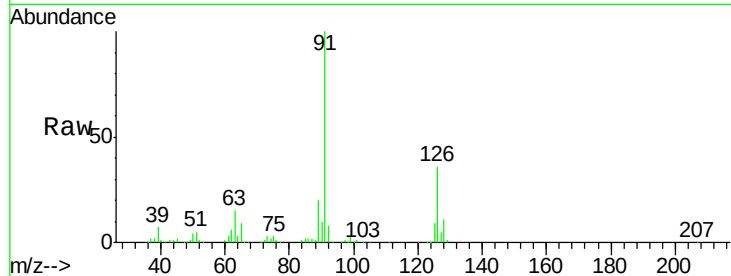
126 34.9 17.9 53.7

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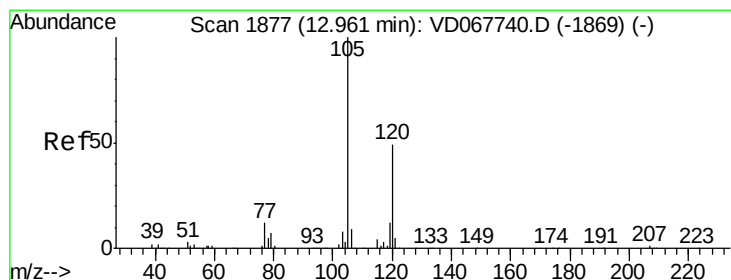
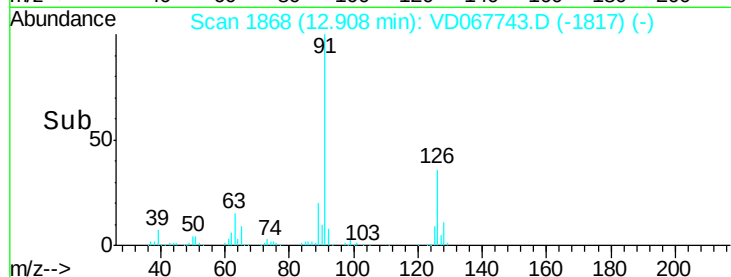
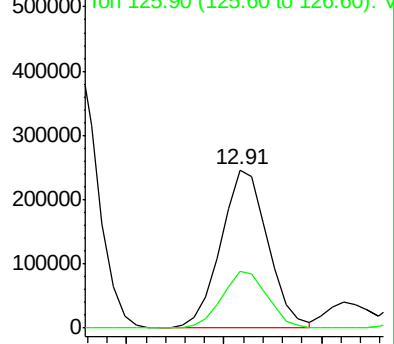
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Abundance Ion 91.00 (90.70 to 91.70): VD067743.D (-1861) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.243 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VD067743.D

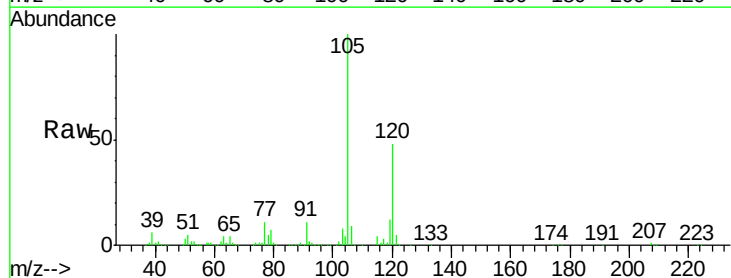
Acq: 23 Nov 2020 14:05

Tgt Ion:105 Resp: 552552

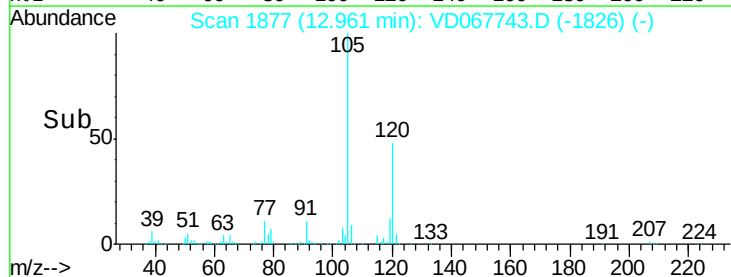
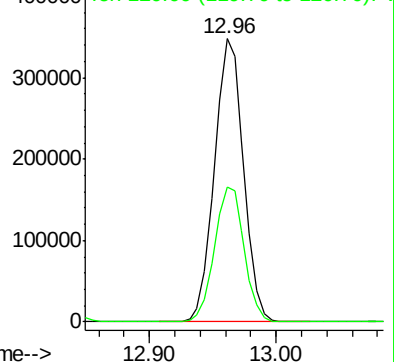
Ion Ratio Lower Upper

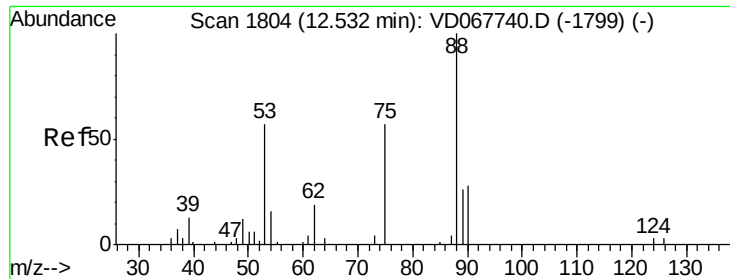
105 100

120 48.5 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): VD067743.D (-1826) (-)





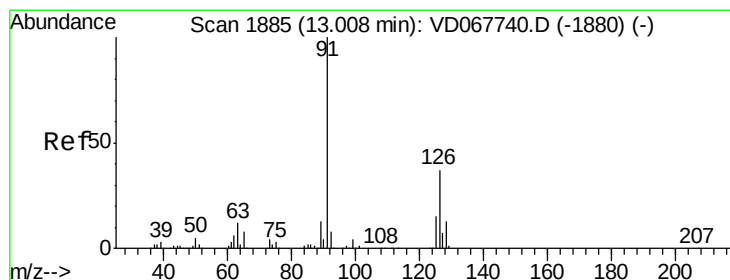
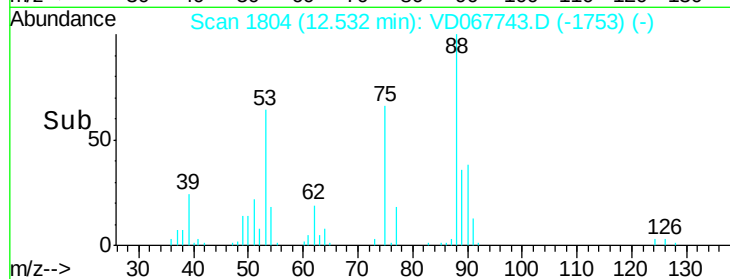
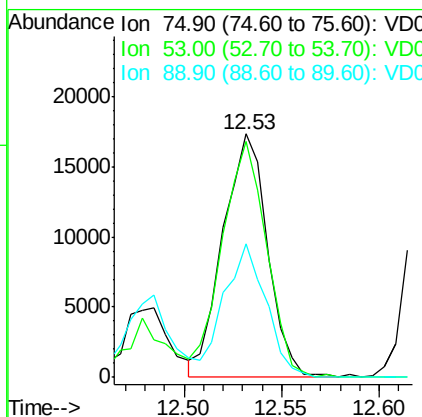
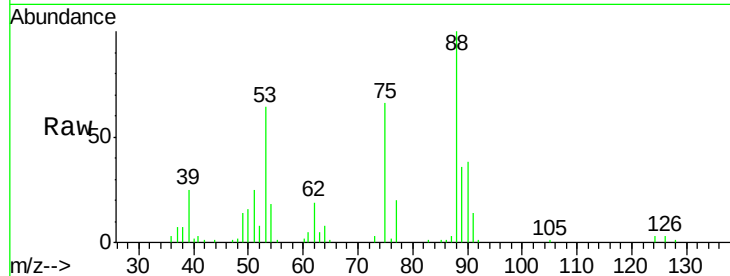
#81
trans-1,4-Dichloro-2-butene
Concen: 49.785 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.8	76.0	114.0
89	51.4	40.2	60.4

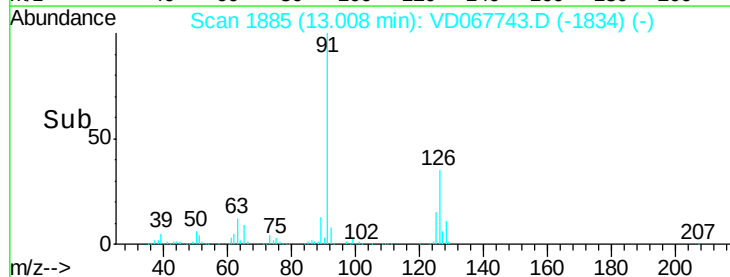
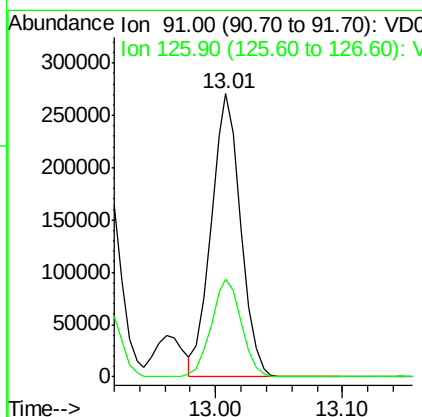
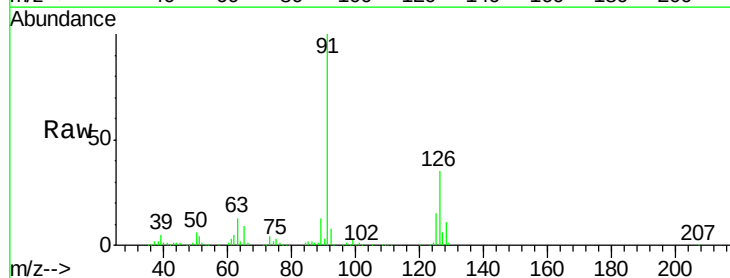
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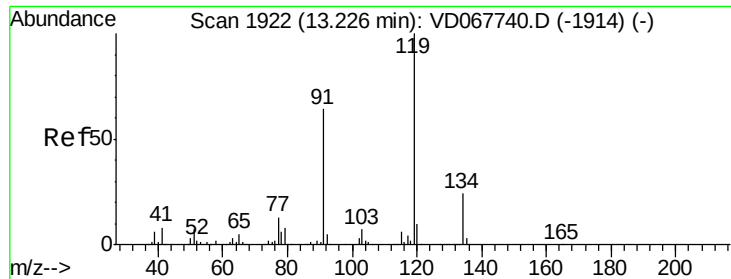
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#82
4-Chlorotoluene
Concen: 51.034 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.7	53.1





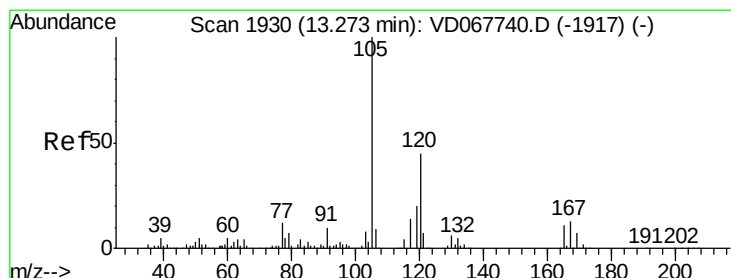
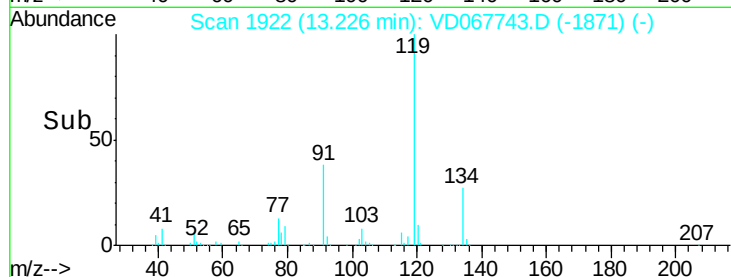
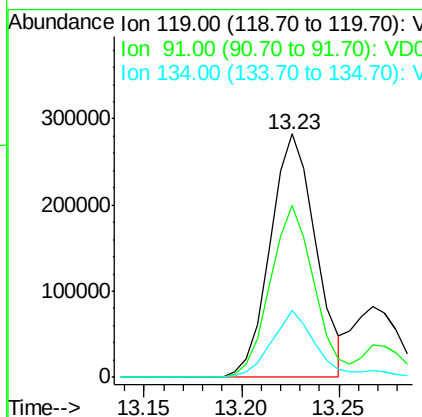
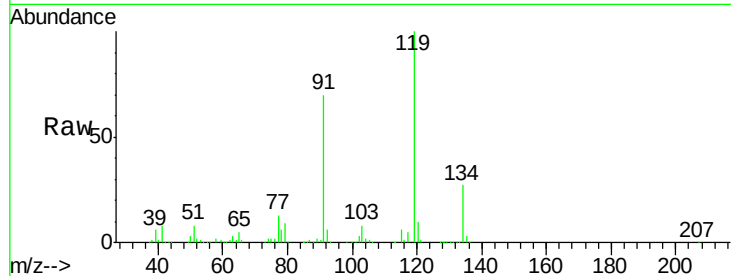
#83
tert-Butylbenzene
Concen: 50.107 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Resp	Lower	Upper
119	100	455401		
91	68.7		32.9	98.7
134	27.8		12.9	38.6

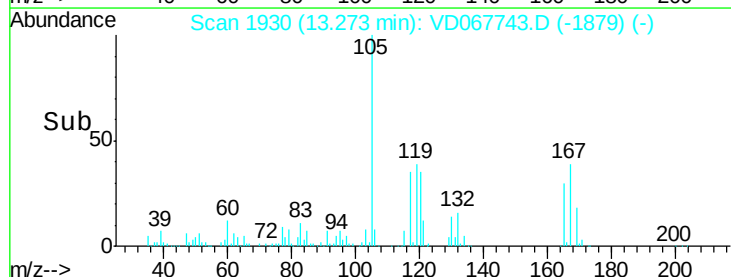
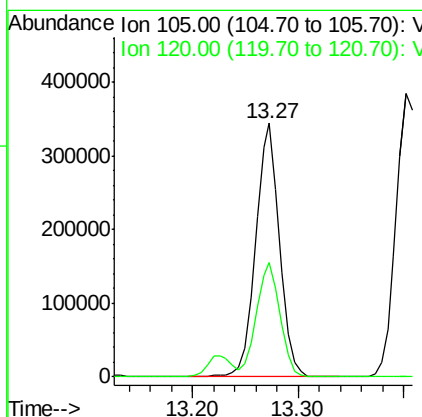
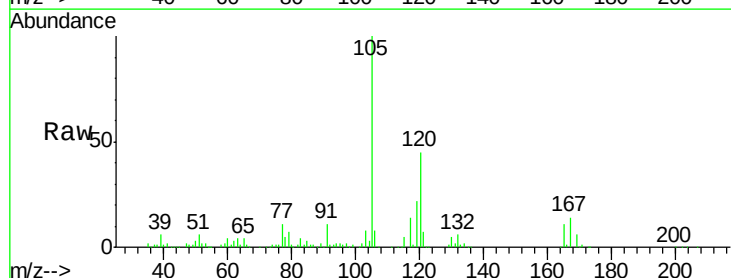
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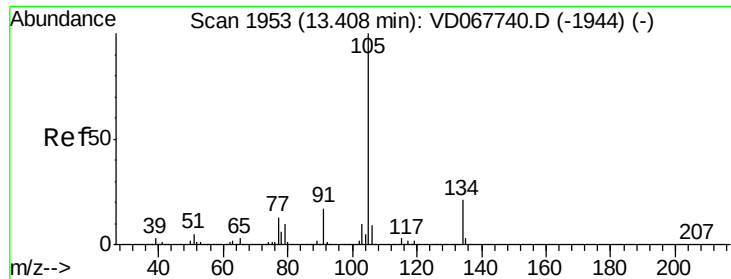
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#84
1,2,4-Trimethylbenzene
Concen: 51.240 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	541381		
120	44.7		22.6	67.7





#85

sec-Butylbenzene

Concen: 51.379 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

ClientSampleId :

ICVVD112320

Tot Ion:105 Resp: 613464

Ion Ratio Lower Upper

105 100

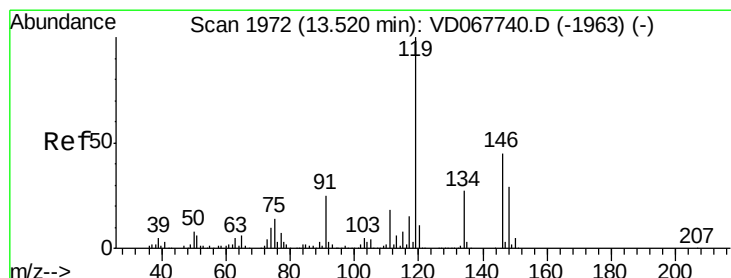
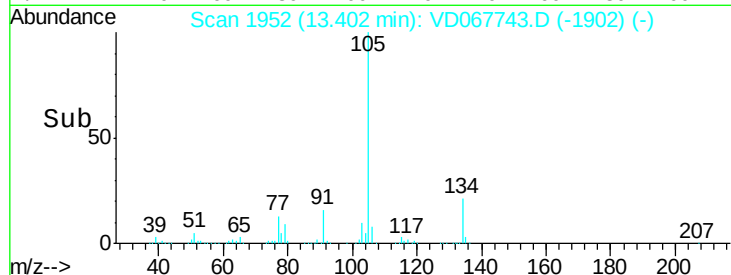
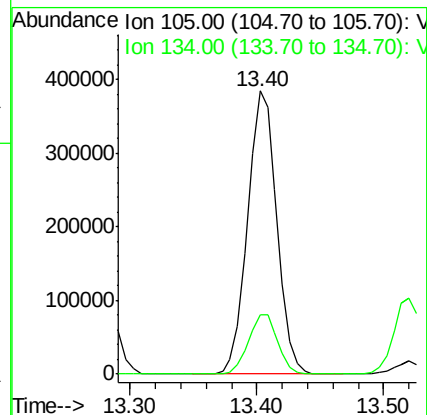
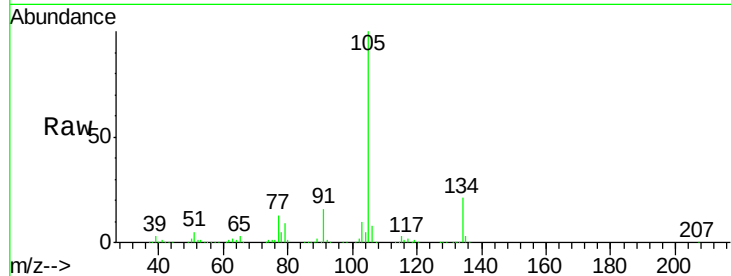
134 21.3 10.7 32.1

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#86

p-Isopropyltoluene

Concen: 50.888 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

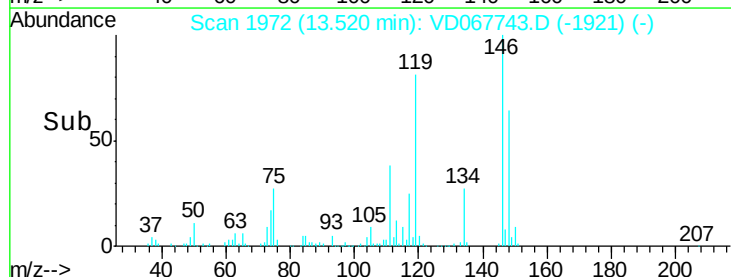
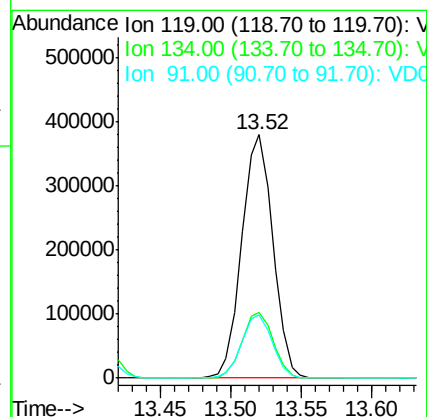
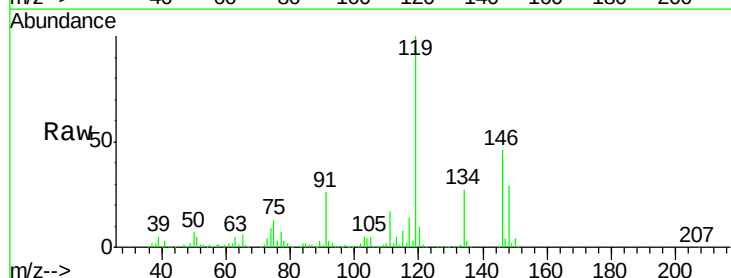
Tgt Ion:119 Resp: 588498

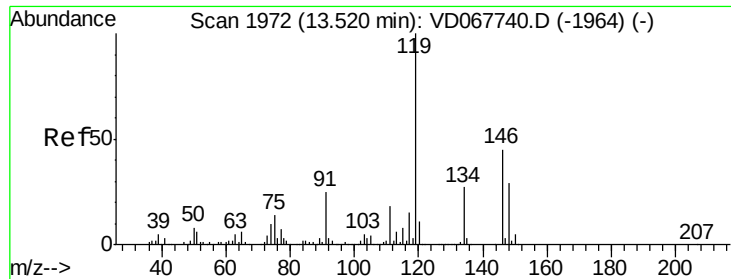
Ion Ratio Lower Upper

119 100

134 27.2 13.0 38.9

91 25.7 12.7 38.1





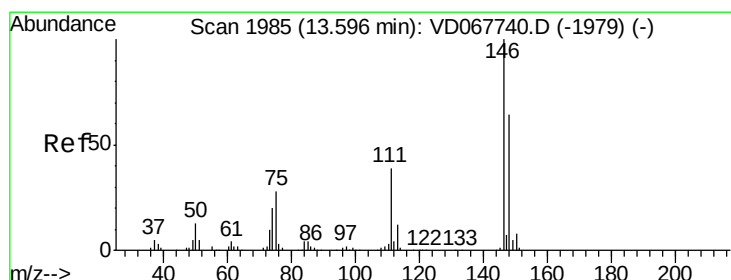
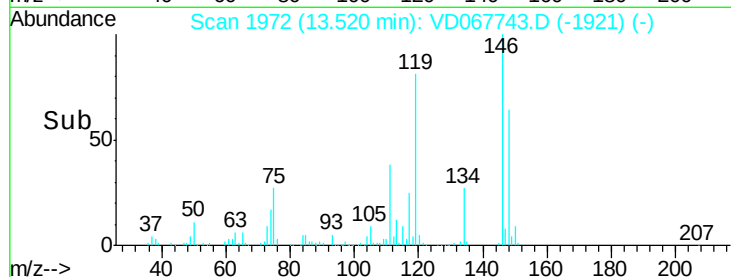
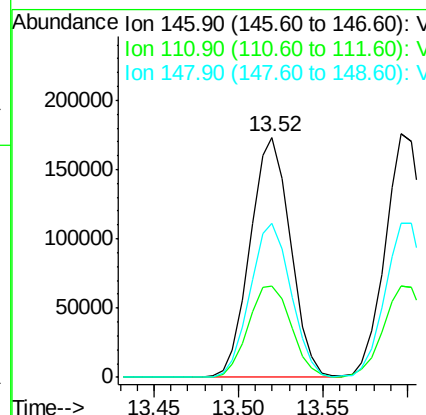
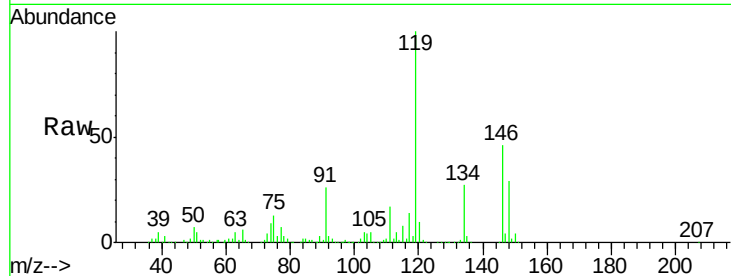
#87
 1,3-Dichlorobenzene
 Concen: 48.850 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.2	60.6
148	65.1	32.5	97.4

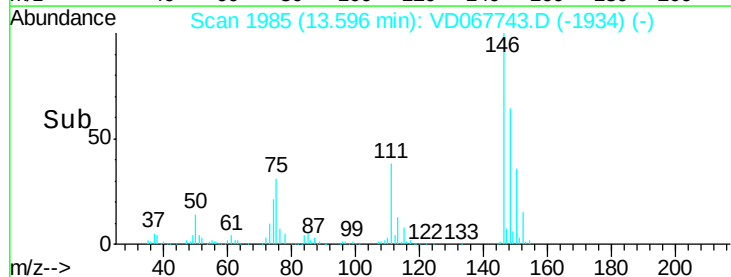
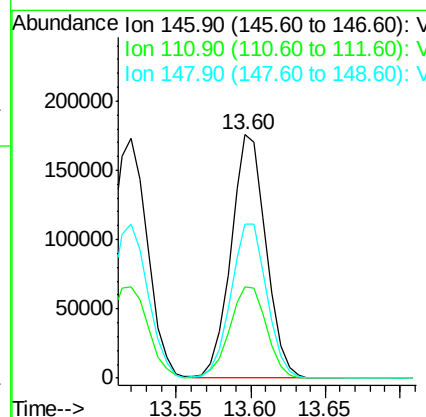
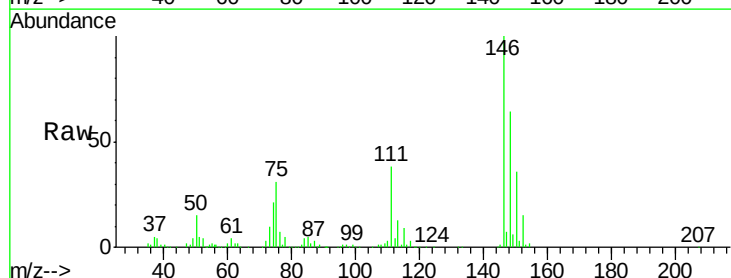
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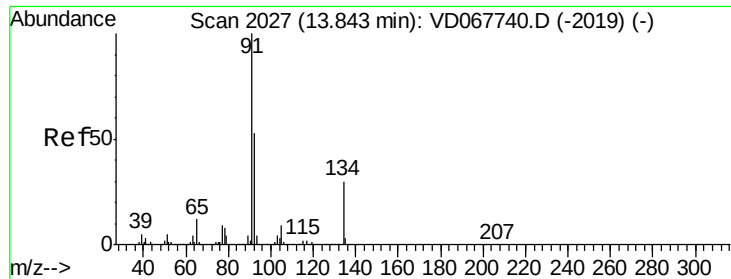
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#88
 1,4-Dichlorobenzene
 Concen: 49.199 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.4	58.4
148	65.0	31.6	94.8





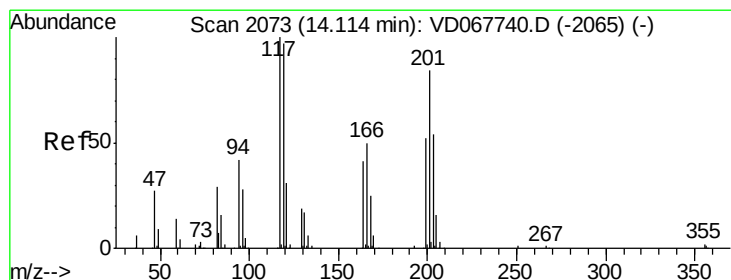
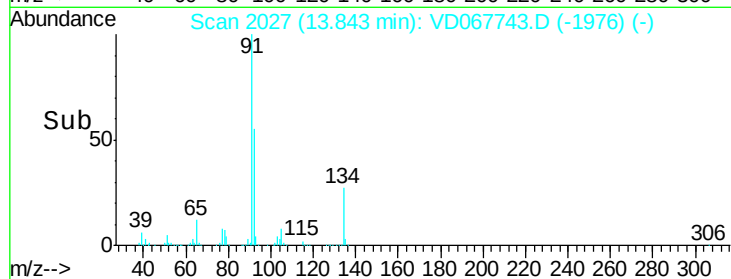
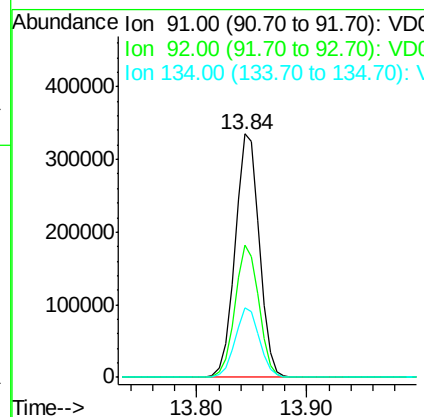
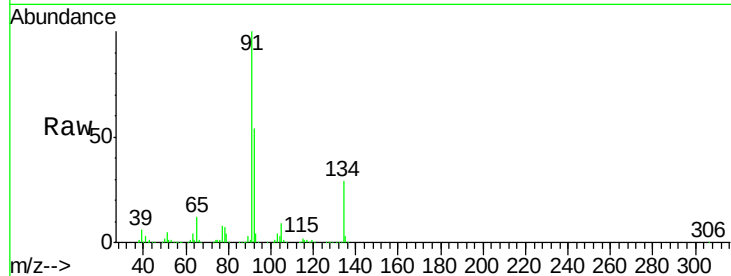
#89
n-Butylbenzene
Concen: 51.856 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Instrument :
MSVOA_D
ClientSampleId :
ICVVD112320

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.7
134	28.7	14.8	44.3

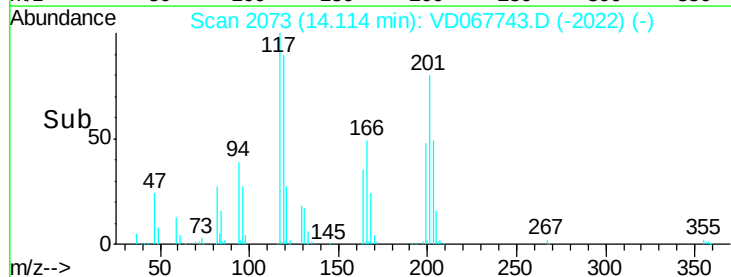
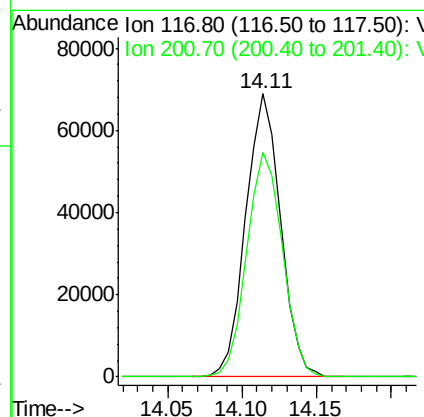
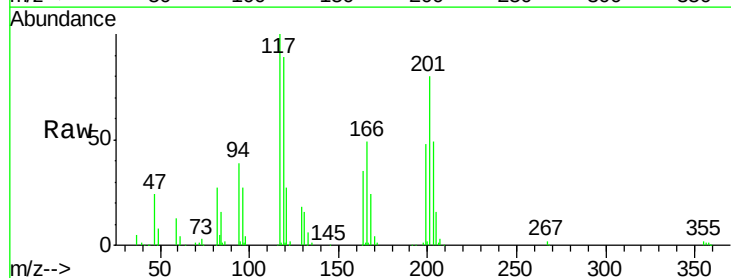
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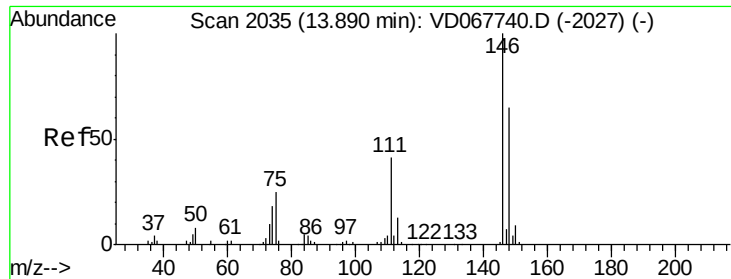
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#90
Hexachloroethane
Concen: 50.553 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067743.D
Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.4	42.2	126.6





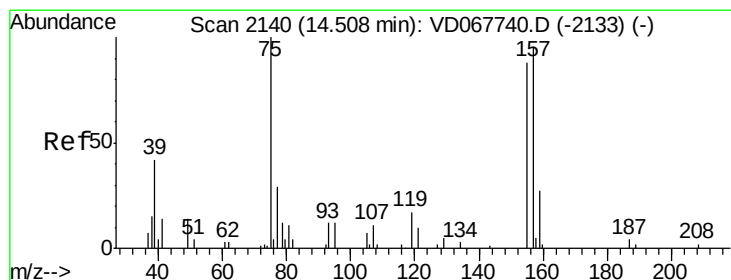
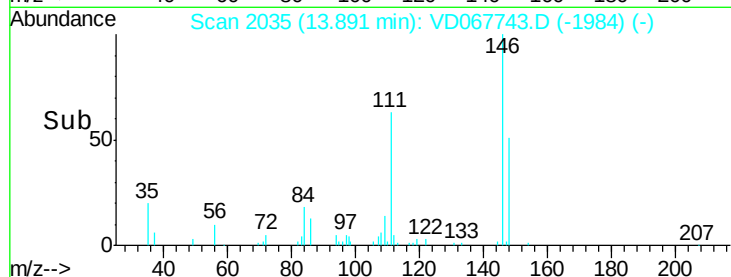
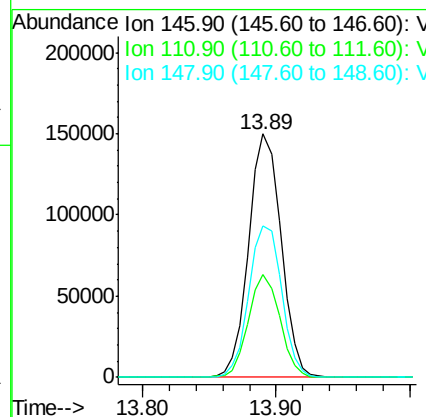
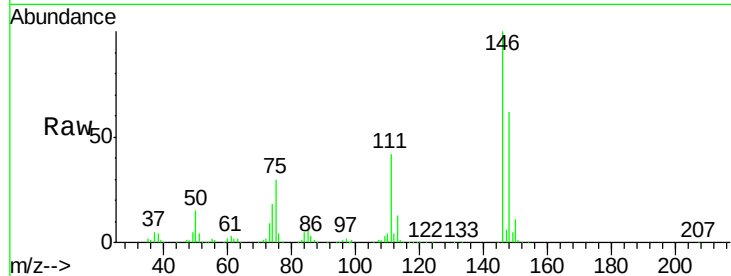
#91
 1,2-Dichlorobenzene
 Concen: 49.454 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.8	62.5
148	63.2	32.4	97.2

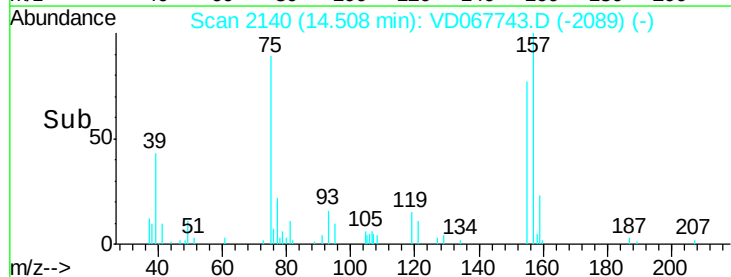
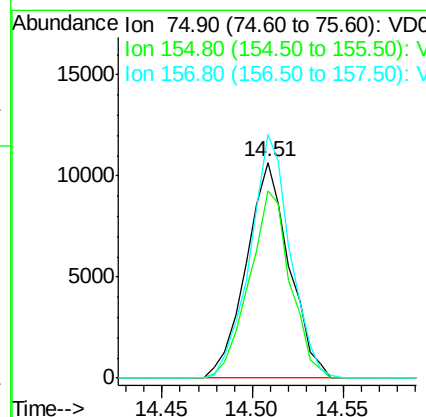
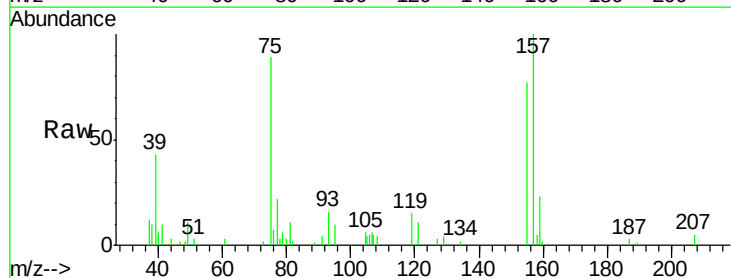
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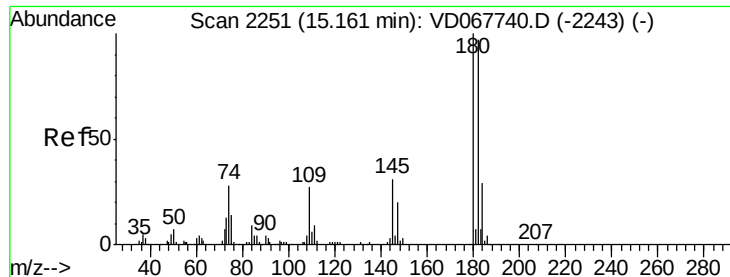
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 11/24/2020 2:56:37 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 50.008 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Tgt Ion	Ratio	Lower	Upper
75	100		
155	82.6	41.0	123.0
157	105.3	51.1	153.4





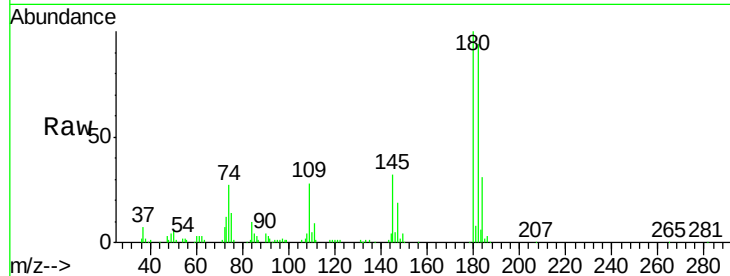
#93
 1,2,4-Trichlorobenzene
 Concen: 50.965 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.01 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD112320

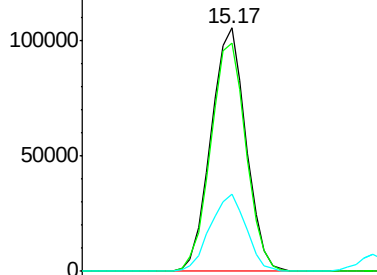
Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.8	47.4	142.2	
145	32.4	16.1	48.3	

Manual Integrations
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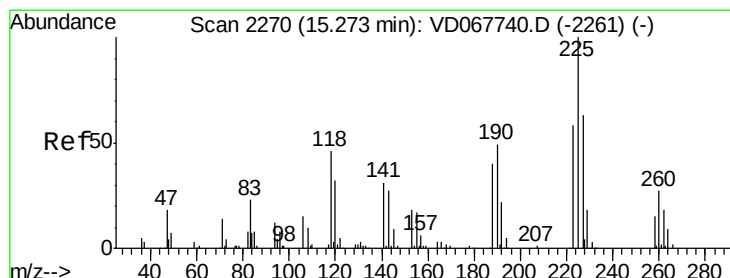
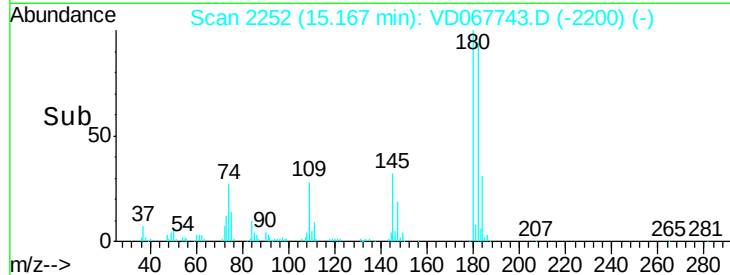
MMDadoda
 11/24/2020 2:56:37 PM



Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

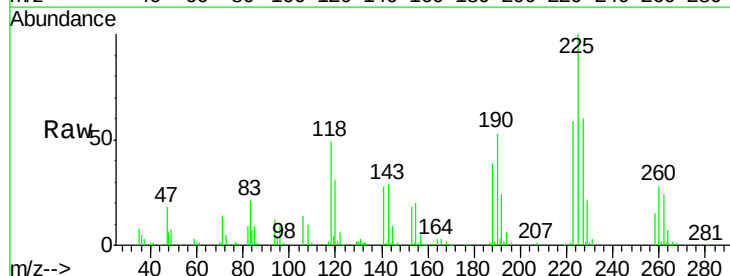


Time-->

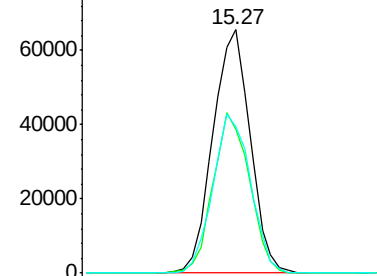


#94
 Hexachlorobutadiene
 Concen: 49.389 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067743.D
 Acq: 23 Nov 2020 14:05

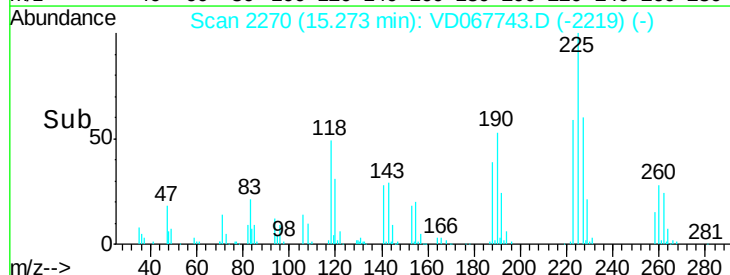
Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	64.1	31.5	94.5	
227	65.8	32.9	98.7	

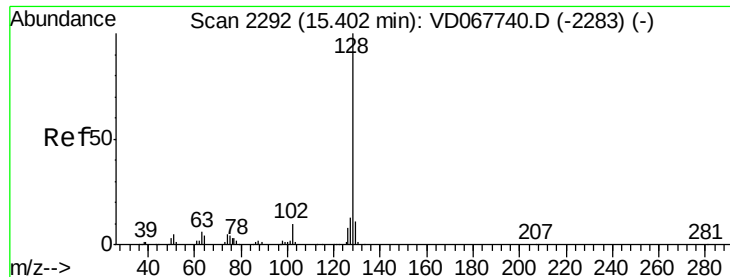


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





#95

Naphthalene

Concen: 51.328 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Instrument :

MSVOA_D

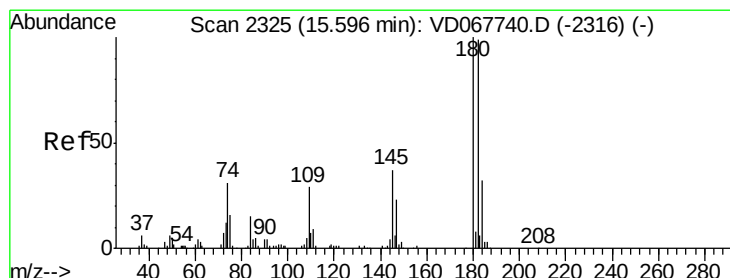
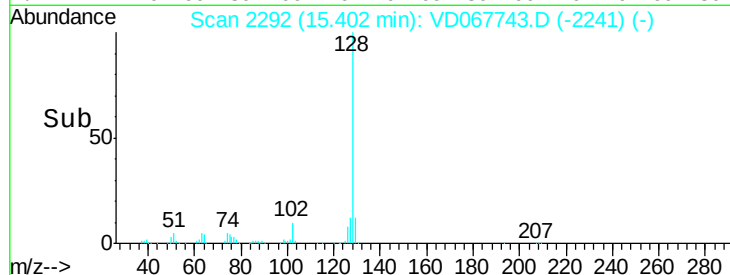
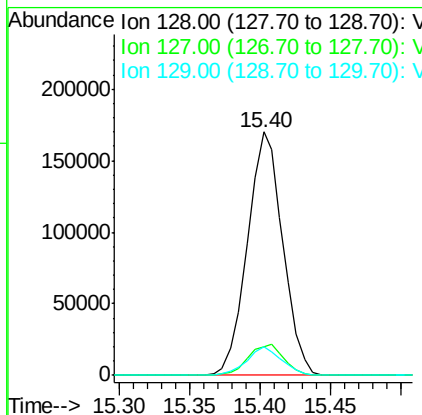
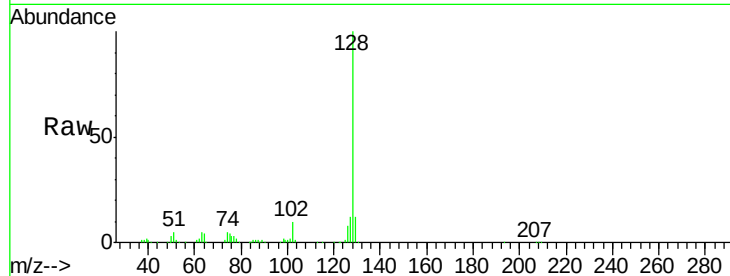
ClientSampleId :

ICVVD112320

Tot Ion:	128	Resp:	298500
Ion Ratio	Lower	Upper	
128	100		
127	13.0	10.7	16.1
129	11.6	8.6	12.8

Manual Integrations
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11/24/2020 2:56:37 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.203 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. 0.00 min

Lab File: VD067743.D

Acq: 23 Nov 2020 14:05

Tgt Ion:	180	Resp:	156724
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.0	144.0
145	34.8	16.8	50.4

