

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD103020\
 Data File : VD067463.D
 Acq On : 30 Oct 2020 10:44
 Operator : VA/SY
 Sample : VD1030SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/2/2020 4:09:30 PM

Quant Time: Oct 30 11:24:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	302565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	453498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	417492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	214332	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	152007	50.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.30%	
35) Dibromofluoromethane	7.92	113	156205	51.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.52%	
50) Toluene-d8	10.34	98	556401	50.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.88%	
62) 4-Bromofluorobenzene	12.64	95	197965	52.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.26%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	50562	18.022	ug/l	95
3) Chloromethane	2.21	50	32423	17.027	ug/l	97
4) Vinyl Chloride	2.35	62	39952	19.122	ug/l	91
5) Bromomethane	2.77	94	31010	19.915	ug/l	95
6) Chloroethane	2.92	64	24315	18.687	ug/l	95
7) Trichlorofluoromethane	3.27	101	108698	20.661	ug/l	93
8) Diethyl Ether	3.71	74	22783	18.925	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	58131	20.797	ug/l	99
10) Methyl Iodide	4.30	142	48309	18.736	ug/l	96
11) Tert butyl alcohol	5.21	59	20576	103.917	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	48398	19.382	ug/l	91
13) Acrolein	3.92	56	7845	61.215	ug/l	100
14) Allyl chloride	4.71	41	54031	18.894	ug/l	98
15) Acrylonitrile	5.43	53	41593	103.543	ug/l	97
16) Acetone	4.16	43	45764	107.800	ug/l	94
17) Carbon Disulfide	4.41	76	126530	17.774	ug/l	100
18) Methyl Acetate	4.71	43	19283	19.915	ug/l	92
19) Methyl tert-butyl Ether	5.48	73	98409	19.819	ug/l	99
20) Methylene Chloride	4.97	84	61175	19.784	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	57848	20.131	ug/l	86
22) Diisopropyl ether	6.37	45	106934	20.470	ug/l	97
23) Vinyl Acetate	6.31	43	299109	100.642	ug/l	97
24) 1,1-Dichloroethane	6.27	63	90293	20.192	ug/l	94
25) 2-Butanone	7.21	43	48322	99.856	ug/l	90
26) 2,2-Dichloropropane	7.21	77	95027	20.617	ug/l	100
27) cis-1,2-Dichloroethene	7.22	96	62759	19.927	ug/l	97
28) Bromochloromethane	7.56	49	29566	19.384	ug/l #	99
29) Tetrahydrofuran	7.57	42	27003	100.383	ug/l	94
30) Chloroform	7.71	83	112621	21.082	ug/l	96
31) Cyclohexane	7.99	56	65161	18.664	ug/l	84
32) 1,1,1-Trichloroethane	7.90	97	109685	20.927	ug/l	98
36) 1,1-Dichloropropene	8.12	75	76481	19.898	ug/l	97
37) Ethyl Acetate	7.30	43	23525	20.802	ug/l	94
38) Carbon Tetrachloride	8.10	117	102266	20.817	ug/l	99

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	80912	20.136	ug/l	95
40) Benzene	8.36	78	215209	20.409	ug/l	98
41) Methacrylonitrile	7.54	41	12316m	20.153	ug/l	
42) 1,2-Dichloroethane	8.43	62	69457	21.048	ug/l	100
43) Isopropyl Acetate	8.46	43	44905	20.011	ug/l	97
44) Trichloroethene	9.12	130	70029	20.742	ug/l	91
45) 1,2-Dichloropropane	9.39	63	49829	20.390	ug/l	96
46) Dibromomethane	9.48	93	31452	20.656	ug/l	93
47) Bromodichloromethane	9.67	83	86421	21.184	ug/l #	97
48) Methyl methacrylate	9.46	41	20642	18.929	ug/l	95
49) 1,4-Dioxane	9.48	88	6383	415.434	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	110232	98.490	ug/l	98
52) Toluene	10.41	92	149996	20.885	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	75129	20.965	ug/l	94
54) cis-1,3-Dichloropropene	10.10	75	82881	19.762	ug/l	95
55) 1,1,2-Trichloroethane	10.81	97	44560	21.461	ug/l	97
56) Ethyl methacrylate	10.67	69	43535	20.217	ug/l	97
57) 1,3-Dichloropropane	10.96	76	70579	21.360	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	112903	102.205	ug/l	98
59) 2-Hexanone	10.99	43	77408	101.213	ug/l	98
60) Dibromochloromethane	11.15	129	61196	20.210	ug/l	99
61) 1,2-Dibromoethane	11.25	107	41324	20.188	ug/l	99
64) Tetrachloroethene	10.88	164	62415	20.634	ug/l	91
65) Chlorobenzene	11.68	112	168394	21.034	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	67387	21.178	ug/l	98
67) Ethyl Benzene	11.75	91	286658	20.888	ug/l	98
68) m/p-Xylenes	11.86	106	225077	42.590	ug/l	99
69) o-Xylene	12.18	106	99936	20.421	ug/l	99
70) Styrene	12.20	104	177864	21.113	ug/l	98
71) Bromoform	12.37	173	35231	20.610	ug/l #	97
73) Isopropylbenzene	12.48	105	286071	21.030	ug/l	100
74) N-amyl acetate	12.29	43	39683	19.315	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	42748	20.510	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	28755m	19.357	ug/l	
77) Bromobenzene	12.77	156	72336	21.330	ug/l	99
78) n-propylbenzene	12.83	91	335318	21.276	ug/l	100
79) 2-Chlorotoluene	12.91	91	187661	20.532	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	253205	21.420	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	13479	20.576	ug/l	97
82) 4-Chlorotoluene	13.01	91	201537	20.775	ug/l	97
83) tert-Butylbenzene	13.23	119	209333	20.964	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	248791	21.294	ug/l	100
85) sec-Butylbenzene	13.41	105	288659	21.068	ug/l	99
86) p-Isopropyltoluene	13.53	119	273271	21.131	ug/l	98
87) 1,3-Dichlorobenzene	13.53	146	140644	21.546	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	136810	21.154	ug/l	98
89) n-Butylbenzene	13.85	91	240265	21.118	ug/l	99
90) Hexachloroethane	14.11	117	46797	20.737	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	119668	20.985	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	7388	19.511	ug/l	91

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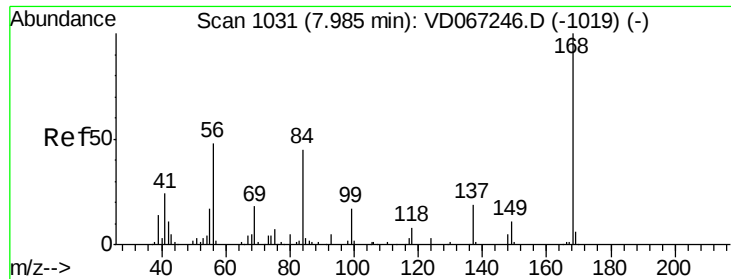
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	81286	21.142	ug/l	98
94) Hexachlorobutadiene	15.27	225	51065	21.388	ug/l	98
95) Naphthalene	15.41	128	126978	20.116	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	68402	20.594	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion:168 Resp: 302565

Ion Ratio Lower Upper

168 100

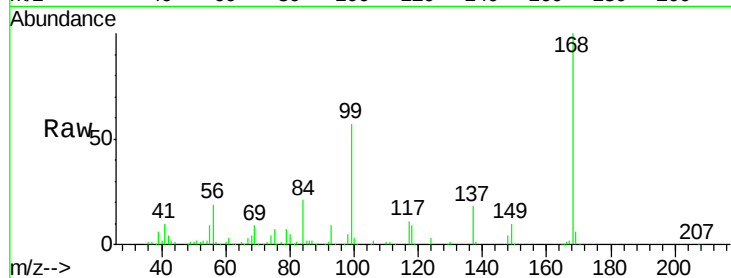
99 56.1 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

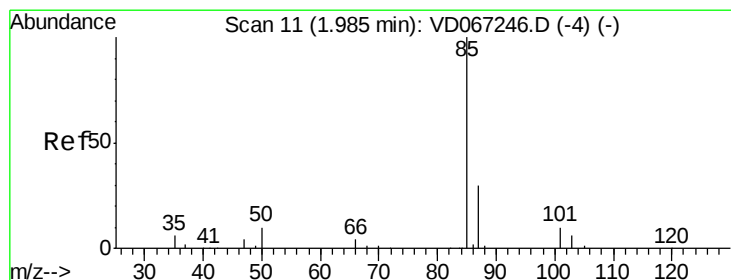
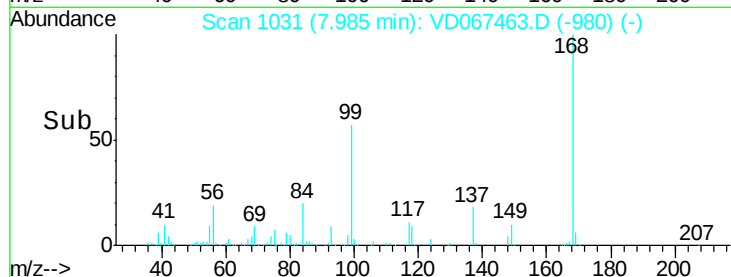
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50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 18.022 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067463.D

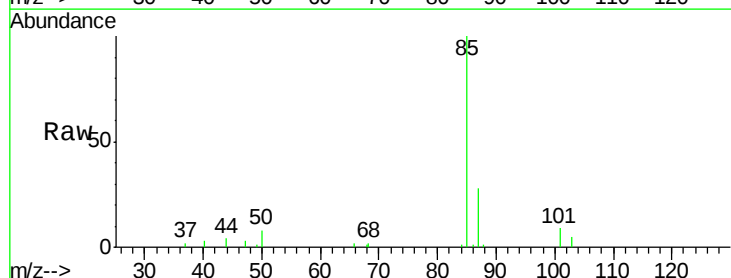
Acq: 30 Oct 2020 10:44

Tgt Ion: 85 Resp: 50562

Ion Ratio Lower Upper

85 100

87 27.8 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

40000

30000

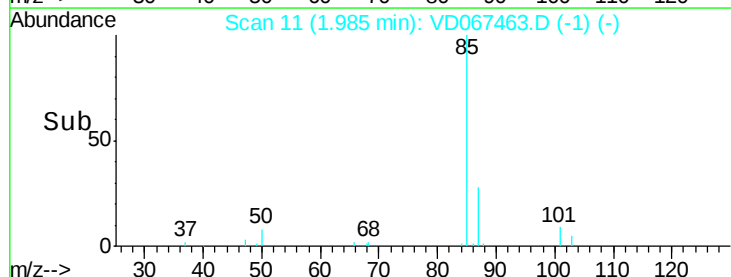
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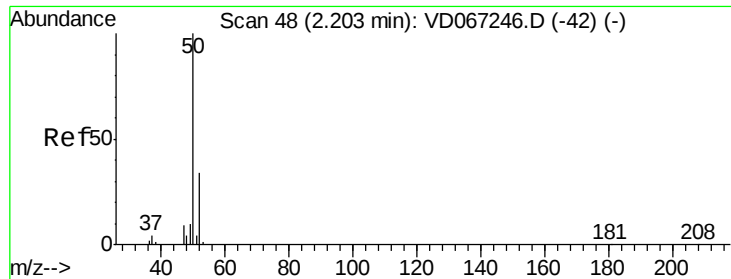
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0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 17.027 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 50 Resp: 32423

Ion Ratio Lower Upper

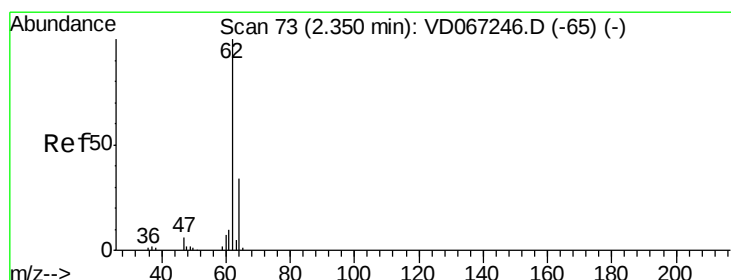
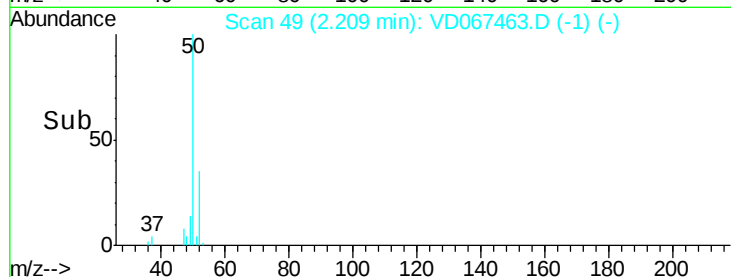
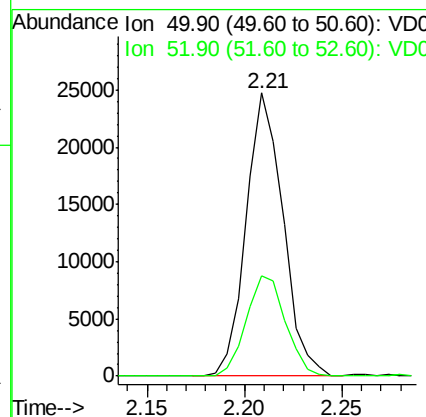
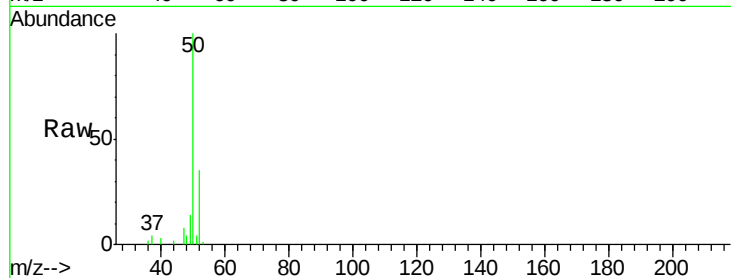
50 100

52 35.4 27.1 40.7

Manual Integrations
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#4

Vinyl Chloride

Concen: 19.122 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067463.D

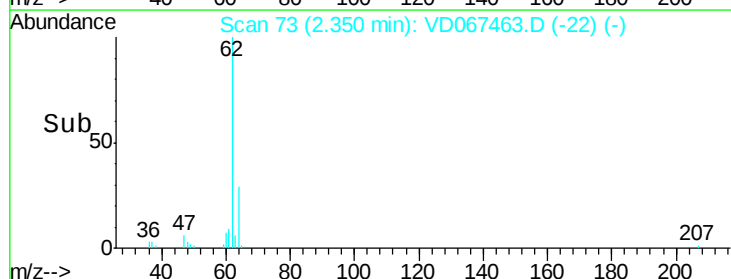
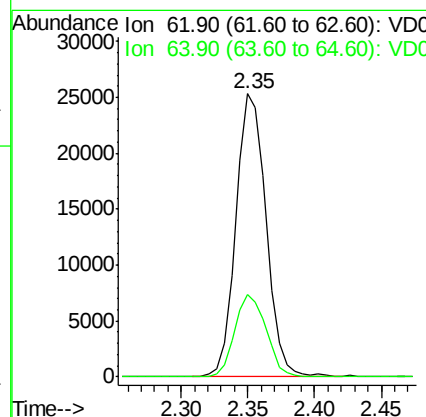
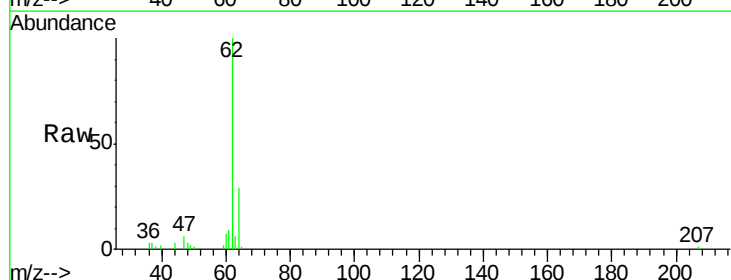
Acq: 30 Oct 2020 10:44

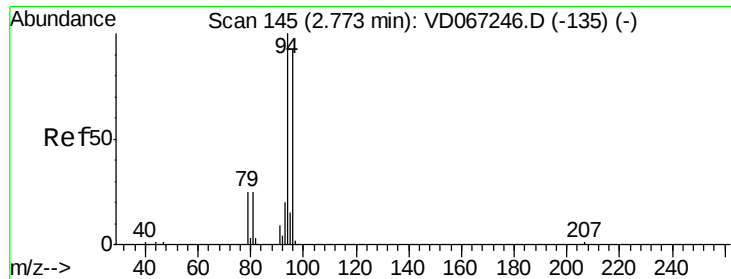
Tgt Ion: 62 Resp: 39952

Ion Ratio Lower Upper

62 100

64 29.0 27.4 41.0





#5

Bromomethane

Concen: 19.915 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 94 Resp: 31010

Ion Ratio Lower Upper

94 100

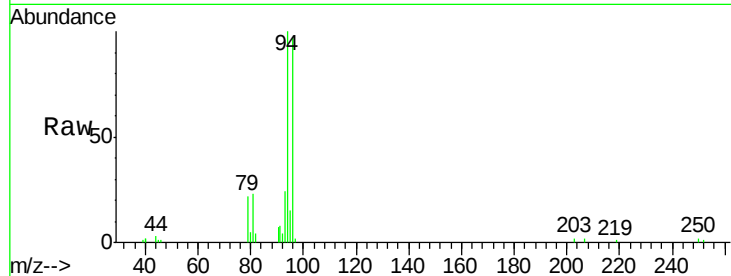
96 97.1 73.8 110.6

Manual Integrations

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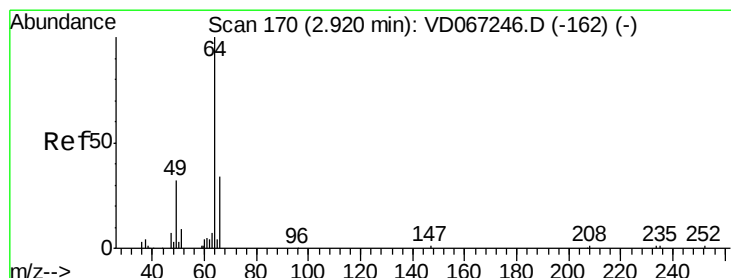
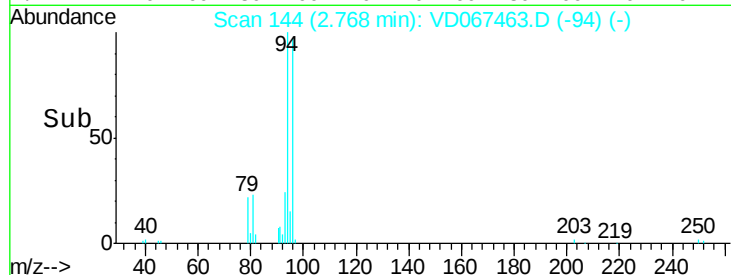
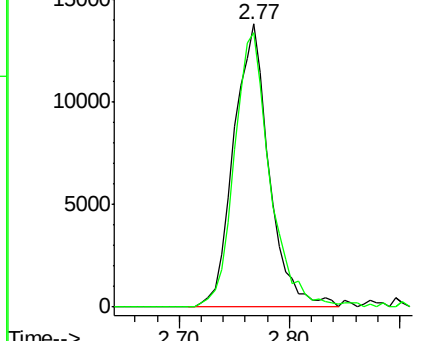
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 18.687 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067463.D

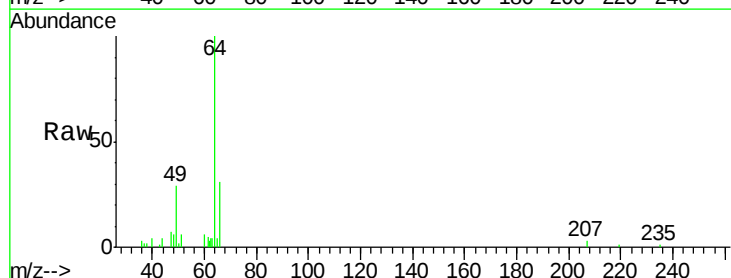
Acq: 30 Oct 2020 10:44

Tgt Ion: 64 Resp: 24315

Ion Ratio Lower Upper

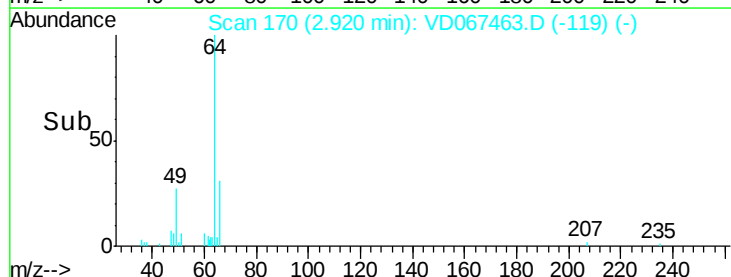
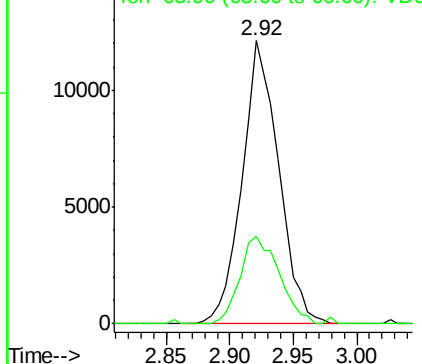
64 100

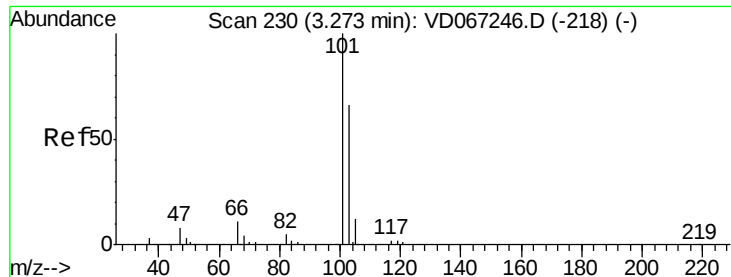
66 31.2 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

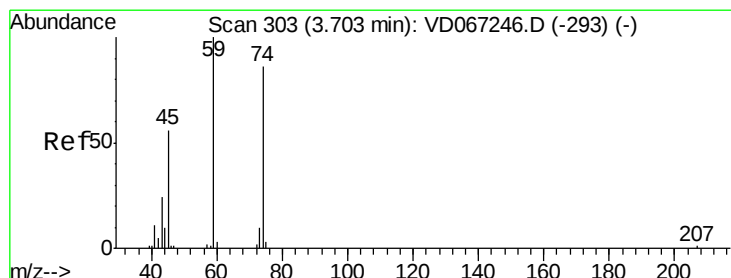
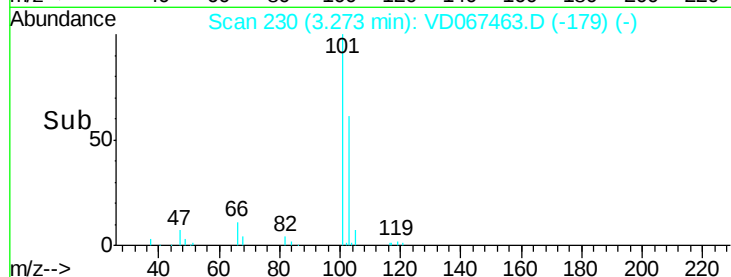
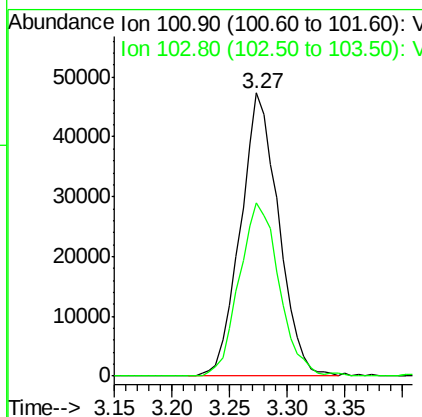
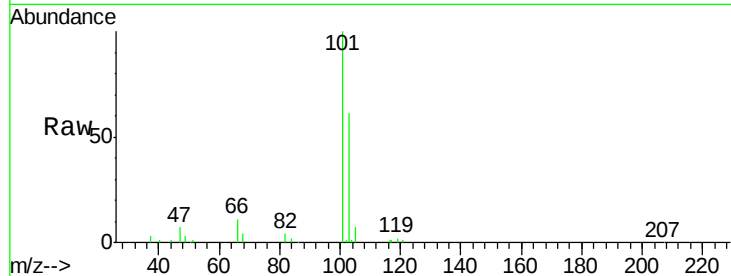
Trichlorofluoromethane
 Concen: 20.661 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067463.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.1	53.1	79.7

Manual Integrations
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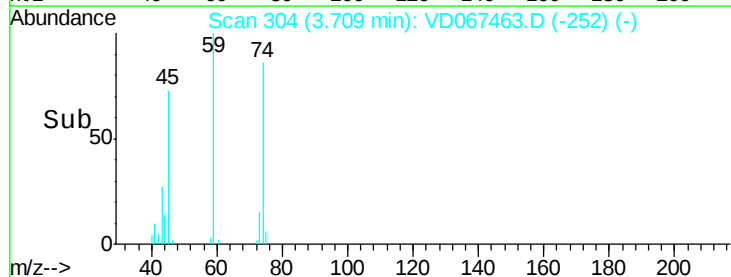
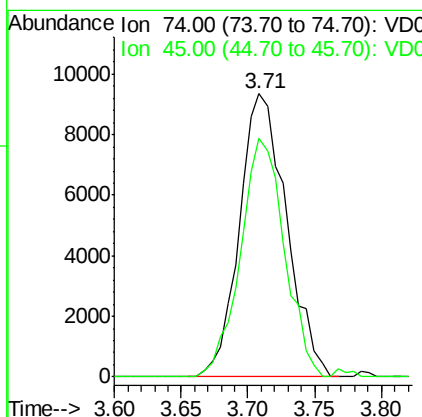
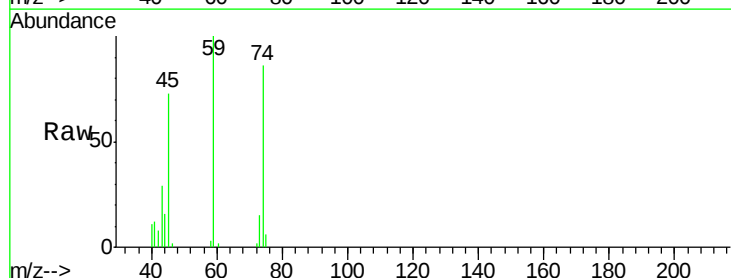
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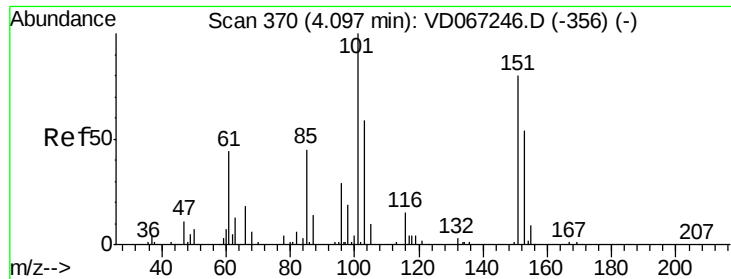


#8

Diethyl Ether
 Concen: 18.925 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
74	100		
45	79.0	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.797 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

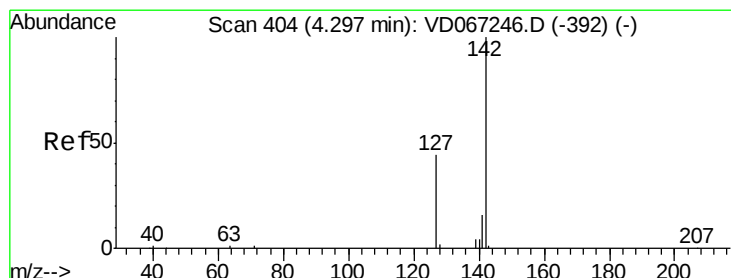
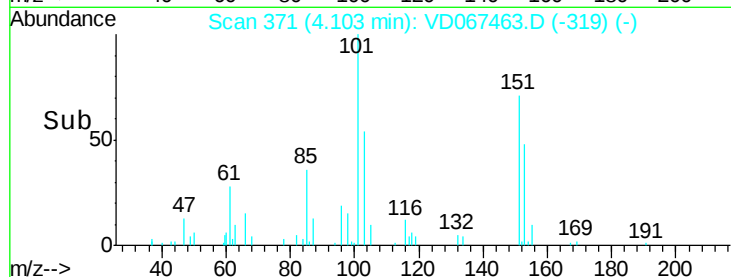
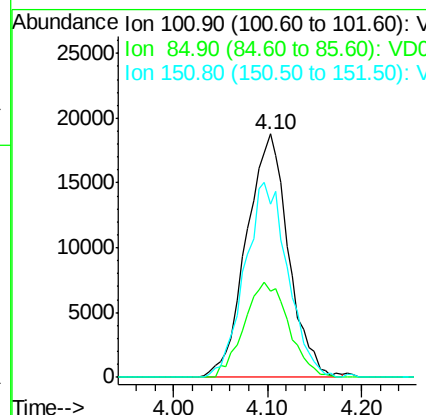
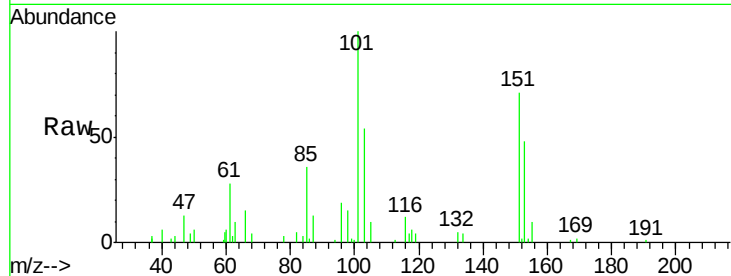
ClientSampleId :

VD1030SBS01

Tot Ion:	101	Resp:	58131
Ion Ratio	Lower	Upper	
101	100		
85	41.5	34.2	51.4
151	81.9	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 18.736 ug/l

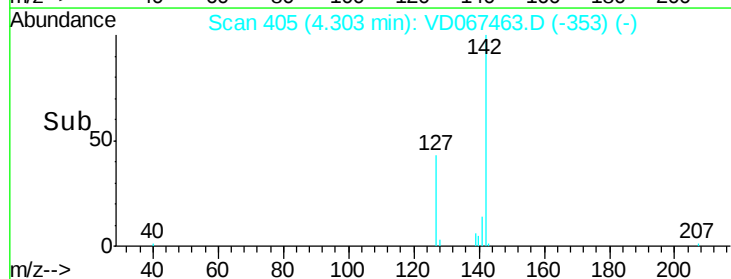
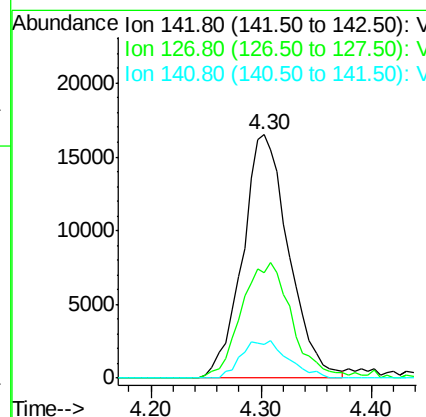
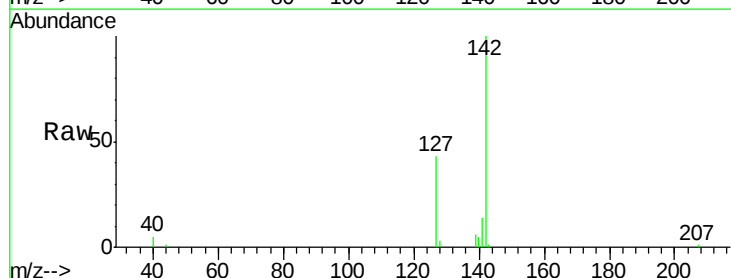
RT: 4.30 min Scan# 405

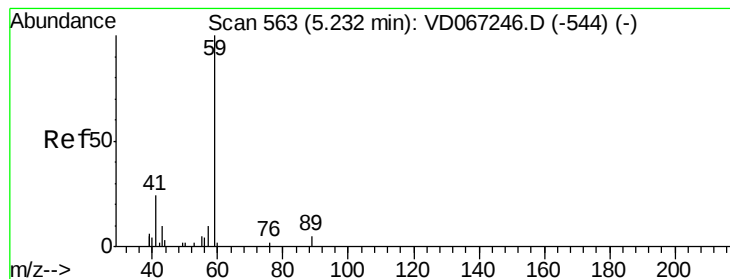
Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tgt Ion:	142	Resp:	48309
Ion Ratio	Lower	Upper	
142	100		
127	51.5	38.4	57.6
141	15.4	11.6	17.4





#11

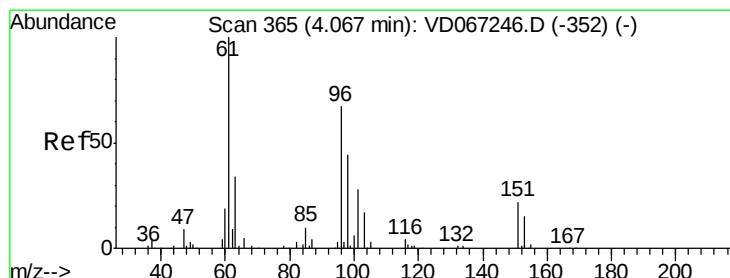
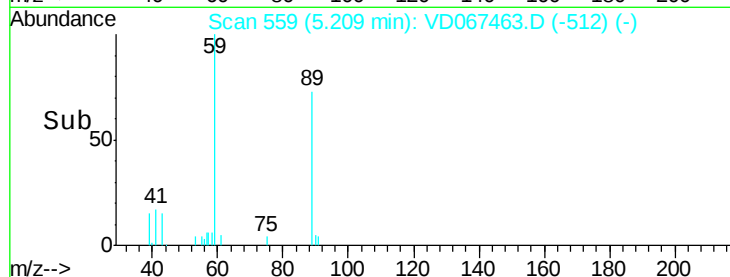
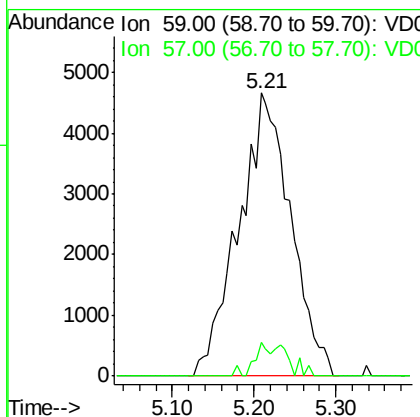
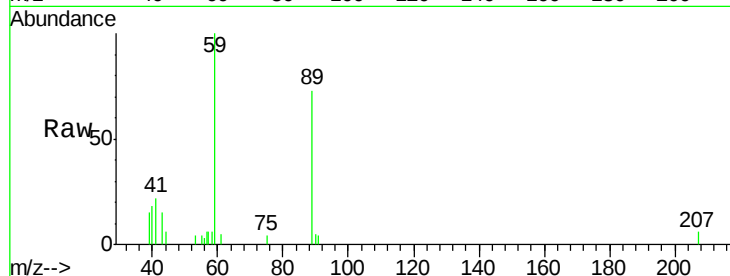
Tert butyl alcohol
Concen: 103.917 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 59 Resp: 20576
Ion Ratio Lower Upper
59 100
57 3.2 5.1 7.7#

Manual Integrations
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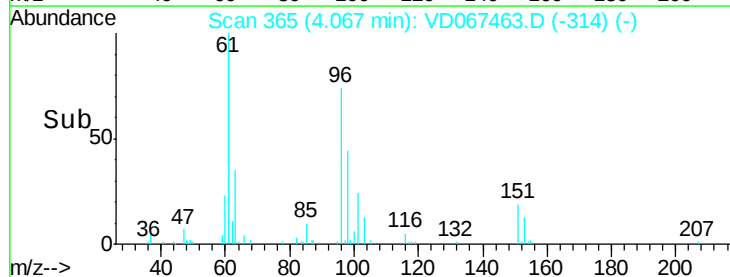
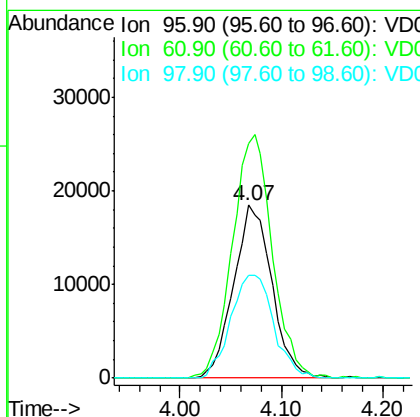
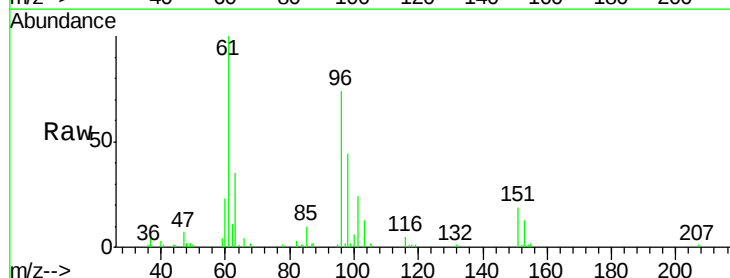
MMDadoda
11/2/2020 4:09:30 PM

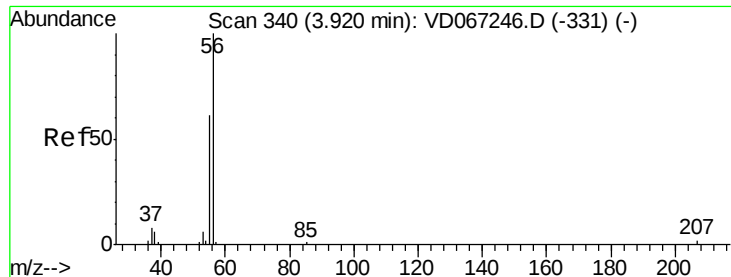


#12

1,1-Dichloroethene
Concen: 19.382 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 96 Resp: 48398
Ion Ratio Lower Upper
96 100
61 135.8 118.6 177.8
98 59.6 51.8 77.6





#13

Acrolein

Concen: 61.215 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 56 Resp: 7845

Ion Ratio Lower Upper

56 100

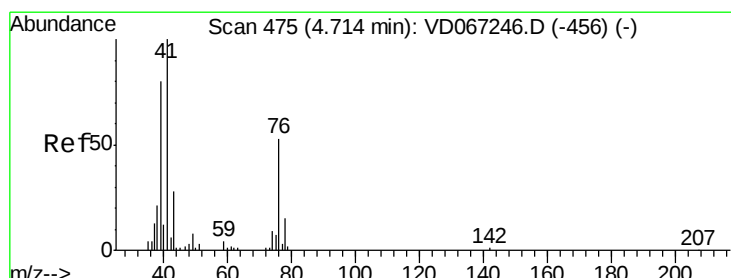
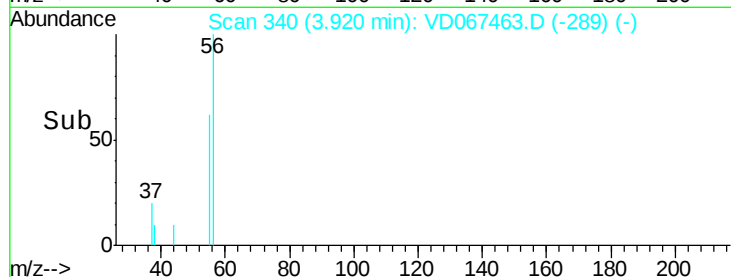
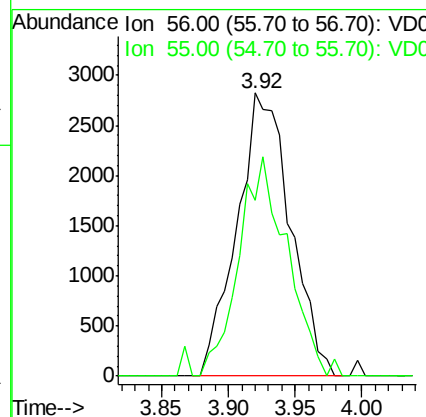
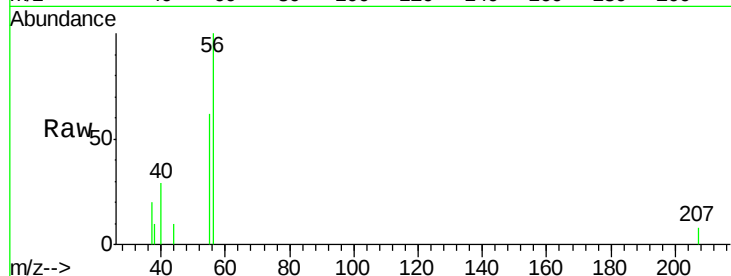
55 70.4 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 18.894 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

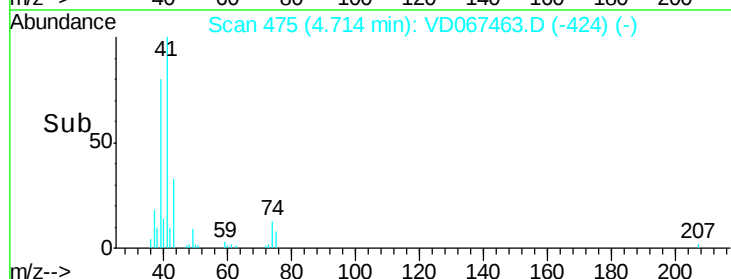
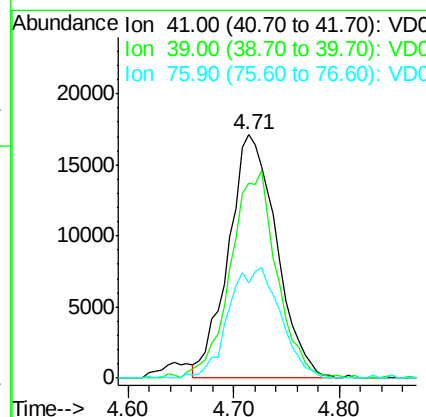
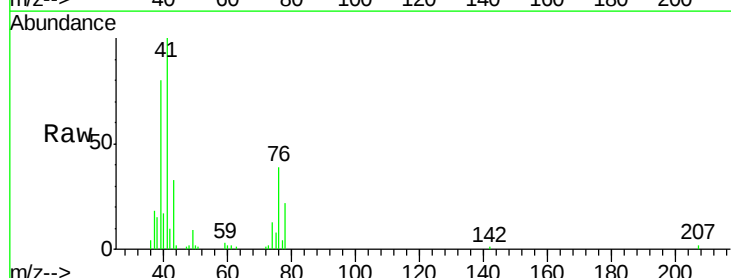
Tgt Ion: 41 Resp: 54031

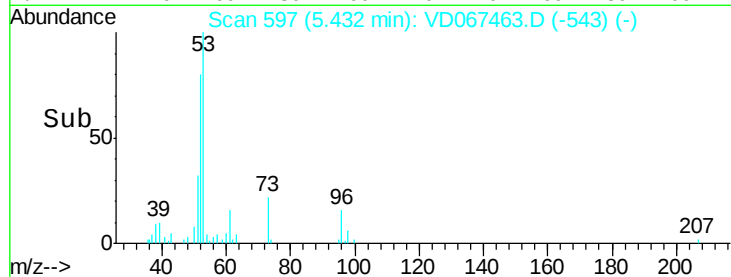
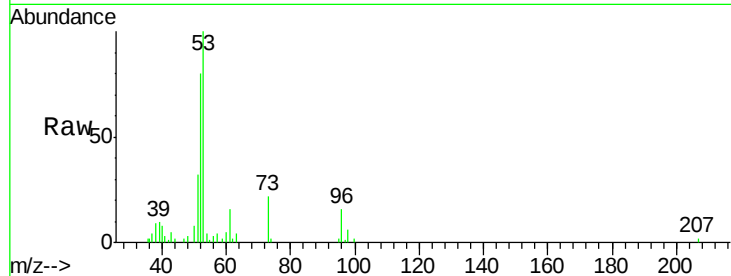
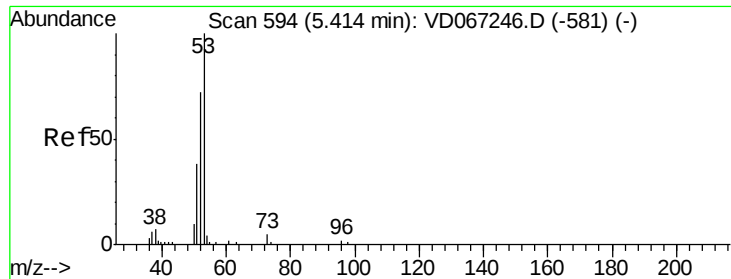
Ion Ratio Lower Upper

41 100

39 81.5 63.8 95.6

76 48.9 40.4 60.6





#15

Acrylonitrile

Concen: 103.543 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.02 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tot Ion:	53	Resp:	41593
Ion Ratio	Lower	Upper	
53	100		
52	80.5	65.6	98.4
51	35.9	30.8	46.2

Instrument :

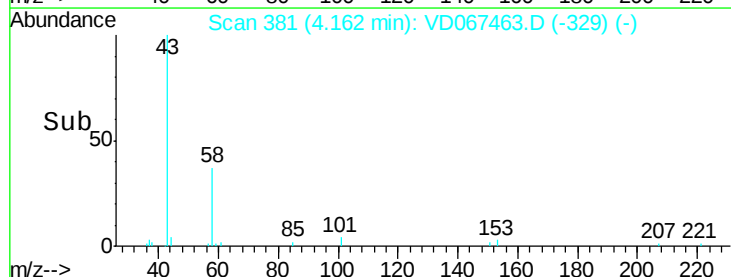
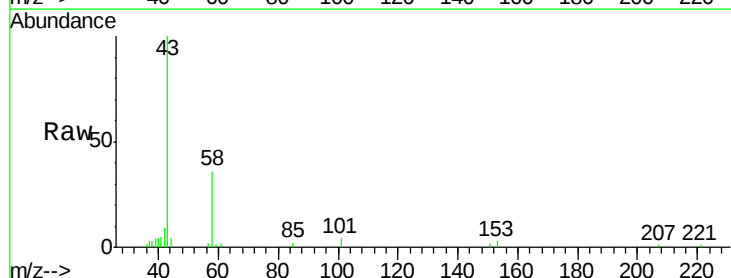
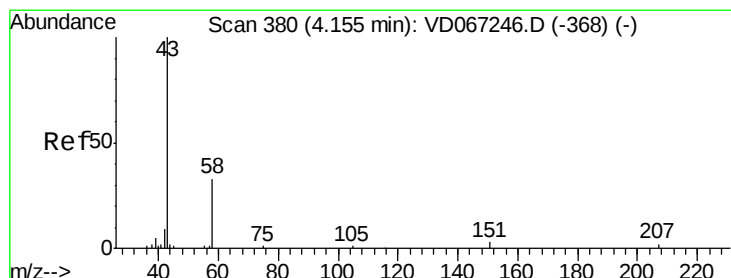
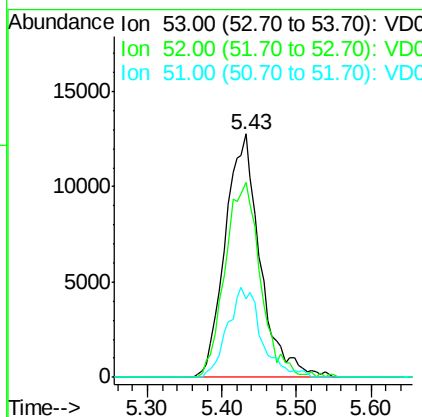
MSVOA_D

ClientSampleId :

VD1030SBS01

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#16

Acetone

Concen: 107.800 ug/l

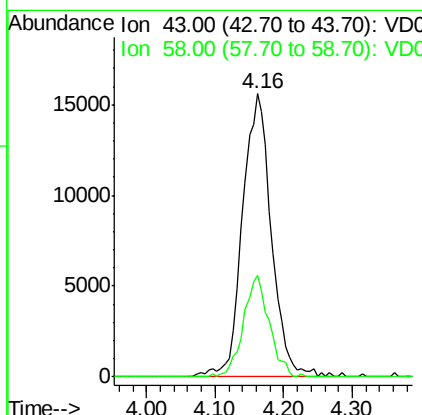
RT: 4.16 min Scan# 381

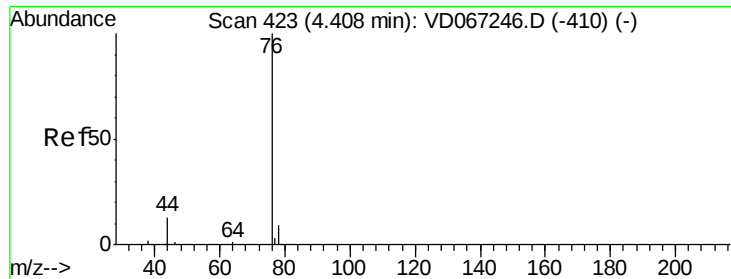
Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tgt Ion:	43	Resp:	45764
Ion Ratio	Lower	Upper	
43	100		
58	36.0	26.1	39.1





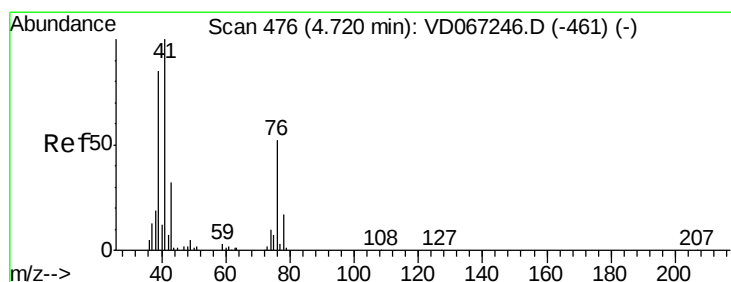
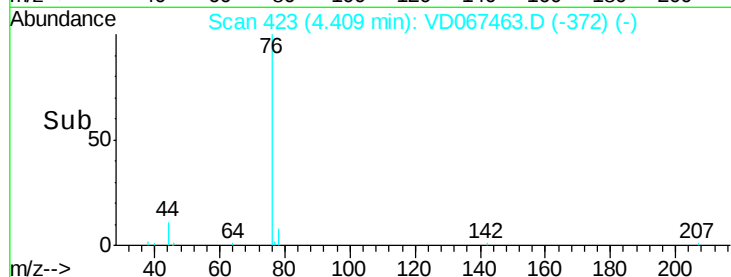
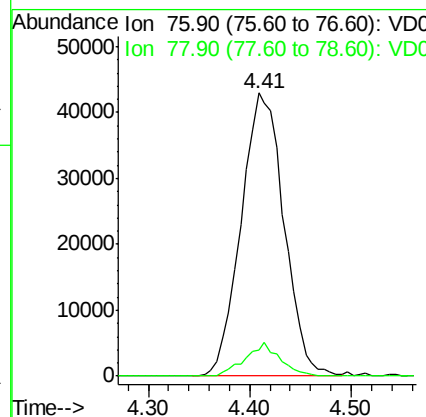
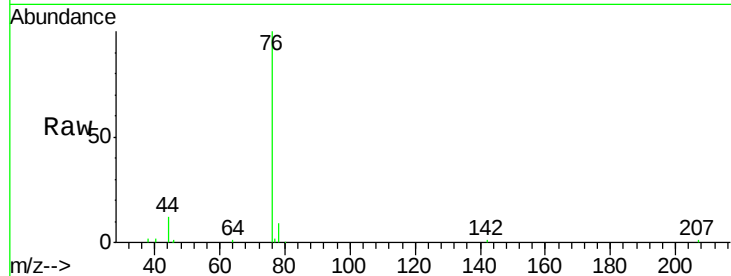
#17
Carbon Disulfide
Concen: 17.774 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.4	11.0

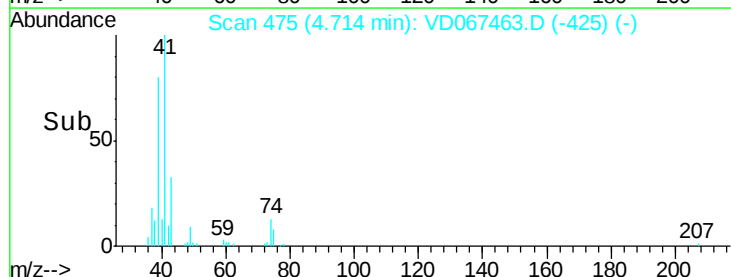
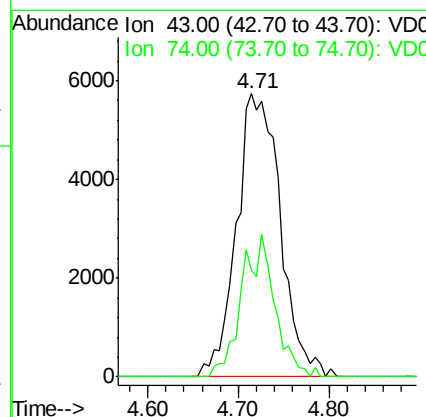
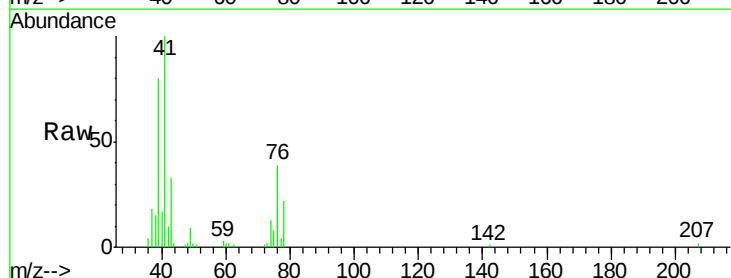
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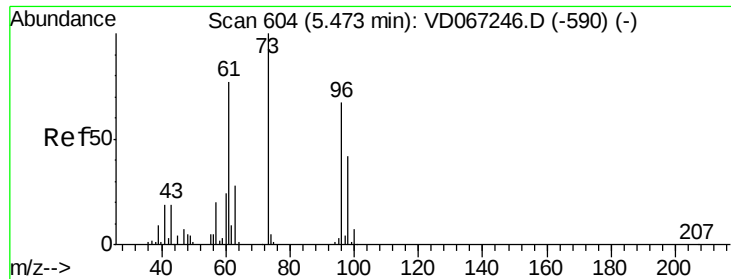
MMDadoda
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#18
Methyl Acetate
Concen: 19.915 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
43	100		
74	37.8	26.6	39.8





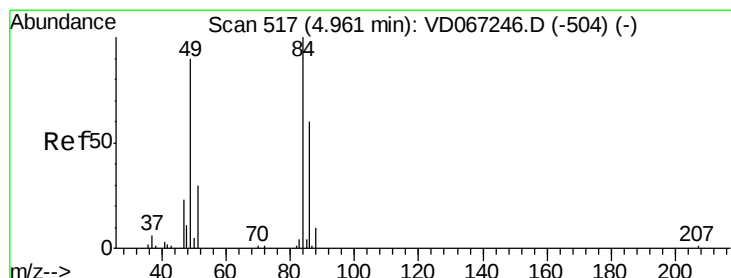
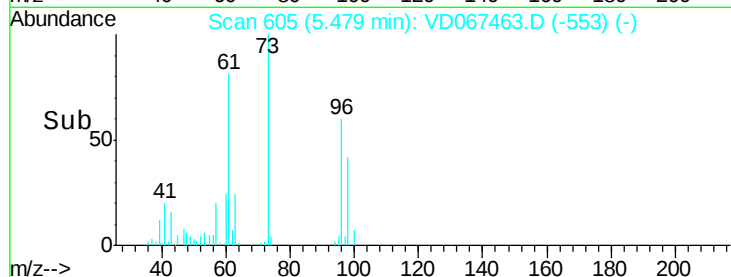
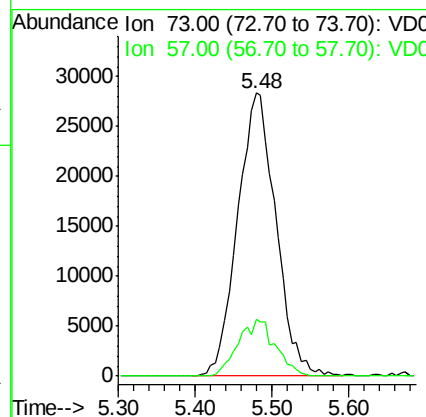
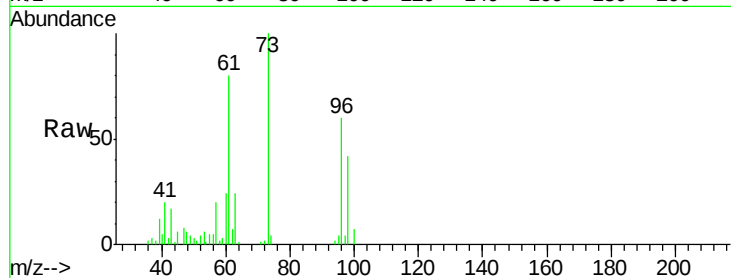
#19
Methvl tert-butvl Ether
Concen: 19.819 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 73 Resp: 98409
Ion Ratio Lower Upper
73 100
57 20.1 15.7 23.5

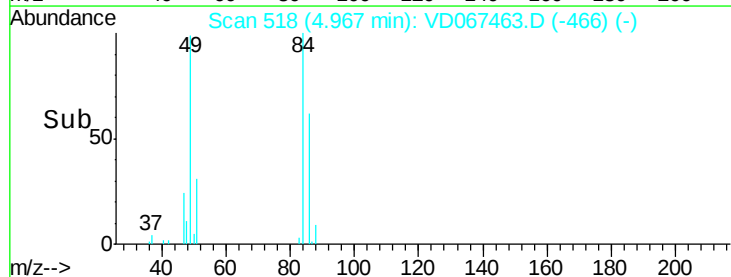
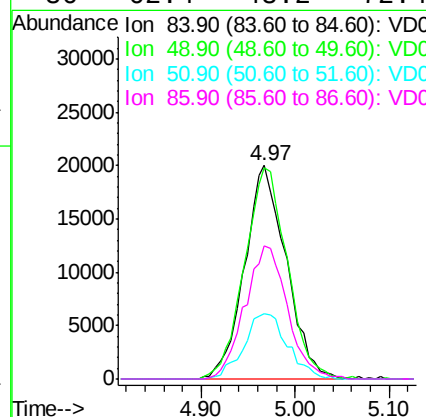
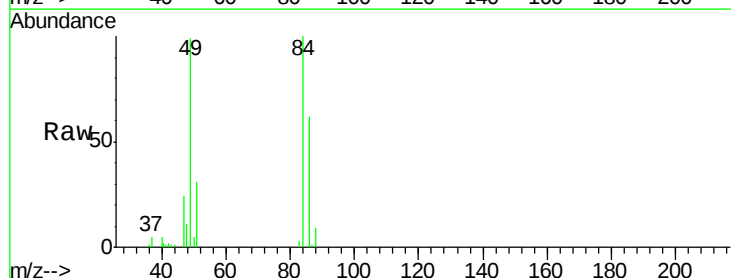
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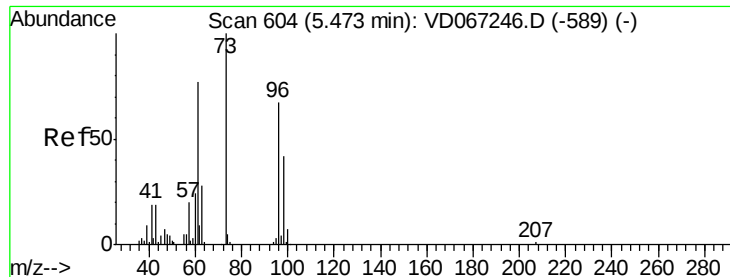
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#20
Methylene Chloride
Concen: 19.784 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 84 Resp: 61175
Ion Ratio Lower Upper
84 100
49 99.1 72.2 108.2
51 30.6 23.8 35.8
86 62.4 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 20.131 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 96 Resp: 57848

Ion Ratio Lower Upper

96 100

61 98.1 92.0 138.0

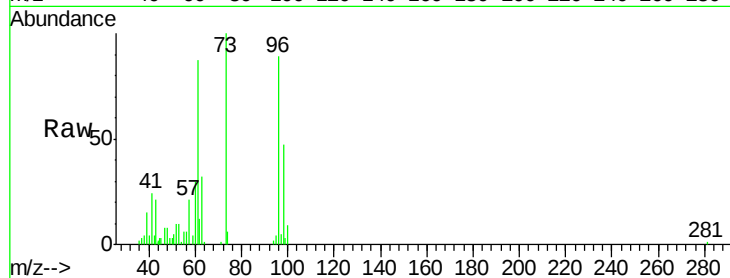
98 52.9 49.8 74.8

Manual Integrations

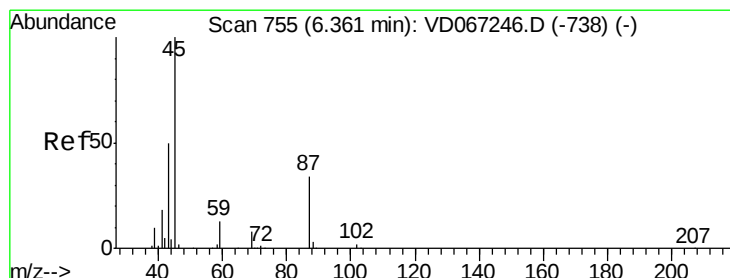
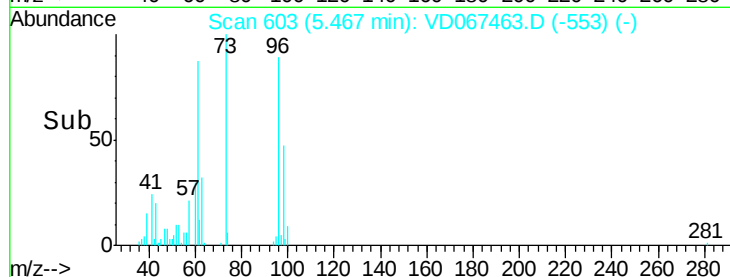
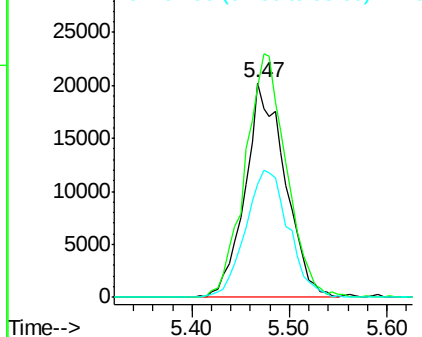
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 20.470 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tgt Ion: 45 Resp: 106934

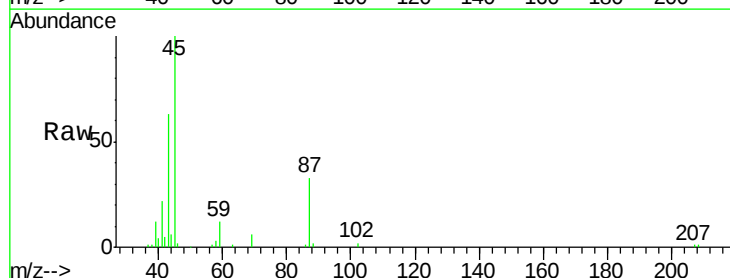
Ion Ratio Lower Upper

45 100

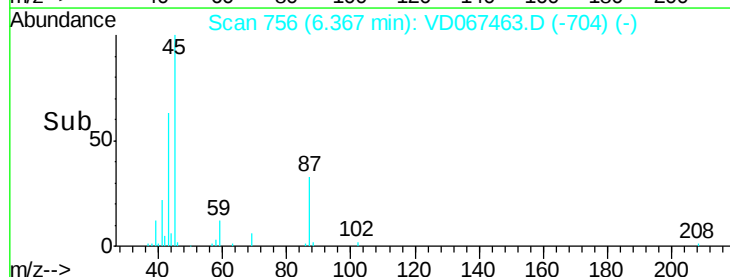
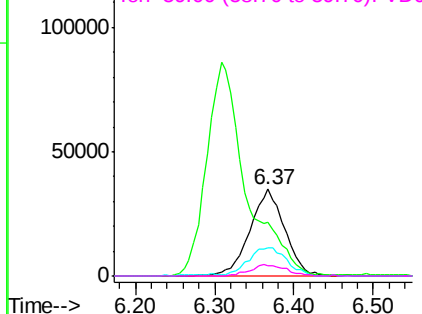
43 61.8 48.0 72.0

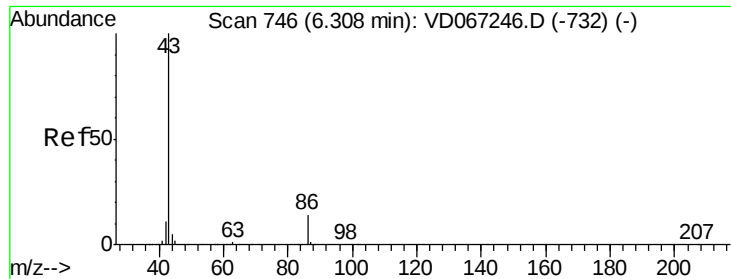
87 32.6 28.5 42.7

59 11.9 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





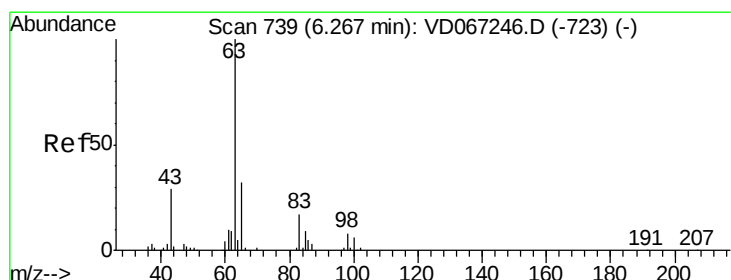
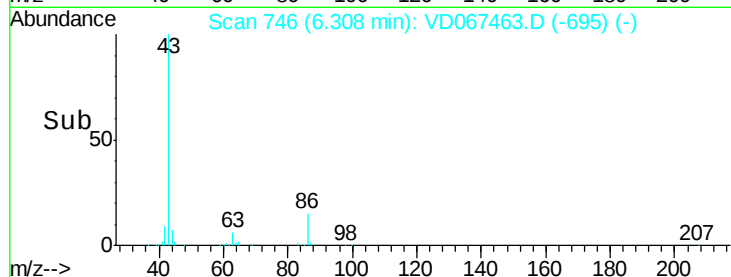
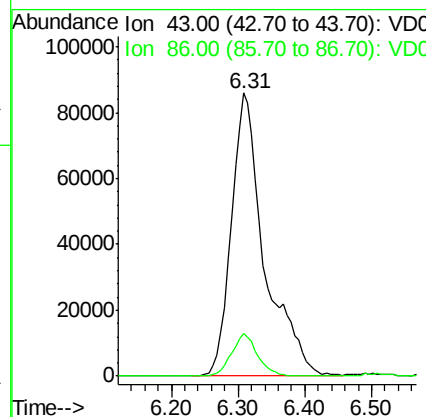
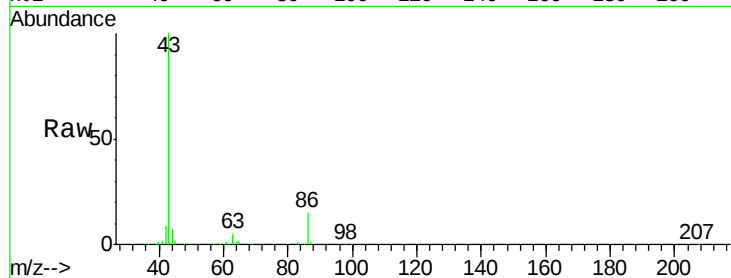
#23
 Vinyl Acetate
 Concen: 100.642 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	15.2	11.0	16.6

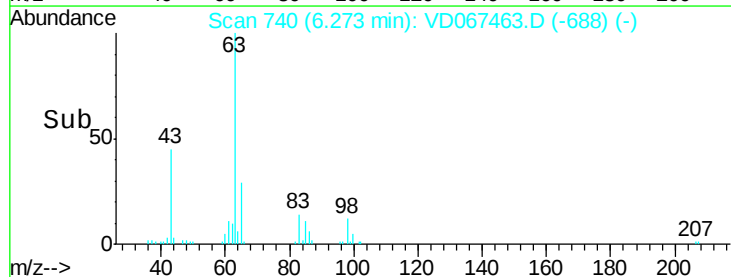
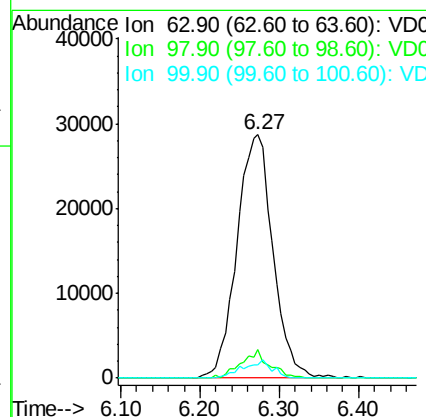
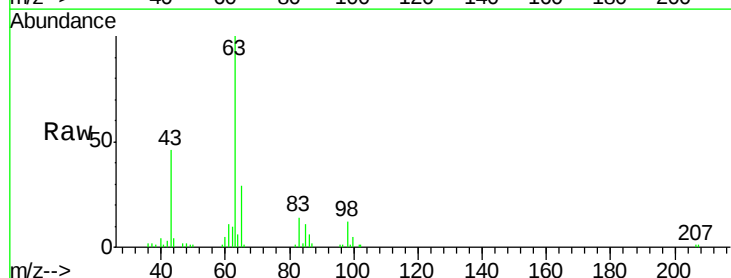
Manual Integrations
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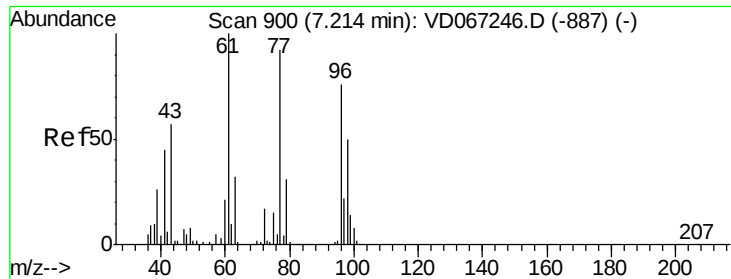
MMDadoda
 11/2/2020 4:09:30 PM



#24
 1,1-Dichloroethane
 Concen: 20.192 ug/l
 RT: 6.27 min Scan# 740
 Delta R.T. 0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
63	100		
98	11.5	4.0	12.2
100	5.5	2.8	8.4





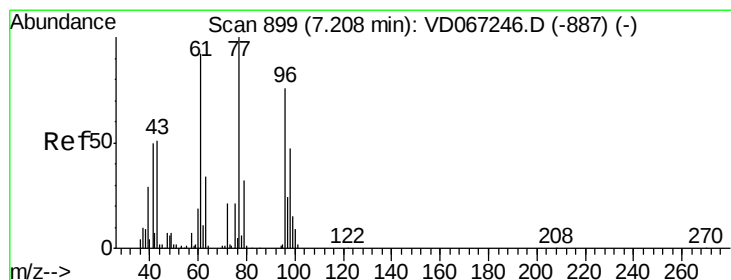
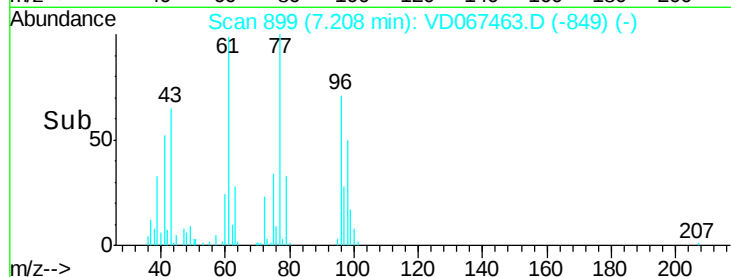
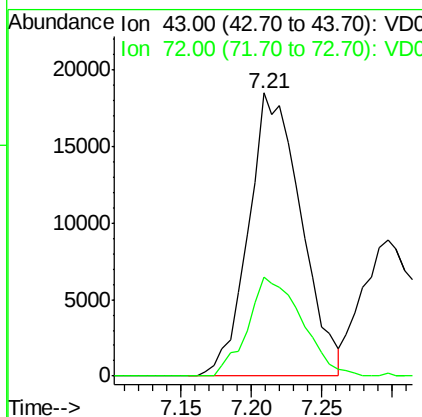
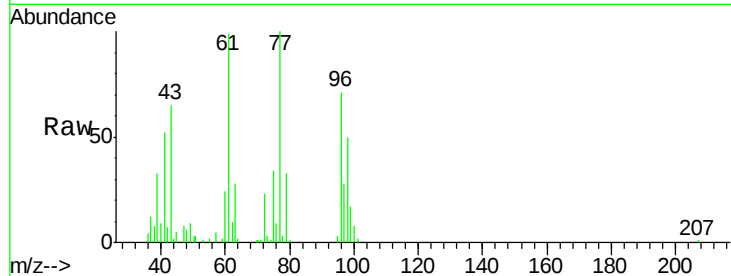
#25
2-Butanone
Concen: 99.856 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 43 Resp: 48322
Ion Ratio Lower Upper
43 100
72 35.2 23.7 35.5

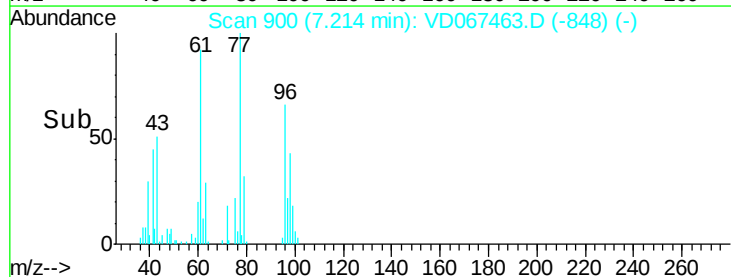
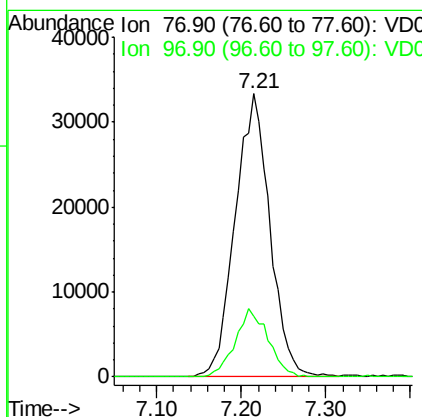
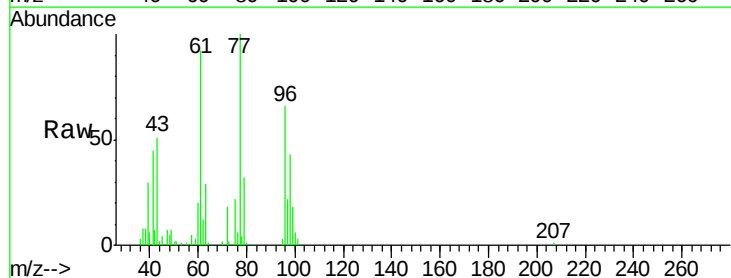
Manual Integrations
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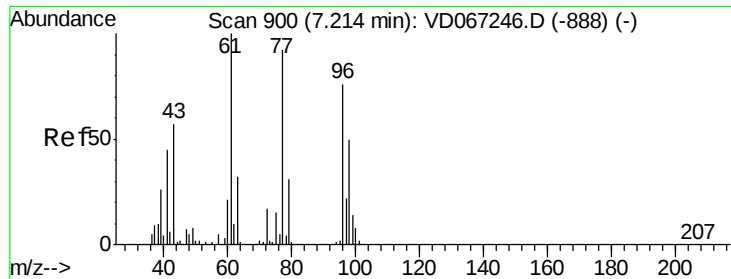
MMDadoda
11/2/2020 4:09:30 PM



#26
2,2-Dichloropropane
Concen: 20.617 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 77 Resp: 95027
Ion Ratio Lower Upper
77 100
97 22.9 11.4 34.2





#27

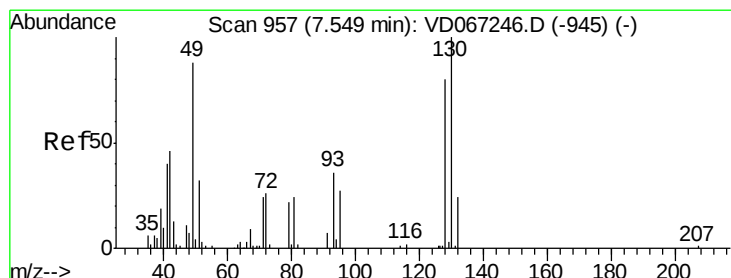
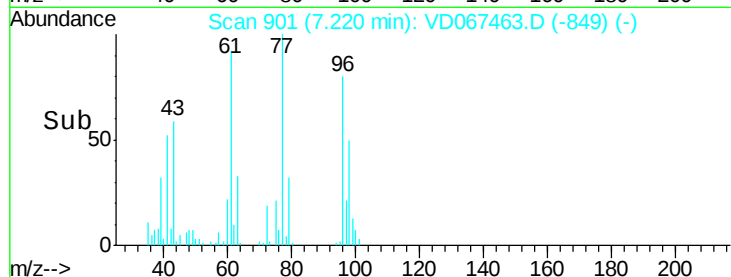
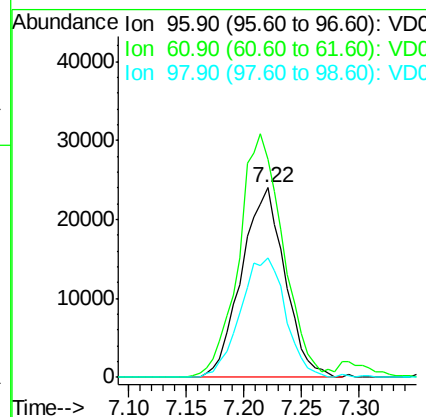
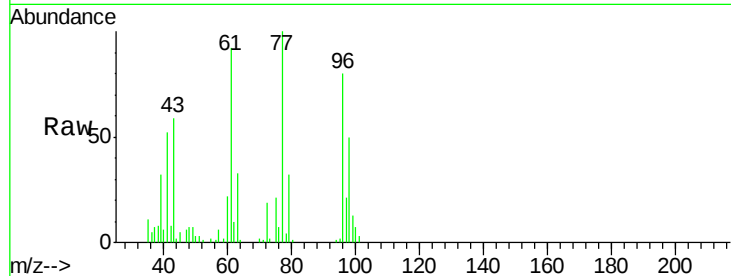
cis-1,2-Dichloroethene
Concen: 19.927 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.1	0.0	255.4
98	65.3	0.0	128.0

Manual Integrations
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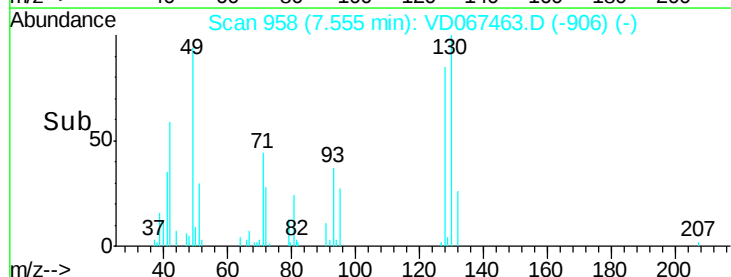
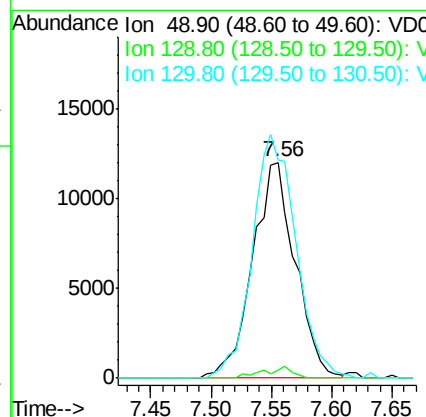
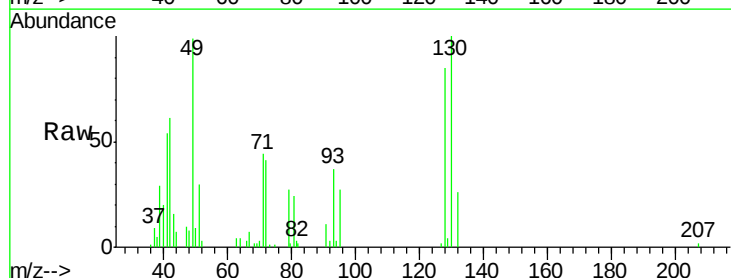
MMDadoda
11/2/2020 4:09:30 PM

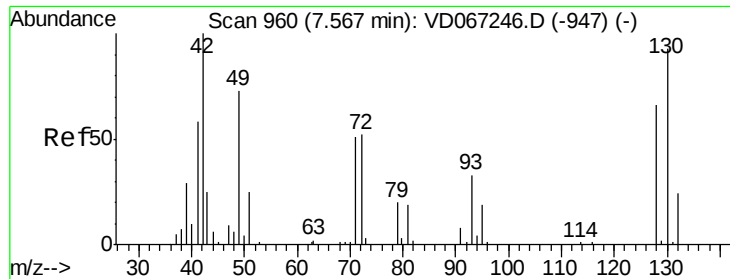


#28

Bromochloromethane
Concen: 19.384 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	1.6#
130	115.1	91.0	136.6





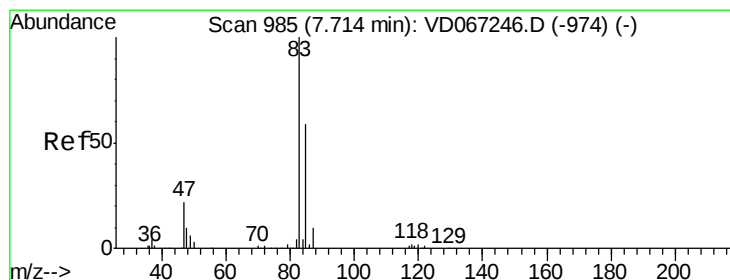
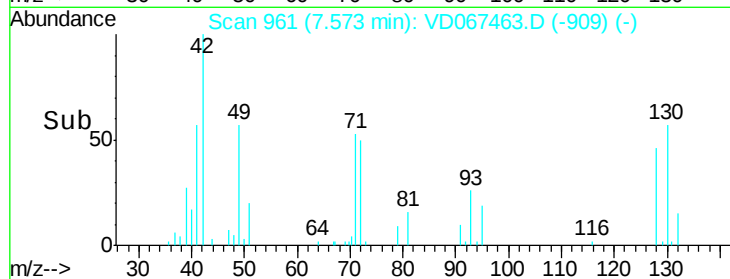
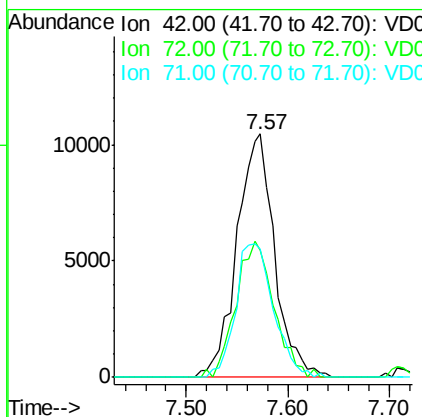
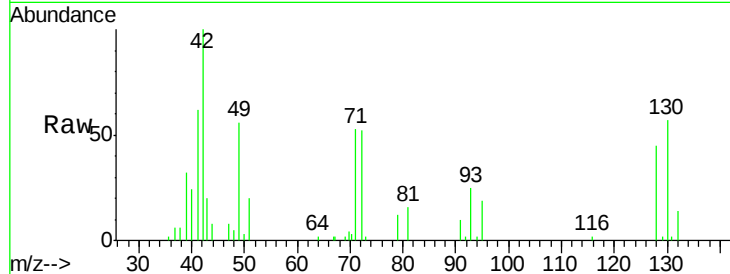
#29
Tetrahydrofuran
Concen: 100.383 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.6	43.2	64.8
71	55.3	39.4	59.0

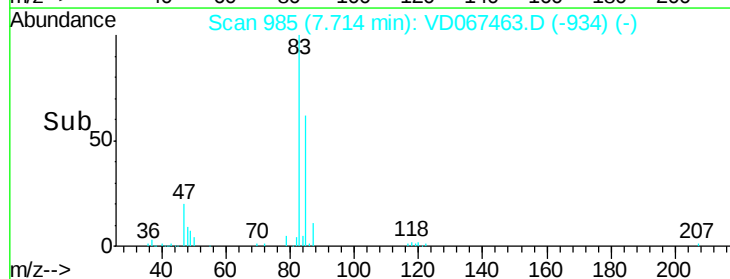
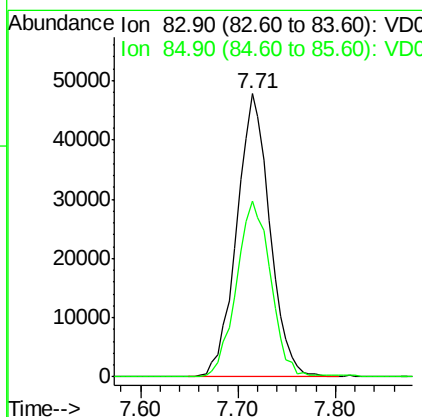
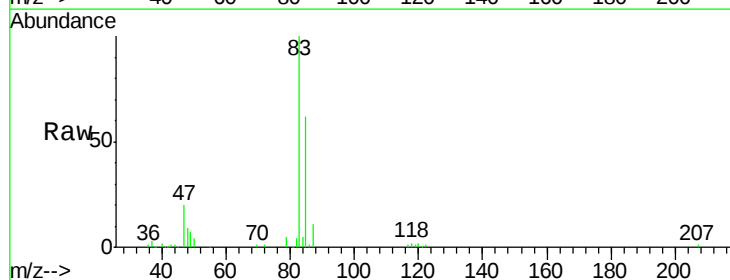
Manual Integrations
APPROVED

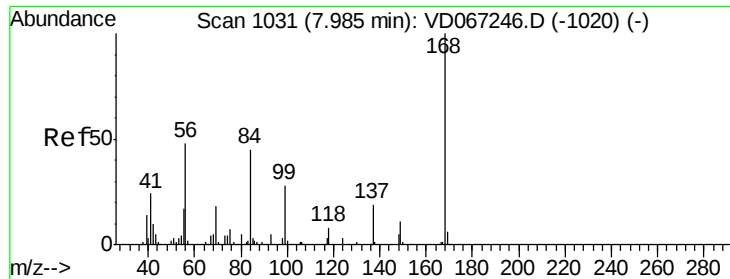
MMDadoda
11/2/2020 4:09:30 PM



#30
Chloroform
Concen: 21.082 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	47.3	70.9





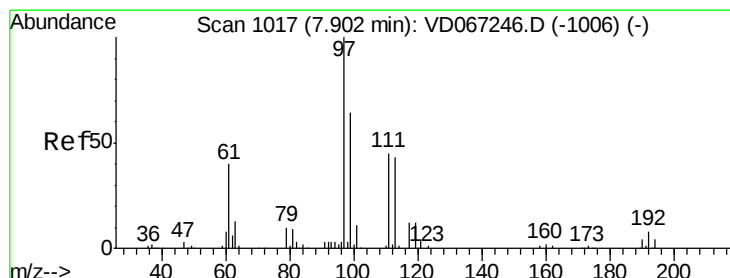
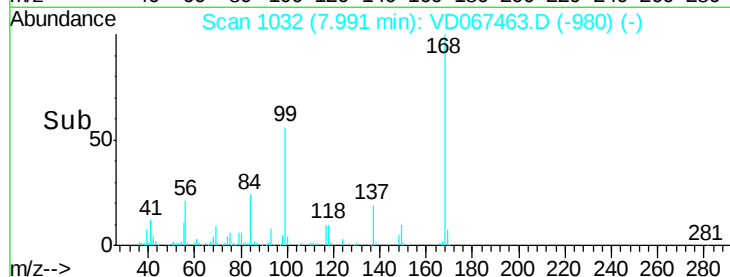
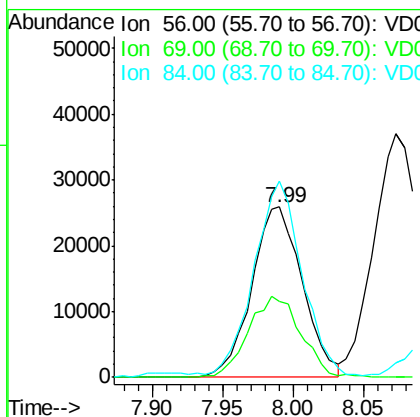
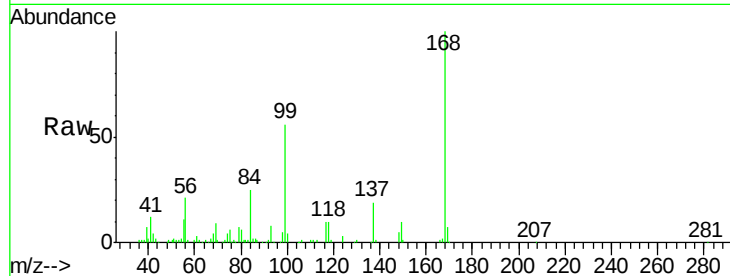
#31
Cyclohexane
Concen: 18.664 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	44.3	29.8	44.6
84	113.2	76.6	114.8

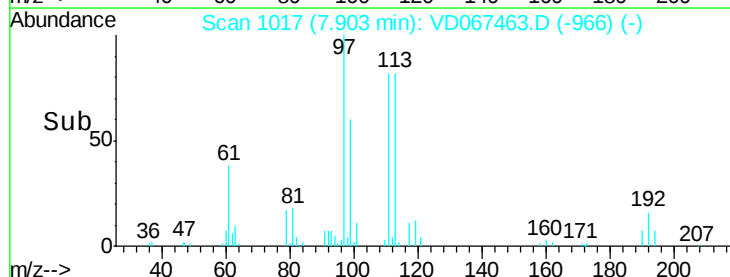
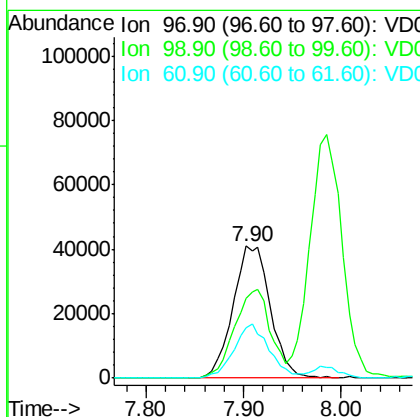
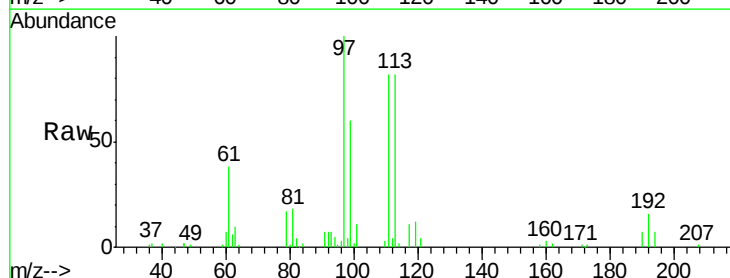
Manual Integrations
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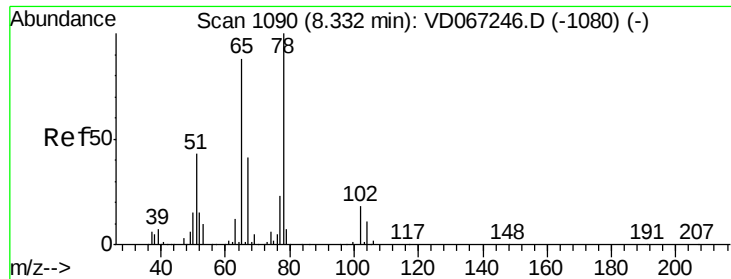
MMDadoda
11/2/2020 4:09:30 PM



#32
1,1,1-Trichloroethane
Concen: 20.927 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	50.2	75.4
61	38.7	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 50.147 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 65 Resp: 152007

Ion Ratio Lower Upper

65 100

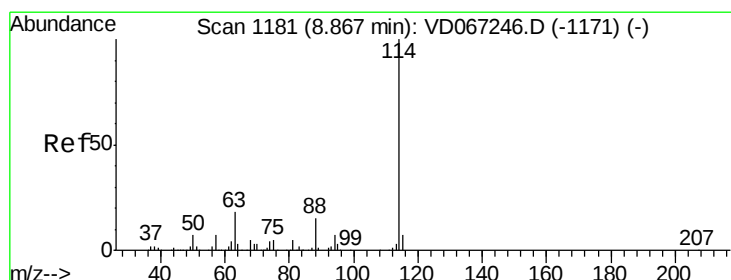
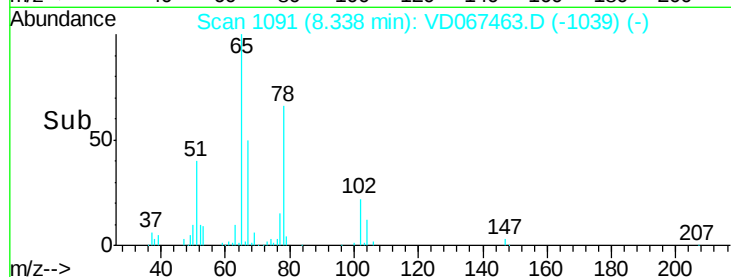
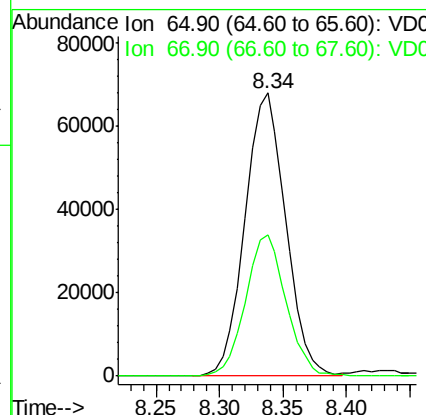
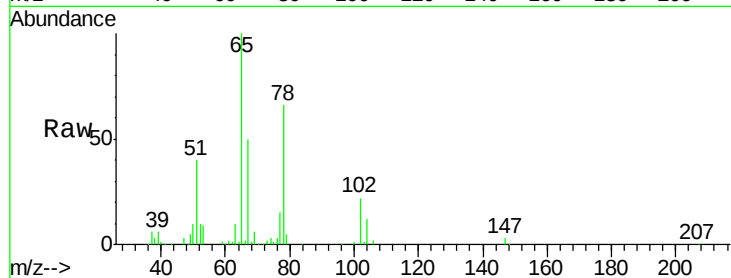
67 49.4 0.0 103.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

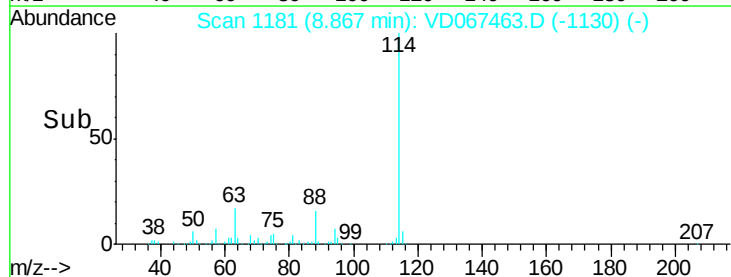
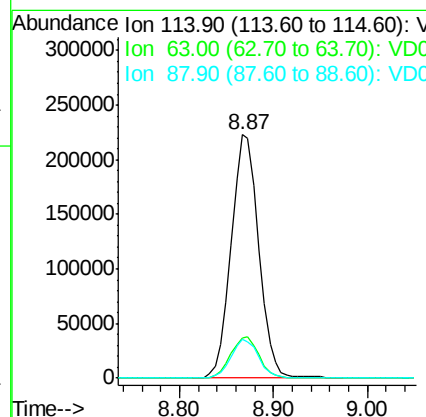
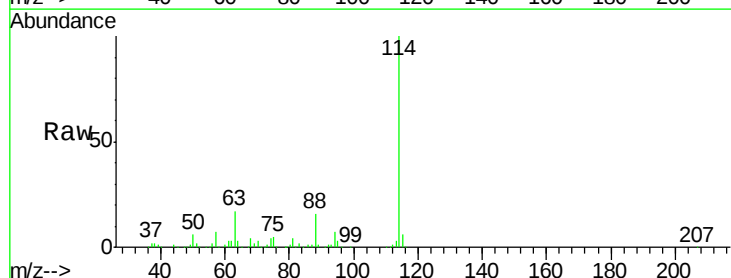
Tgt Ion: 114 Resp: 453498

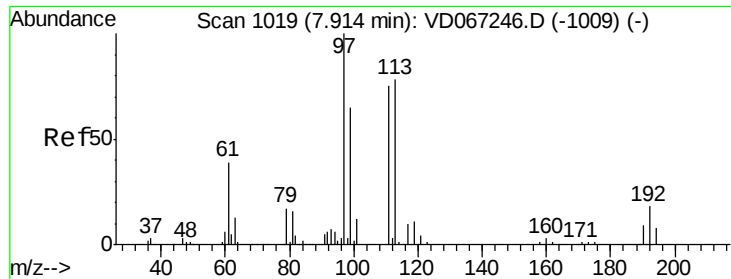
Ion Ratio Lower Upper

114 100

63 16.6 0.0 35.0

88 16.2 0.0 30.6





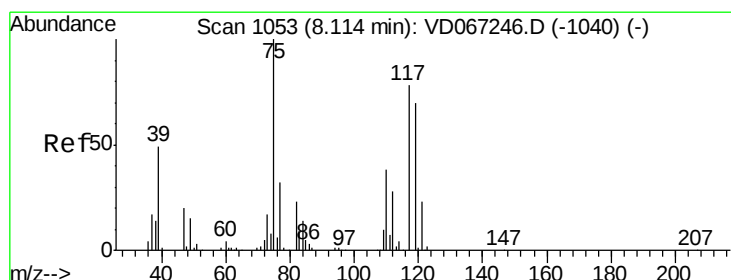
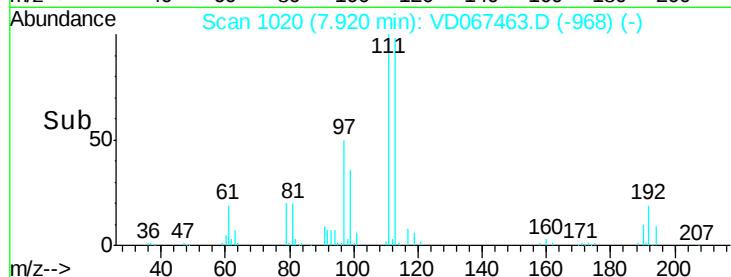
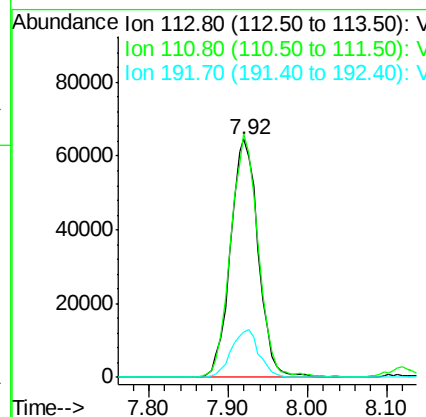
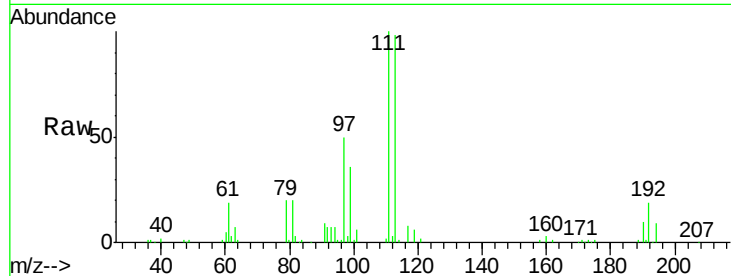
#35
Dibromofluoromethane
Concen: 51.757 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	156205		
111	101.1	81.6	122.4	
192	19.8	17.0	25.4	

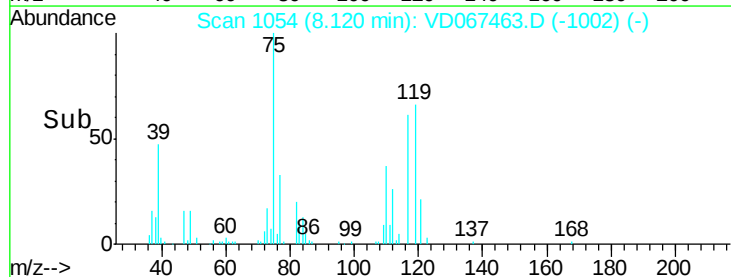
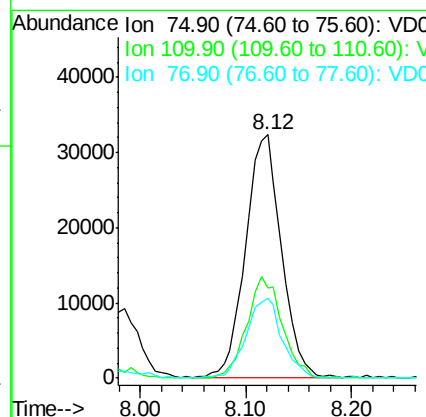
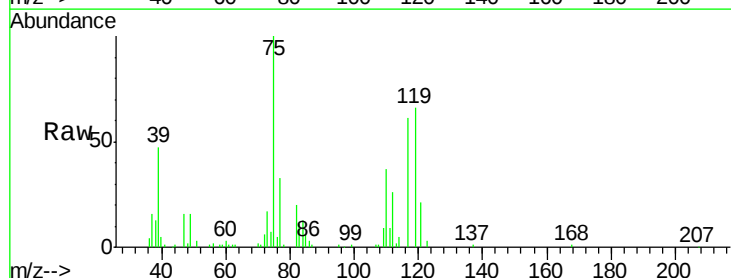
Manual Integrations
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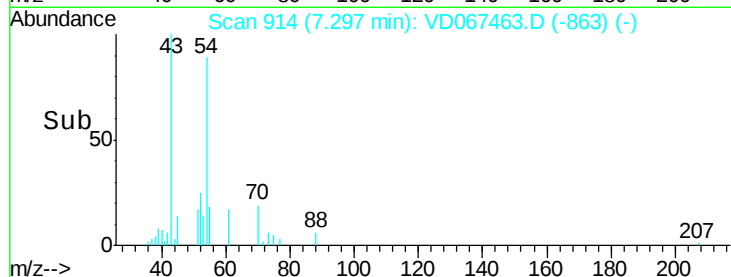
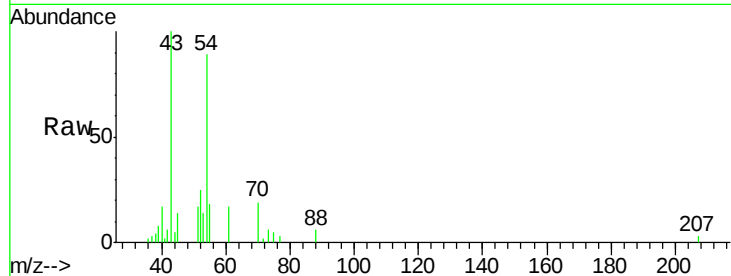
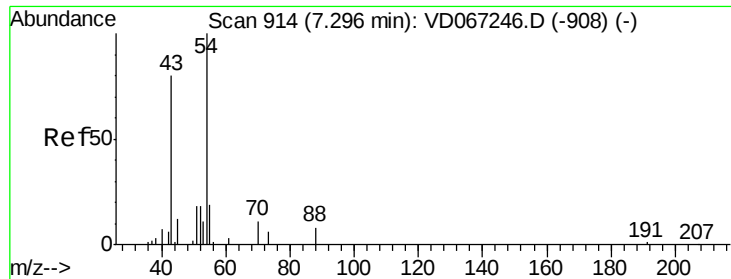
MMDadoda
11/2/2020 4:09:30 PM



#36
1,1-Dichloropropene
Concen: 19.898 ug/l
RT: 8.12 min Scan# 1054
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76481		
110	40.8	19.6	58.7	
77	32.9	24.6	37.0	





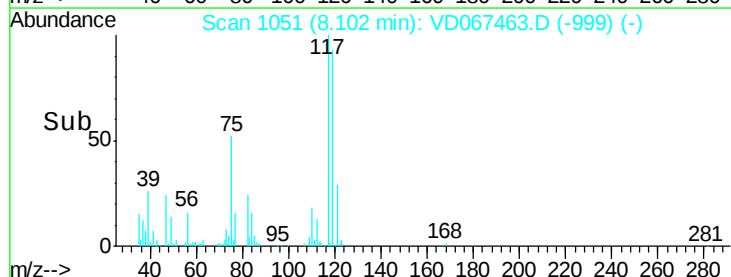
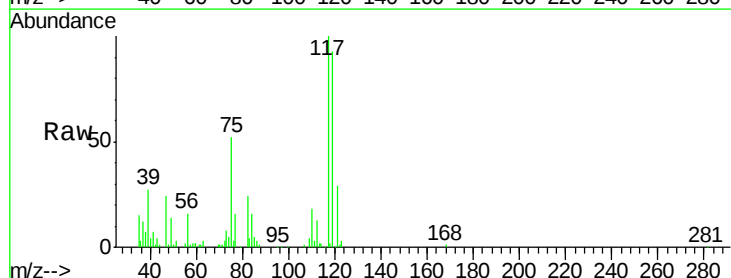
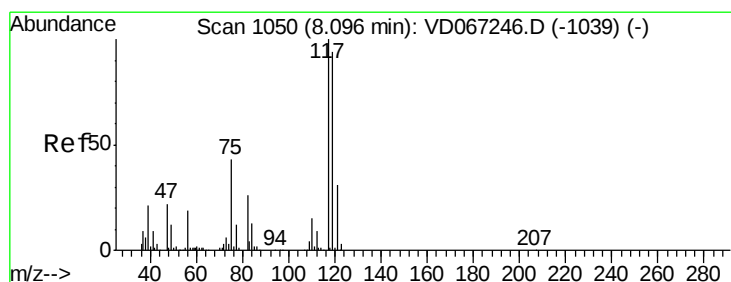
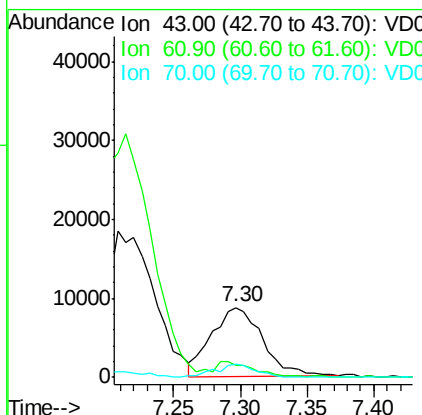
#37
Ethyl Acetate
Concen: 20.802 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.1	15.6	23.4
70	15.0	10.4	15.6

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

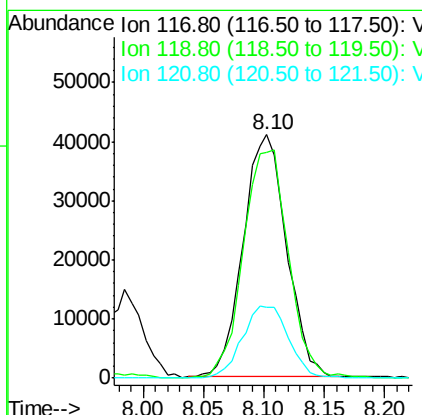
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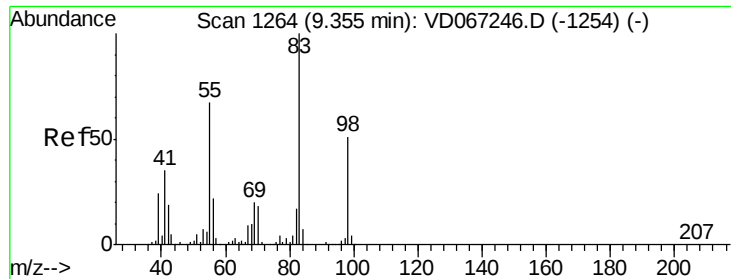
MMDadoda
11/2/2020 4:09:30 PM



#38
Carbon Tetrachloride
Concen: 20.817 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.5	75.0	112.4
121	29.5	24.9	37.3





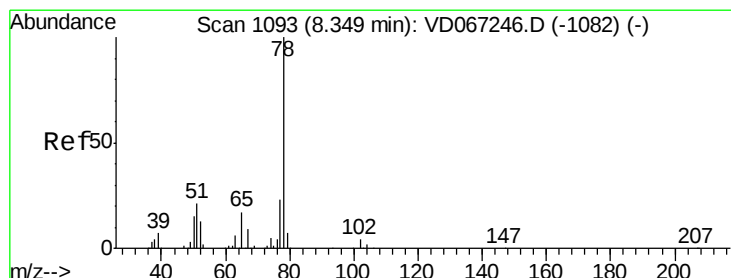
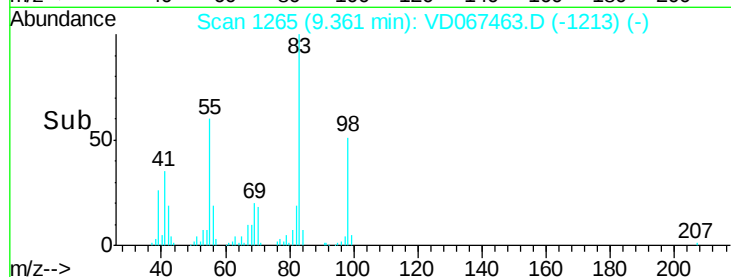
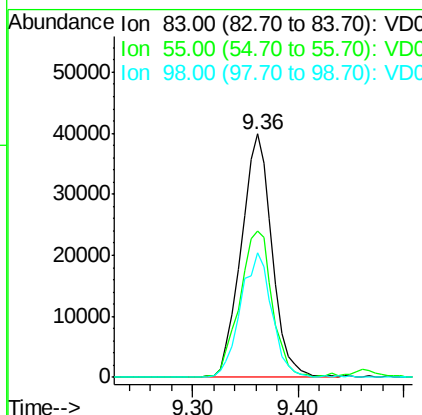
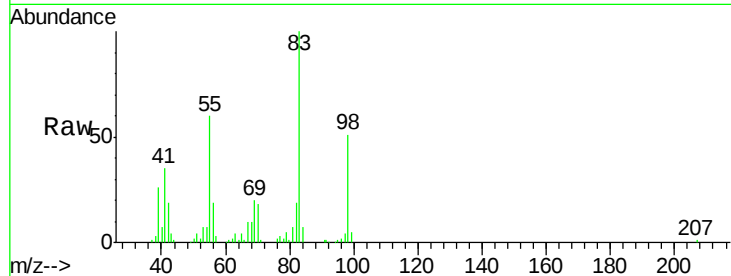
#39
Methvlcvclohexane
Concen: 20.136 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	80912		
55	60.3		53.3	79.9
98	51.3		41.0	61.4

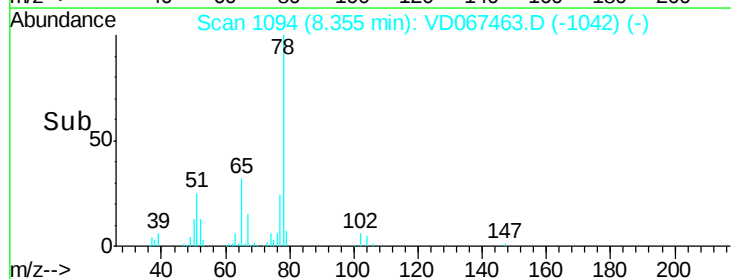
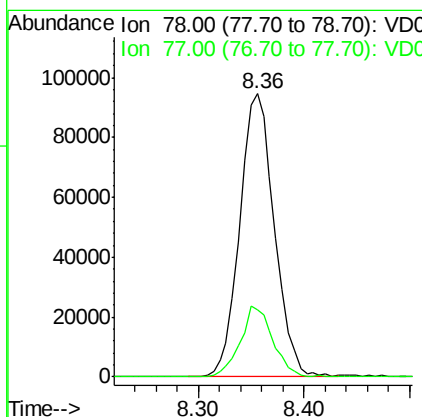
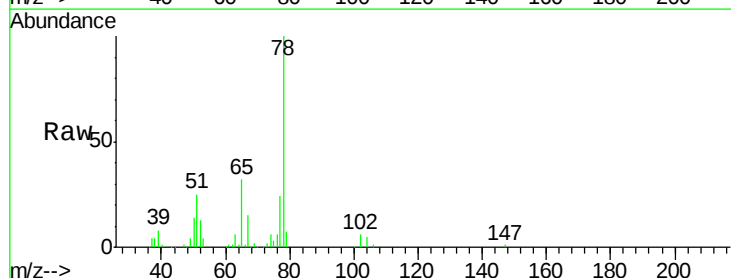
Manual Integrations
APPROVED

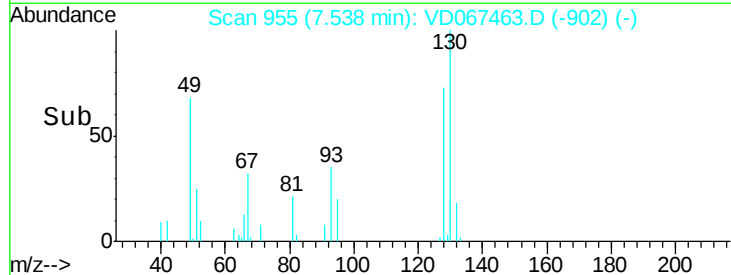
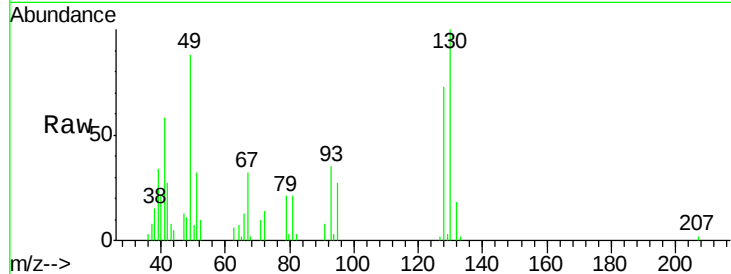
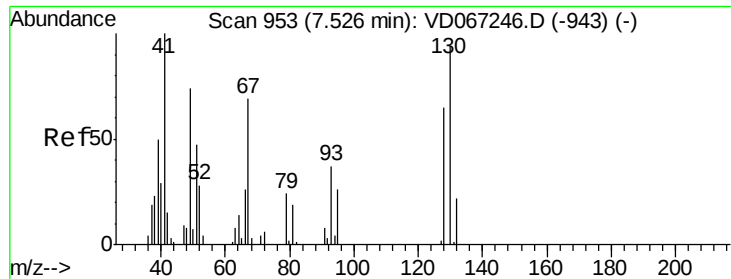
MMDadoda
11/2/2020 4:09:30 PM



#40
Benzene
Concen: 20.409 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	215209		
77	23.9		18.3	27.5





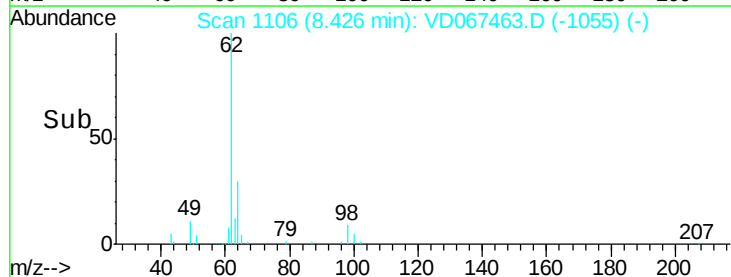
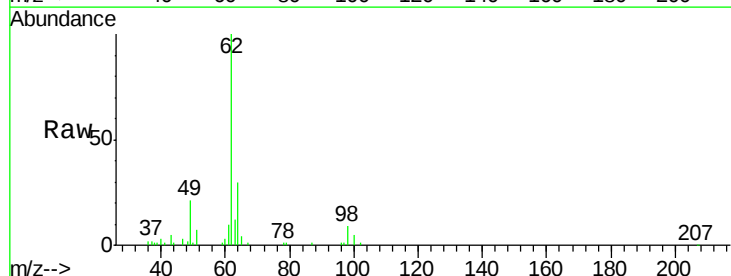
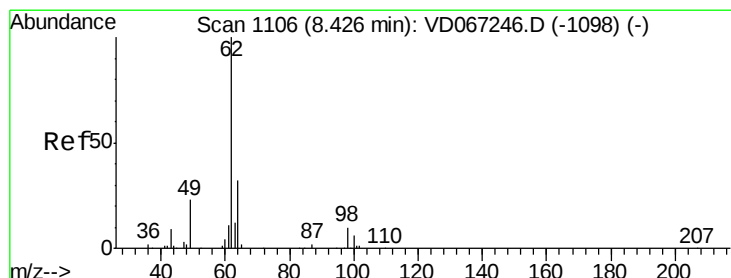
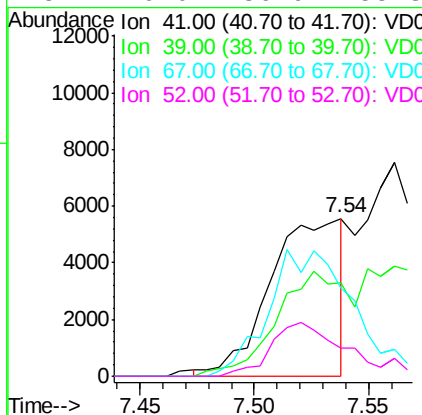
#41
Methacrylonitrile
Concen: 20.153 ug/l m
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tot Ion	Ratio	Resp	Lower	Upper
41	100			
39	75.9	60.0	90.0	
67	0.0	88.9	133.3	
52	0.0	36.9	55.3	

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

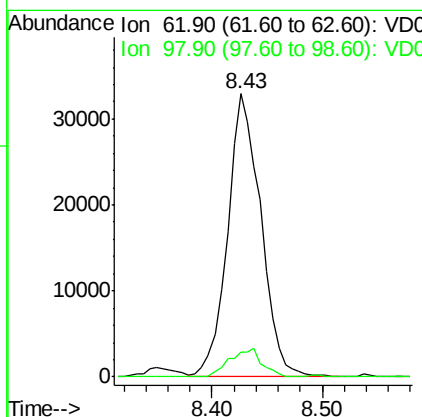
Manual Integrations
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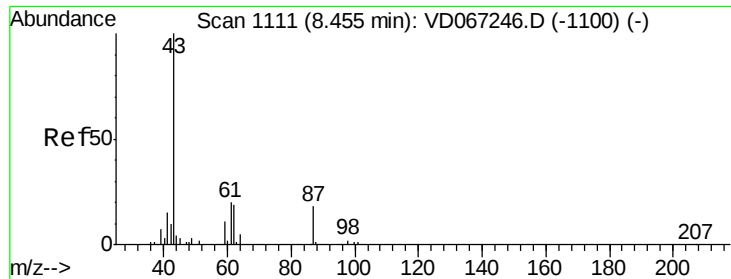
MMDadoda
11/2/2020 4:09:30 PM



#42
1,2-Dichloroethane
Concen: 21.048 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
62	100			
98	9.6	0.0	19.4	





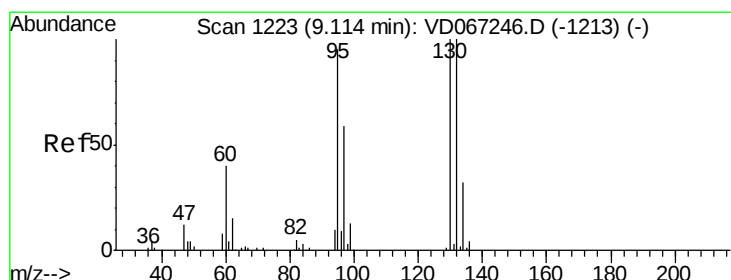
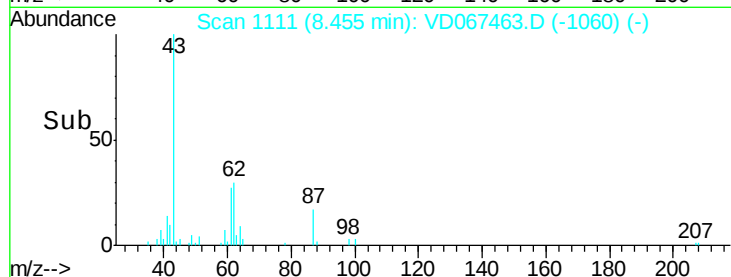
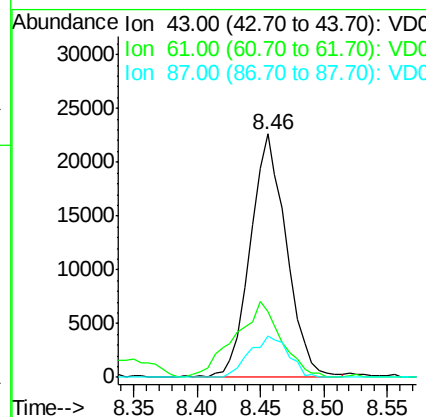
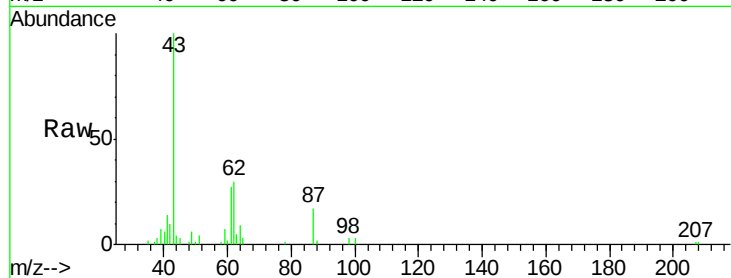
#43
Isopropyl Acetate
Concen: 20.011 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	39.7	29.5	44.3
87	18.2	14.2	21.4

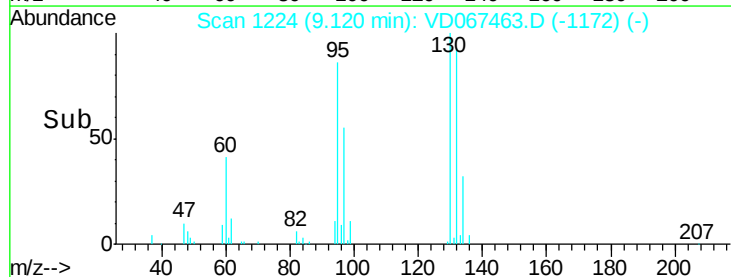
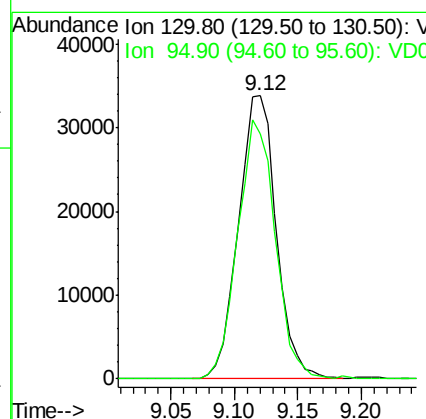
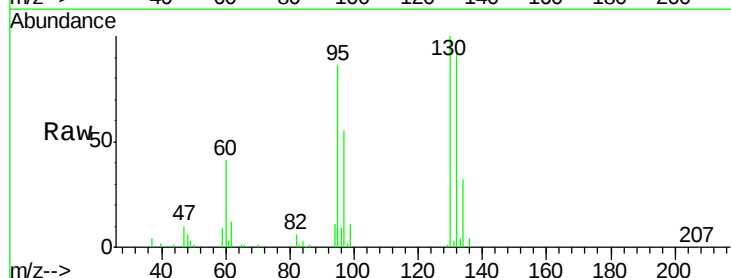
Manual Integrations
APPROVED

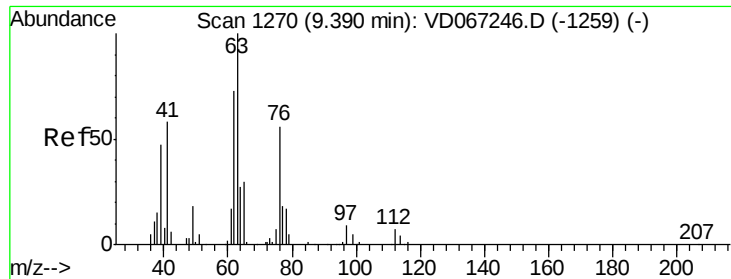
MMDadoda
11/2/2020 4:09:30 PM



#44
Trichloroethene
Concen: 20.742 ug/l
RT: 9.12 min Scan# 1224
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
130	100		
95	86.5	0.0	190.6





#45

1,2-Dichloropropane

Concen: 20.390 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 63 Resp: 49829

Ion Ratio Lower Upper

63 100

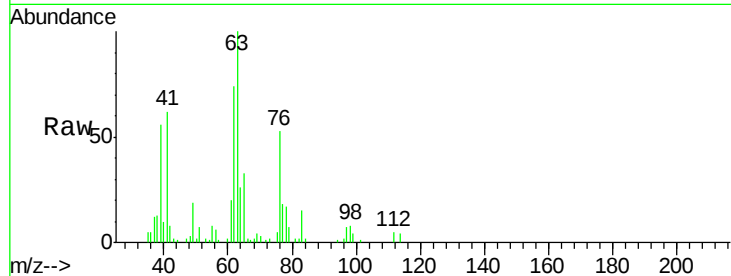
65 33.0 24.6 36.8

Manual Integrations

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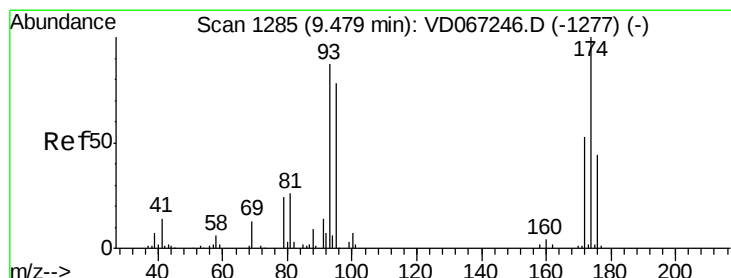
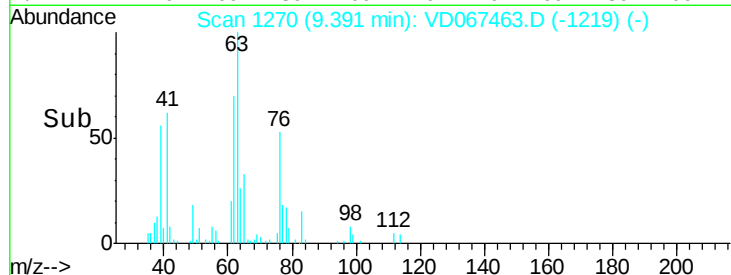
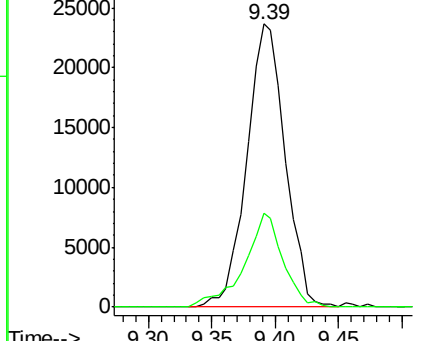
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 20.656 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

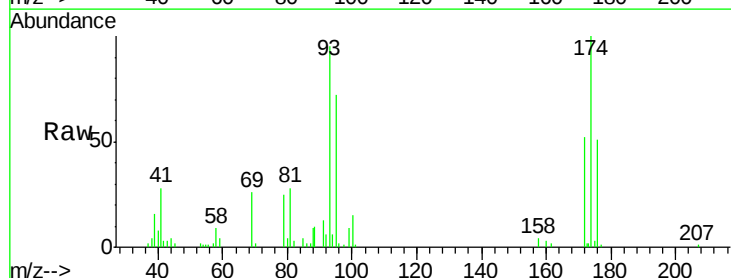
Tgt Ion: 93 Resp: 31452

Ion Ratio Lower Upper

93 100

95 79.1 68.0 102.0

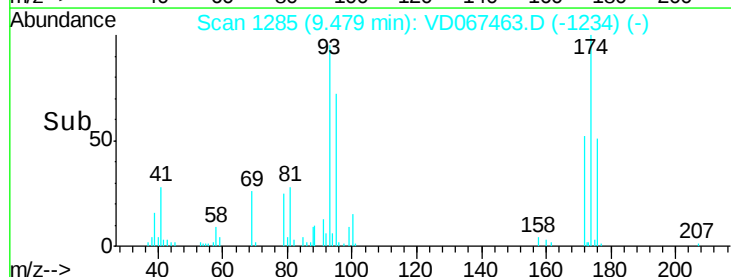
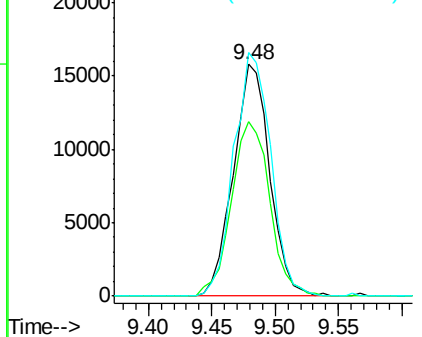
174 106.8 91.8 137.6

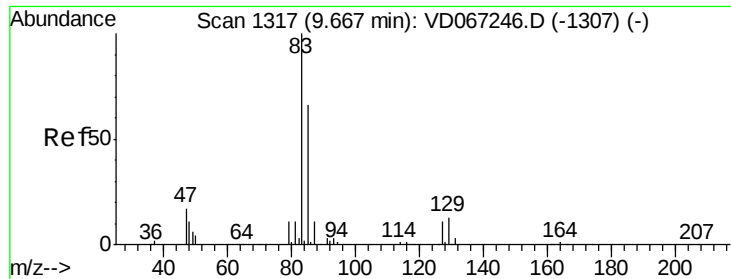


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





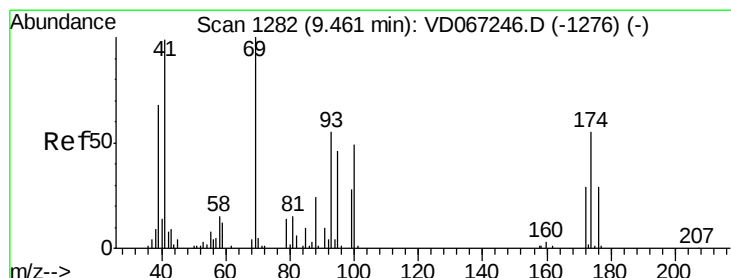
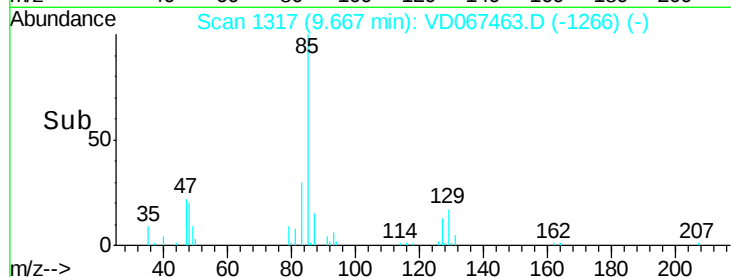
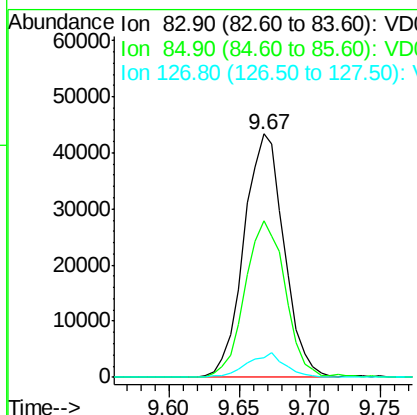
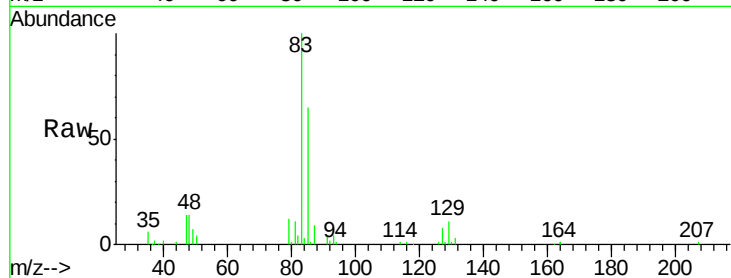
#47
Bromodichloromethane
Concen: 21.184 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
85	64.6	53.1	79.7
127	8.1	8.6	13.0

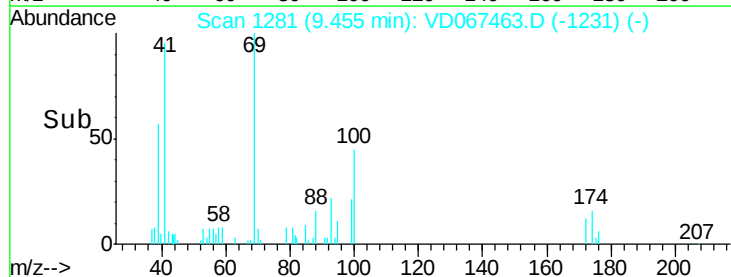
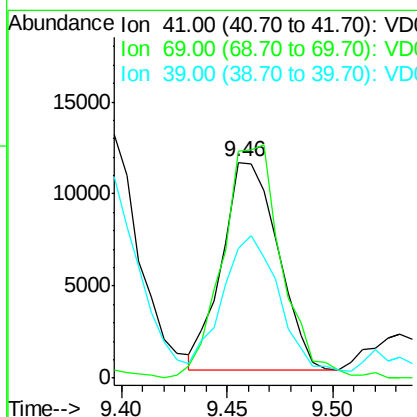
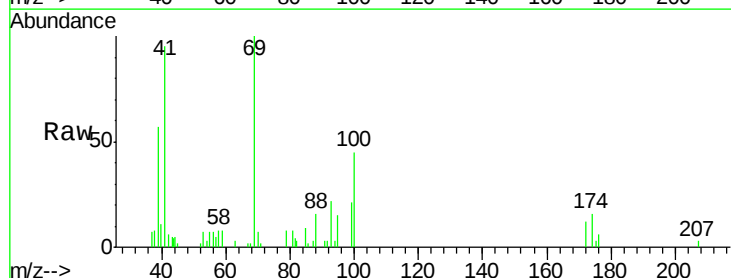
Manual Integrations
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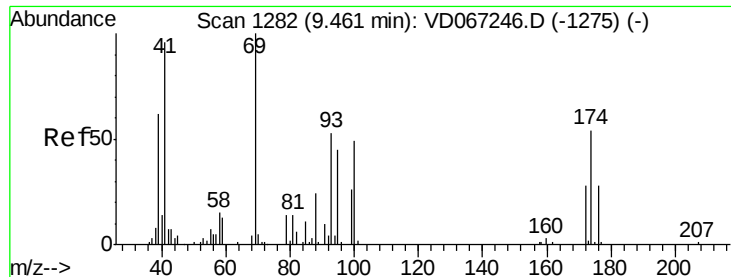
MMDadoda
11/2/2020 4:09:30 PM



#48
Methyl methacrylate
Concen: 18.929 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
41	100		
69	119.4	89.0	133.6
39	73.4	60.2	90.2





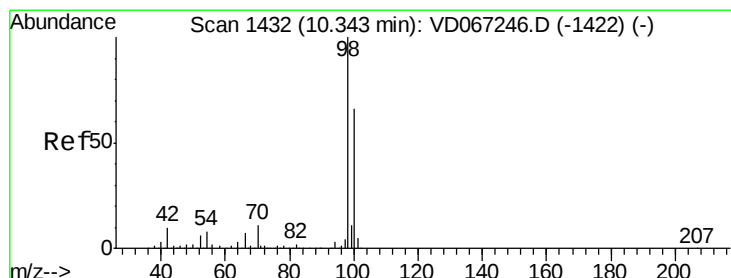
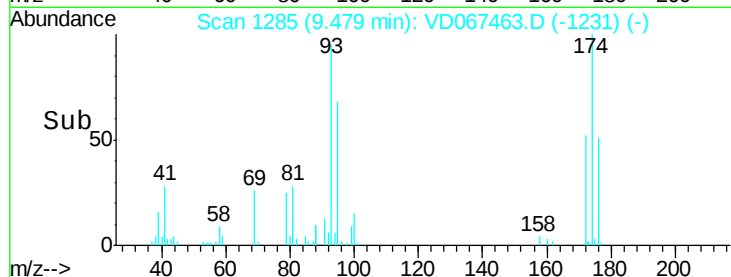
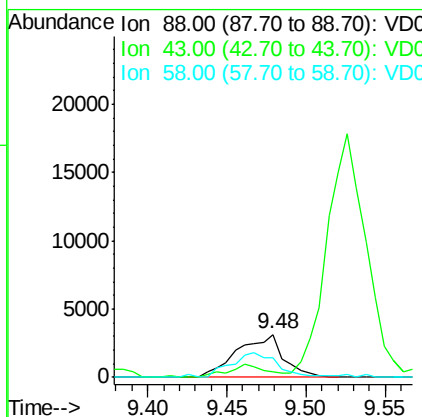
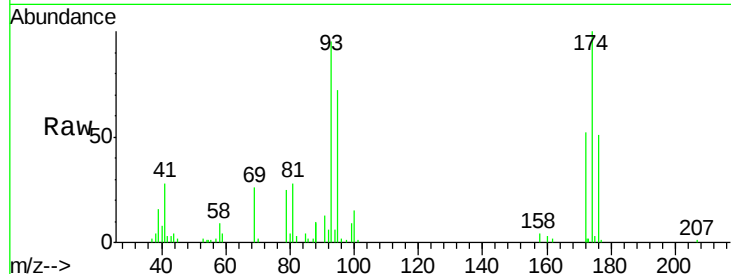
#49
1,4-Dioxane
Concen: 415.434 ug/l
RT: 9.48 min Scan# 1285
Delta R.T. 0.02 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	88	Resp:	6383
Ion	Ratio	Lower	Upper
88	100		
43	25.7	23.9	35.9
58	57.1	51.0	76.6

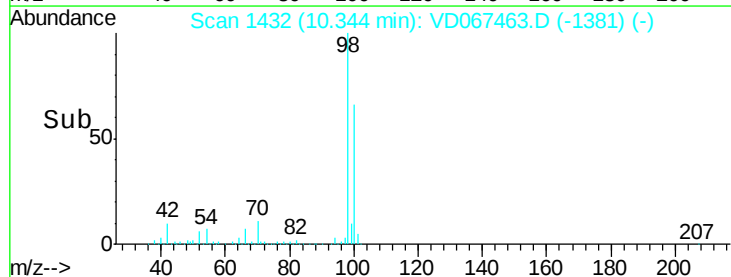
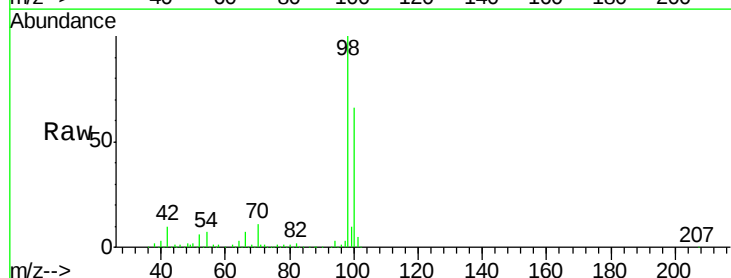
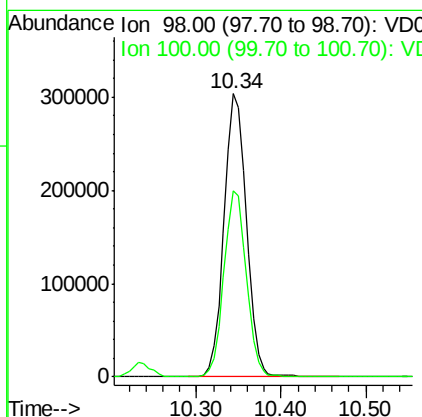
Manual Integrations
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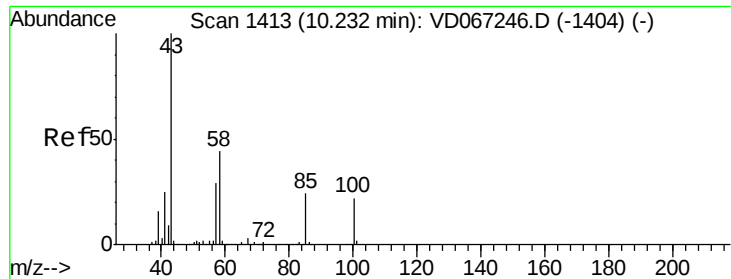
MMDadoda
11/2/2020 4:09:30 PM



#50
Toluene-d8
Concen: 50.943 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	98	Resp:	556401
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7





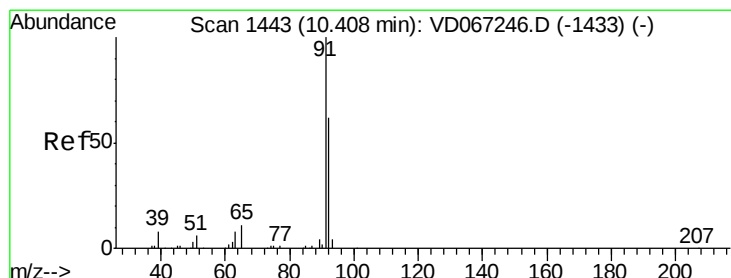
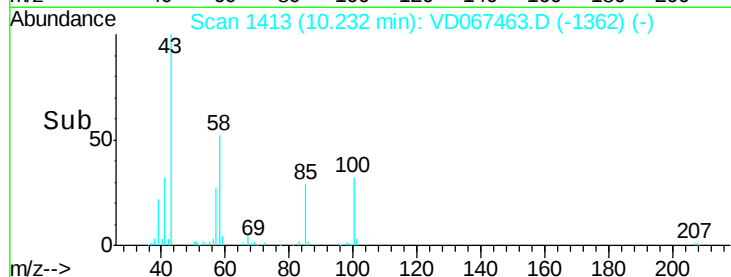
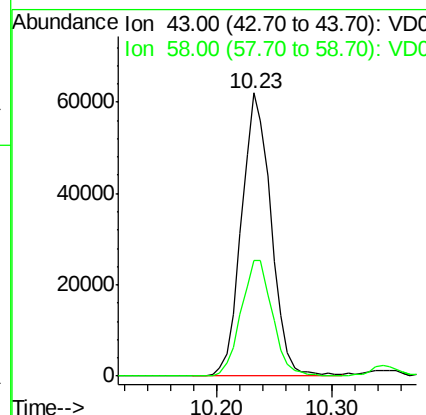
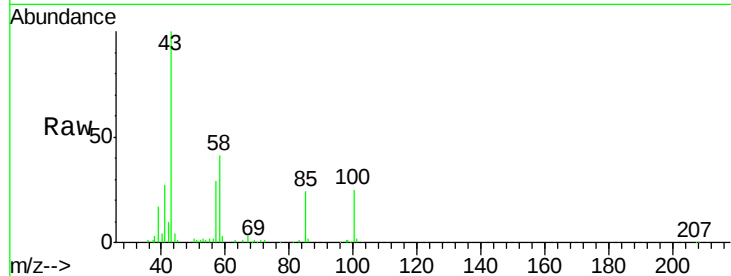
#51
 4-Methyl-2-Pentanone
 Concen: 98.490 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion: 43 Resp: 110232
 Ion Ratio Lower Upper
 43 100
 58 43.4 35.7 53.5

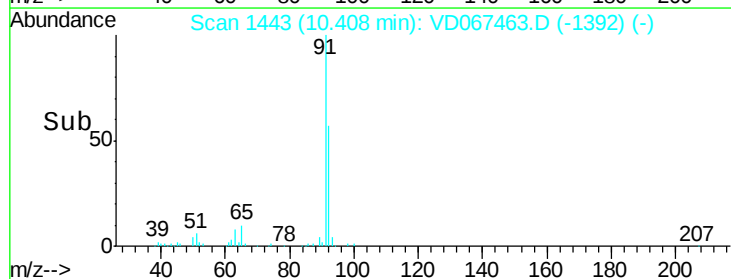
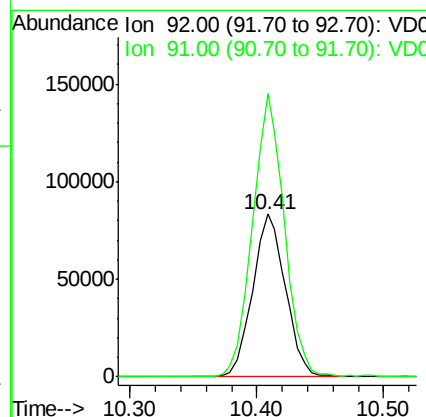
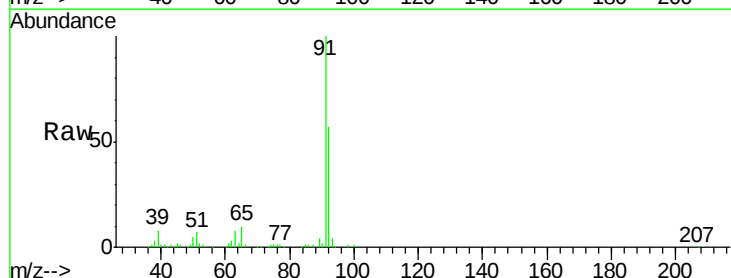
Manual Integrations
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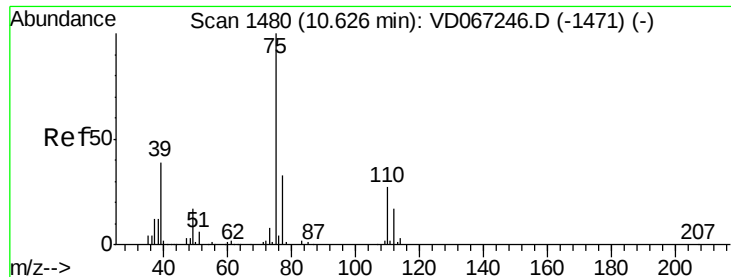
MMDadoda
 11/2/2020 4:09:30 PM



#52
 Toluene
 Concen: 20.885 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion: 92 Resp: 149996
 Ion Ratio Lower Upper
 92 100
 91 168.8 133.8 200.8





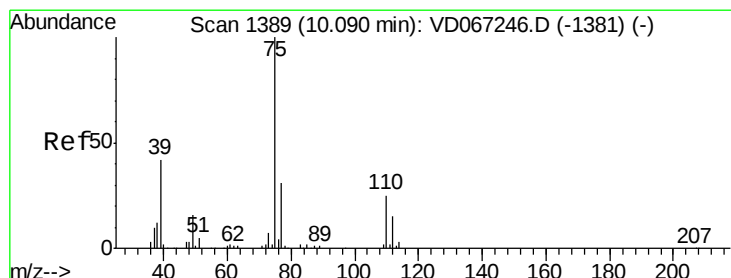
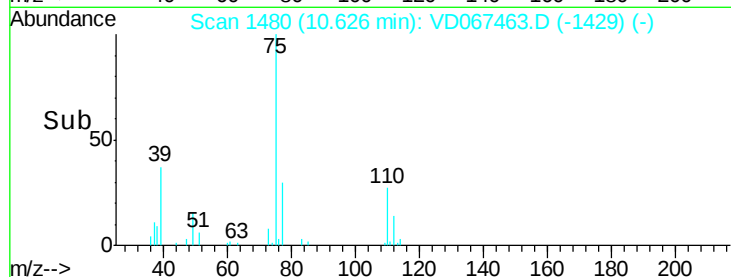
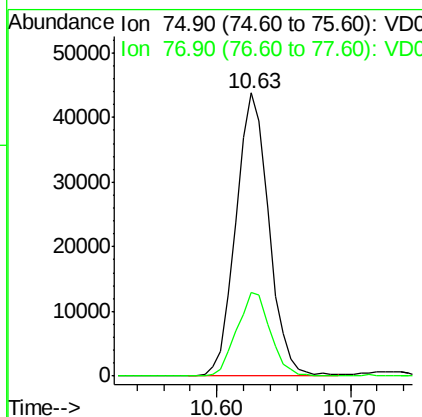
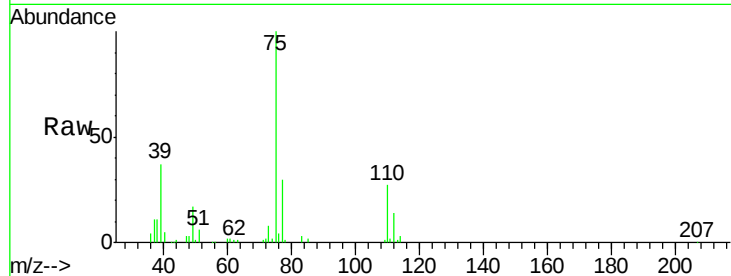
#53
t-1,3-Dichloropropene
Concen: 20.965 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 75 Resp: 75129
Ion Ratio Lower Upper
75 100
77 29.5 26.5 39.7

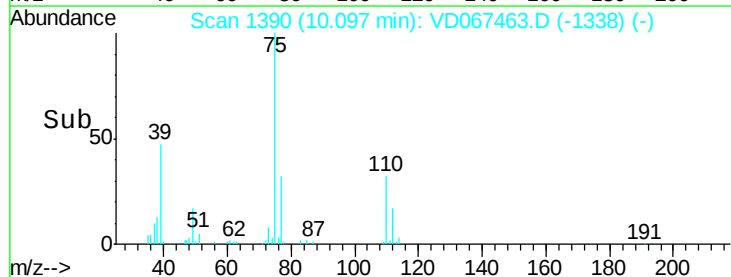
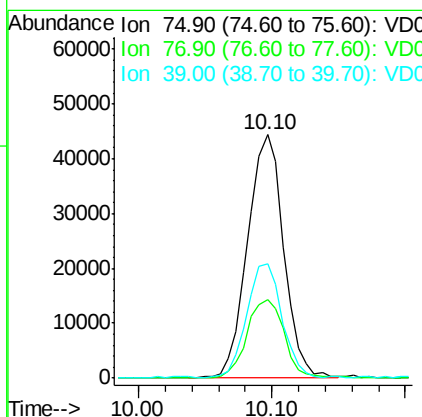
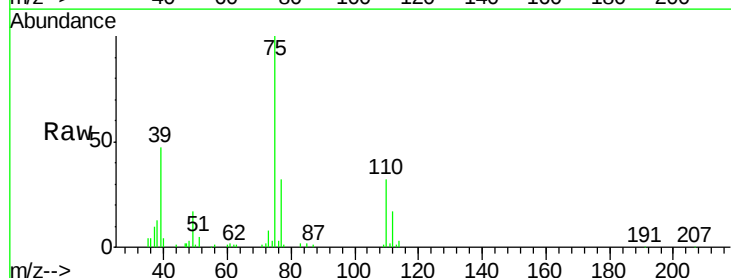
Manual Integrations
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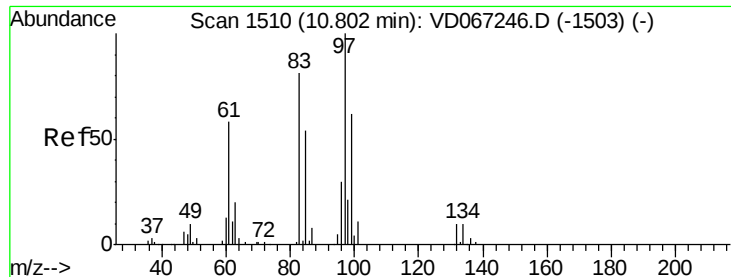
MMDadoda
11/2/2020 4:09:30 PM



#54
cis-1,3-Dichloropropene
Concen: 19.762 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 75 Resp: 82881
Ion Ratio Lower Upper
75 100
77 32.4 24.5 36.7
39 46.2 33.7 50.5





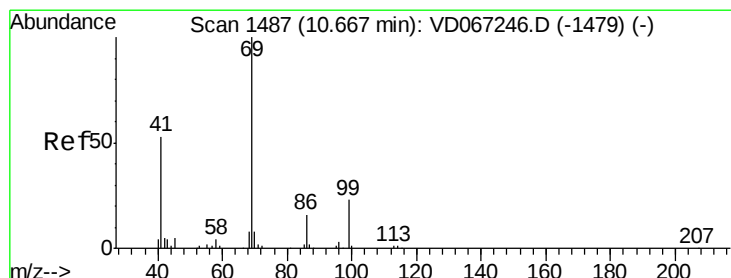
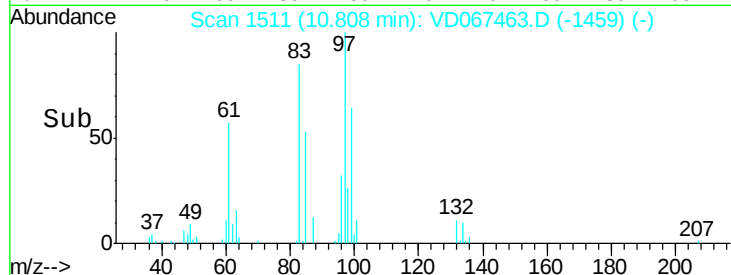
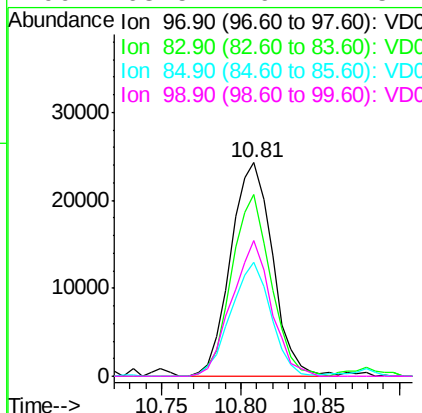
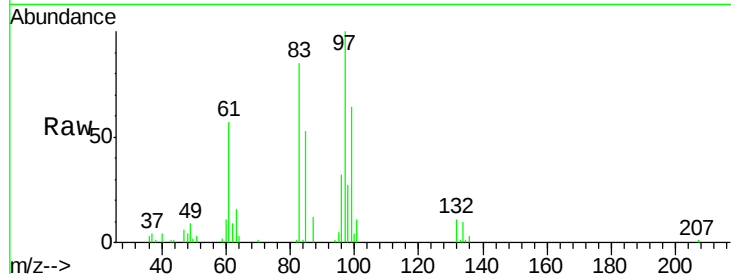
#55
 1,1,2-Trichloroethane
 Concen: 21.461 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion:	97	Resp:	44560
Ion	Ratio	Lower	Upper
97	100		
83	85.2	64.9	97.3
85	53.2	43.3	64.9
99	63.5	49.1	73.7

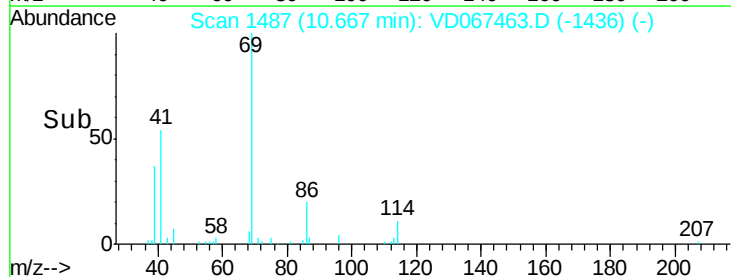
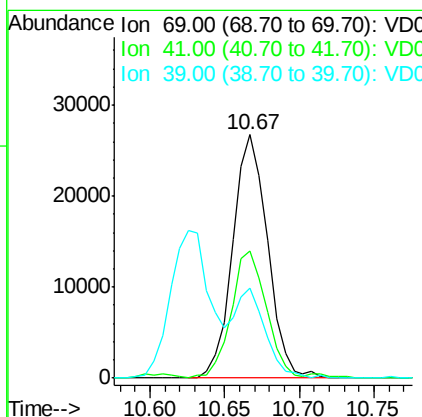
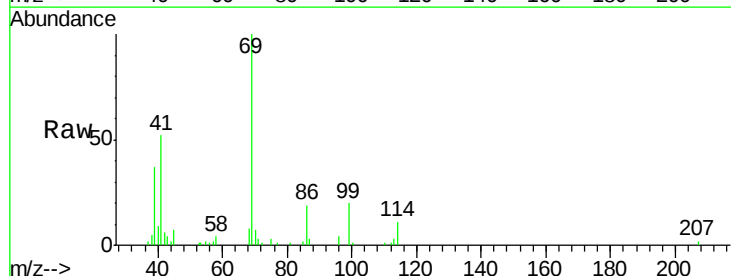
Manual Integrations
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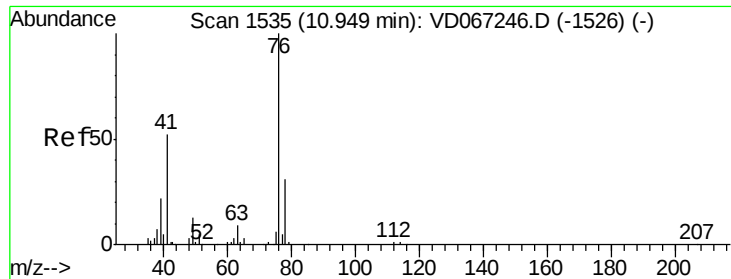
MMDadoda
 11/2/2020 4:09:30 PM



#56
 Ethyl methacrylate
 Concen: 20.217 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion:	69	Resp:	43535
Ion	Ratio	Lower	Upper
69	100		
41	52.6	44.7	67.1
39	33.2	26.2	39.2





#57

1,3-Dichloropropane

Concen: 21.360 ug/l

RT: 10.96 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 76 Resp: 70579

Ion Ratio Lower Upper

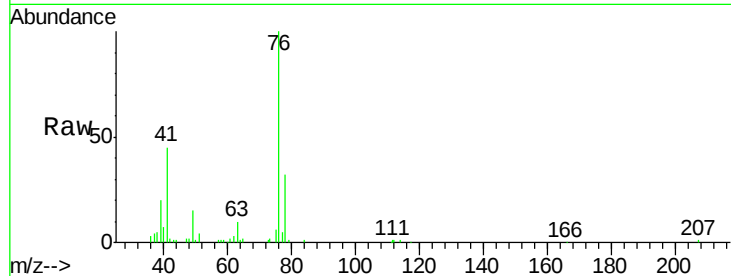
76 100

78 31.8 26.8 40.2

Manual Integrations
APPROVED

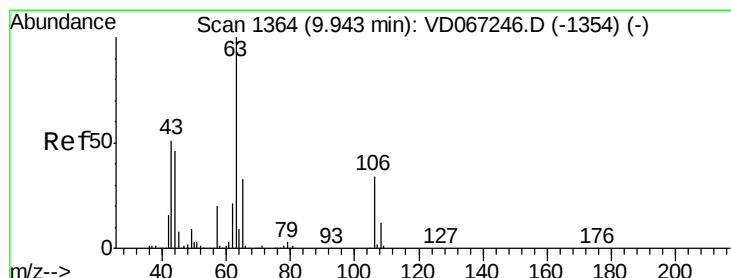
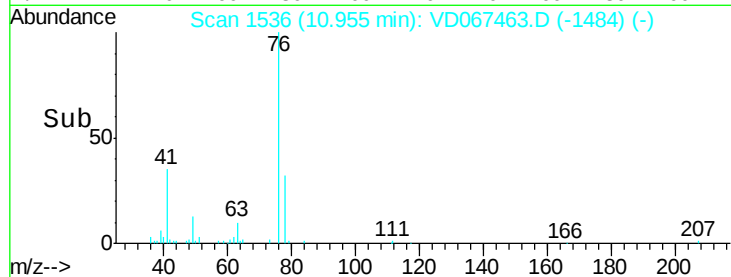
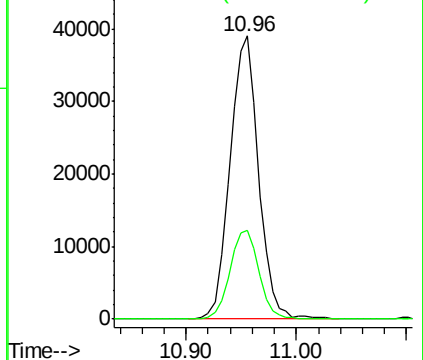
MMDadoda

11/2/2020 4:09:30 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 102.205 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067463.D

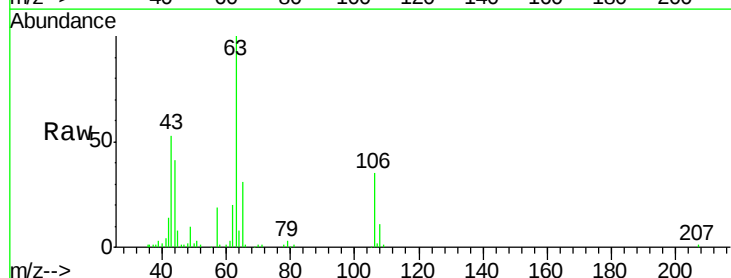
Acq: 30 Oct 2020 10:44

Tgt Ion: 63 Resp: 112903

Ion Ratio Lower Upper

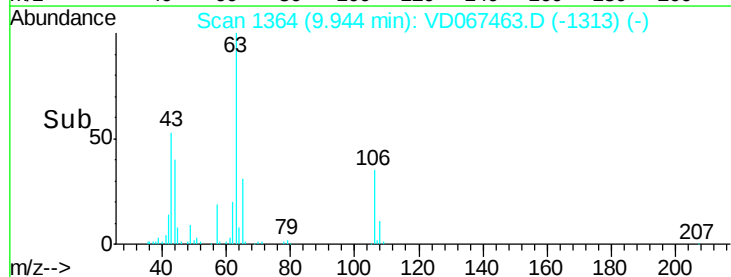
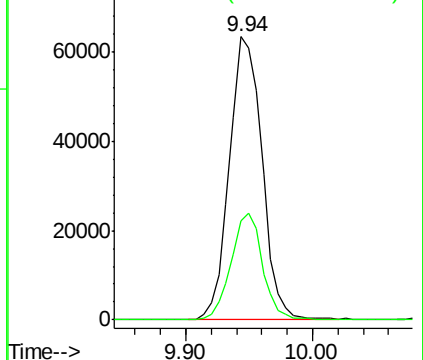
63 100

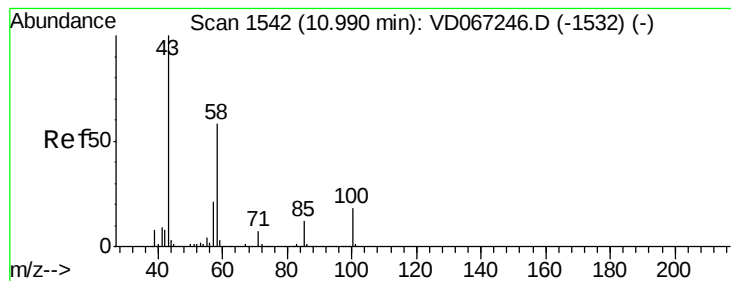
106 36.1 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





#59

2-Hexanone

Concen: 101.213 ug/l

RT: 10.99 min Scan# 1542

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 43 Resp: 77408

Ion Ratio Lower Upper

43 100

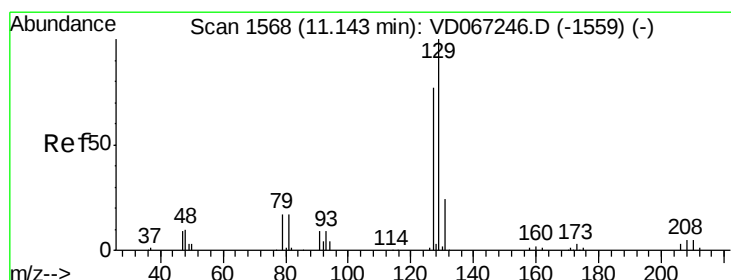
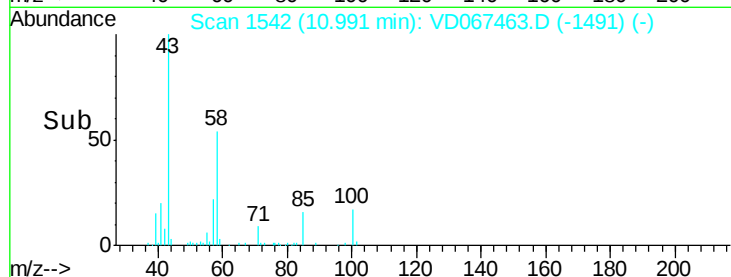
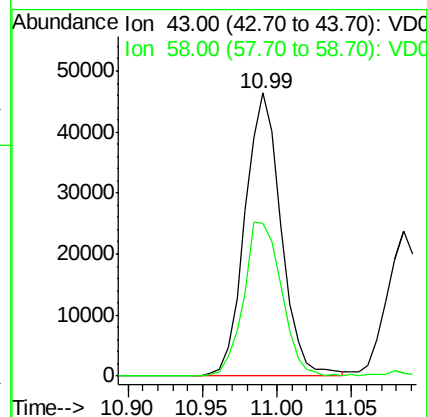
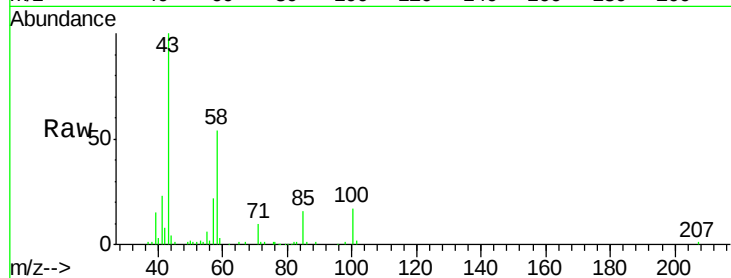
58 57.1 29.3 87.9

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#60

Dibromochloromethane

Concen: 20.210 ug/l

RT: 11.15 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VD067463.D

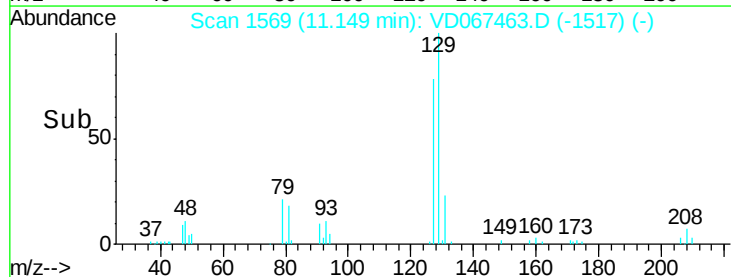
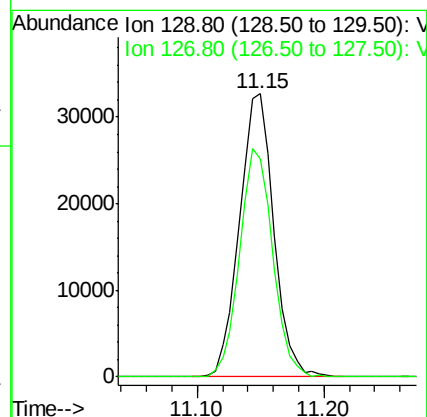
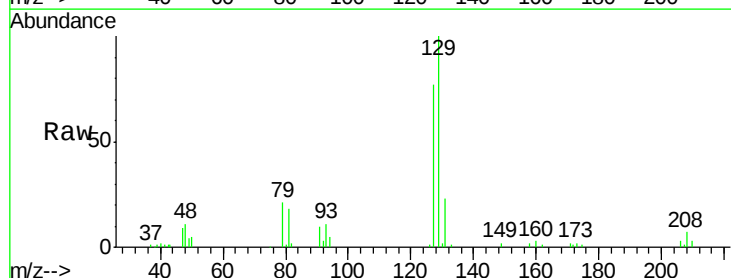
Acq: 30 Oct 2020 10:44

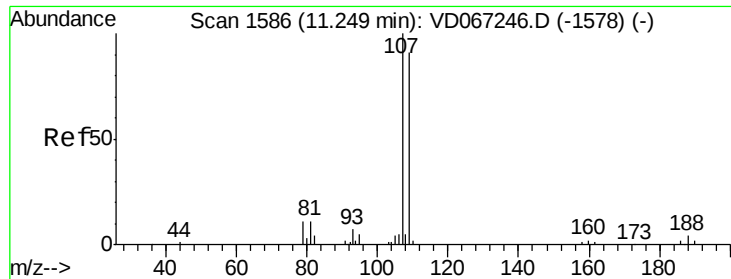
Tgt Ion: 129 Resp: 61196

Ion Ratio Lower Upper

129 100

127 77.6 38.3 114.8





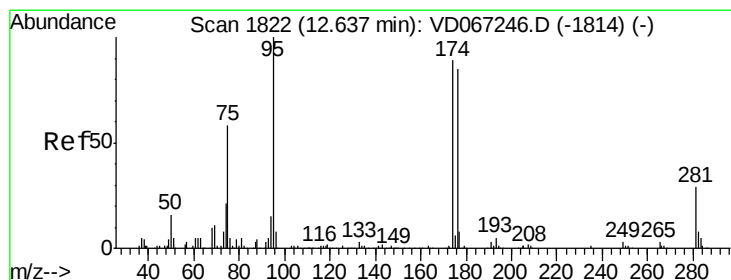
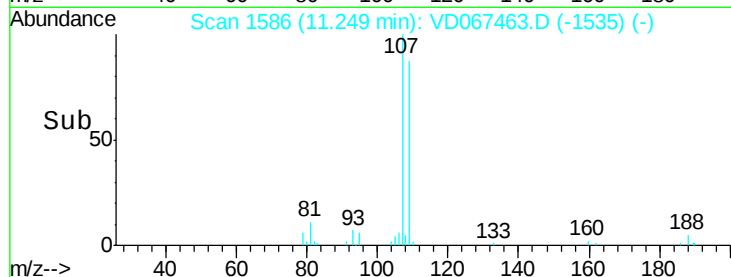
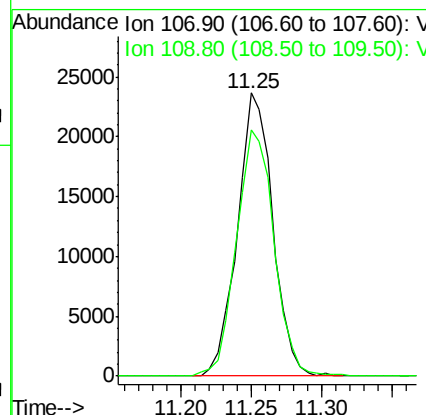
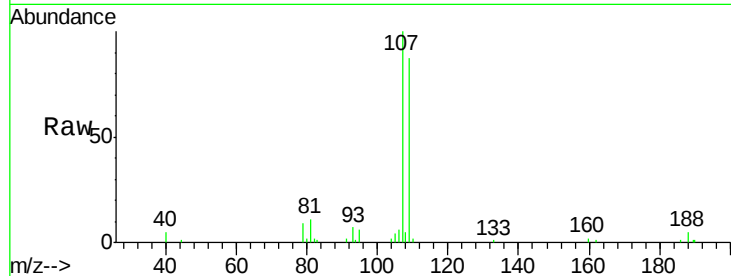
#61
 1,2-Dibromoethane
 Concen: 20.188 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	74.6	112.0

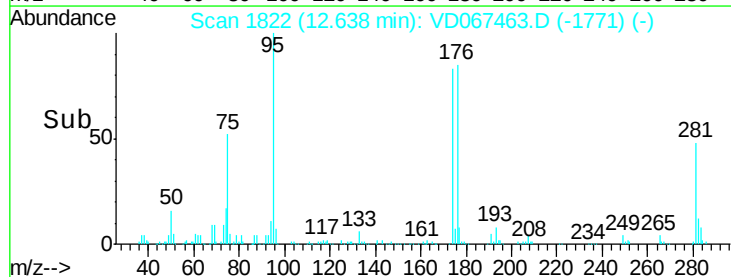
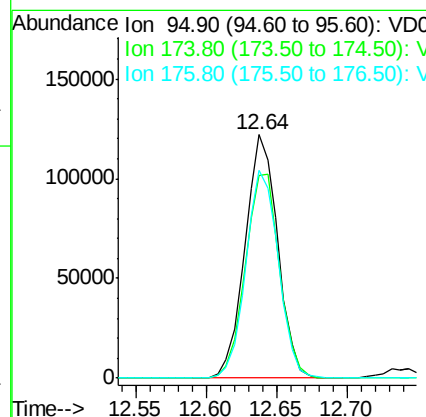
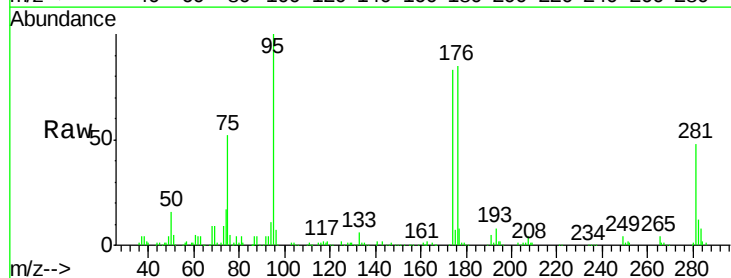
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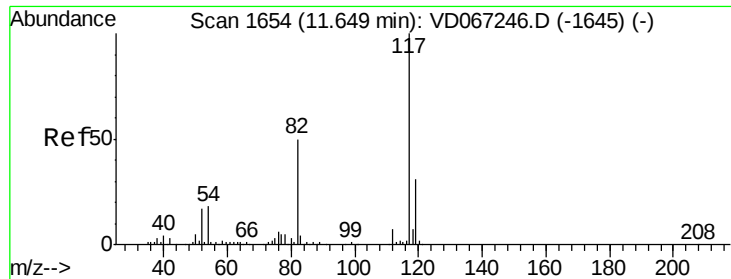
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#62
 4-Bromofluorobenzene
 Concen: 52.126 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	87.5	0.0	175.2
176	85.0	0.0	168.6





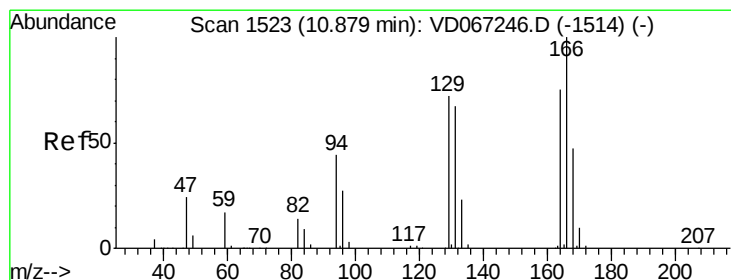
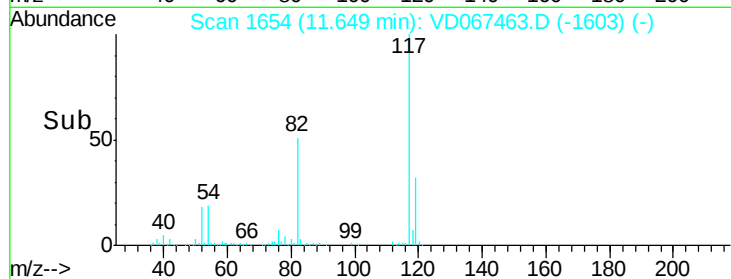
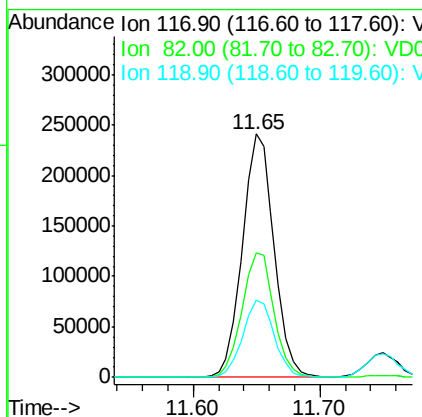
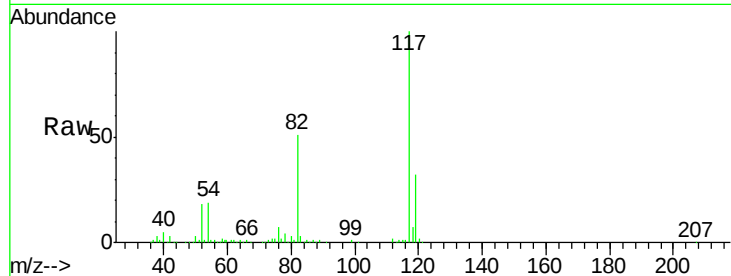
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	417492		
82	51.0		39.9	59.9
119	31.8		24.9	37.3

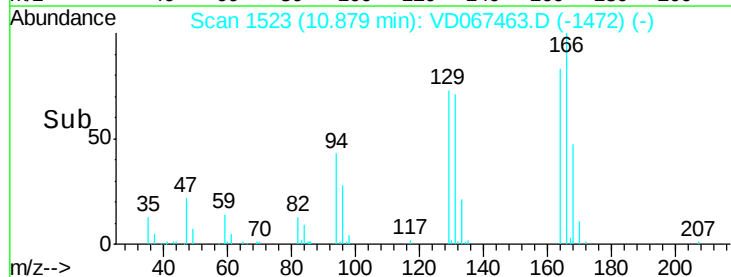
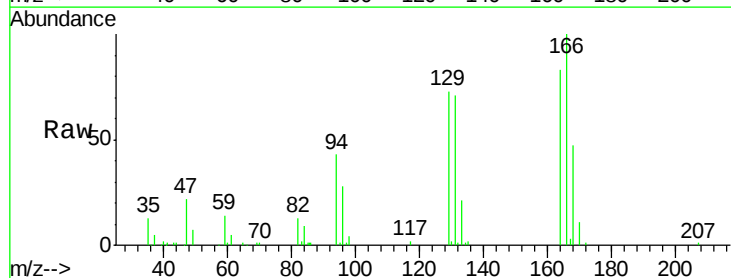
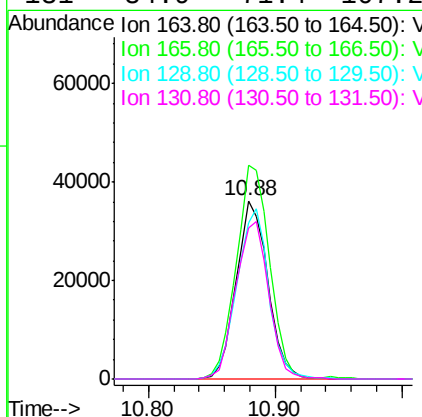
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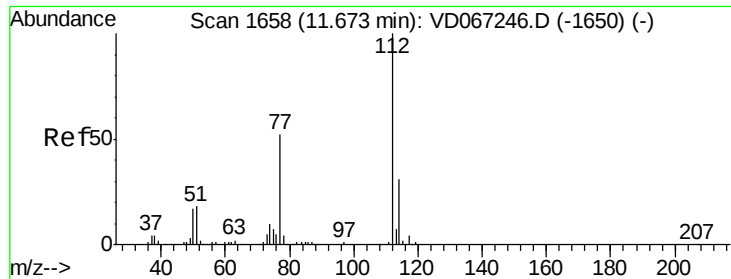
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#64
Tetrachloroethene
Concen: 20.634 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	62415		
166	119.9		107.3	160.9
129	87.5		77.3	115.9
131	84.9		71.4	107.2





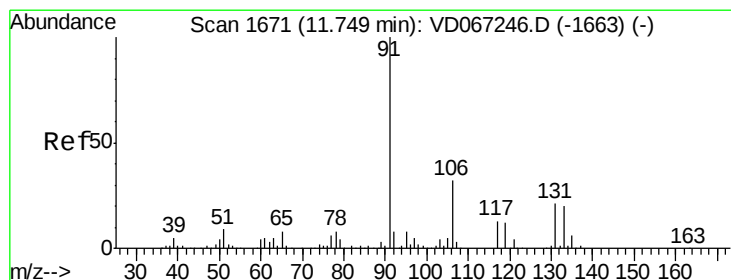
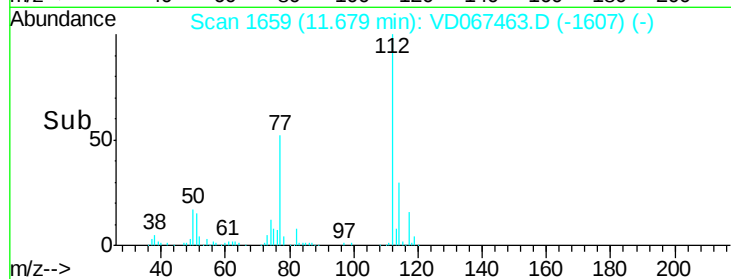
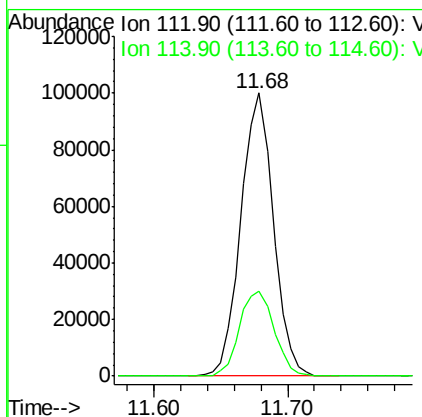
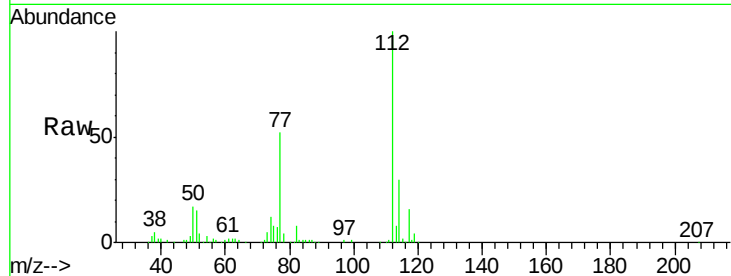
#65
Chlorobenzene
Concen: 21.034 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.0	25.0	37.4

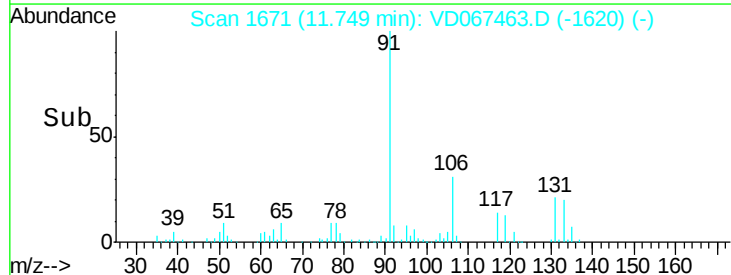
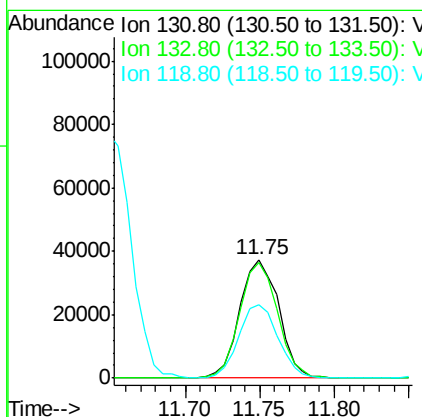
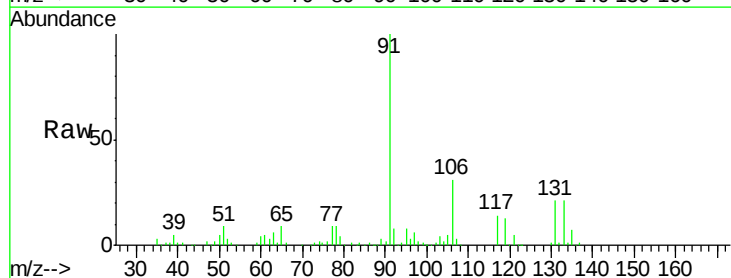
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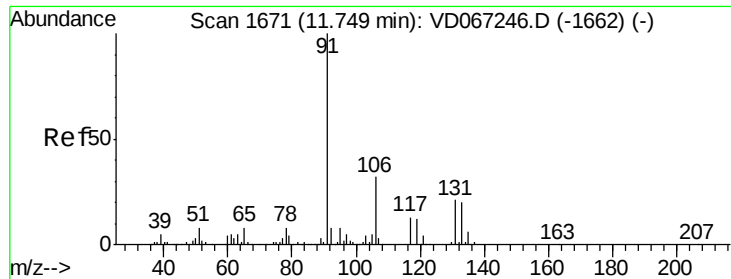
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.178 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.8	48.1	144.3
119	63.0	30.0	90.0





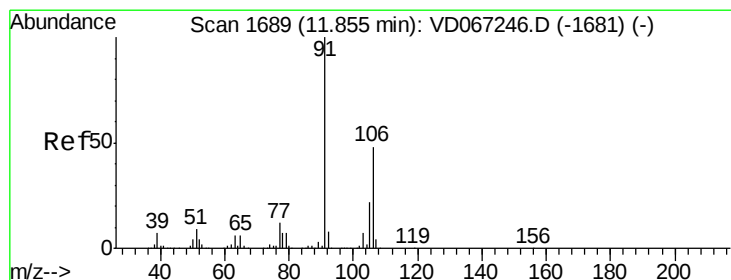
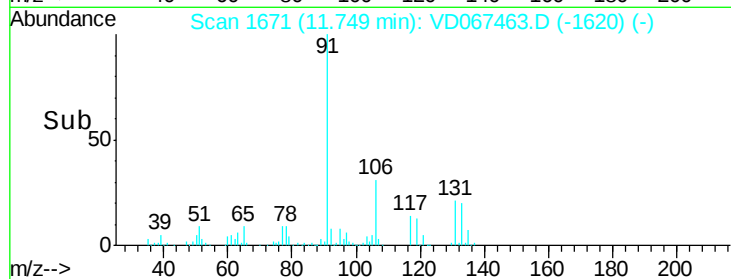
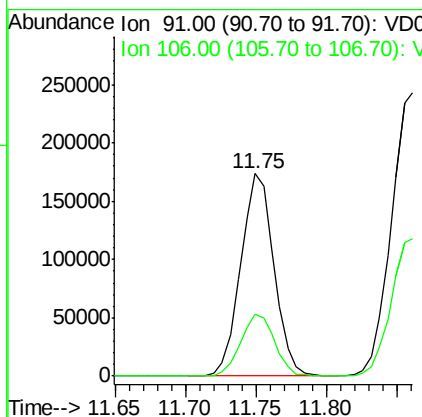
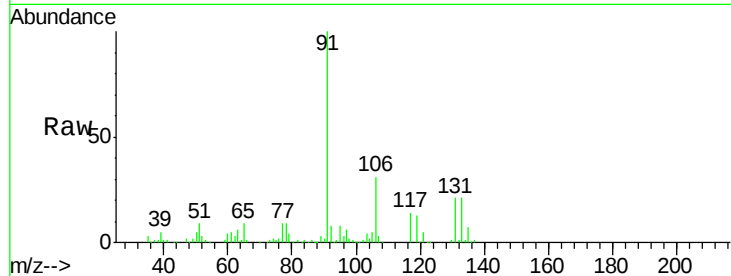
#67
Ethyl Benzene
Concen: 20.888 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion: 91 Resp: 286658
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.0

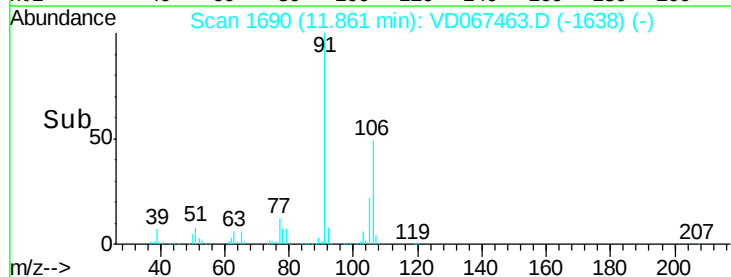
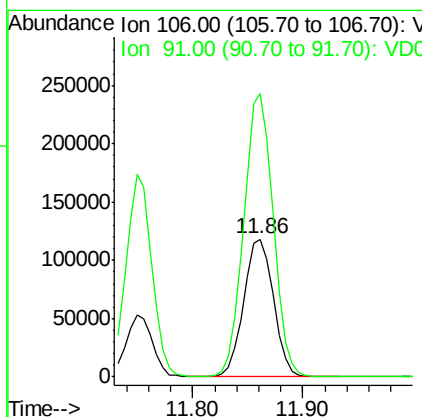
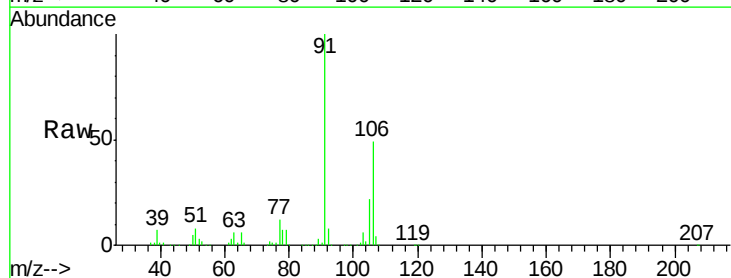
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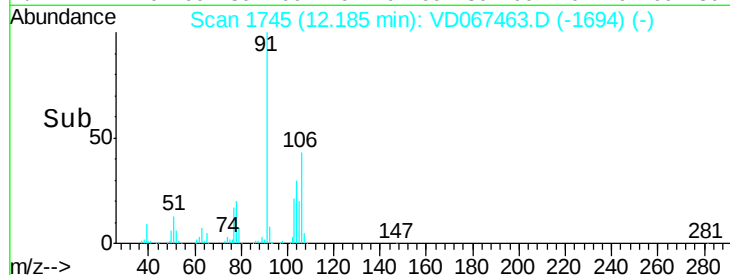
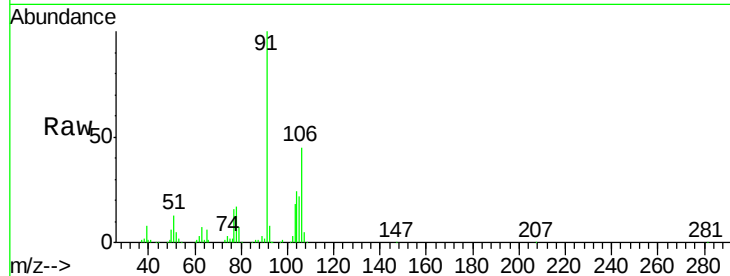
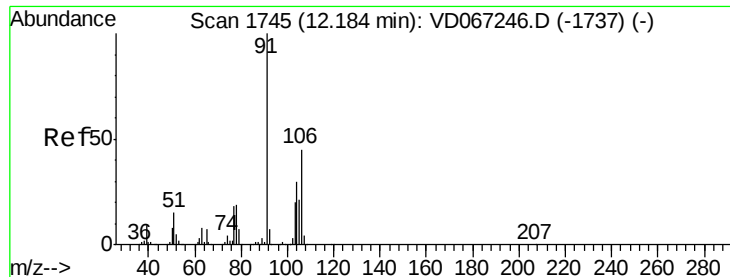
MMDadoda
11/2/2020 4:09:30 PM



#68
m/p-Xylenes
Concen: 42.590 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion: 106 Resp: 225077
Ion Ratio Lower Upper
106 100
91 203.2 163.8 245.8





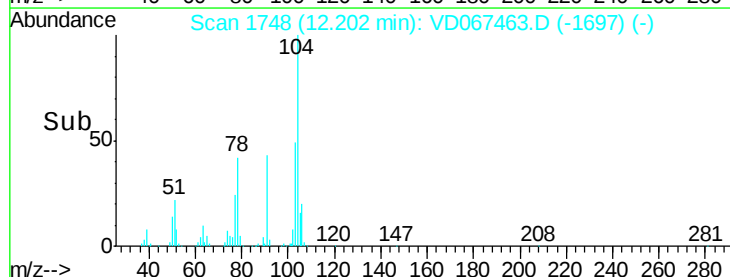
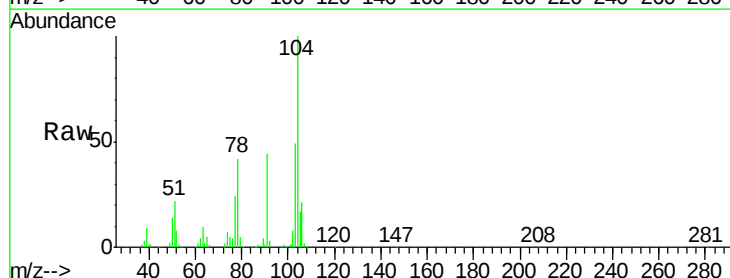
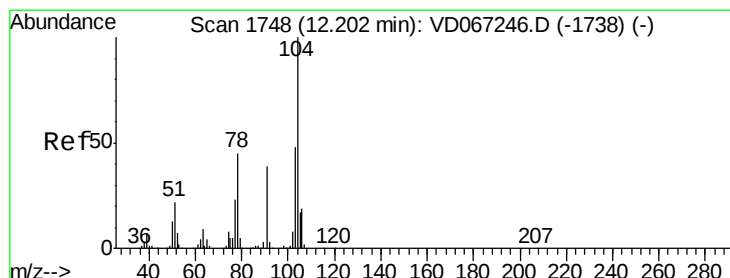
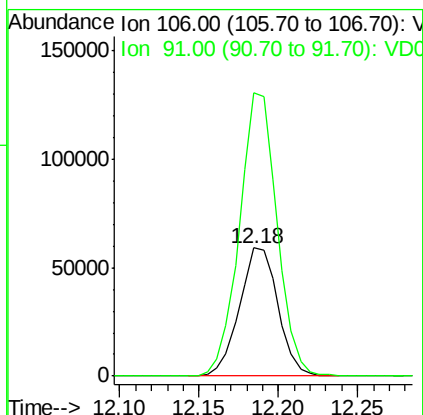
#69
o-Xylene
Concen: 20.421 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion:106 Resp: 99936
Ion Ratio Lower Upper
106 100
91 215.8 109.1 327.3

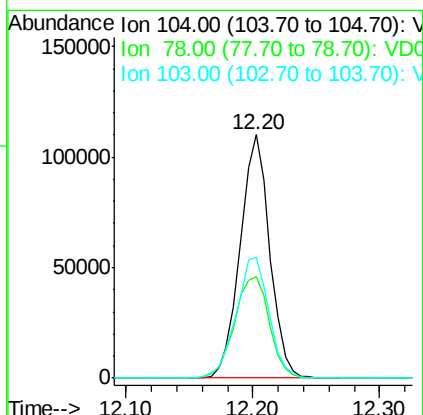
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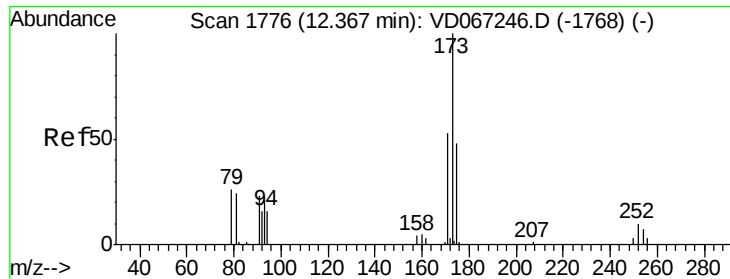
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#70
Styrene
Concen: 21.113 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion:104 Resp: 177864
Ion Ratio Lower Upper
104 100
78 49.1 39.8 59.6
103 54.9 42.6 64.0





#71

Bromoform

Concen: 20.610 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

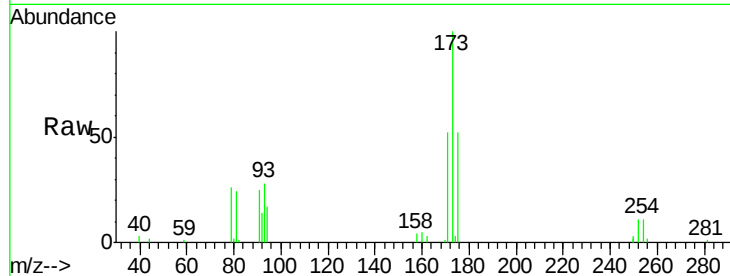
ClientSampleId :

VD1030SBS01

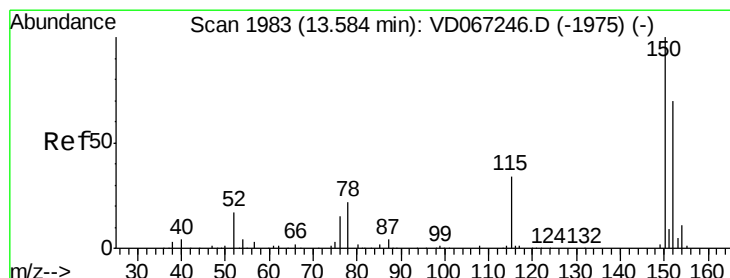
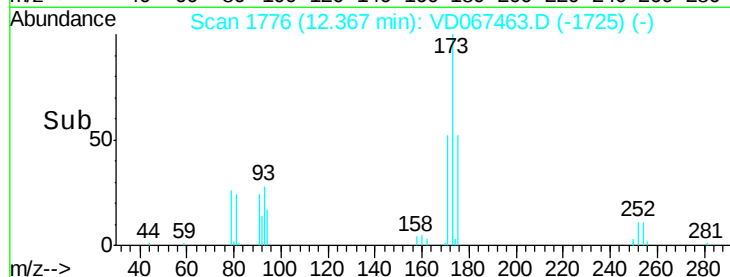
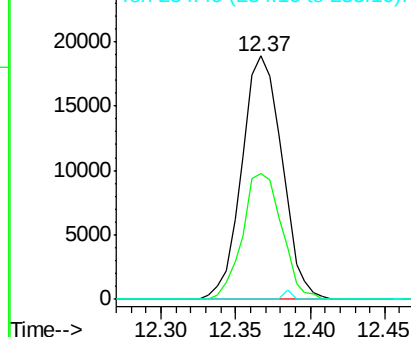
Tot Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.2	72.6
254	0.8	0.1	0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

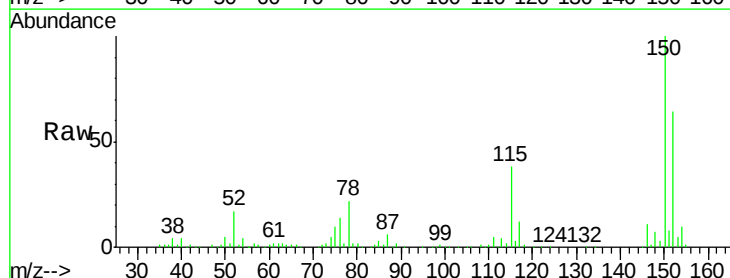
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

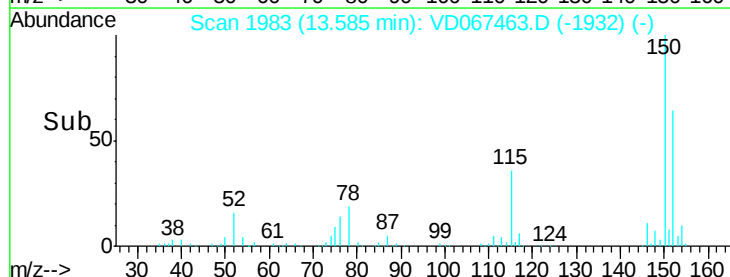
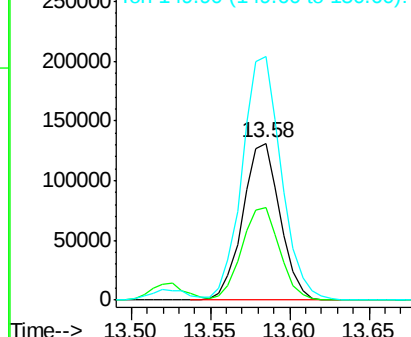
Lab File: VD067463.D

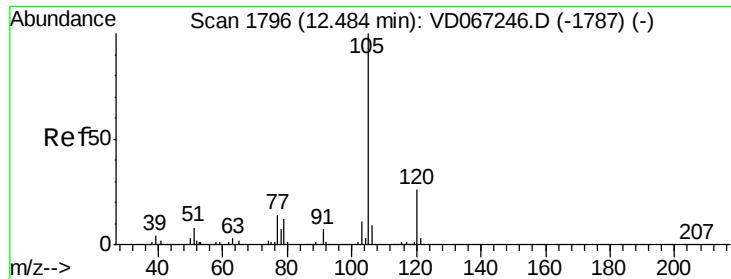
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.2	29.3	87.9
150	162.8	0.0	339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.030 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 105 Resp: 286071

Ion Ratio Lower Upper

105 100

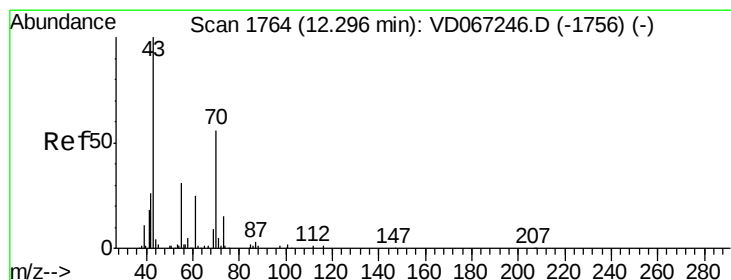
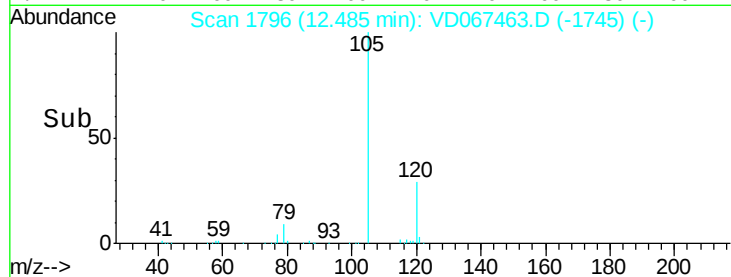
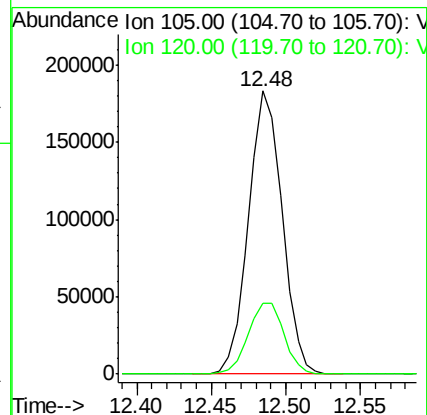
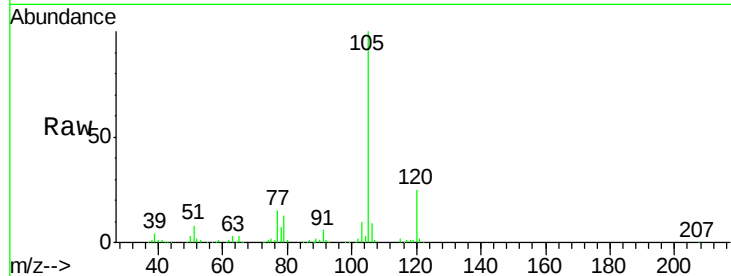
120 26.7 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 19.315 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tgt Ion: 43 Resp: 39683

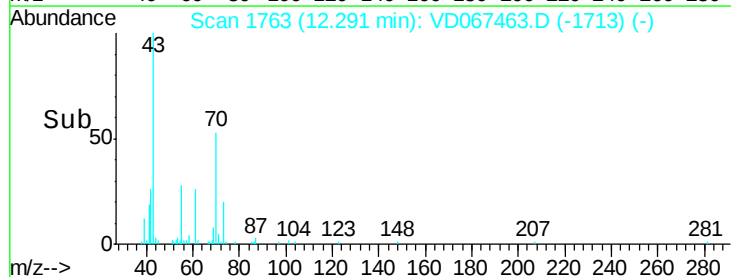
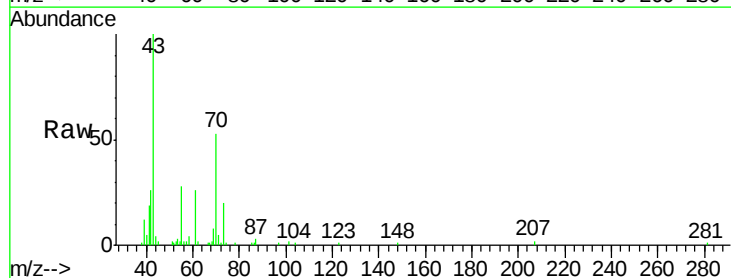
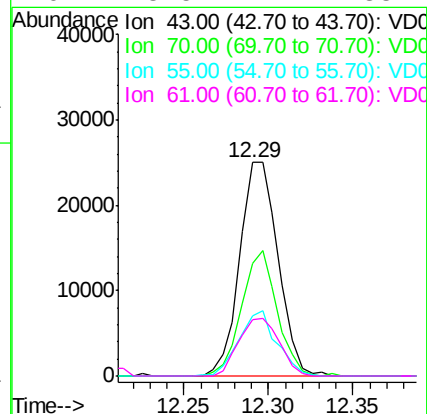
Ion Ratio Lower Upper

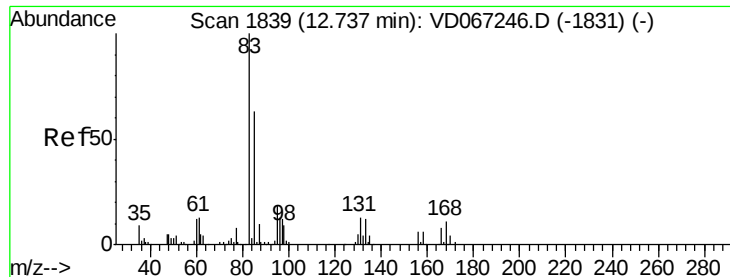
43 100

70 54.1 42.7 64.1

55 30.1 24.0 36.0

61 28.5 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 20.510 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 83 Resp: 42748

Ion Ratio Lower Upper

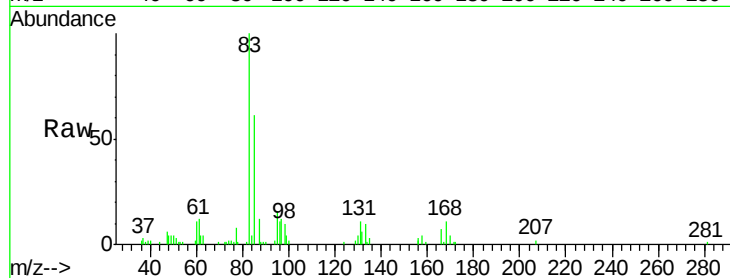
83 100

131 13.1 6.5 19.5

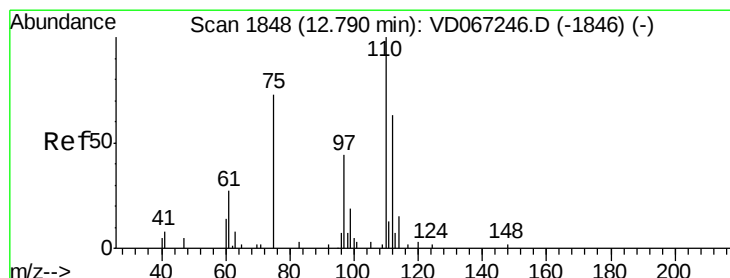
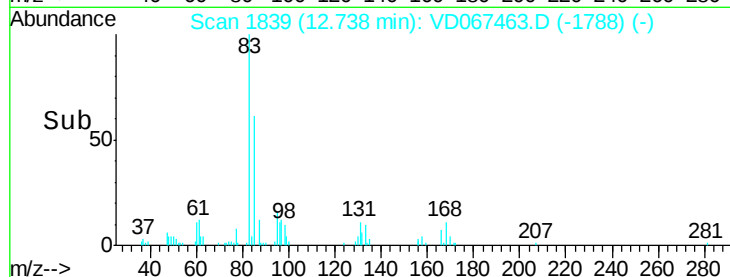
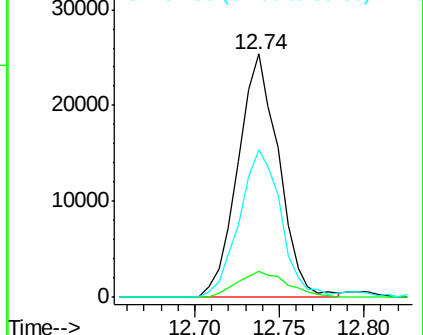
85 61.8 32.6 97.7

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



#76

1,2,3-Trichloropropane

Concen: 19.357 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VD067463.D

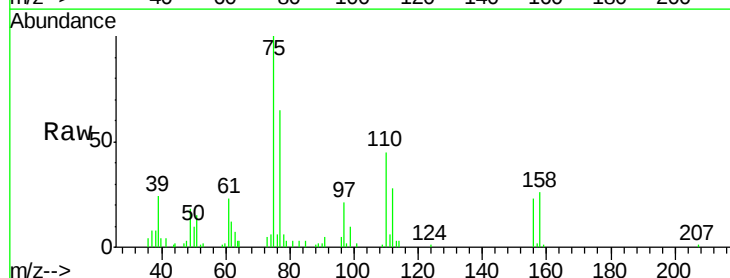
Acq: 30 Oct 2020 10:44

Tgt Ion: 75 Resp: 28755

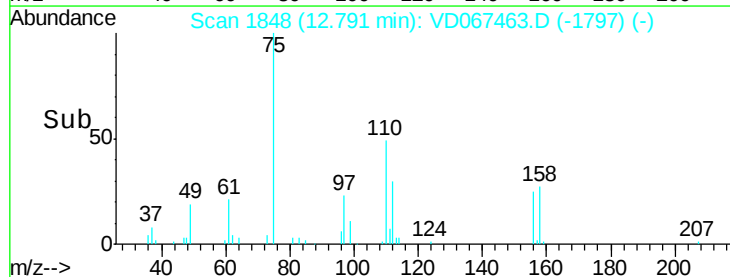
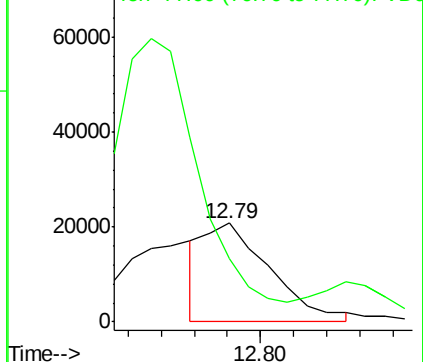
Ion Ratio Lower Upper

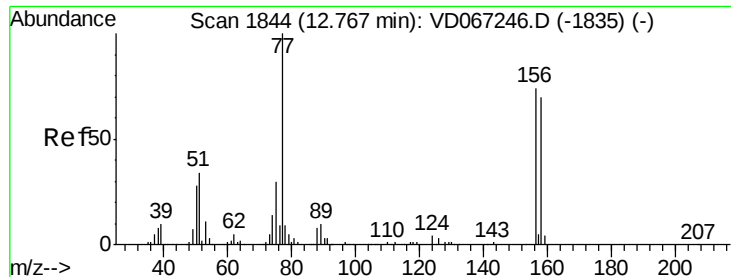
75 100

77 0.0 0.0 0.0



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





#77

Bromobenzene

Concen: 21.330 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

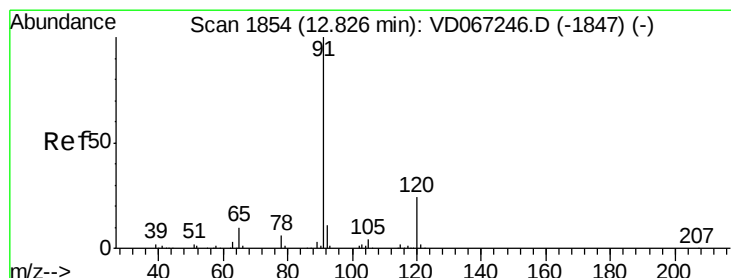
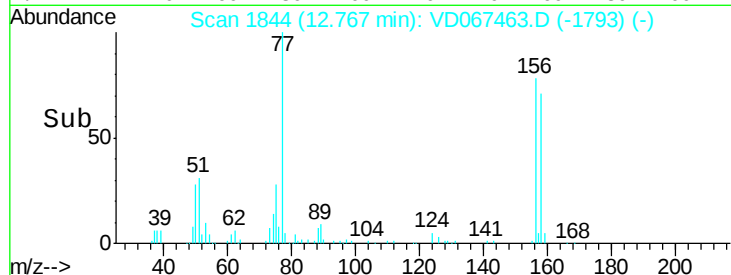
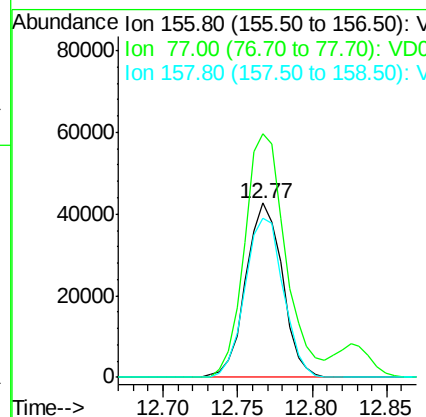
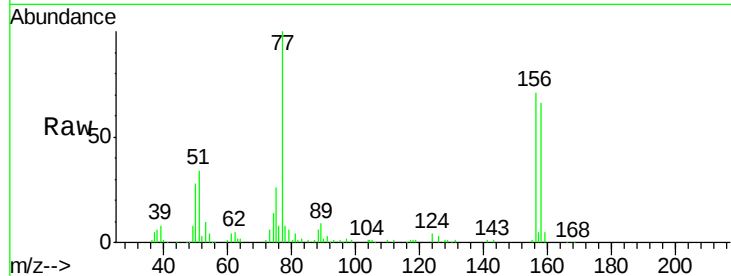
ClientSampleId :

VD1030SBS01

Tot Ion:	156	Resp:	72336
Ion	Ratio	Lower	Upper
156	100		
77	156.9	78.0	233.8
158	95.8	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 21.276 ug/l

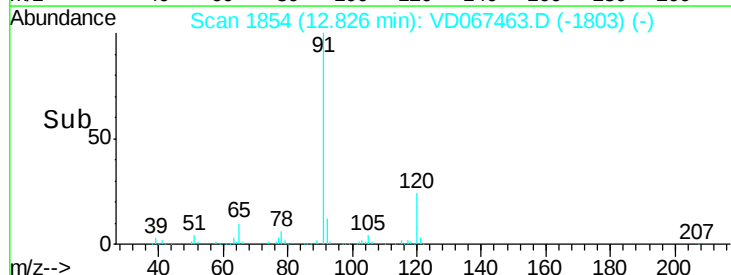
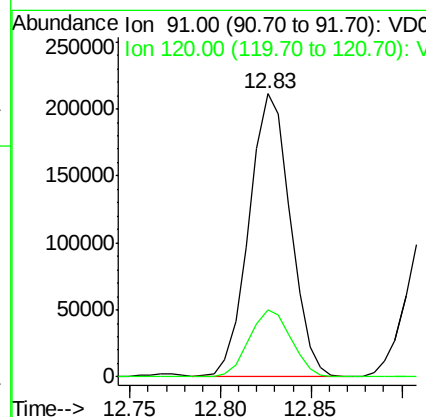
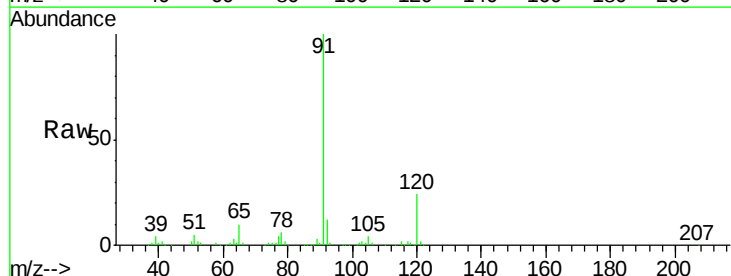
RT: 12.83 min Scan# 1854

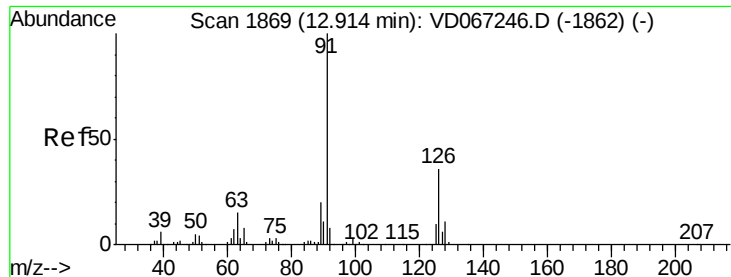
Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tgt Ion:	91	Resp:	335318
Ion	Ratio	Lower	Upper
91	100		
120	24.0	11.9	35.9





#79

2-Chlorotoluene

Concen: 20.532 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

ClientSampleId :

VD1030SBS01

Tot Ion: 91 Resp: 187661

Ion Ratio Lower Upper

91 100

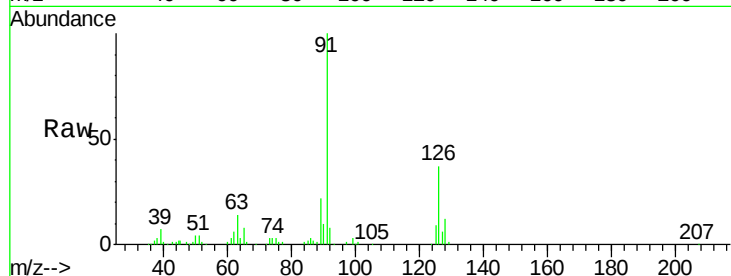
126 37.0 17.6 52.8

Manual Integrations

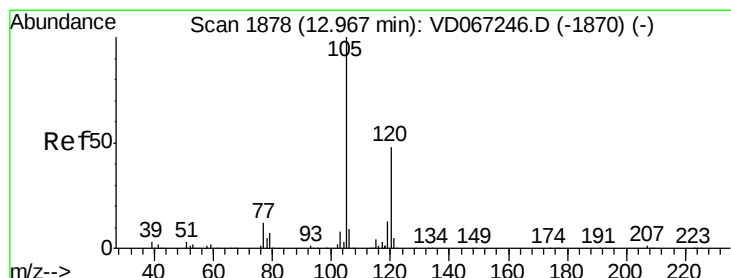
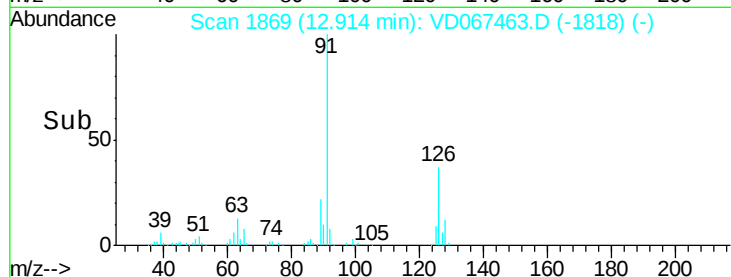
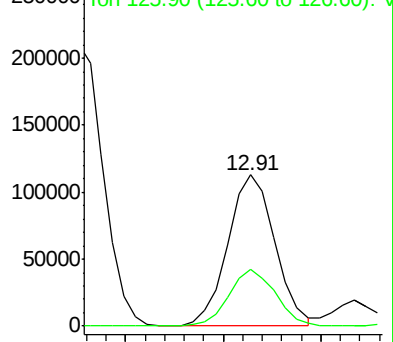
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Abundance Ion 91.00 (90.70 to 91.70): VD067463.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 21.420 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067463.D

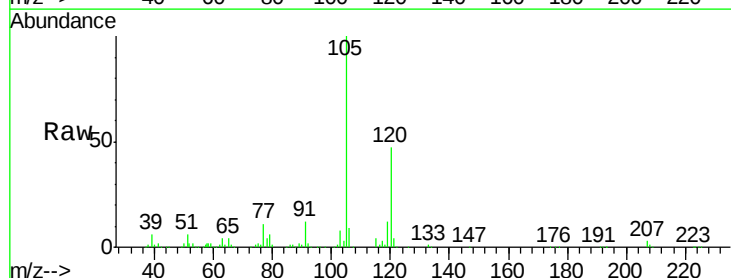
Acq: 30 Oct 2020 10:44

Tgt Ion: 105 Resp: 253205

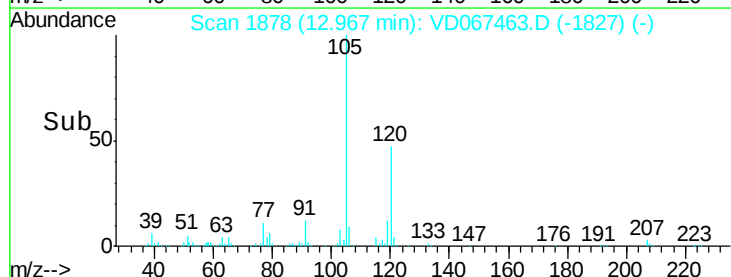
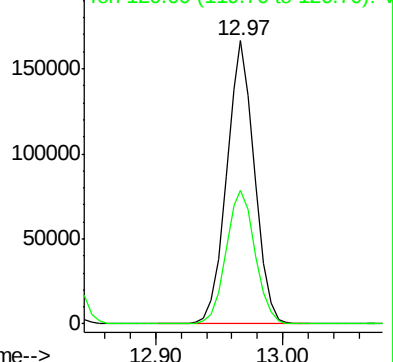
Ion Ratio Lower Upper

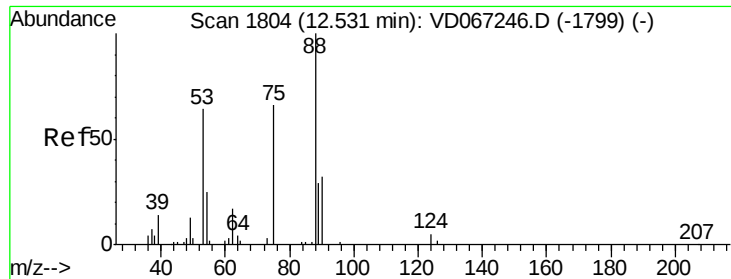
105 100

120 49.0 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067463.D (-1870) (-)





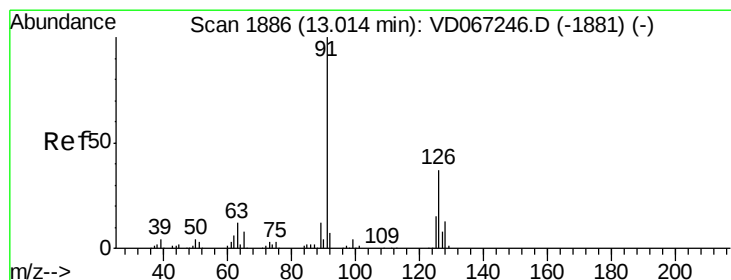
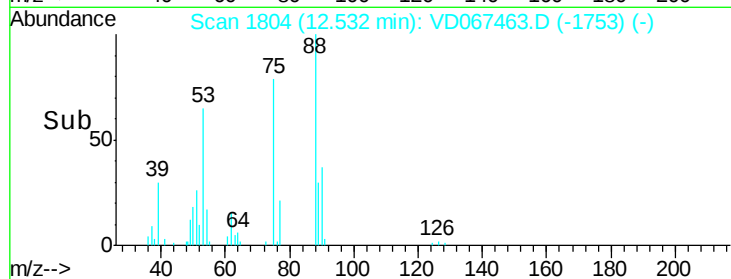
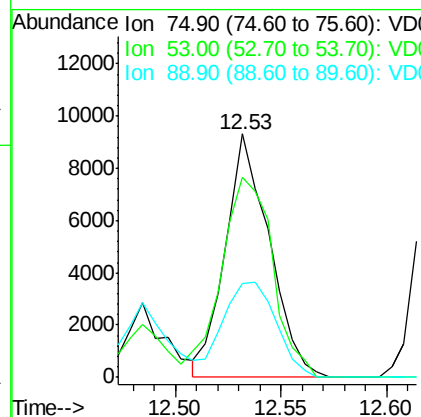
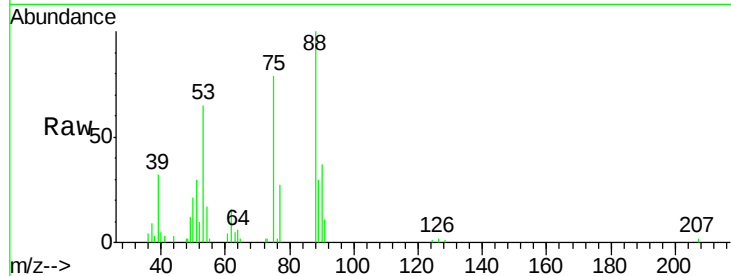
#81
trans-1,4-Dichloro-2-butene
Concen: 20.576 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.1	78.5	117.7
89	47.5	39.9	59.9

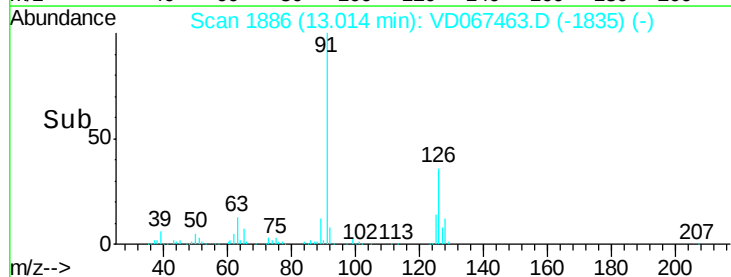
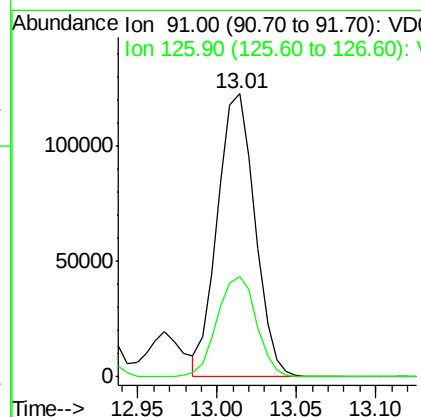
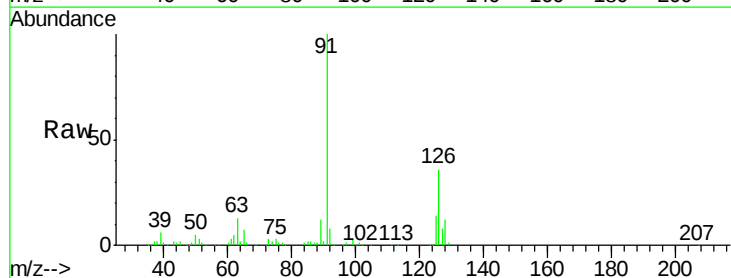
Manual Integrations
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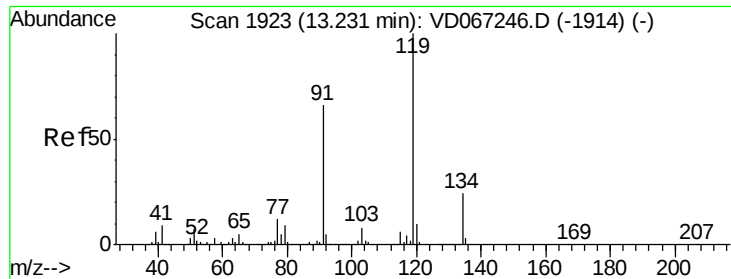
MMDadoda
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#82
4-Chlorotoluene
Concen: 20.775 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
91	100		
126	37.3	17.8	53.5





#83

tert-Butylbenzene

Concen: 20.964 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Instrument :

MSVOA_D

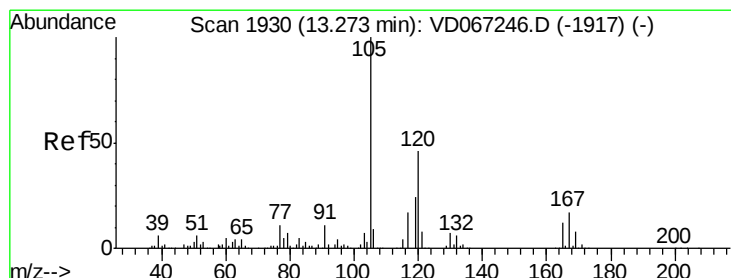
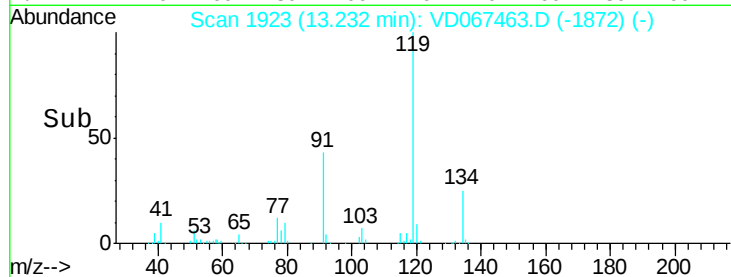
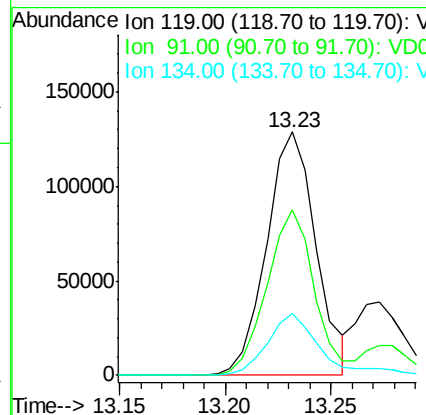
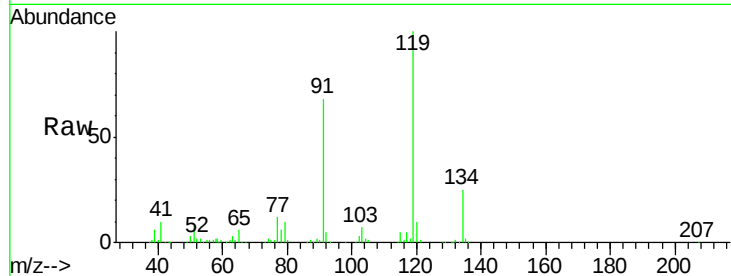
ClientSampleId :

VD1030SBS01

Tot Ion:	119	Resp:	209333
Ion Ratio	Lower	Upper	
119	100		
91	66.3	33.1	99.2
134	27.1	13.3	39.9

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 21.294 ug/l

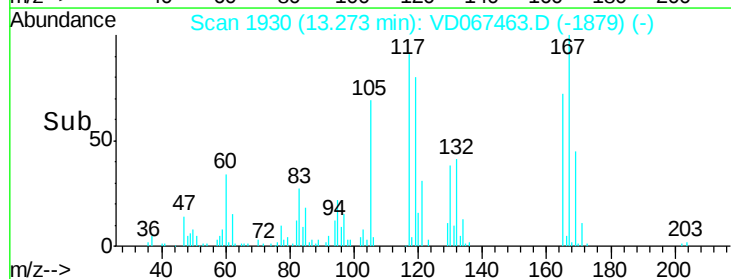
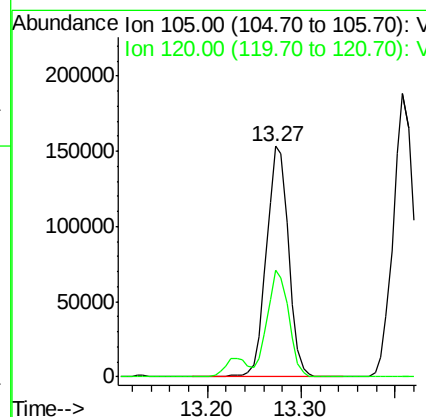
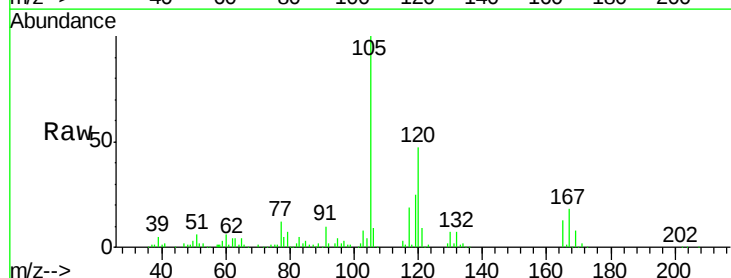
RT: 13.27 min Scan# 1930

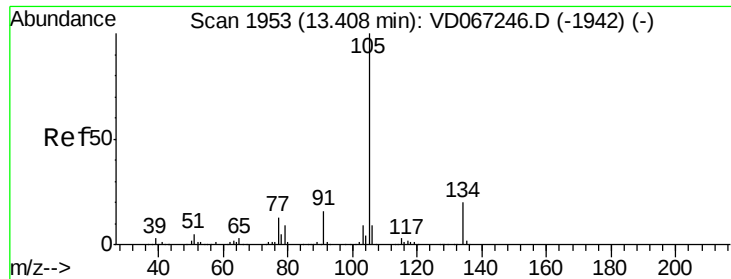
Delta R.T. 0.00 min

Lab File: VD067463.D

Acq: 30 Oct 2020 10:44

Tgt Ion:	105	Resp:	248791
Ion Ratio	Lower	Upper	
105	100		
120	44.8	22.4	67.3





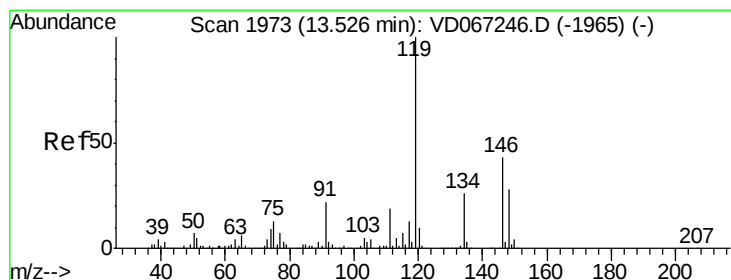
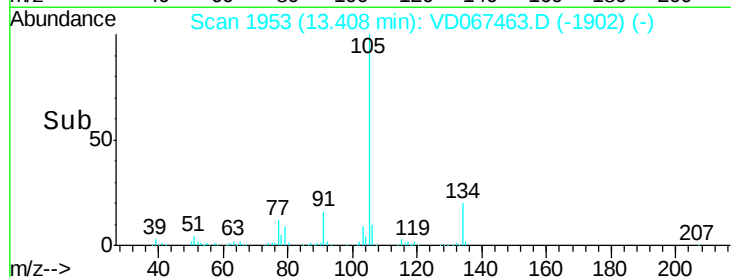
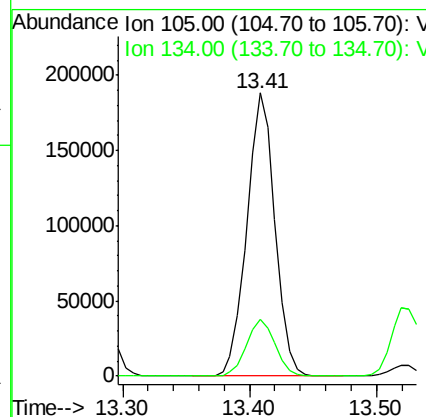
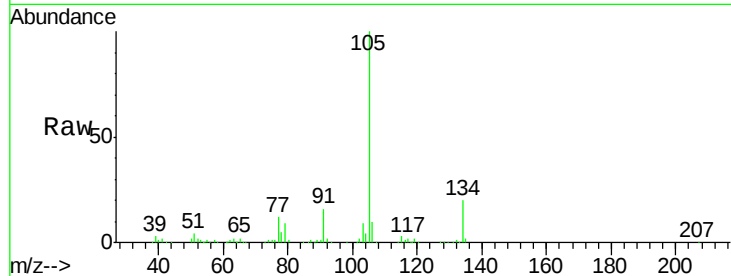
#85
 sec-Butylbenzene
 Concen: 21.068 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.5	10.5	31.5

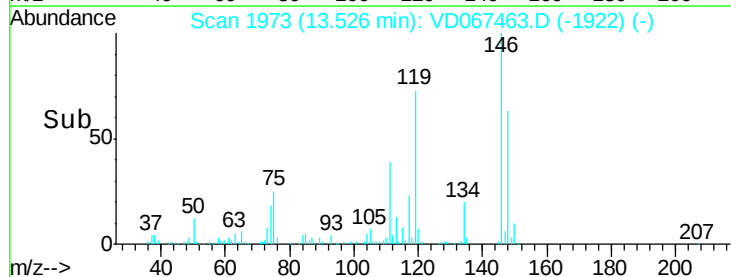
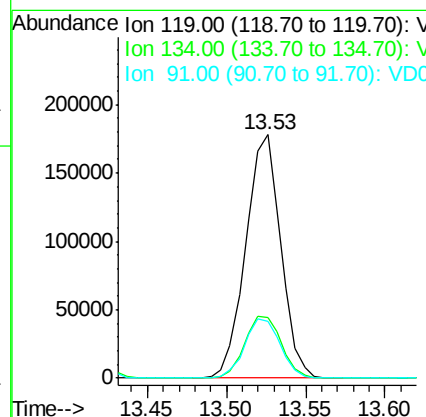
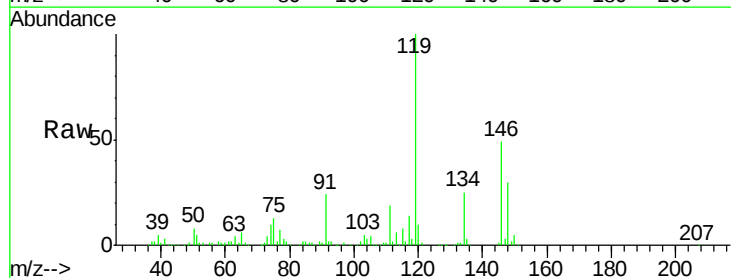
Manual Integrations
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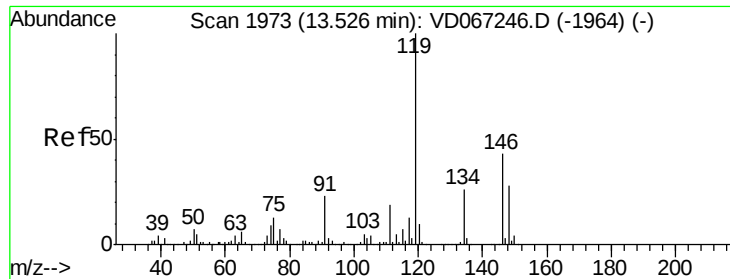
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 11/2/2020 4:09:30 PM



#86
 p-Isopropyltoluene
 Concen: 21.131 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.1	39.3
91	25.0	11.9	35.9





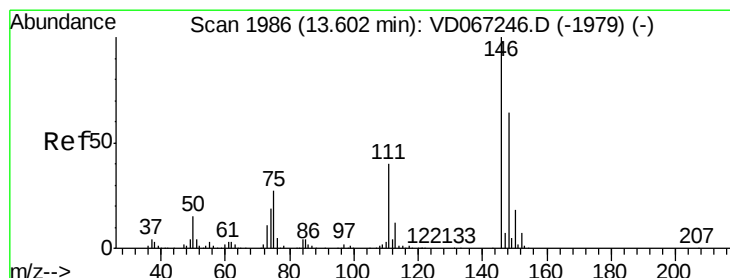
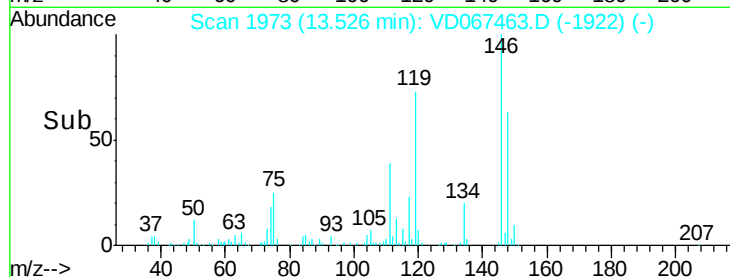
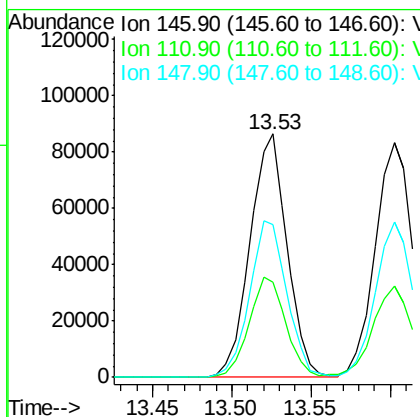
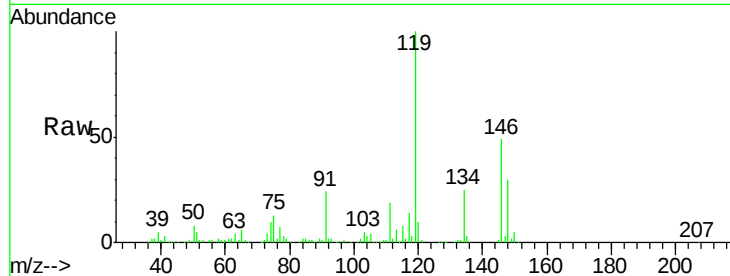
#87
 1,3-Dichlorobenzene
 Concen: 21.546 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	140644		
111	40.6	21.1	63.3	
148	64.6	31.9	95.9	

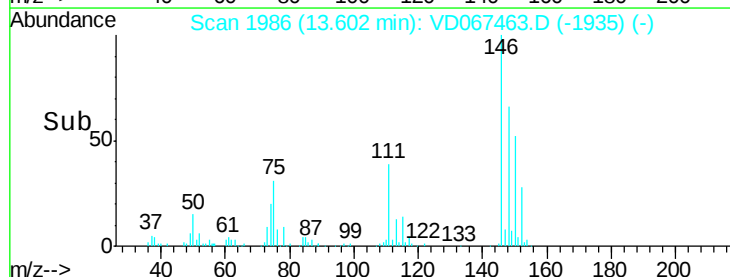
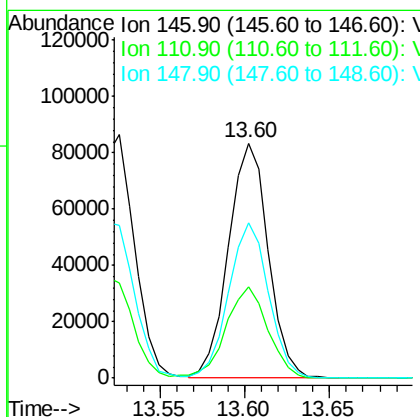
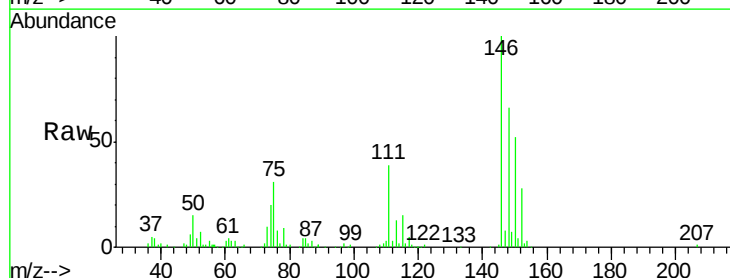
Manual Integrations
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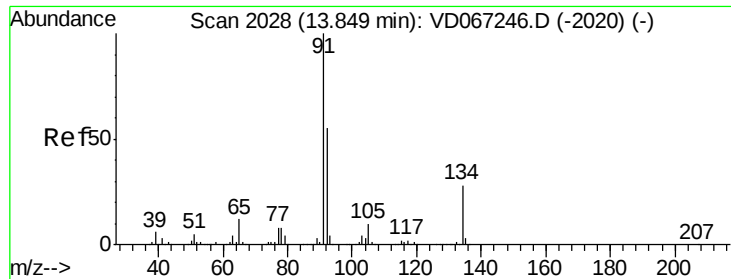
MMDadoda
 11/2/2020 4:09:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.154 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	136810		
111	40.8	19.9	59.7	
148	66.2	31.9	95.9	





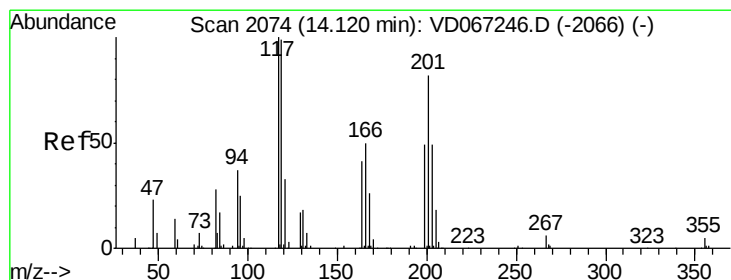
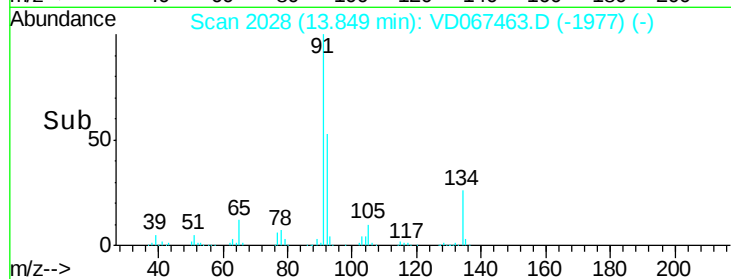
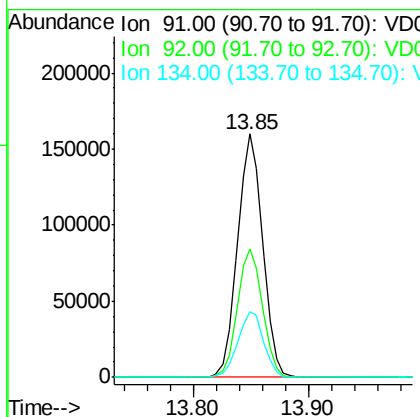
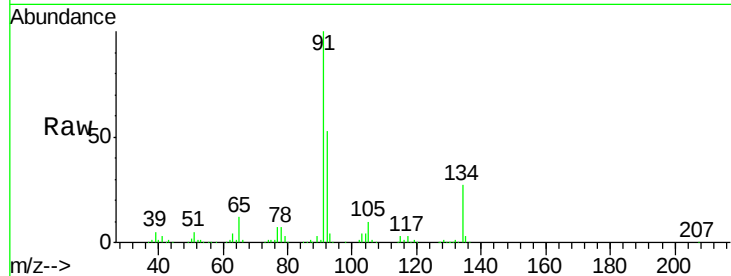
#89
n-Butylbenzene
Concen: 21.118 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	52.5	26.7	80.0	
134	27.5	14.2	42.6	

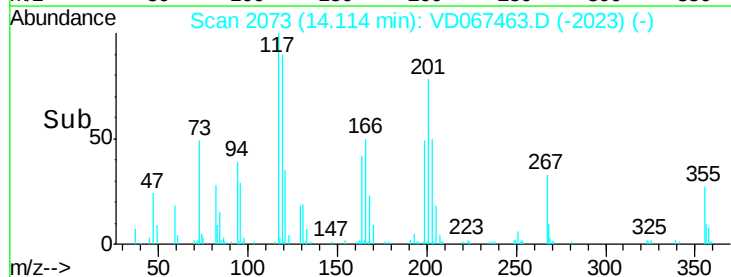
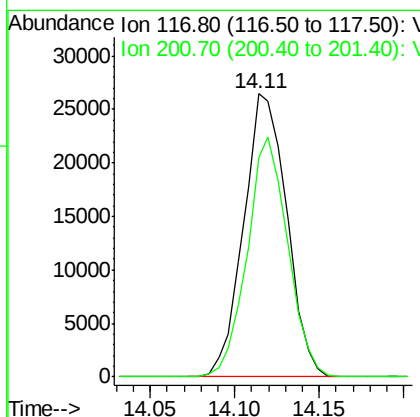
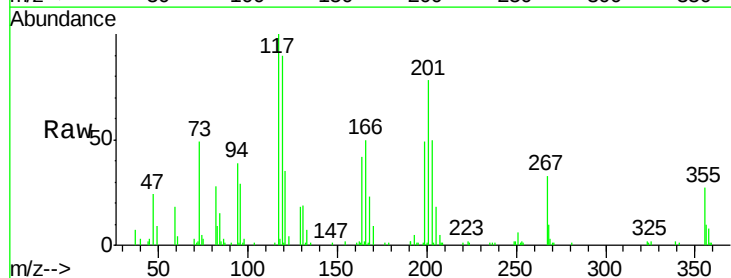
Manual Integrations
APPROVED

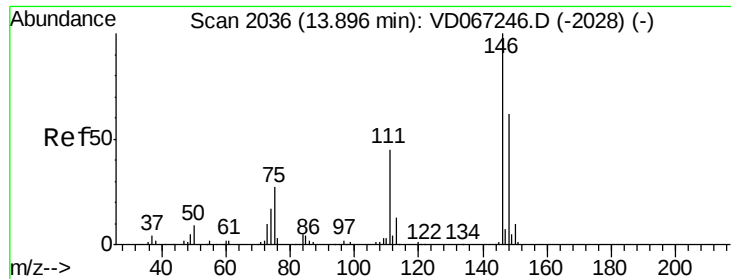
MMDadoda
11/2/2020 4:09:30 PM



#90
Hexachloroethane
Concen: 20.737 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	79.8	40.8	122.2	





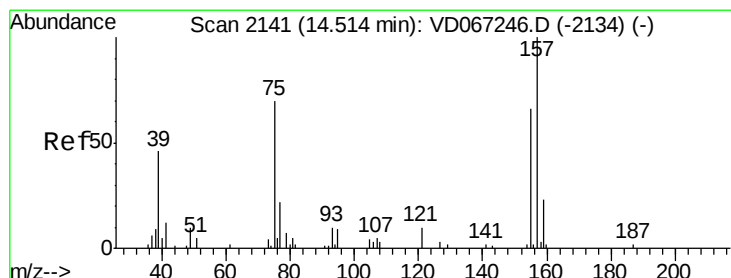
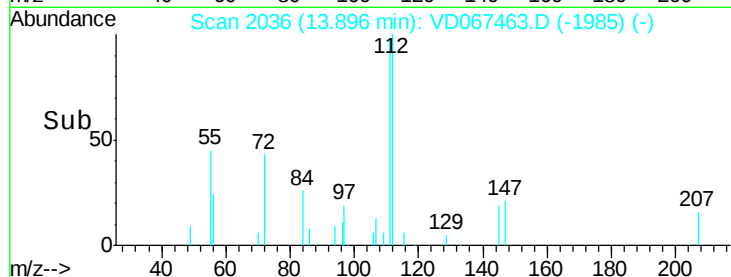
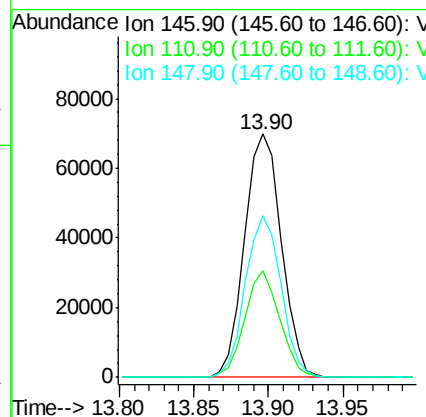
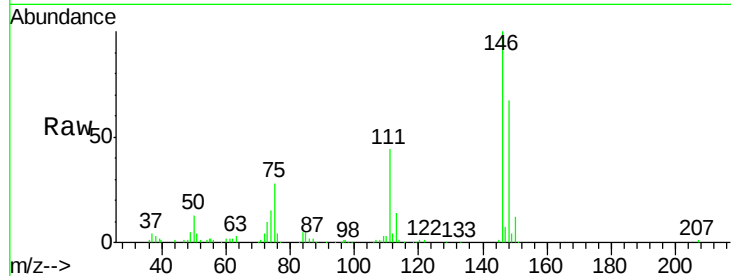
#91
 1,2-Dichlorobenzene
 Concen: 20.985 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	22.0	66.0
148	64.3	32.5	97.5

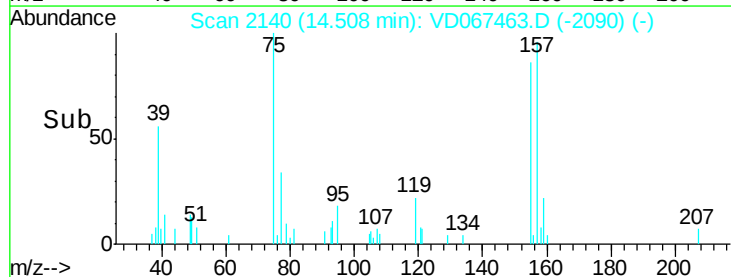
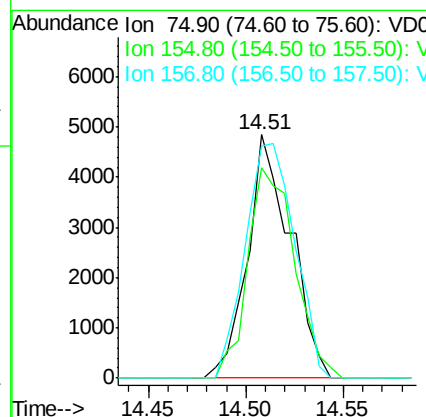
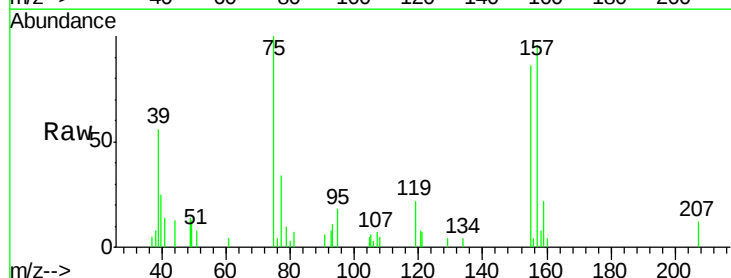
Manual Integrations
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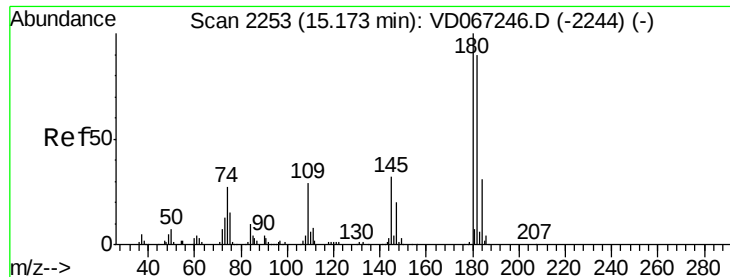
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.511 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.2	44.8	134.4
157	111.3	62.5	187.4





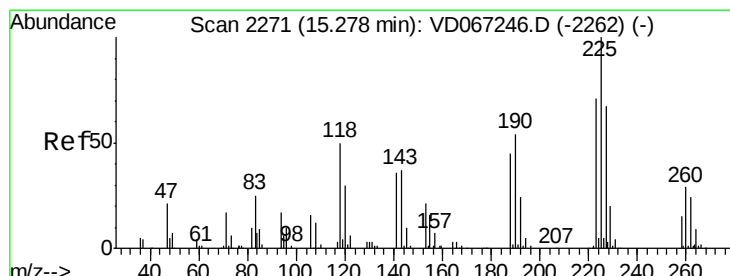
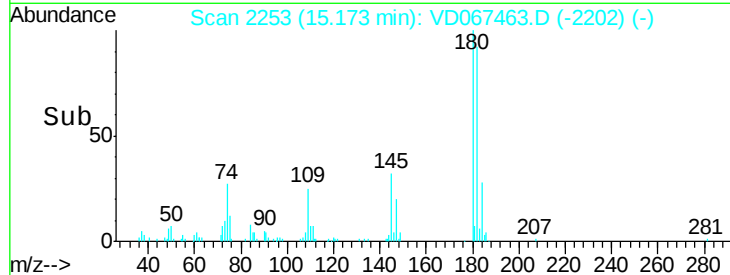
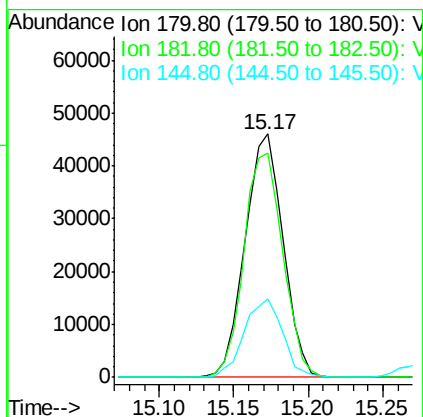
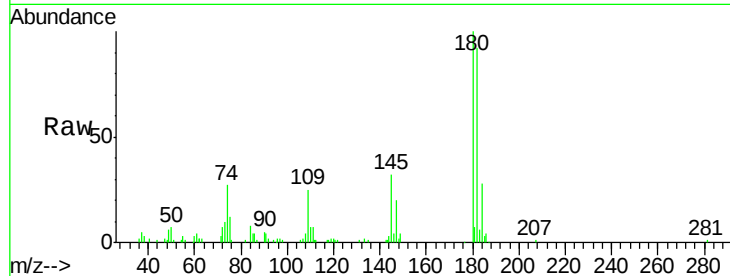
#93
 1,2,4-Trichlorobenzene
 Concen: 21.142 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1030SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.0	48.1	144.4	
145	32.5	16.3	48.9	

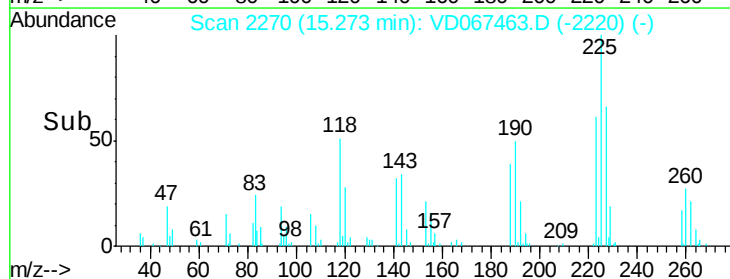
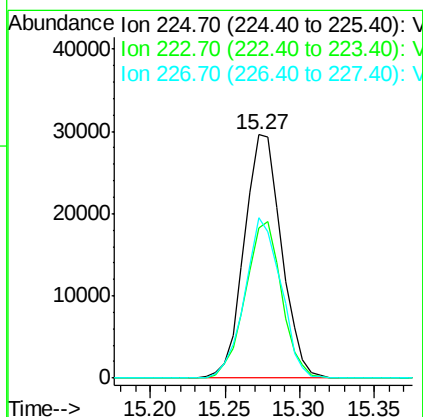
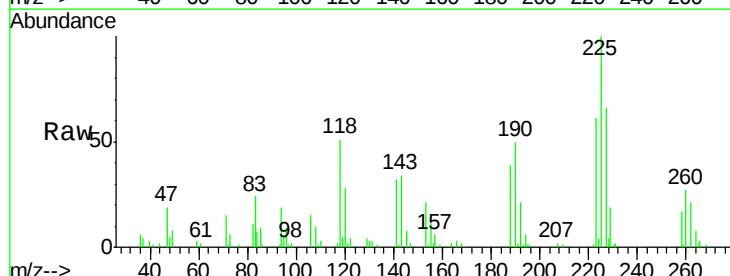
Manual Integrations
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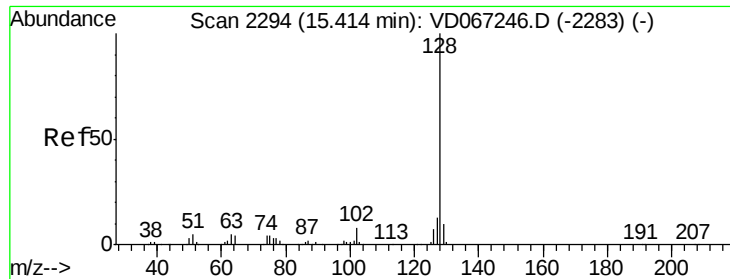
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#94
 Hexachlorobutadiene
 Concen: 21.388 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067463.D
 Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.5	31.9	95.7	
227	63.9	31.2	93.6	





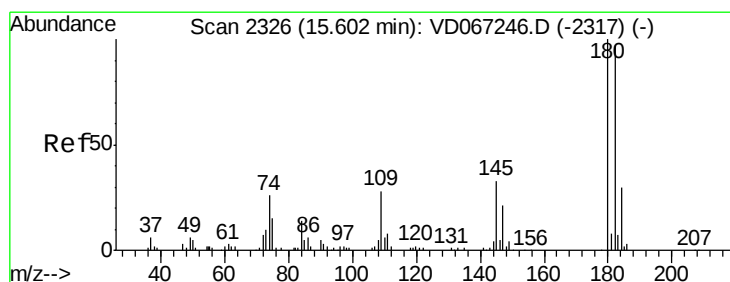
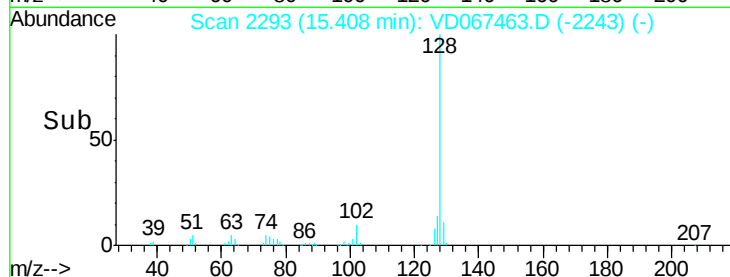
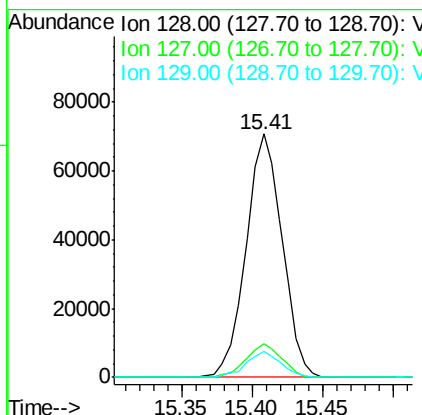
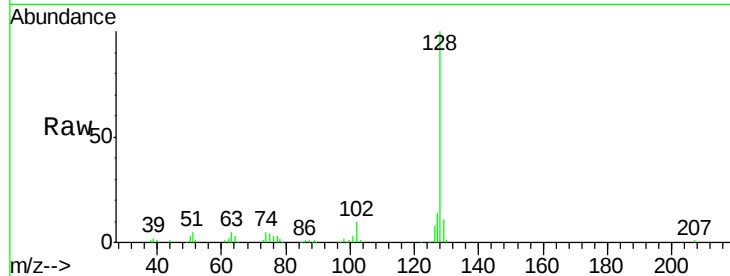
#95
Naphthalene
Concen: 20.116 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Instrument :
MSVOA_D
ClientSampleId :
VD1030SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.3	8.6	12.8

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 20.594 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067463.D
Acq: 30 Oct 2020 10:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	48.1	144.3
145	35.1	17.3	51.9

