

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101920\
 Data File : VD067311.D
 Acq On : 19 Oct 2020 16:45
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/20/2020 4:51:09 PM

Quant Time: Oct 20 01:56:51 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	357045	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	539971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	512649	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	249080	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	173720	48.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.14%	
35) Dibromofluoromethane	7.91	113	180909	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
50) Toluene-d8	10.34	98	652037	50.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.28%	
62) 4-Bromofluorobenzene	12.64	95	229923	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	125155	43.063	ug/l	97
3) Chloromethane	2.21	50	99238	44.164	ug/l	98
4) Vinyl Chloride	2.35	62	110788	44.935	ug/l	96
5) Bromomethane	2.77	94	88444	51.627	ug/l	97
6) Chloroethane	2.93	64	69048	44.969	ug/l	97
7) Trichlorofluoromethane	3.27	101	284238	45.783	ug/l	95
8) Diethyl Ether	3.70	74	69443	48.882	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.10	101	156932	47.577	ug/l	98
10) Methyl Iodide	4.30	142	166426	54.697	ug/l	100
11) Tert butyl alcohol	5.22	59	44873	239.343	ug/l	99
12) 1,1-Dichloroethene	4.07	96	140960	47.836	ug/l	96
13) Acrolein	3.93	56	49852	234.644	ug/l	96
14) Allyl chloride	4.71	41	173106	51.297	ug/l	97
15) Acrylonitrile	5.43	53	123203	259.908	ug/l	98
16) Acetone	4.16	43	109688	218.953	ug/l	97
17) Carbon Disulfide	4.41	76	382779	45.566	ug/l	99
18) Methyl Acetate	4.71	43	59707	52.254	ug/l	95
19) Methyl tert-butyl Ether	5.48	73	312271	53.294	ug/l	97
20) Methylene Chloride	4.97	84	162929	50.850	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	168205	49.602	ug/l	94
22) Diisopropyl ether	6.36	45	336657	54.612	ug/l	93
23) Vinyl Acetate	6.30	43	989647	282.180	ug/l	99
24) 1,1-Dichloroethane	6.26	63	272141	51.572	ug/l	98
25) 2-Butanone	7.21	43	152215	266.552	ug/l	94
26) 2,2-Dichloropropane	7.21	77	267444	49.171	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	189088	50.878	ug/l	98
28) Bromochloromethane	7.55	49	100500	55.837	ug/l #	96
29) Tetrahydrofuran	7.56	42	89402	281.638	ug/l	98
30) Chloroform	7.71	83	316325	50.180	ug/l	90
31) Cyclohexane	7.98	56	194646	47.244	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	305024	49.316	ug/l	98
36) 1,1-Dichloropropene	8.11	75	226570	49.506	ug/l	99
37) Ethyl Acetate	7.29	43	72278	53.678	ug/l	97
38) Carbon Tetrachloride	8.10	117	279022	47.701	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	241689	50.515	ug/l	94
40) Benzene	8.35	78	644394	51.324	ug/l	96
41) Methacrylonitrile	7.52	41	35790m	49.186	ug/l	
42) 1,2-Dichloroethane	8.43	62	194316	49.454	ug/l	99
43) Isopropyl Acetate	8.46	43	140913	52.740	ug/l	98
44) Trichloroethene	9.11	130	201728	50.182	ug/l	94
45) 1,2-Dichloropropane	9.39	63	147759	50.779	ug/l	98
46) Dibromomethane	9.48	93	93903	51.795	ug/l	93
47) Bromodichloromethane	9.67	83	249163	51.296	ug/l	97
48) Methyl methacrylate	9.46	41	72264	55.655	ug/l	91
49) 1,4-Dioxane	9.47	88	17811	1015.658	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	366517	275.031	ug/l	98
52) Toluene	10.41	92	437979	51.217	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	219417	51.423	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	256541	51.373	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	127813	51.700	ug/l	97
56) Ethyl methacrylate	10.66	69	143501	55.968	ug/l	97
57) 1,3-Dichloropropane	10.95	76	205316	52.185	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	365680	278.017	ug/l	98
59) 2-Hexanone	10.99	43	243981	267.925	ug/l	96
60) Dibromochloromethane	11.14	129	180935	50.185	ug/l	99
61) 1,2-Dibromoethane	11.25	107	124542	51.099	ug/l	99
64) Tetrachloroethene	10.88	164	176254	47.453	ug/l	97
65) Chlorobenzene	11.67	112	483530	49.186	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	195261	49.976	ug/l	99
67) Ethyl Benzene	11.75	91	856625	50.834	ug/l	97
68) m/p-Xylenes	11.86	106	650152	100.189	ug/l	99
69) o-Xylene	12.18	106	300652	50.033	ug/l	100
70) Styrene	12.20	104	523890	50.645	ug/l	100
71) Bromoform	12.37	173	105928	50.466	ug/l #	99
73) Isopropylbenzene	12.48	105	852164	53.906	ug/l	100
74) N-amyl acetate	12.30	43	133061	55.731	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	134051	55.343	ug/l	96
76) 1,2,3-Trichloropropane	12.79	75	96384m	55.831	ug/l	
77) Bromobenzene	12.77	156	200670	50.916	ug/l	95
78) n-propylbenzene	12.83	91	970714	52.998	ug/l	100
79) 2-Chlorotoluene	12.91	91	546248	51.427	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	721994	52.557	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	40907	53.734	ug/l	93
82) 4-Chlorotoluene	13.01	91	577110	51.192	ug/l	99
83) tert-Butylbenzene	13.23	119	627071	54.039	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	729314	53.715	ug/l	99
85) sec-Butylbenzene	13.41	105	840596	52.793	ug/l	100
86) p-Isopropyltoluene	13.53	119	803234	53.446	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	381800	50.331	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	385844	51.339	ug/l	99
89) n-Butylbenzene	13.85	91	722096	54.615	ug/l	99
90) Hexachloroethane	14.12	117	136140	51.910	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	338895	51.139	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21579	49.039	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	248013	55.508	ug/l	98
94) Hexachlorobutadiene	15.28	225	149223	53.782	ug/l	99
95) Naphthalene	15.41	128	430966	58.749	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	215942	55.944	ug/l	97

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

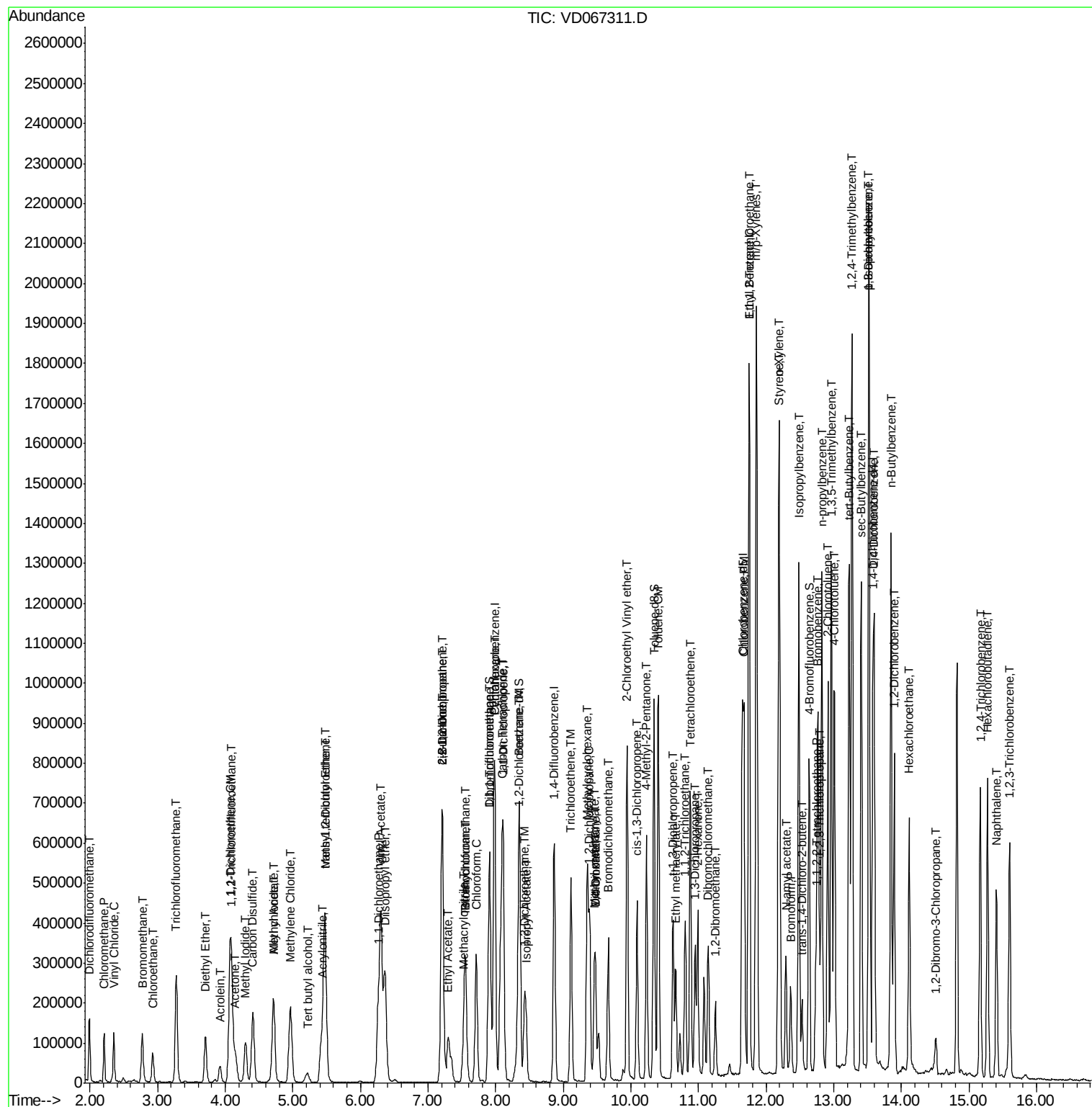
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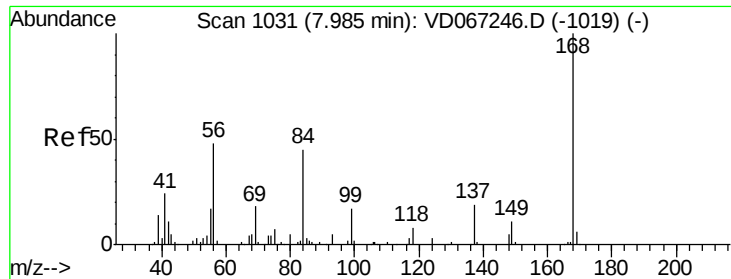
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 357045

Ion Ratio Lower Upper

168 100

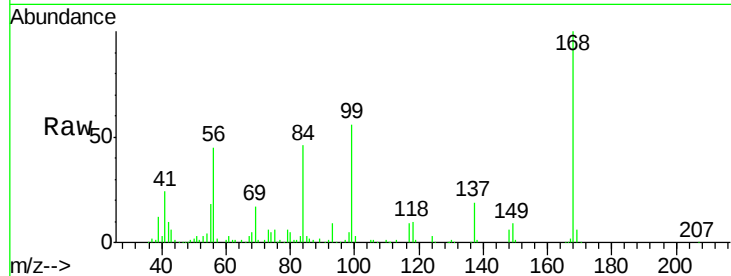
99 56.0 45.9 68.9

Manual Integrations

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10/20/2020 4:51:09 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

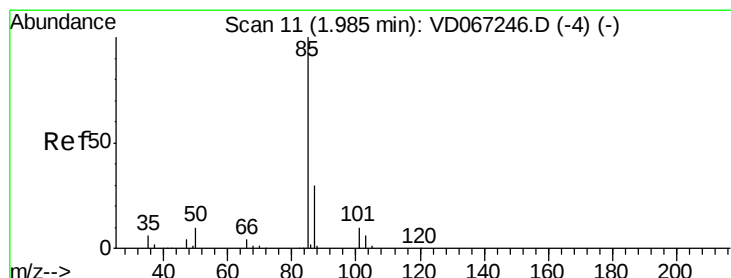
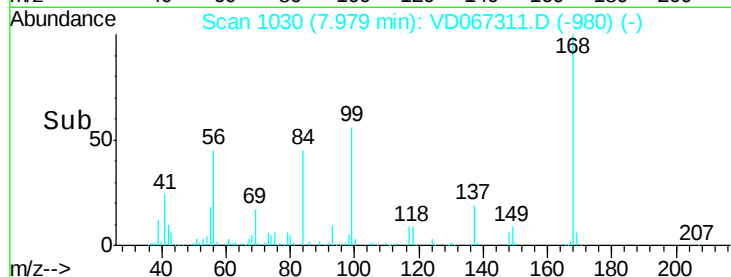
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 43.063 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067311.D

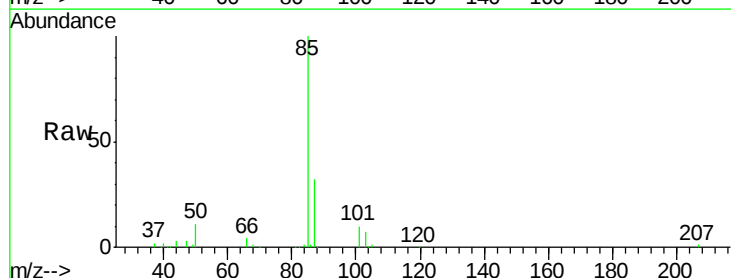
Acq: 19 Oct 2020 16:45

Tgt Ion: 85 Resp: 125155

Ion Ratio Lower Upper

85 100

87 32.3 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

100000

80000

60000

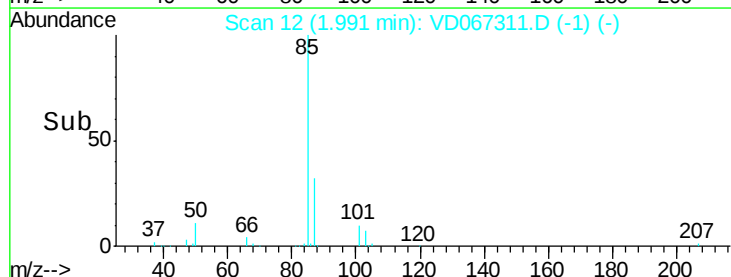
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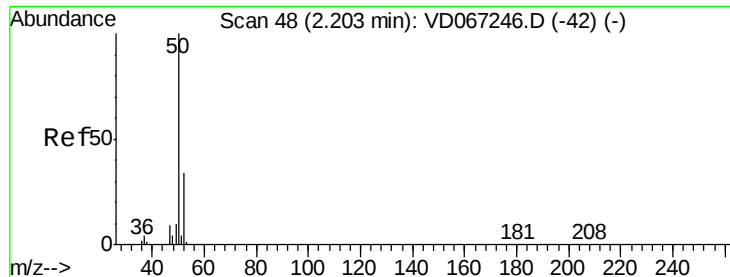
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 44.164 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 99238

Ion Ratio Lower Upper

50 100

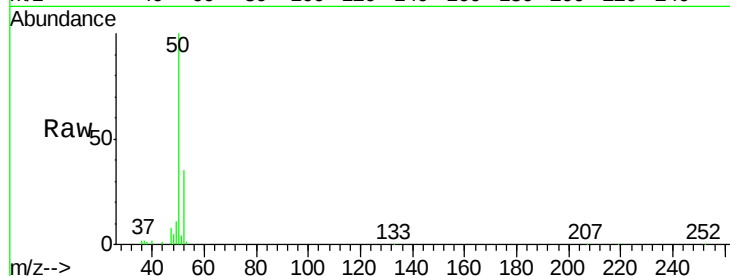
52 34.8 27.1 40.7

Manual Integrations

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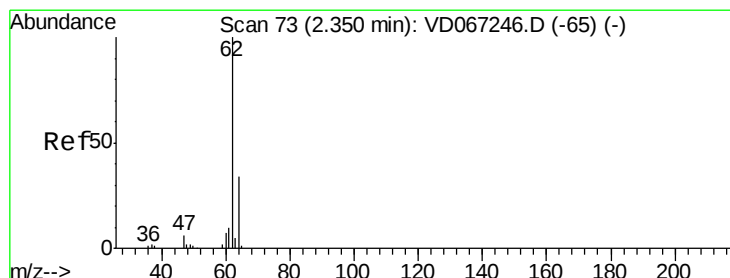
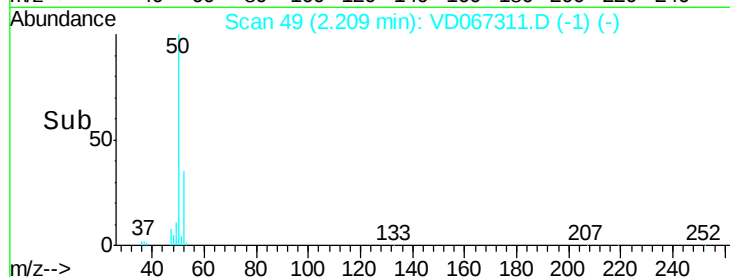
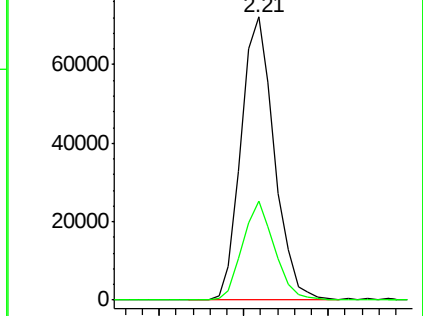
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.935 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067311.D

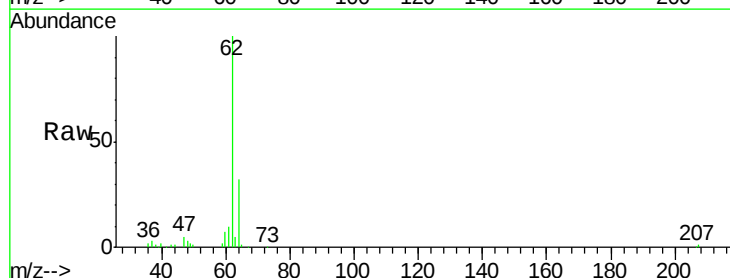
Acq: 19 Oct 2020 16:45

Tgt Ion: 62 Resp: 110788

Ion Ratio Lower Upper

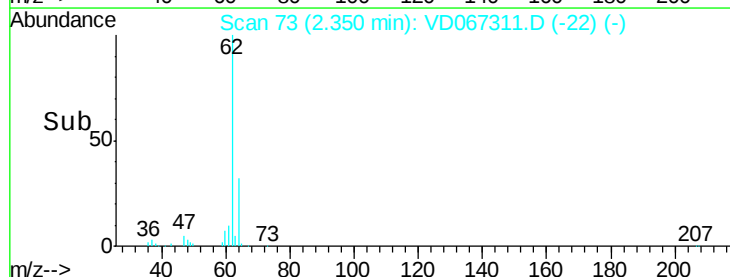
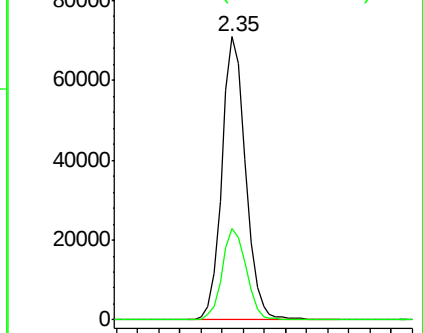
62 100

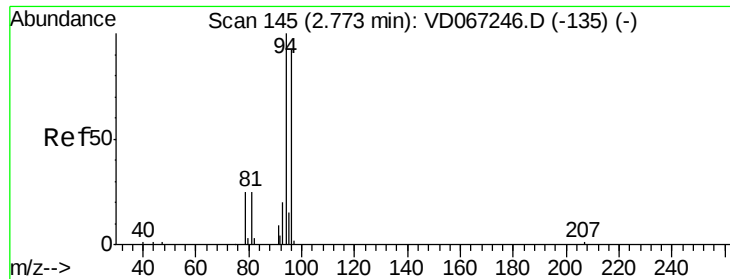
64 32.2 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 51.627 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

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Tot Ion: 94 Resp: 88444

Ion Ratio Lower Upper

94 100

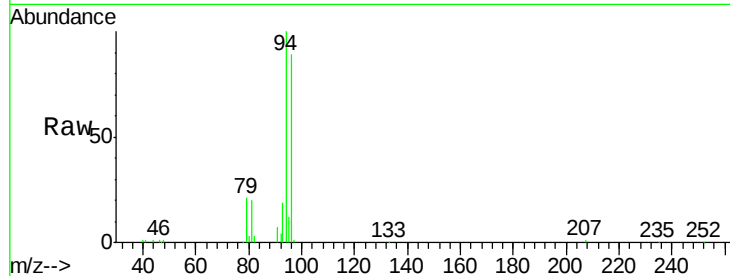
96 88.9 73.8 110.6

Manual Integrations

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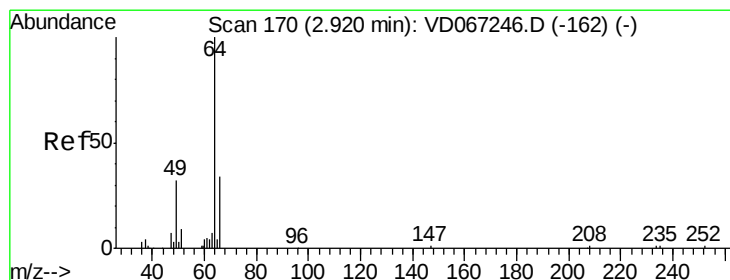
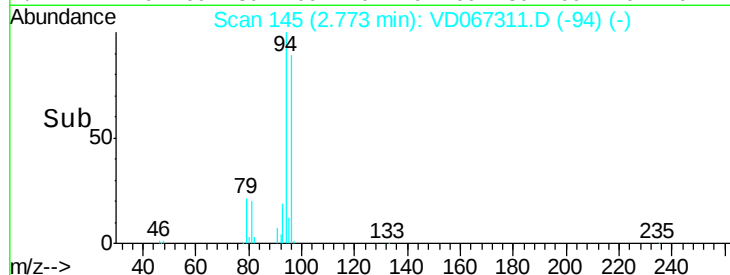
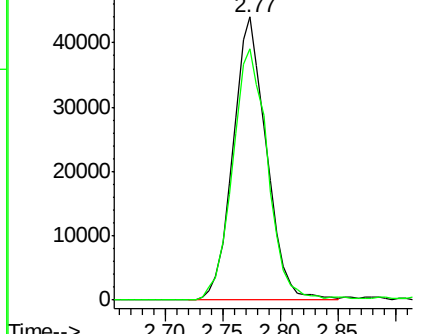
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.969 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067311.D

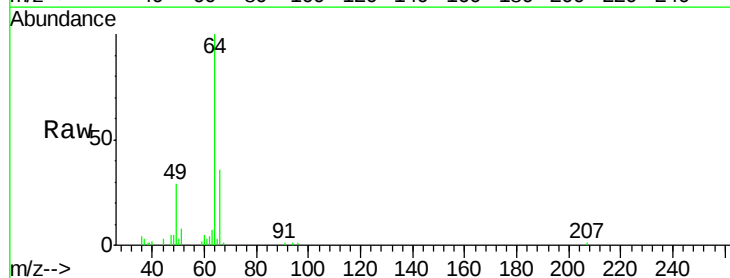
Acq: 19 Oct 2020 16:45

Tgt Ion: 64 Resp: 69048

Ion Ratio Lower Upper

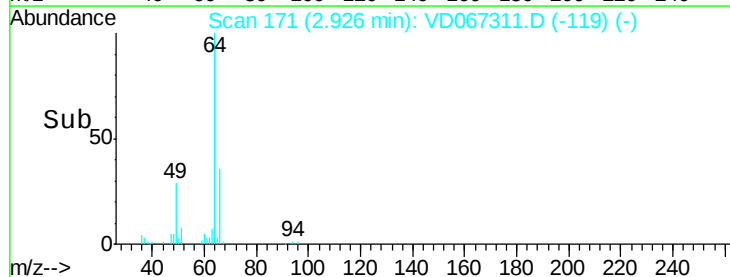
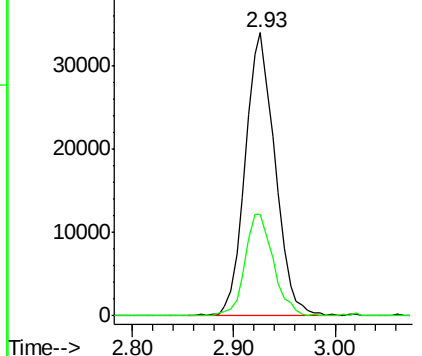
64 100

66 35.8 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

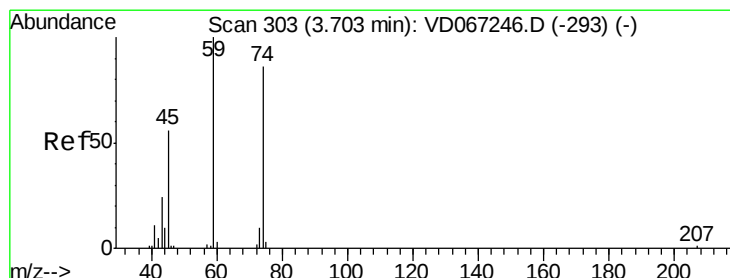
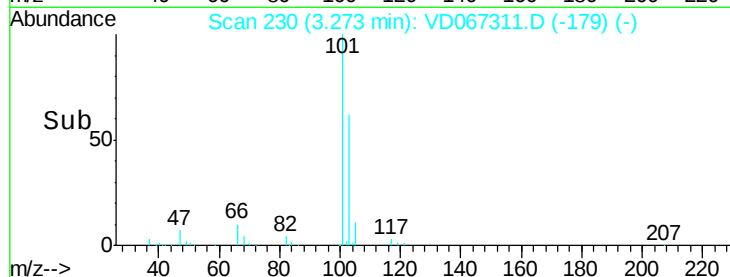
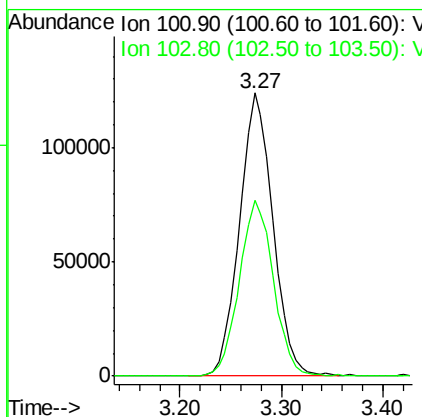
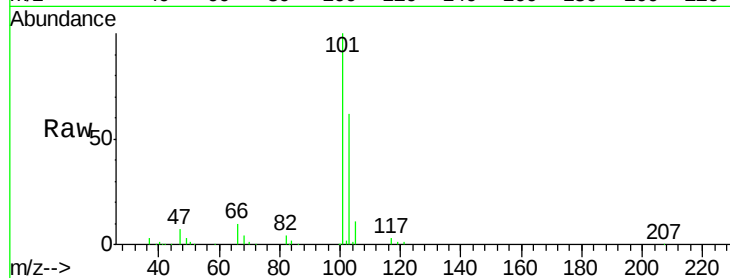
Trichlorofluoromethane
Concen: 45.783 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	284238		
103	62.2	53.1	79.7	

Manual Integrations
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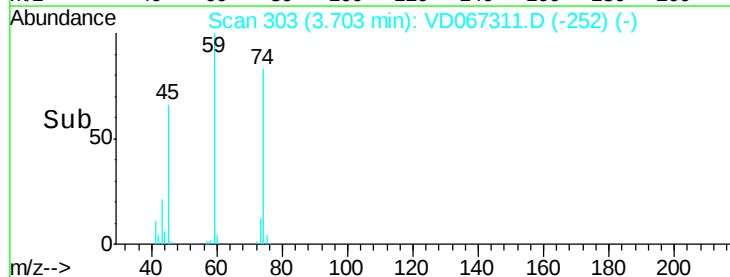
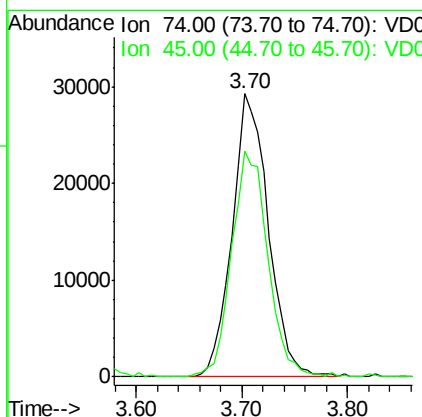
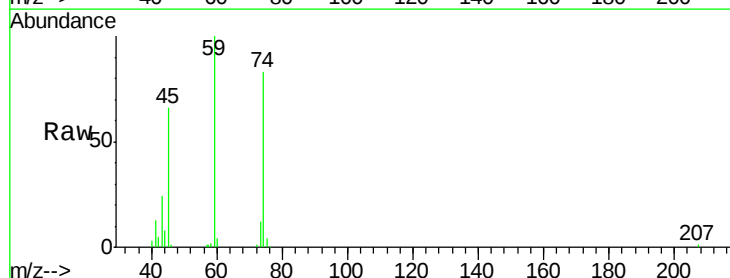
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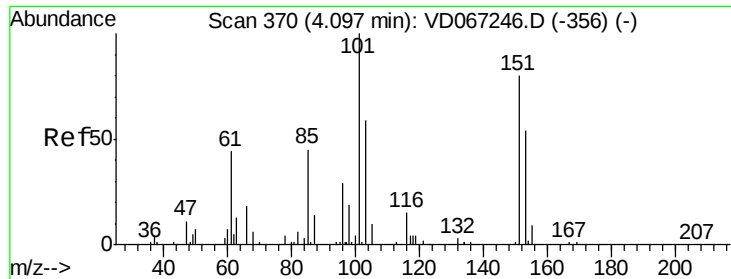


#8

Diethyl Ether
Concen: 48.882 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	69443		
45	79.6	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.577 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

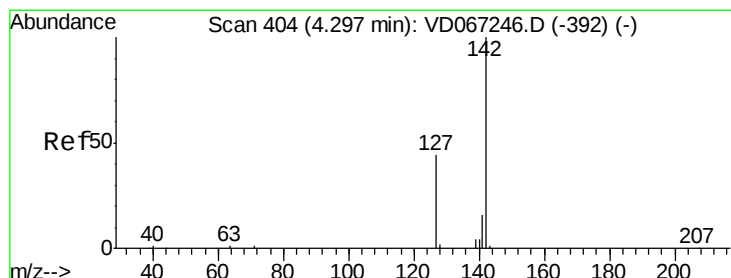
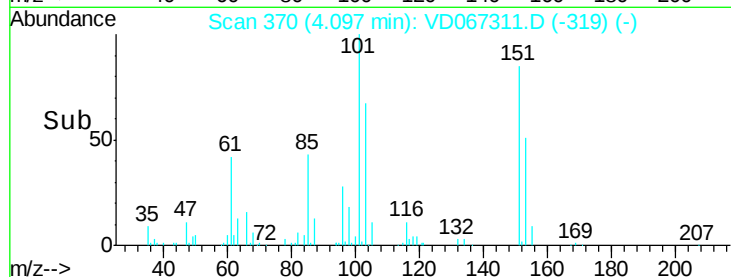
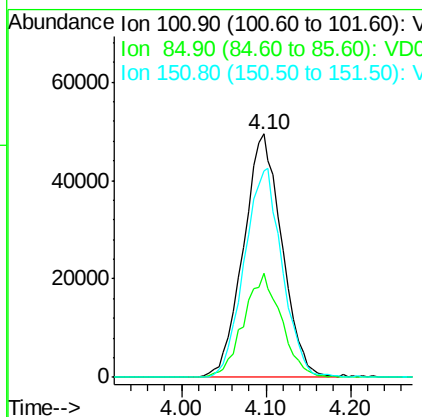
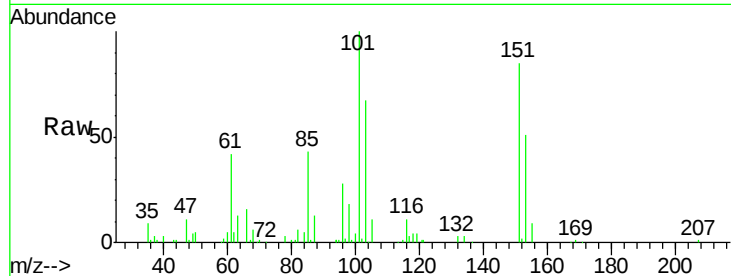
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	156932
Ion Ratio	Lower	Upper	
101	100		
85	41.6	34.2	51.4
151	84.3	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 54.697 ug/l

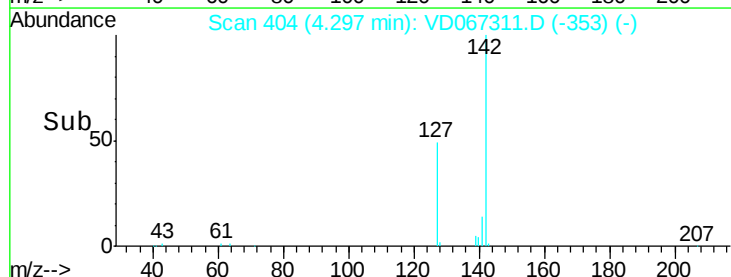
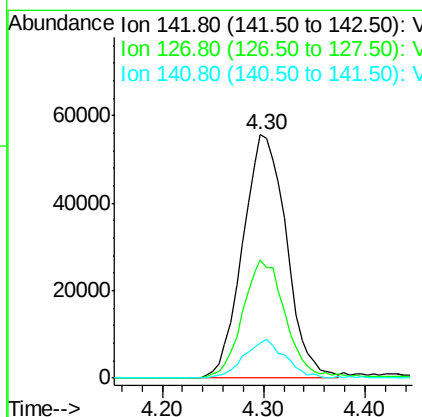
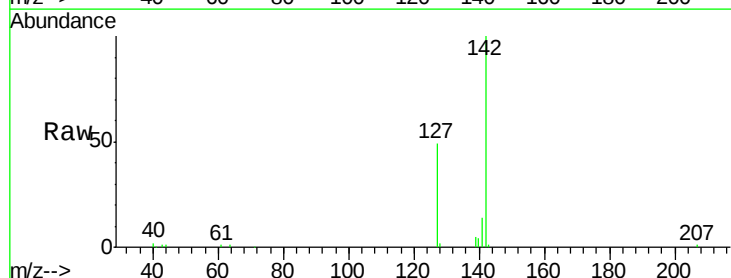
RT: 4.30 min Scan# 404

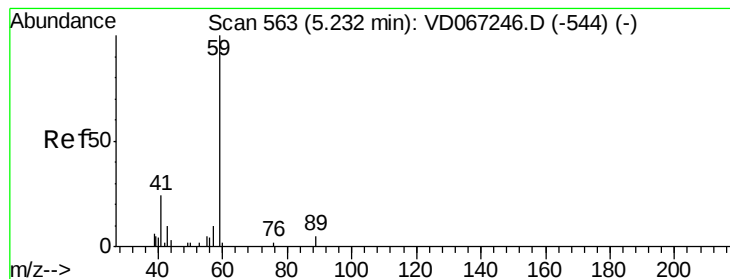
Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	142	Resp:	166426
Ion Ratio	Lower	Upper	
142	100		
127	48.0	38.4	57.6
141	15.1	11.6	17.4





#11

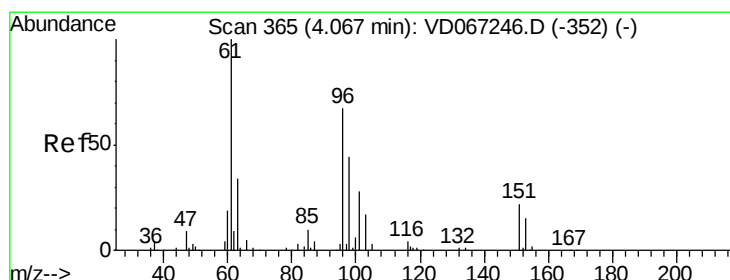
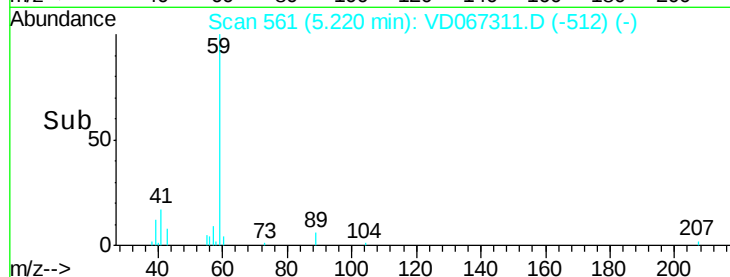
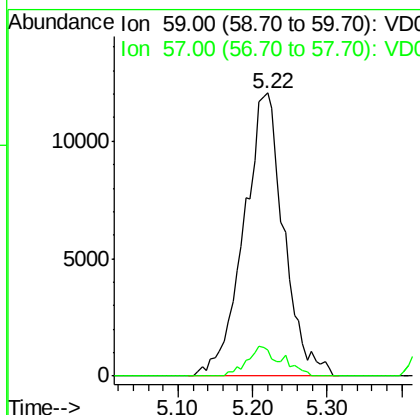
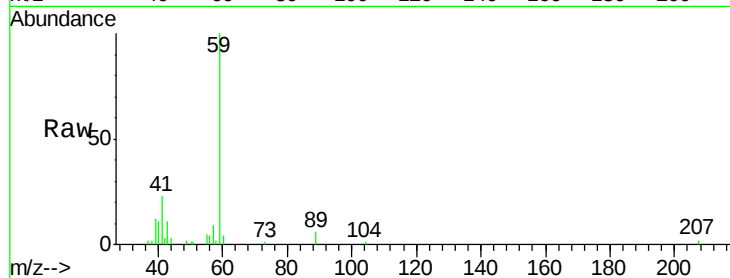
Tert butyl alcohol
 Concen: 239.343 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. -0.01 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 59 Resp: 44873
 Ion Ratio Lower Upper
 59 100
 57 6.6 5.1 7.7

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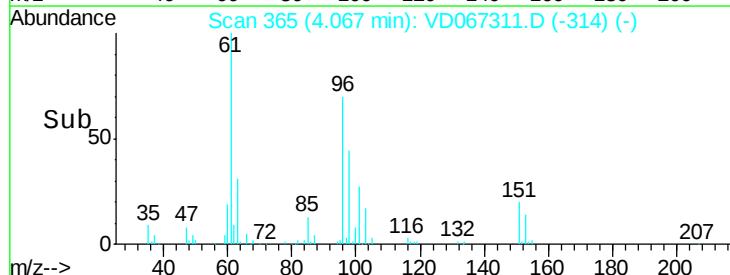
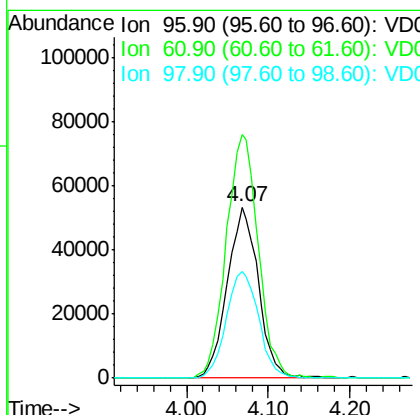
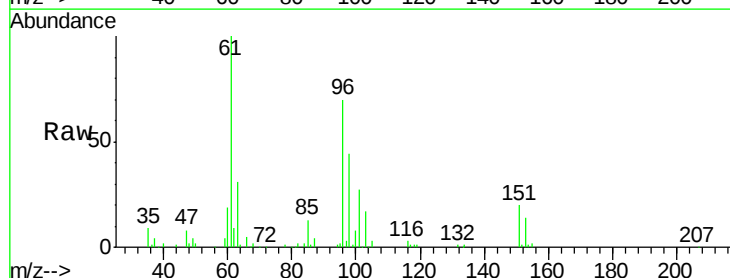
MMDadoda
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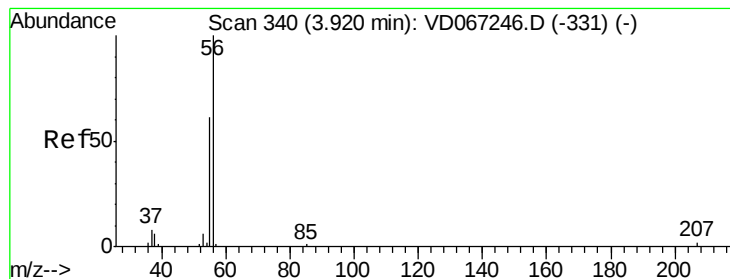


#12

1,1-Dichloroethene
 Concen: 47.836 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion: 96 Resp: 140960
 Ion Ratio Lower Upper
 96 100
 61 142.6 118.6 177.8
 98 62.3 51.8 77.6





#13

Acrolein

Concen: 234.644 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 49852

Ion Ratio Lower Upper

56 100

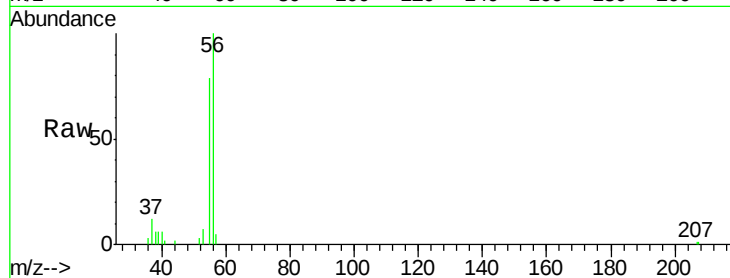
55 73.2 56.0 84.0

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

3.93

20000

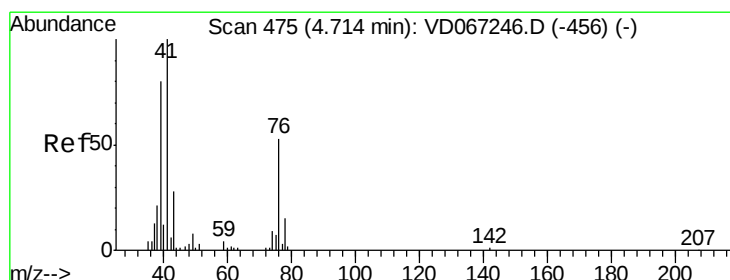
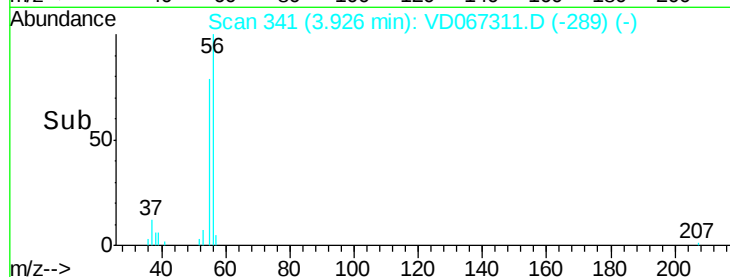
15000

10000

5000

0

Time--> 3.80 3.90 4.00



#14

Allyl chloride

Concen: 51.297 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

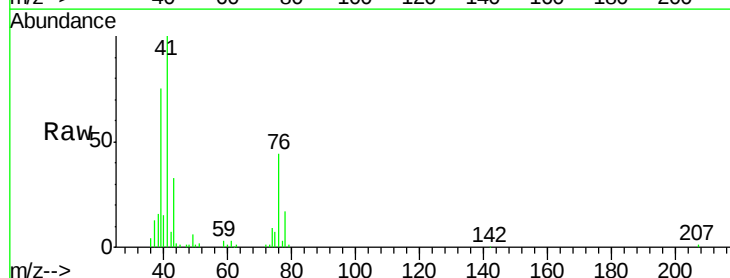
Tgt Ion: 41 Resp: 173106

Ion Ratio Lower Upper

41 100

39 77.3 63.8 95.6

76 47.6 40.4 60.6



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

4.71

80000

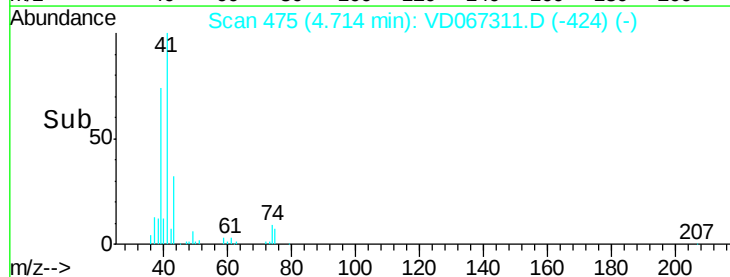
60000

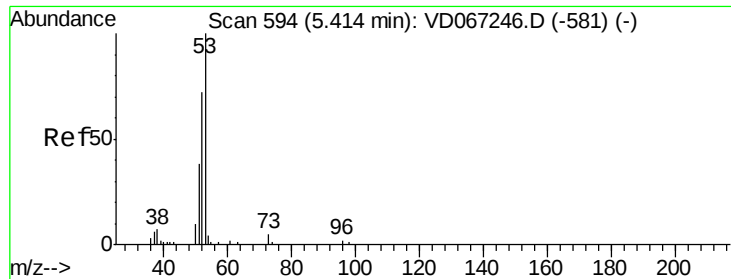
40000

20000

0

Time--> 4.50 4.60 4.70 4.80





#15

Acrylonitrile

Concen: 259.908 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

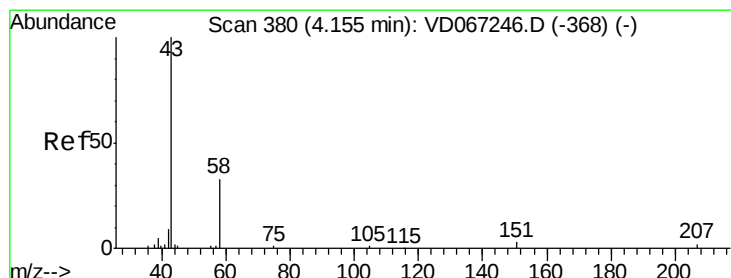
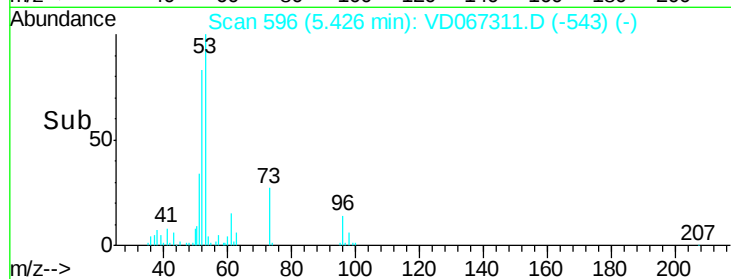
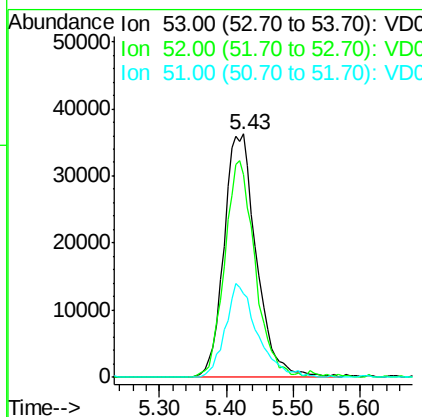
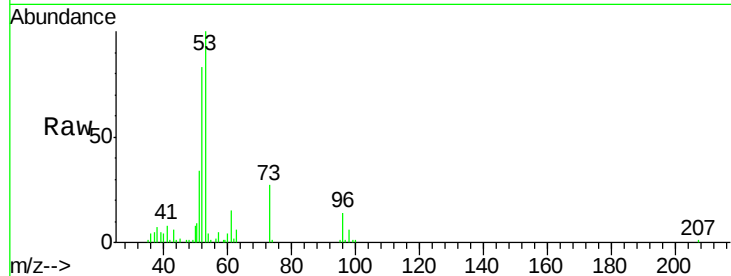
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	123203
Ion Ratio	Lower	Upper	
53	100		
52	83.7	65.6	98.4
51	38.1	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 218.953 ug/l

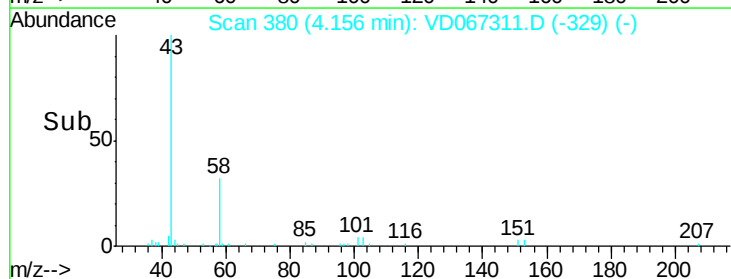
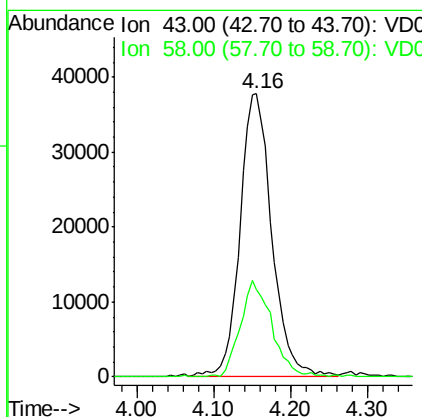
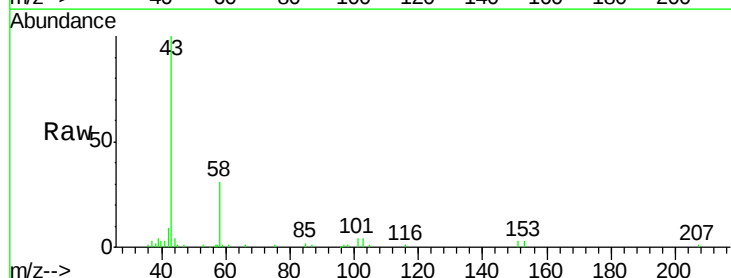
RT: 4.16 min Scan# 380

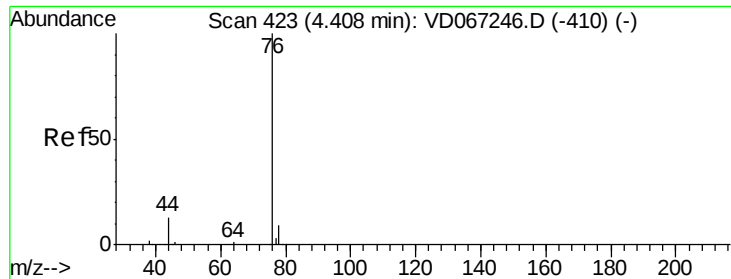
Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	43	Resp:	109688
Ion Ratio	Lower	Upper	
43	100		
58	31.1	26.1	39.1





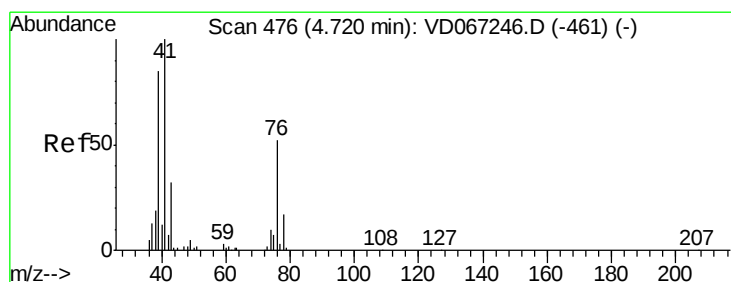
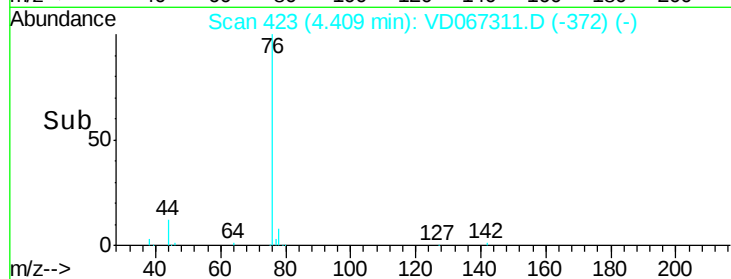
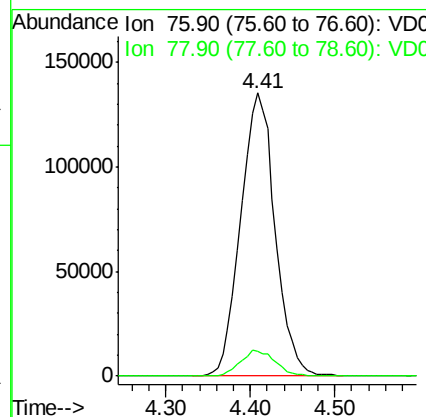
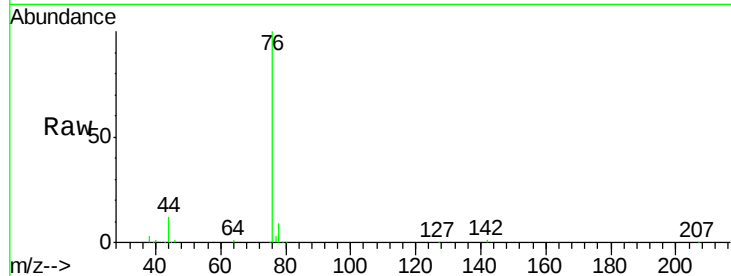
#17
Carbon Disulfide
Concen: 45.566 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.4	11.0

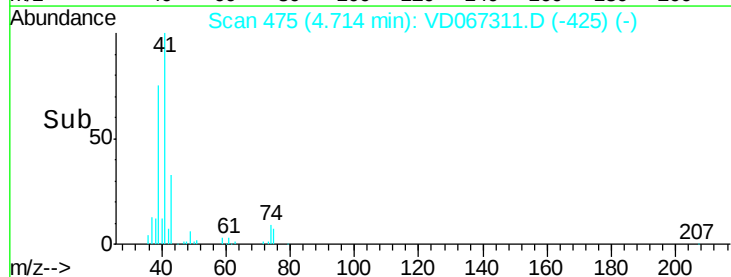
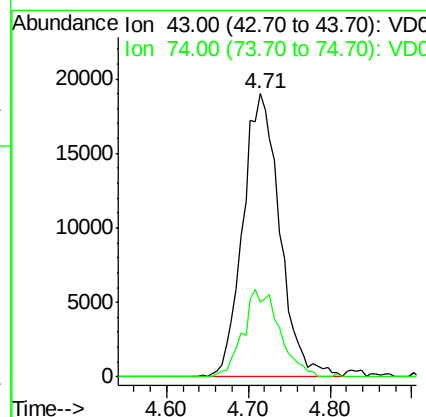
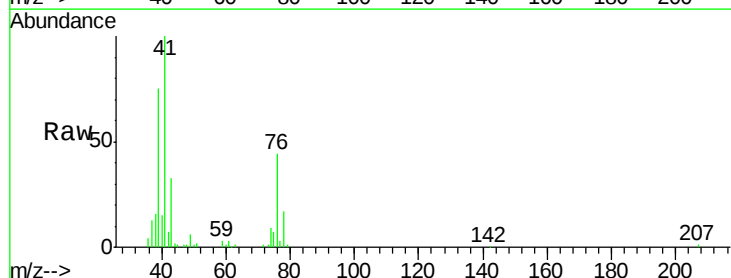
Manual Integrations
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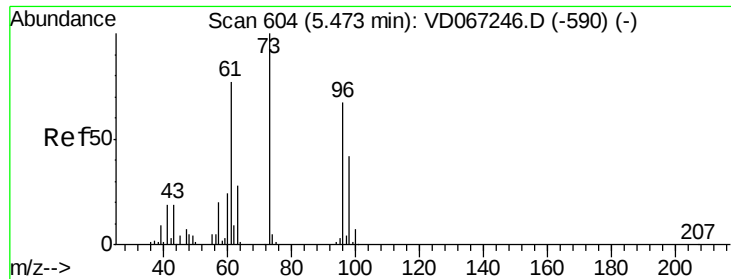
MMDadoda
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#18
Methyl Acetate
Concen: 52.254 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
43	100		
74	30.3	26.6	39.8





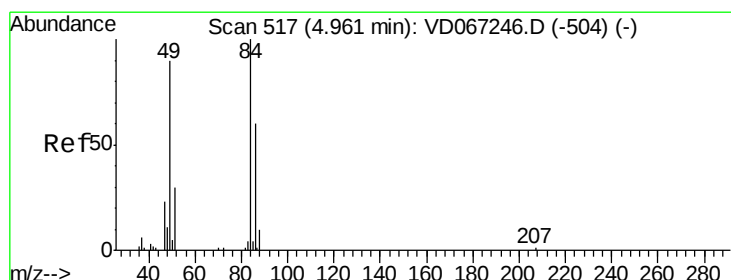
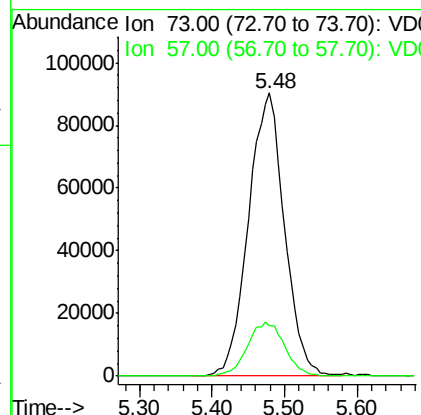
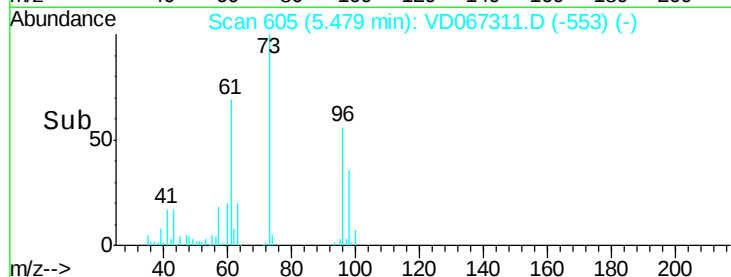
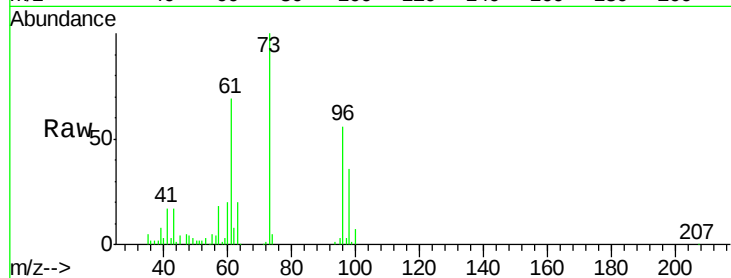
#19
Methyl tert-butyl Ether
Concen: 53.294 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 312271
Ion Ratio Lower Upper
73 100
57 18.0 15.7 23.5

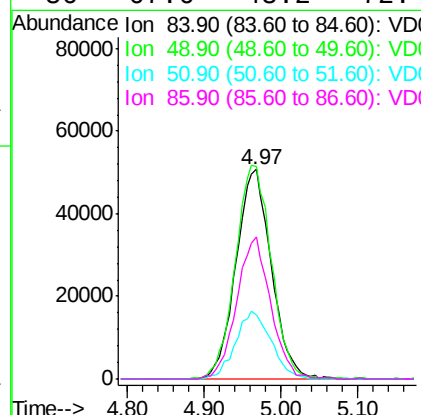
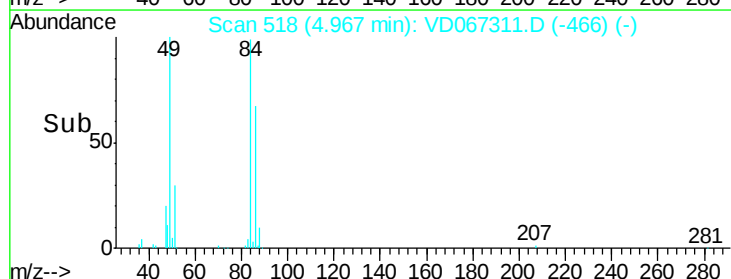
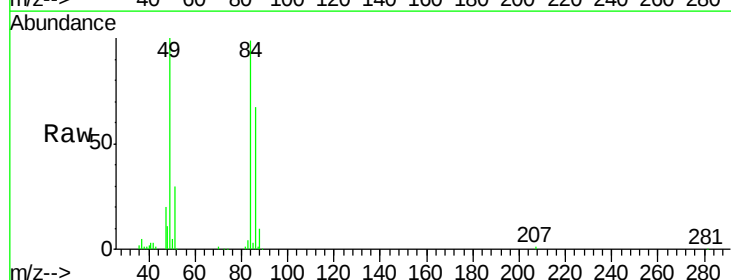
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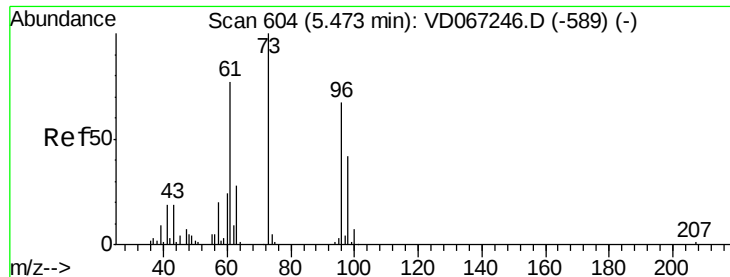
MMDadoda
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#20
Methylene Chloride
Concen: 50.850 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 84 Resp: 162929
Ion Ratio Lower Upper
84 100
49 100.9 72.2 108.2
51 30.5 23.8 35.8
86 67.6 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 49.602 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

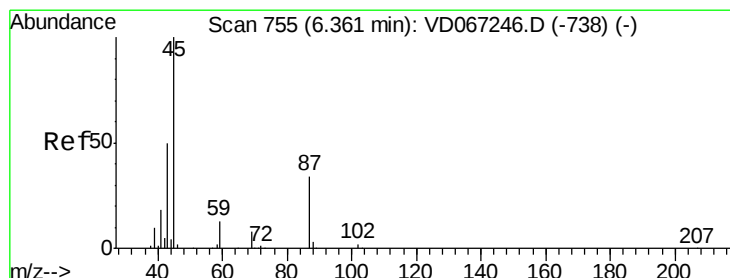
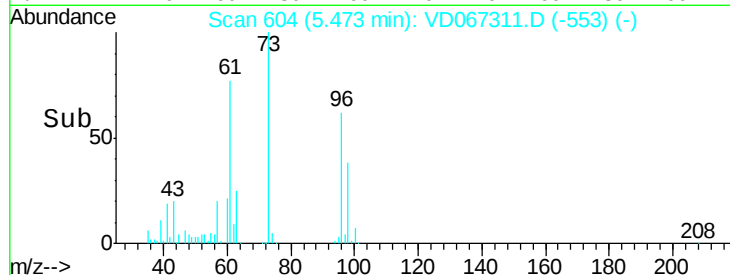
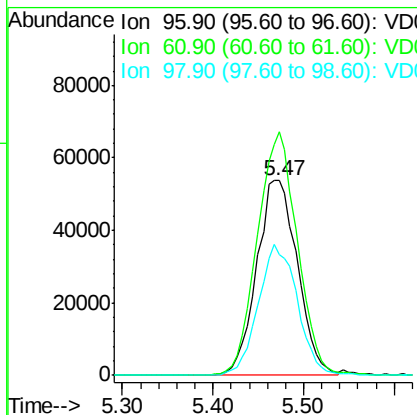
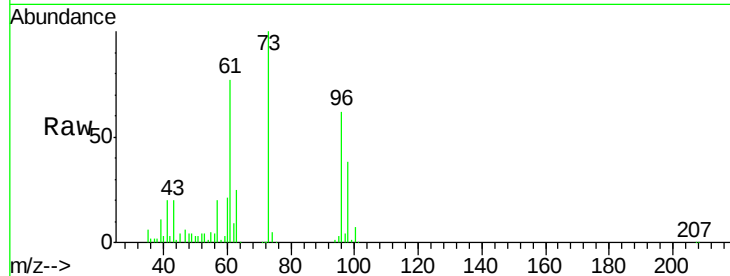
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	168205
Ion	Ratio	Lower	Upper
96	100		
61	125.1	92.0	138.0
98	62.2	49.8	74.8

Manual Integrations
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#22

Diisopropyl ether

Concen: 54.612 ug/l

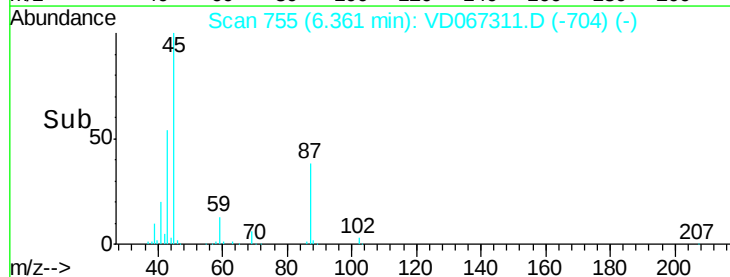
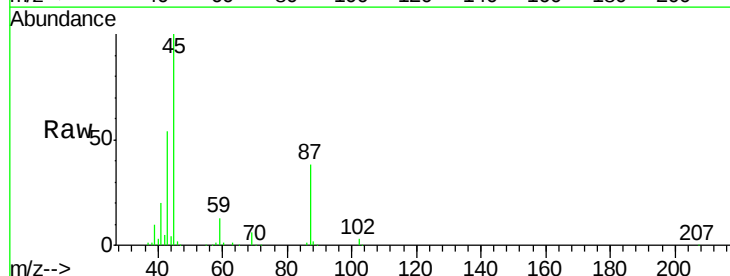
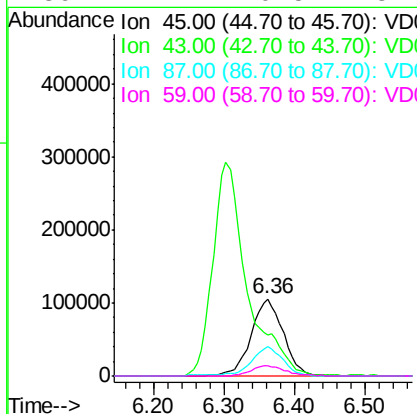
RT: 6.36 min Scan# 755

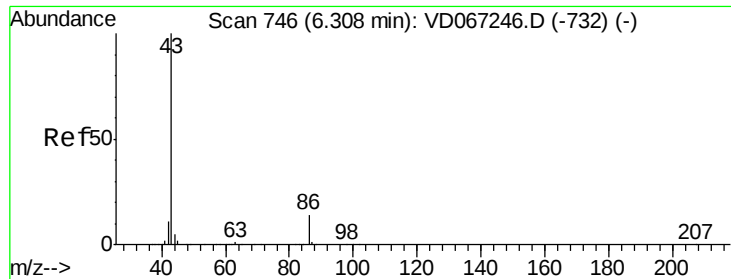
Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	45	Resp:	336657
Ion	Ratio	Lower	Upper
45	100		
43	52.1	48.0	72.0
87	37.8	28.5	42.7
59	12.7	10.5	15.7





#23

Vinyl Acetate

Concen: 282.180 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 989647

Ion Ratio Lower Upper

43 100

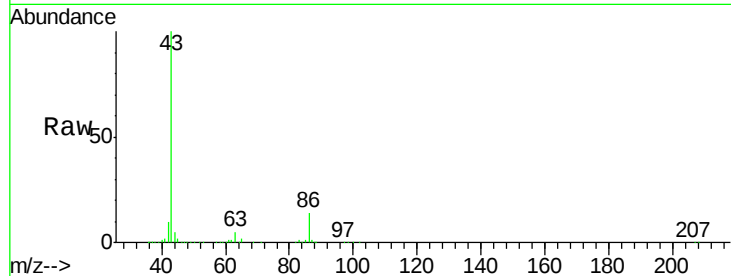
86 14.3 11.0 16.6

Manual Integrations

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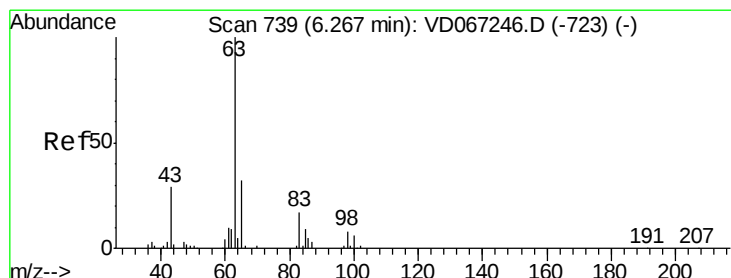
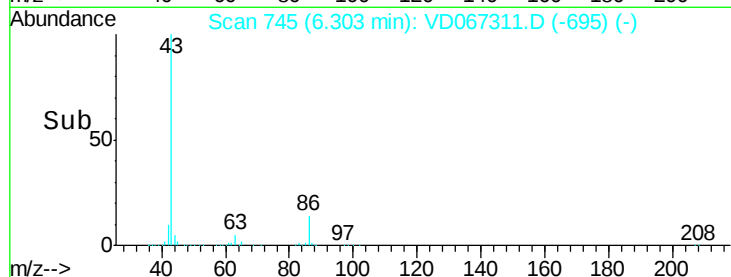
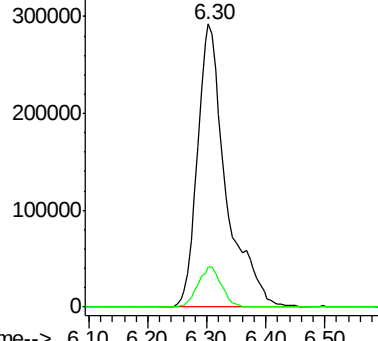
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 51.572 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

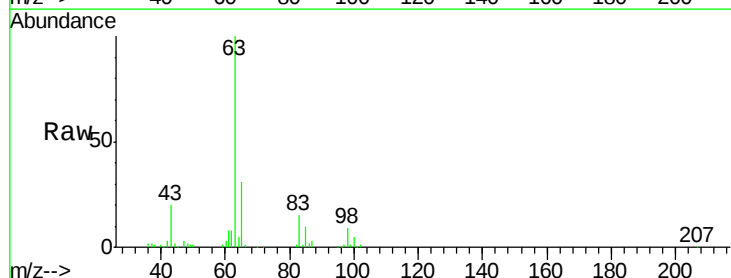
Tgt Ion: 63 Resp: 272141

Ion Ratio Lower Upper

63 100

98 8.9 4.0 12.2

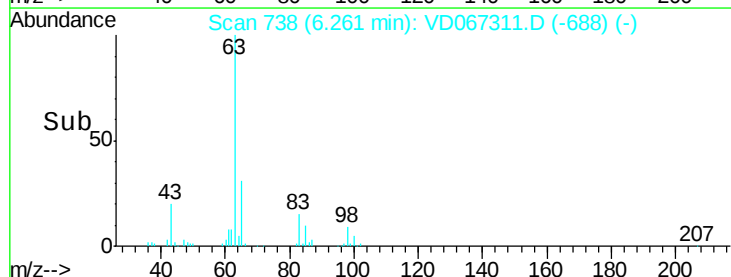
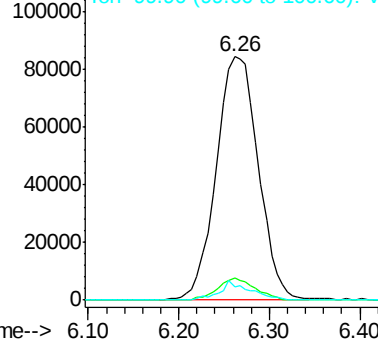
100 5.3 2.8 8.4

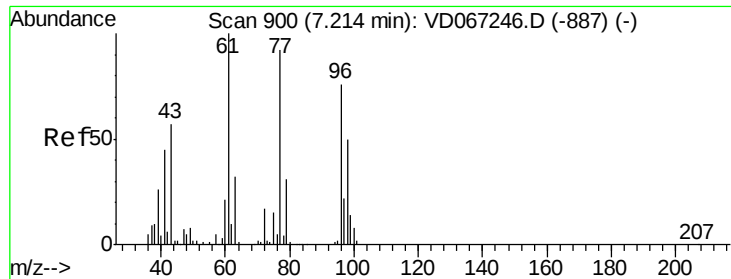


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





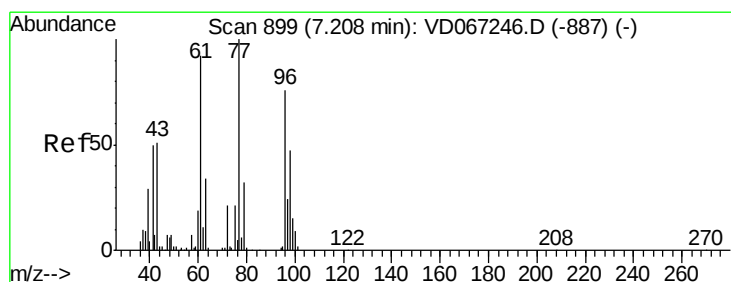
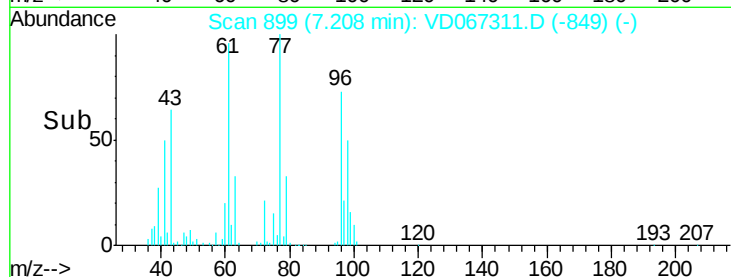
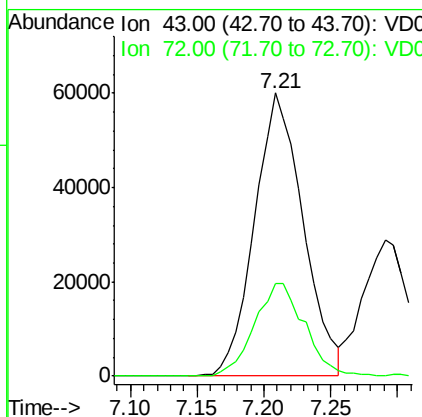
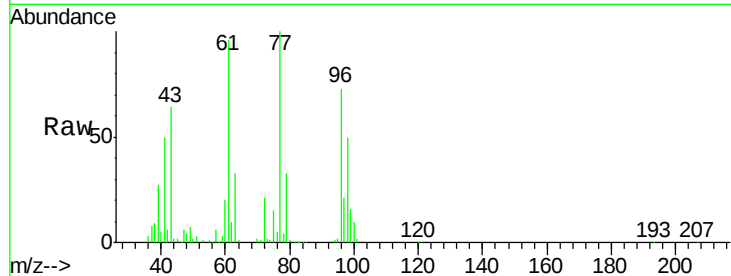
#25
2-Butanone
Concen: 266.552 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 152215
Ion Ratio Lower Upper
43 100
72 32.8 23.7 35.5

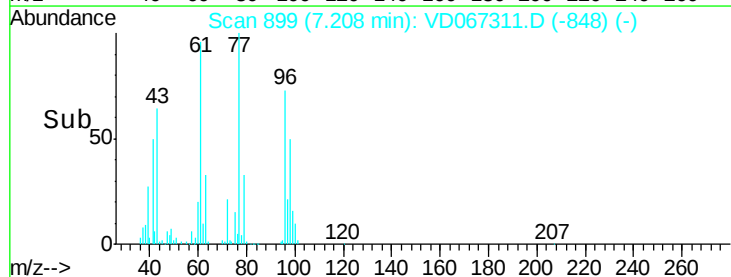
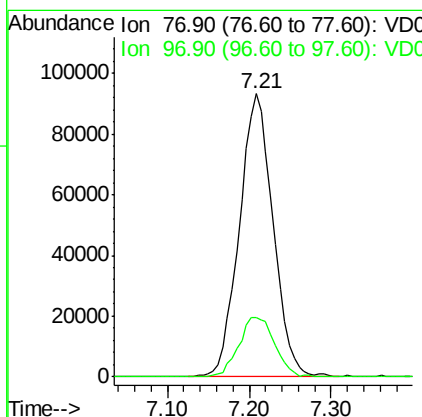
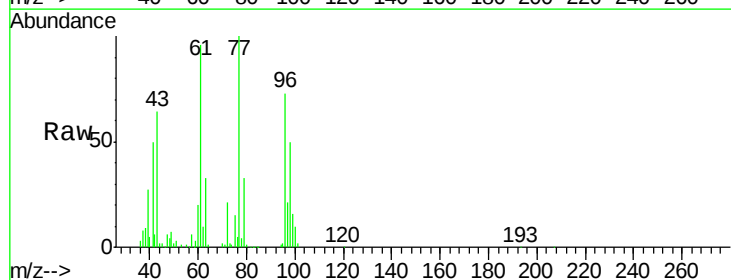
Manual Integrations
APPROVED

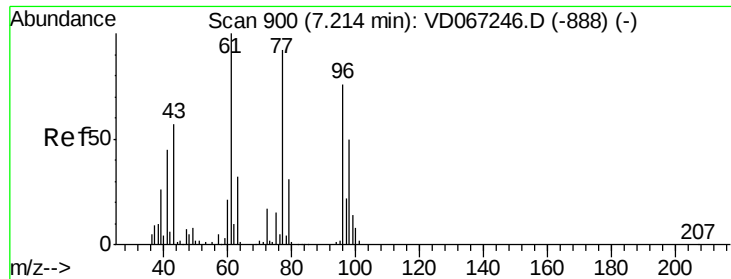
MMDadoda
10/20/2020 4:51:09 PM



#26
2,2-Dichloropropane
Concen: 49.171 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 77 Resp: 267444
Ion Ratio Lower Upper
77 100
97 22.3 11.4 34.2





#27

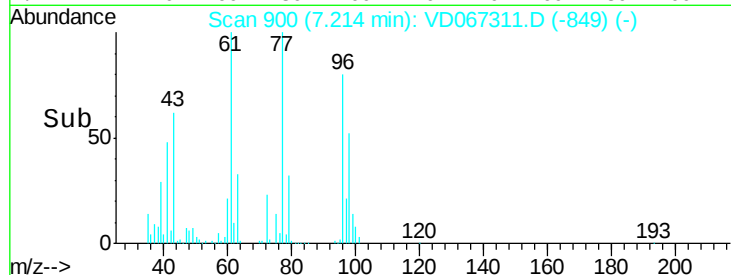
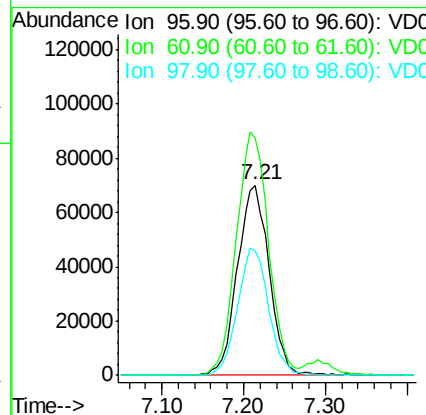
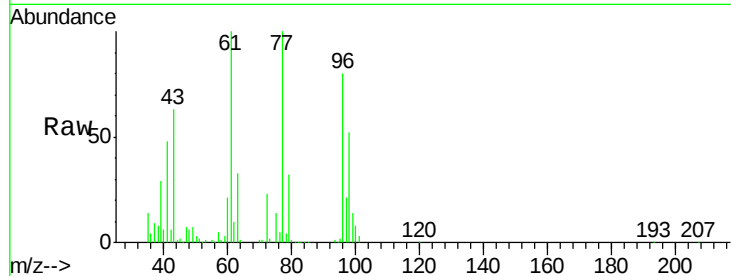
cis-1,2-Dichloroethene
Concen: 50.878 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	189088		
61	129.8	0.0	255.4	
98	65.3	0.0	128.0	

Manual Integrations
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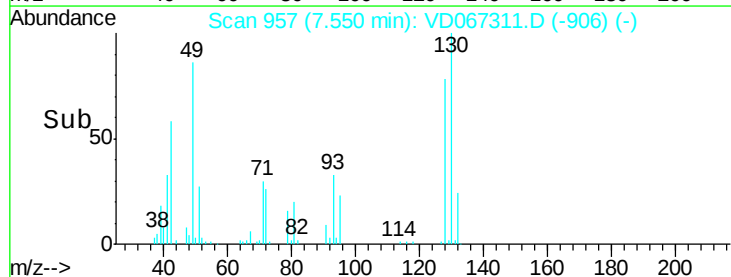
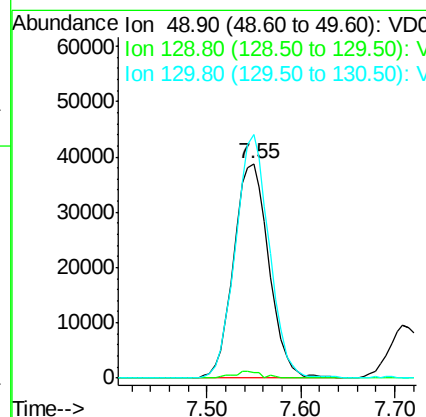
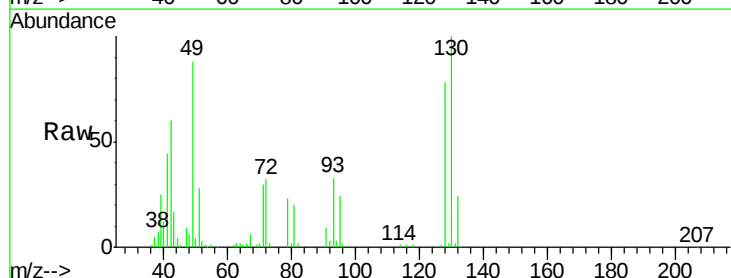
MMDadoda
10/20/2020 4:51:09 PM

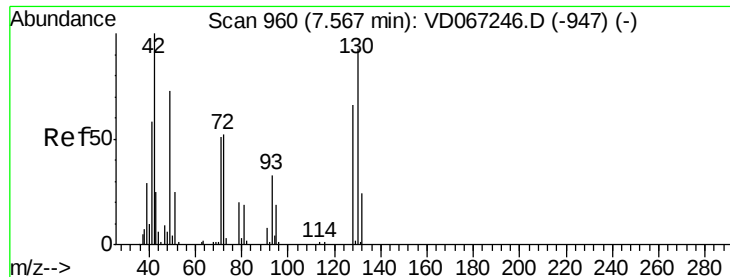


#28

Bromochloromethane
Concen: 55.837 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	100500		
129	2.5	0.0	1.6#	
130	109.2	91.0	136.6	





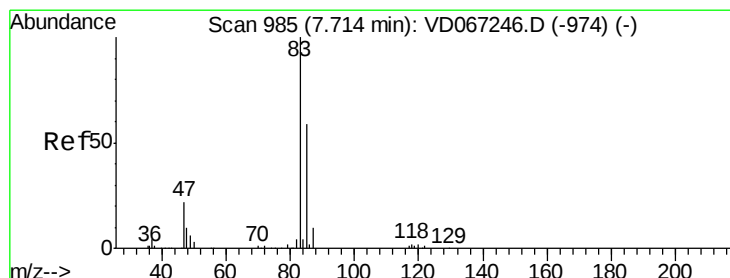
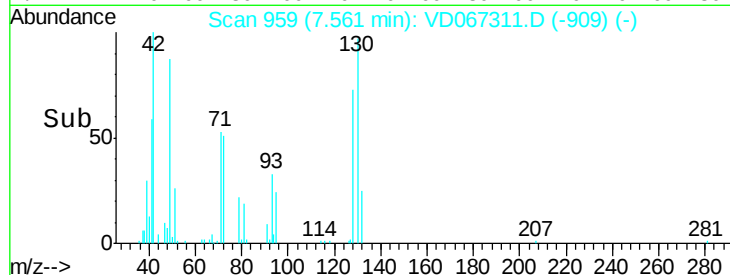
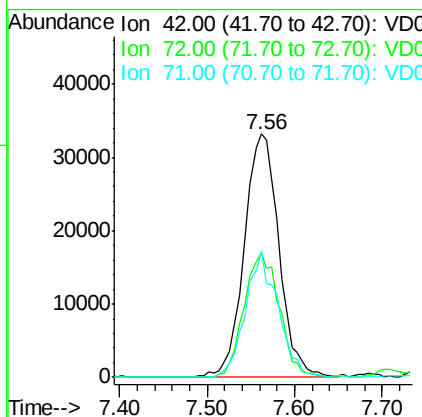
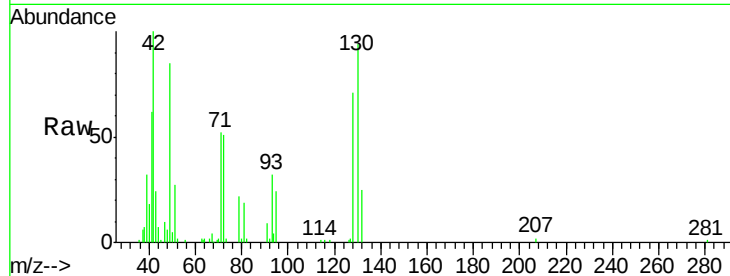
#29
Tetrahydrofuran
Concen: 281.638 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	51.8	43.2	64.8
71	48.3	39.4	59.0

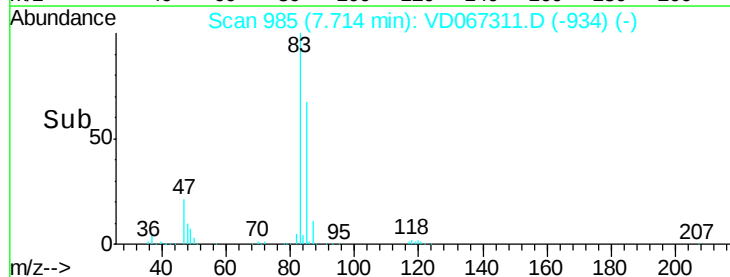
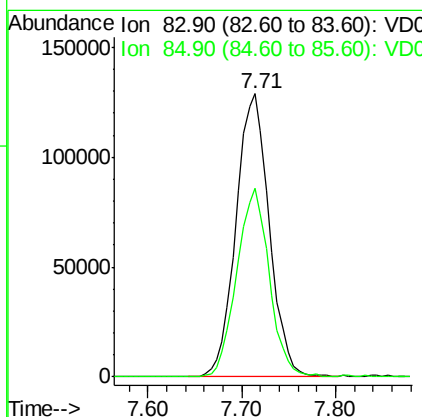
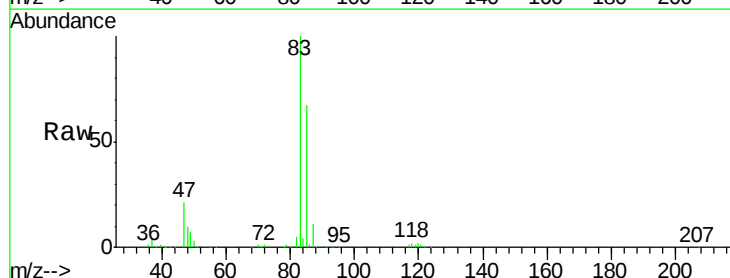
Manual Integrations
APPROVED

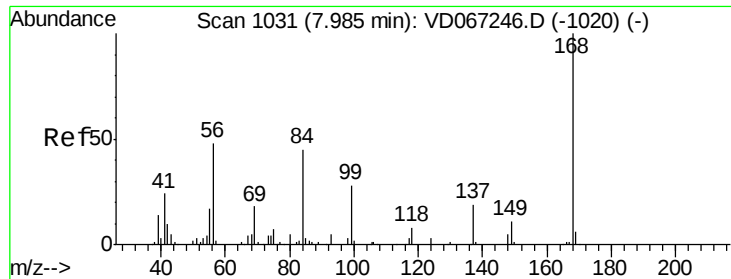
MMDadoda
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#30
Chloroform
Concen: 50.180 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.6	47.3	70.9





#31

Cvclohexane

Concen: 47.244 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 194646
Ion Ratio Lower Upper

56 100

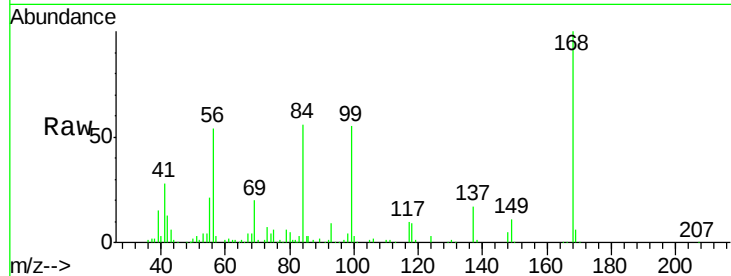
69 35.9 29.8 44.6

84 100.8 76.6 114.8

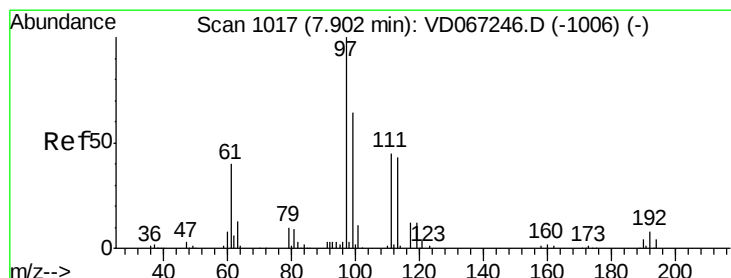
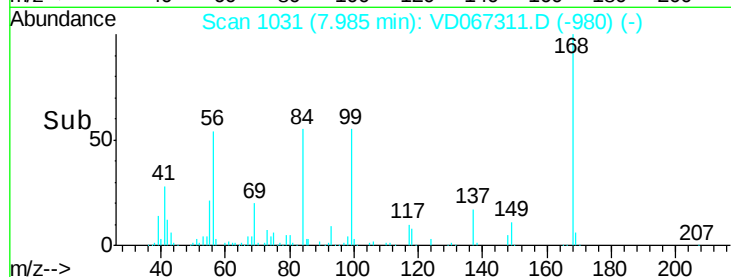
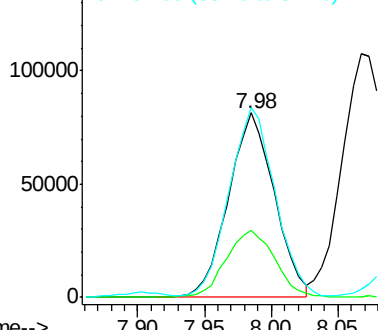
Manual Integrations
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Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 49.316 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.01 min

Lab File: VD067311.D

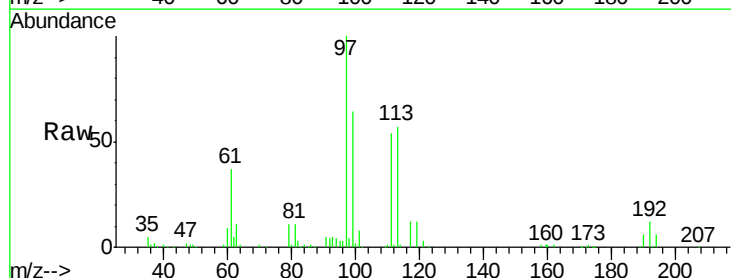
Acq: 19 Oct 2020 16:45

Tgt Ion: 97 Resp: 305024
Ion Ratio Lower Upper

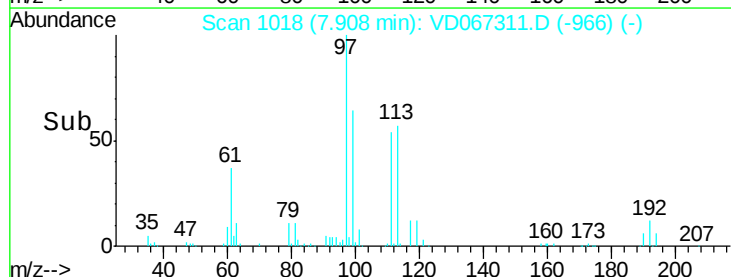
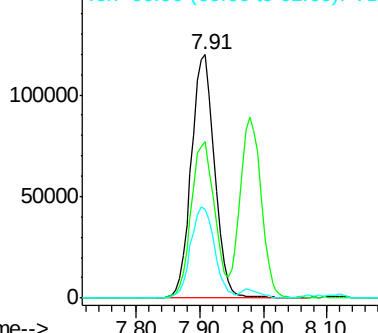
97 100

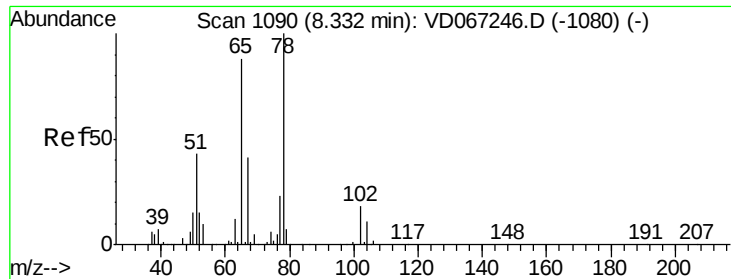
99 64.7 50.2 75.4

61 38.5 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





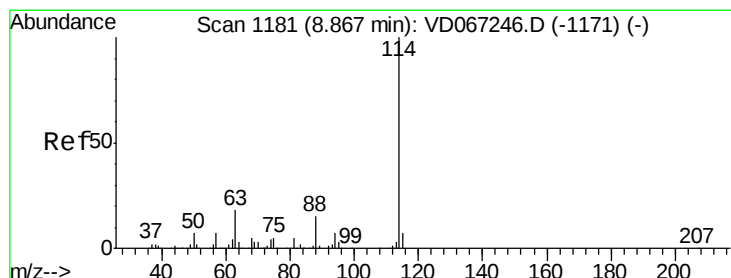
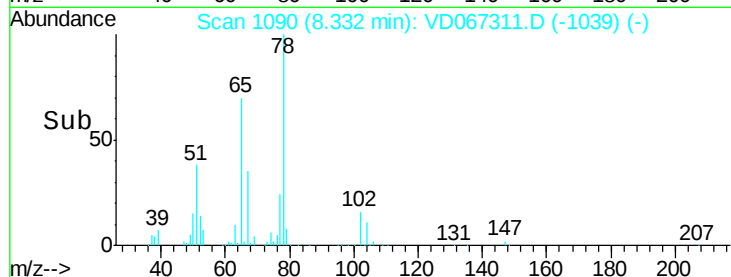
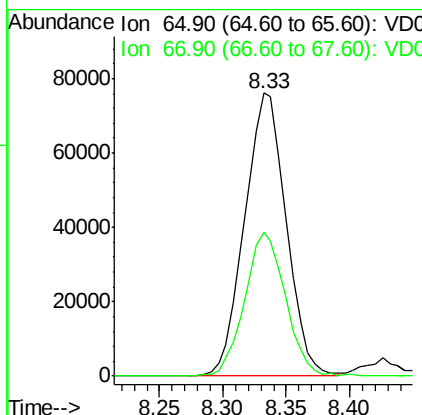
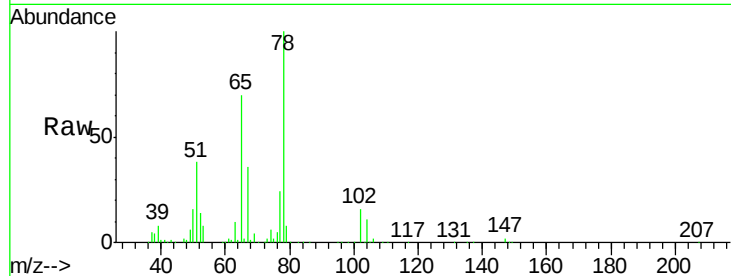
#33
 1,2-Dichloroethane-d4
 Concen: 48.565 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	49.7	0.0	103.8

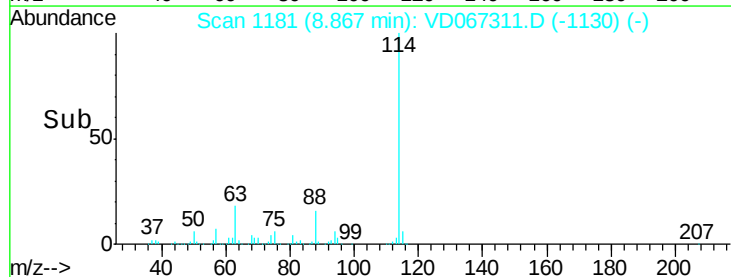
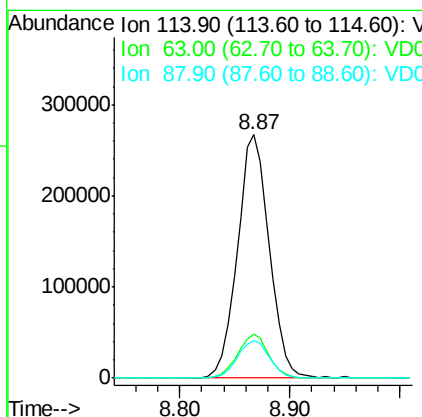
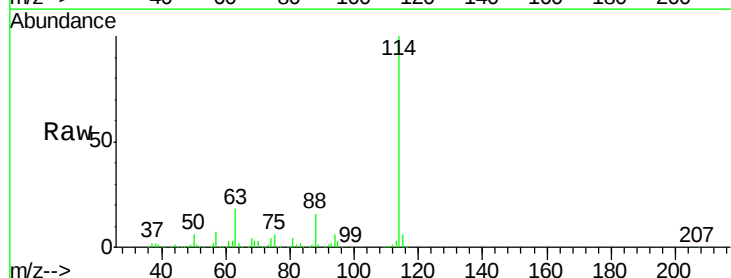
Manual Integrations
 APPROVED

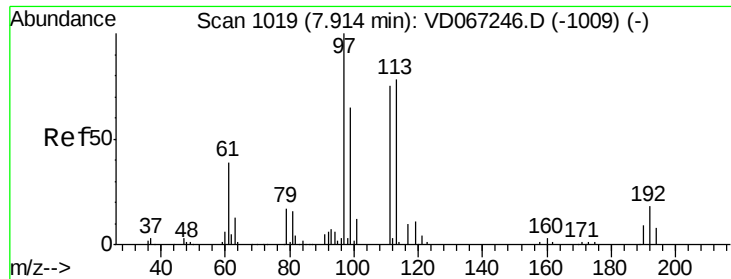
MMDadoda
 10/20/2020 4:51:09 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.0
88	15.6	0.0	30.6





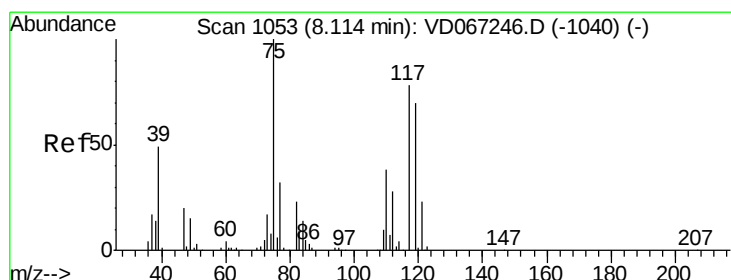
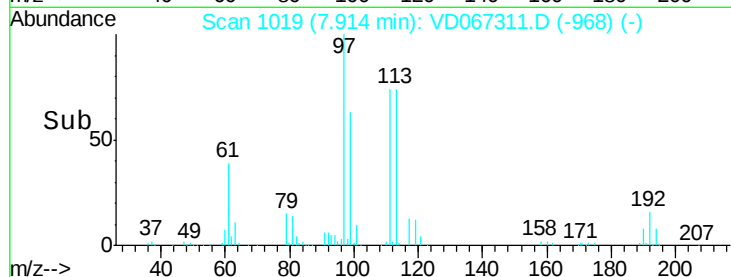
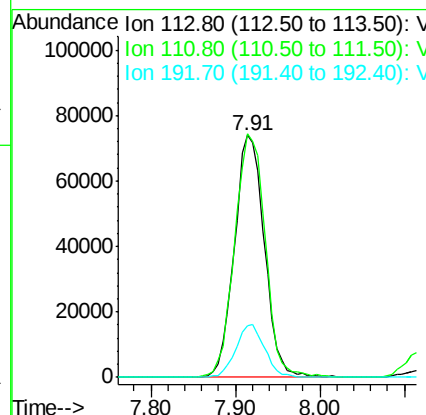
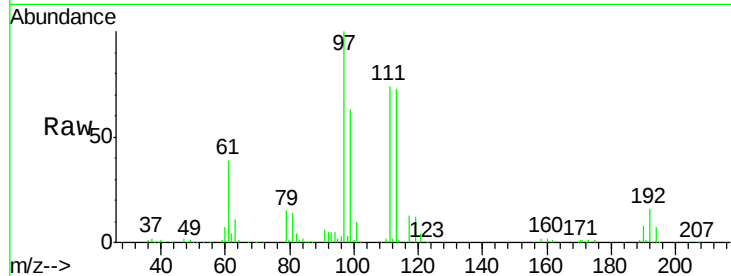
#35
Dibromofluoromethane
Concen: 50.343 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	180909		
111	103.0	81.6	122.4	
192	20.8	17.0	25.4	

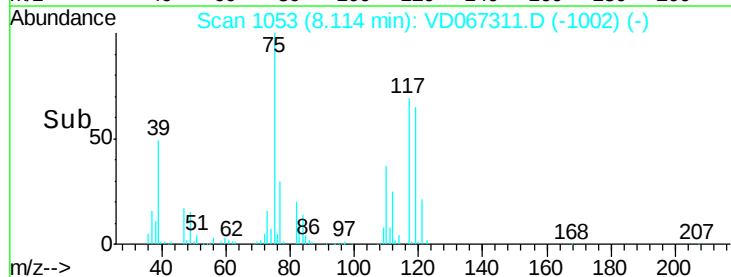
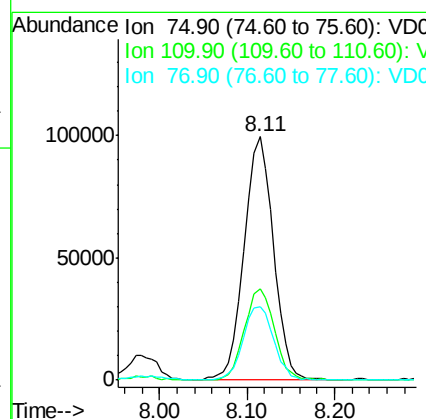
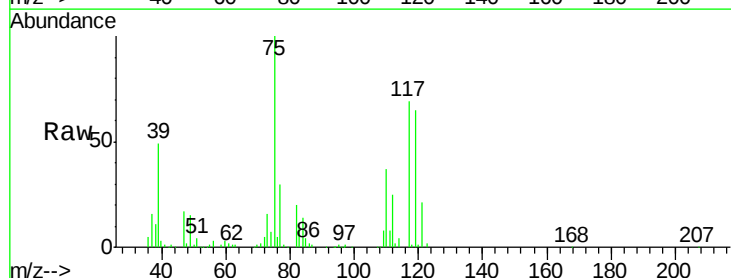
Manual Integrations
APPROVED

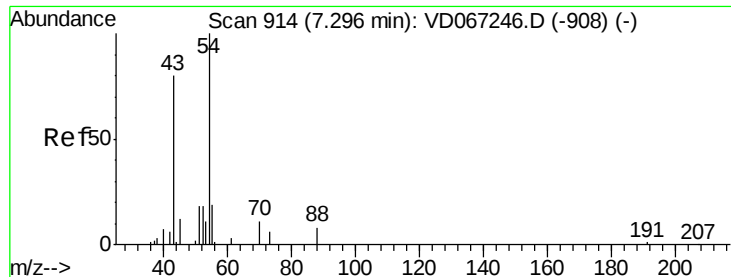
MMDadoda
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#36
1,1-Dichloropropene
Concen: 49.506 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	226570		
110	38.3	19.6	58.7	
77	31.6	24.6	37.0	





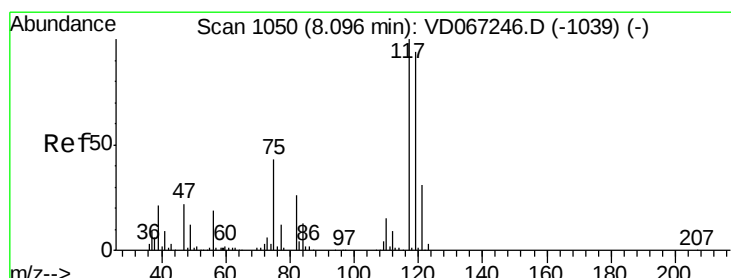
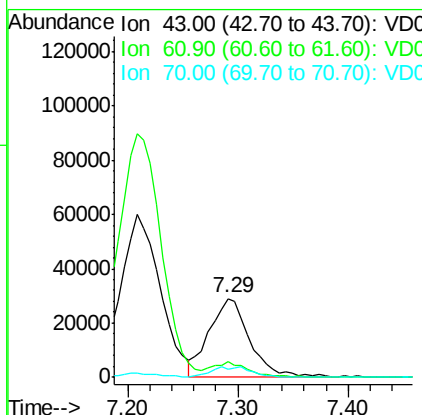
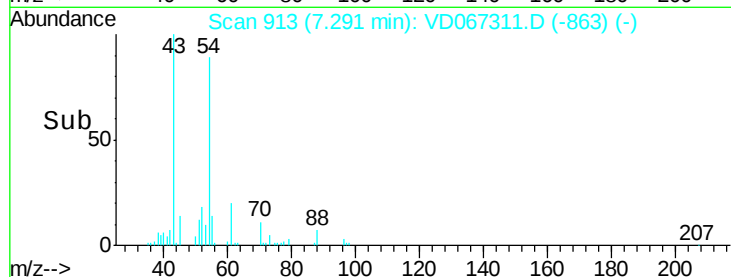
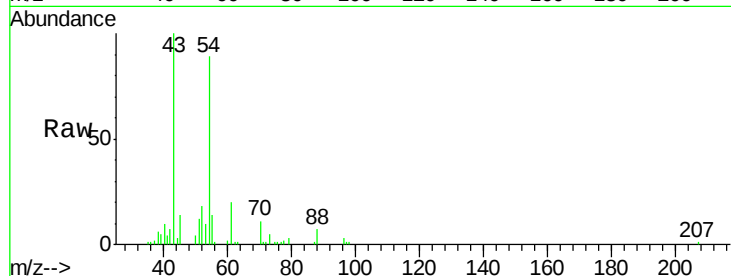
#37
Ethyl Acetate
Concen: 53.678 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.9	15.6	23.4
70	13.6	10.4	15.6

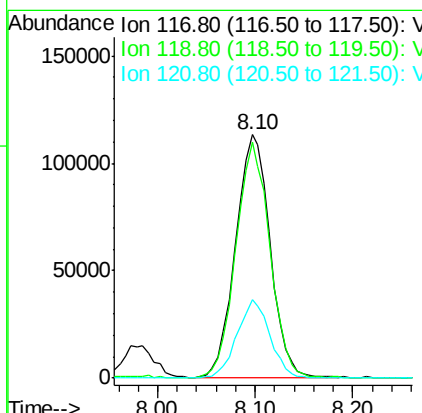
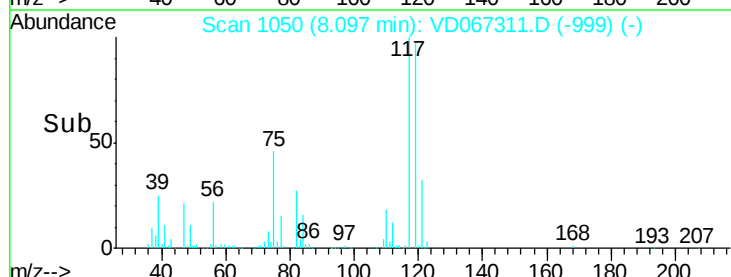
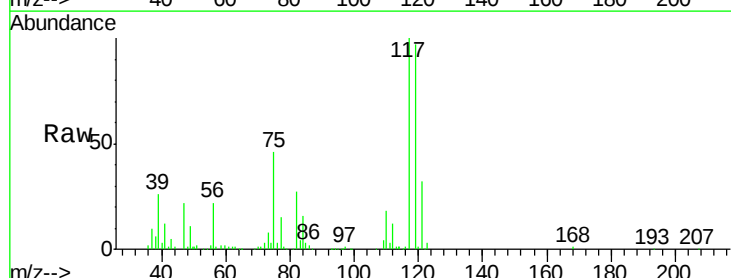
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 47.701 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.2	75.0	112.4
121	32.2	24.9	37.3





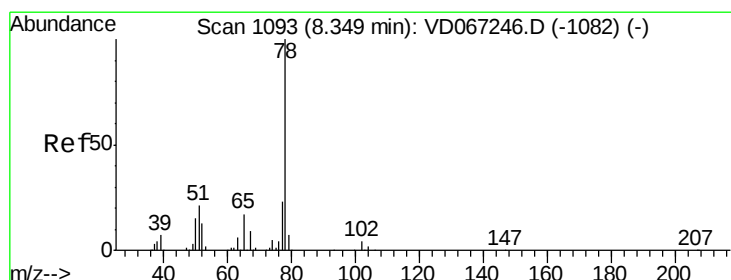
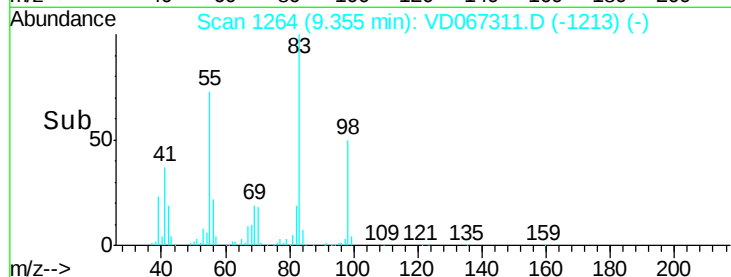
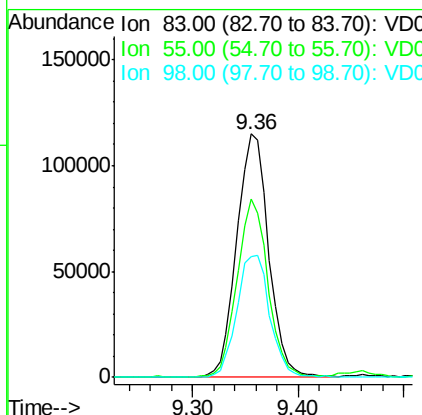
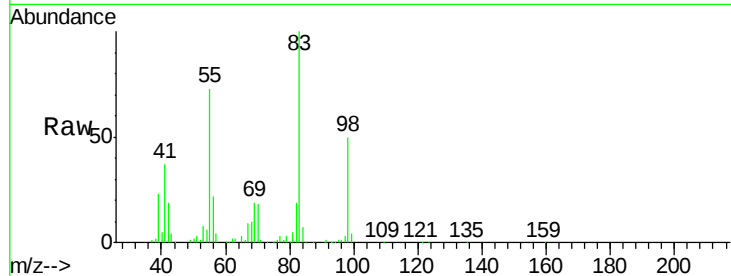
#39
Methvlcvclohexane
Concen: 50.515 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.0	53.3	79.9
98	49.5	41.0	61.4

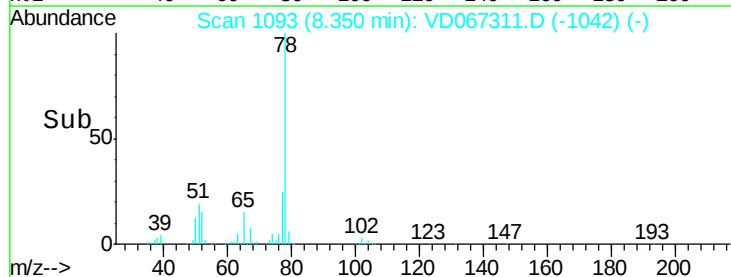
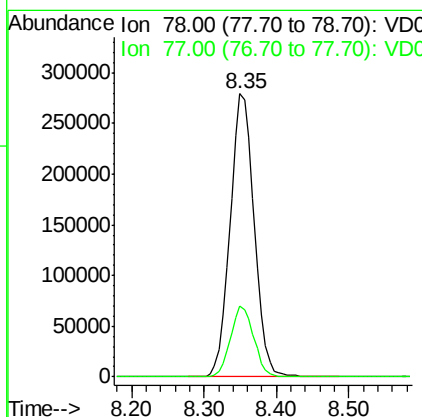
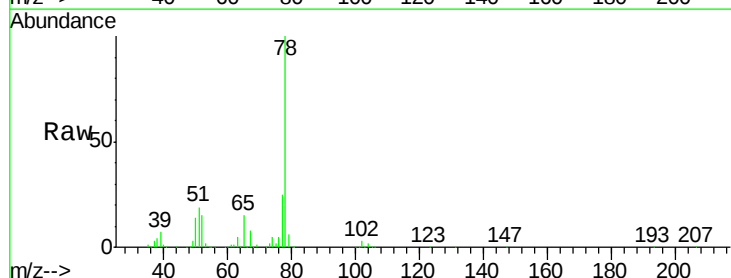
Manual Integrations
APPROVED

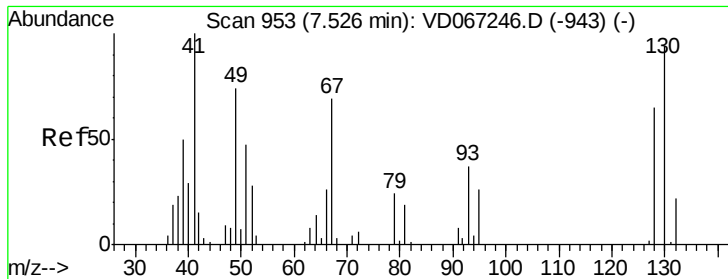
MMDadoda
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#40
Benzene
Concen: 51.324 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	18.3	27.5





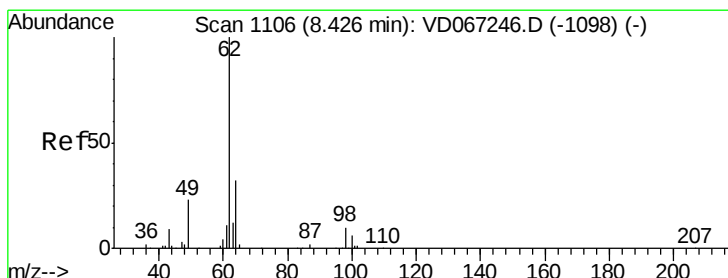
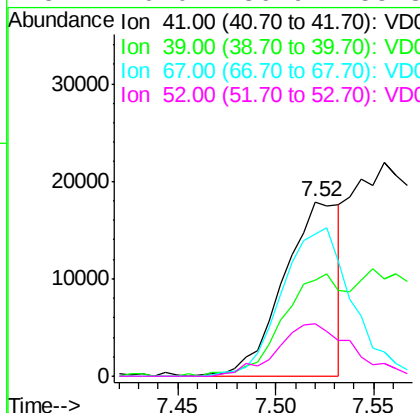
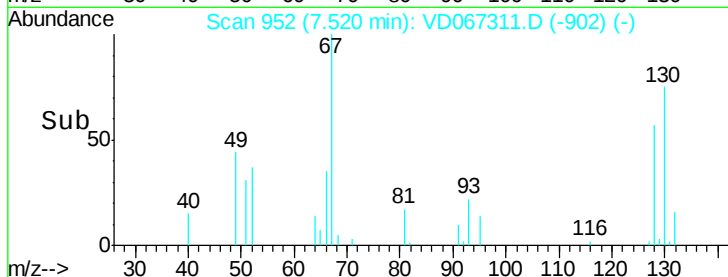
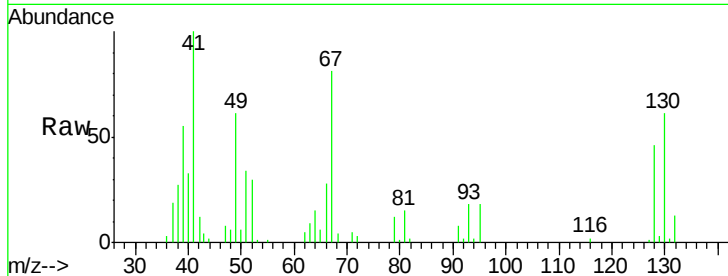
#41
Methacrylonitrile
Concen: 49.186 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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

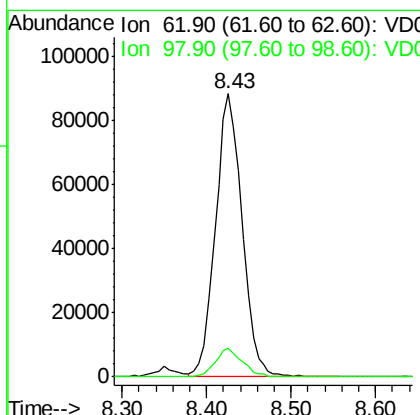
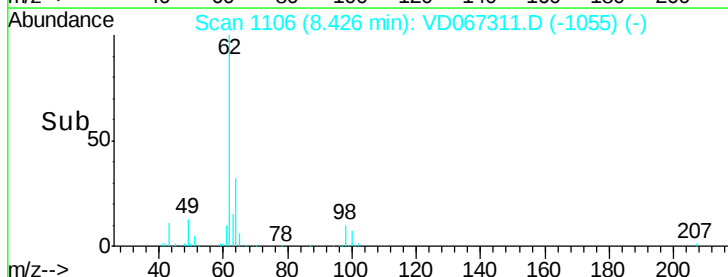
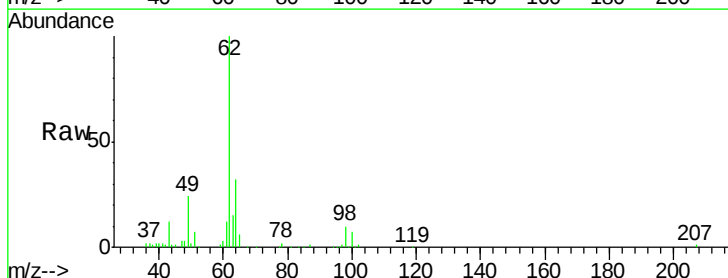
Manual Integrations
APPROVED

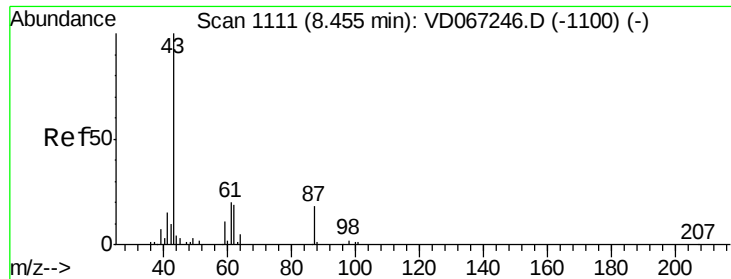
MMDadoda
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#42
1,2-Dichloroethane
Concen: 49.454 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 52.740 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

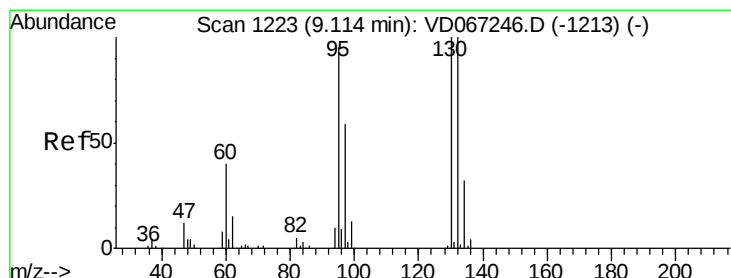
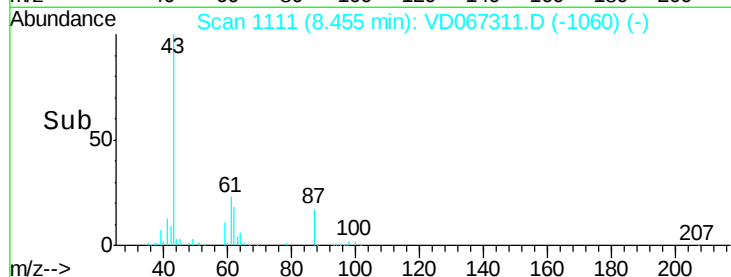
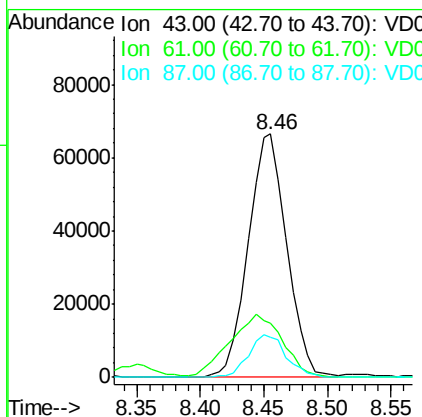
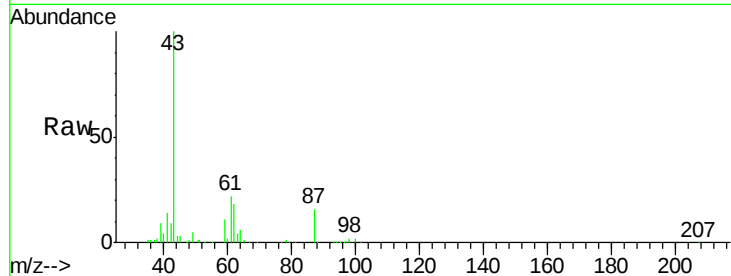
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	140913
Ion	Ratio	Lower	Upper
43	100		
61	35.4	29.5	44.3
87	17.4	14.2	21.4

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#44

Trichloroethene

Concen: 50.182 ug/l

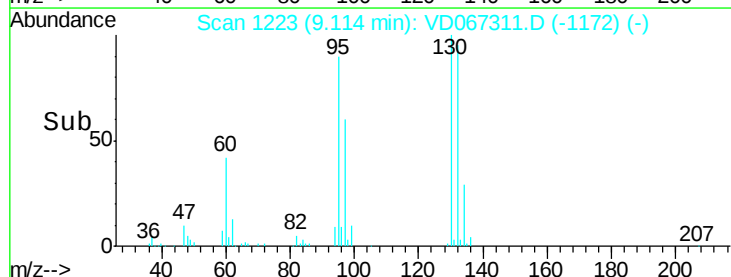
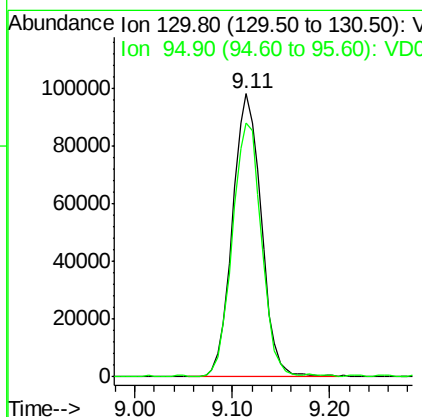
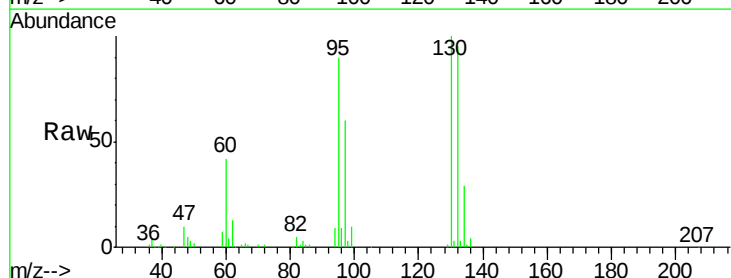
RT: 9.11 min Scan# 1223

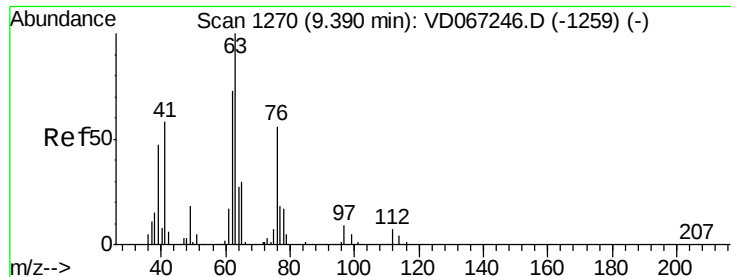
Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	130	Resp:	201728
Ion	Ratio	Lower	Upper
130	100		
95	89.4	0.0	190.6





#45

1,2-Dichloropropane

Concen: 50.779 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 147759

Ion Ratio Lower Upper

63 100

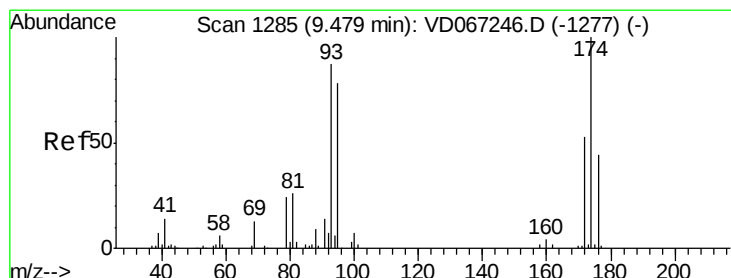
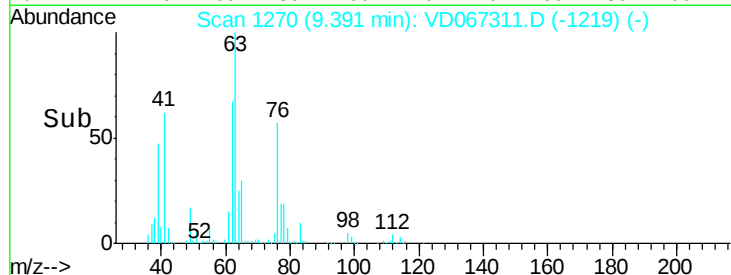
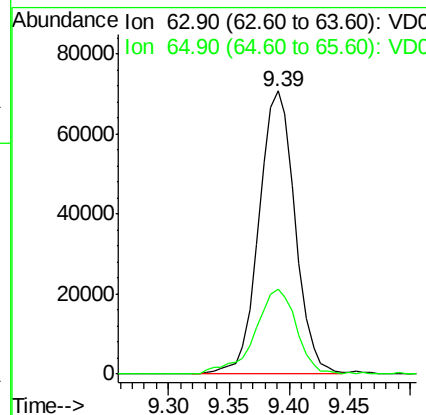
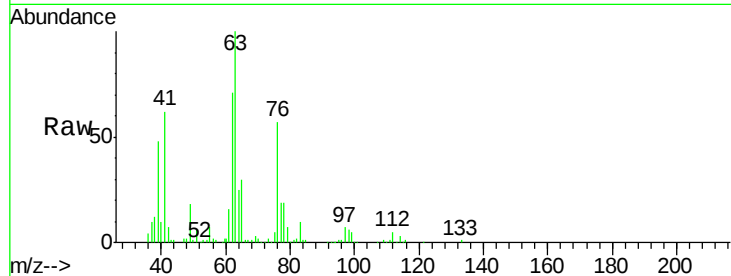
65 29.8 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 51.795 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

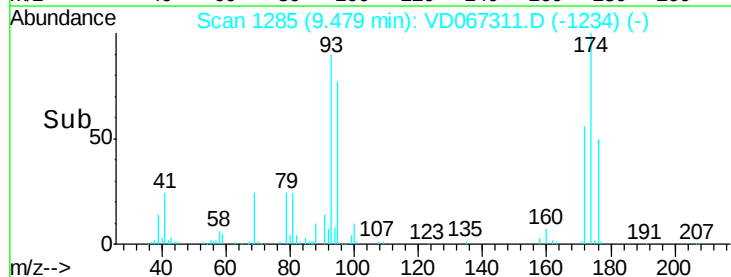
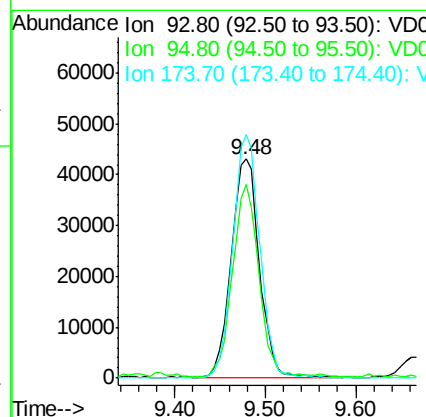
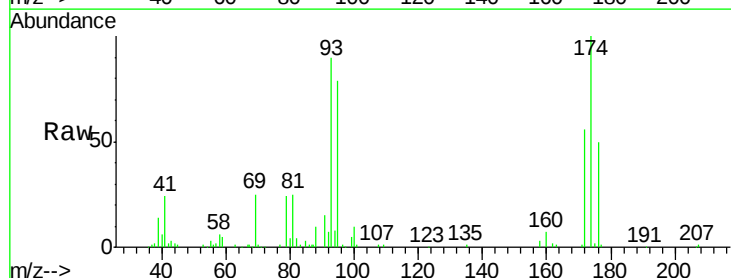
Tgt Ion: 93 Resp: 93903

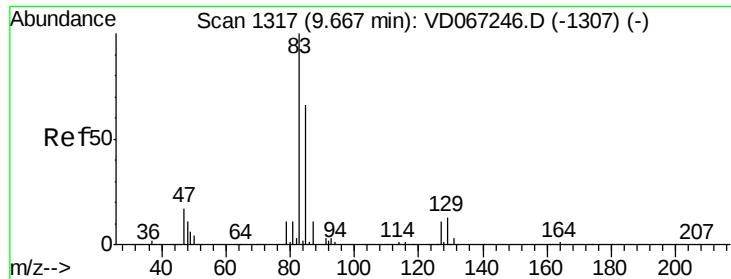
Ion Ratio Lower Upper

93 100

95 80.5 68.0 102.0

174 106.2 91.8 137.6





#47

Bromodichloromethane

Concen: 51.296 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

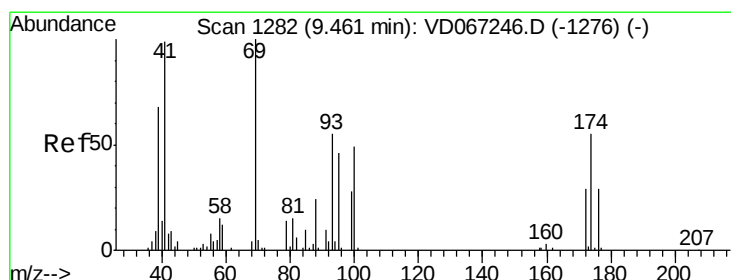
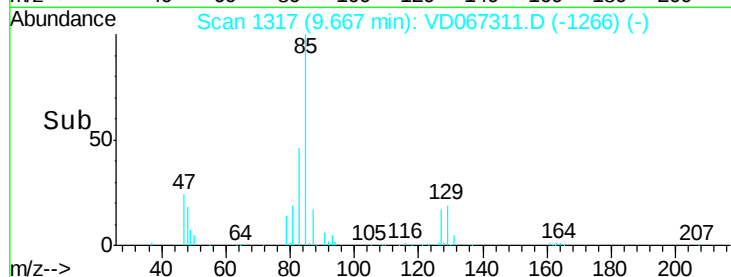
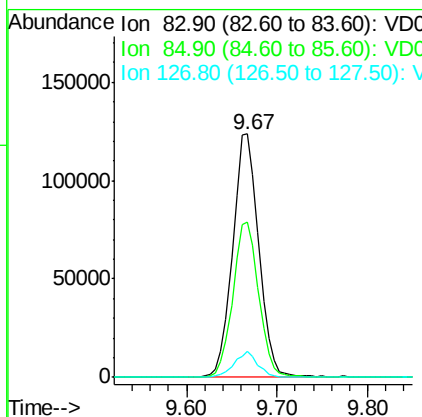
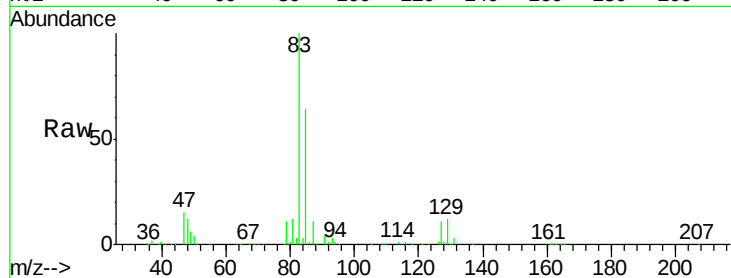
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	249163
Ion Ratio	Lower	Upper	
83	100		
85	63.7	53.1	79.7
127	10.5	8.6	13.0

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#48

Methyl methacrylate

Concen: 55.655 ug/l

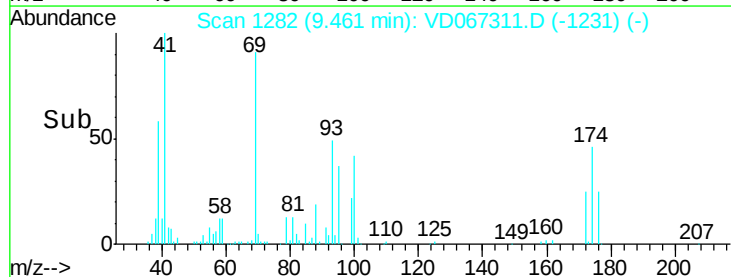
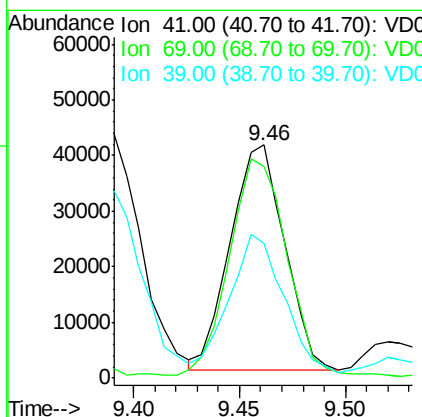
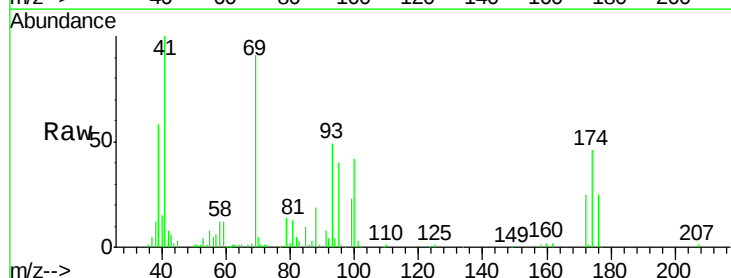
RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	41	Resp:	72264
Ion Ratio	Lower	Upper	
41	100		
69	103.4	89.0	133.6
39	66.0	60.2	90.2





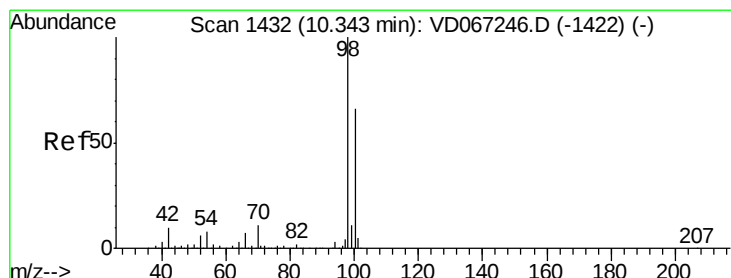
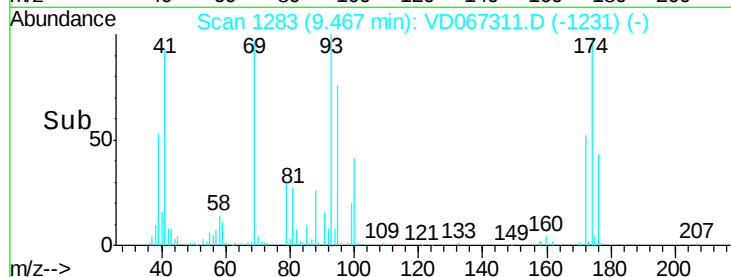
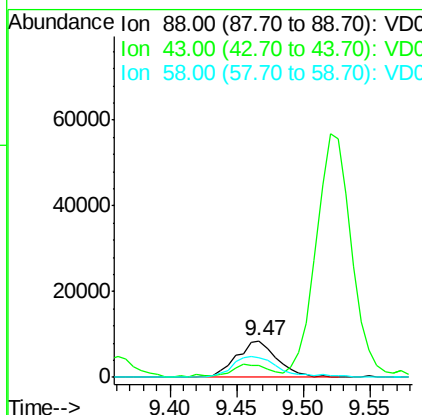
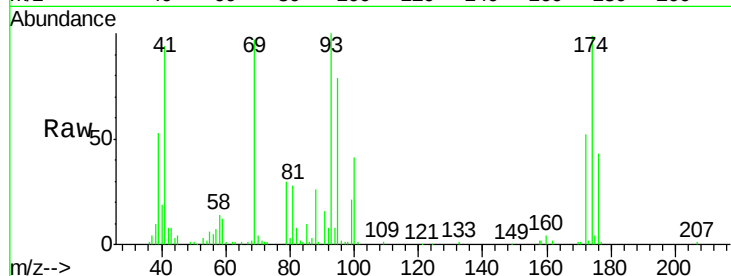
#49
1,4-Dioxane
Concen: 1015.658 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.01 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	17811
Ion Ratio	100	Lower	Upper
88	100		
43	36.3	23.9	35.9#
58	67.9	51.0	76.6

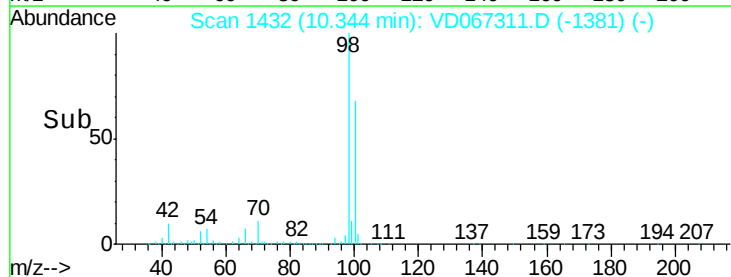
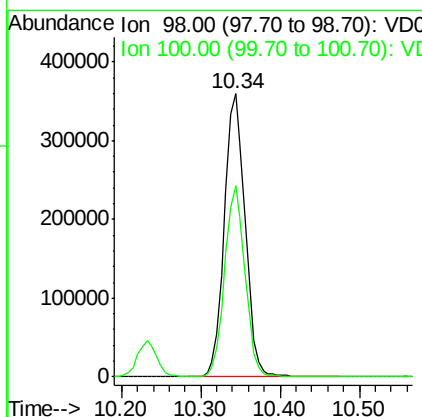
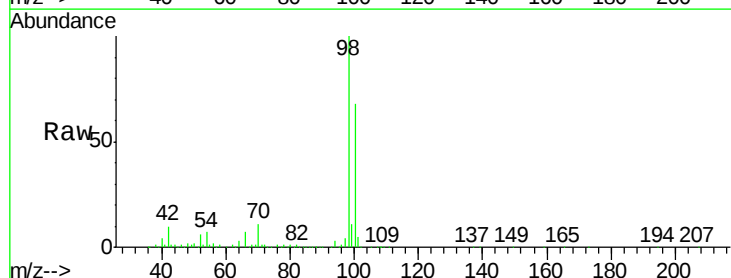
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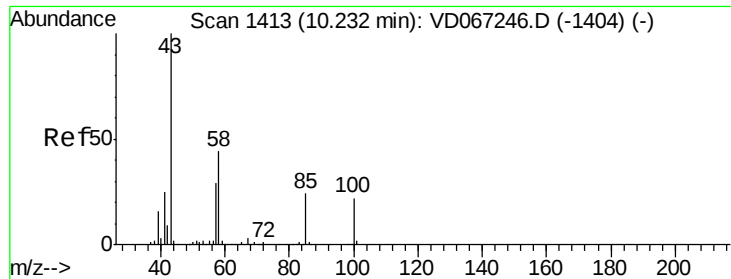
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#50
Toluene-d8
Concen: 50.139 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	98	Resp	652037
Ion Ratio	100	Lower	Upper
98	100		
100	65.9	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 275.031 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 366517

Ion Ratio Lower Upper

43 100

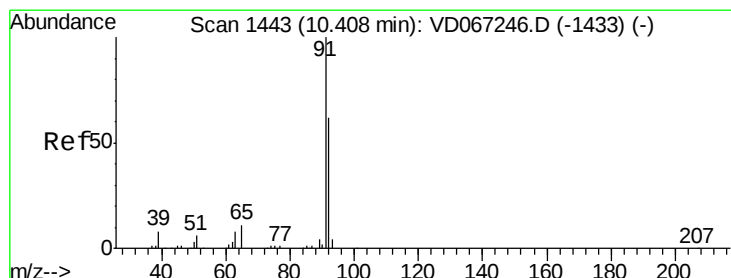
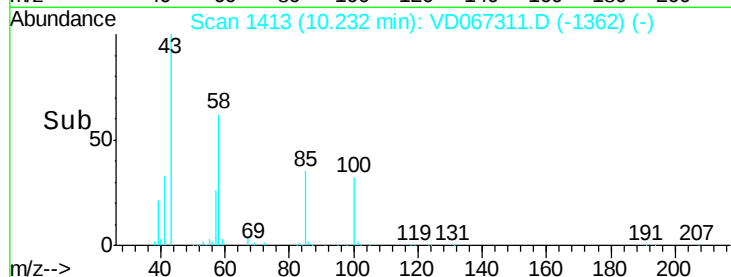
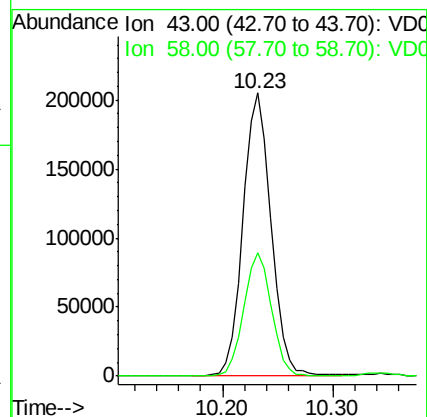
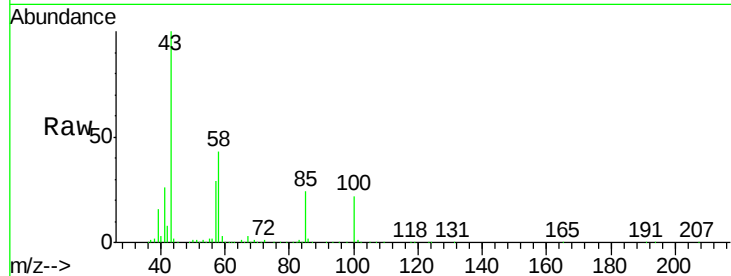
58 43.1 35.7 53.5

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#52

Toluene

Concen: 51.217 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067311.D

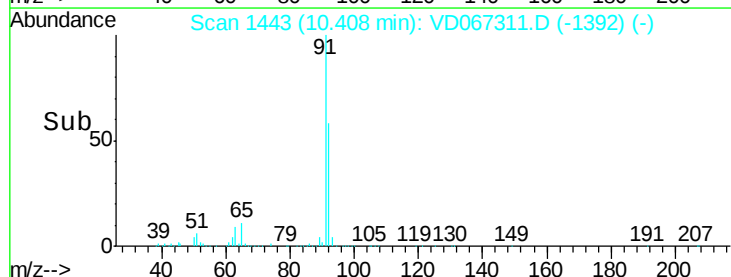
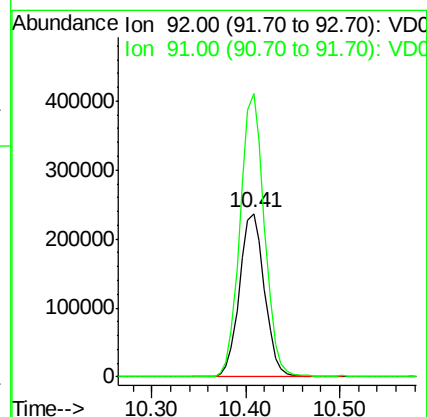
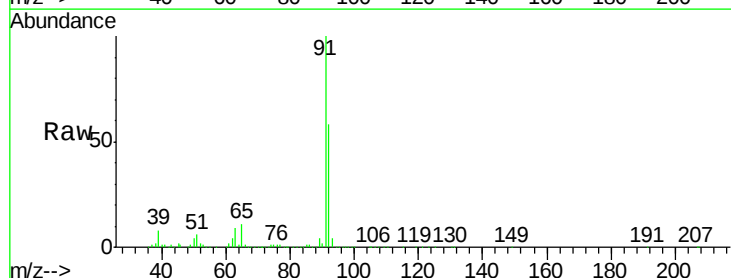
Acq: 19 Oct 2020 16:45

Tgt Ion: 92 Resp: 437979

Ion Ratio Lower Upper

92 100

91 168.8 133.8 200.8





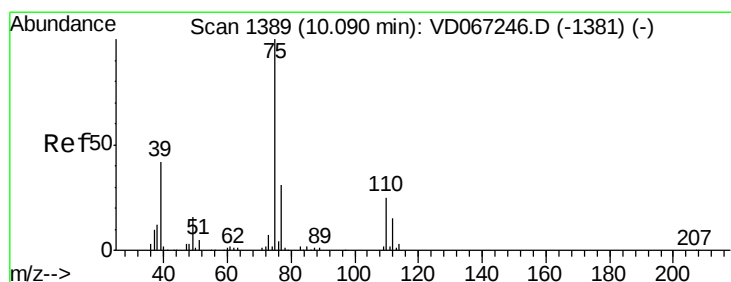
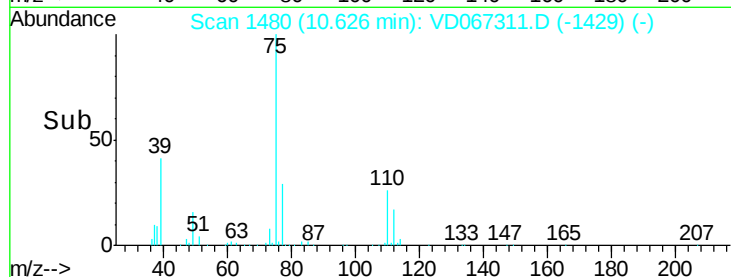
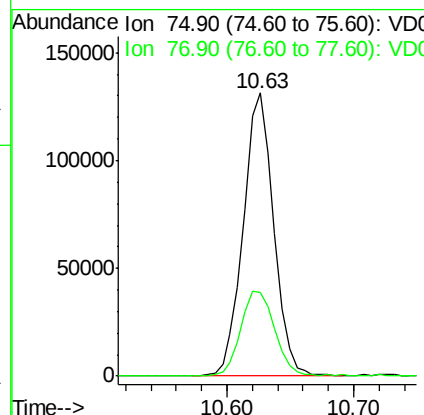
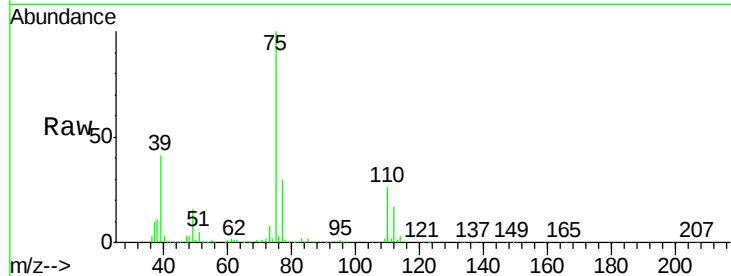
#53
t-1,3-Dichloropropene
Concen: 51.423 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 219417
Ion Ratio Lower Upper
75 100
77 29.6 26.5 39.7

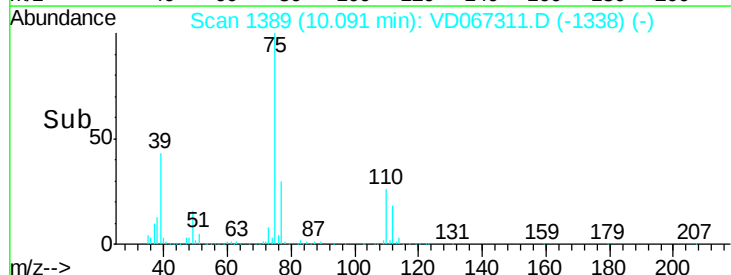
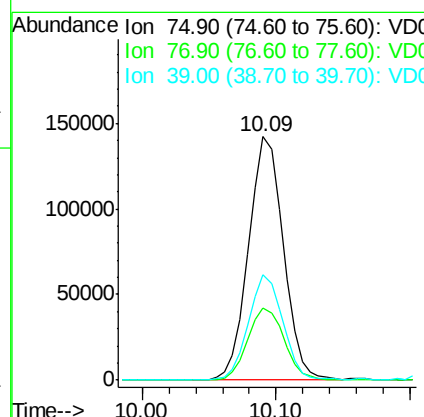
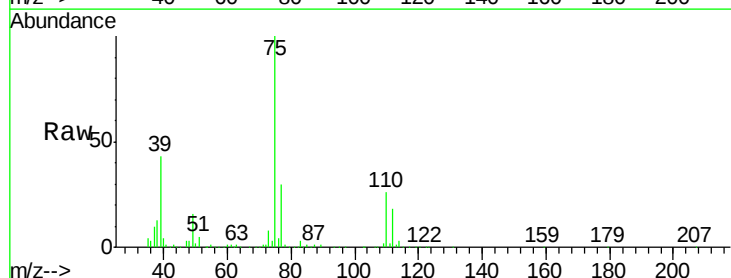
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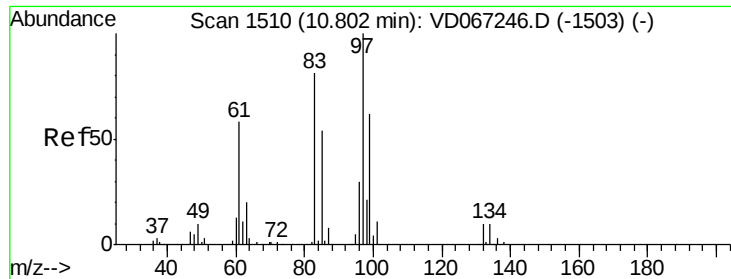
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 51.373 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 75 Resp: 256541
Ion Ratio Lower Upper
75 100
77 29.5 24.5 36.7
39 43.2 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 51.700 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

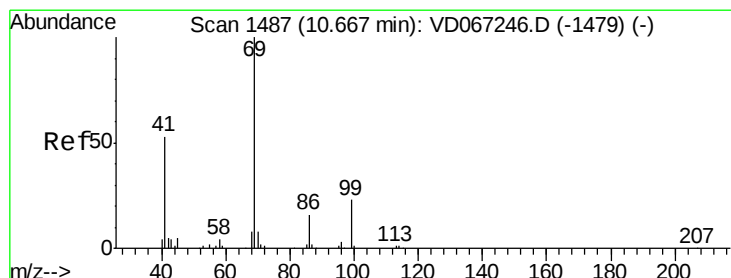
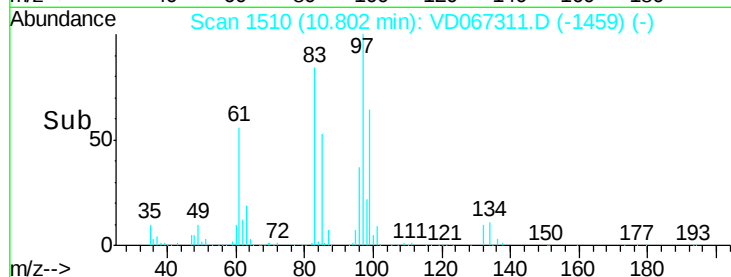
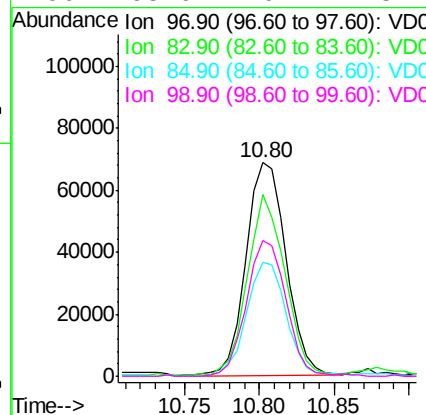
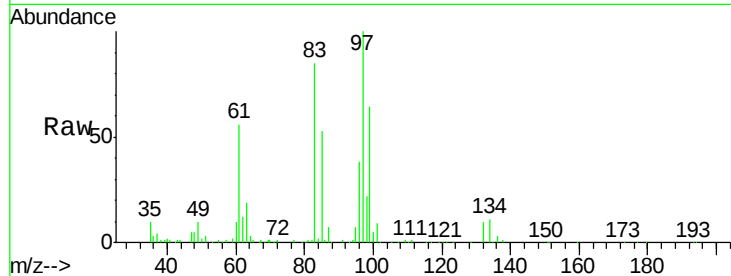
ClientSampleId :

VSTDCCC050EC

Tot Ion:	97	Resp:	127813
Ion	Ratio	Lower	Upper
97	100		
83	84.8	64.9	97.3
85	53.7	43.3	64.9
99	63.9	49.1	73.7

Manual Integrations
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#56

Ethyl methacrylate

Concen: 55.968 ug/l

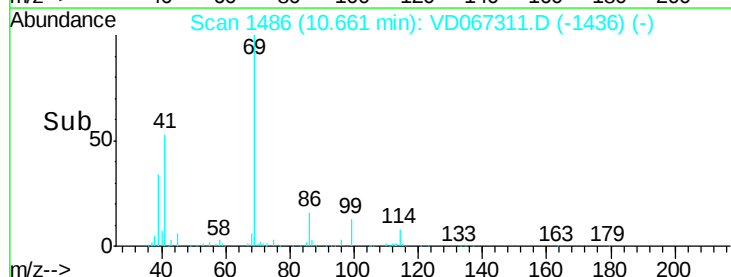
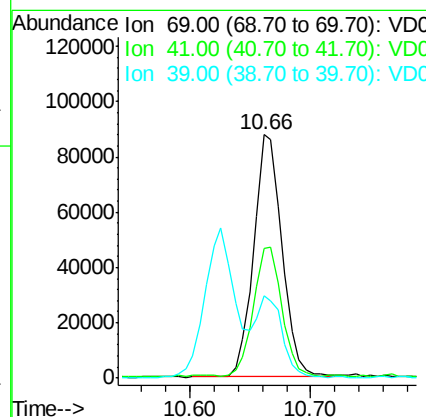
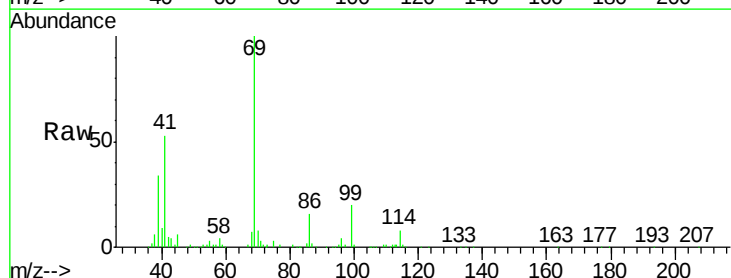
RT: 10.66 min Scan# 1486

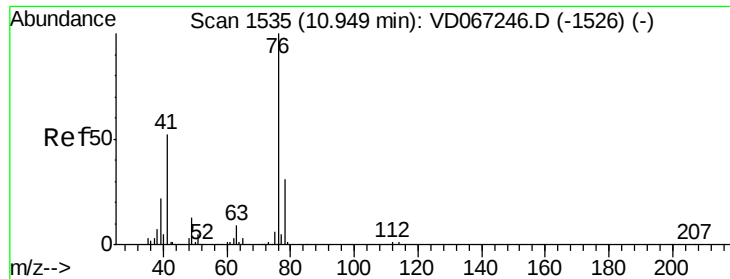
Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	69	Resp:	143501
Ion	Ratio	Lower	Upper
69	100		
41	53.6	44.7	67.1
39	30.5	26.2	39.2





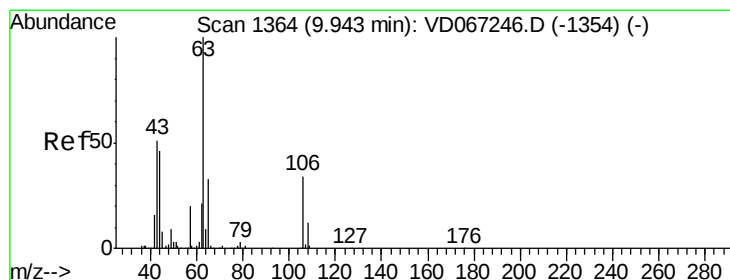
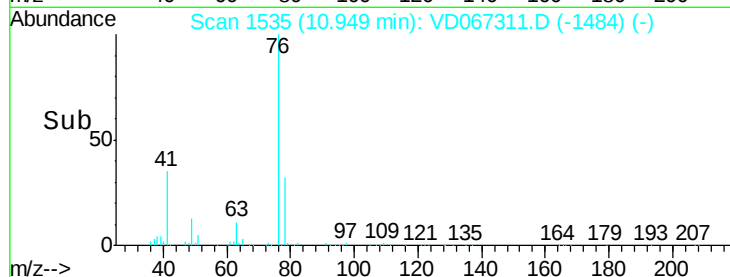
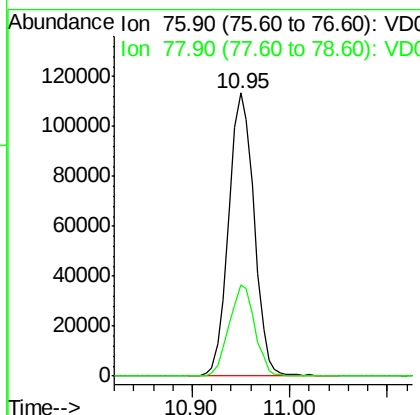
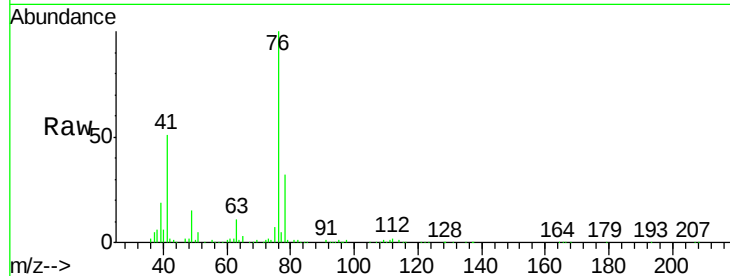
#57
 1,3-Dichloropropane
 Concen: 52.185 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.8	40.2

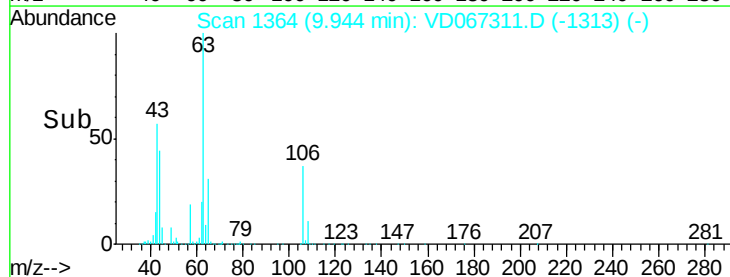
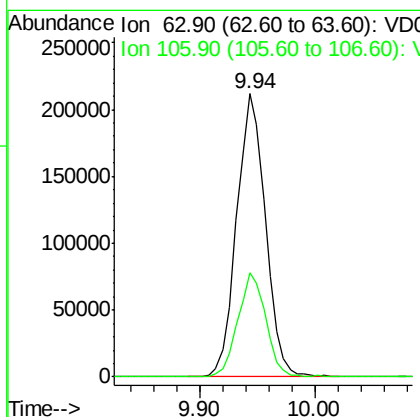
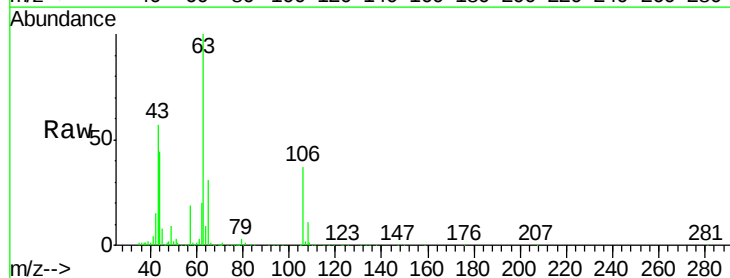
Manual Integrations
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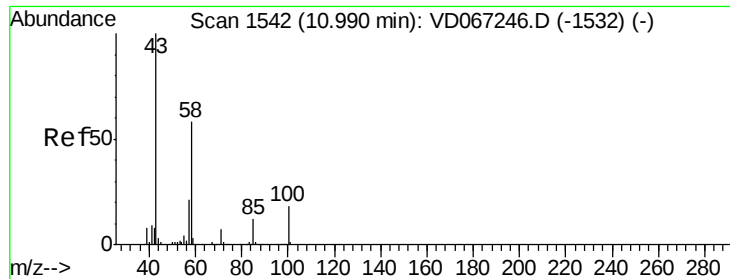
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#58
 2-Chloroethyl Vinyl ether
 Concen: 278.017 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
63	100		
106	36.1	27.8	41.6





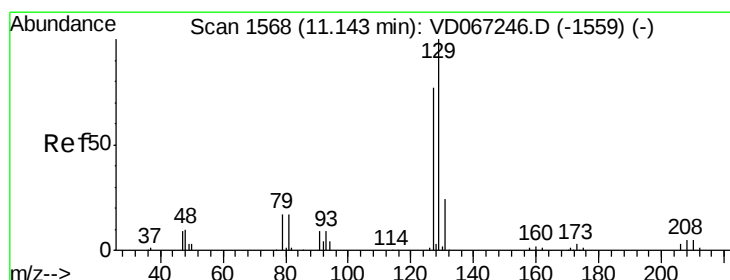
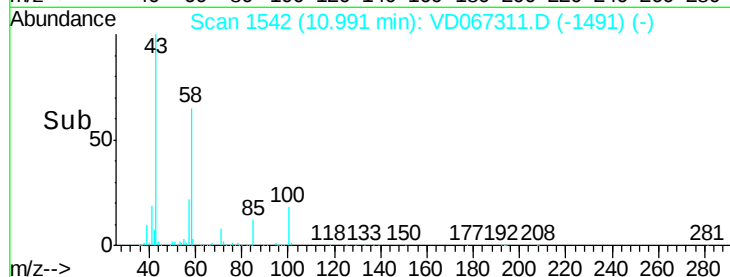
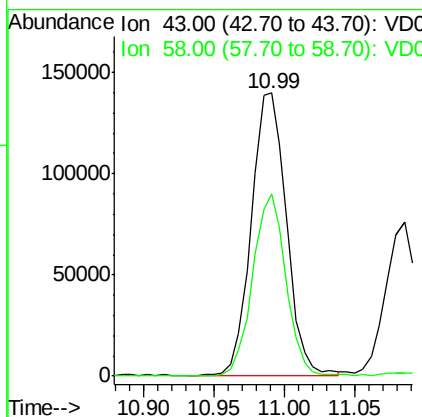
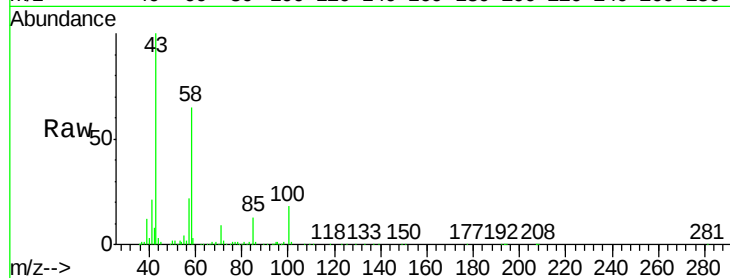
#59
2-Hexanone
Concen: 267.925 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 243981
Ion Ratio Lower Upper
43 100
58 61.3 29.3 87.9

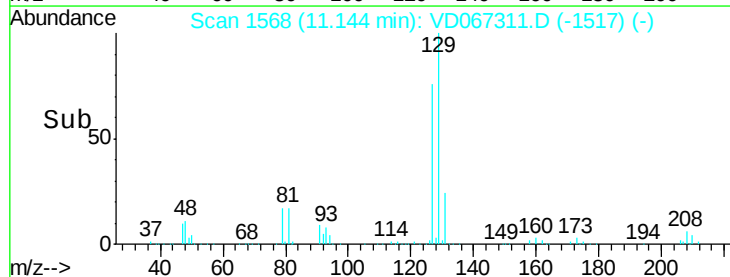
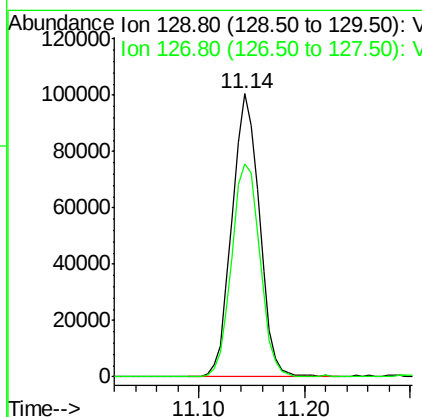
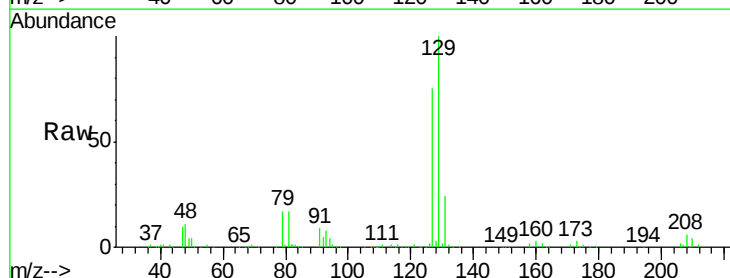
Manual Integrations
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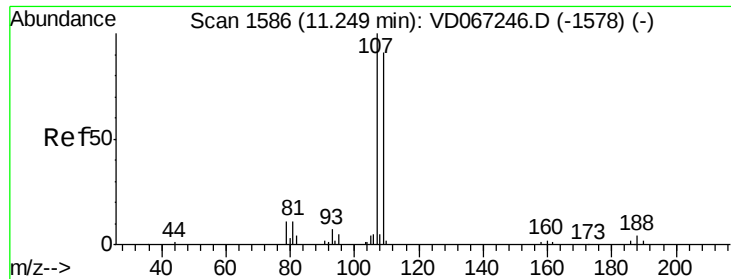
MMDadoda
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#60
Dibromochloromethane
Concen: 50.185 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 129 Resp: 180935
Ion Ratio Lower Upper
129 100
127 77.5 38.3 114.8





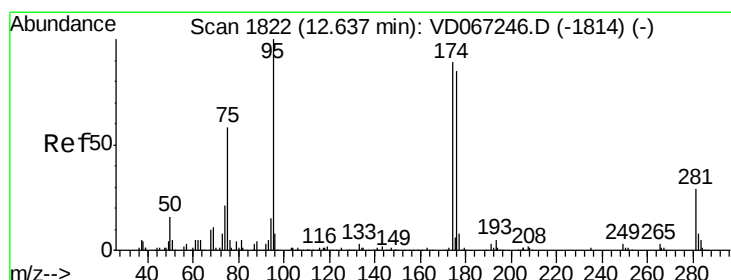
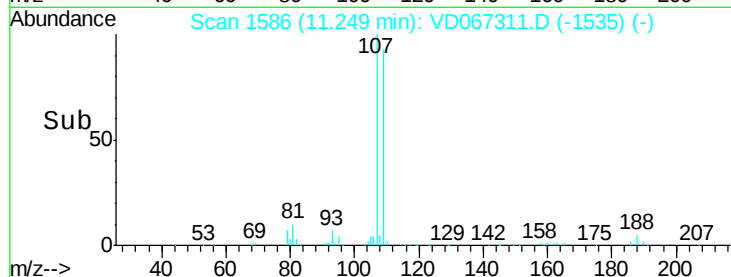
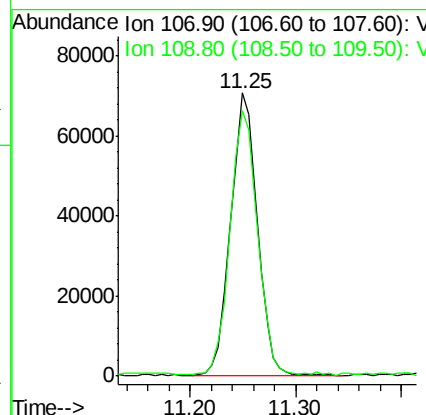
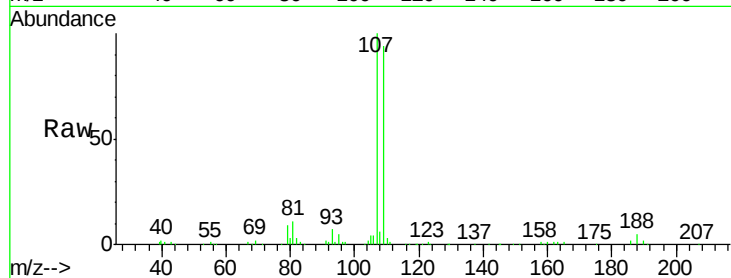
#61
 1,2-Dibromoethane
 Concen: 51.099 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 107 Resp: 124542
 Ion Ratio Lower Upper
 107 100
 109 94.4 74.6 112.0

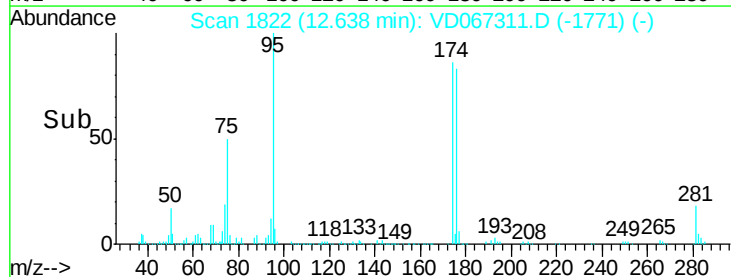
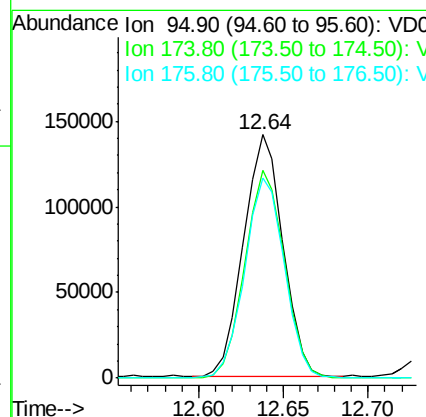
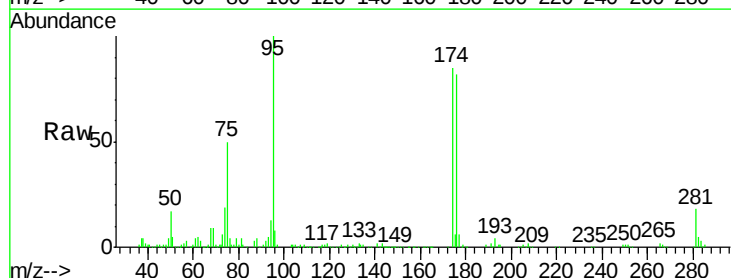
Manual Integrations
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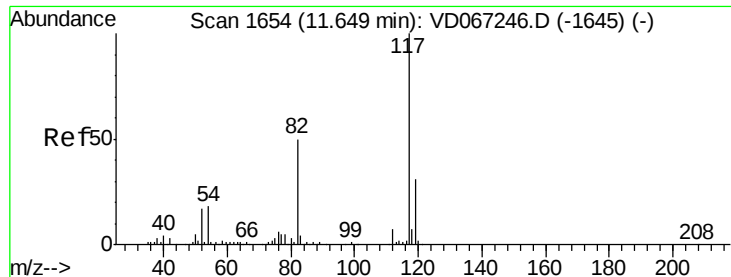
MMDadoda
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#62
 4-Bromofluorobenzene
 Concen: 50.846 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion: 95 Resp: 229923
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 175.2
 176 83.3 0.0 168.6





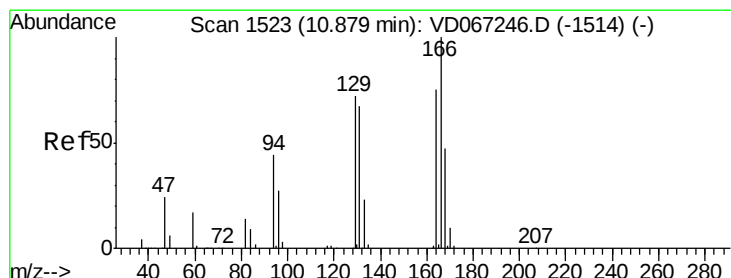
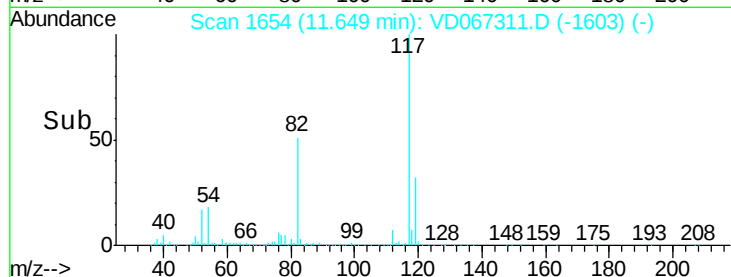
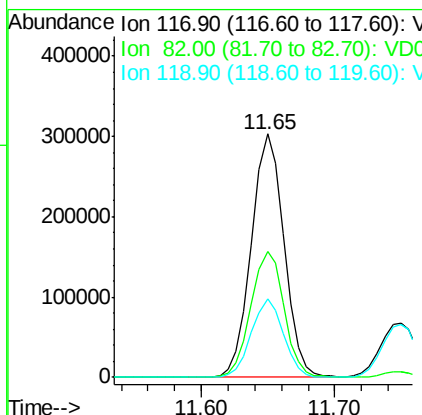
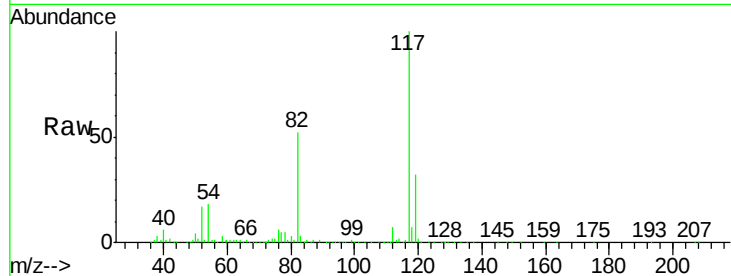
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.3	39.9	59.9
119	32.4	24.9	37.3

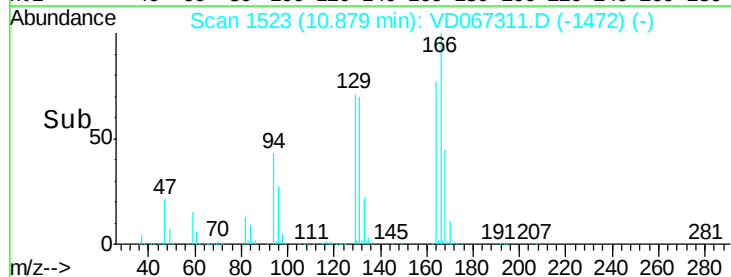
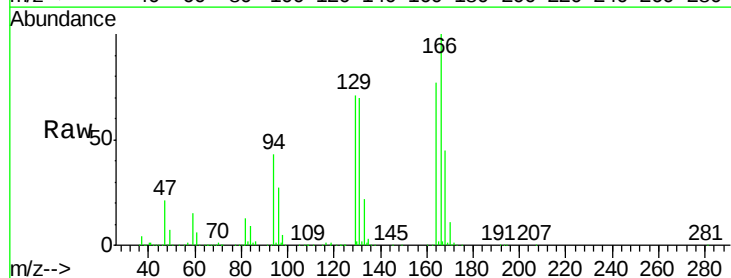
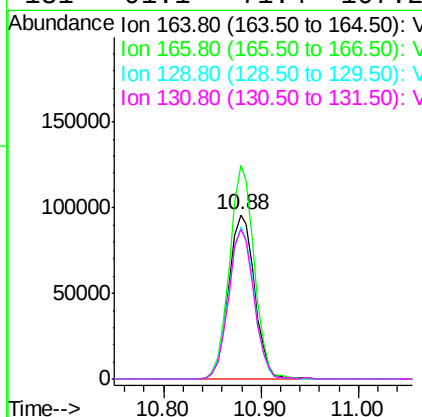
Manual Integrations
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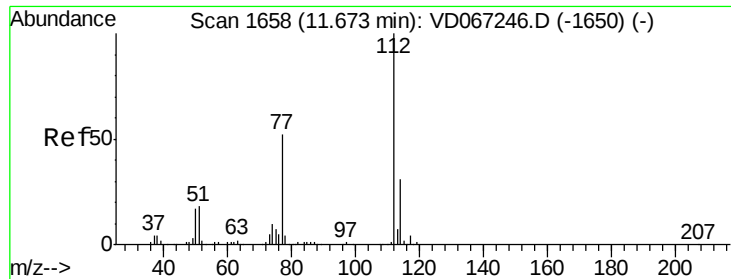
MMDadoda
10/20/2020 4:51:09 PM



#64
Tetrachloroethene
Concen: 47.453 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.2	107.3	160.9
129	93.0	77.3	115.9
131	91.1	71.4	107.2





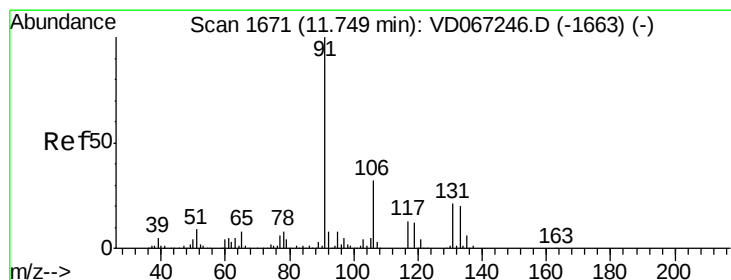
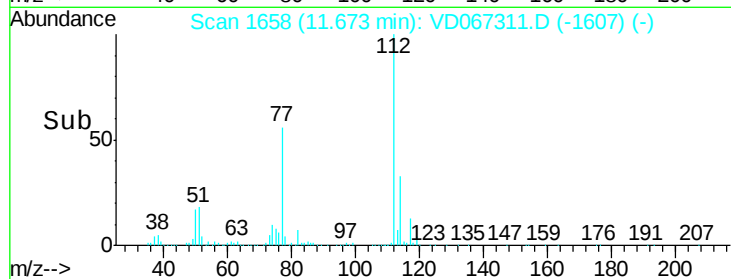
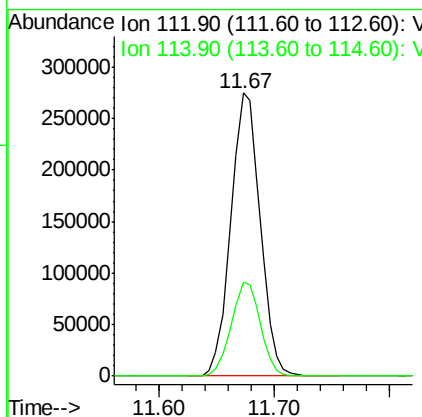
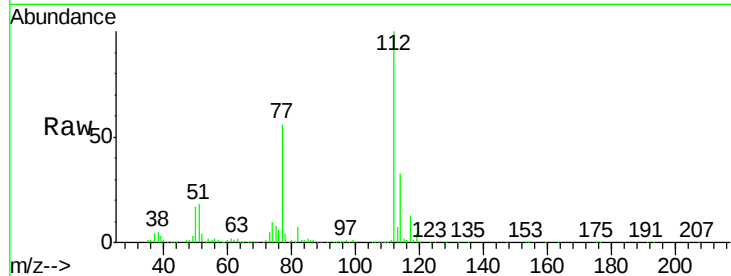
#65
Chlorobenzene
Concen: 49.186 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.0	37.4

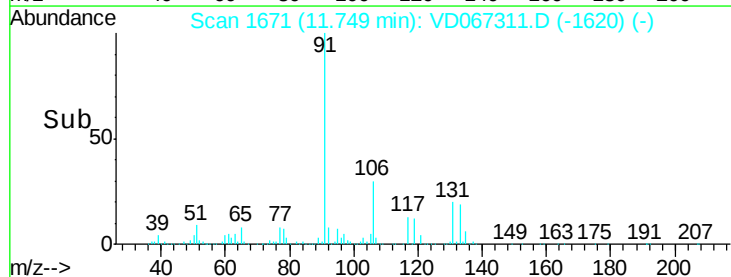
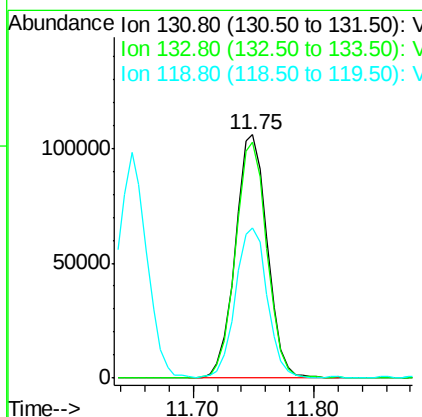
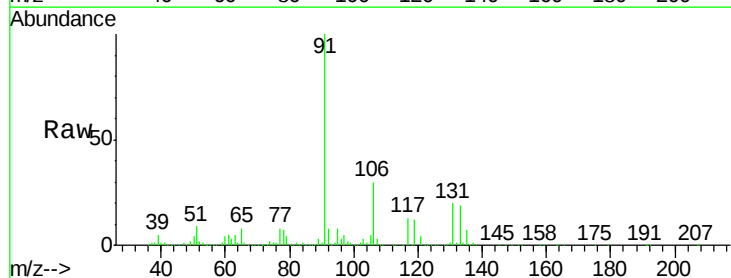
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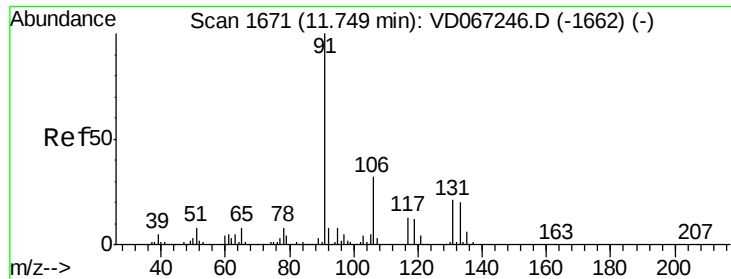
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.976 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.4	48.1	144.3
119	61.1	30.0	90.0





#67

Ethyl Benzene

Concen: 50.834 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 856625

Ion Ratio Lower Upper

91 100

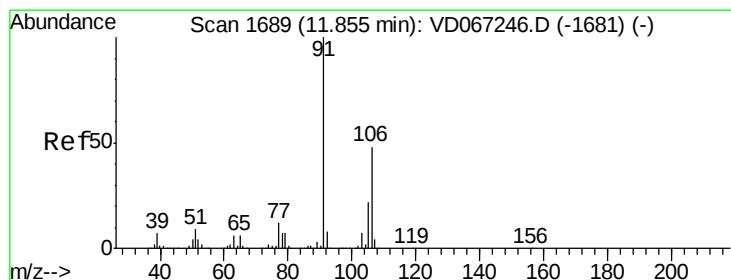
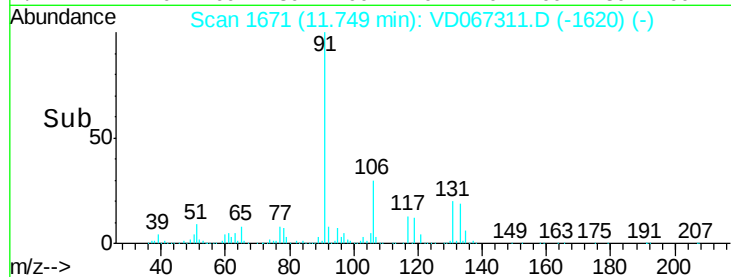
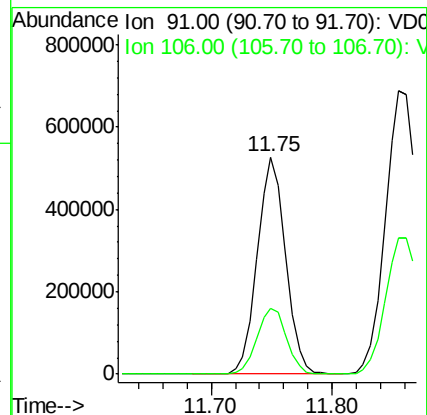
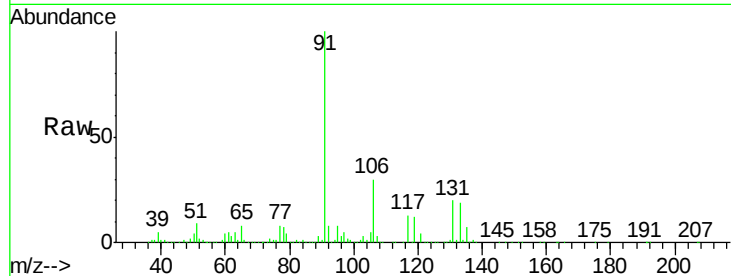
106 30.3 25.4 38.0

Manual Integrations

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#68

m/p-Xylenes

Concen: 100.189 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067311.D

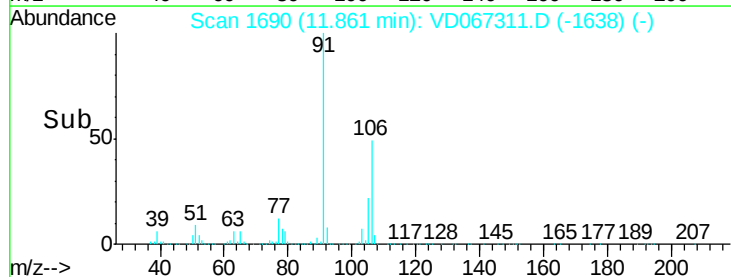
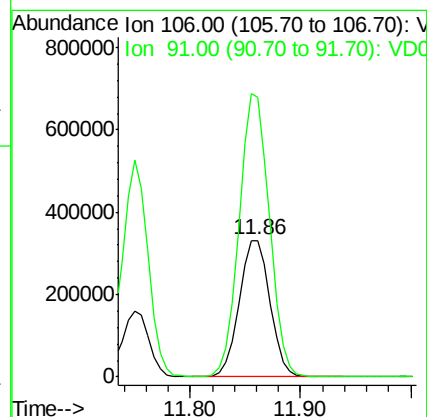
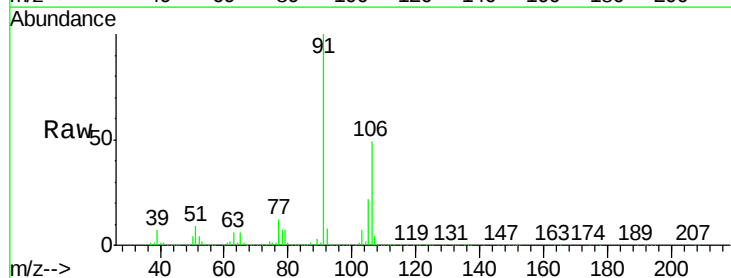
Acq: 19 Oct 2020 16:45

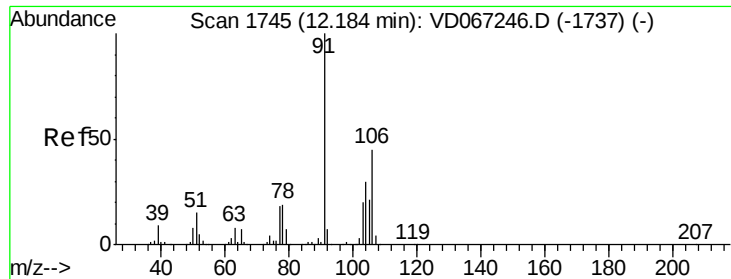
Tgt Ion: 106 Resp: 650152

Ion Ratio Lower Upper

106 100

91 203.7 163.8 245.8





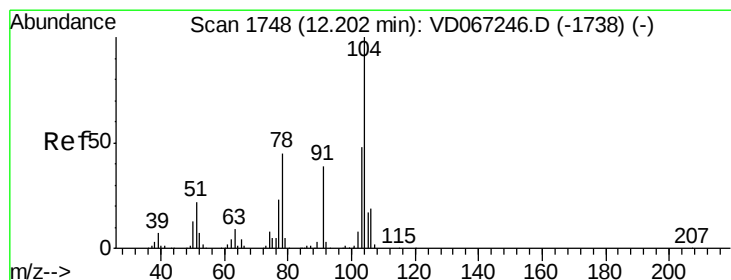
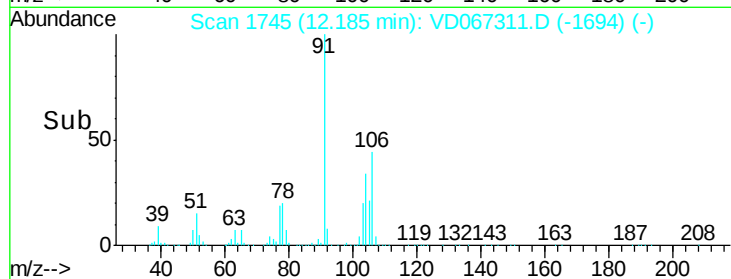
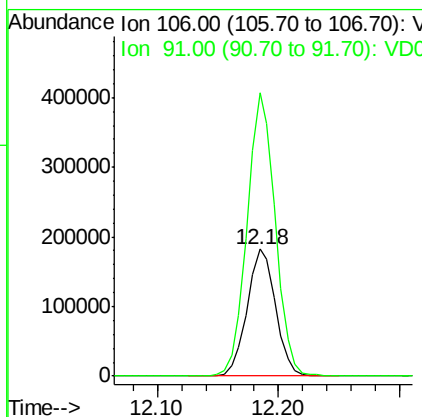
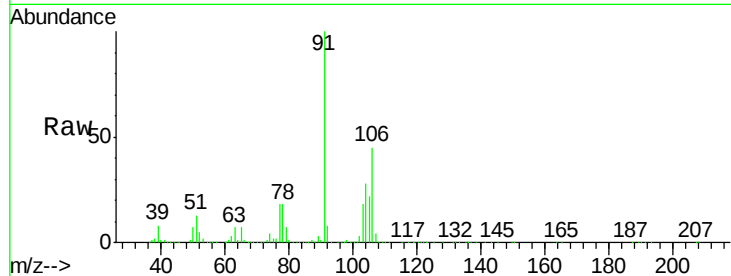
#69
o-Xylene
Concen: 50.033 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 300652
Ion Ratio Lower Upper
106 100
91 218.6 109.1 327.3

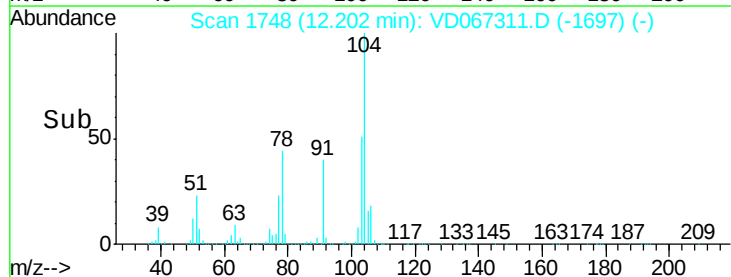
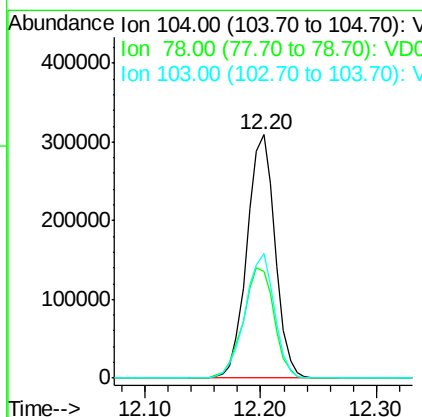
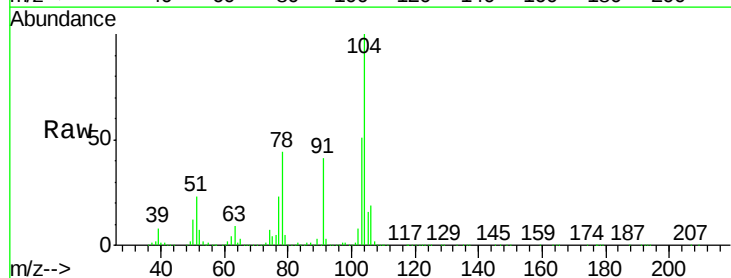
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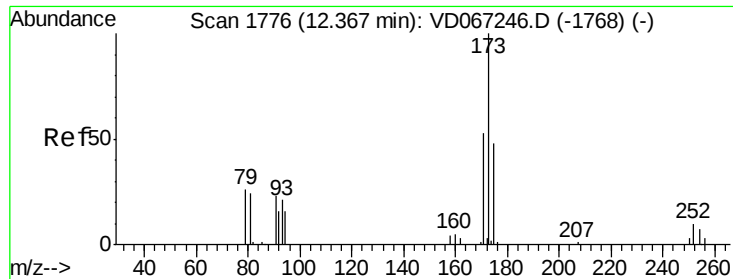
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#70
Styrene
Concen: 50.645 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion:104 Resp: 523890
Ion Ratio Lower Upper
104 100
78 50.1 39.8 59.6
103 53.3 42.6 64.0





#71

Bromoform

Concen: 50.466 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 105928

Ion Ratio Lower Upper

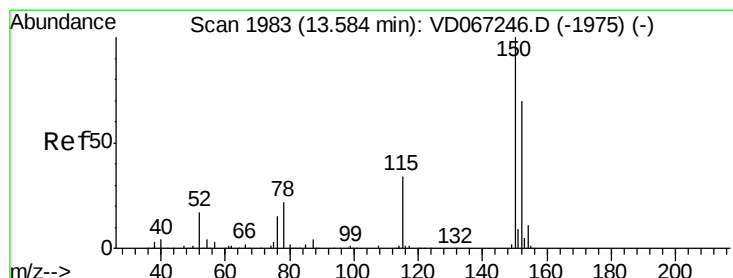
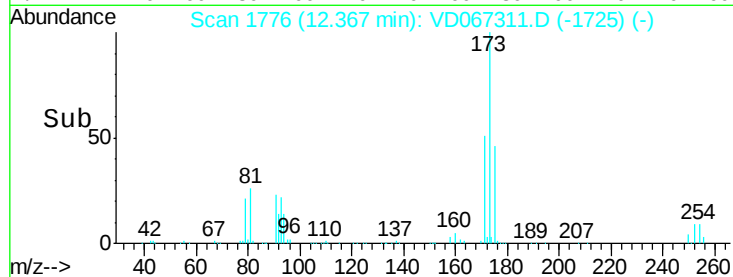
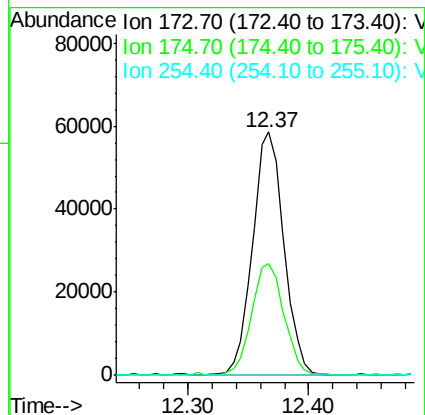
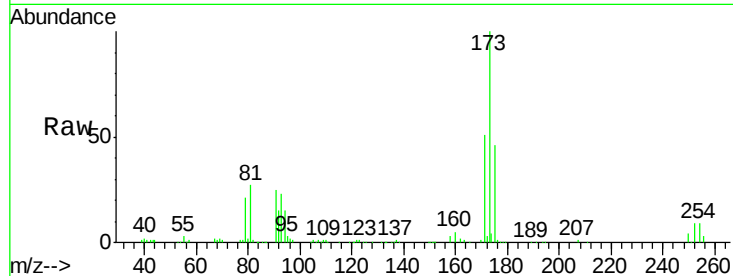
173 100

175 47.8 24.2 72.6

254 0.0 0.1 0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

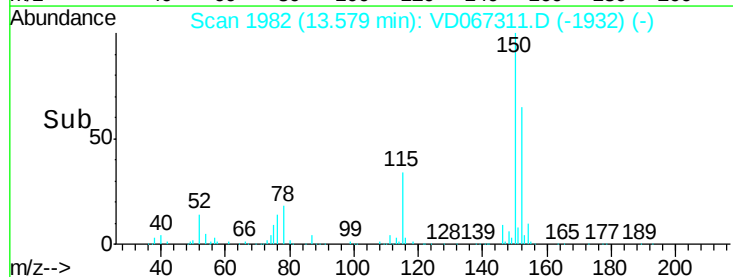
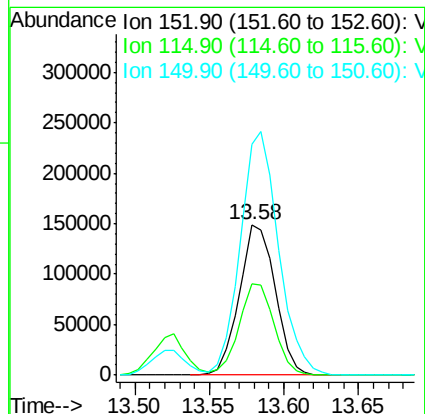
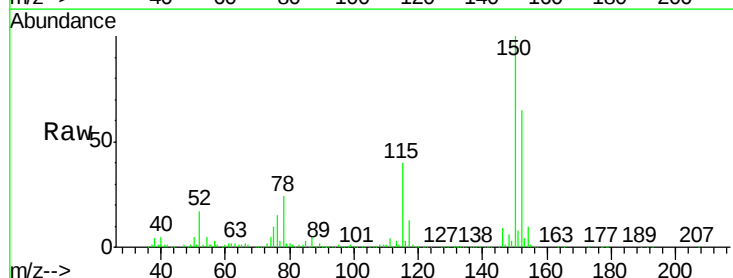
Tgt Ion:152 Resp: 249080

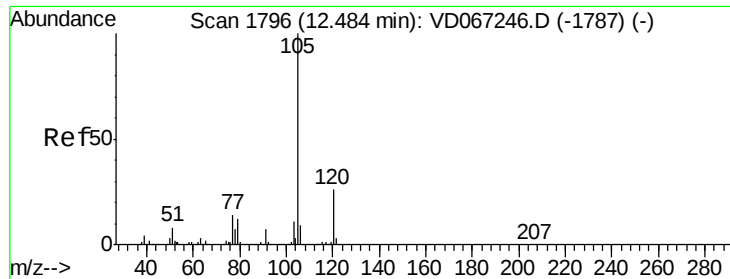
Ion Ratio Lower Upper

152 100

115 58.9 29.3 87.9

150 171.8 0.0 339.0





#73

Isopropylbenzene

Concen: 53.906 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 852164

Ion Ratio Lower Upper

105 100

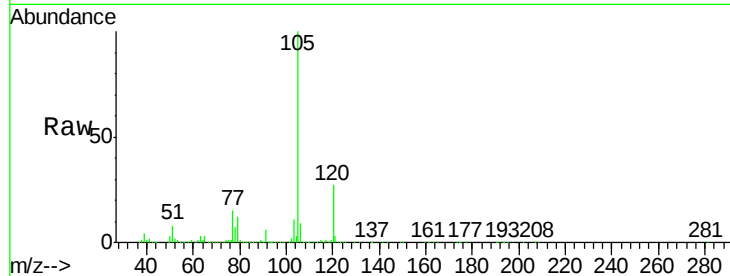
120 26.4 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

600000

500000

400000

300000

200000

100000

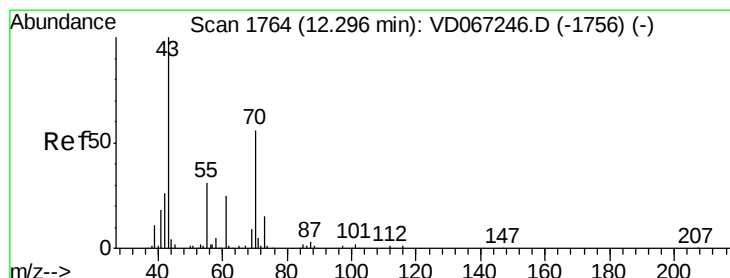
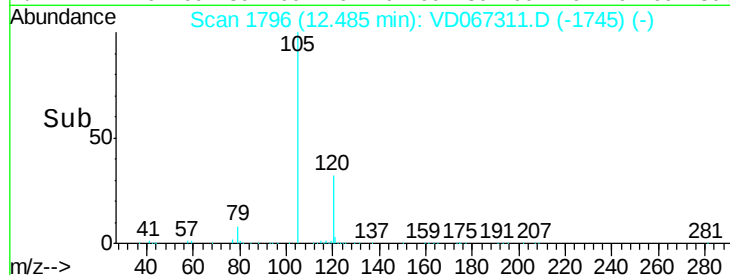
0

12.40

12.48

12.50

Time-->



#74

N-ethyl acetate

Concen: 55.731 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion: 43 Resp: 133061

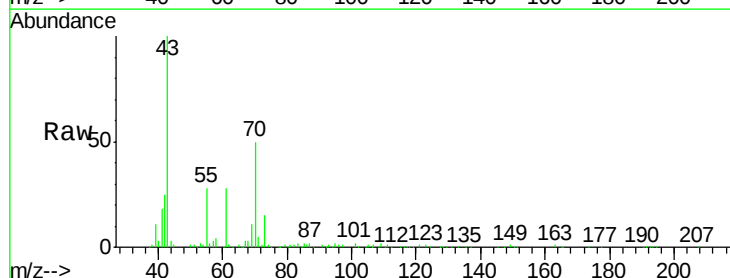
Ion Ratio Lower Upper

43 100

70 52.3 42.7 64.1

55 30.4 24.0 36.0

61 28.7 22.2 33.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

100000

50000

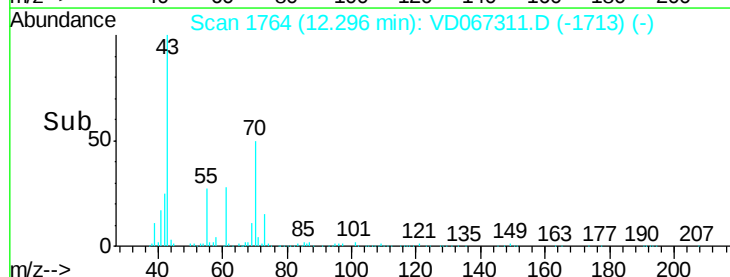
0

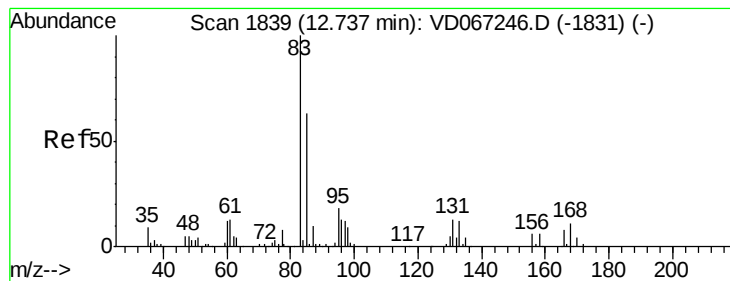
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 55.343 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

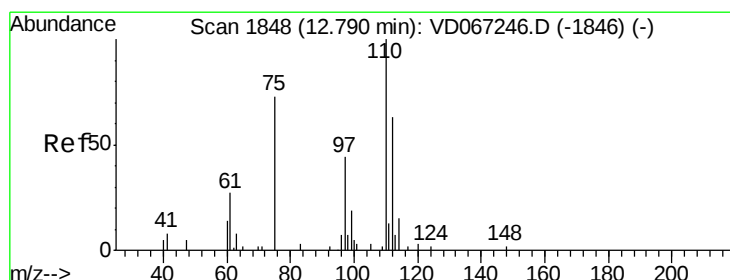
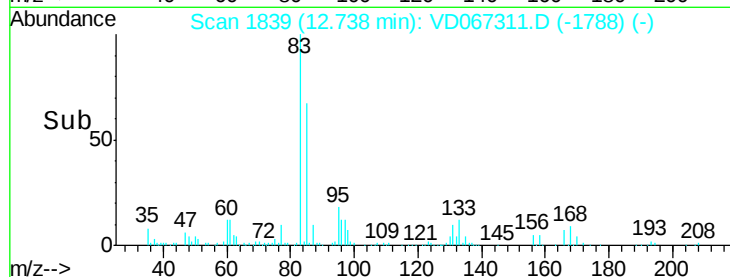
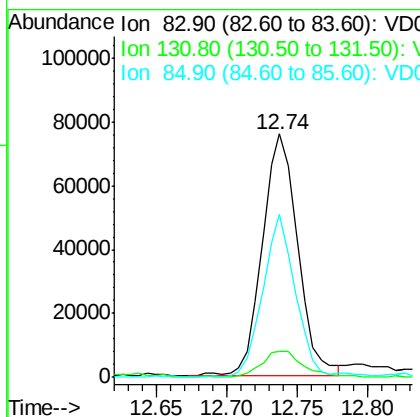
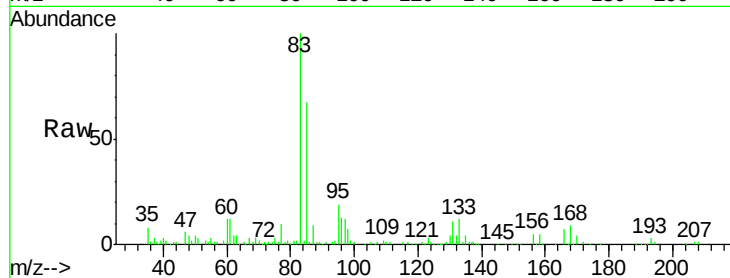
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	134051
Ion Ratio	Lower	Upper	
83	100		
131	12.7	6.5	19.5
85	61.7	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 55.831 ug/l m

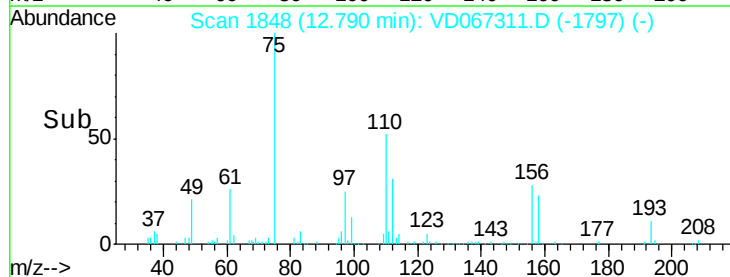
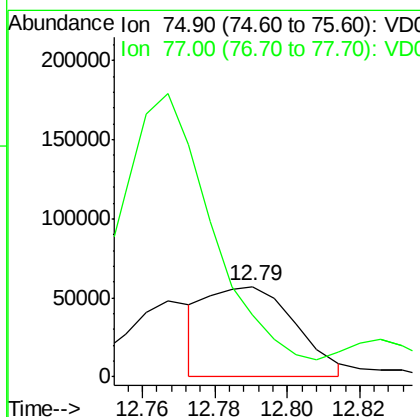
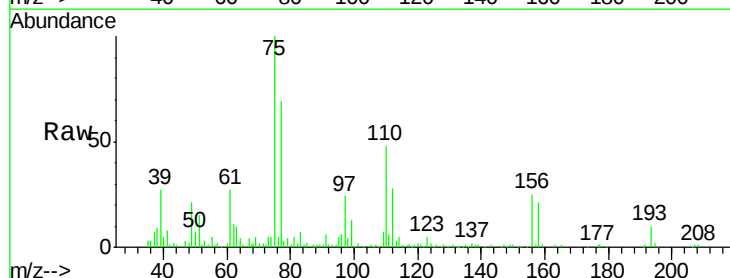
RT: 12.79 min Scan# 1848

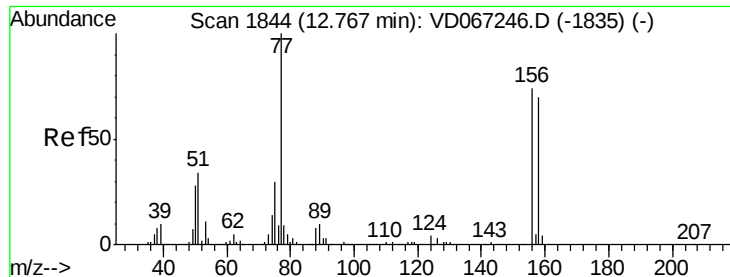
Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	75	Resp:	96384
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.916 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

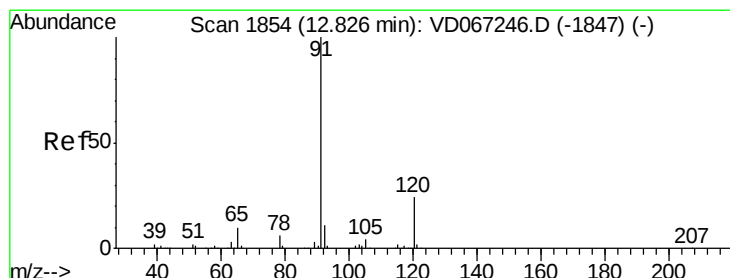
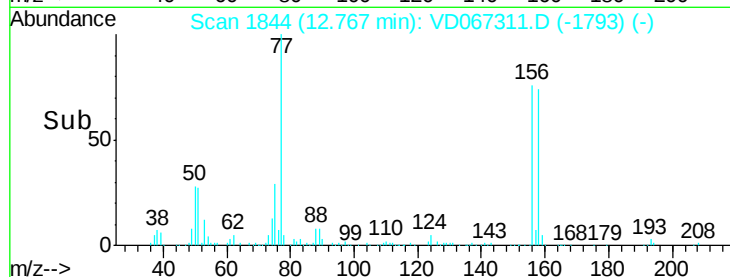
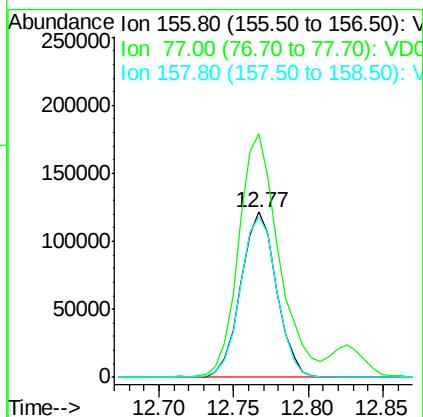
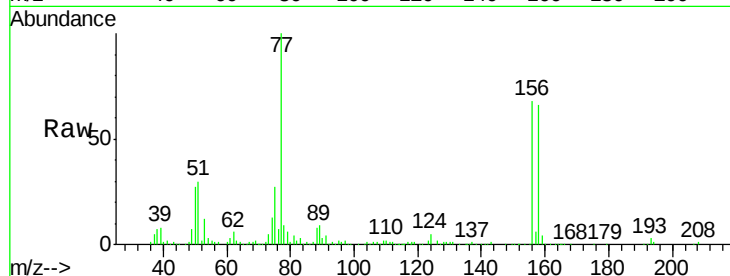
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	200670
Ion Ratio	Lower	Upper	
156	100		
77	166.1	78.0	233.8
158	99.1	49.1	147.3

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#78

n-propylbenzene

Concen: 52.998 ug/l

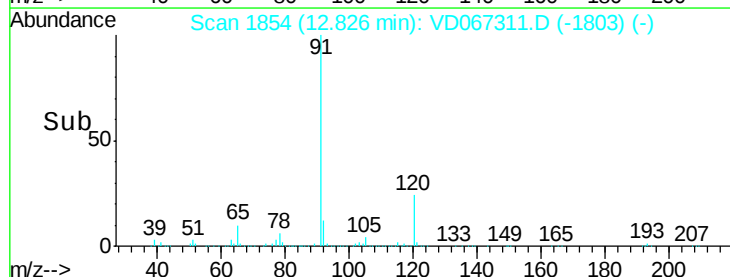
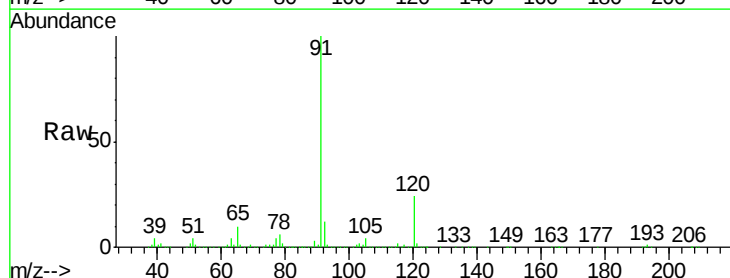
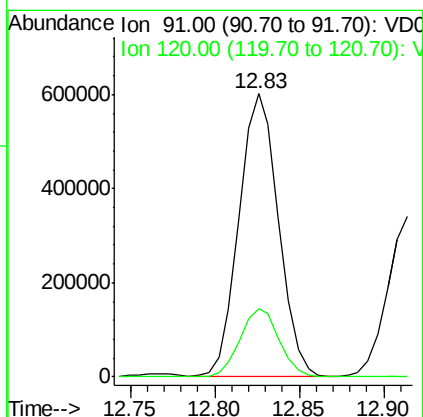
RT: 12.83 min Scan# 1854

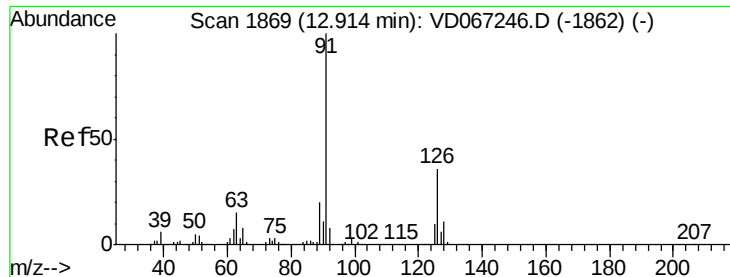
Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	91	Resp:	970714
Ion Ratio	Lower	Upper	
91	100		
120	23.9	11.9	35.9





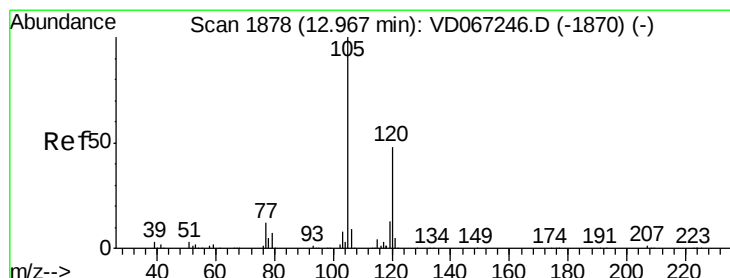
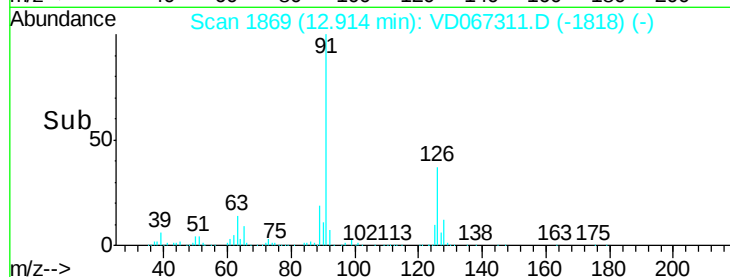
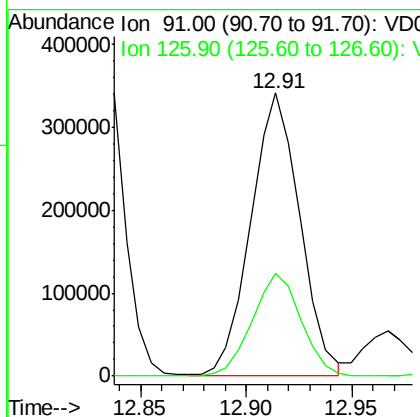
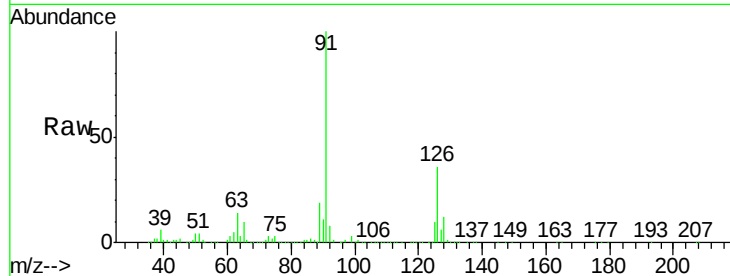
#79
2-Chlorotoluene
Concen: 51.427 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 546248
Ion Ratio Lower Upper
91 100
126 36.4 17.6 52.8

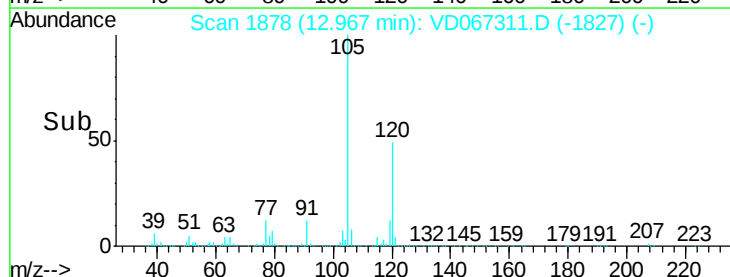
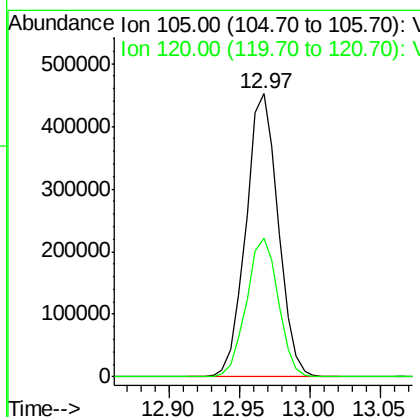
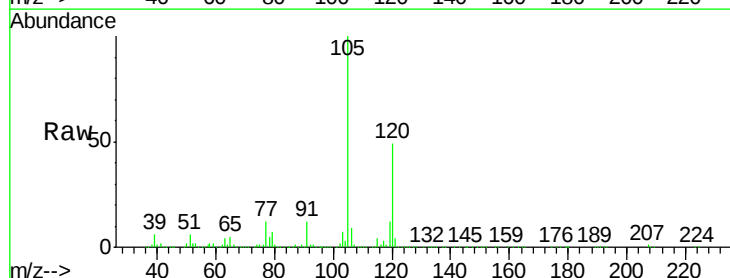
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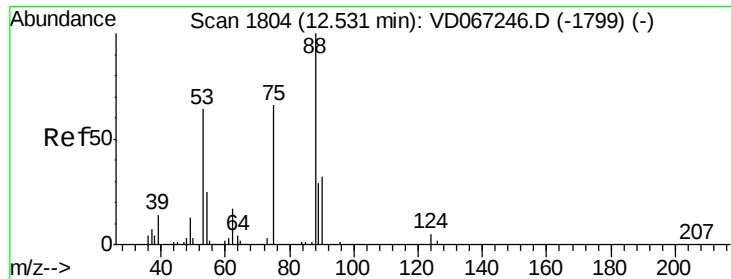
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 52.557 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion: 105 Resp: 721994
Ion Ratio Lower Upper
105 100
120 48.8 24.3 72.8





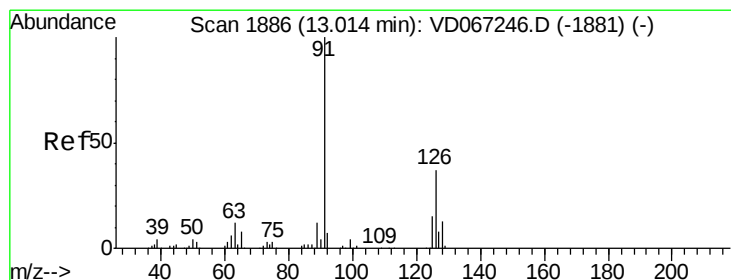
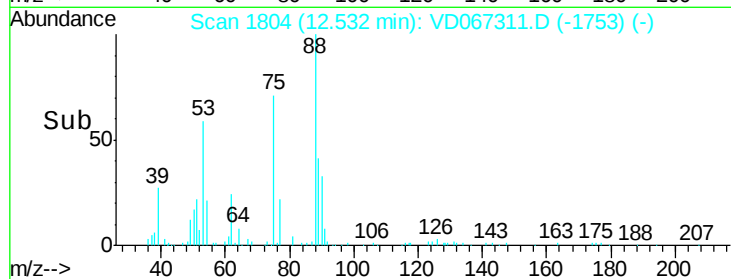
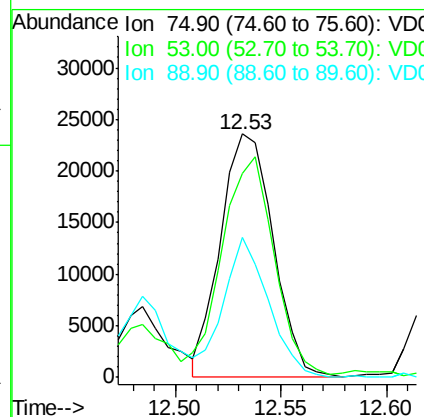
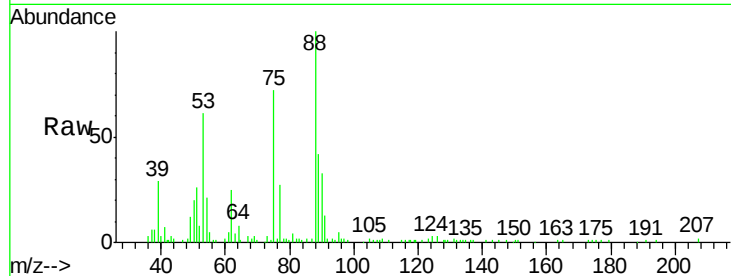
#81
trans-1,4-Dichloro-2-butene
Concen: 53.734 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	88.1	78.5	117.7
89	49.0	39.9	59.9

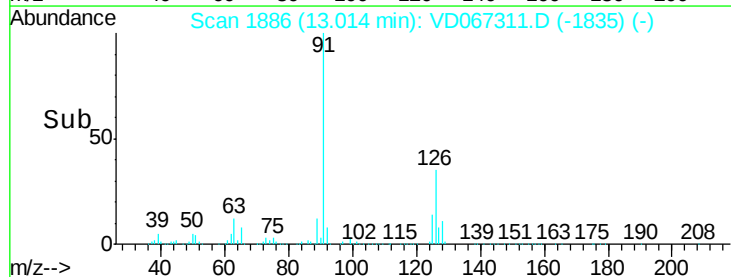
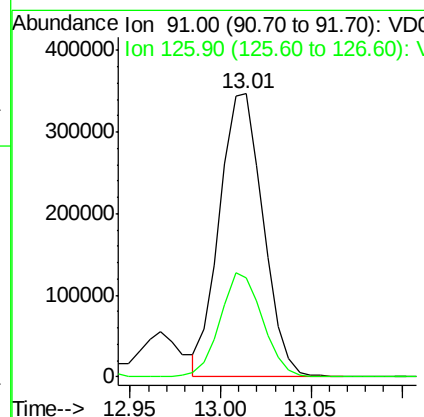
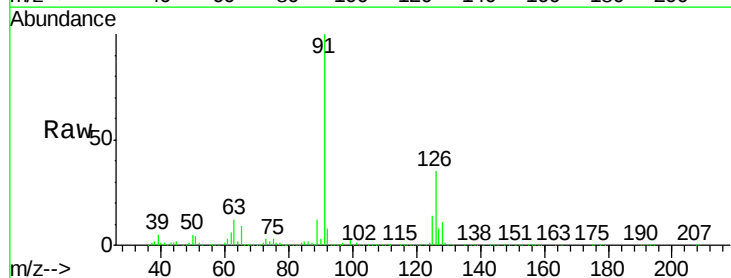
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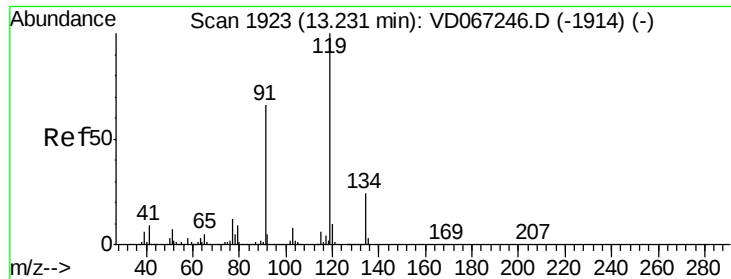
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#82
4-Chlorotoluene
Concen: 51.192 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.8	53.5





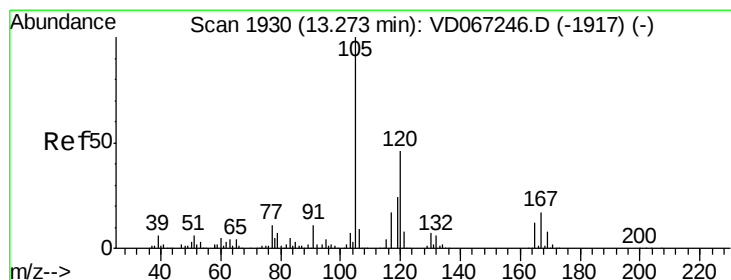
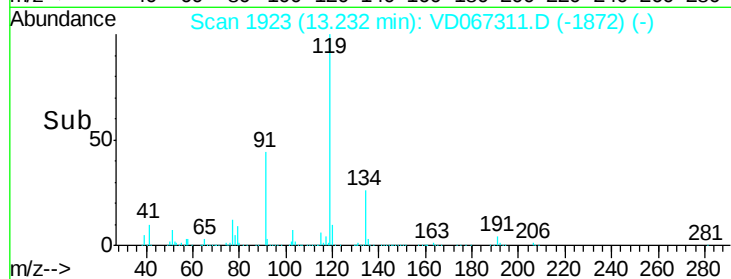
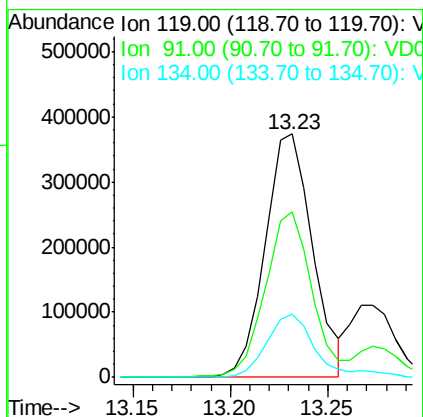
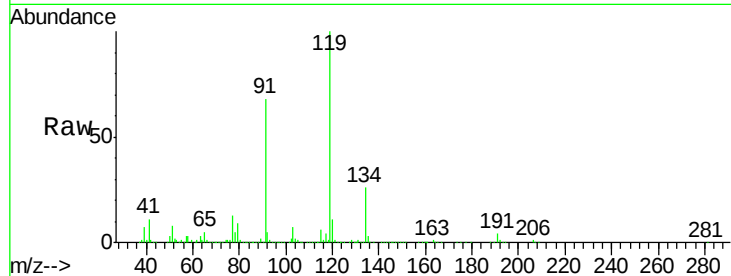
#83
tert-Butylbenzene
Concen: 54.039 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.3	33.1	99.2
134	27.3	13.3	39.9

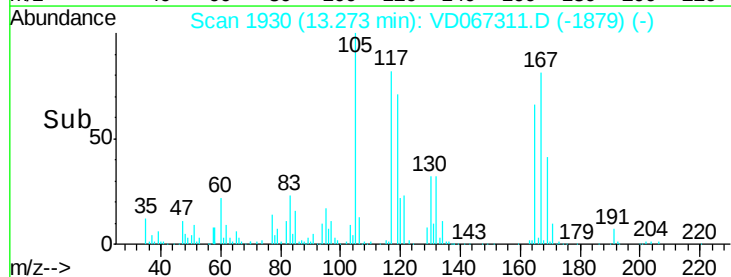
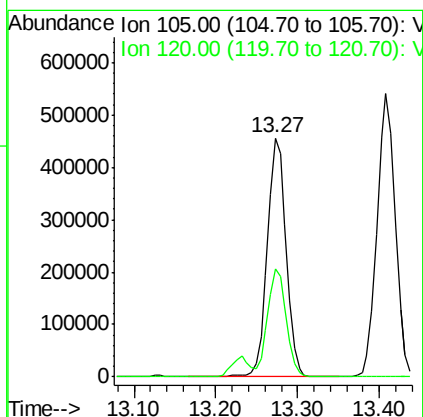
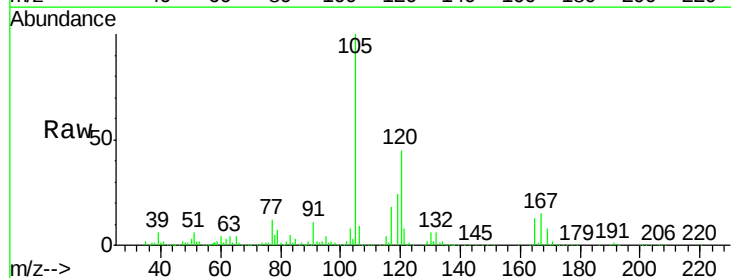
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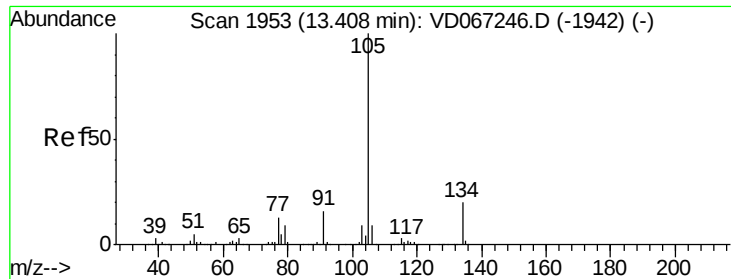
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#84
1,2,4-Trimethylbenzene
Concen: 53.715 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.5	22.4	67.3





#85

sec-Butylbenzene

Concen: 52.793 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 840596

Ion Ratio Lower Upper

105 100

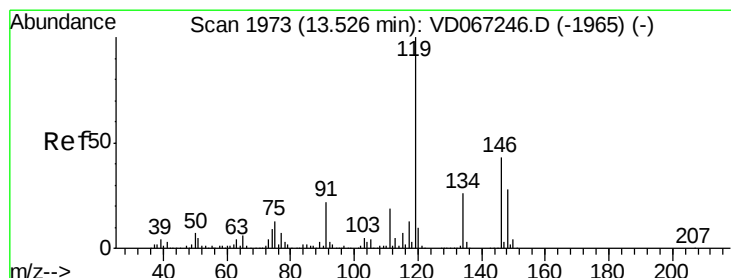
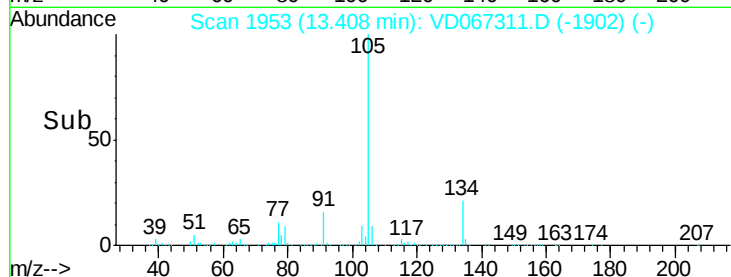
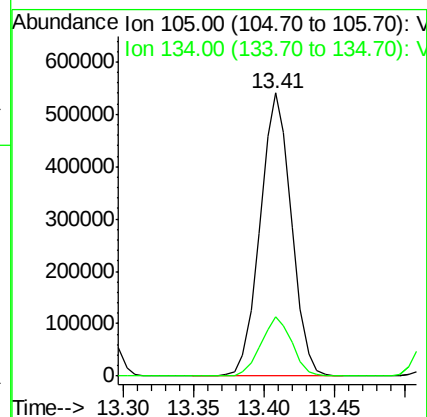
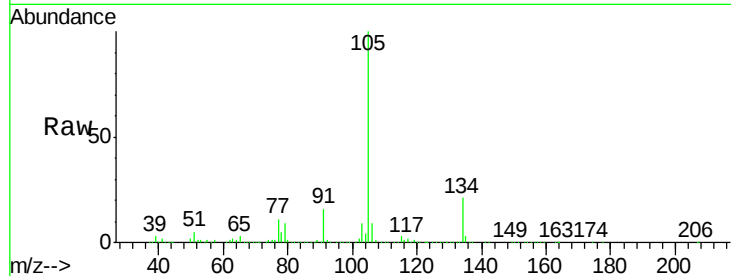
134 20.9 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.446 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

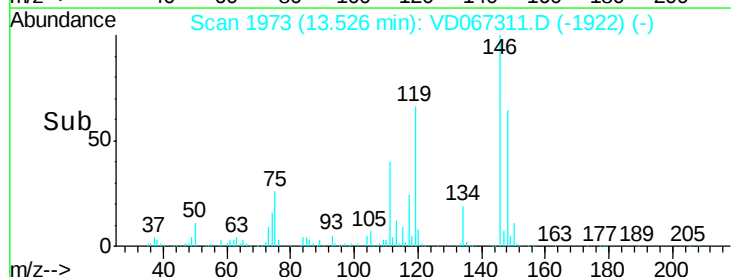
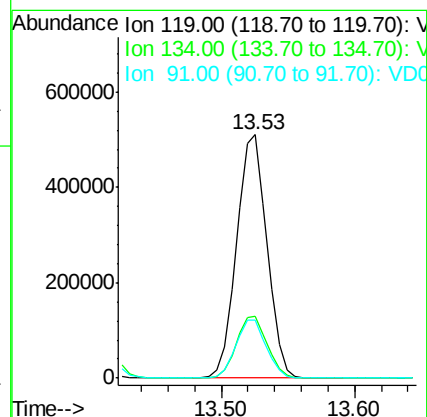
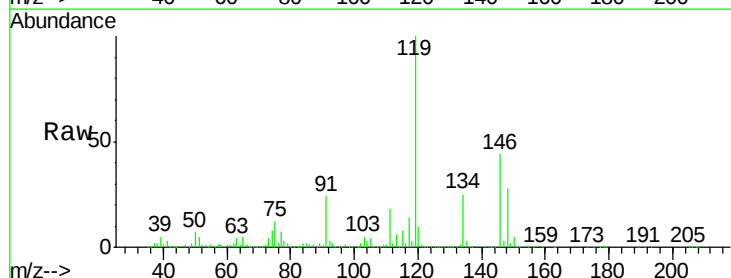
Tgt Ion:119 Resp: 803234

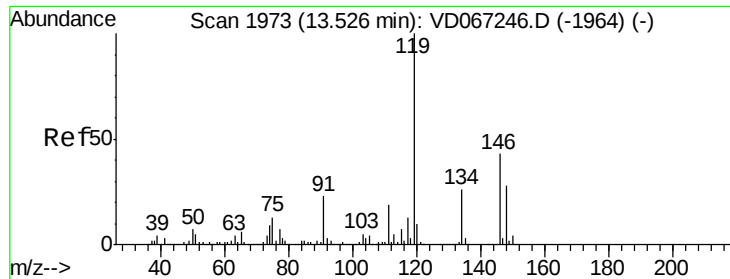
Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

91 24.0 11.9 35.9





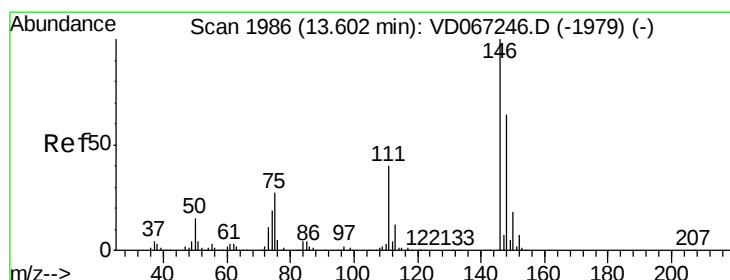
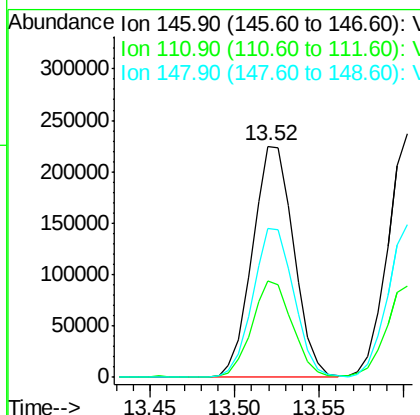
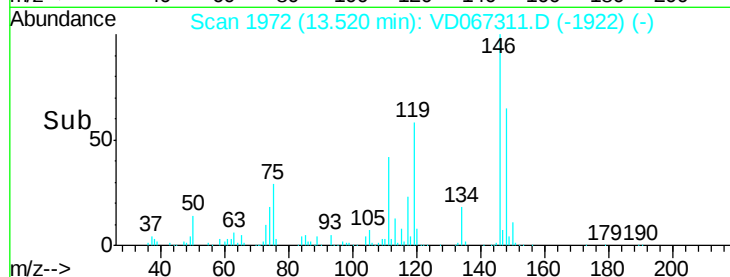
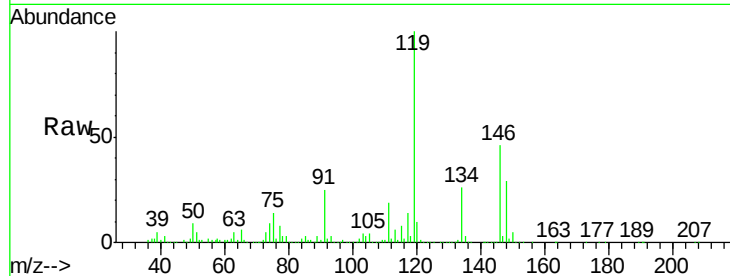
#87
 1,3-Dichlorobenzene
 Concen: 50.331 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.3	21.1	63.3
148	64.3	31.9	95.9

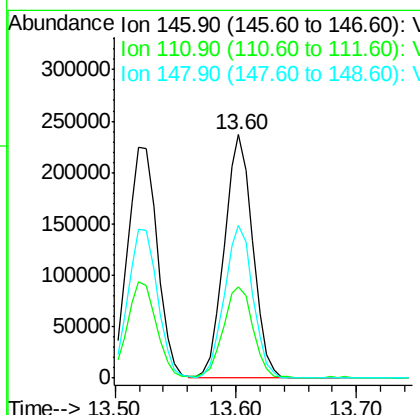
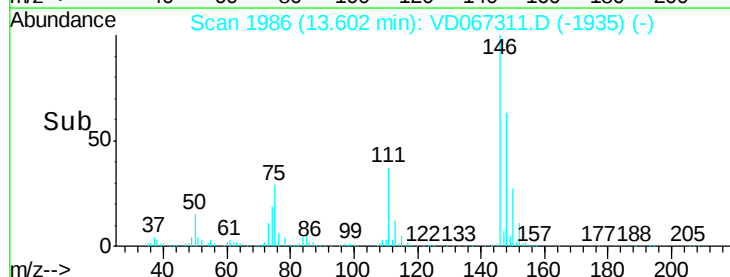
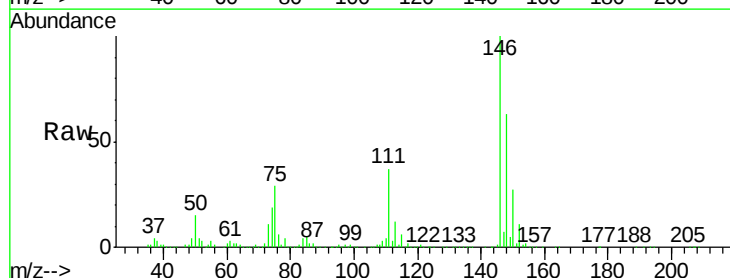
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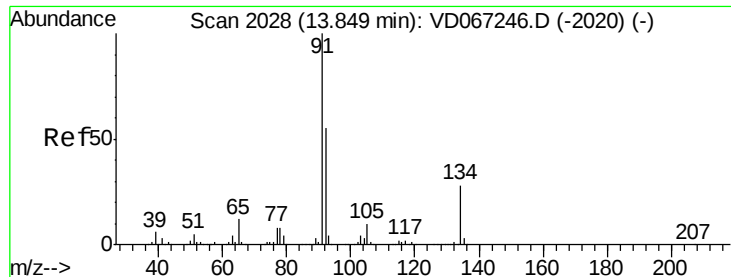
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#88
 1,4-Dichlorobenzene
 Concen: 51.339 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.7
148	63.3	31.9	95.9





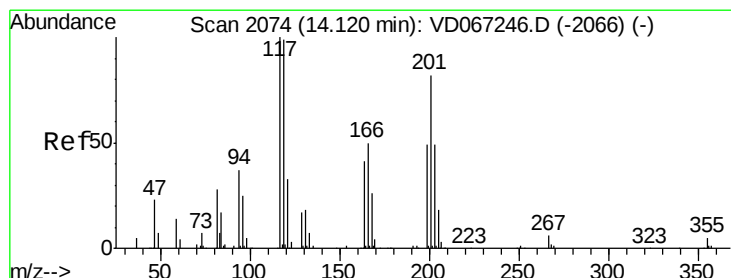
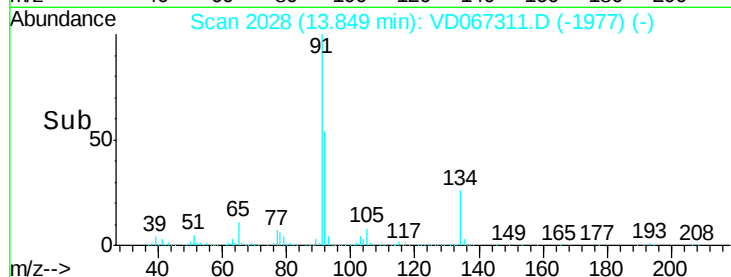
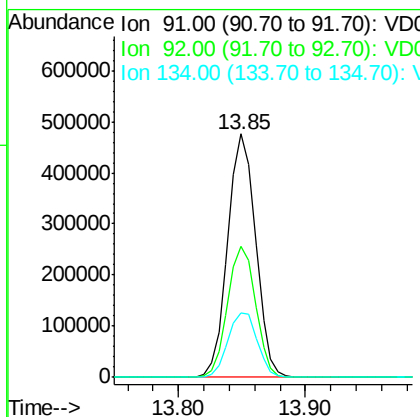
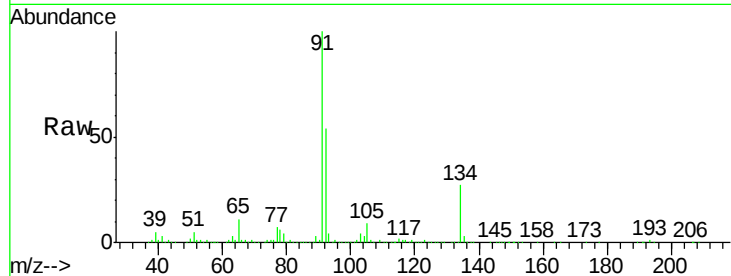
#89
n-Butylbenzene
Concen: 54.615 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.4	26.7	80.0
134	28.1	14.2	42.6

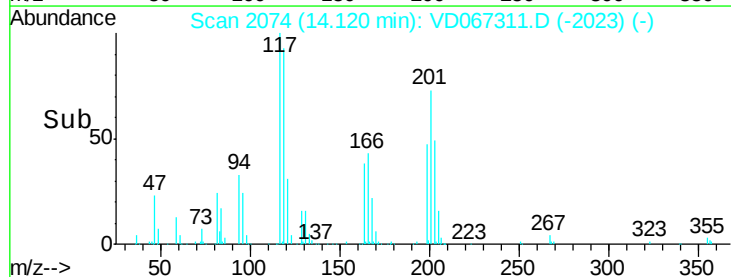
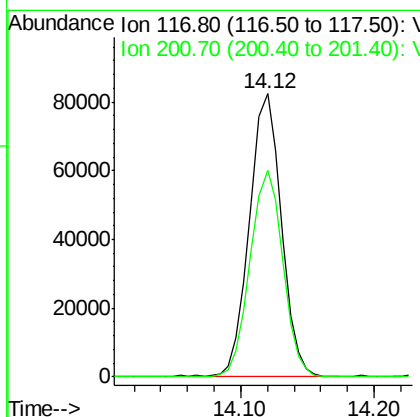
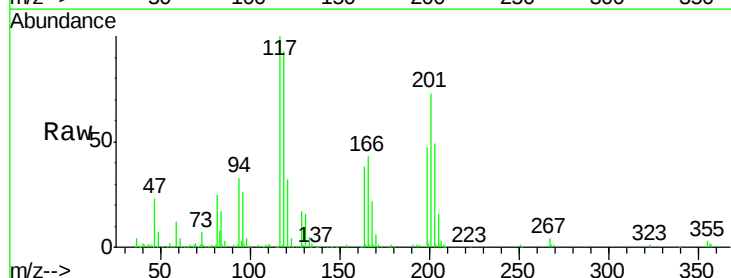
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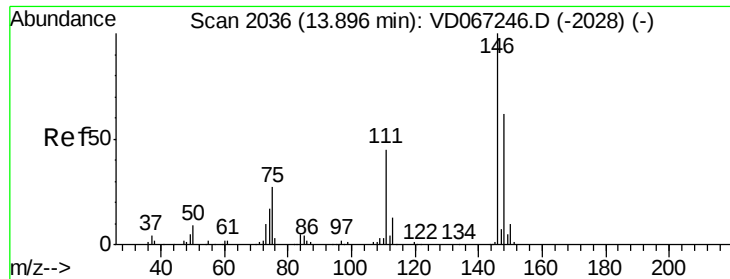
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#90
Hexachloroethane
Concen: 51.910 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067311.D
Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Lower	Upper
117	100		
201	74.7	40.8	122.2





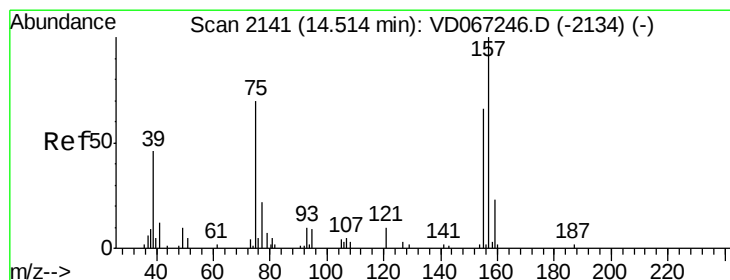
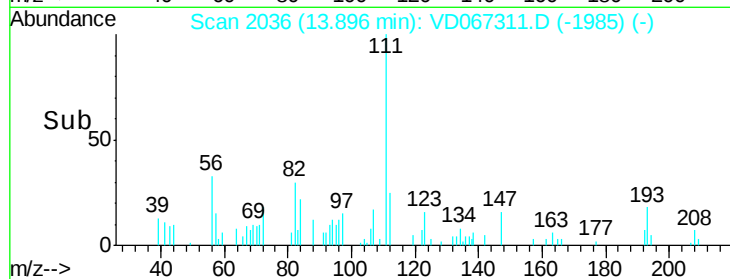
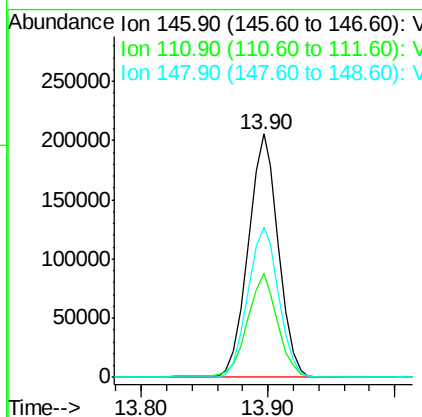
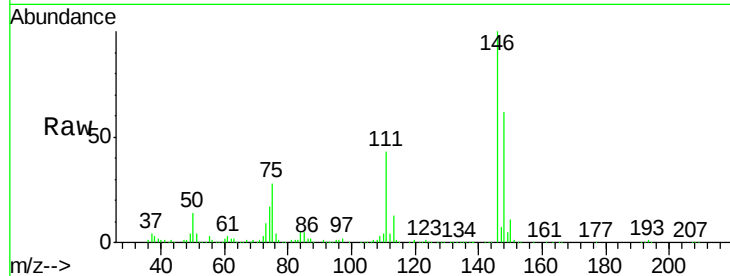
#91
 1,2-Dichlorobenzene
 Concen: 51.139 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	42.4	22.0	66.0	
148	63.3	32.5	97.5	

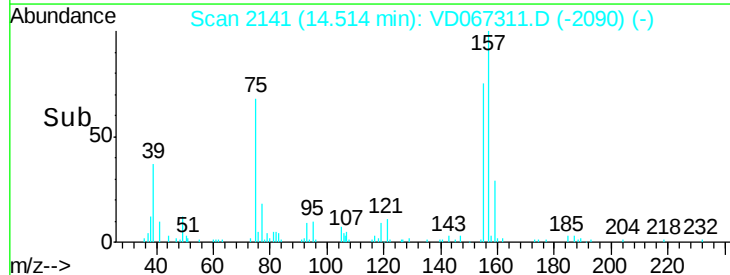
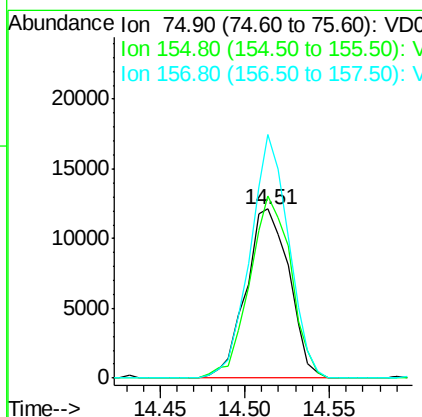
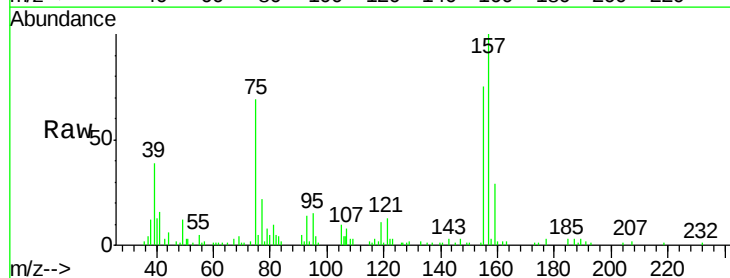
Manual Integrations
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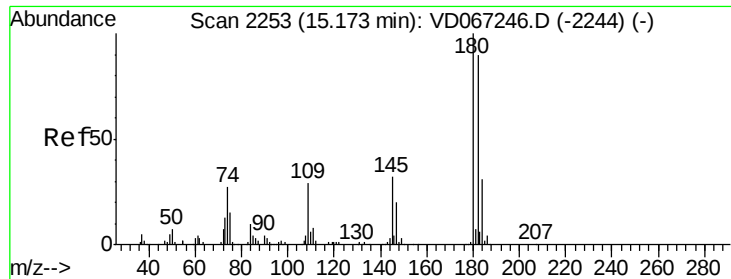
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.039 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
155	103.1	44.8	134.4	
157	128.8	62.5	187.4	





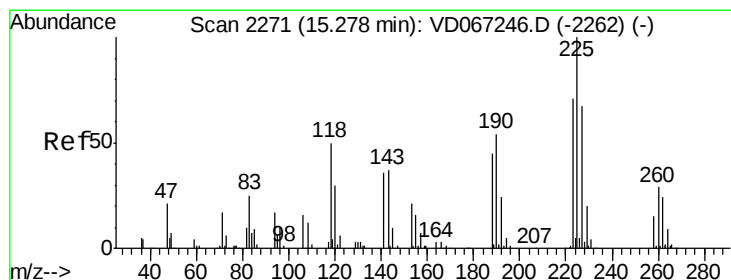
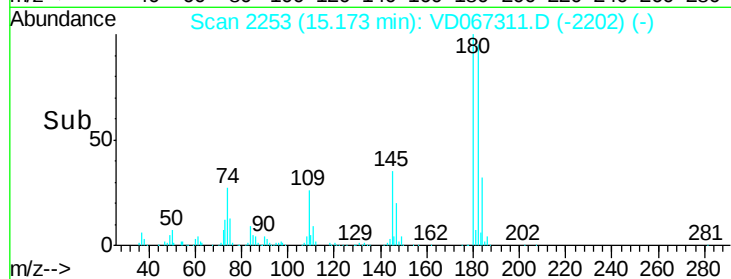
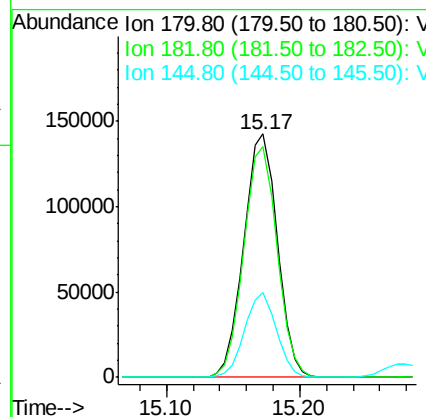
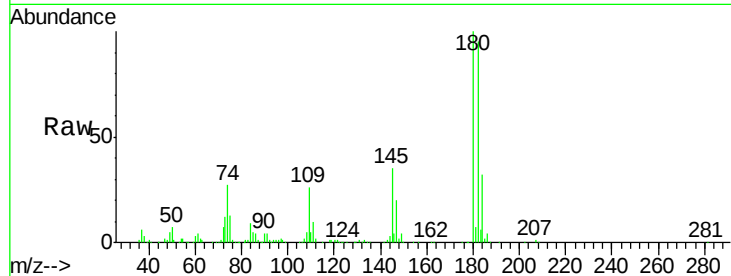
#93
 1,2,4-Trichlorobenzene
 Concen: 55.508 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	248013		
182	94.1		48.1	144.4
145	33.2		16.3	48.9

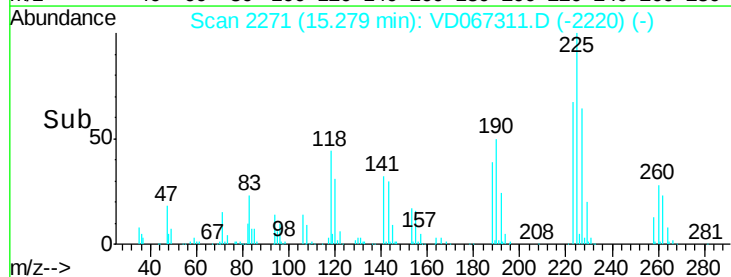
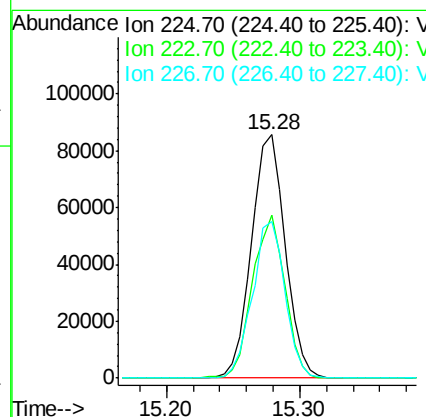
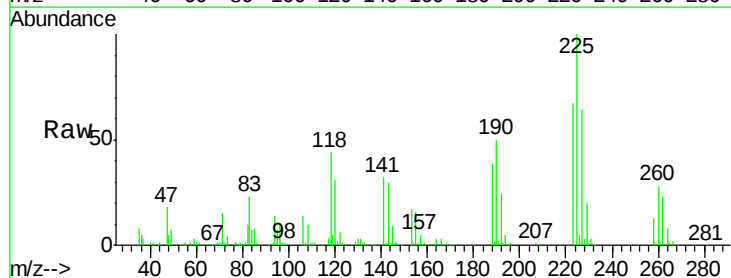
Manual Integrations
 APPROVED

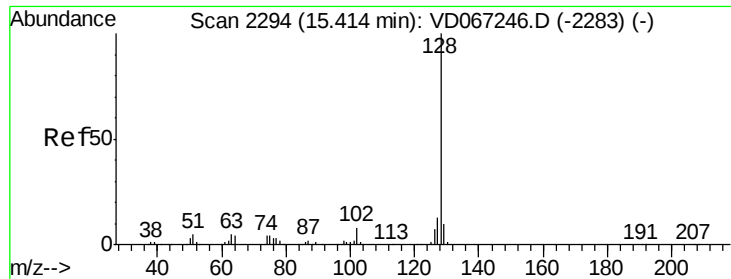
MMDadoda
 10/20/2020 4:51:09 PM



#94
 Hexachlorobutadiene
 Concen: 53.782 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067311.D
 Acq: 19 Oct 2020 16:45

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	149223		
223	64.3		31.9	95.7
227	62.1		31.2	93.6





#95

Naphthalene

Concen: 58.749 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Instrument :

MSVOA_D

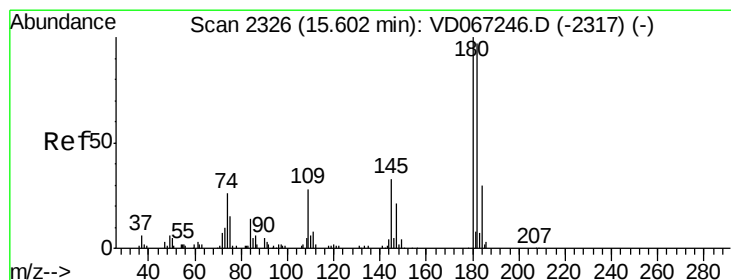
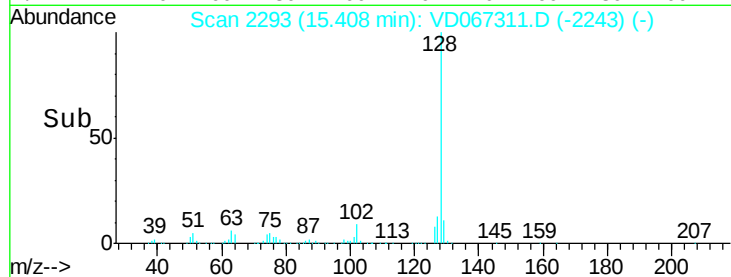
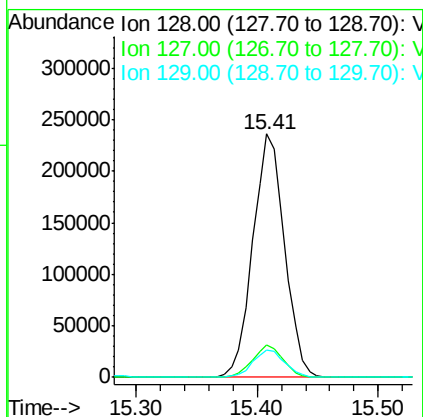
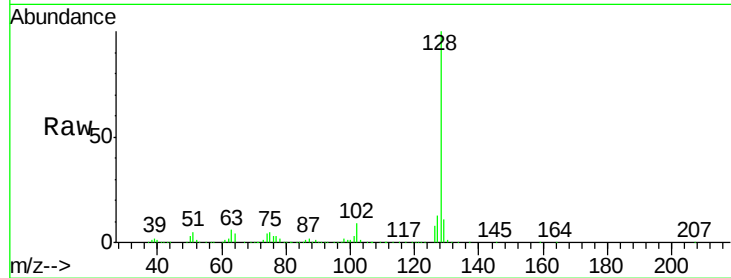
ClientSampleId :

VSTDCCC050EC

Tot Ion:	128	Resp:	430966
Ion Ratio	Lower	Upper	
128	100		
127	12.8	10.4	15.6
129	11.4	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/20/2020 4:51:09 PM



#96

1,2,3-Trichlorobenzene

Concen: 55.944 ug/l

RT: 15.60 min Scan# 2326

Delta R.T. 0.00 min

Lab File: VD067311.D

Acq: 19 Oct 2020 16:45

Tgt Ion:	180	Resp:	215942
Ion Ratio	Lower	Upper	
180	100		
182	93.0	48.1	144.3
145	32.9	17.3	51.9

