

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110920\
 Data File : VD067557.D
 Acq On : 09 Nov 2020 11:18
 Operator : VA/SY
 Sample : VD1109SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/10/2020 1:11:48 PM

Quant Time: Nov 10 00:36:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	297448	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	429336	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	393272	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	198000	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	124185	47.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.50%	
35) Dibromofluoromethane	7.91	113	127799	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	
50) Toluene-d8	10.34	98	446187	49.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.16%	
62) 4-Bromofluorobenzene	12.64	95	159581	50.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.70%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	63859	24.173	ug/l	98
3) Chloromethane	2.21	50	37714	20.361	ug/l	99
4) Vinyl Chloride	2.35	62	41841	20.261	ug/l	94
5) Bromomethane	2.76	94	32579	19.464	ug/l	99
6) Chloroethane	2.92	64	25933	20.369	ug/l #	82
7) Trichlorofluoromethane	3.27	101	116430	21.774	ug/l	92
8) Diethyl Ether	3.70	74	22570	20.948	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	60863	22.550	ug/l	99
10) Methyl Iodide	4.30	142	52362	18.101	ug/l	96
11) Tert butyl alcohol	5.20	59	16383m	137.044	ug/l	
12) 1,1-Dichloroethene	4.07	96	52800	21.268	ug/l	98
13) Acrolein	3.91	56	5112m	67.613	ug/l	
14) Allyl chloride	4.72	41	51626	19.430	ug/l	92
15) Acrylonitrile	5.41	53	40732	102.270	ug/l	98
16) Acetone	4.16	43	37677	96.805	ug/l	97
17) Carbon Disulfide	4.40	76	154987	20.373	ug/l	99
18) Methyl Acetate	4.72	43	17503	21.763	ug/l	96
19) Methyl tert-butyl Ether	5.47	73	106937	21.837	ug/l #	87
20) Methylene Chloride	4.97	84	64091	23.312	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	59881	20.708	ug/l	93
22) Diisopropyl ether	6.36	45	108089	20.875	ug/l	96
23) Vinyl Acetate	6.31	43	279748	103.214	ug/l	98
24) 1,1-Dichloroethane	6.26	63	87462	20.647	ug/l	98
25) 2-Butanone	7.21	43	42851	103.038	ug/l	100
26) 2,2-Dichloropropane	7.21	77	97294	21.763	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	63848	21.273	ug/l	95
28) Bromochloromethane	7.55	49	29325	19.462	ug/l	97
29) Tetrahydrofuran	7.56	42	25533	102.497	ug/l	97
30) Chloroform	7.71	83	109782	21.724	ug/l	100
31) Cyclohexane	7.99	56	76304	20.228	ug/l #	80
32) 1,1,1-Trichloroethane	7.90	97	113888	21.842	ug/l	99
36) 1,1-Dichloropropene	8.11	75	81172	22.087	ug/l	99
37) Ethyl Acetate	7.29	43	19945	20.904	ug/l #	94
38) Carbon Tetrachloride	8.10	117	110345	23.109	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	93180	21.542	ug/l	95
40) Benzene	8.35	78	217930	21.892	ug/l	97
41) Methacrylonitrile	7.53	41	12645	22.172	ug/l #	66
42) 1,2-Dichloroethane	8.43	62	68723	22.344	ug/l	97
43) Isopropyl Acetate	8.45	43	41135	21.800	ug/l	100
44) Trichloroethene	9.11	130	71896	21.965	ug/l	83
45) 1,2-Dichloropropane	9.39	63	48129	22.362	ug/l	100
46) Dibromomethane	9.48	93	30397	22.212	ug/l	99
47) Bromodichloromethane	9.67	83	84776	22.792	ug/l	92
48) Methyl methacrylate	9.46	41	21424	21.990	ug/l	98
49) 1,4-Dioxane	9.46	88	6341	456.432	ug/l	92
51) 4-Methyl-2-Pentanone	10.23	43	98189	108.805	ug/l	99
52) Toluene	10.41	92	151793	22.765	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	71954	22.587	ug/l	94
54) cis-1,3-Dichloropropene	10.09	75	83366	22.026	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	38918	21.494	ug/l	95
56) Ethyl methacrylate	10.67	69	38608	20.648	ug/l	99
57) 1,3-Dichloropropane	10.95	76	66082	22.680	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	92984	106.638	ug/l	100
59) 2-Hexanone	10.99	43	67988	107.750	ug/l	100
60) Dibromochloromethane	11.14	129	59799	22.326	ug/l	97
61) 1,2-Dibromoethane	11.25	107	38758	21.328	ug/l	100
64) Tetrachloroethene	10.88	164	65110	22.355	ug/l	97
65) Chlorobenzene	11.67	112	167282	22.082	ug/l	94
66) 1,1,1,2-Tetrachloroethane	11.75	131	65724	22.013	ug/l	98
67) Ethyl Benzene	11.75	91	293297	22.625	ug/l	99
68) m/p-Xylenes	11.86	106	231056	45.815	ug/l	99
69) o-Xylene	12.18	106	104997	23.319	ug/l	96
70) Styrene	12.20	104	176049	22.438	ug/l	99
71) Bromoform	12.36	173	33862	22.237	ug/l #	93
73) Isopropylbenzene	12.48	105	288978	22.583	ug/l	99
74) N-amyl acetate	12.29	43	35450	21.054	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	35711	20.466	ug/l	93
76) 1,2,3-Trichloropropane	12.79	75	22579m	18.903	ug/l	
77) Bromobenzene	12.76	156	69732	22.189	ug/l	96
78) n-propylbenzene	12.83	91	334707	22.867	ug/l	100
79) 2-Chlorotoluene	12.91	91	190045	22.857	ug/l	97
80) 1,3,5-Trimethylbenzene	12.96	105	247155	22.610	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	12562	21.352	ug/l	97
82) 4-Chlorotoluene	13.01	91	203269	22.795	ug/l	100
83) tert-Butylbenzene	13.23	119	208656	22.522	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	249962	22.972	ug/l	99
85) sec-Butylbenzene	13.40	105	281659	22.521	ug/l	97
86) p-Isopropyltoluene	13.52	119	278624	23.070	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	136479	22.759	ug/l	100
88) 1,4-Dichlorobenzene	13.60	146	136297	22.447	ug/l	99
89) n-Butylbenzene	13.84	91	238397	22.853	ug/l	99
90) Hexachloroethane	14.11	117	51243	22.531	ug/l	95
91) 1,2-Dichlorobenzene	13.89	146	114834	22.127	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6339	20.518	ug/l	87

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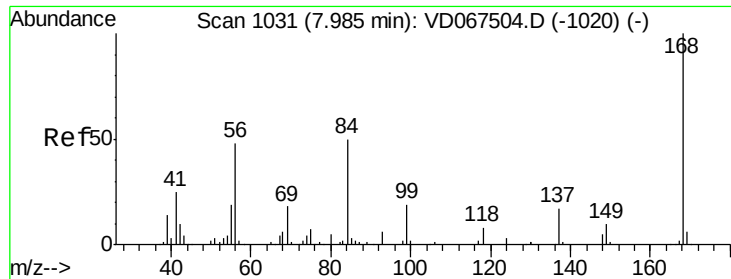
Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	77887	22.112	ug/l	99
94) Hexachlorobutadiene	15.27	225	51936	22.030	ug/l	98
95) Naphthalene	15.40	128	116470	21.426	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	65964	21.869	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion:168 Resp: 297448

Ion Ratio Lower Upper

168 100

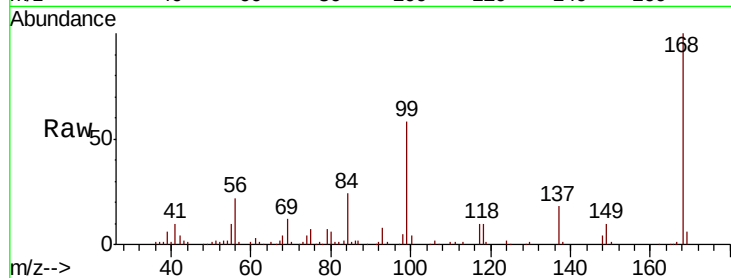
99 57.3 45.0 67.6

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

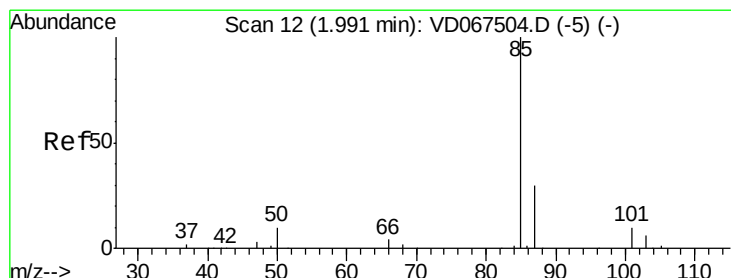
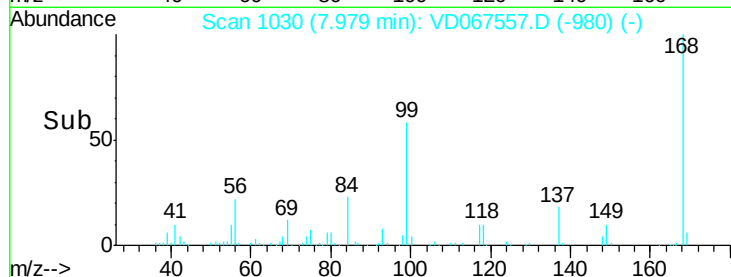
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 24.173 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067557.D

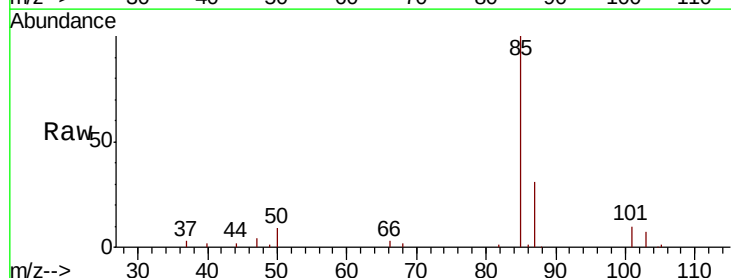
Acq: 09 Nov 2020 11:18

Tgt Ion: 85 Resp: 63859

Ion Ratio Lower Upper

85 100

87 31.5 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

30000

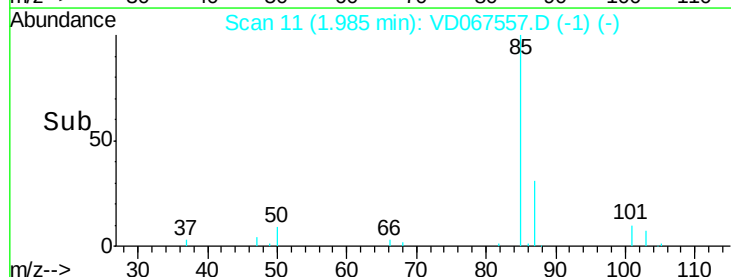
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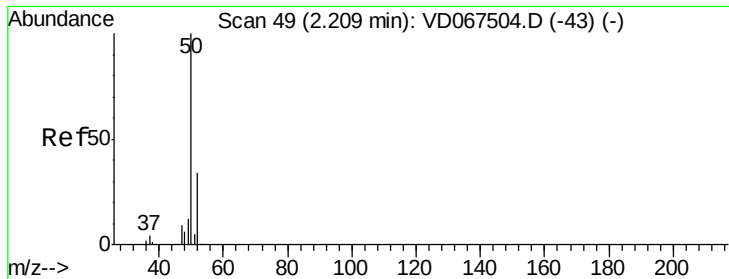
10000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 20.361 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 50 Resp: 37714

Ion Ratio Lower Upper

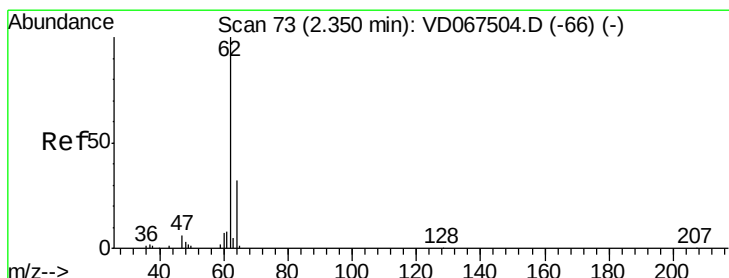
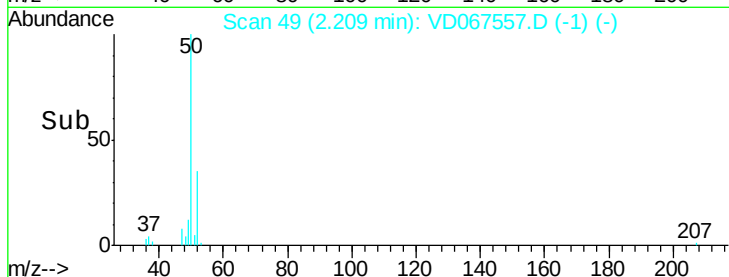
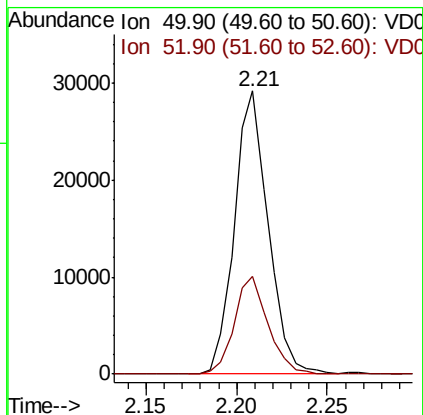
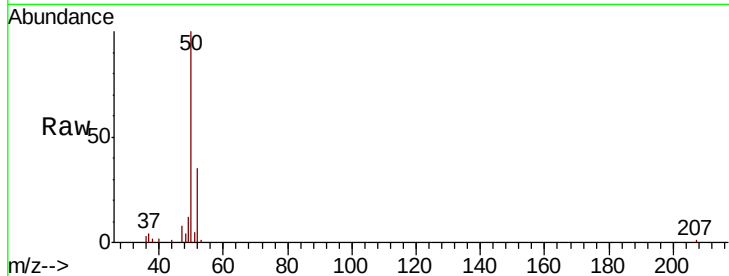
50 100

52 34.6 27.3 40.9

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#4

Vinyl Chloride

Concen: 20.261 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067557.D

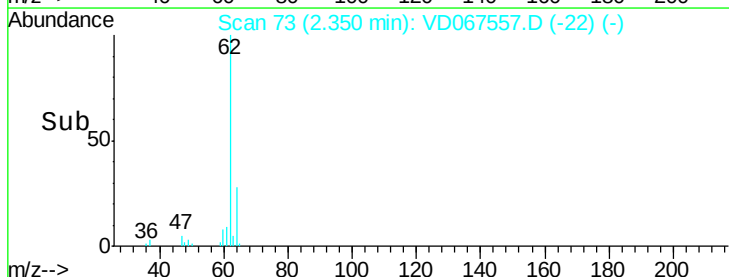
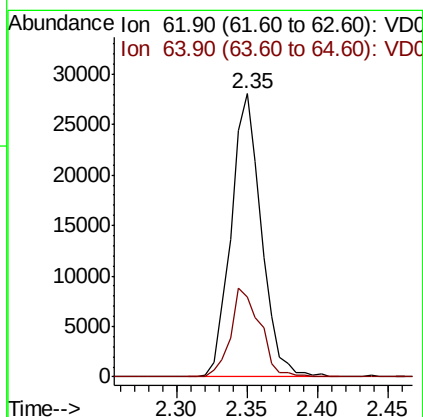
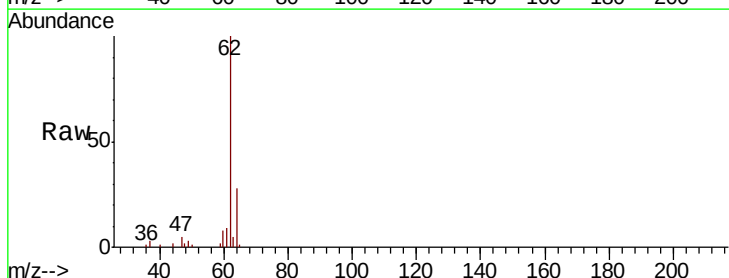
Acq: 09 Nov 2020 11:18

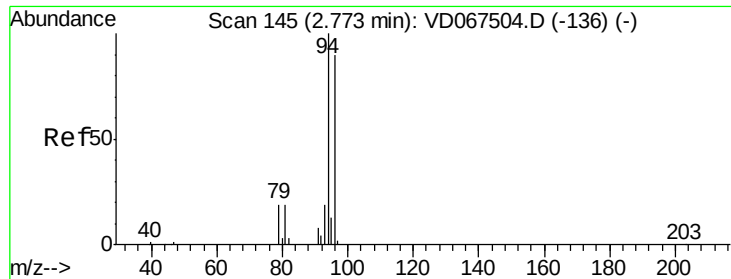
Tgt Ion: 62 Resp: 41841

Ion Ratio Lower Upper

62 100

64 28.4 25.6 38.4





#5

Bromomethane

Concen: 19.464 ug/l

RT: 2.76 min Scan# 142

Delta R.T. -0.02 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 94 Resp: 32579

Ion Ratio Lower Upper

94 100

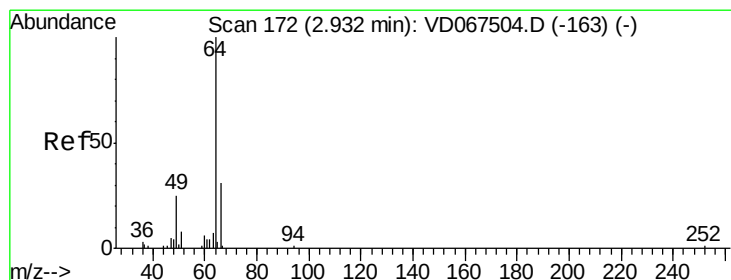
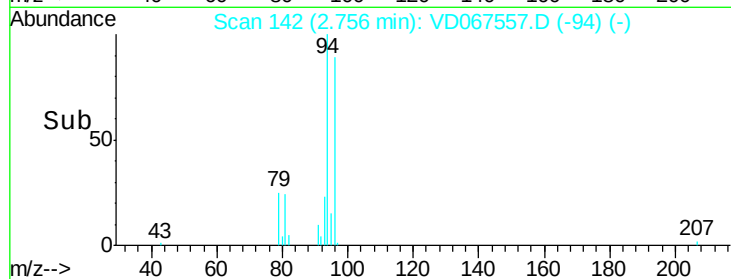
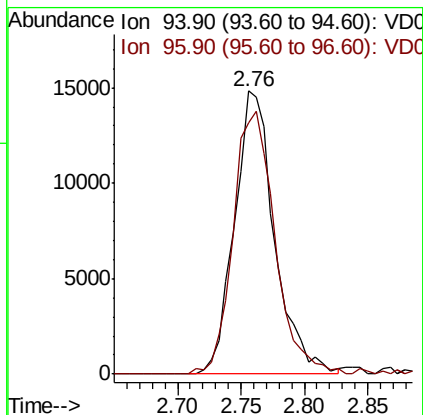
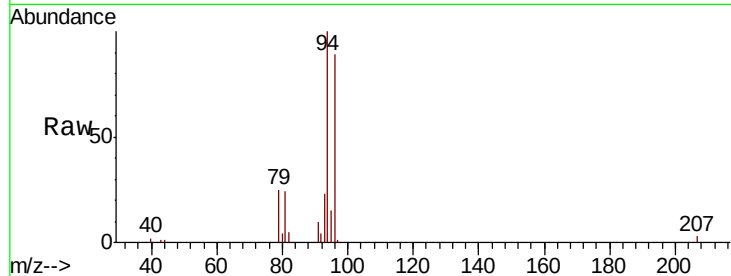
96 88.8 72.2 108.2

Manual Integrations

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#6

Chloroethane

Concen: 20.369 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067557.D

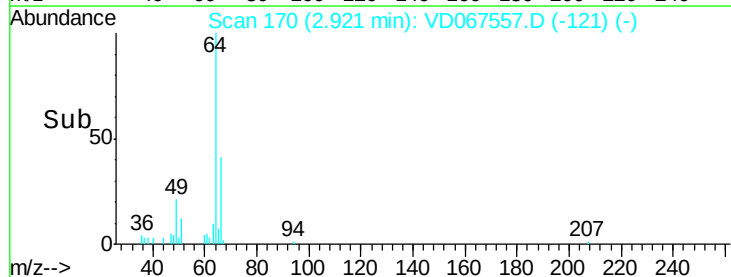
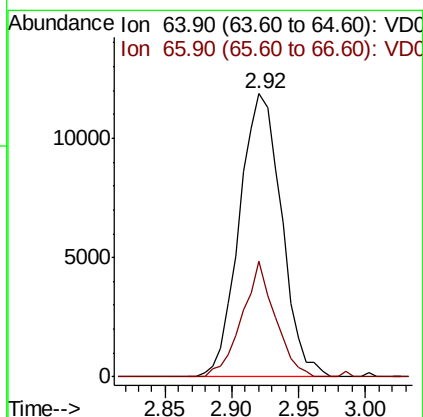
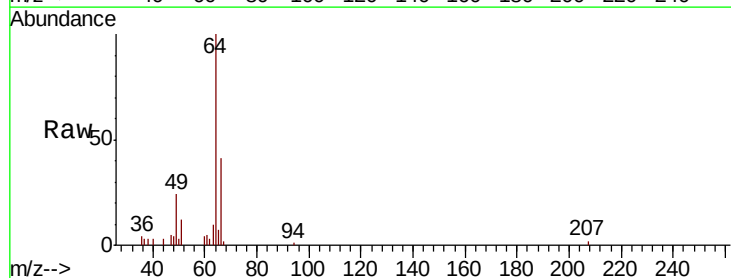
Acq: 09 Nov 2020 11:18

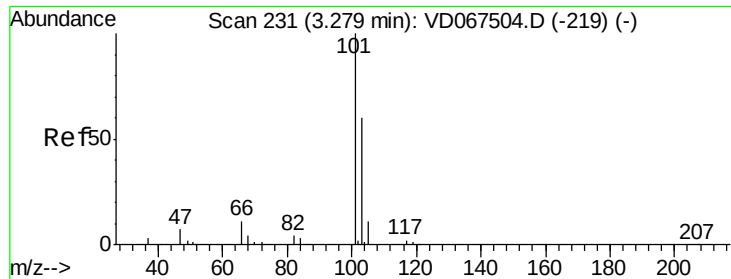
Tgt Ion: 64 Resp: 25933

Ion Ratio Lower Upper

64 100

66 40.7 24.6 36.8#





#7

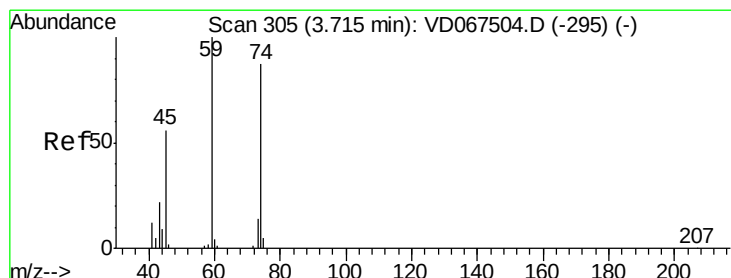
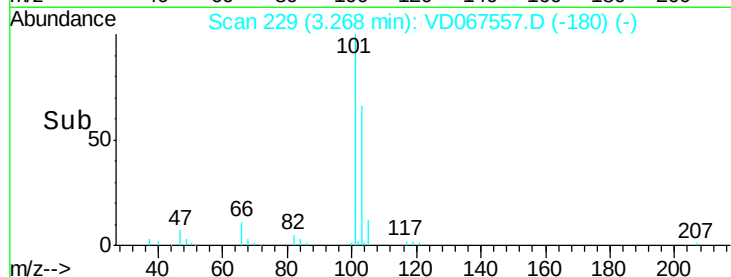
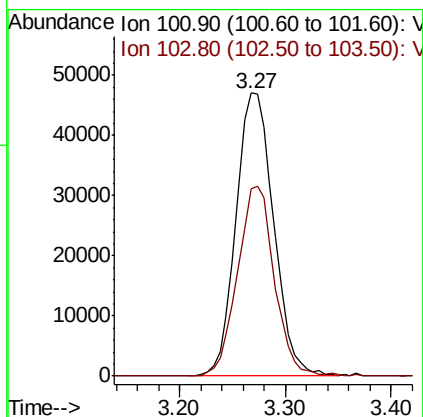
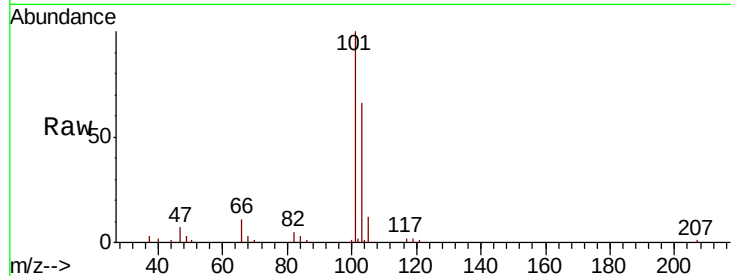
Trichlorofluoromethane
Concen: 21.774 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
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VD1109SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		116430		
103	66.1	48.1	72.1		

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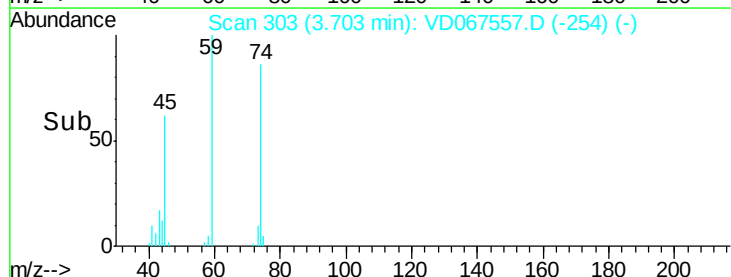
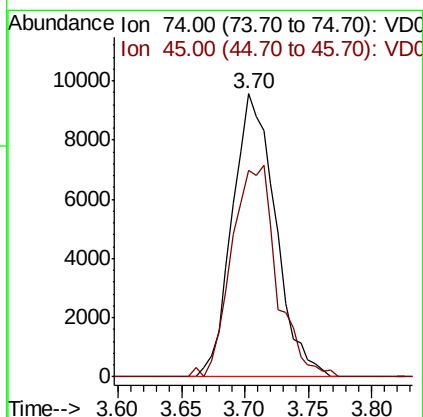
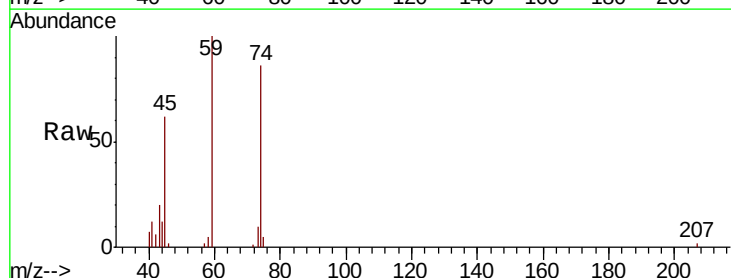
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11/10/2020 1:11:48 PM

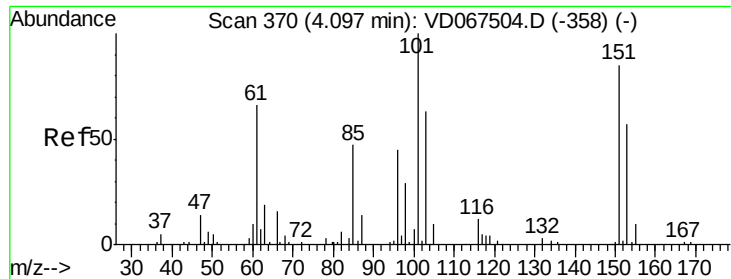


#8

Diethyl Ether
Concen: 20.948 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		22570		
45	78.3	38.2	114.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.550 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

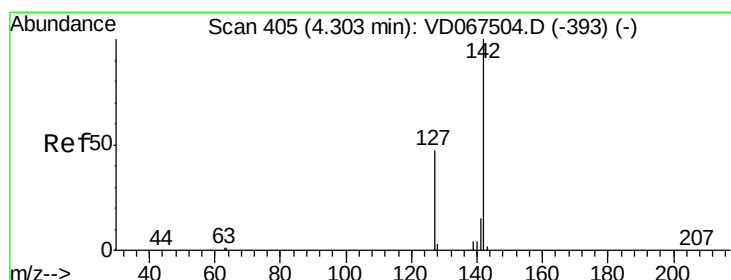
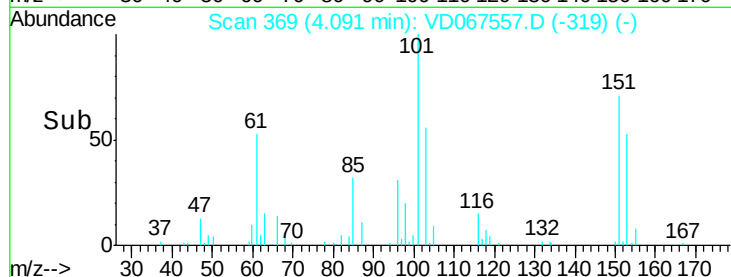
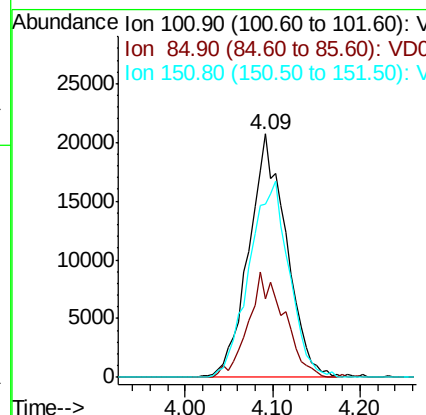
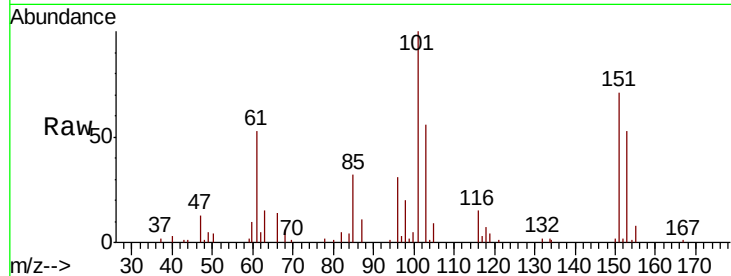
ClientSampleId :

VD1109SBS01

Tot Ion:	101	Resp:	60863
Ion Ratio	Lower	Upper	
101	100		
85	41.4	34.4	51.6
151	85.7	68.1	102.1

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#10

Methyl Iodide

Concen: 18.101 ug/l

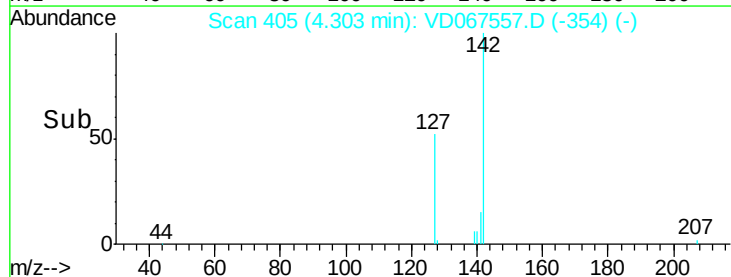
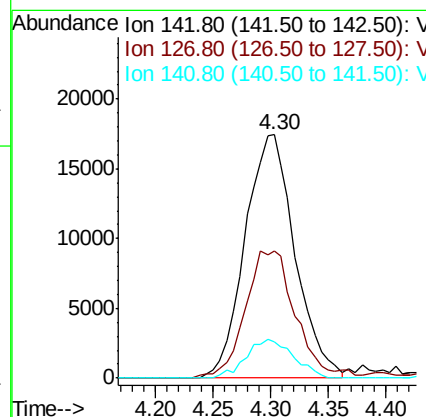
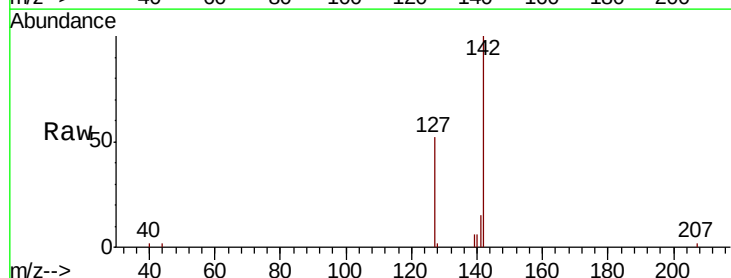
RT: 4.30 min Scan# 405

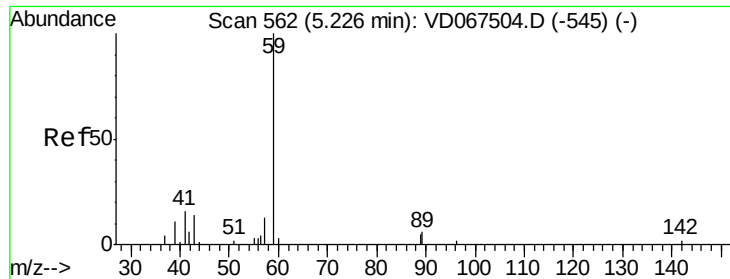
Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Tgt Ion:	142	Resp:	52362
Ion Ratio	Lower	Upper	
142	100		
127	52.9	40.0	60.0
141	15.2	11.7	17.5





#11

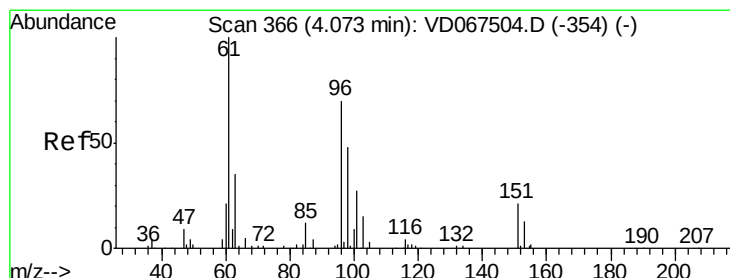
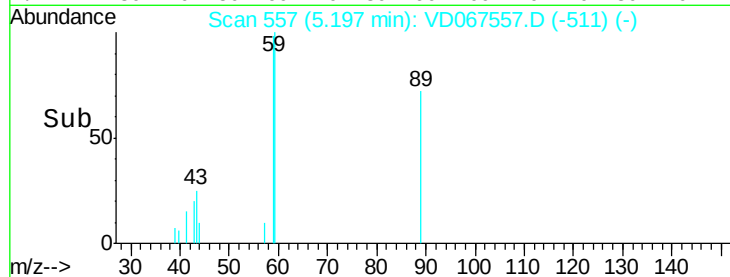
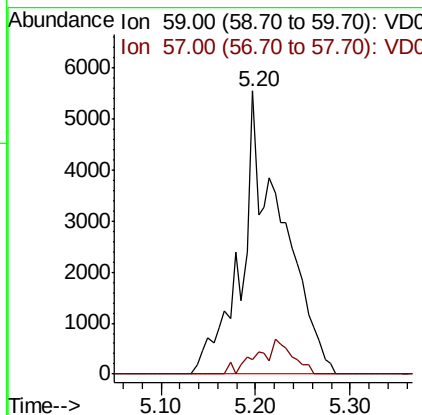
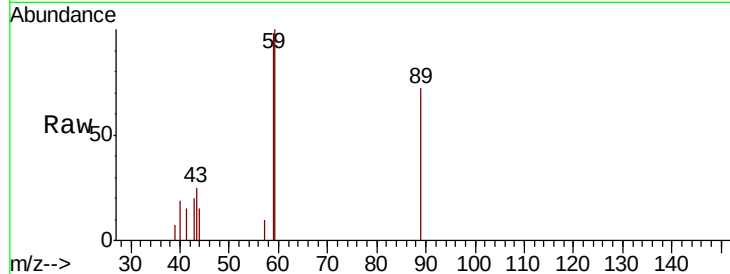
Tert butyl alcohol
 Concen: 137.044 ug/l m
 RT: 5.20 min Scan# 557
 Delta R.T. -0.03 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion: 59 Resp: 16383
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

Manual Integrations
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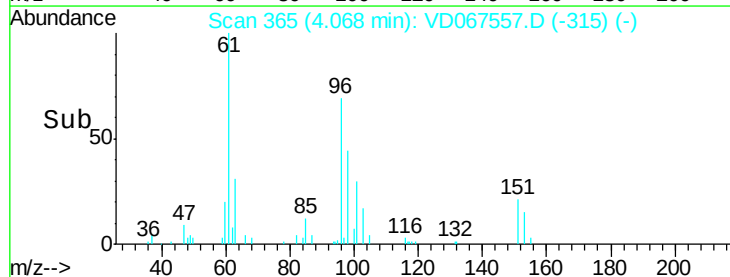
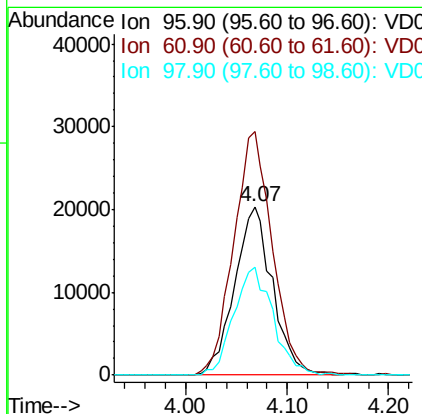
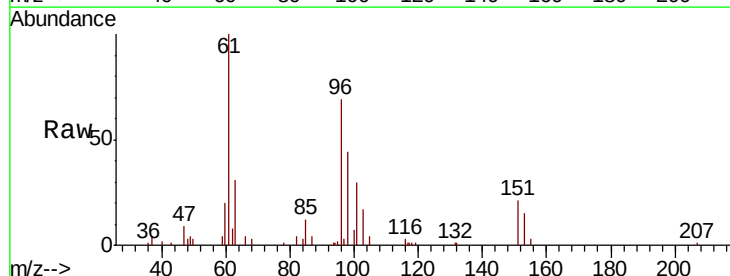
MMDadoda
 11/10/2020 1:11:48 PM

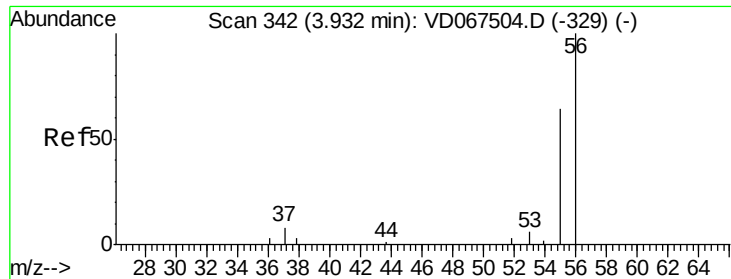


#12

1,1-Dichloroethene
 Concen: 21.268 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion: 96 Resp: 52800
 Ion Ratio Lower Upper
 96 100
 61 144.4 114.5 171.7
 98 63.7 54.5 81.7





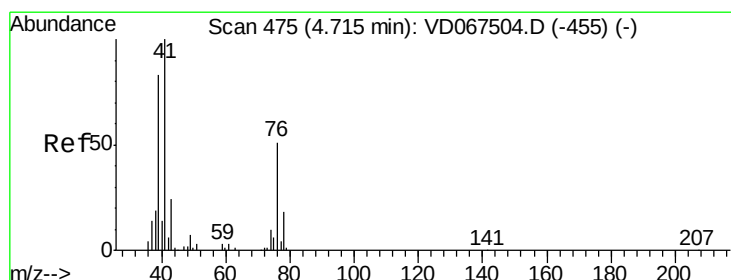
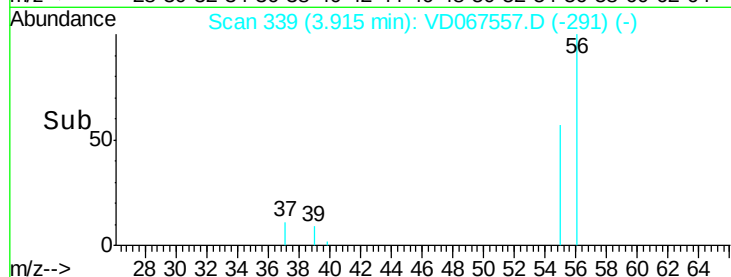
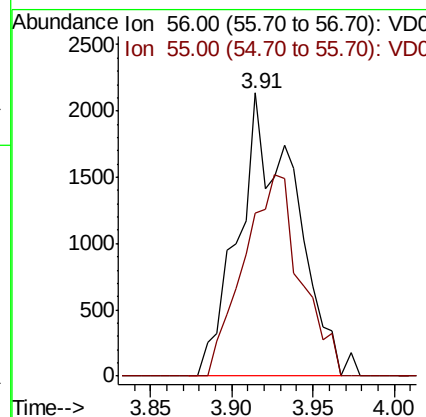
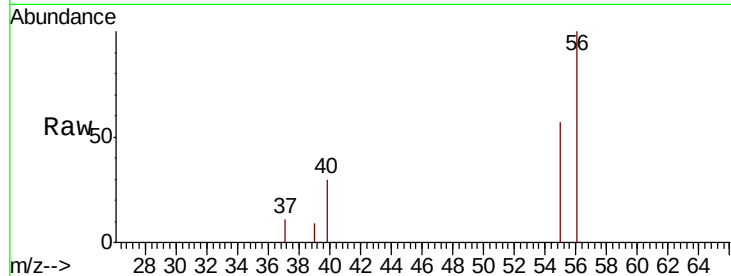
#13
Acrolein
Concen: 67.613 ug/l m
RT: 3.91 min Scan# 339
Delta R.T. -0.02 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	56	Resp	5112
Ion Ratio	100	Lower	Upper
56	100		
55	72.1	55.8	83.8

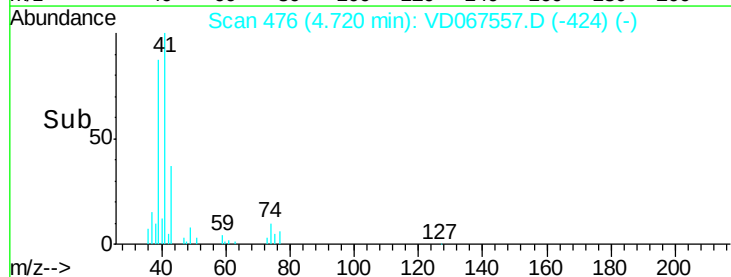
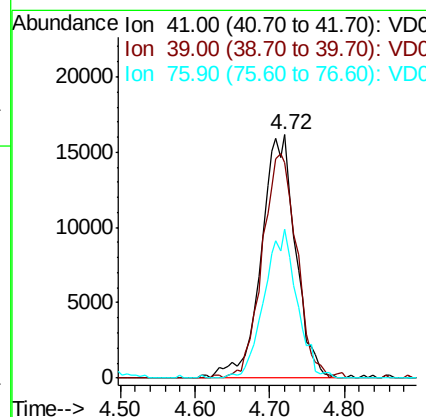
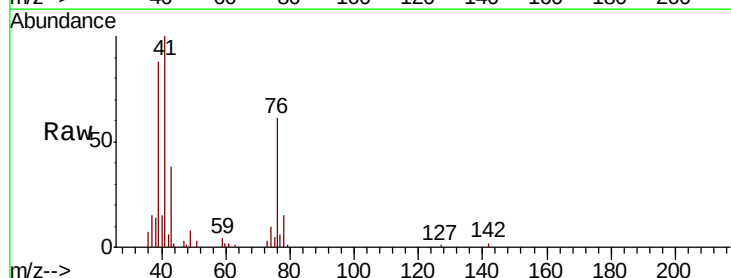
Manual Integrations
APPROVED

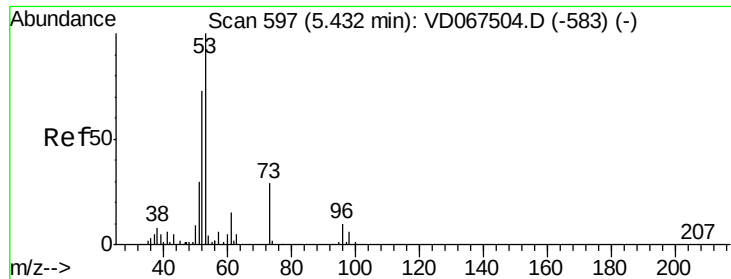
MMDadoda
11/10/2020 1:11:48 PM



#14
Allyl chloride
Concen: 19.430 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	41	Resp	51626
Ion Ratio	100	Lower	Upper
41	100		
39	91.8	67.4	101.0
76	58.0	42.2	63.2





#15

Acrylonitrile

Concen: 102.270 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

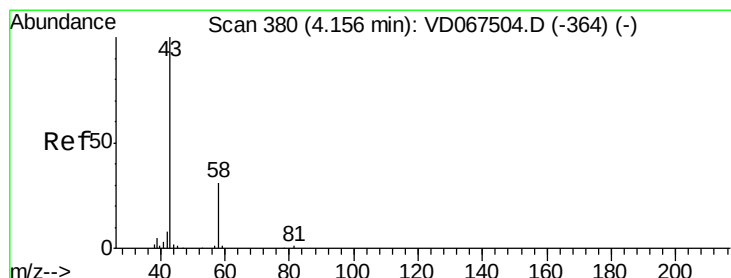
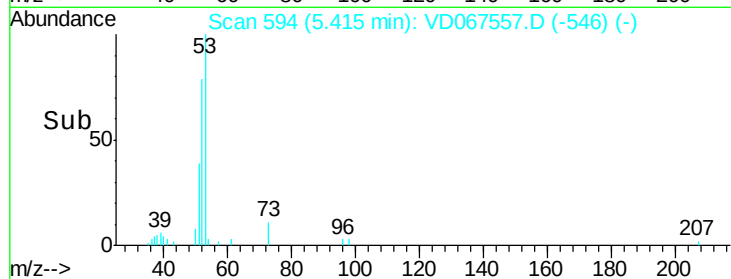
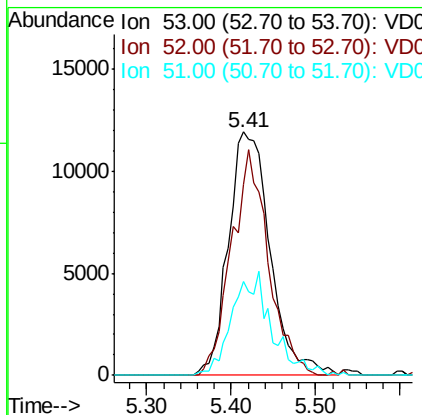
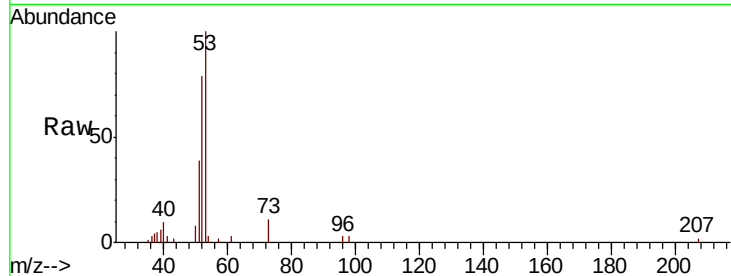
ClientSampleId :

VD1109SBS01

Tot Ion:	53	Resp:	40732
Ion	Ratio	Lower	Upper
53	100		
52	82.1	64.8	97.2
51	39.7	29.5	44.3

Manual Integrations
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11/10/2020 1:11:48 PM



#16

Acetone

Concen: 96.805 ug/l

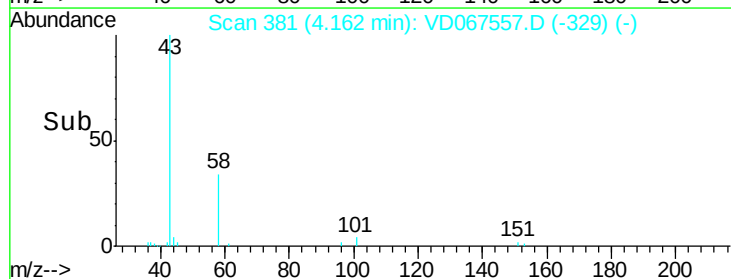
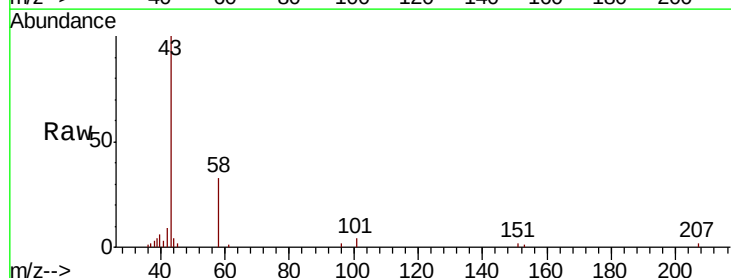
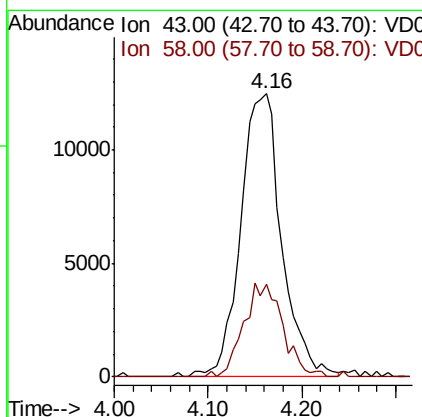
RT: 4.16 min Scan# 381

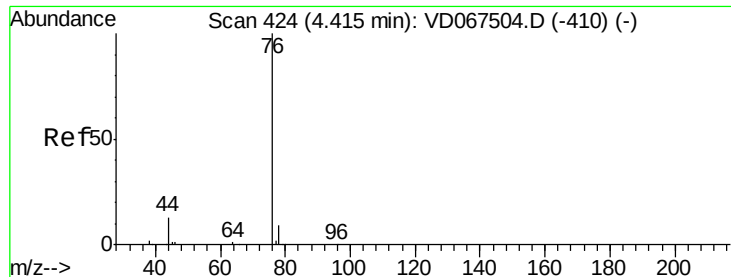
Delta R.T. 0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Tgt Ion:	43	Resp:	37677
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.2	37.8





#17

Carbon Disulfide

Concen: 20.373 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 76 Resp: 154987

Ion Ratio Lower Upper

76 100

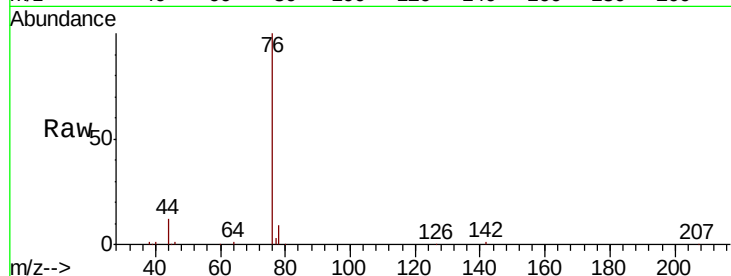
78 8.5 7.2 10.8

Manual Integrations

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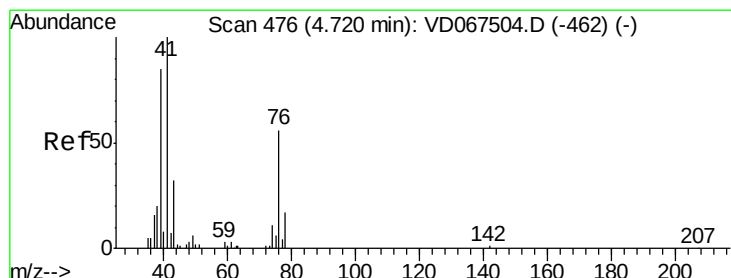
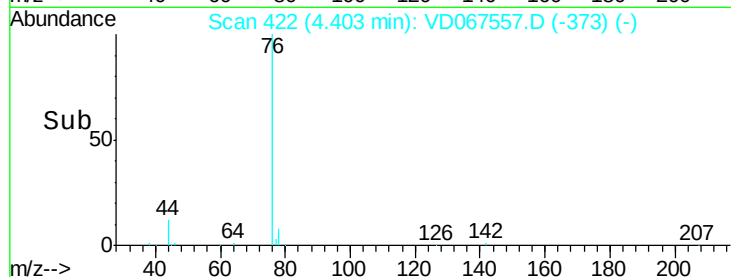
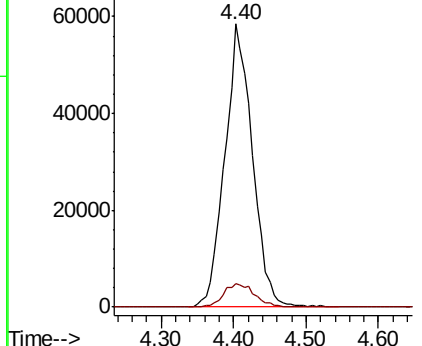
MMDadoda

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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 21.763 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067557.D

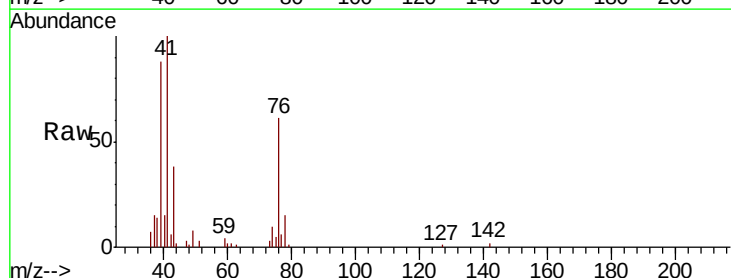
Acq: 09 Nov 2020 11:18

Tgt Ion: 43 Resp: 17503

Ion Ratio Lower Upper

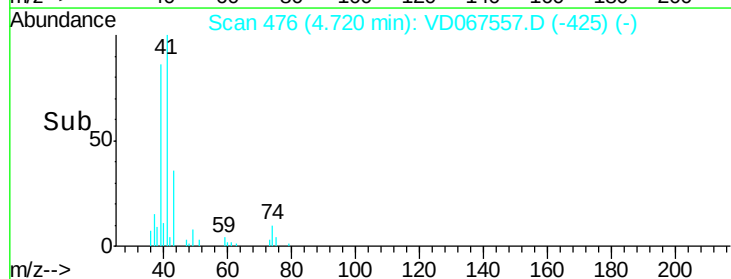
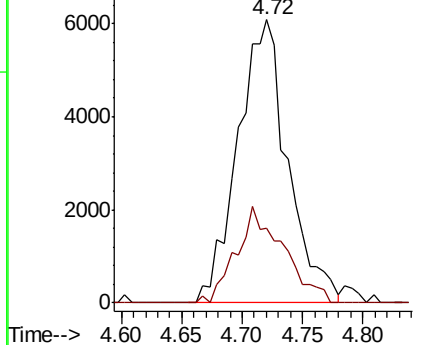
43 100

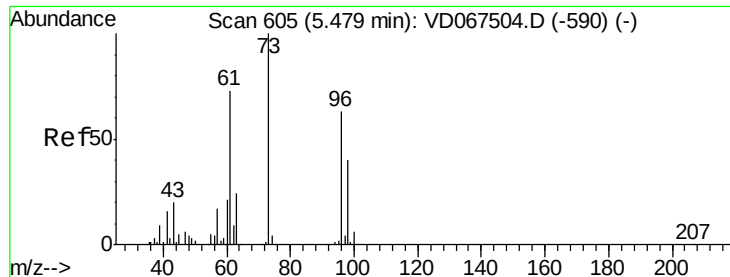
74 31.8 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





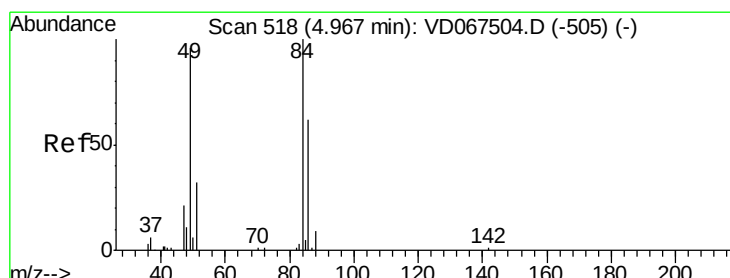
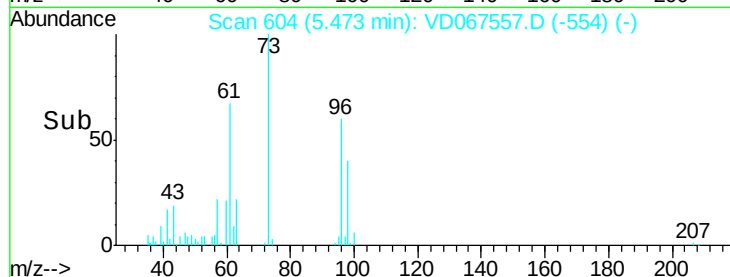
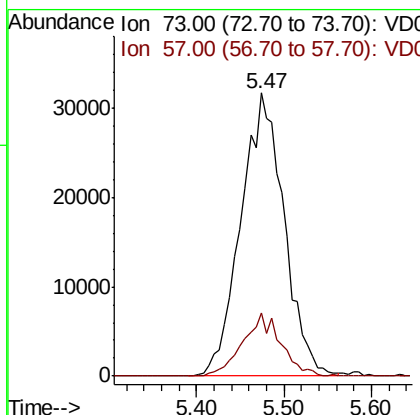
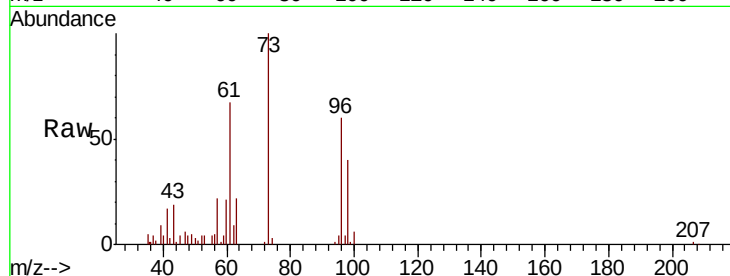
#19
Methyl tert-butyl Ether
Concen: 21.837 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion: 73 Resp: 106937
Ion Ratio Lower Upper
73 100
57 22.3 13.4 20.0#

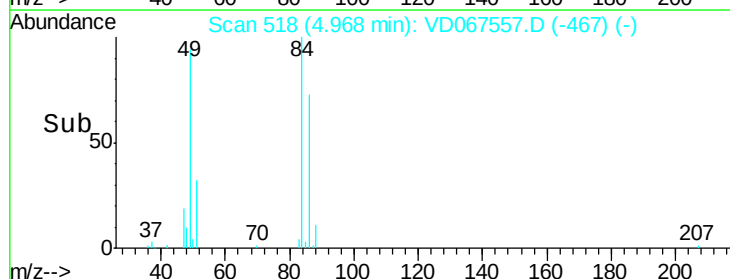
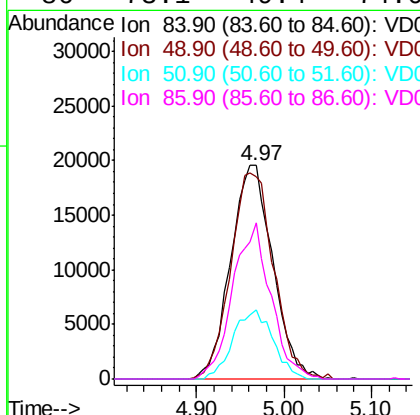
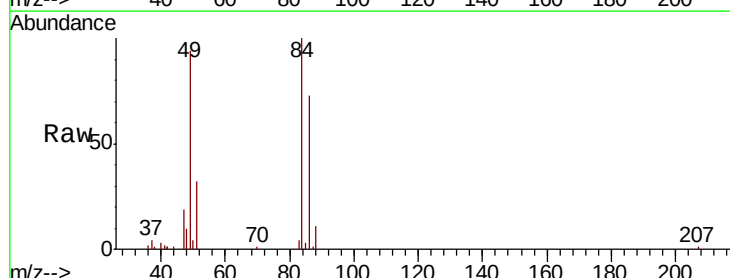
Manual Integrations
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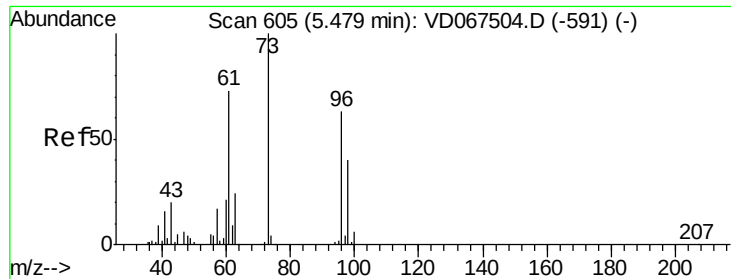
MMDadoda
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#20
Methylene Chloride
Concen: 23.312 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion: 84 Resp: 64091
Ion Ratio Lower Upper
84 100
49 94.4 77.0 115.4
51 32.3 25.4 38.2
86 73.1 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 20.708 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

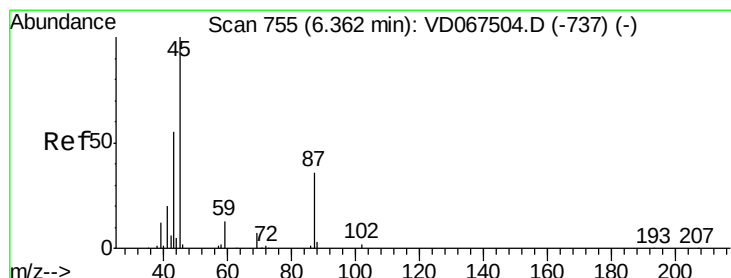
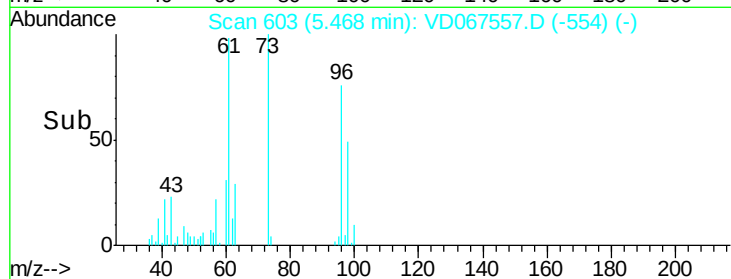
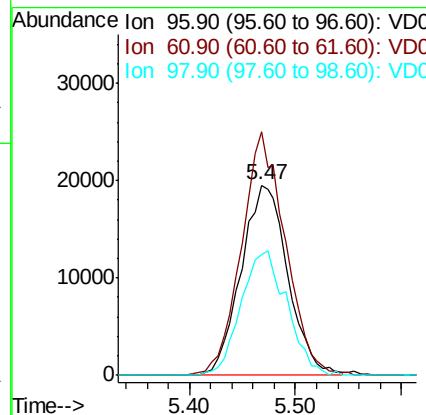
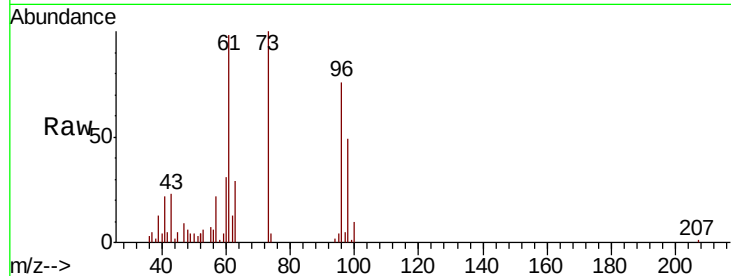
ClientSampleId :

VD1109SBS01

Tot Ion:	96	Resp:	59881
Ion	Ratio	Lower	Upper
96	100		
61	127.3	93.0	139.6
98	63.4	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.875 ug/l

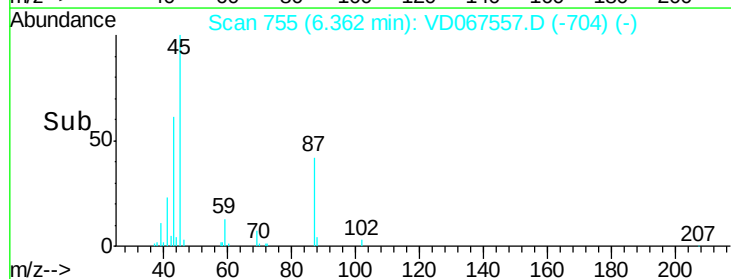
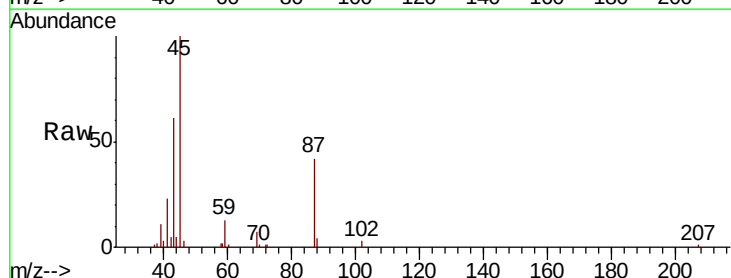
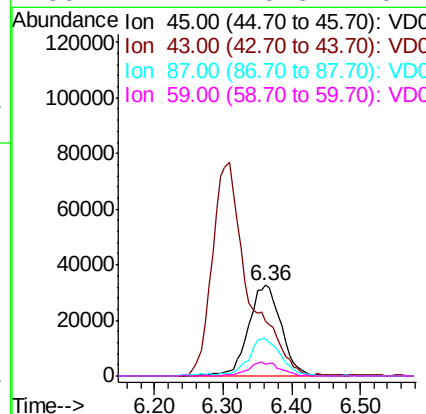
RT: 6.36 min Scan# 755

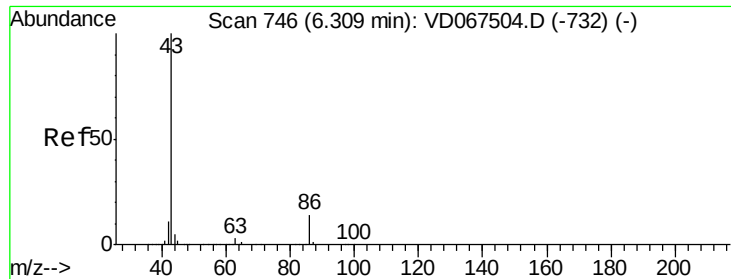
Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Tgt Ion:	45	Resp:	108089
Ion	Ratio	Lower	Upper
45	100		
43	59.9	46.2	69.4
87	41.2	29.4	44.2
59	12.7	10.8	16.2





#23

Vinyl Acetate

Concen: 103.214 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 43 Resp: 279748

Ion Ratio Lower Upper

43 100

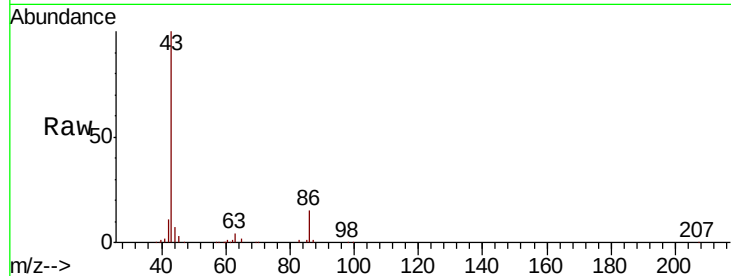
86 15.4 11.6 17.4

Manual Integrations

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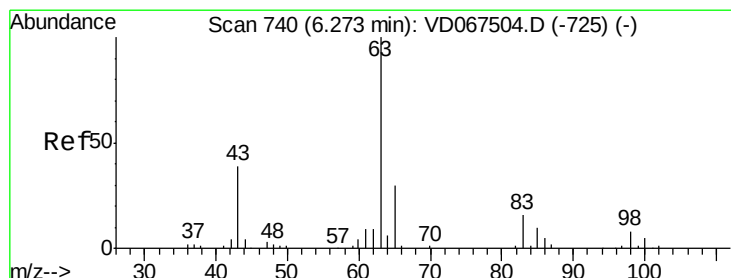
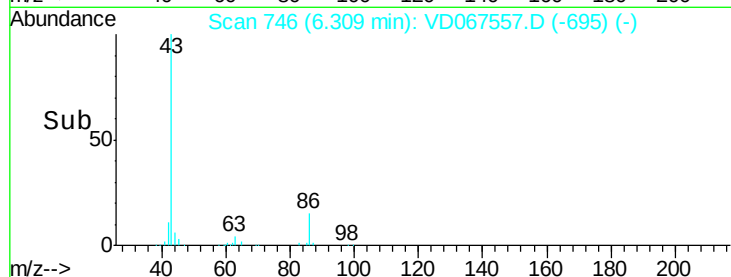
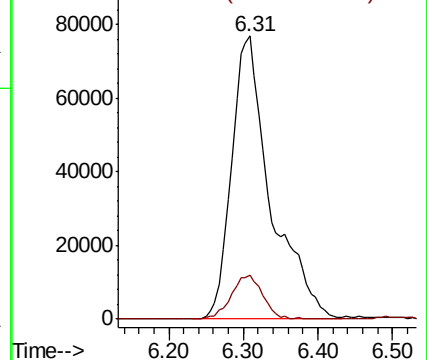
MMDadoda

11/10/2020 1:11:48 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.647 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

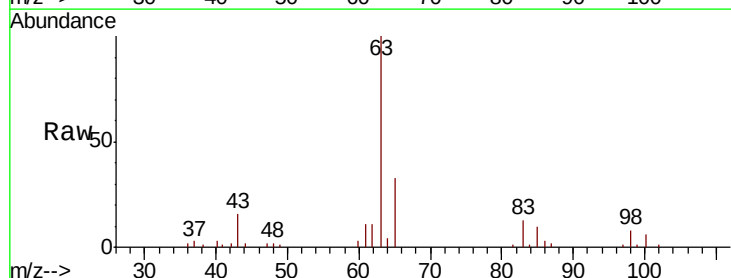
Tgt Ion: 63 Resp: 87462

Ion Ratio Lower Upper

63 100

98 7.5 3.9 11.5

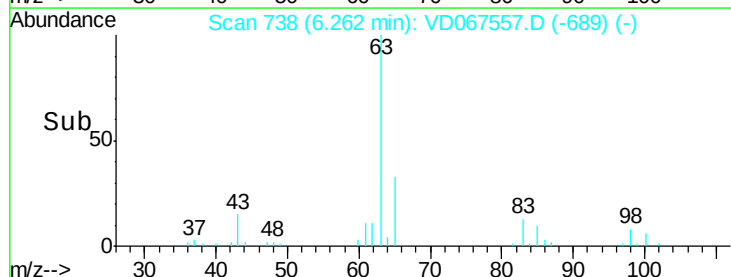
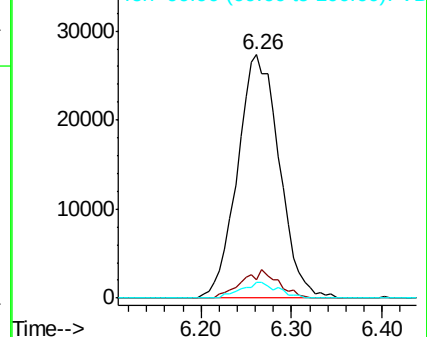
100 6.3 2.6 7.8

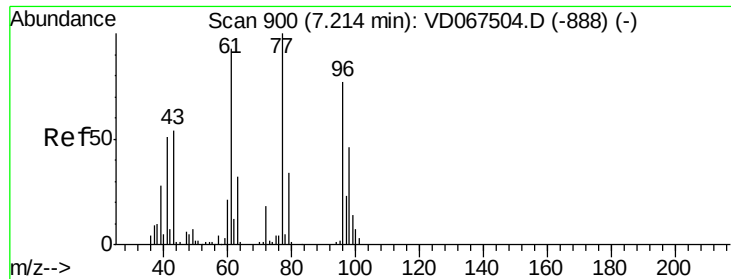


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 103.038 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 43 Resp: 42851

Ion Ratio Lower Upper

43 100

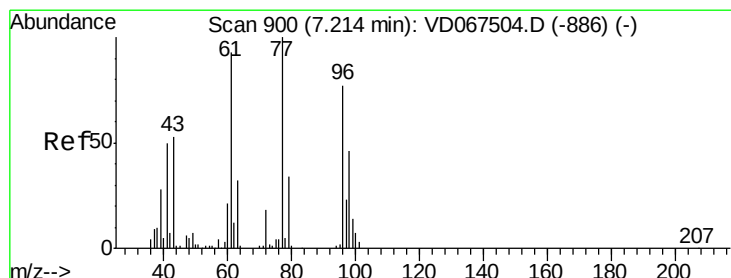
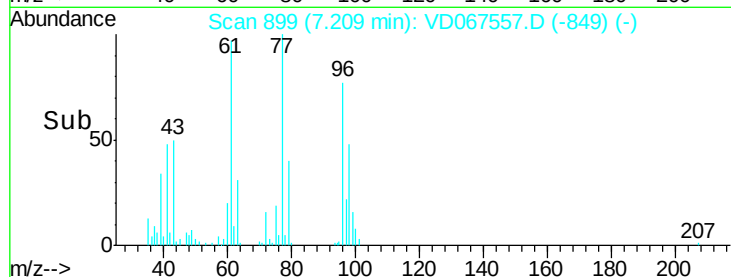
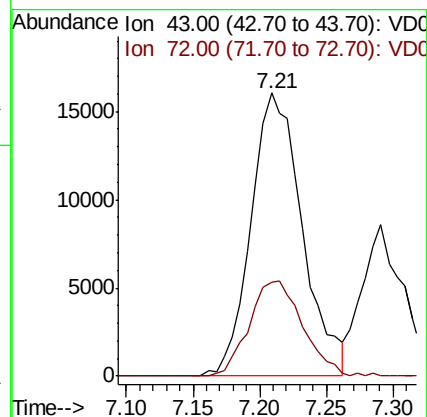
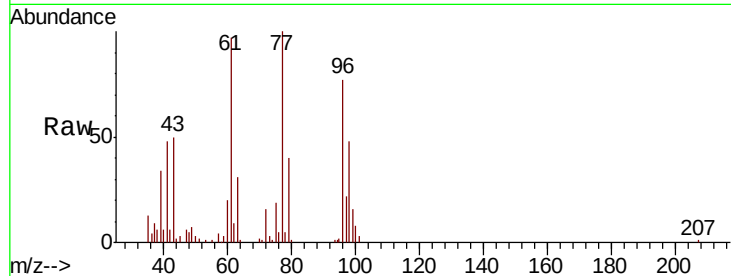
72 33.1 26.4 39.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.763 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067557.D

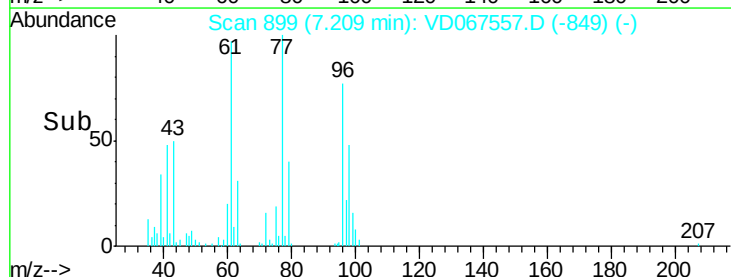
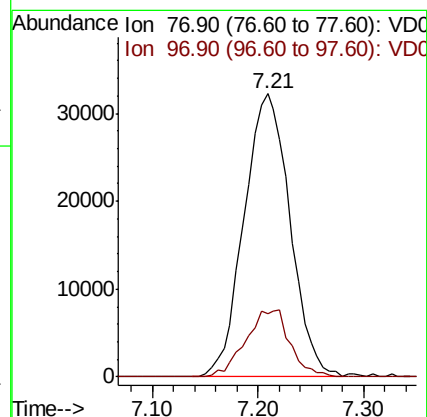
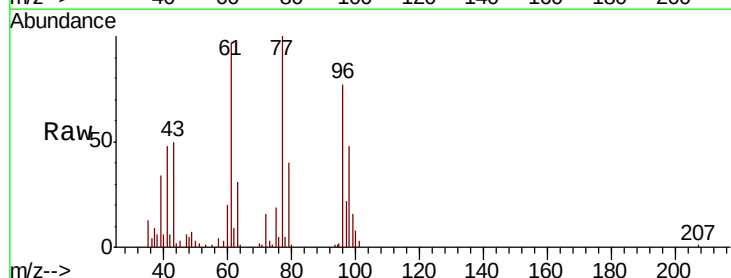
Acq: 09 Nov 2020 11:18

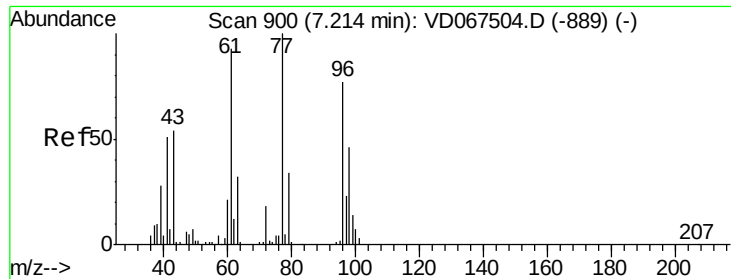
Tgt Ion: 77 Resp: 97294

Ion Ratio Lower Upper

77 100

97 22.7 11.1 33.3





#27

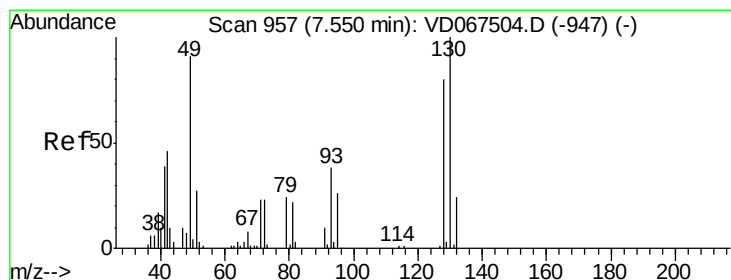
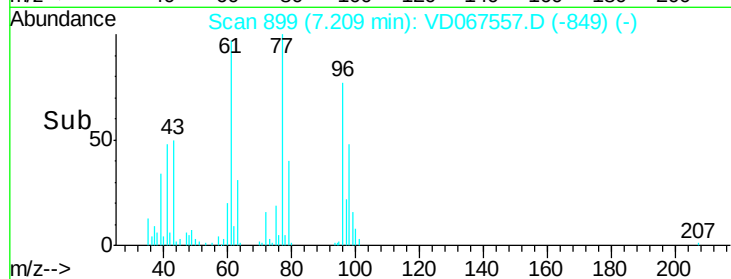
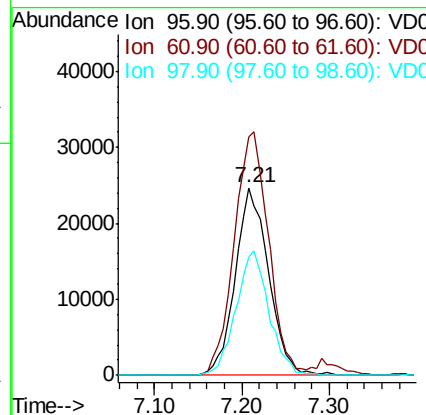
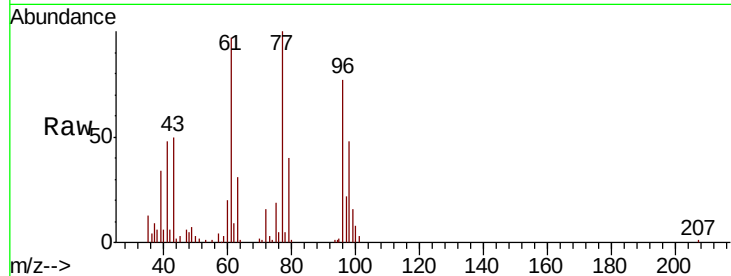
cis-1,2-Dichloroethene
Concen: 21.273 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	133.8	0.0	251.6
98	65.6	0.0	128.0

Manual Integrations
APPROVED

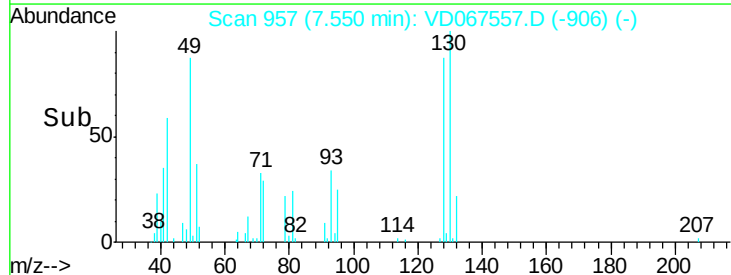
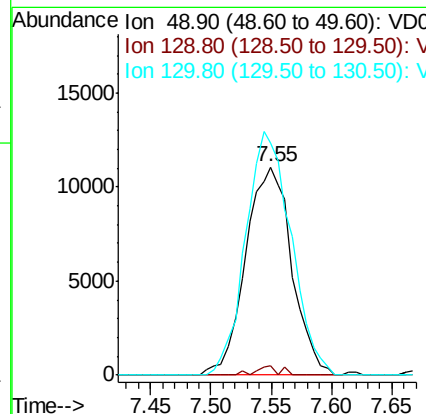
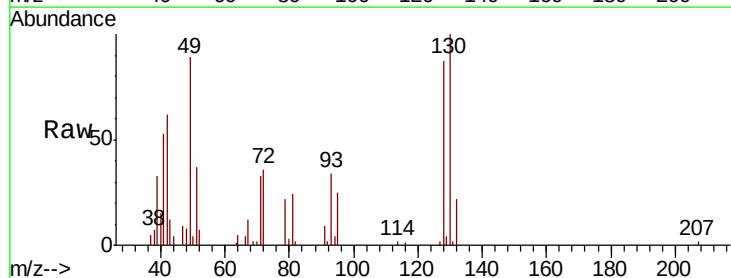
MMDadoda
11/10/2020 1:11:48 PM

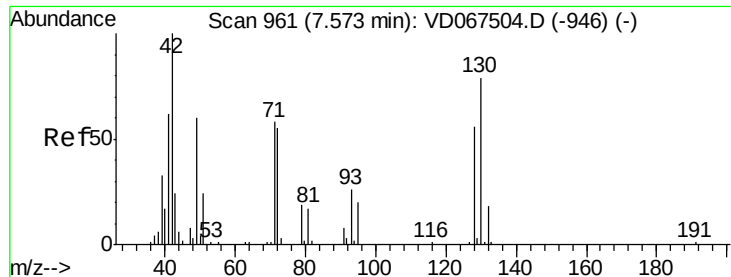


#28

Bromochloromethane
Concen: 19.462 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	6.4
130	114.9	94.6	142.0





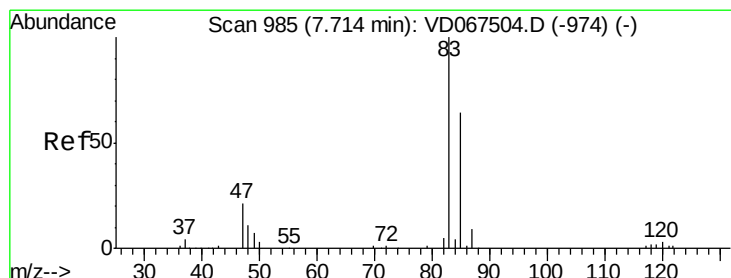
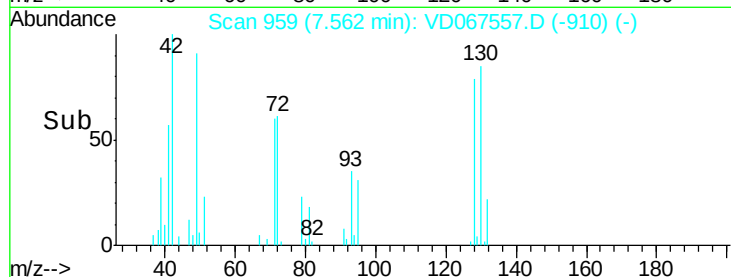
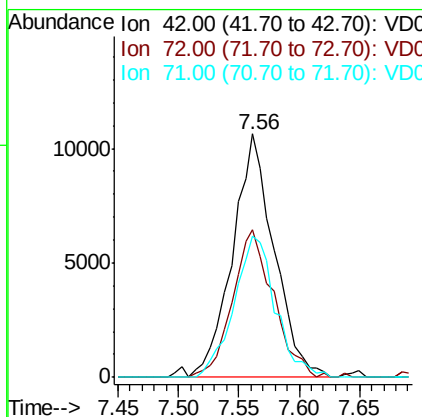
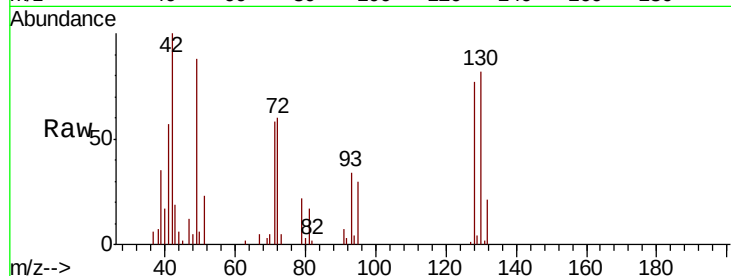
#29
Tetrahydrofuran
Concen: 102.497 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.6	46.3	69.5
71	58.1	44.0	66.0

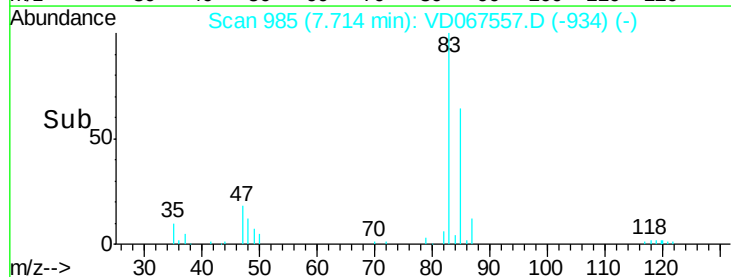
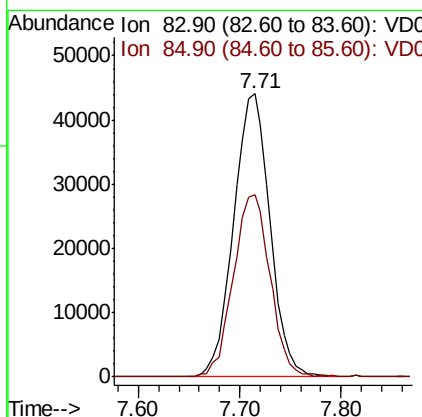
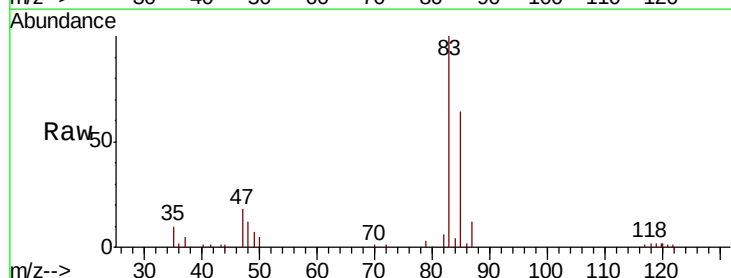
Manual Integrations
APPROVED

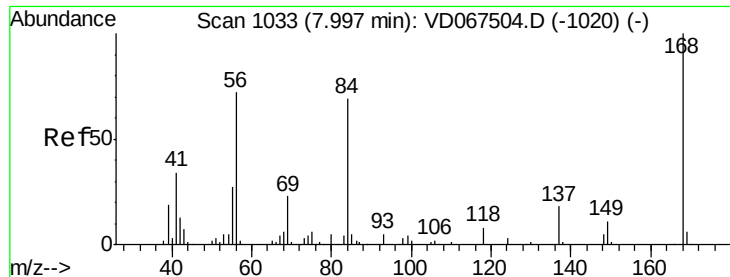
MMDadoda
11/10/2020 1:11:48 PM



#30
Chloroform
Concen: 21.724 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.5	51.5	77.3





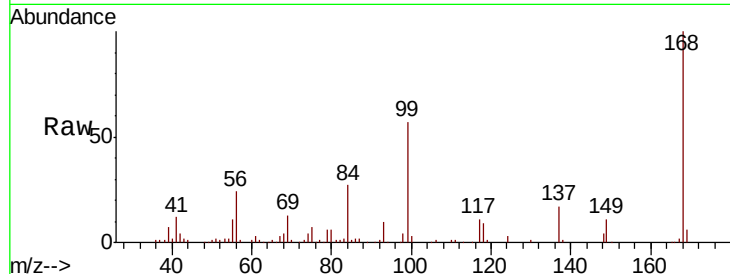
#31
Cyclohexane
Concen: 20.228 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	56	69	84
Resp	76304		
Ratio	100	53.3	109.1
Lower		25.9	76.2
Upper		38.9#	114.4

Manual Integrations
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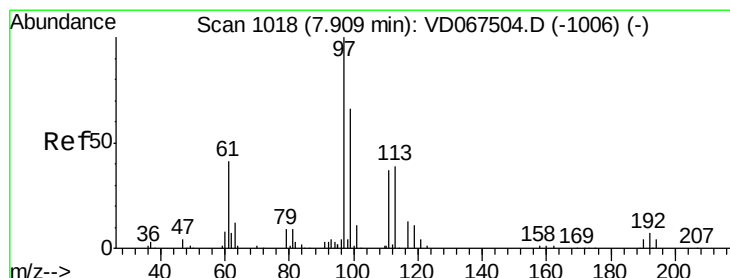
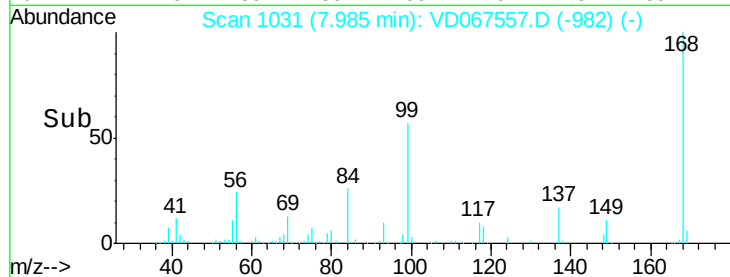
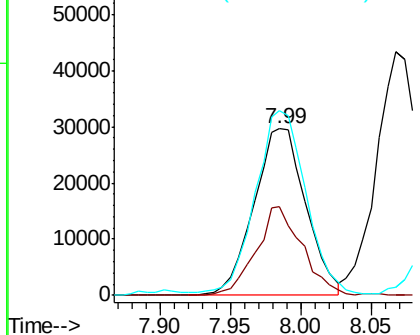


Abundance

Ion 56.00 (55.70 to 56.70): VDC

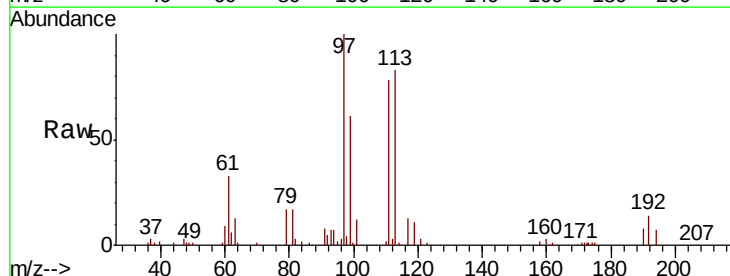
Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32
1,1,1-Trichloroethane
Concen: 21.842 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	97	99	61
Resp	113888		
Ratio	100	64.8	37.3
Lower		51.8	30.5
Upper		77.6	45.7

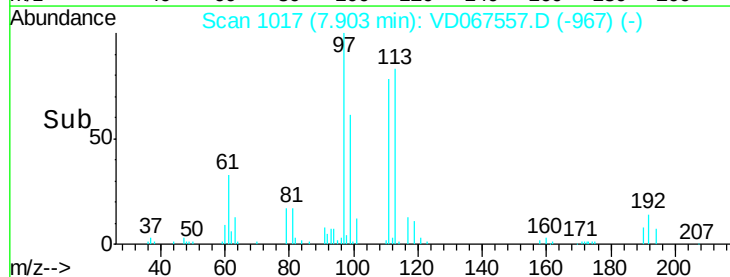
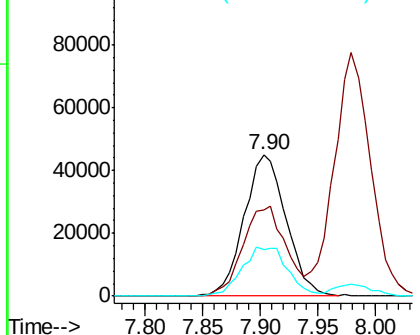


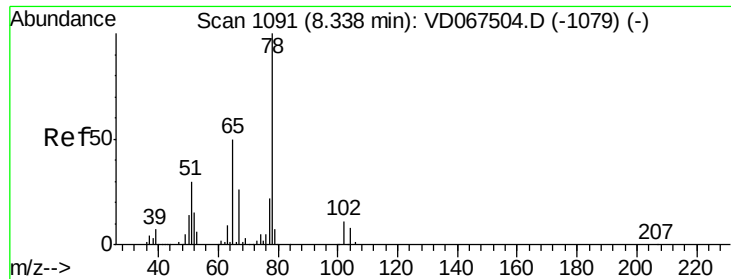
Abundance

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





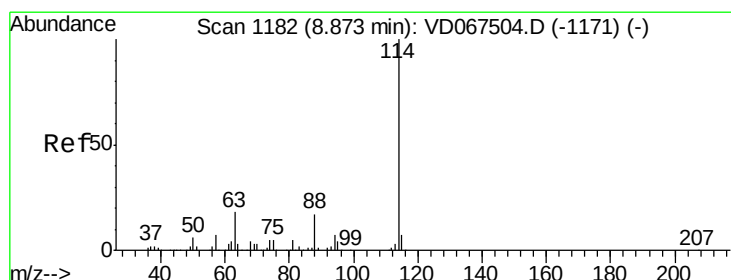
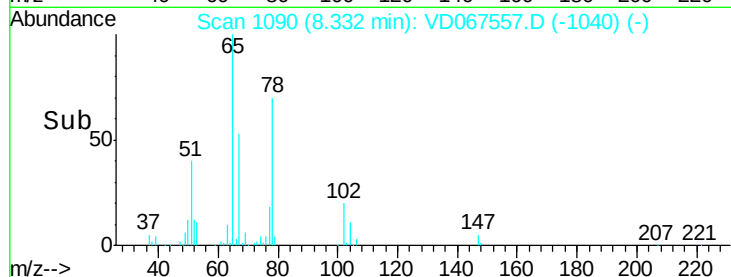
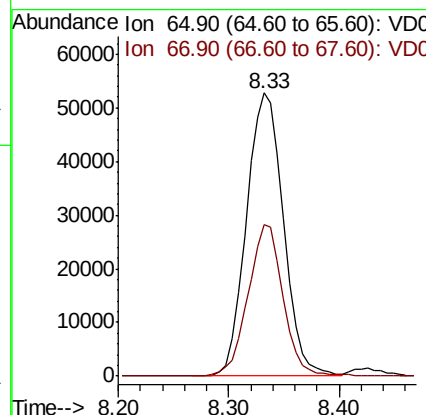
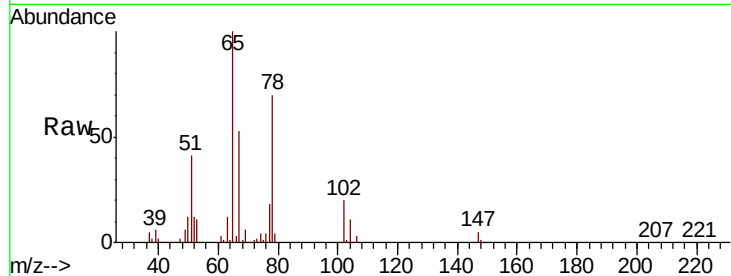
#33
 1,2-Dichloroethane-d4
 Concen: 47.748 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	99.4

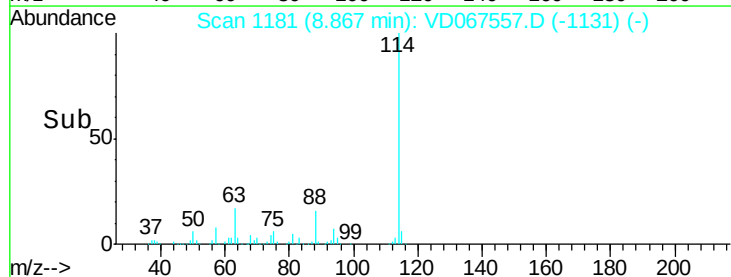
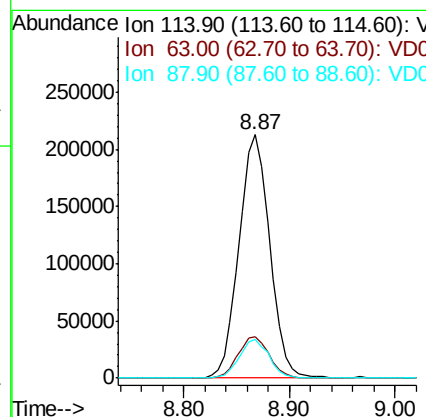
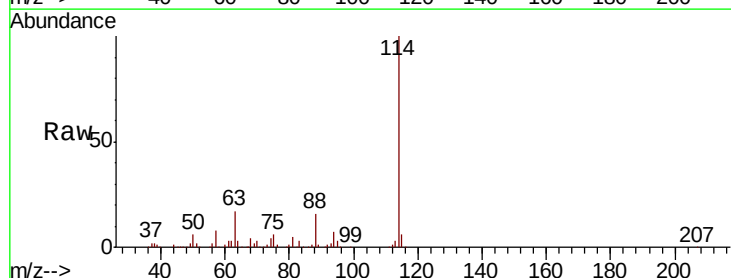
Manual Integrations
 APPROVED

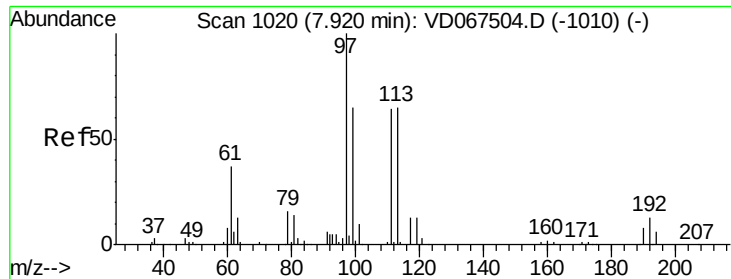
MMDadoda
 11/10/2020 1:11:48 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.1	0.0	35.0
88	16.1	0.0	33.0





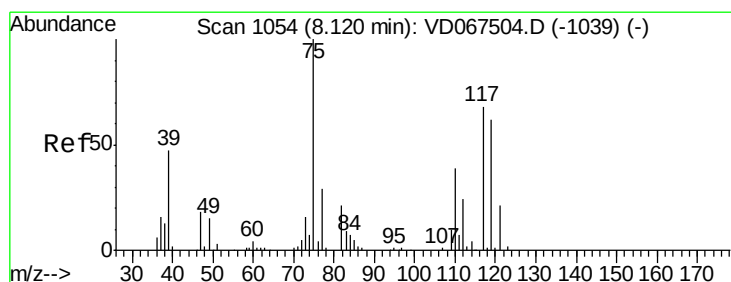
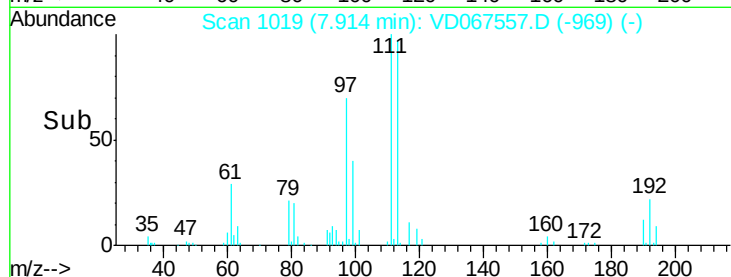
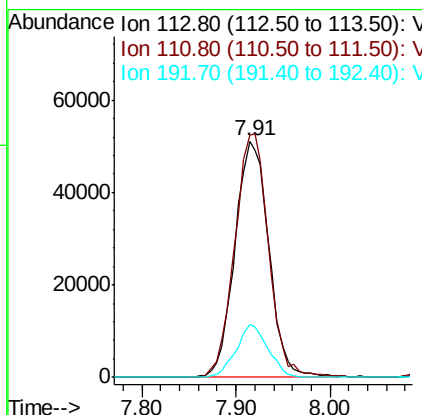
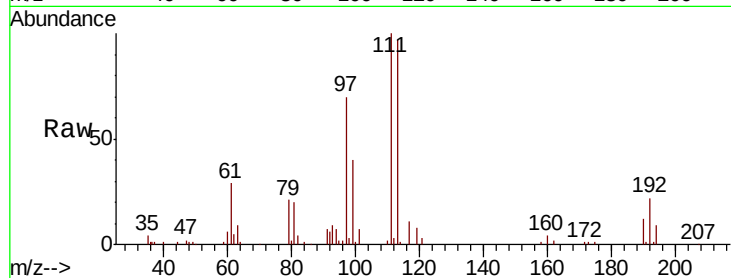
#35
Dibromofluoromethane
Concen: 49.405 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	127799		
111	103.1	80.0	120.0	
192	21.1	16.3	24.5	

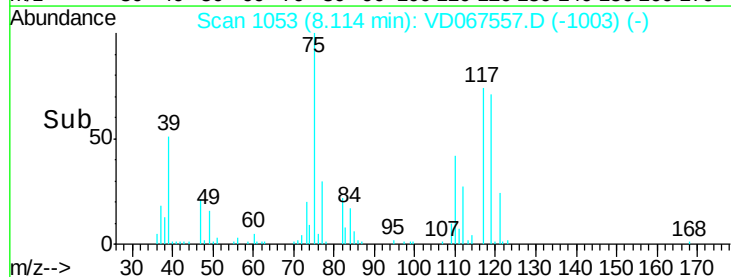
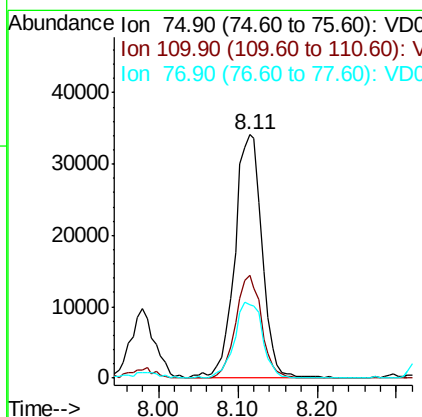
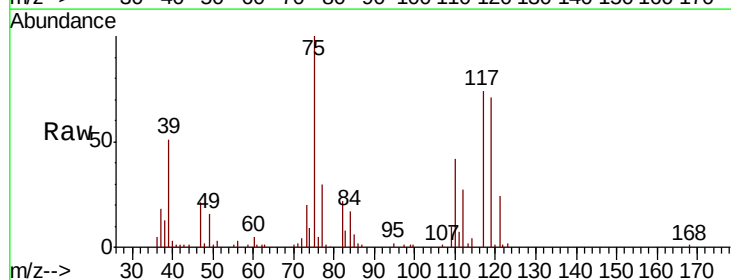
Manual Integrations
APPROVED

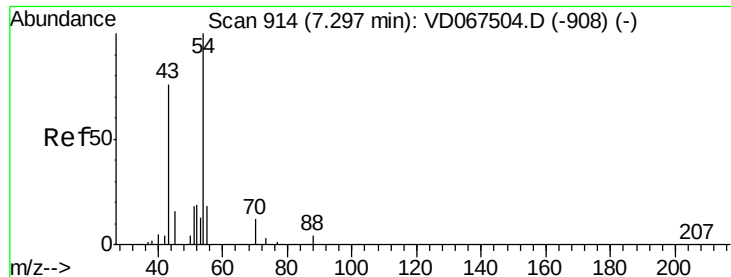
MMDadoda
11/10/2020 1:11:48 PM



#36
1,1-Dichloropropene
Concen: 22.087 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	81172		
110	39.8	19.9	59.7	
77	32.0	24.8	37.2	





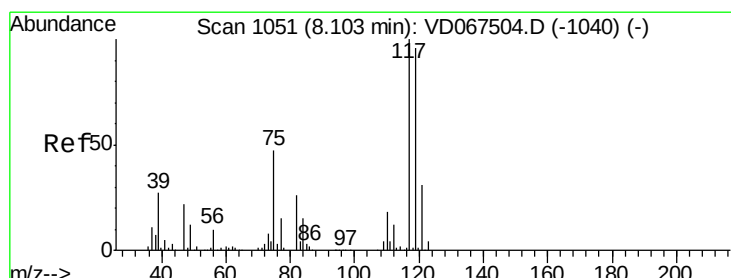
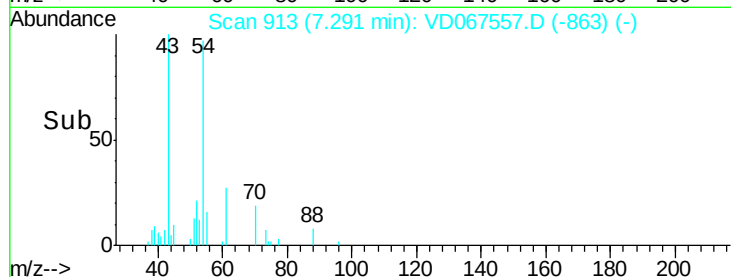
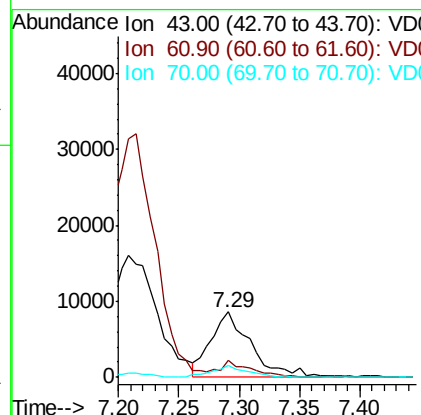
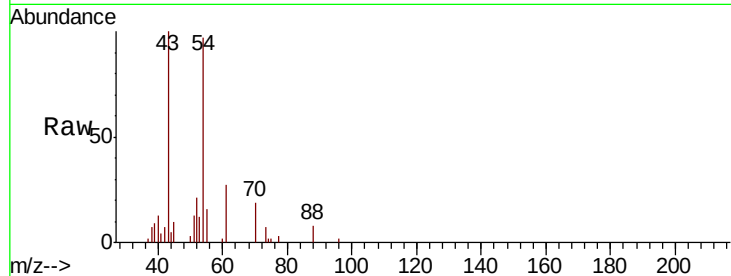
#37
Ethyl Acetate
Concen: 20.904 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	19.8	12.8	19.2#
70	16.1	11.7	17.5

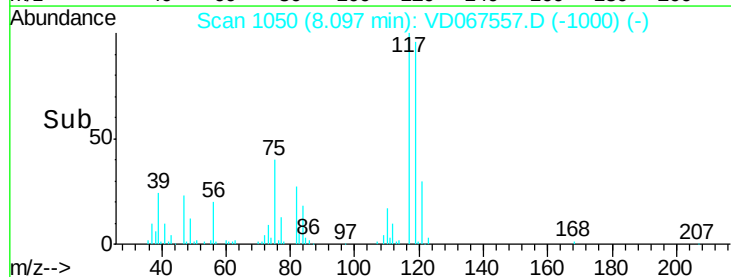
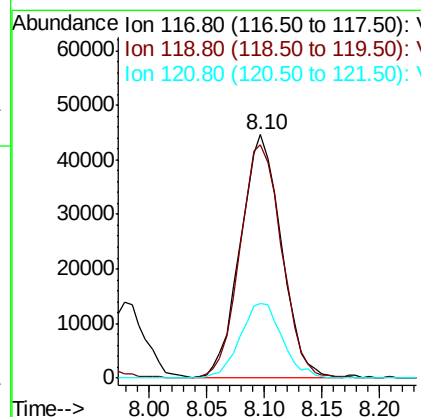
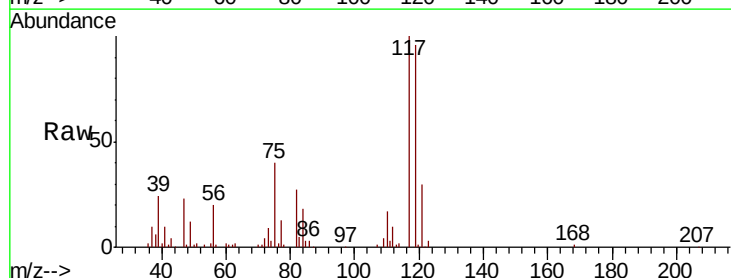
Manual Integrations
APPROVED

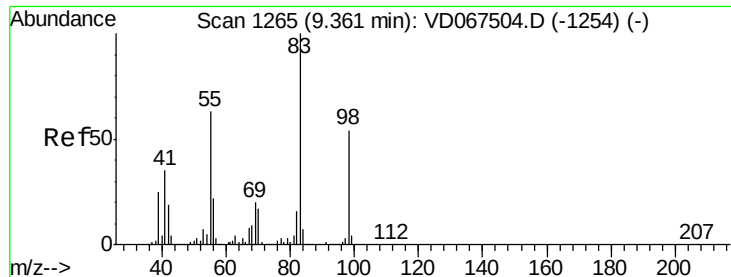
MMDadoda
11/10/2020 1:11:48 PM



#38
Carbon Tetrachloride
Concen: 23.109 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	76.9	115.3
121	30.5	24.5	36.7





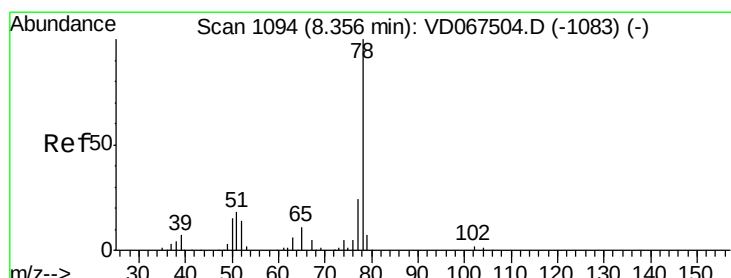
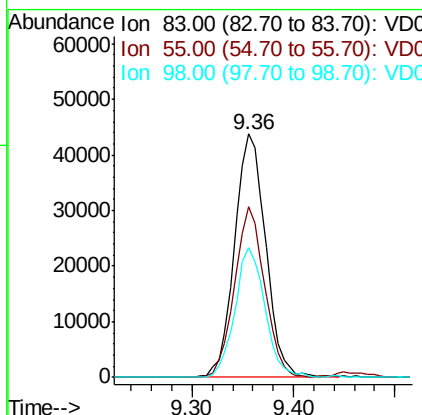
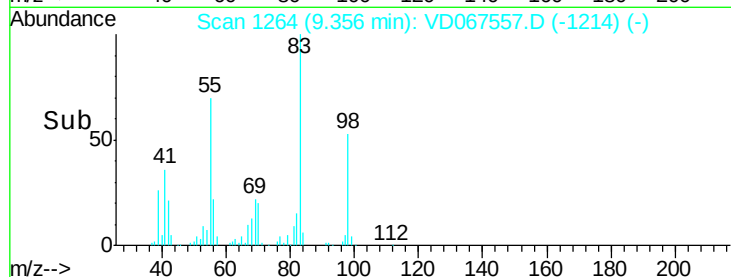
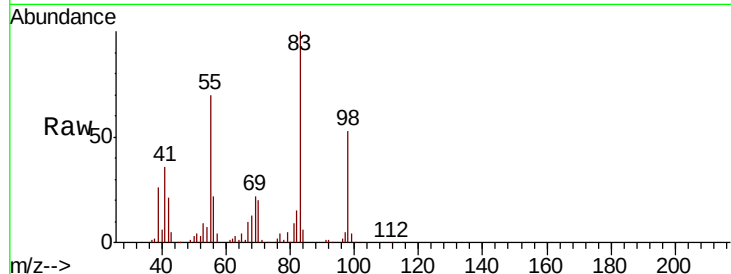
#39
Methylvlcyclohexane
Concen: 21.542 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	83	Resp	93180
Ion Ratio	100	Lower	Upper
83	100		
55	69.9	50.5	75.7
98	53.4	43.4	65.0

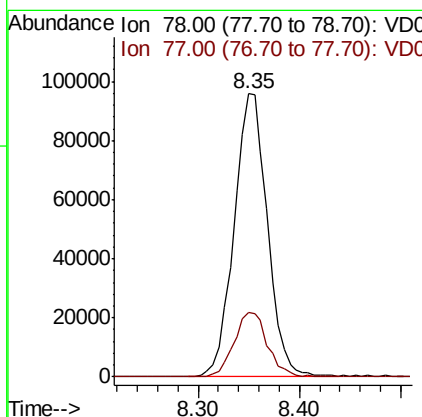
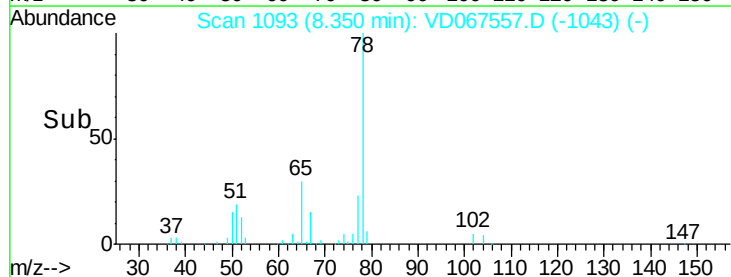
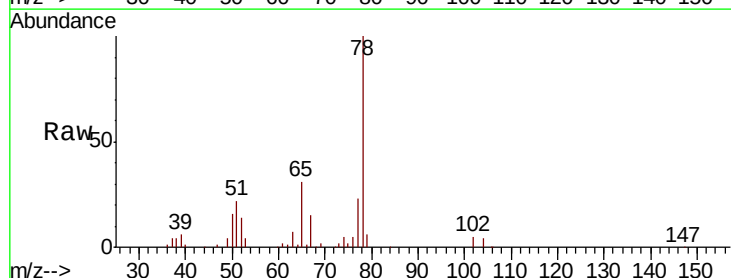
Manual Integrations
APPROVED

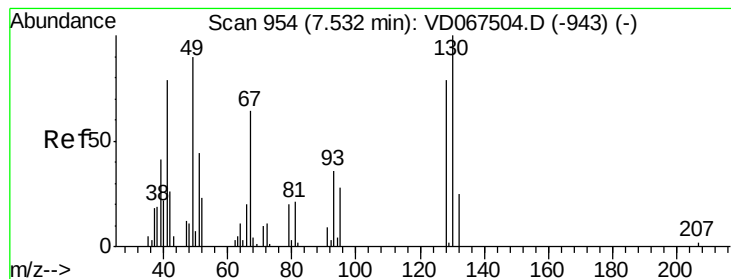
MMDadoda
11/10/2020 1:11:48 PM



#40
Benzene
Concen: 21.892 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	78	Resp	217930
Ion Ratio	100	Lower	Upper
78	100		
77	22.6	19.1	28.7





#41

Methacrylonitrile

Concen: 22.172 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 41 Resp: 12645

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

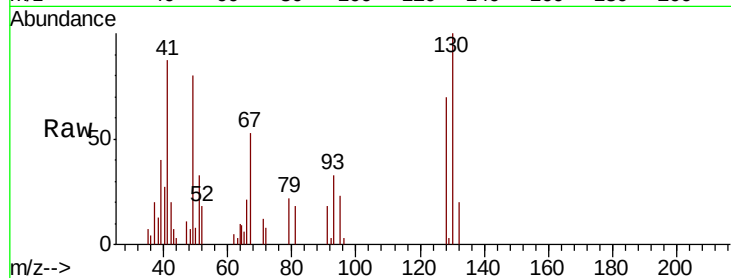
67 84.3 78.9 118.3

52 37.0 31.4 47.2

Manual Integrations
APPROVED

MMDadoda

11/10/2020 1:11:48 PM

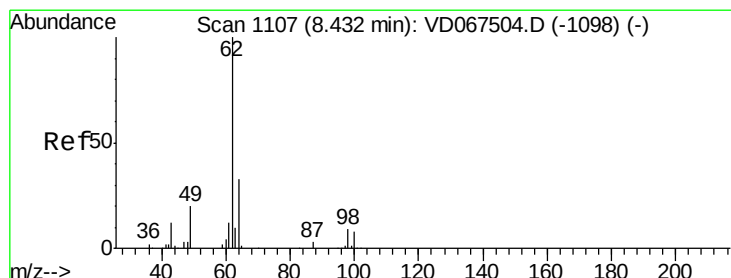
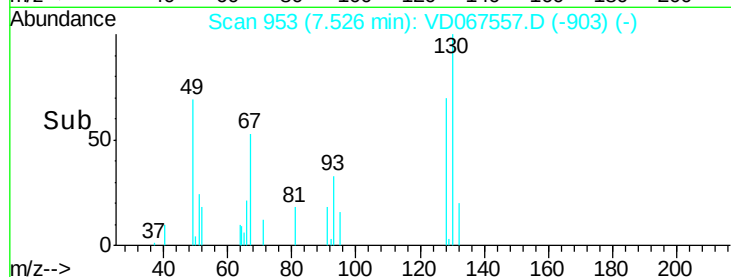
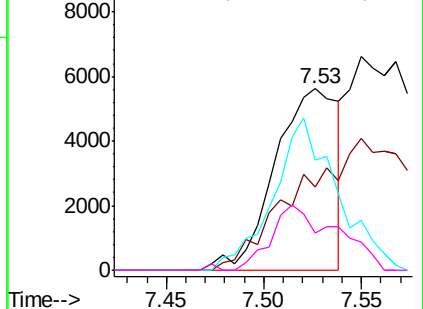


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 22.344 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067557.D

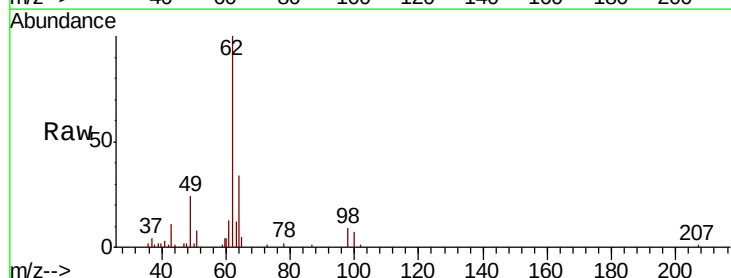
Acq: 09 Nov 2020 11:18

Tgt Ion: 62 Resp: 68723

Ion Ratio Lower Upper

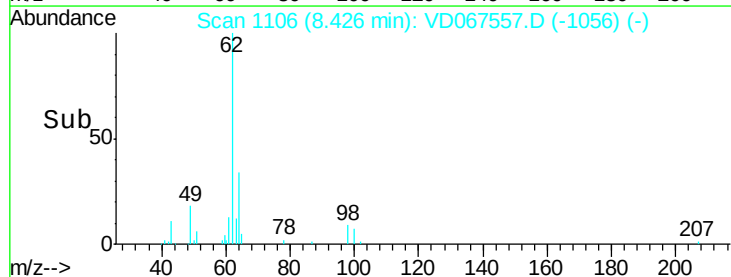
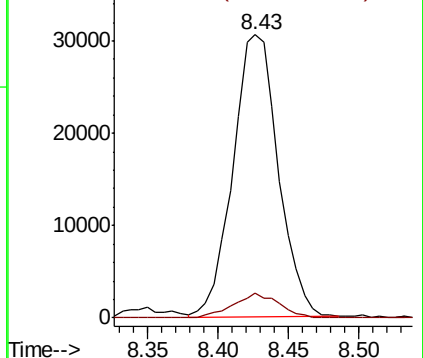
62 100

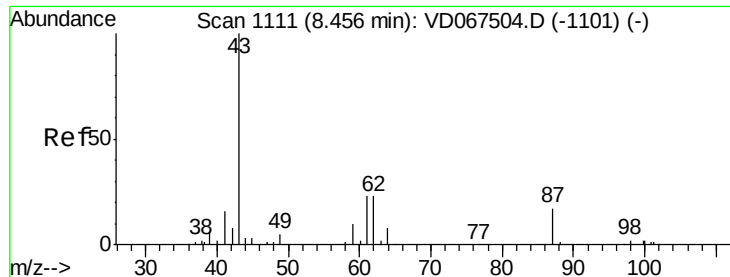
98 8.9 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 21.800 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

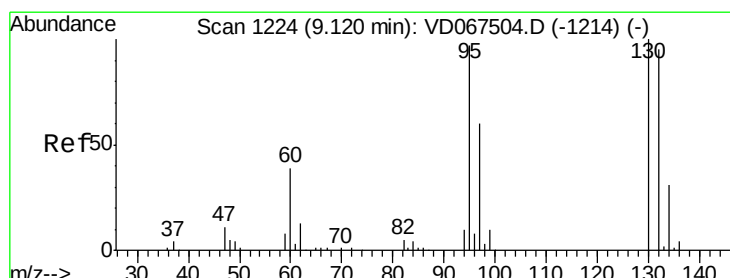
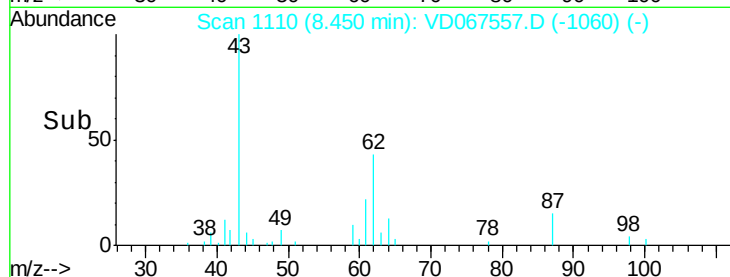
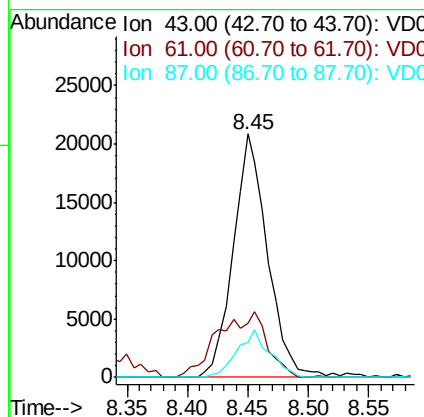
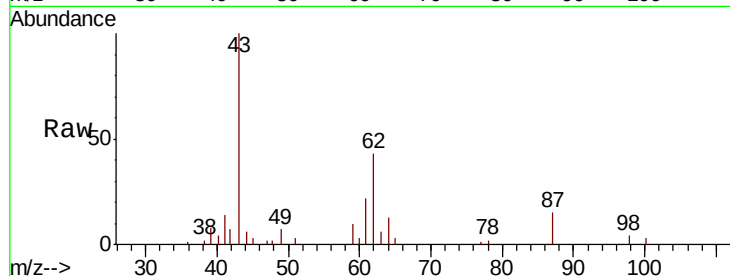
ClientSampleId :

VD1109SBS01

Tot Ion:	43	Resp:	41135
Ion	Ratio	Lower	Upper
43	100		
61	38.4	30.5	45.7
87	18.2	14.7	22.1

Manual Integrations
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#44

Trichloroethene

Concen: 21.965 ug/l

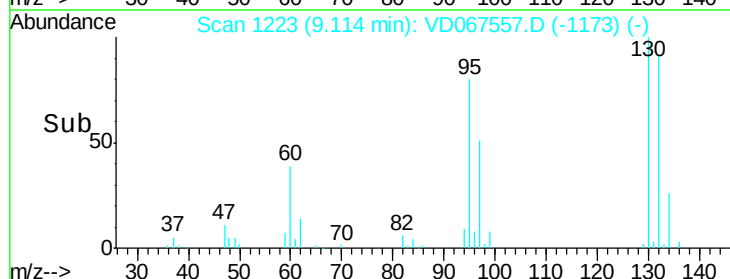
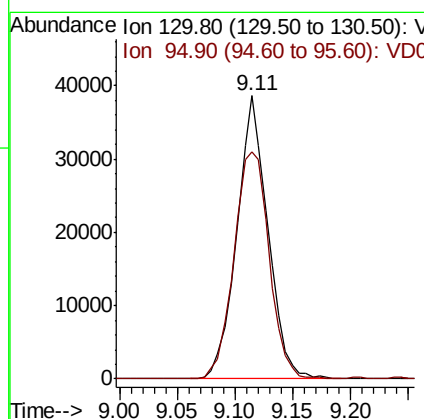
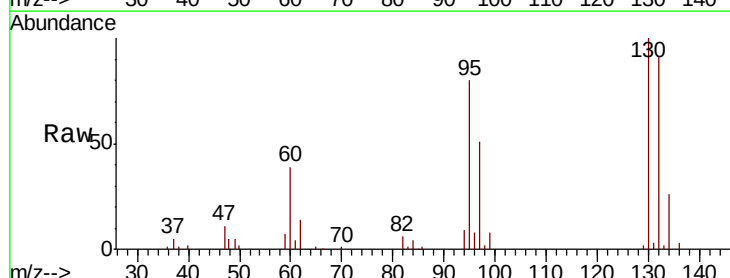
RT: 9.11 min Scan# 1223

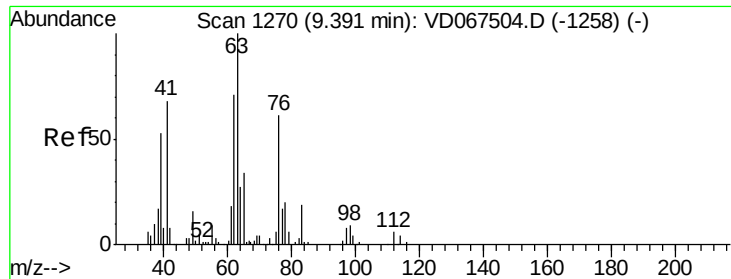
Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Tgt Ion:	130	Resp:	71896
Ion	Ratio	Lower	Upper
130	100		
95	80.3	0.0	194.4





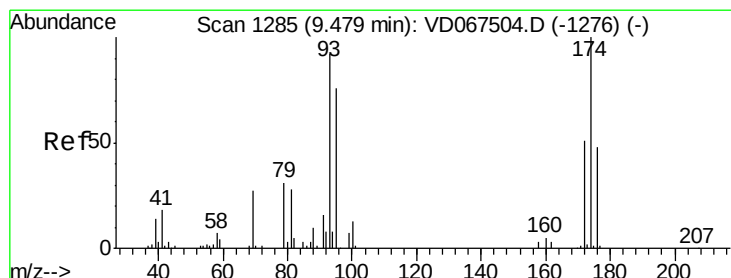
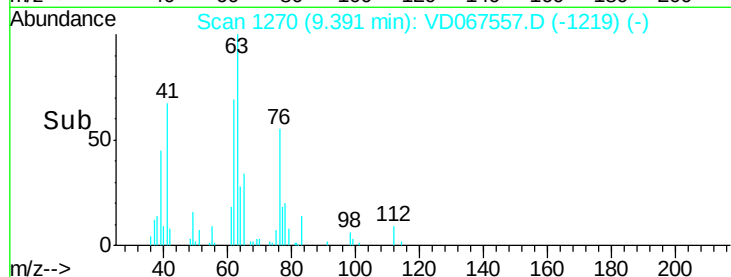
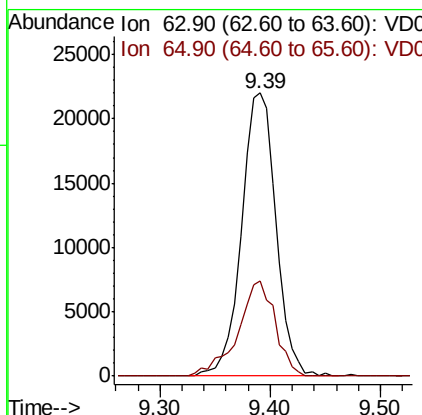
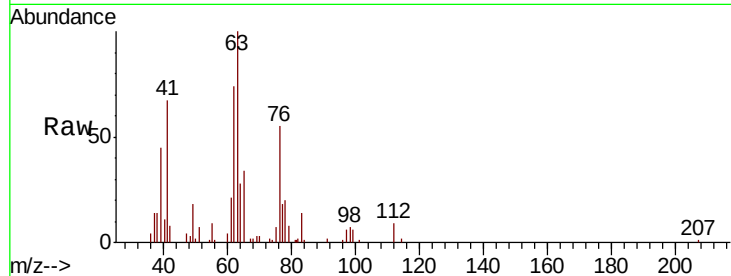
#45
 1,2-Dichloropropane
 Concen: 22.362 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion: 63 Resp: 48129
 Ion Ratio Lower Upper
 63 100
 65 33.6 26.9 40.3

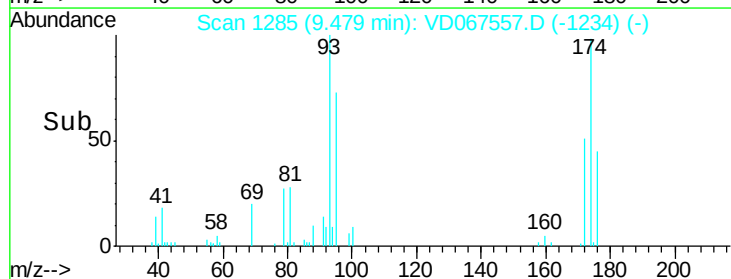
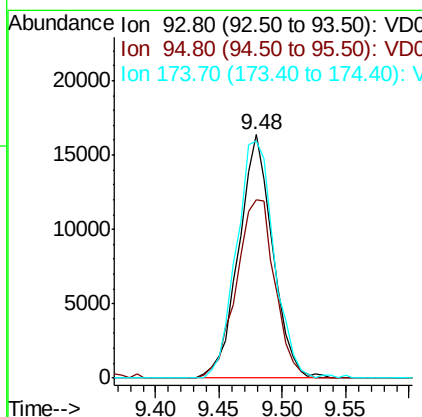
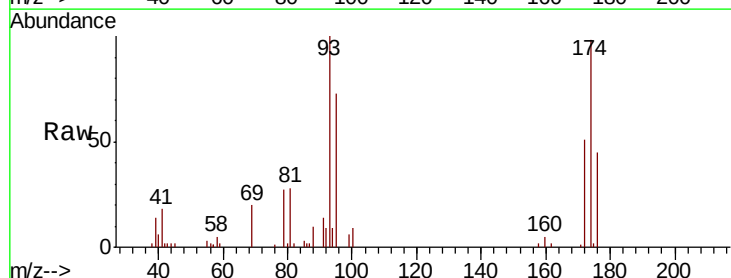
Manual Integrations
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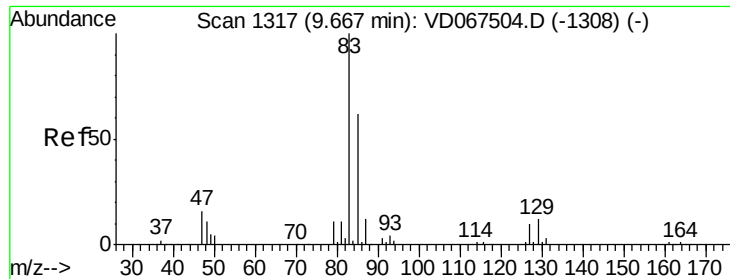
MMDadoda
 11/10/2020 1:11:48 PM



#46
 Dibromomethane
 Concen: 22.212 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion: 93 Resp: 30397
 Ion Ratio Lower Upper
 93 100
 95 82.9 66.4 99.6
 174 107.7 88.2 132.4





#47

Bromodichloromethane

Concen: 22.792 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

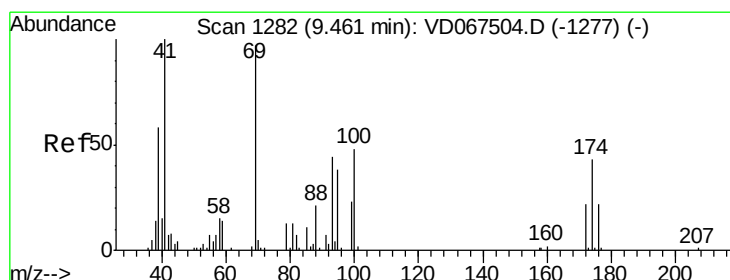
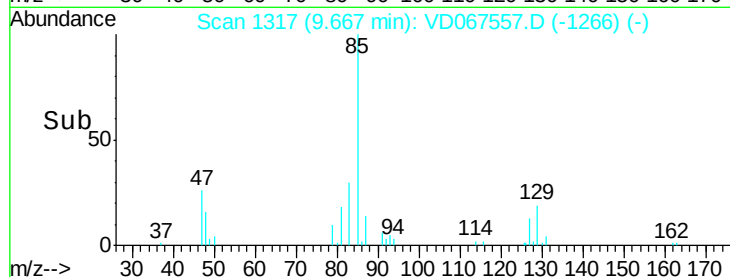
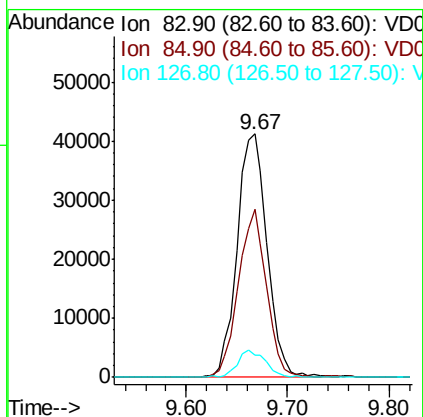
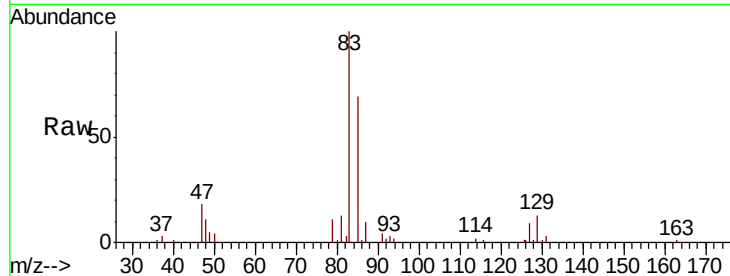
ClientSampleId :

VD1109SBS01

Tot Ion:	83	Resp:	84776
Ion	Ratio	Lower	Upper
83	100		
85	69.0	49.4	74.2
127	9.0	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.990 ug/l

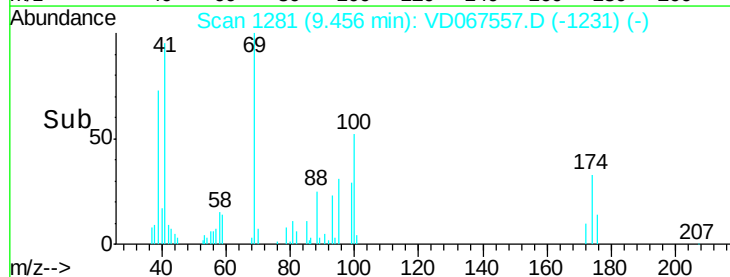
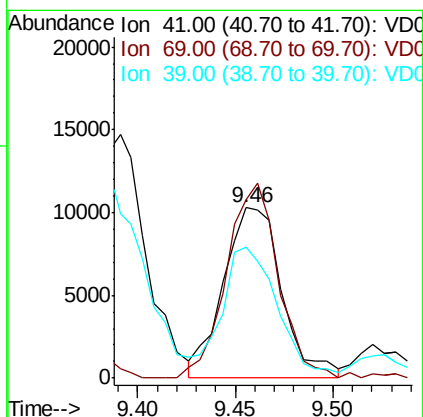
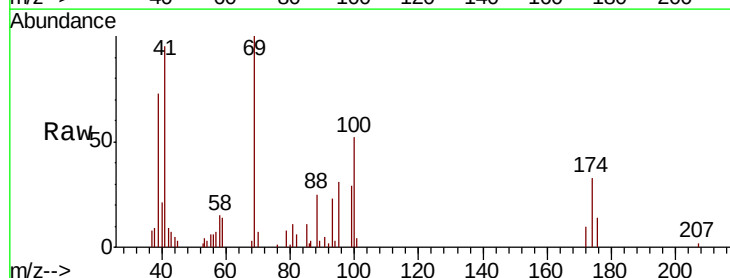
RT: 9.46 min Scan# 1281

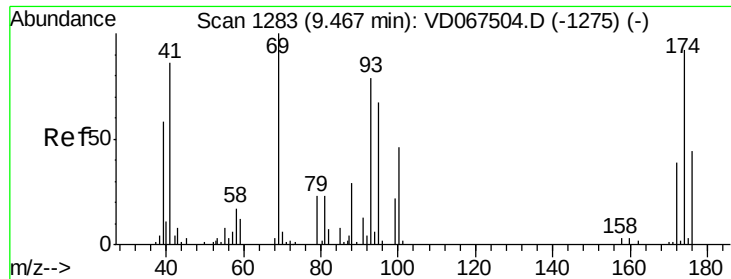
Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Tgt Ion:	41	Resp:	21424
Ion	Ratio	Lower	Upper
41	100		
69	101.2	80.6	121.0
39	66.9	50.2	75.4





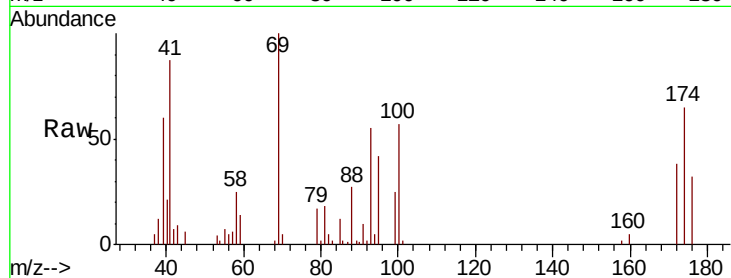
#49
1,4-Dioxane
Concen: 456.432 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	30.2	23.6	35.4
58	64.5	44.7	67.1

Manual Integrations
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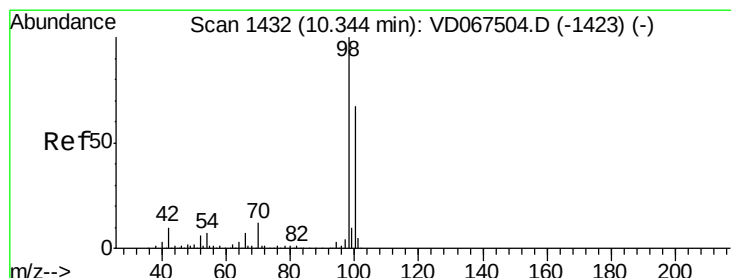
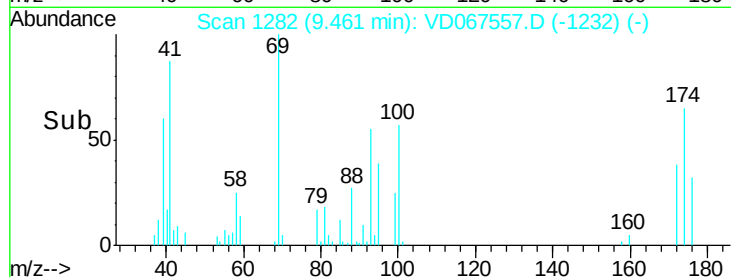
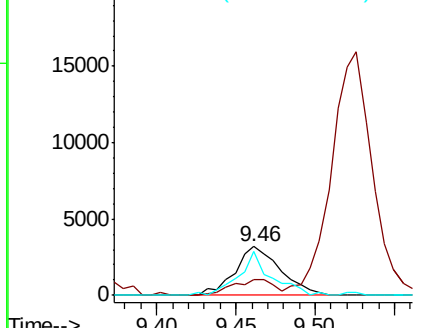


Abundance

Ion 88.00 (87.70 to 88.70): VDC

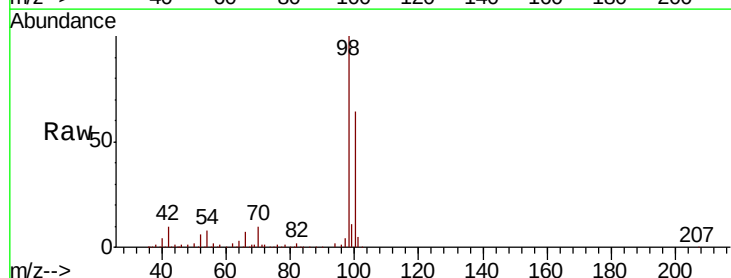
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 49.083 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

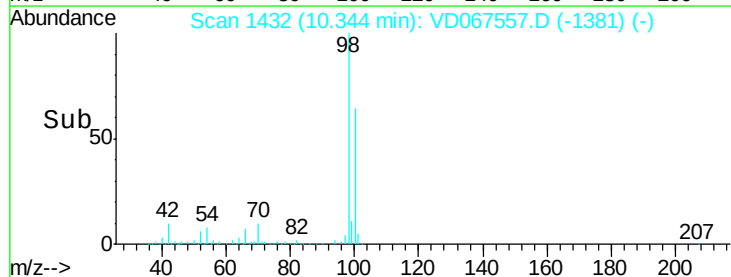
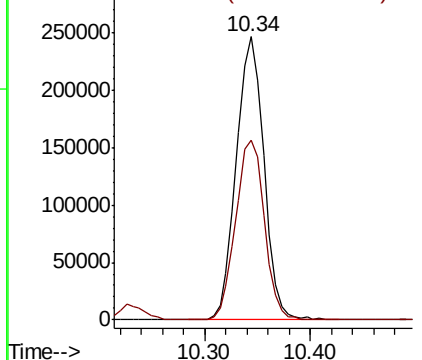
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.6

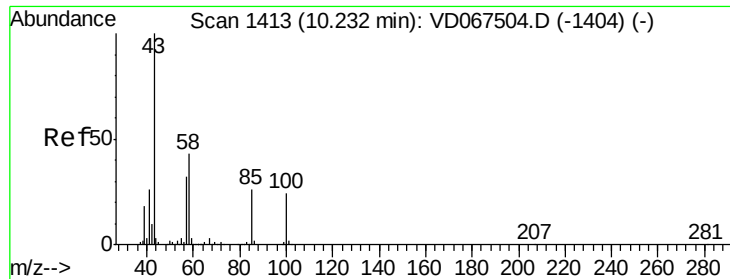


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 108.805 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 43 Resp: 98189

Ion Ratio Lower Upper

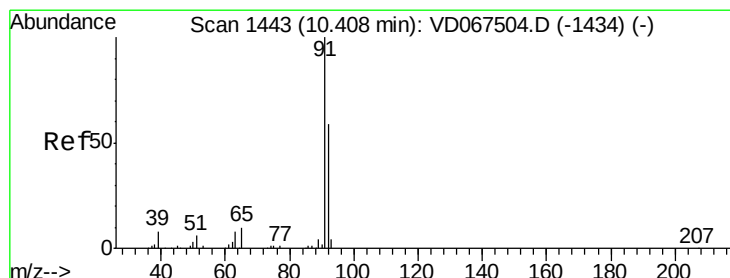
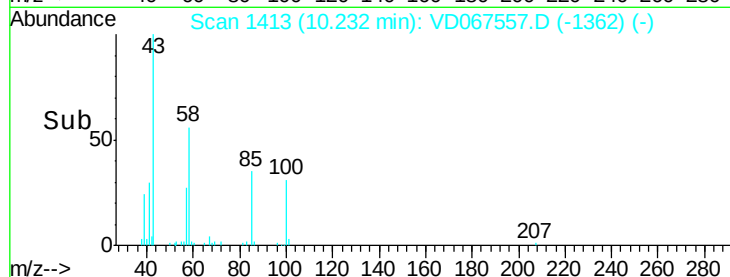
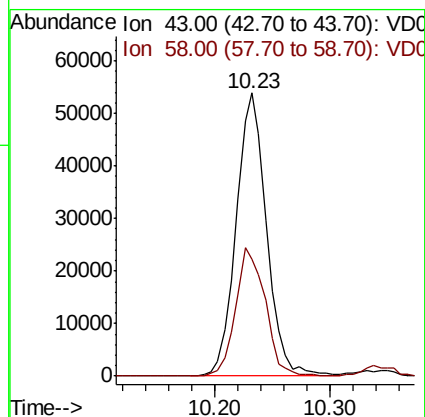
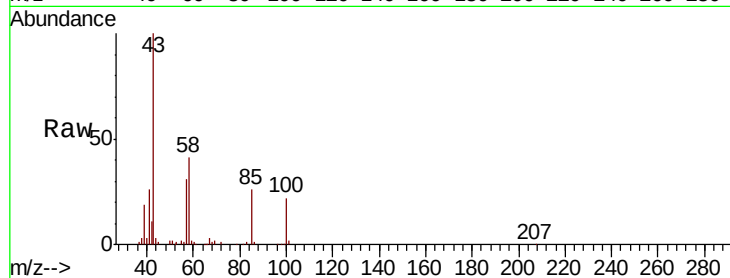
43 100

58 43.8 35.6 53.4

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#52

Toluene

Concen: 22.765 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067557.D

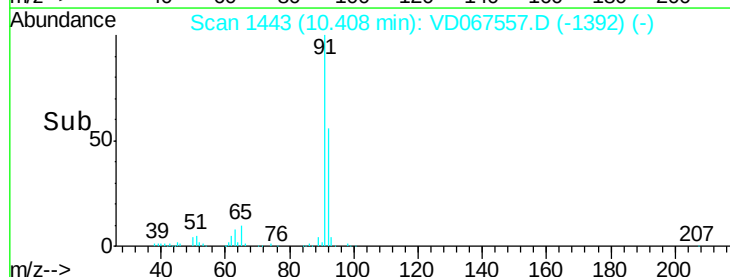
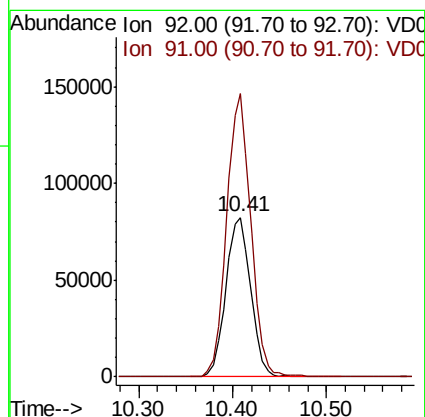
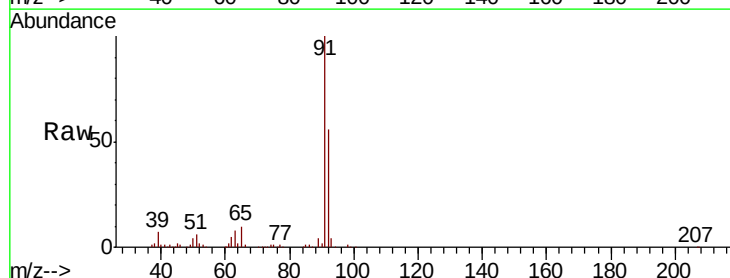
Acq: 09 Nov 2020 11:18

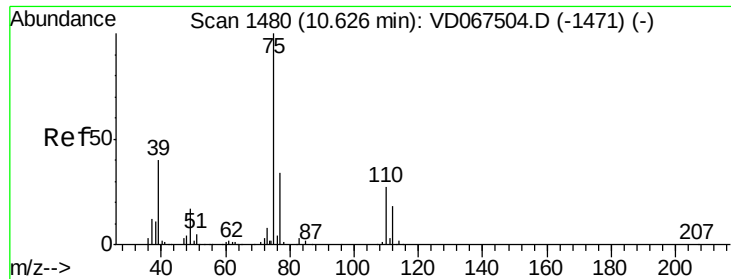
Tgt Ion: 92 Resp: 151793

Ion Ratio Lower Upper

92 100

91 171.9 137.0 205.6





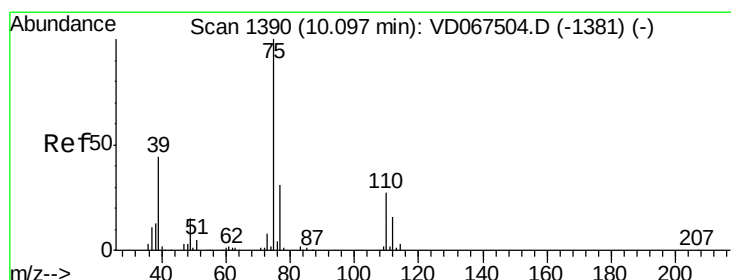
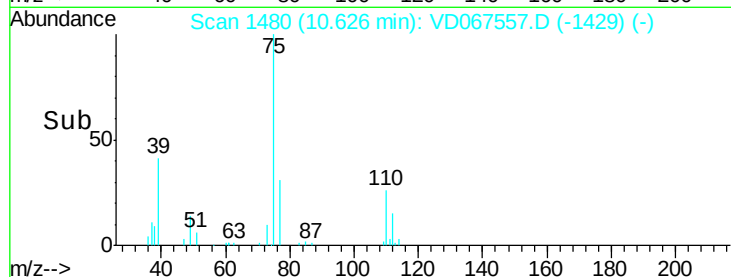
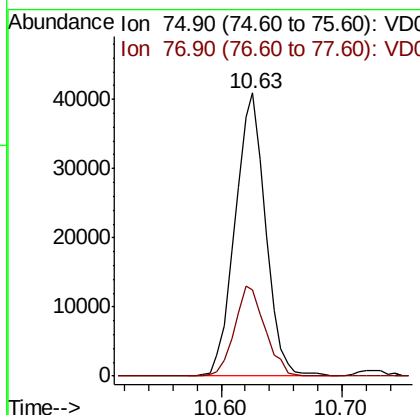
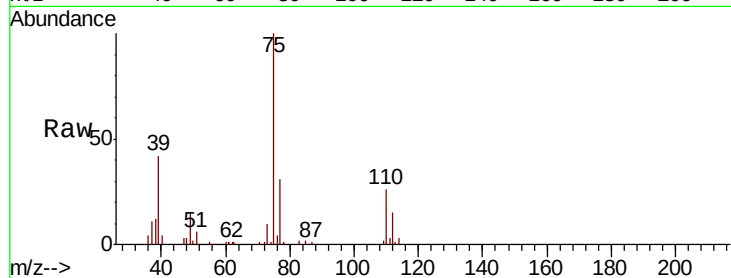
#53
t-1,3-Dichloropropene
Concen: 22.587 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion: 75 Resp: 71954
Ion Ratio Lower Upper
75 100
77 30.5 27.0 40.6

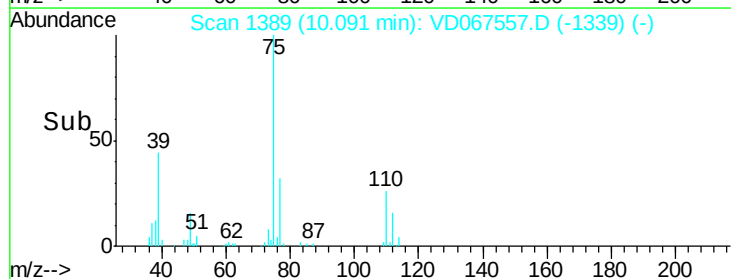
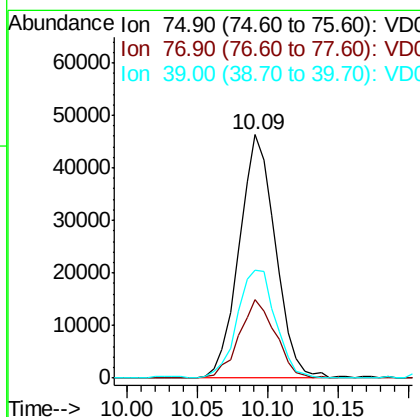
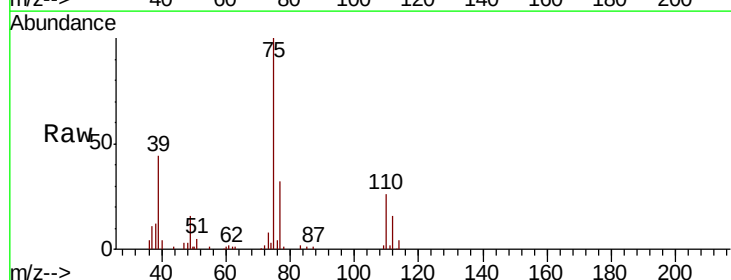
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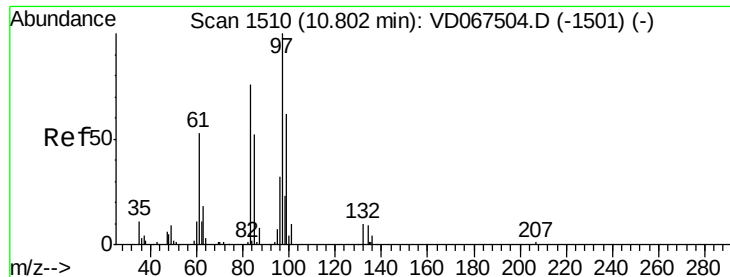
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#54
cis-1,3-Dichloropropene
Concen: 22.026 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion: 75 Resp: 83366
Ion Ratio Lower Upper
75 100
77 32.5 24.4 36.6
39 44.0 35.6 53.4





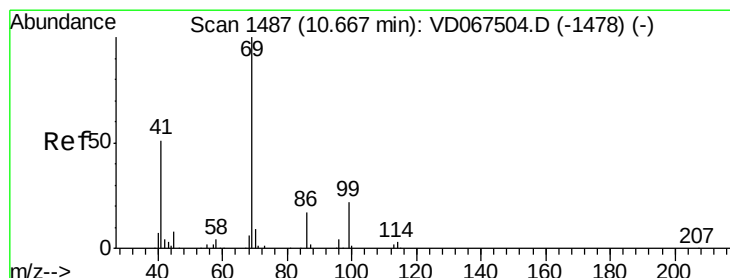
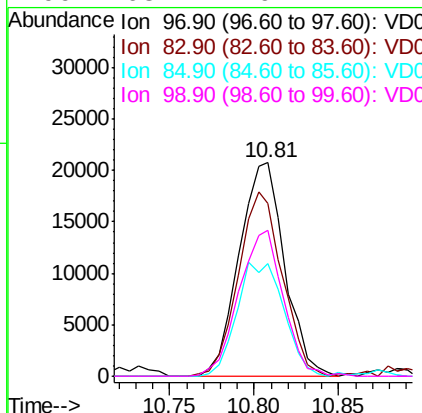
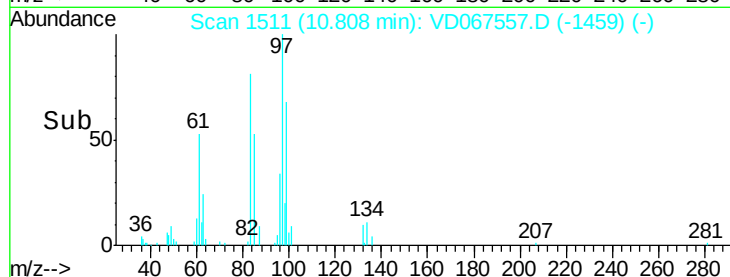
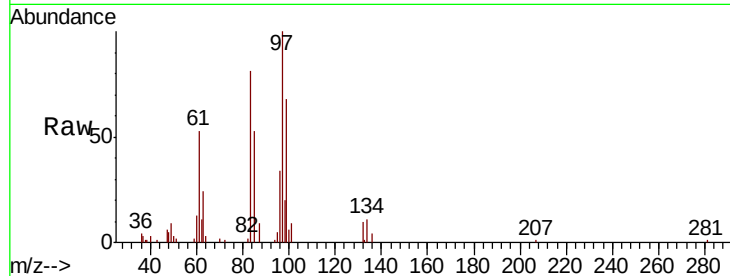
#55
 1,1,2-Trichloroethane
 Concen: 21.494 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	97	Resp:	38918
Ion	Ratio	Lower	Upper
97	100		
83	81.1	61.0	91.6
85	52.8	41.5	62.3
99	68.1	49.4	74.2

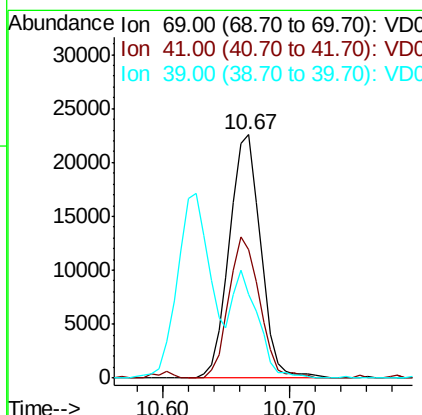
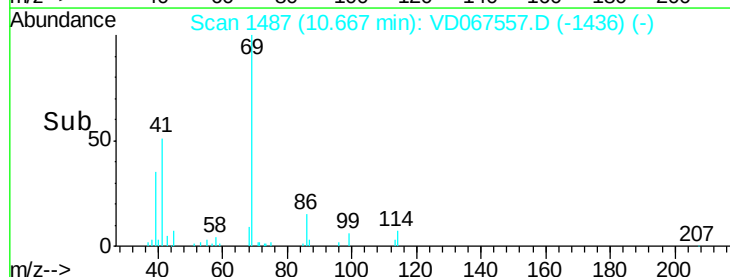
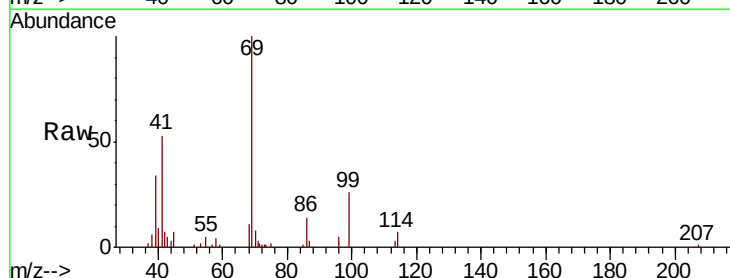
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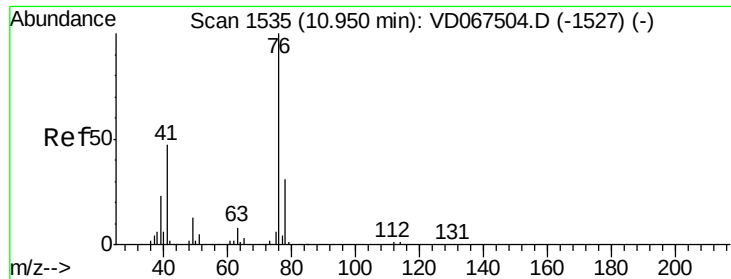
MMDadoda
 11/10/2020 1:11:48 PM



#56
 Ethyl methacrylate
 Concen: 20.648 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion	69	Resp:	38608
Ion	Ratio	Lower	Upper
69	100		
41	57.2	45.4	68.0
39	35.6	27.4	41.0





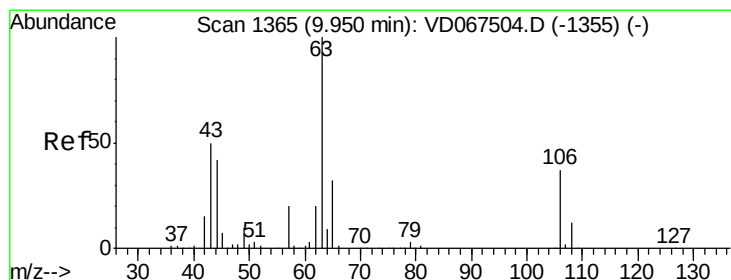
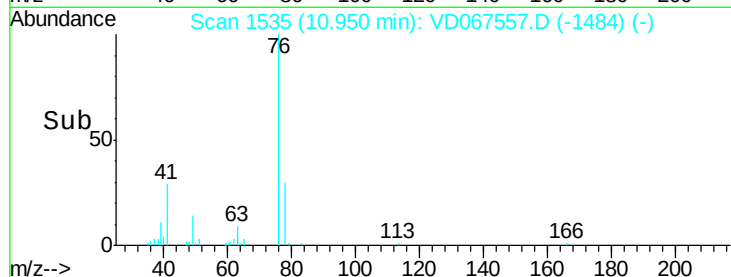
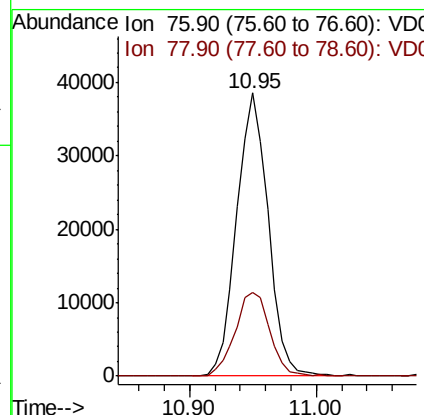
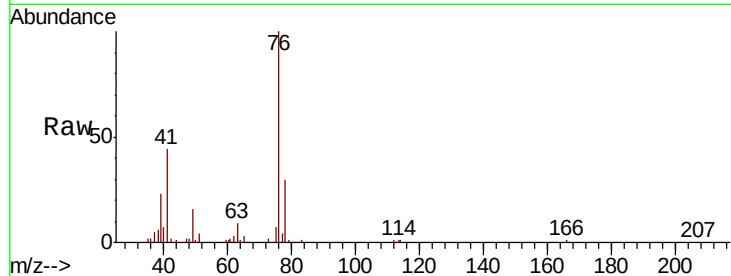
#57
 1,3-Dichloropropane
 Concen: 22.680 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion: 76 Resp: 66082
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

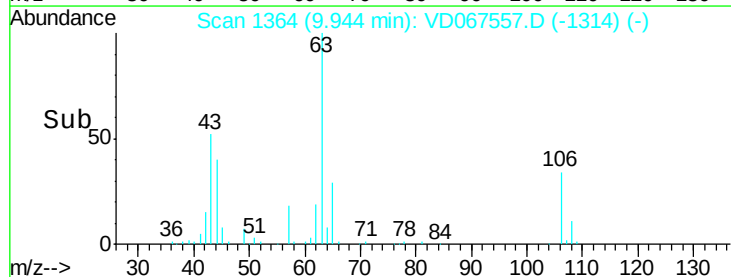
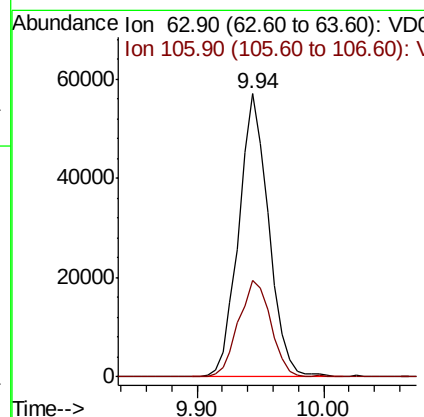
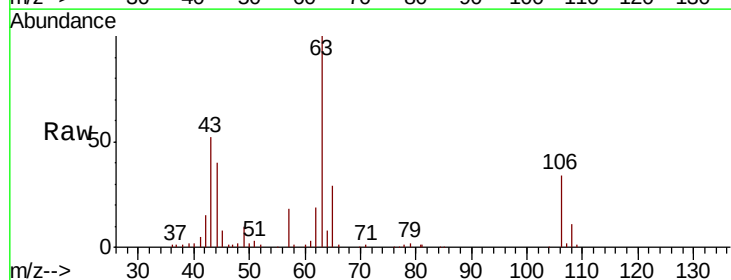
Manual Integrations
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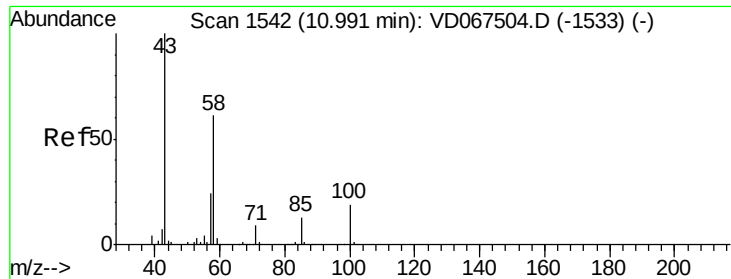
MMDadoda
 11/10/2020 1:11:48 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 106.638 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion: 63 Resp: 92984
 Ion Ratio Lower Upper
 63 100
 106 36.7 29.2 43.8





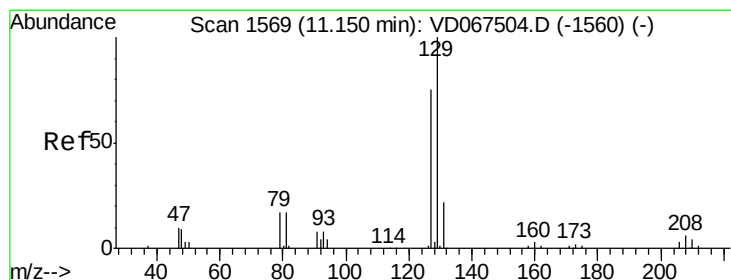
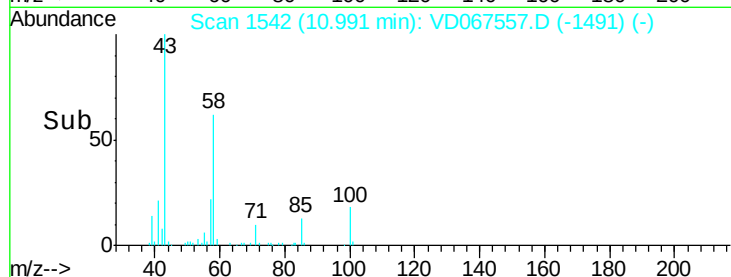
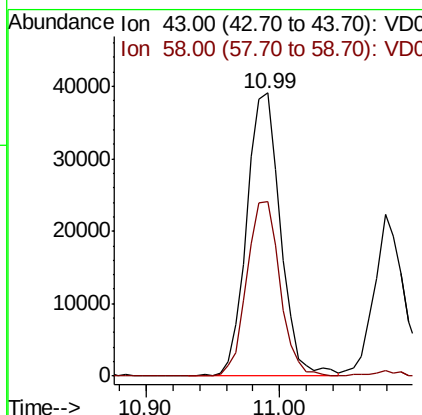
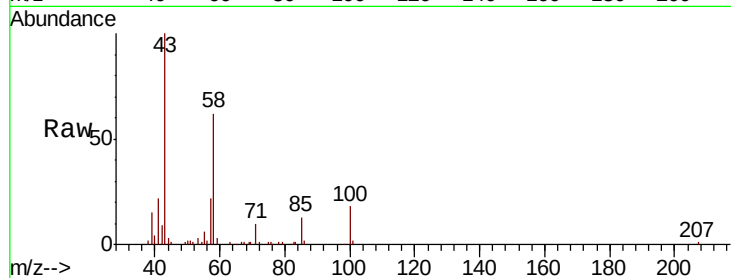
#59
2-Hexanone
Concen: 107.750 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	43	Resp	67988
Ion Ratio	43	100	
Lower	58	60.5	30.3
Upper			90.9

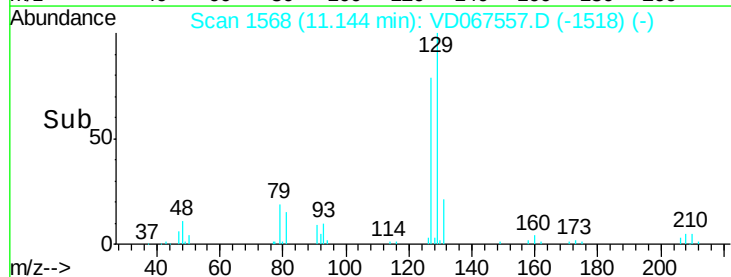
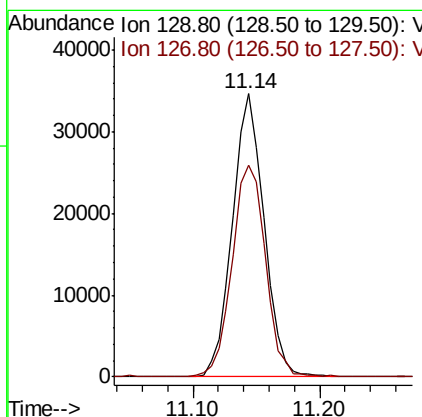
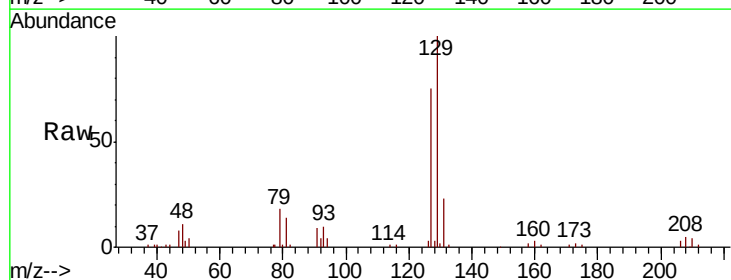
Manual Integrations
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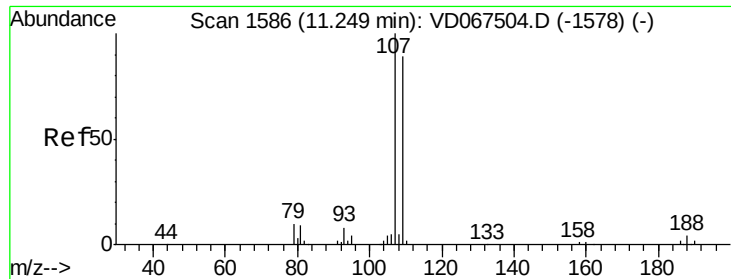
MMDadoda
11/10/2020 1:11:48 PM



#60
Dibromochloromethane
Concen: 22.326 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	129	Resp	59799
Ion Ratio	129	100	
Lower	127	78.9	38.0
Upper			114.1





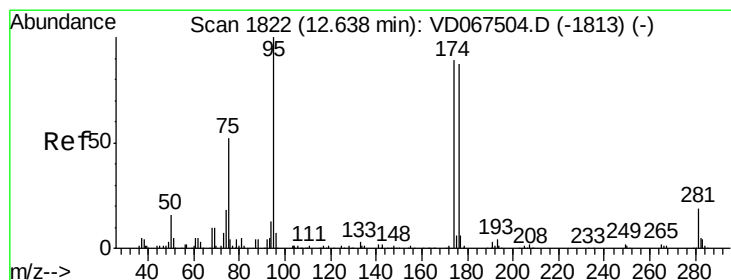
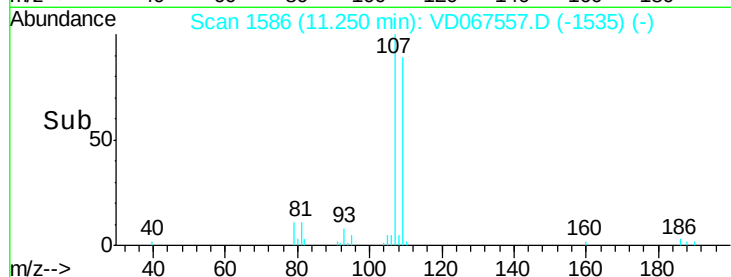
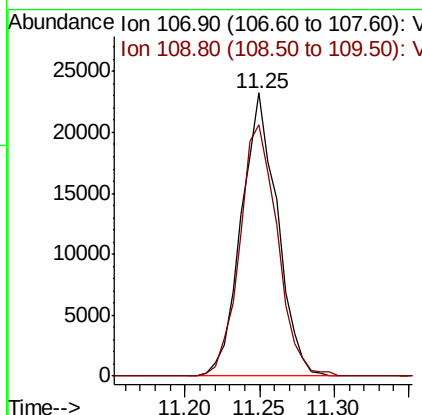
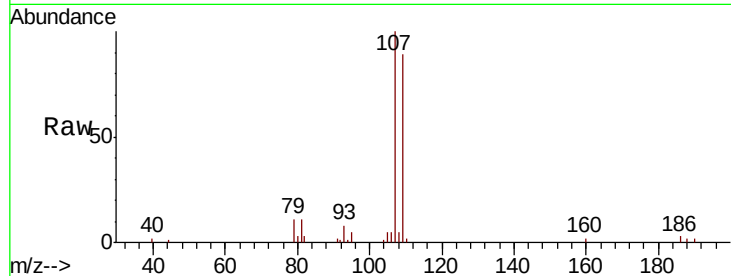
#61
 1,2-Dibromoethane
 Concen: 21.328 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.0	74.6	111.8

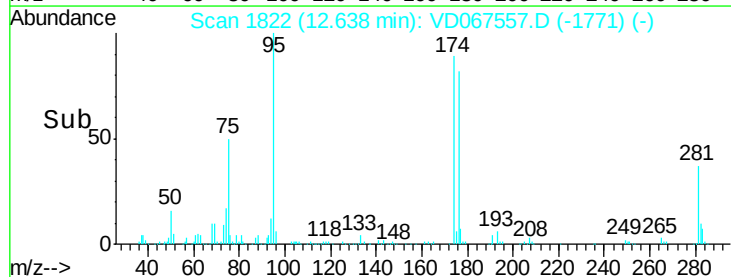
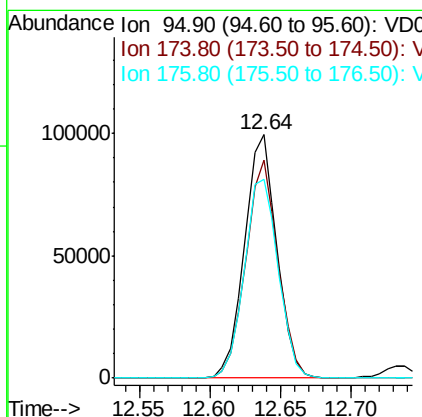
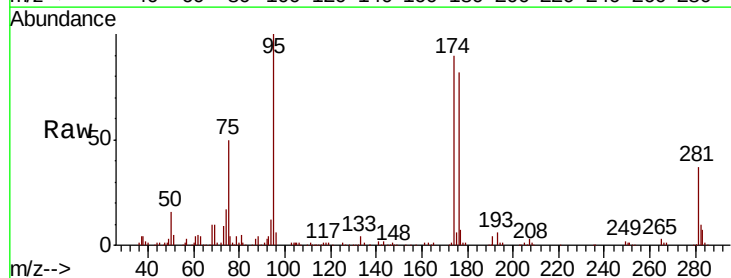
Manual Integrations
 APPROVED

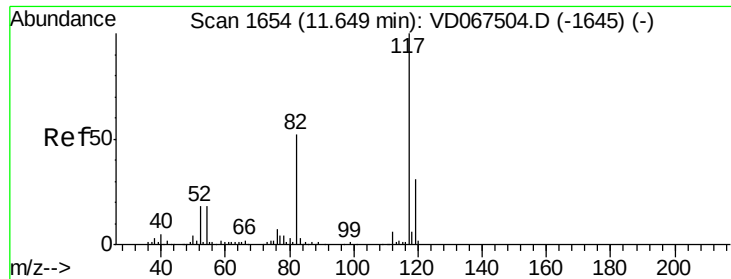
MMDadoda
 11/10/2020 1:11:48 PM



#62
 4-Bromofluorobenzene
 Concen: 50.847 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.1	0.0	177.8
176	86.1	0.0	172.0





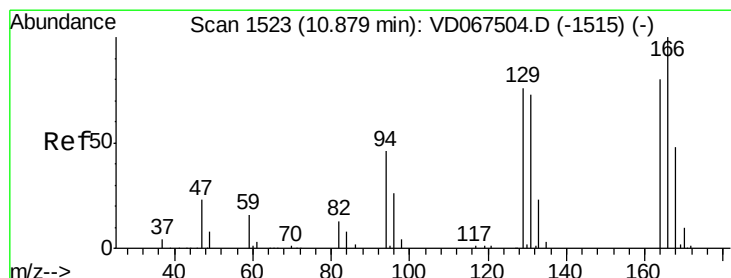
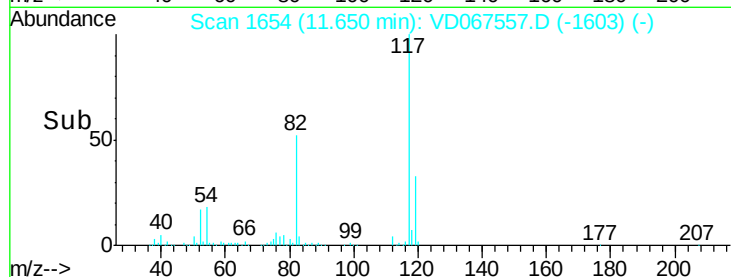
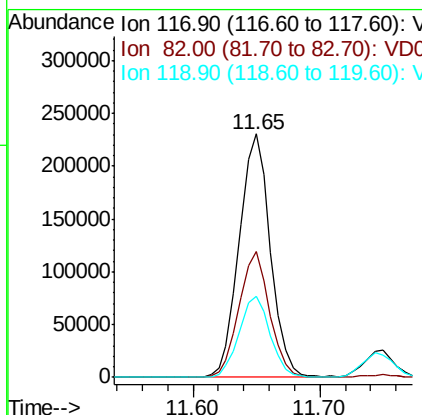
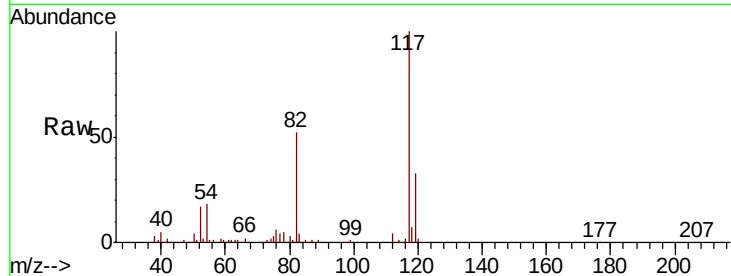
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.8	41.6	62.4
119	33.4	25.1	37.7

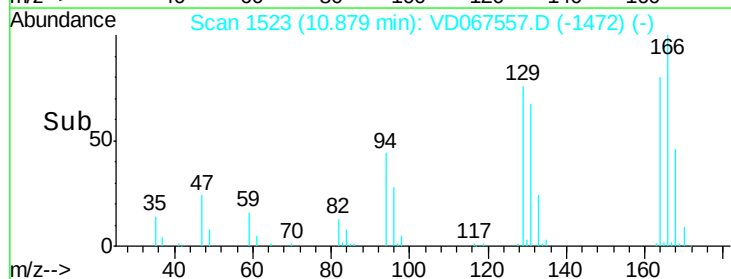
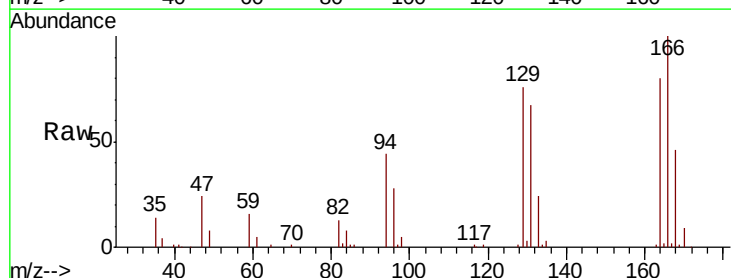
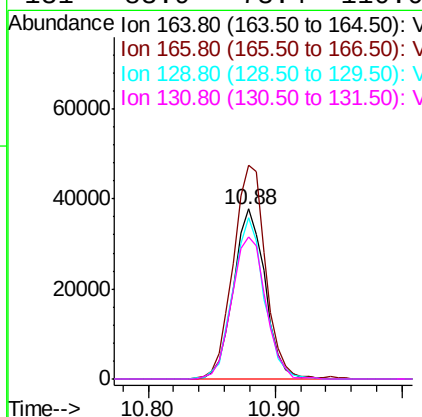
Manual Integrations
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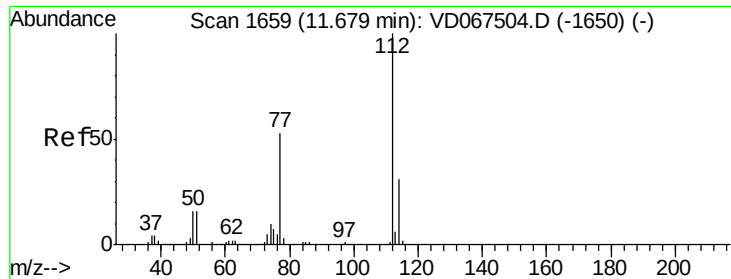
MMDadoda
11/10/2020 1:11:48 PM



#64
Tetrachloroethene
Concen: 22.355 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.6	99.9	149.9
129	95.1	75.5	113.3
131	83.9	73.4	110.0





#65

Chlorobenzene

Concen: 22.082 ug/l

RT: 11.67 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion:112 Resp: 167282

Ion Ratio Lower Upper

112 100

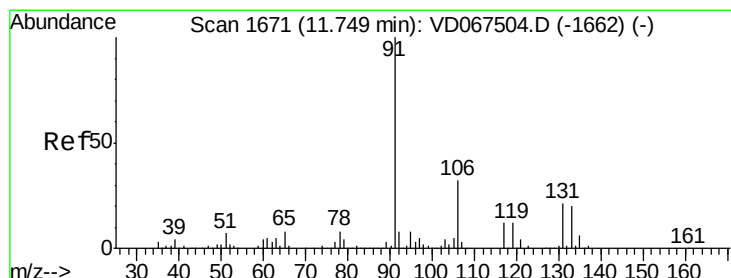
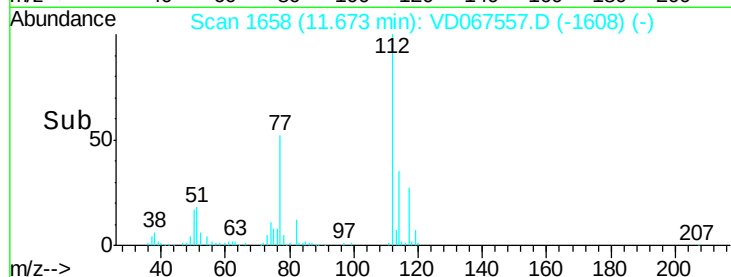
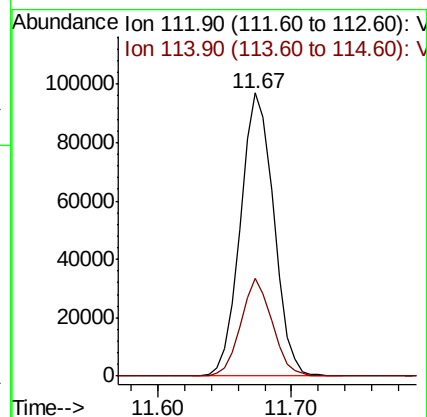
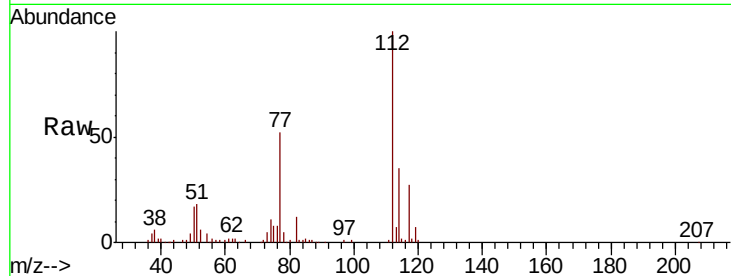
114 34.6 24.9 37.3

Manual Integrations

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11/10/2020 1:11:48 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 22.013 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

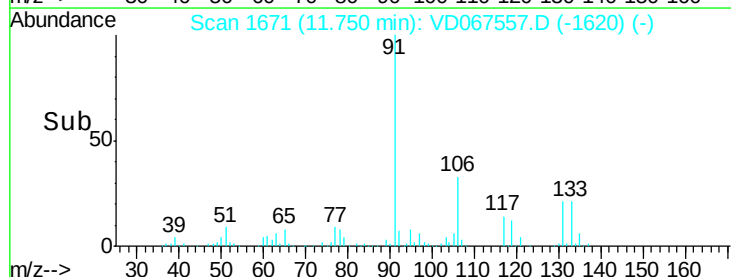
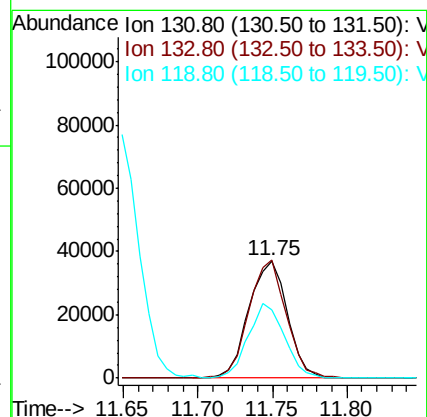
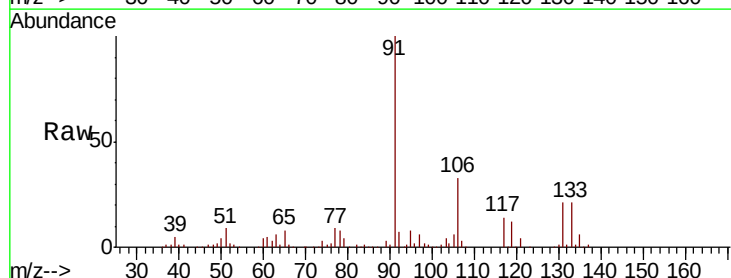
Tgt Ion:131 Resp: 65724

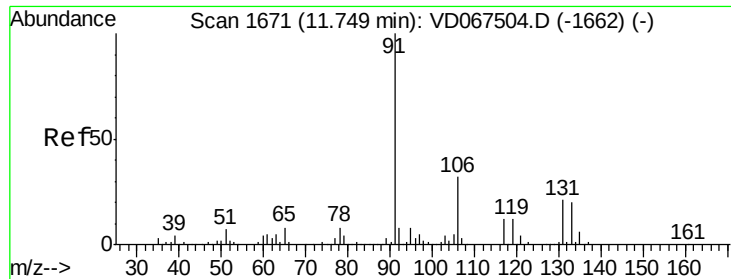
Ion Ratio Lower Upper

131 100

133 98.3 48.0 144.0

119 60.5 30.1 90.5





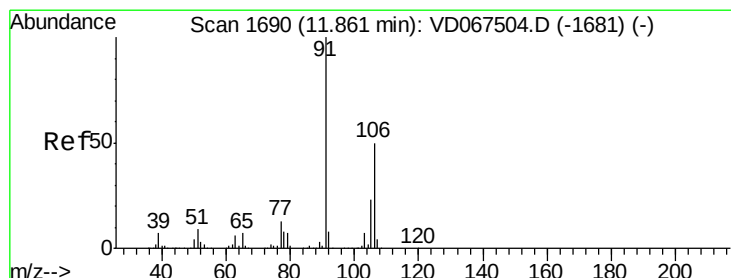
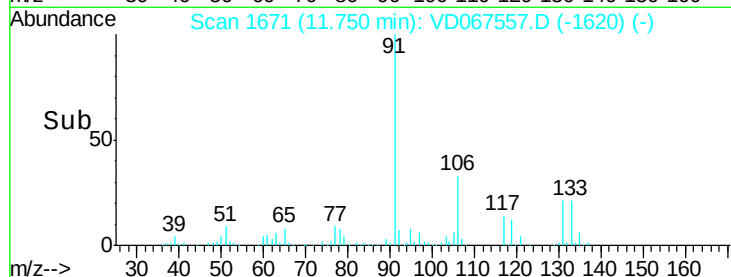
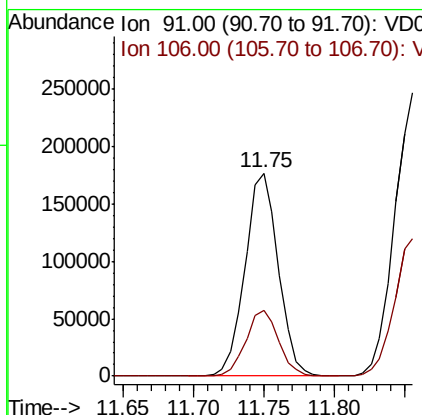
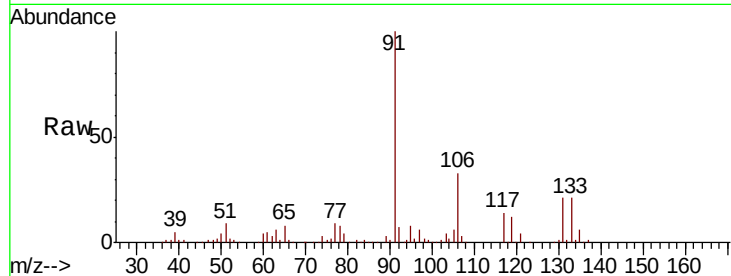
#67
Ethyl Benzene
Concen: 22.625 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.7	38.5

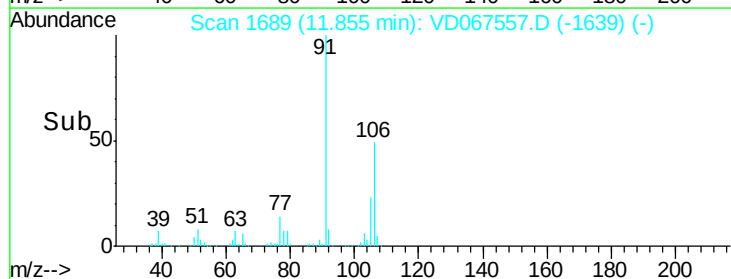
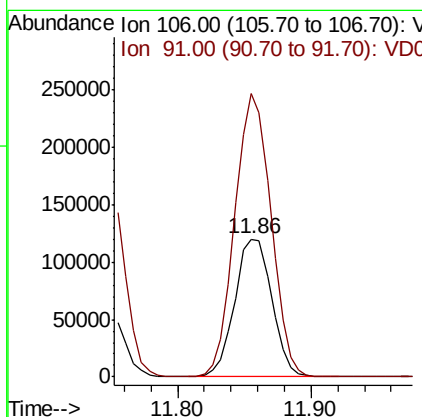
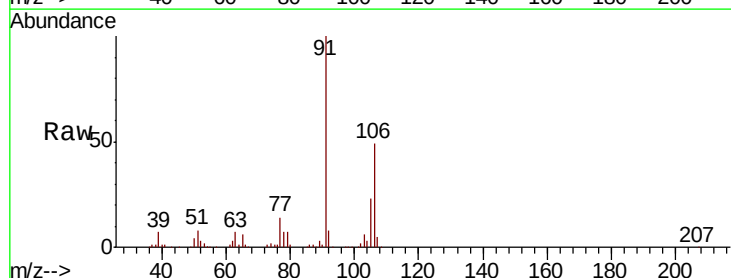
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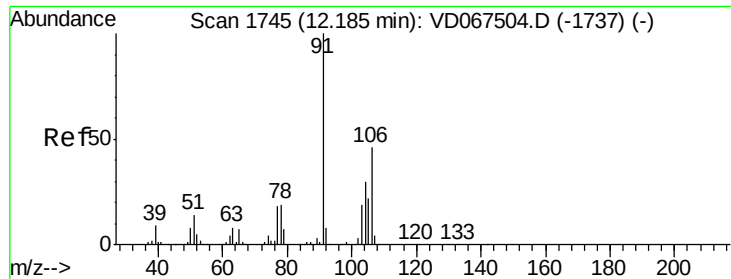
MMDadoda
11/10/2020 1:11:48 PM



#68
m/p-Xylenes
Concen: 45.815 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
106	100		
91	202.0	162.6	244.0





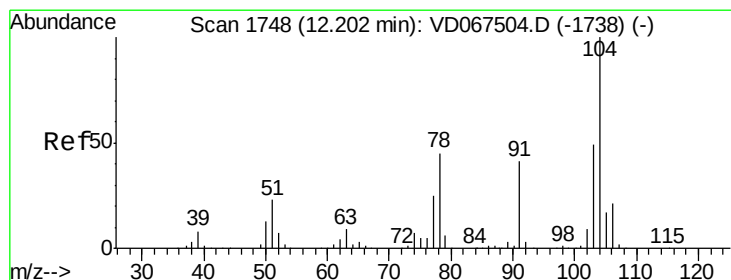
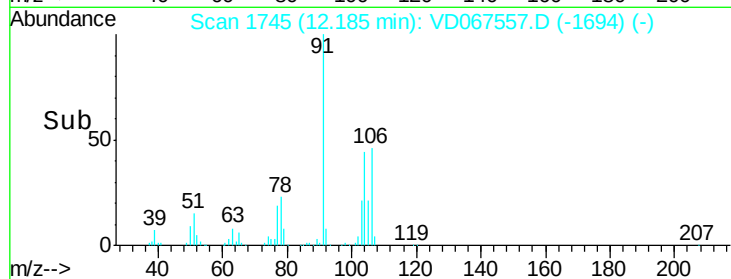
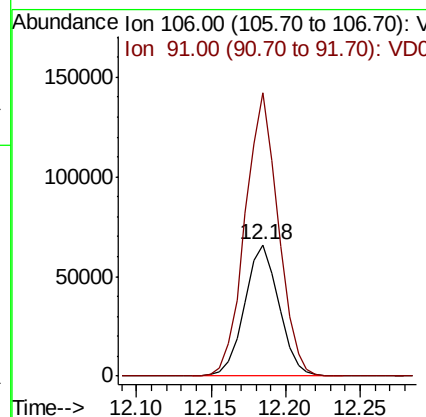
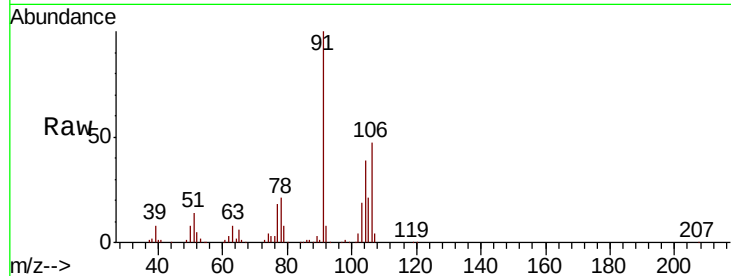
#69
o-Xylene
Concen: 23.319 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	208.3	107.1	321.1

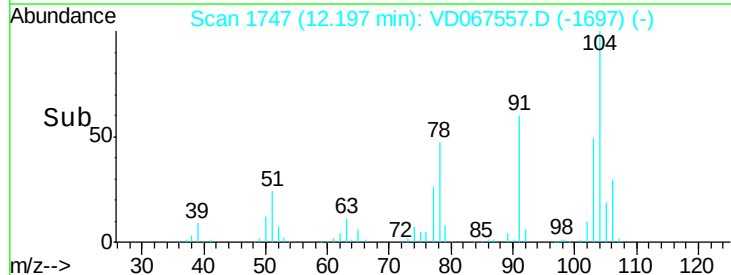
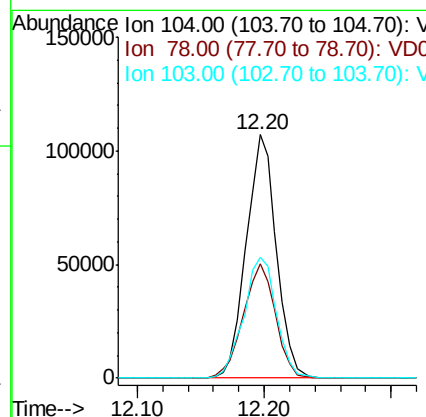
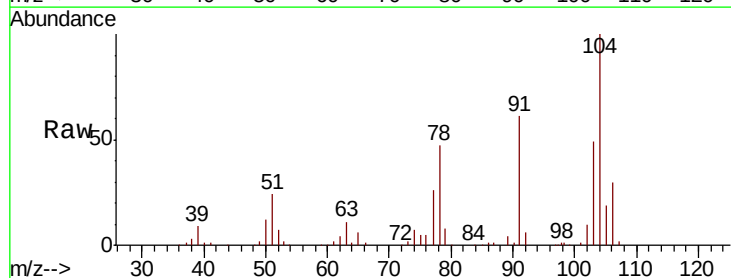
Manual Integrations
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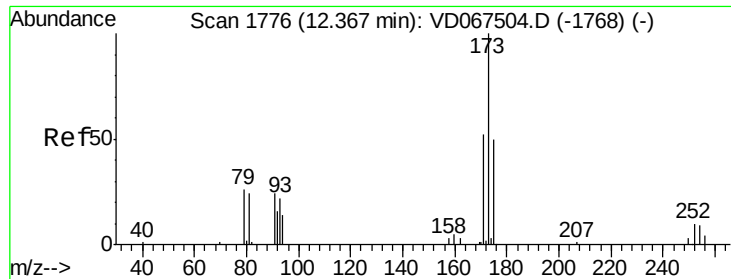
MMDadoda
11/10/2020 1:11:48 PM



#70
Styrene
Concen: 22.438 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.4	39.8	59.8
103	103	54.0	43.9	65.9





#71

Bromoform

Concen: 22.237 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion:173 Resp: 33862

Ion Ratio Lower Upper

173 100

175 52.8 24.1 72.2

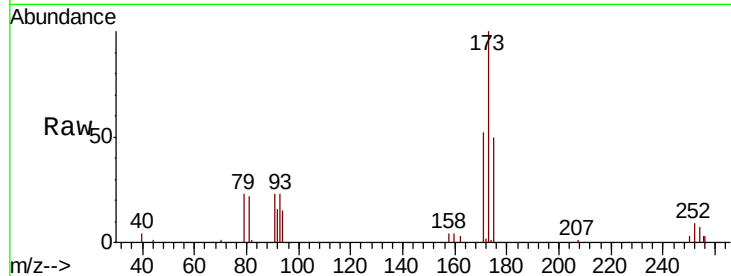
254 0.0 0.0 0.0

Manual Integrations

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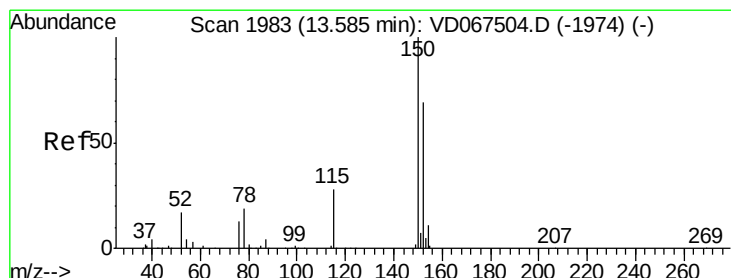
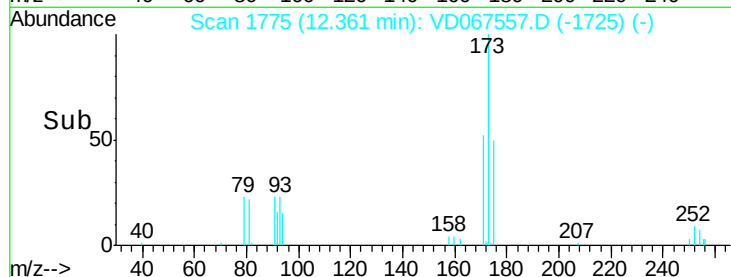
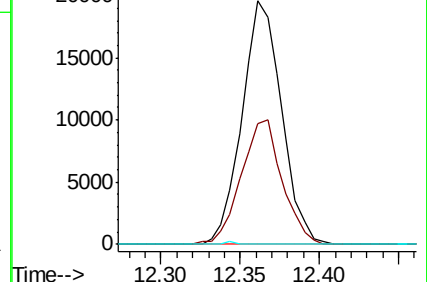
11/10/2020 1:11:48 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

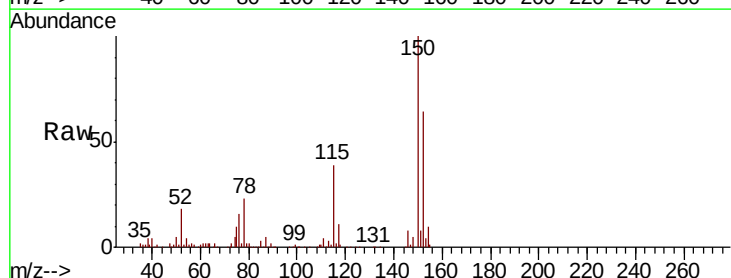
Tgt Ion:152 Resp: 198000

Ion Ratio Lower Upper

152 100

115 60.1 29.3 88.0

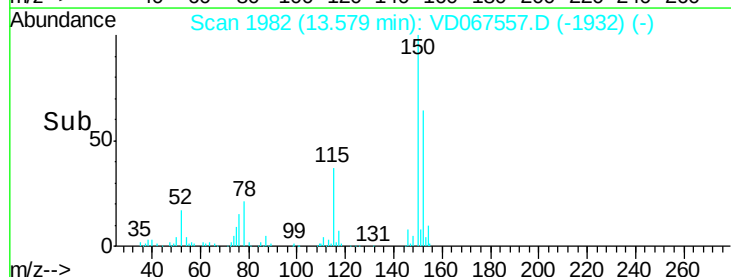
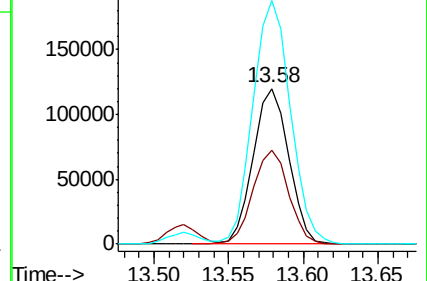
150 165.2 0.0 338.2

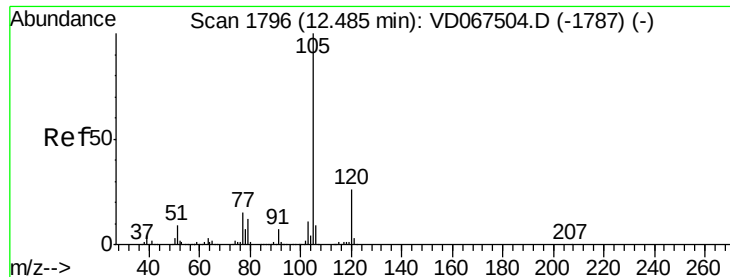


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





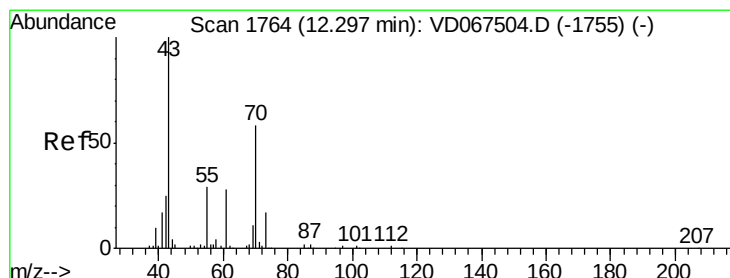
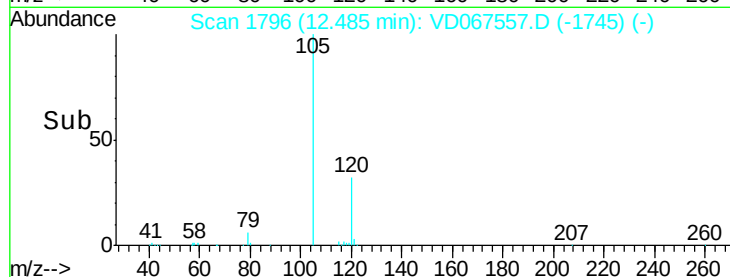
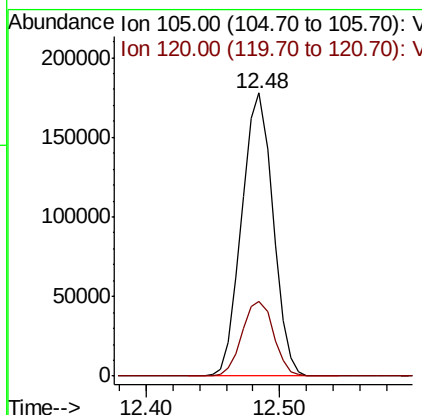
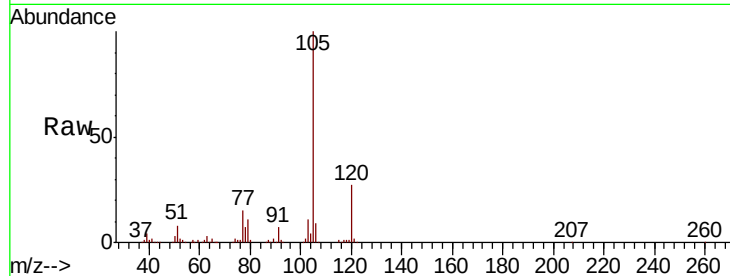
#73
Isopropylbenzene
Concen: 22.583 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.6

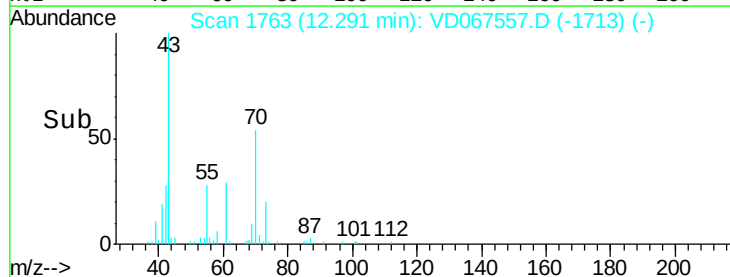
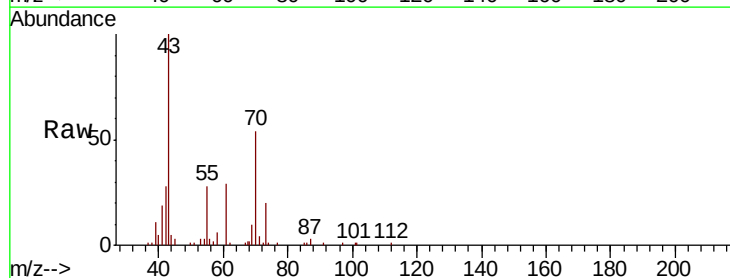
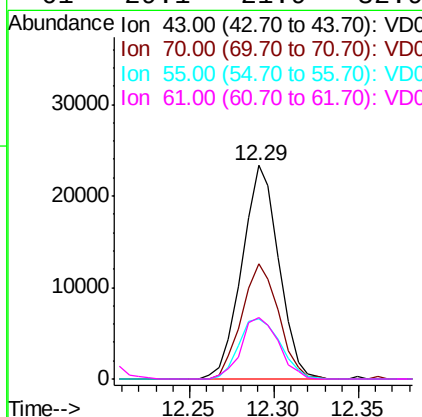
Manual Integrations
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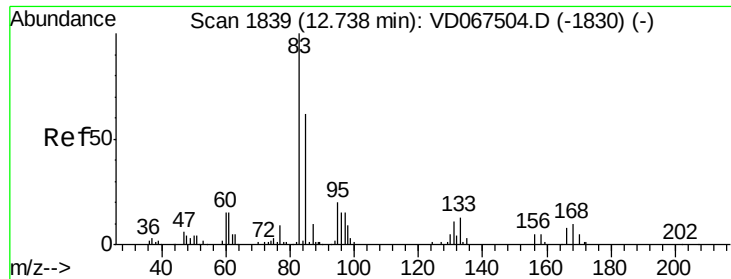
MMDadoda
11/10/2020 1:11:48 PM



#74
N-ethyl acetate
Concen: 21.054 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
43	100		
70	53.9	42.6	64.0
55	31.9	23.7	35.5
61	29.1	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 20.466 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

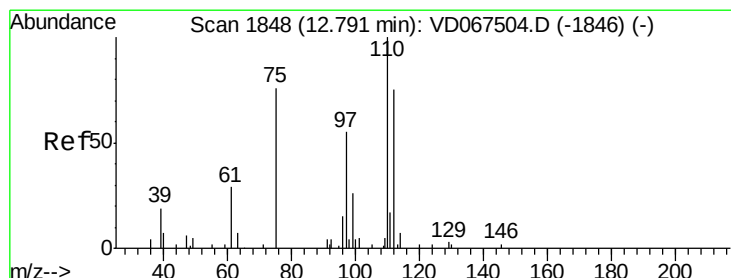
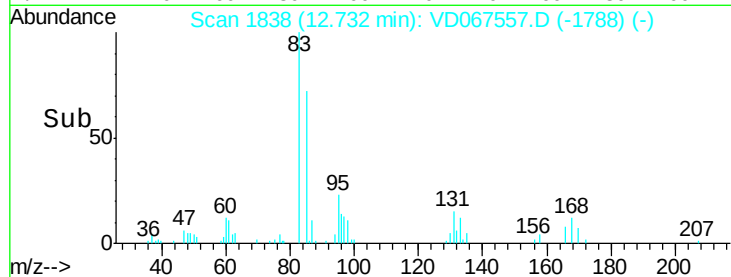
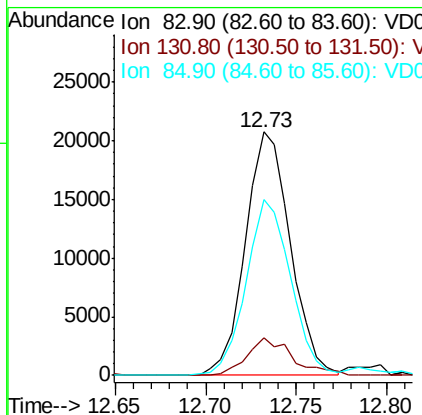
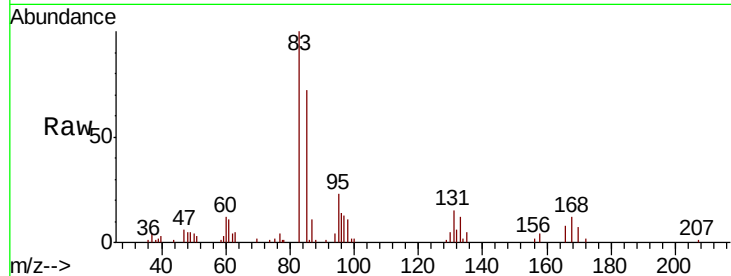
ClientSampleId :

VD1109SBS01

Tot Ion:	83	Resp:	35711
Ion Ratio	Lower	Upper	
83	100		
131	15.5	7.1	21.3
85	71.6	32.9	98.7

Manual Integrations
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11/10/2020 1:11:48 PM



#76

1,2,3-Trichloropropane

Concen: 18.903 ug/l m

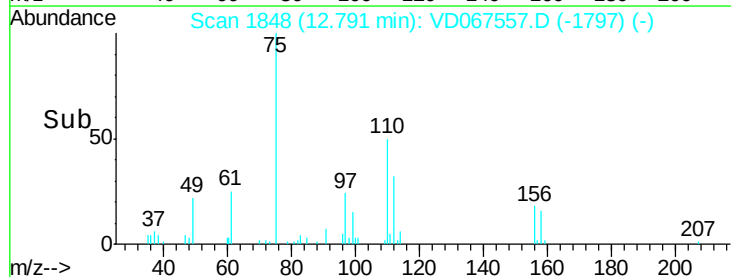
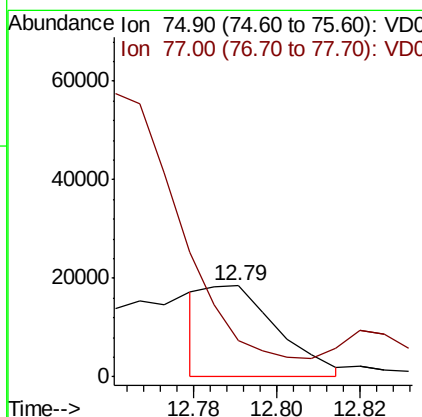
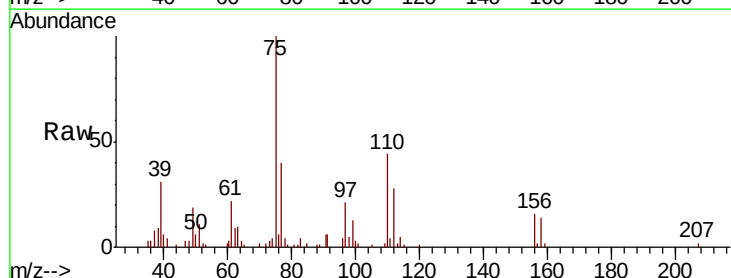
RT: 12.79 min Scan# 1848

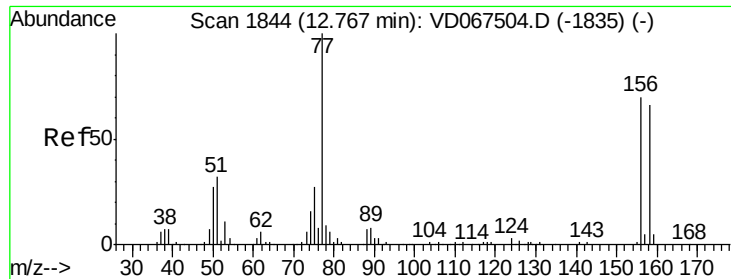
Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Tgt Ion:	75	Resp:	22579
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 22.189 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

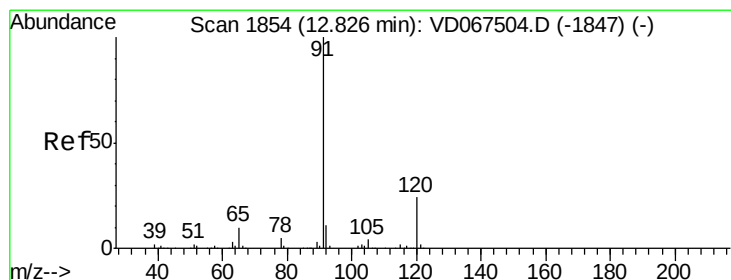
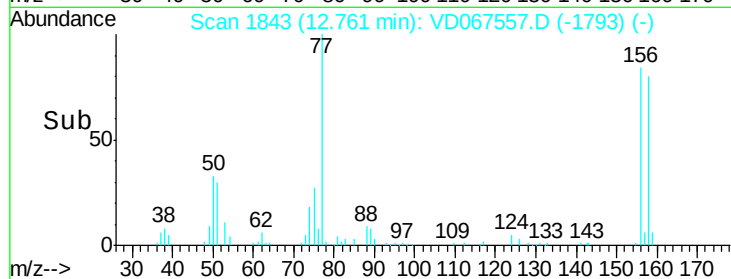
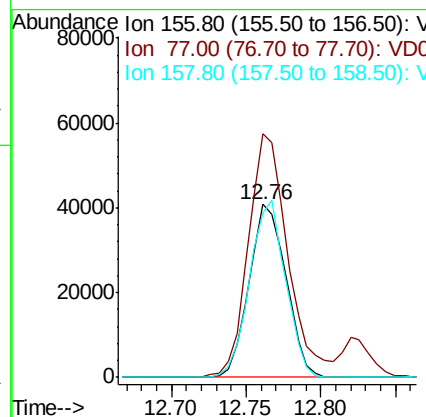
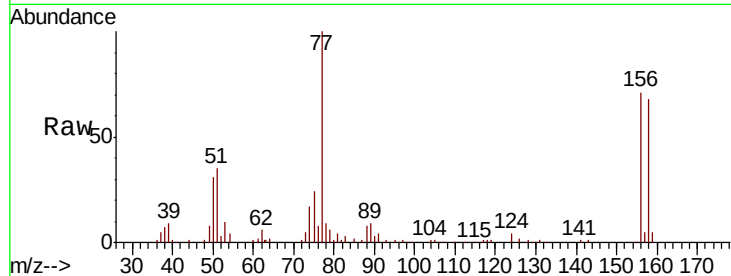
ClientSampleId :

VD1109SBS01

Tot Ion:	156	Resp:	69732
Ion	Ratio	Lower	Upper
156	100		
77	151.2	77.8	233.5
158	99.6	47.9	143.7

Manual Integrations
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11/10/2020 1:11:48 PM



#78

n-propylbenzene

Concen: 22.867 ug/l

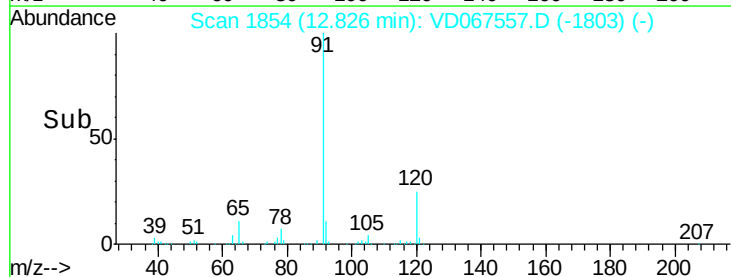
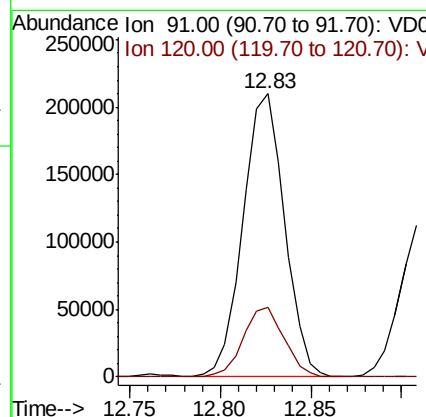
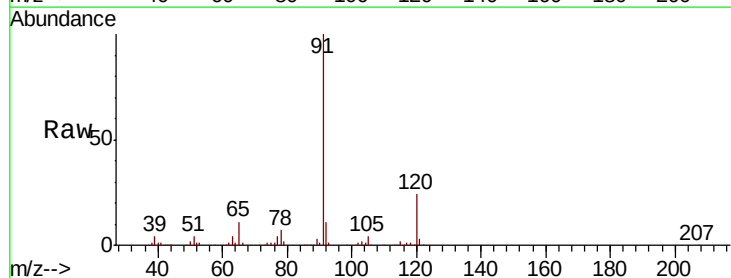
RT: 12.83 min Scan# 1854

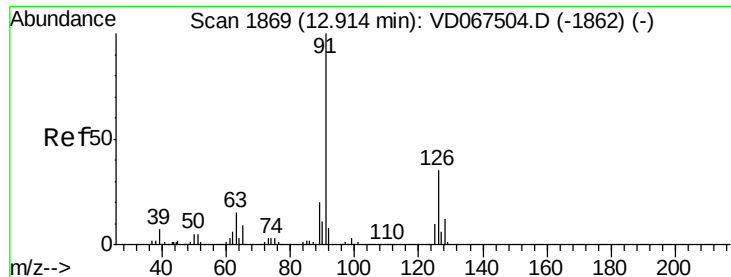
Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Tgt Ion:	91	Resp:	334707
Ion	Ratio	Lower	Upper
91	100		
120	24.2	12.2	36.4





#79

2-Chlorotoluene

Concen: 22.857 ug/l

RT: 12.91 min Scan# 1868

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion: 91 Resp: 190045

Ion Ratio Lower Upper

91 100

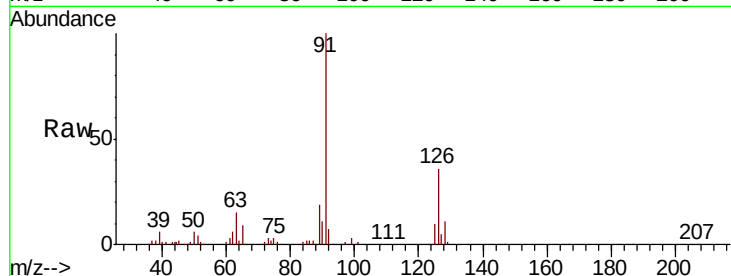
126 37.1 17.8 53.4

Manual Integrations

APPROVED

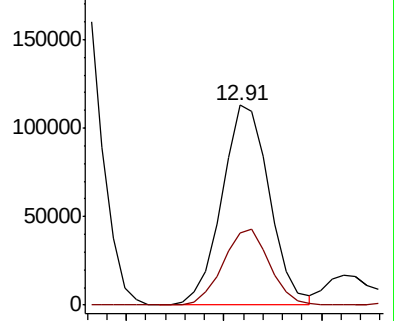
MMDadoda

11/10/2020 1:11:48 PM

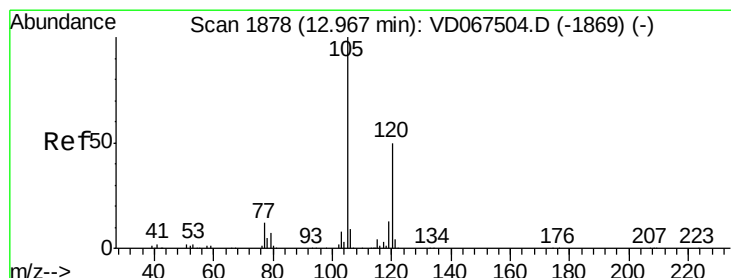
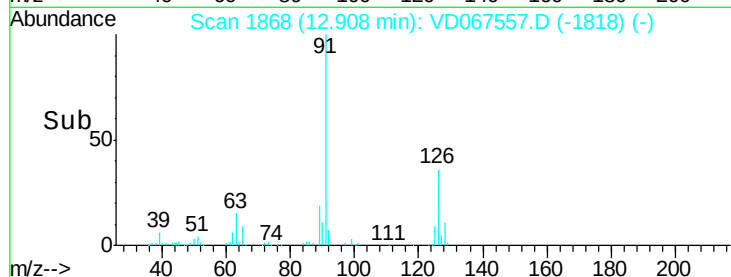


Abundance Ion 91.00 (90.70 to 91.70): VD067504.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD067504.D (-1862) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.610 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067557.D

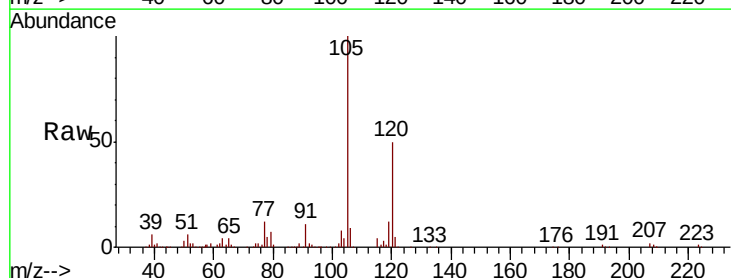
Acq: 09 Nov 2020 11:18

Tgt Ion:105 Resp: 247155

Ion Ratio Lower Upper

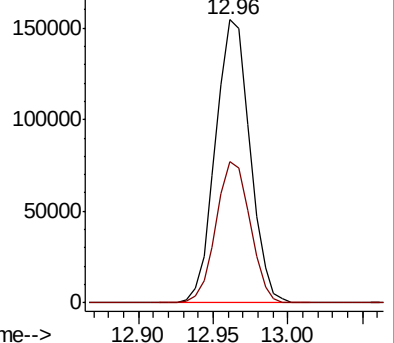
105 100

120 49.2 24.3 72.8

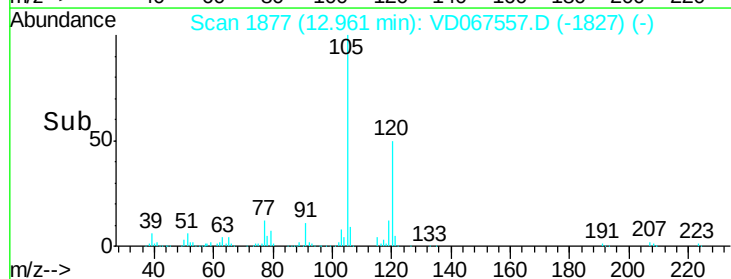


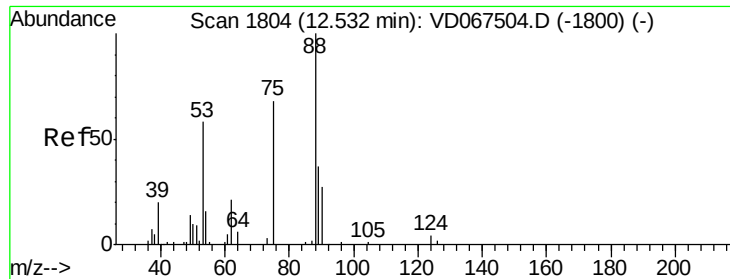
Abundance Ion 105.00 (104.70 to 105.70): VD067504.D (-1869) (-)

Ion 120.00 (119.70 to 120.70): VD067504.D (-1869) (-)



Time-->





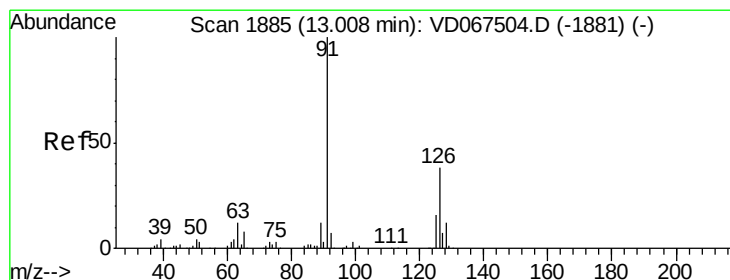
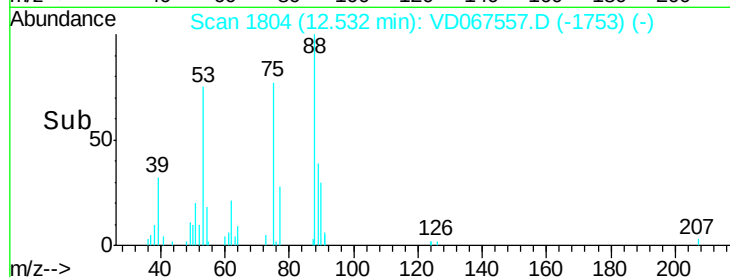
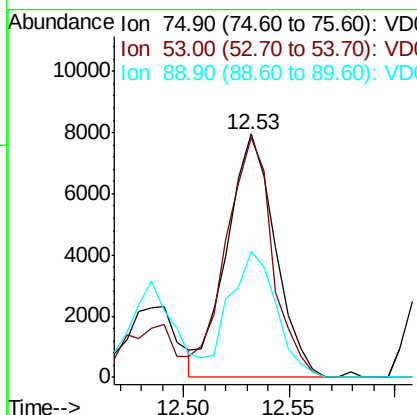
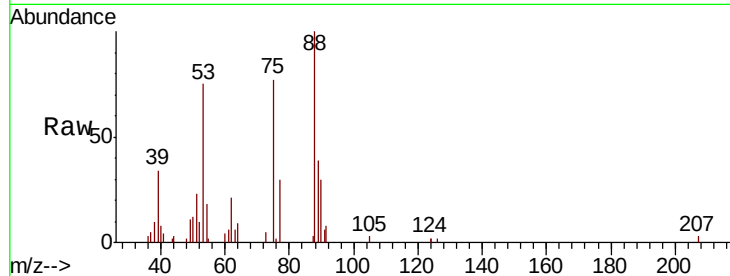
#81
trans-1,4-Dichloro-2-butene
Concen: 21.352 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	94.7	75.9	113.9
89	50.4	44.6	67.0

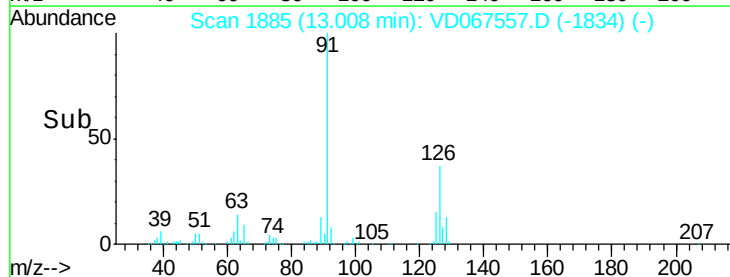
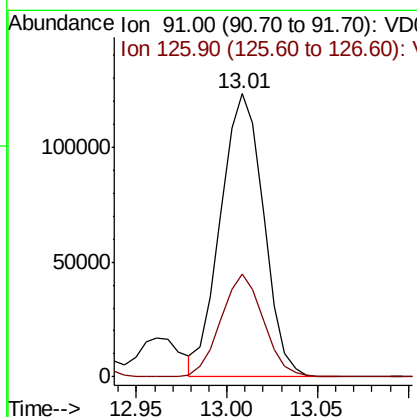
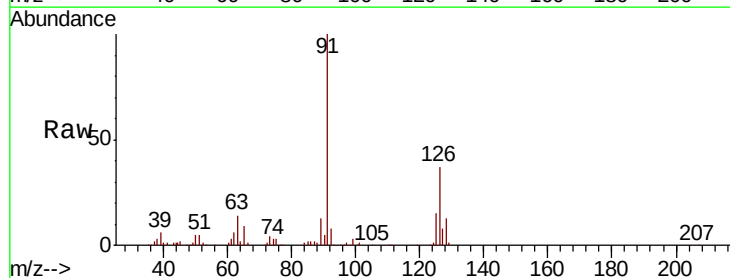
Manual Integrations
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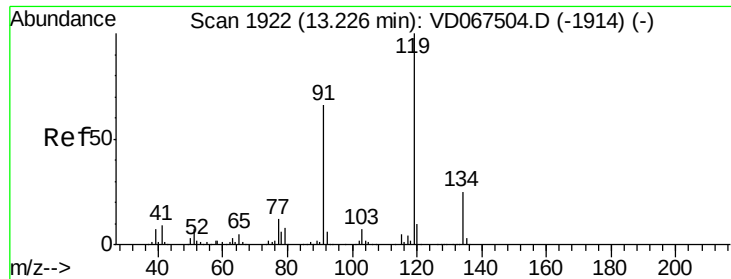
MMDadoda
11/10/2020 1:11:48 PM



#82
4-Chlorotoluene
Concen: 22.795 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.9	53.7





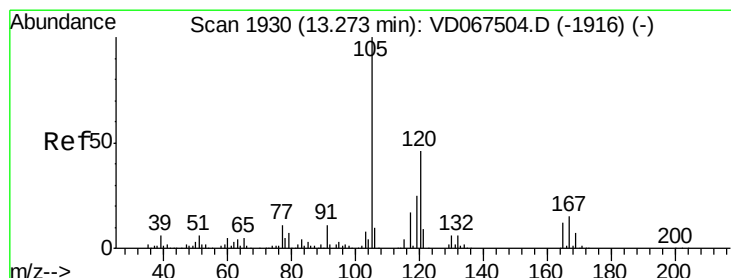
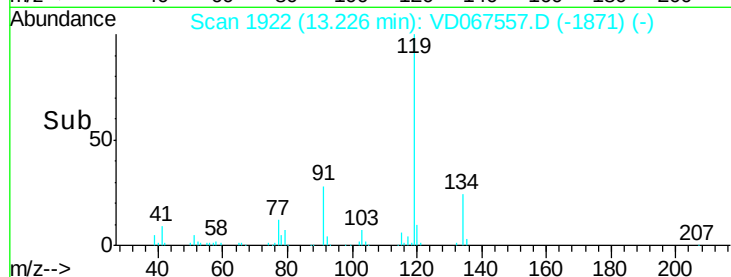
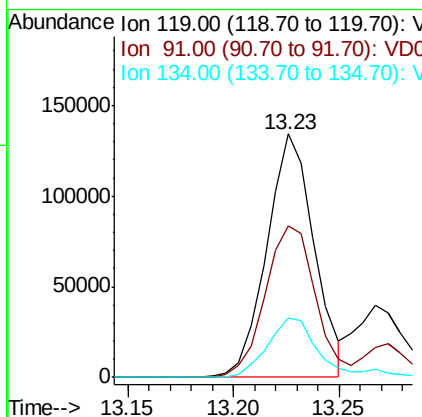
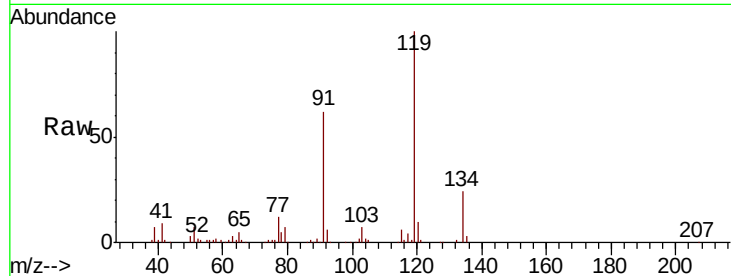
#83
 tert-Butylbenzene
 Concen: 22.522 ug/l
 RT: 13.23 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.5	32.7	98.1
134	25.4	13.4	40.2

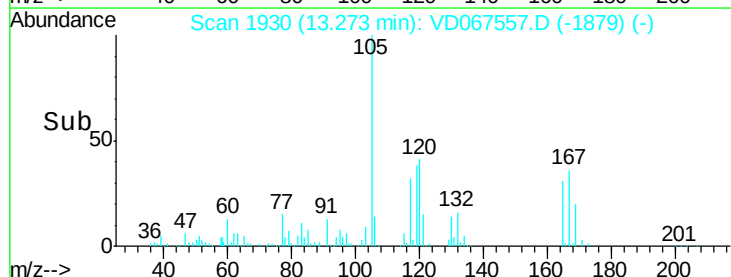
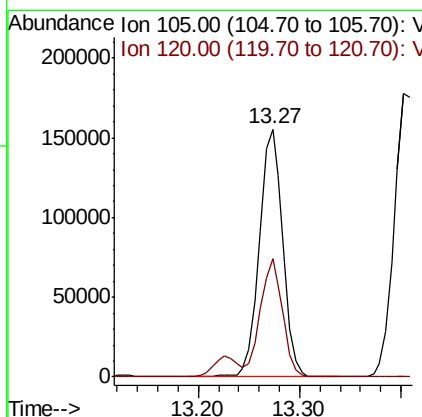
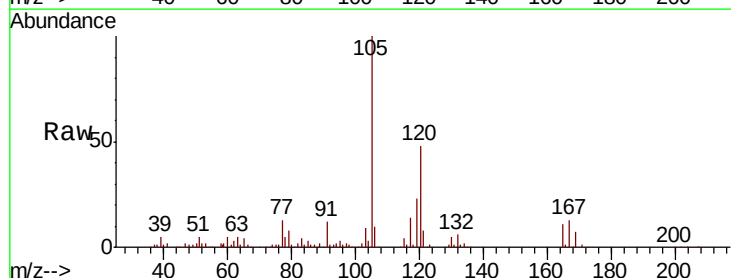
Manual Integrations
 APPROVED

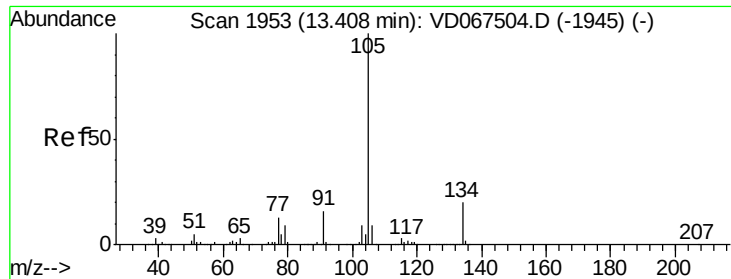
MMDadoda
 11/10/2020 1:11:48 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 22.972 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.1	66.1





#85

sec-Butylbenzene

Concen: 22.521 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

Instrument :

MSVOA_D

ClientSampleId :

VD1109SBS01

Tot Ion:105 Resp: 281659

Ion Ratio Lower Upper

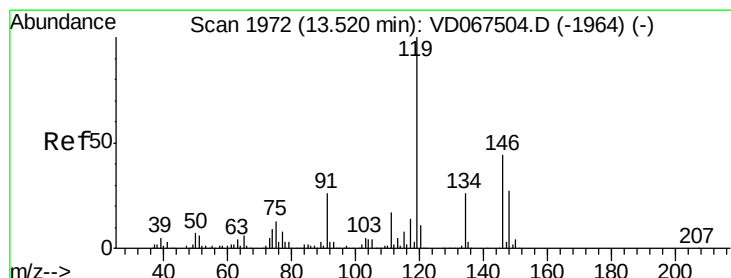
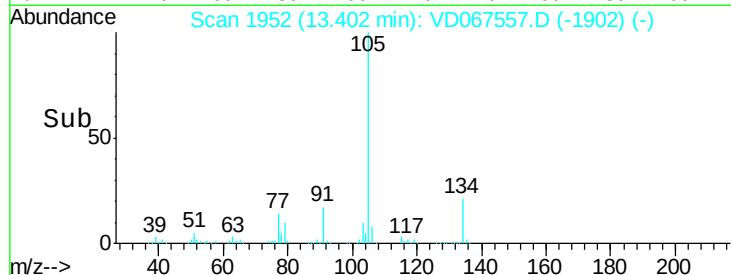
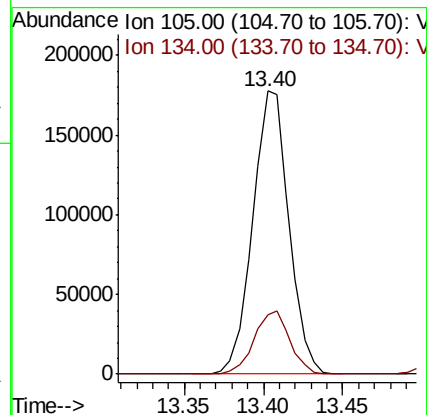
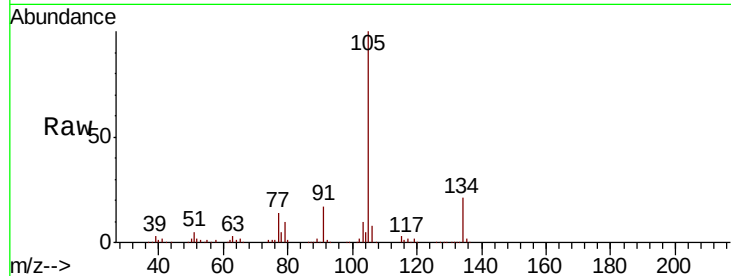
105 100

134 22.1 10.4 31.4

Manual Integrations
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11/10/2020 1:11:48 PM



#86

p-Isopropyltoluene

Concen: 23.070 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067557.D

Acq: 09 Nov 2020 11:18

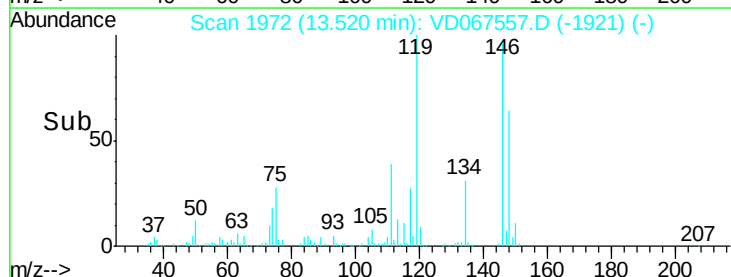
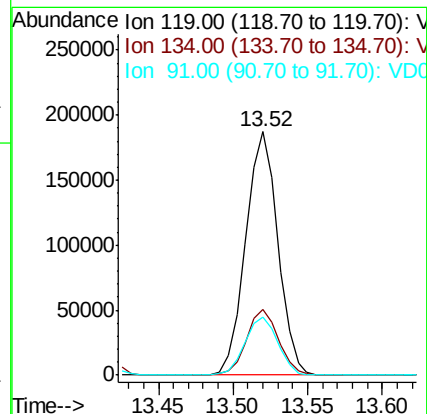
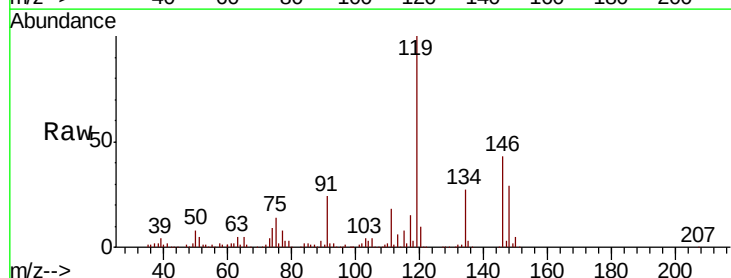
Tgt Ion:119 Resp: 278624

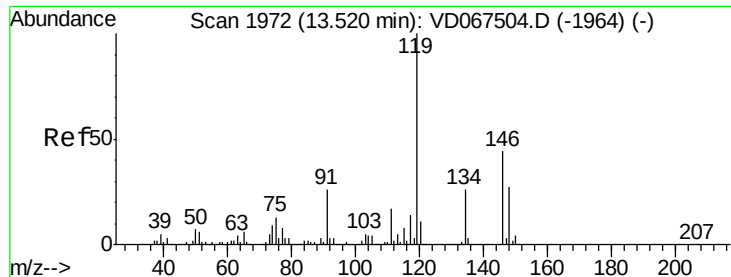
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.3

91 24.4 12.2 36.4





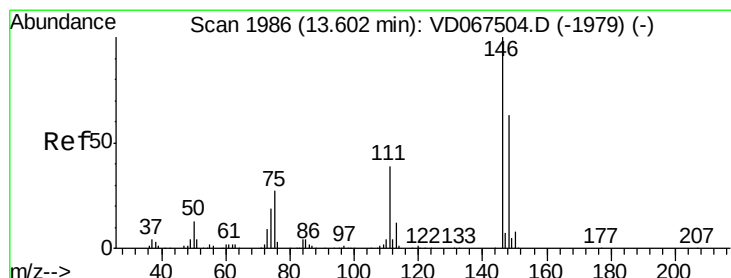
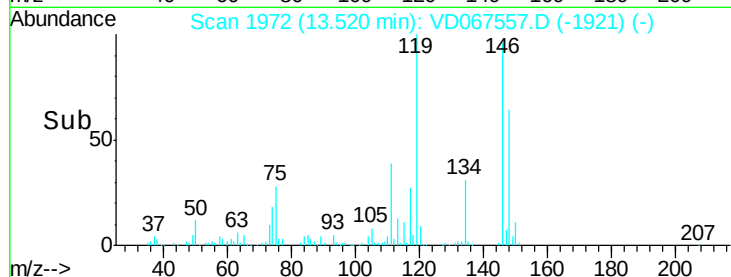
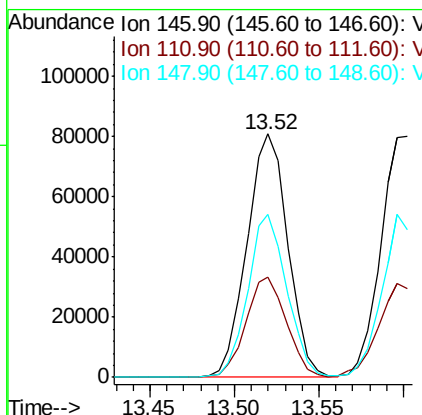
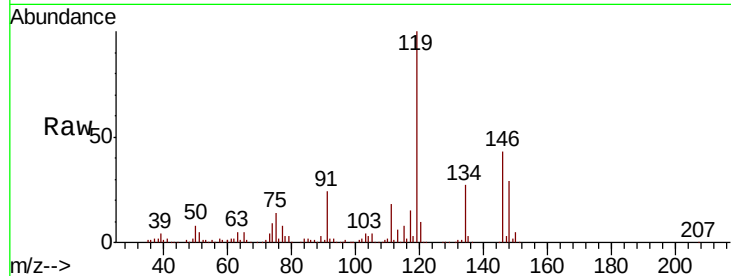
#87
 1,3-Dichlorobenzene
 Concen: 22.759 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	20.3	60.8
148	63.9	31.9	95.9

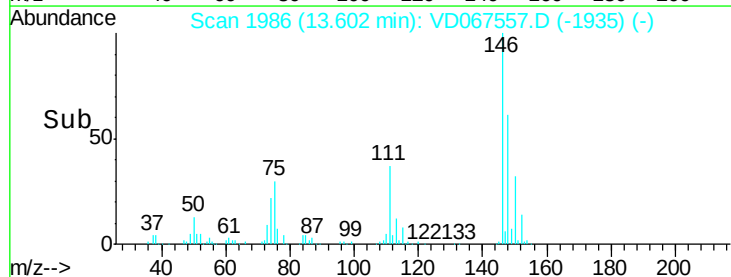
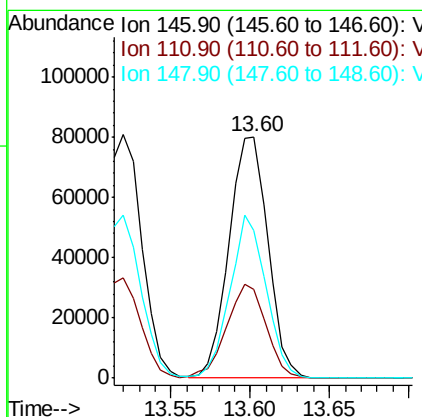
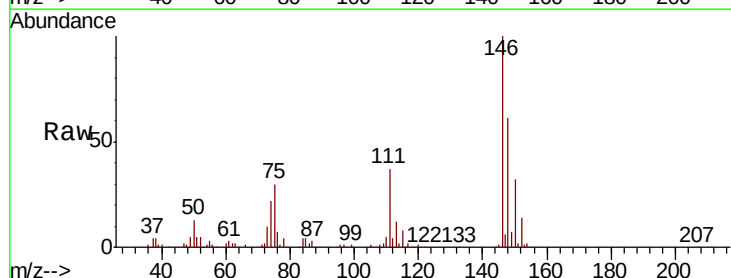
Manual Integrations
 APPROVED

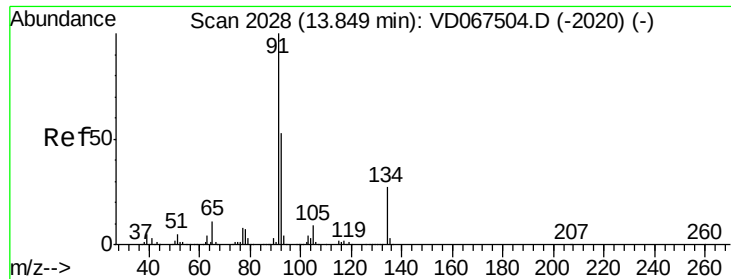
MMDadoda
 11/10/2020 1:11:48 PM



#88
 1,4-Dichlorobenzene
 Concen: 22.447 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	63.0	31.8	95.4





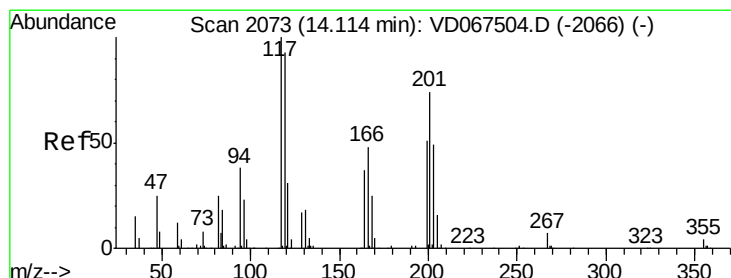
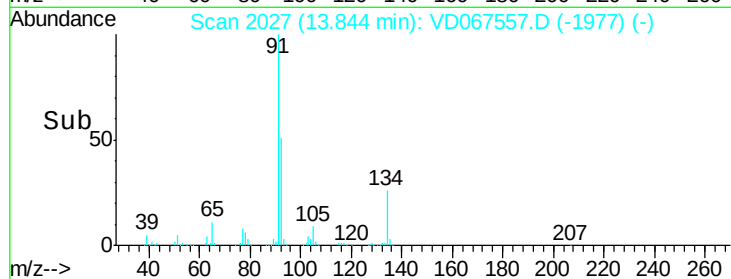
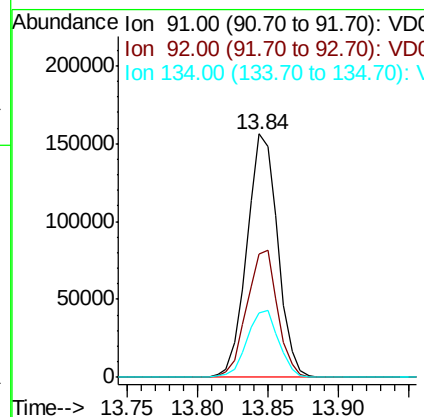
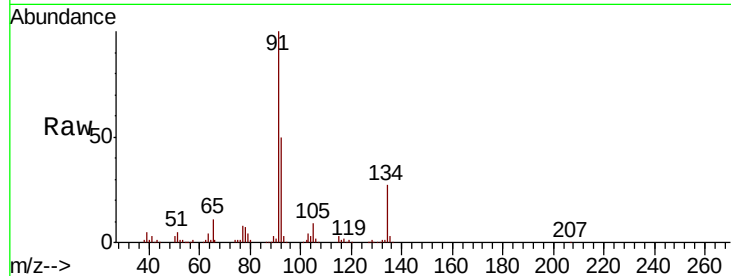
#89
n-Butylbenzene
Concen: 22.853 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.4	26.6	79.8
134	28.3	14.1	42.2

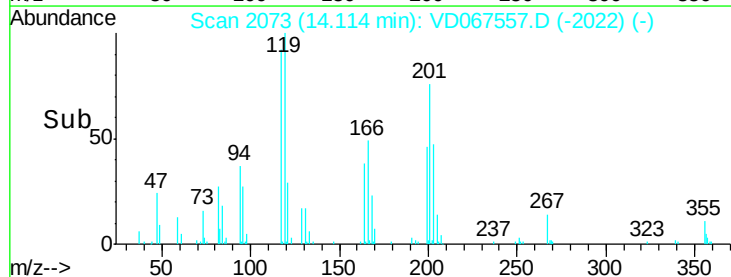
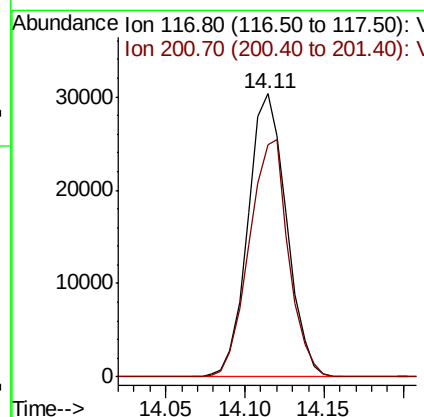
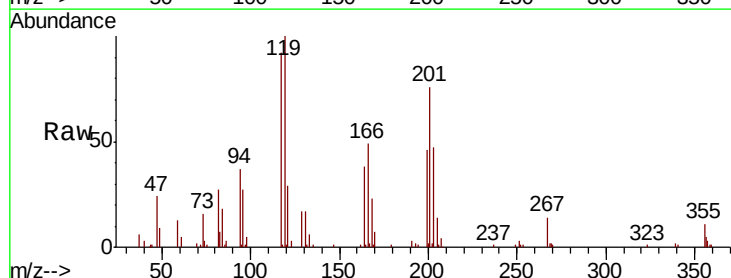
Manual Integrations
APPROVED

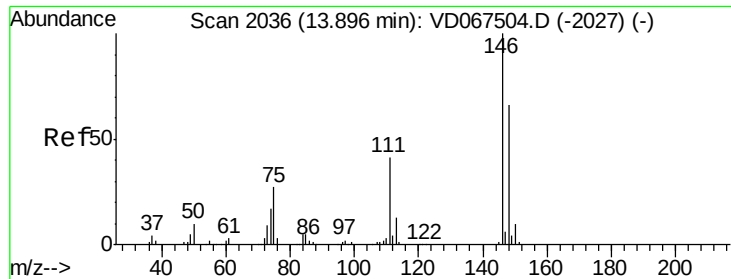
MMDadoda
11/10/2020 1:11:48 PM



#90
Hexachloroethane
Concen: 22.531 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
117	100		
201	85.5	40.7	122.1





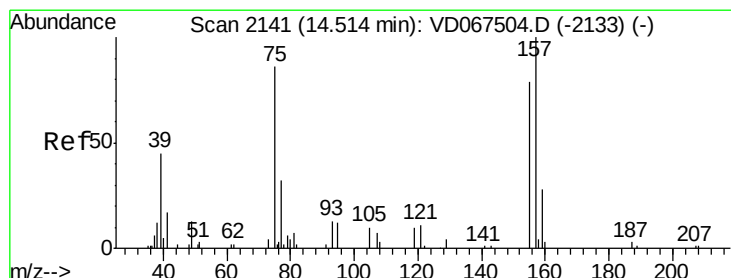
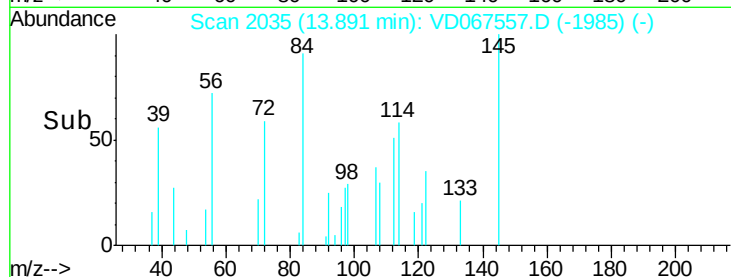
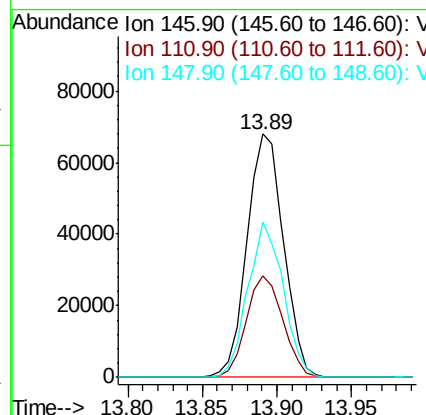
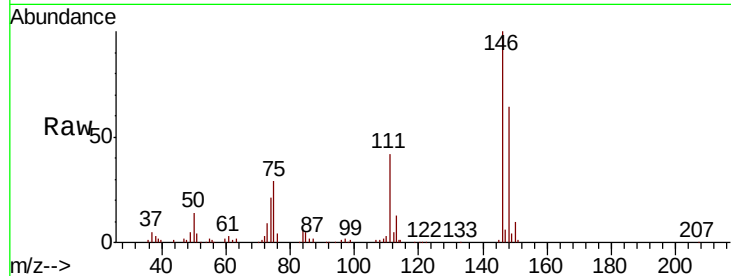
#91
 1,2-Dichlorobenzene
 Concen: 22.127 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.7	62.1
148	61.9	31.5	94.5

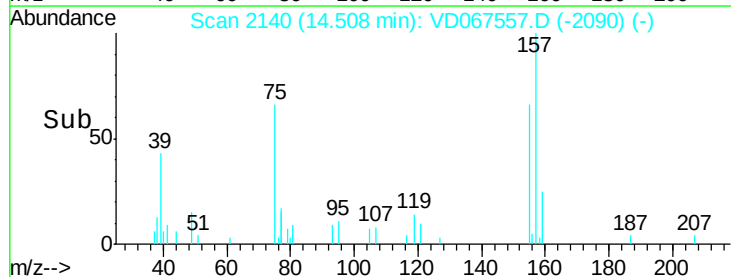
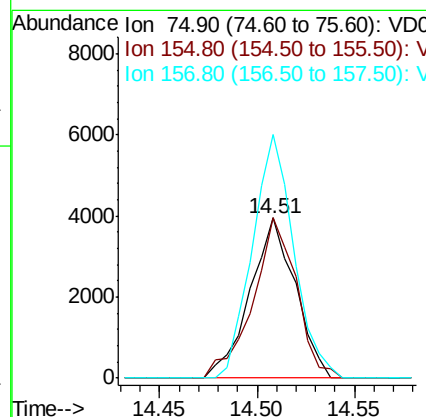
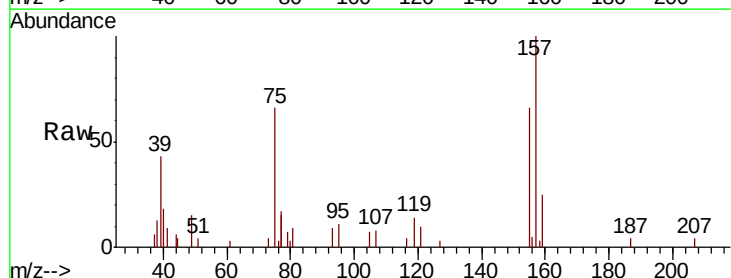
Manual Integrations
 APPROVED

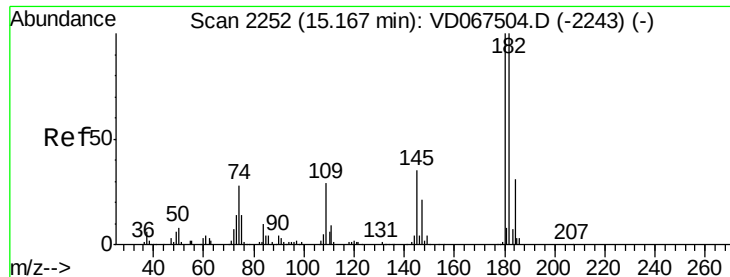
MMDadoda
 11/10/2020 1:11:48 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.518 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	46.6	139.8
157	139.4	58.1	174.2





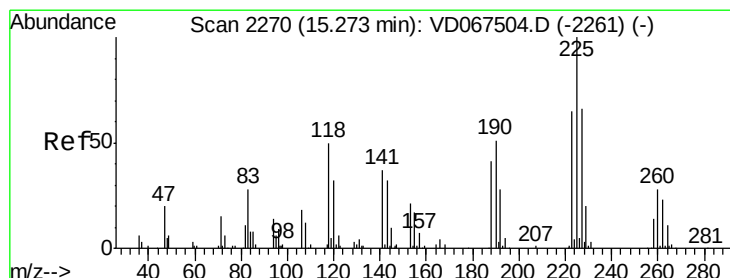
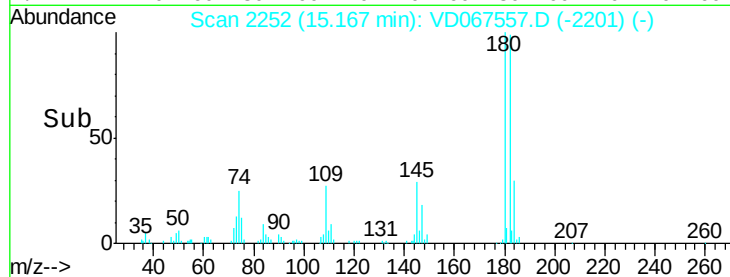
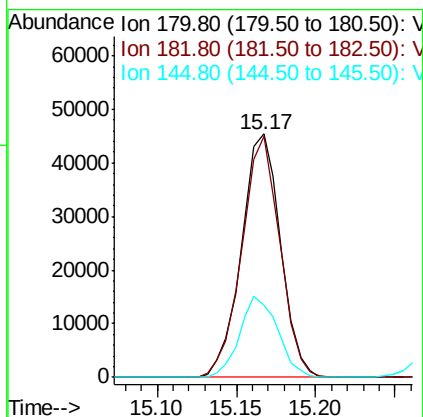
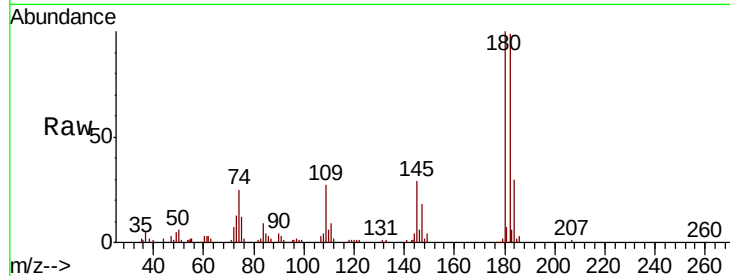
#93
 1,2,4-Trichlorobenzene
 Concen: 22.112 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1109SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	47.4	142.3
145	32.3	16.2	48.6

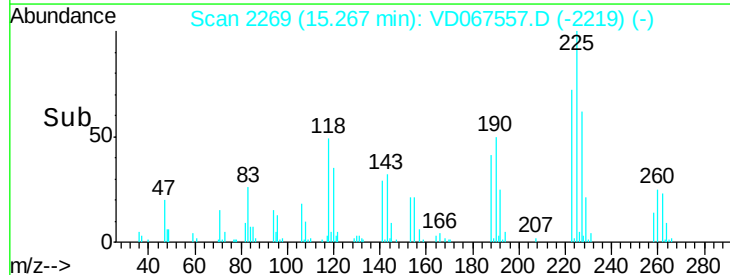
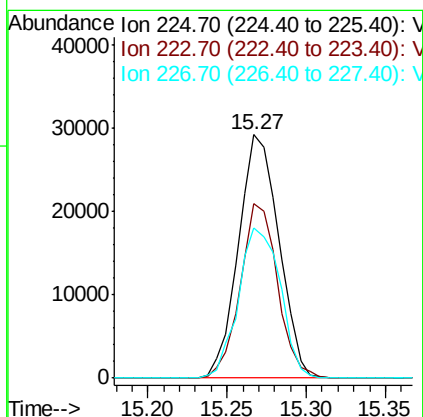
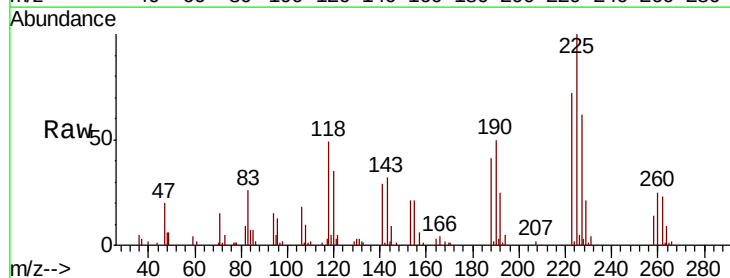
Manual Integrations
 APPROVED

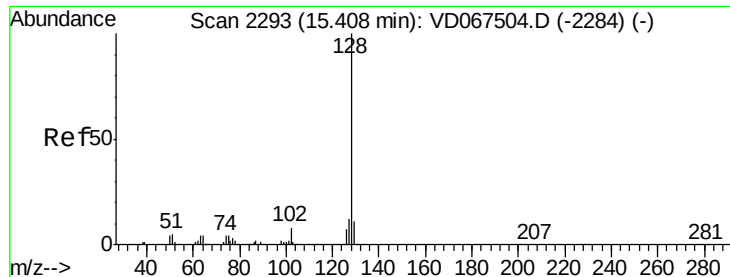
MMDadoda
 11/10/2020 1:11:48 PM



#94
 Hexachlorobutadiene
 Concen: 22.030 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067557.D
 Acq: 09 Nov 2020 11:18

Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.9	95.5
227	63.6	32.5	97.4





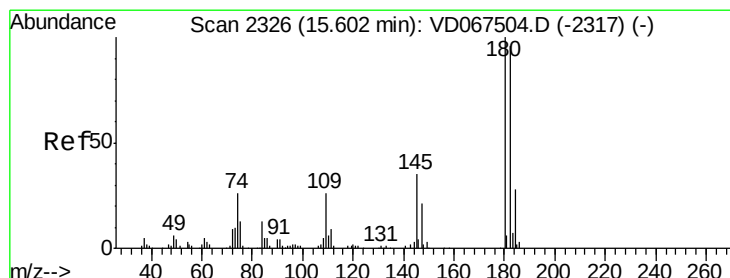
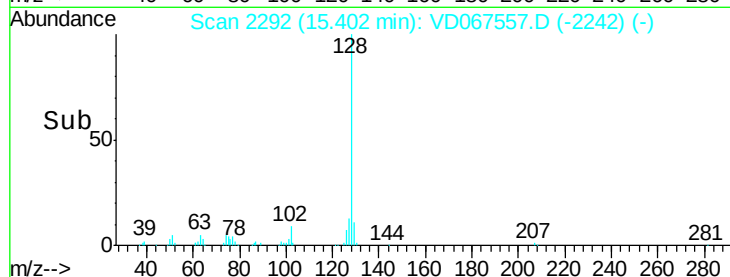
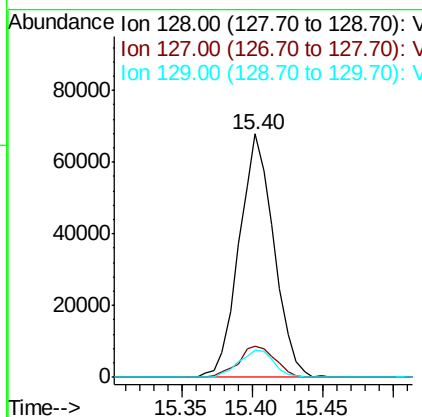
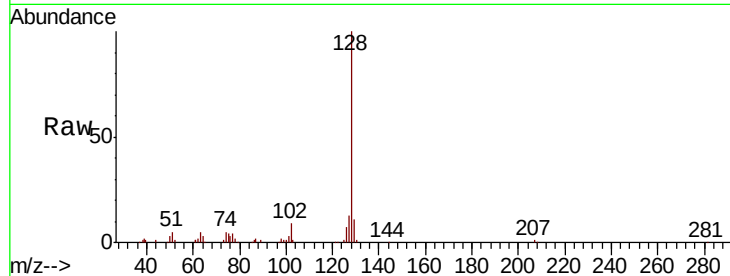
#95
Naphthalene
Concen: 21.426 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Instrument :
MSVOA_D
ClientSampleId :
VD1109SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
128	100		116470		
127	13.7		10.2	15.4	
129	11.3		8.9	13.3	

Manual Integrations
APPROVED

MMDadoda
11/10/2020 1:11:48 PM



#96
1,2,3-Trichlorobenzene
Concen: 21.869 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067557.D
Acq: 09 Nov 2020 11:18

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
180	100		65964		
182	95.4		46.9	140.8	
145	36.5		17.1	51.2	

