

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD120220\
 Data File : VD067835.D
 Acq On : 02 Dec 2020 14:39
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 12/3/2020 9:56:33 AM

Quant Time: Dec 03 01:34:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D120120S.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 02 08:05:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	247142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	356560	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	326086	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	173921	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	126790	47.79	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.58%
35) Dibromofluoromethane	7.92	113	116292	48.74	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.48%
50) Toluene-d8	10.34	98	429523	50.01	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.02%
62) 4-Bromofluorobenzene	12.64	95	156611	52.74	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.48%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	114328	53.156	ug/l	98
3) Chloromethane	2.21	50	51466	41.463	ug/l	99
4) Vinyl Chloride	2.35	62	77586	49.630	ug/l	90
5) Bromomethane	2.77	94	103190	73.942	ug/l	86
6) Chloroethane	2.93	64	51916	51.007	ug/l	100
7) Trichlorofluoromethane	3.27	101	241703	50.527	ug/l	92
8) Diethyl Ether	3.71	74	44191	47.396	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	111126	50.944	ug/l	96
10) Methyl Iodide	4.30	142	66433	28.733	ug/l	97
11) Tert butyl alcohol	5.22	59	36973	277.299	ug/l	95
12) 1,1-Dichloroethene	4.07	96	105294	51.415	ug/l	94
13) Acrolein	3.92	56	22181	217.551	ug/l	98
14) Allyl chloride	4.71	41	99256	52.390	ug/l	99
15) Acrylonitrile	5.42	53	77792	240.624	ug/l	97
16) Acetone	4.16	43	93062	283.855	ug/l #	89
17) Carbon Disulfide	4.41	76	281345	49.205	ug/l	97
18) Methyl Acetate	4.71	43	29680	48.212	ug/l #	79
19) Methyl tert-butyl Ether	5.48	73	225907	51.515	ug/l	98
20) Methylene Chloride	4.97	84	109623	51.764	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	119146	51.127	ug/l	93
22) Diisopropyl ether	6.36	45	190697	50.046	ug/l	96
23) Vinyl Acetate	6.30	43	567879	267.891	ug/l	98
24) 1,1-Dichloroethane	6.26	63	165047	49.412	ug/l #	94
25) 2-Butanone	7.21	43	85033	246.590	ug/l	99
26) 2,2-Dichloropropane	7.21	77	207700	52.145	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	124404	48.806	ug/l	96
28) Bromochloromethane	7.56	49	51791	48.836	ug/l #	94
29) Tetrahydrofuran	7.56	42	48434	246.679	ug/l	98
30) Chloroform	7.71	83	214748	48.108	ug/l	96
31) Cyclohexane	7.99	56	137251	49.101	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	238717	50.661	ug/l	99
36) 1,1-Dichloropropene	8.11	75	155216	50.285	ug/l	98
37) Ethyl Acetate	7.30	43	38219	45.941	ug/l #	95
38) Carbon Tetrachloride	8.10	117	233380	49.971	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	190083	51.965	ug/l	95
40) Benzene	8.36	78	411814	48.758	ug/l	99
41) Methacrylonitrile	7.53	41	19310	48.768	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	144907	48.138	ug/l	99
43) Isopropyl Acetate	8.46	43	79378	48.493	ug/l	99
44) Trichloroethene	9.11	130	141445	48.709	ug/l	93
45) 1,2-Dichloropropane	9.39	63	81722	47.142	ug/l	96
46) Dibromomethane	9.48	93	57160	47.425	ug/l	98
47) Bromodichloromethane	9.67	83	164358	47.833	ug/l	95
48) Methyl methacrylate	9.46	41	44333	53.337	ug/l	90
49) 1,4-Dioxane	9.46	88	13204	958.750	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	187828	242.446	ug/l	99
52) Toluene	10.41	92	288418	48.842	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	145074	48.917	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	154308	47.834	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	75233	45.611	ug/l	98
56) Ethyl methacrylate	10.67	69	80560	48.004	ug/l	98
57) 1,3-Dichloropropane	10.95	76	122612	46.928	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	198009	259.295	ug/l	99
59) 2-Hexanone	10.98	43	137427	251.635	ug/l	99
60) Dibromochloromethane	11.14	129	117505	47.259	ug/l	98
61) 1,2-Dibromoethane	11.25	107	75598	46.607	ug/l	100
64) Tetrachloroethene	10.88	164	125592	47.218	ug/l	98
65) Chlorobenzene	11.67	112	326013	48.453	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	130808	47.666	ug/l	97
67) Ethyl Benzene	11.75	91	572306	49.931	ug/l	95
68) m/p-Xylenes	11.86	106	446413	98.775	ug/l	96
69) o-Xylene	12.18	106	200113	49.875	ug/l	98
70) Styrene	12.20	104	339693	48.689	ug/l	98
71) Bromoform	12.36	173	68493	47.150	ug/l #	98
73) Isopropylbenzene	12.48	105	587735	49.140	ug/l	99
74) N-amyl acetate	12.29	43	70984	47.980	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	69698	44.138	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	56283m	44.438	ug/l	
77) Bromobenzene	12.76	156	138834	46.691	ug/l	97
78) n-propylbenzene	12.83	91	647454	48.841	ug/l	99
79) 2-Chlorotoluene	12.91	91	369595	47.392	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	506745	48.935	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	22588	42.661	ug/l	96
82) 4-Chlorotoluene	13.01	91	394746	47.451	ug/l	98
83) tert-Butylbenzene	13.23	119	442544	50.220	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	493179	47.894	ug/l	99
85) sec-Butylbenzene	13.41	105	571323	48.576	ug/l	99
86) p-Isopropyltoluene	13.52	119	548135	47.552	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	261491	45.589	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	259236	45.176	ug/l	99
89) n-Butylbenzene	13.85	91	471351	49.219	ug/l	99
90) Hexachloroethane	14.11	117	97899	46.002	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	225761	45.382	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	14491	43.972	ug/l	92

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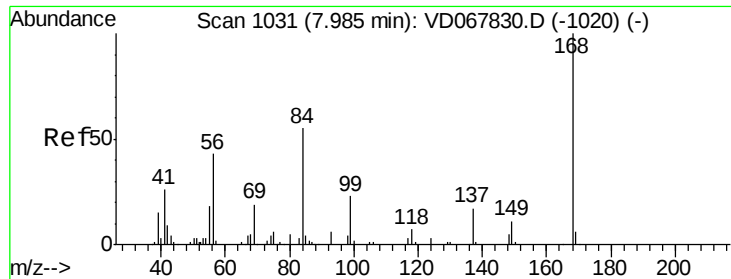
Manual Integrations
APPROVED

MMDadoda
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	169656	48.755	ug/l	98
94) Hexachlorobutadiene	15.27	225	108937	47.976	ug/l	98
95) Naphthalene	15.40	128	274665	48.507	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	141925	47.228	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 247142

Ion Ratio Lower Upper

168 100

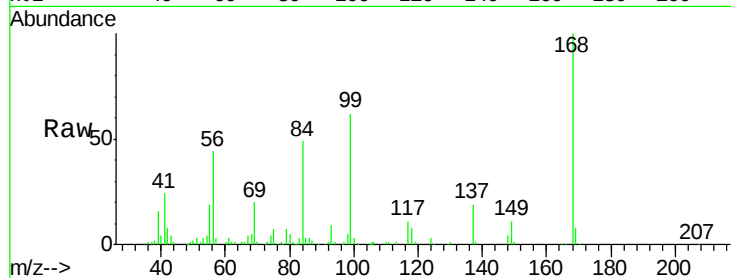
99 61.5 47.1 70.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

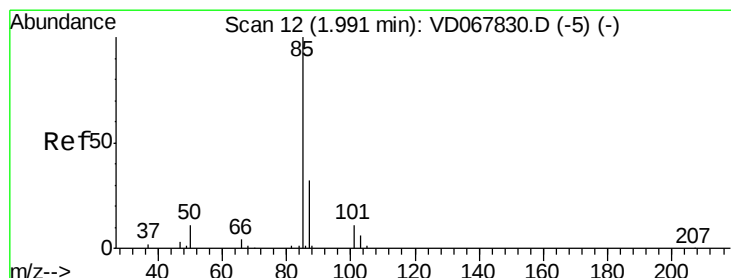
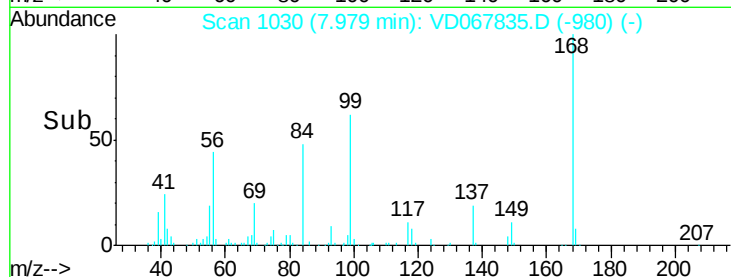
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 53.156 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067835.D

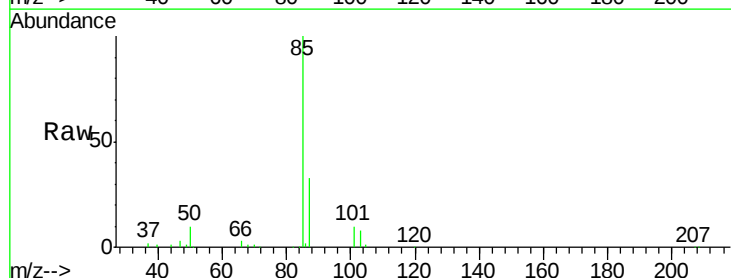
Acq: 02 Dec 2020 14:39

Tgt Ion: 85 Resp: 114328

Ion Ratio Lower Upper

85 100

87 32.7 15.9 47.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

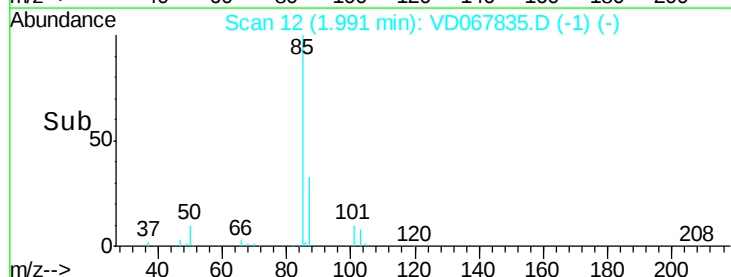
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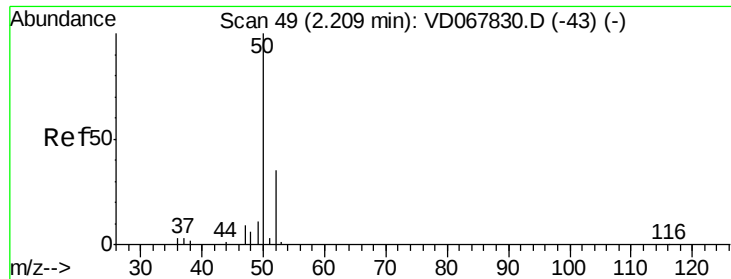
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 41.463 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 51466

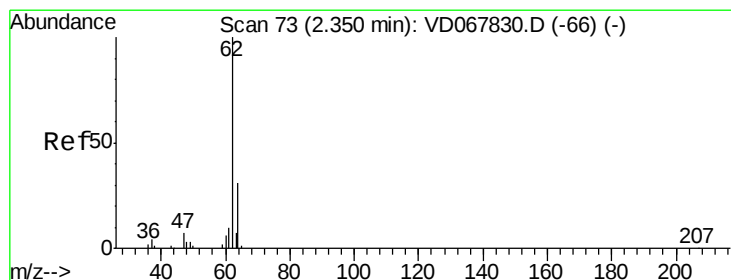
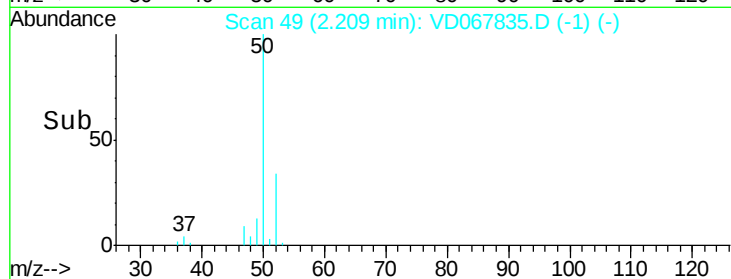
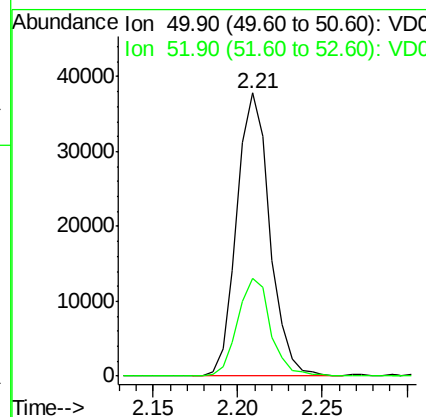
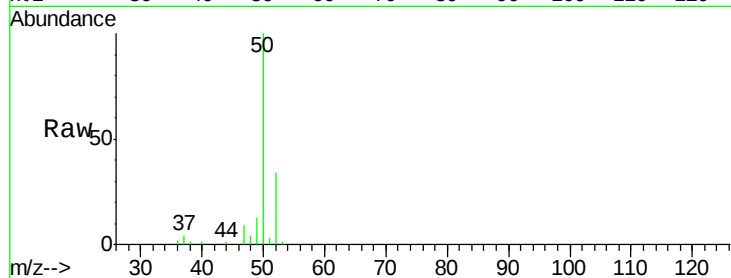
Ion Ratio Lower Upper

50 100

52 34.3 27.8 41.6

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#4

Vinyl Chloride

Concen: 49.630 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067835.D

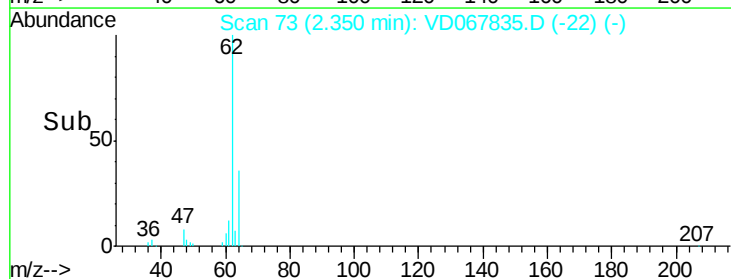
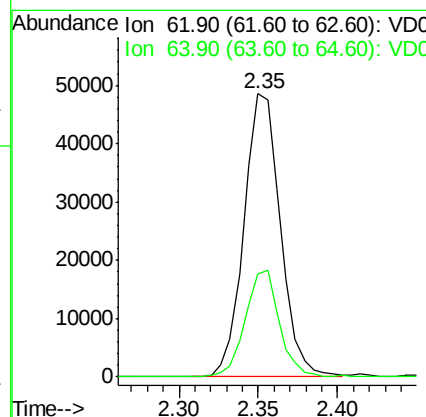
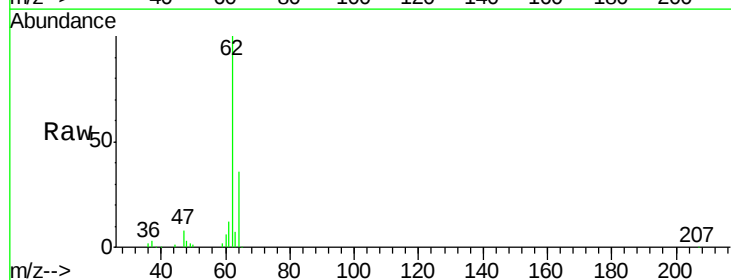
Acq: 02 Dec 2020 14:39

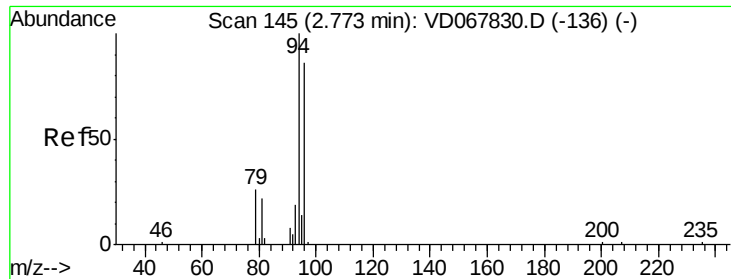
Tgt Ion: 62 Resp: 77586

Ion Ratio Lower Upper

62 100

64 36.2 24.5 36.7





#5

Bromomethane

Concen: 73.942 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 103190

Ion Ratio Lower Upper

94 100

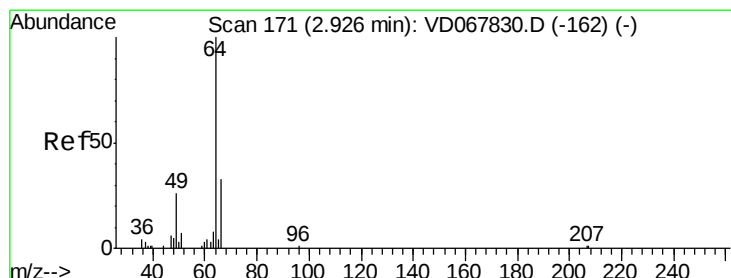
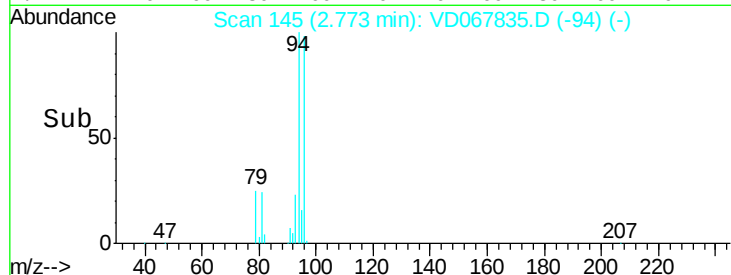
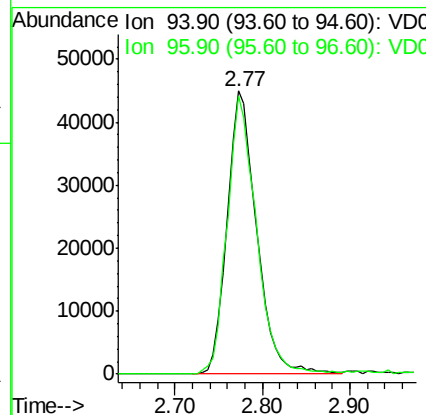
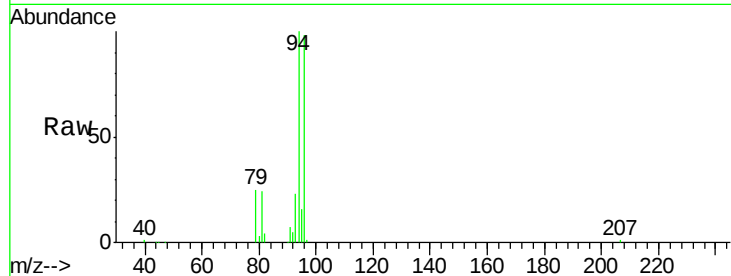
96 98.3 68.7 103.1

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#6

Chloroethane

Concen: 51.007 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD067835.D

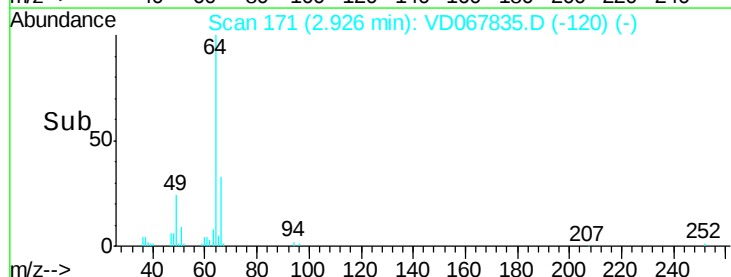
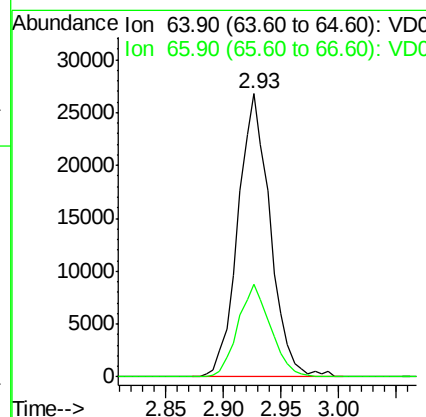
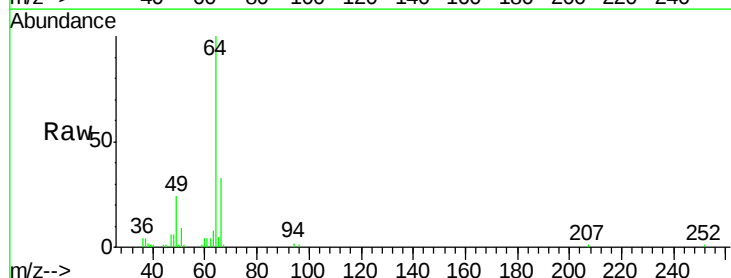
Acq: 02 Dec 2020 14:39

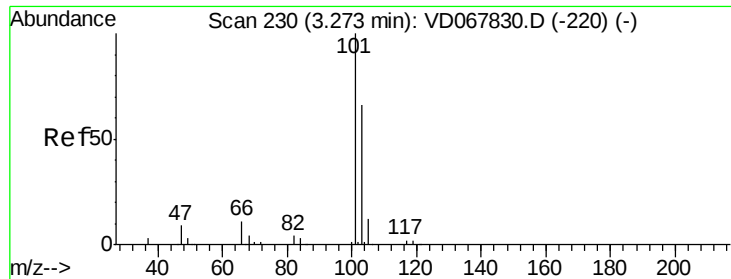
Tgt Ion: 64 Resp: 51916

Ion Ratio Lower Upper

64 100

66 32.7 26.1 39.1





#7

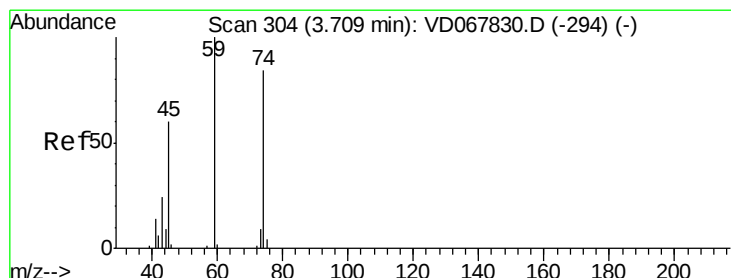
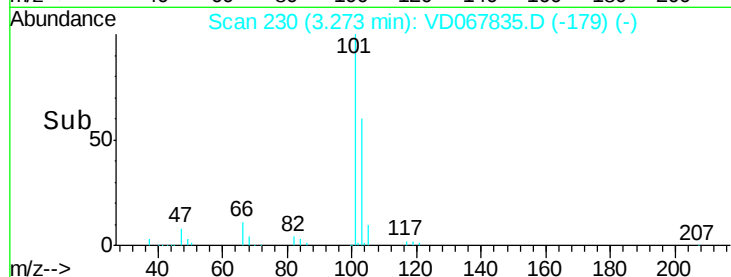
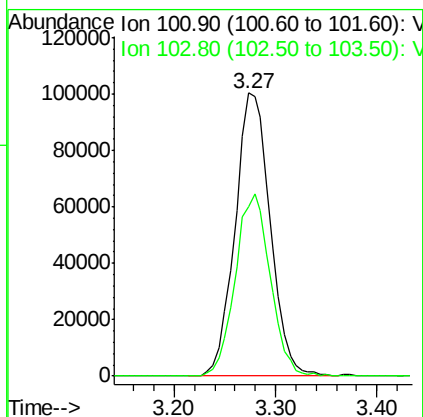
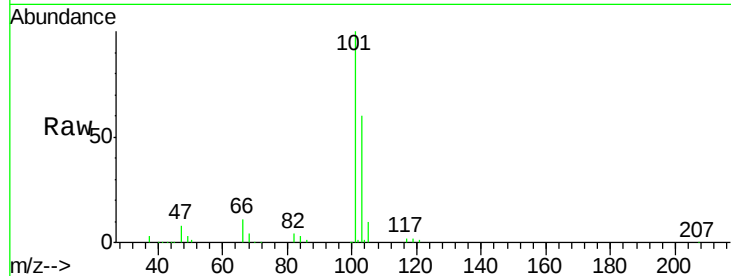
Trichlorofluoromethane
Concen: 50.527 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD067835.D
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		241703		
103	60.1	53.0	79.6		

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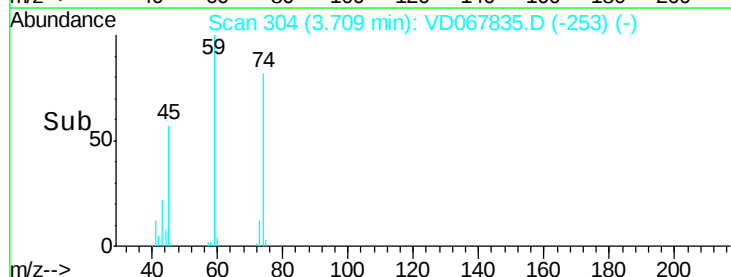
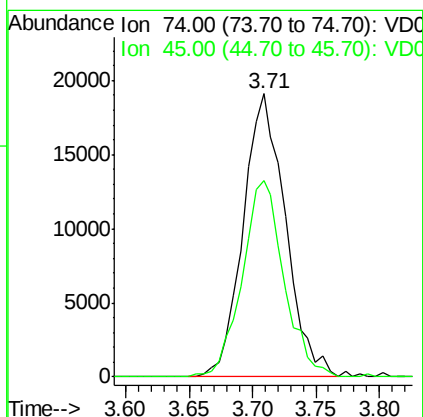
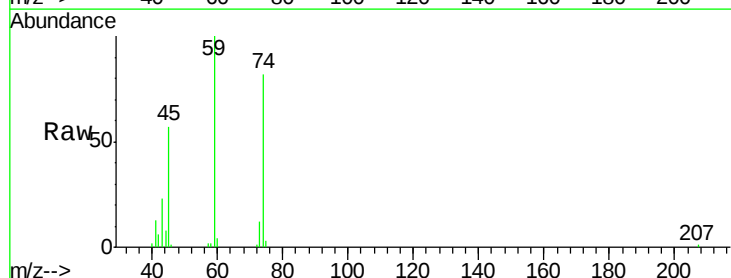
MMDadoda
12/3/2020 9:56:33 AM

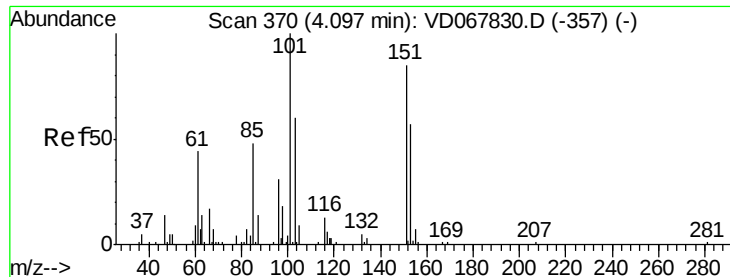


#8

Diethyl Ether
Concen: 47.396 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		44191		
45	68.6	33.9	101.7		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.944 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

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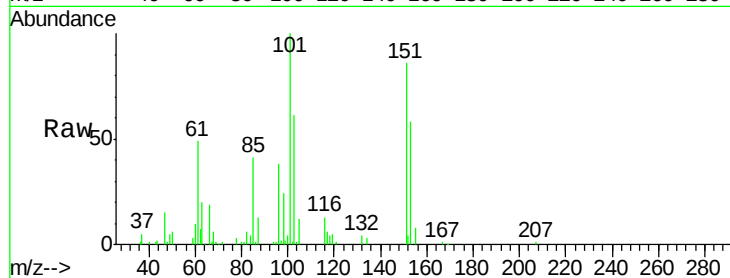
ClientSampleId :

VSTDCCC050

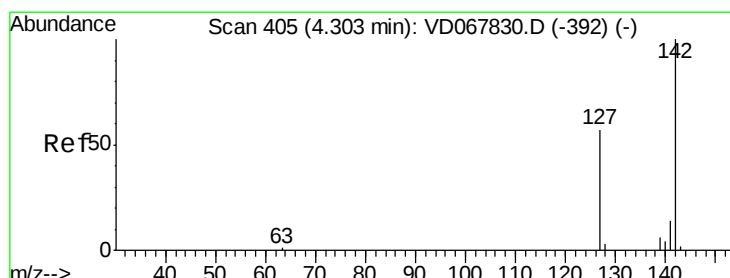
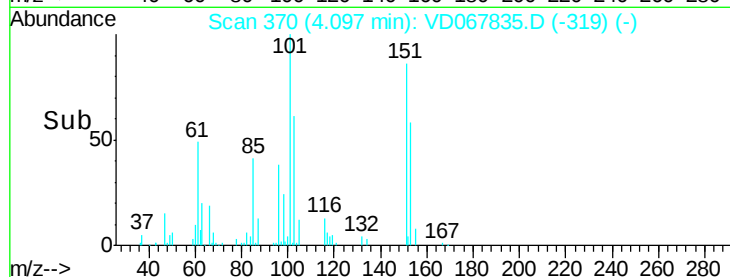
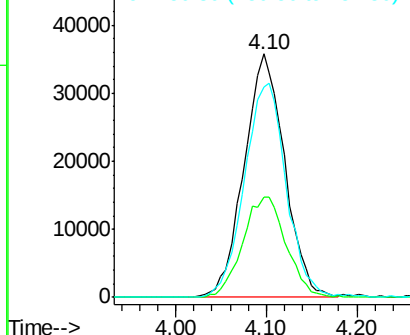
Tot Ion:	101	Resp:	111126
Ion Ratio	Lower	Upper	
101	100		
85	43.9	36.2	54.4
151	90.8	69.4	104.2

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 28.733 ug/l

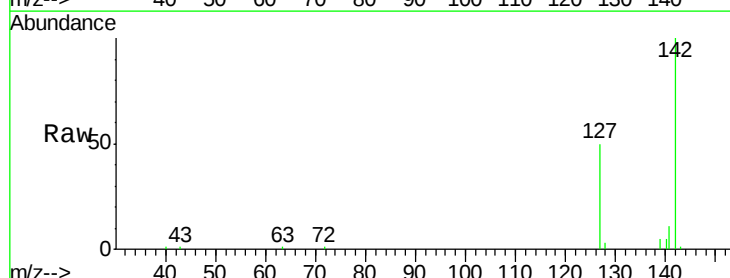
RT: 4.30 min Scan# 405

Delta R.T. 0.00 min

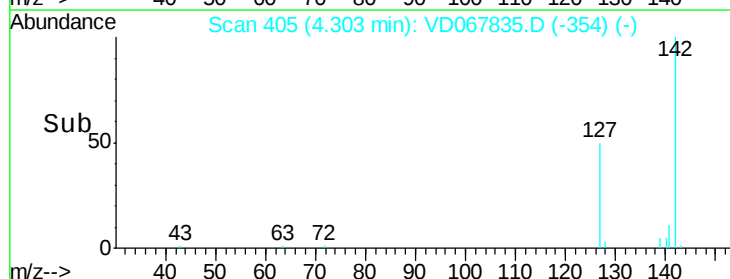
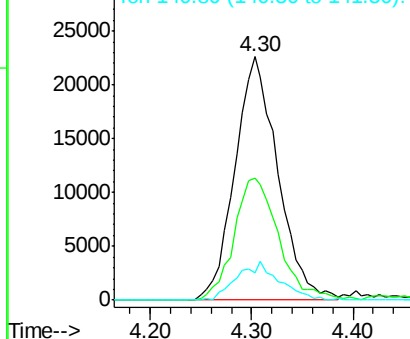
Lab File: VD067835.D

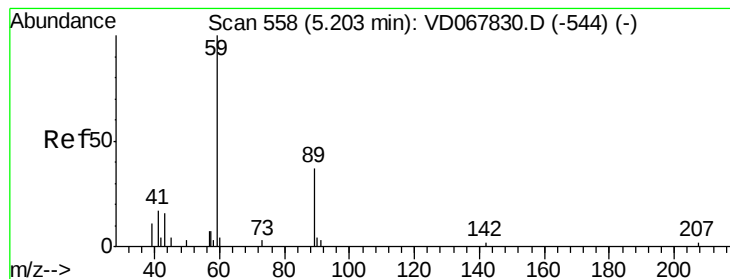
Acq: 02 Dec 2020 14:39

Tgt Ion:	142	Resp:	66433
Ion Ratio	Lower	Upper	
142	100		
127	52.3	43.9	65.9
141	15.5	12.2	18.2



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

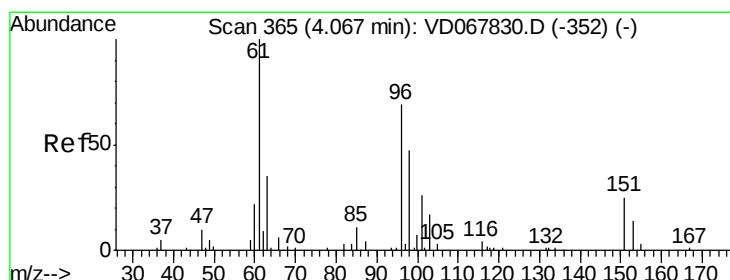
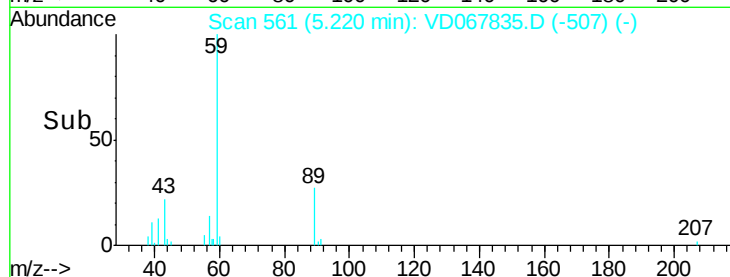
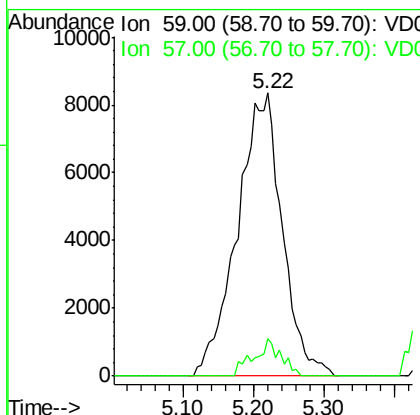
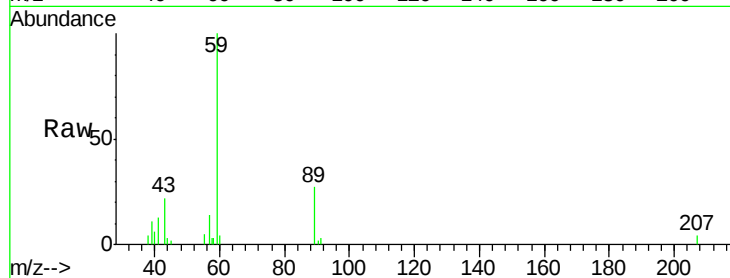
Tert butyl alcohol
 Concen: 277.299 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.02 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
59	59	100		
57	57	7.9	7.7	11.5

Manual Integrations
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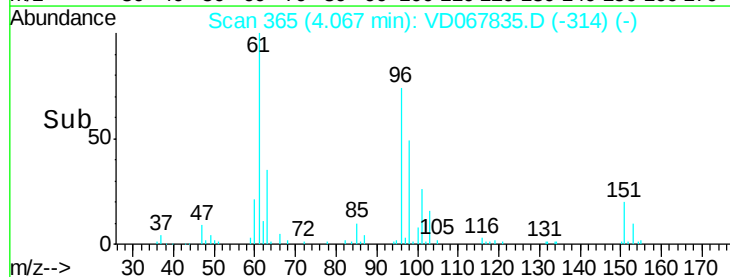
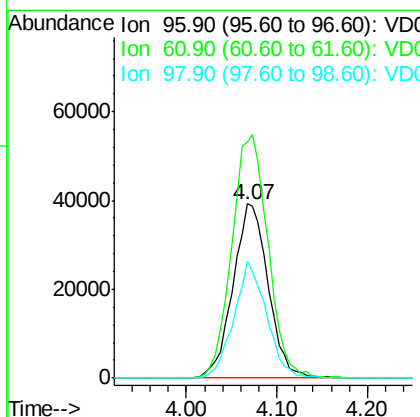
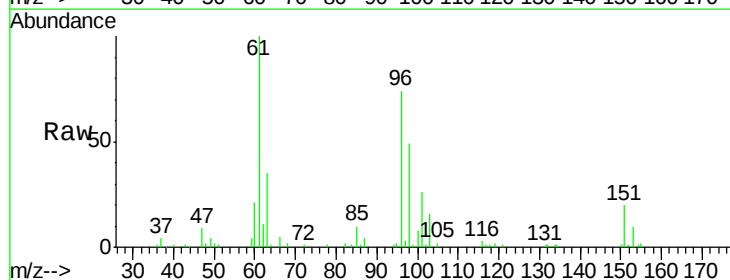
MMDadoda
 12/3/2020 9:56:33 AM

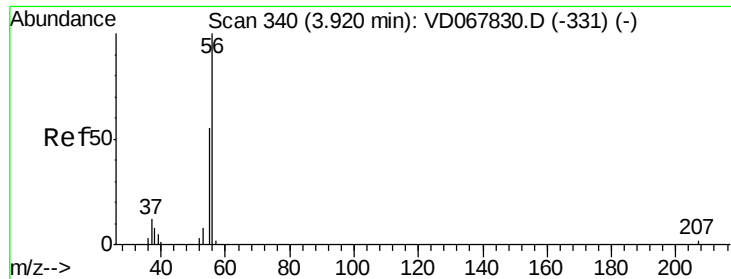


#12

1,1-Dichloroethene
 Concen: 51.415 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion	Ion	Ratio	Lower	Upper
96	96	100		
61	61	135.5	116.1	174.1
98	98	66.9	54.6	82.0





#13

Acrolein

Concen: 217.551 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 22181

Ion Ratio Lower Upper

56 100

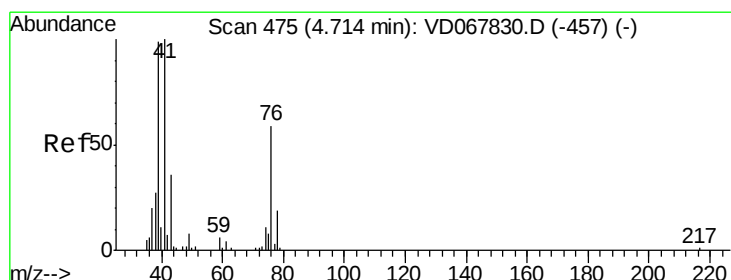
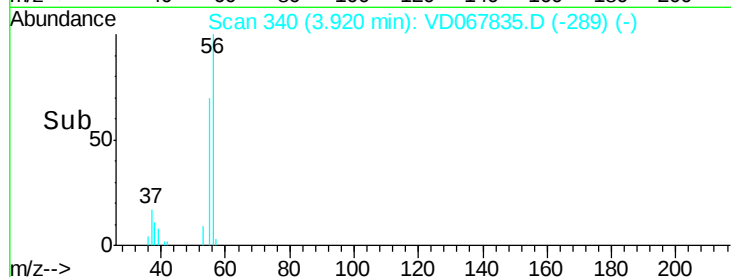
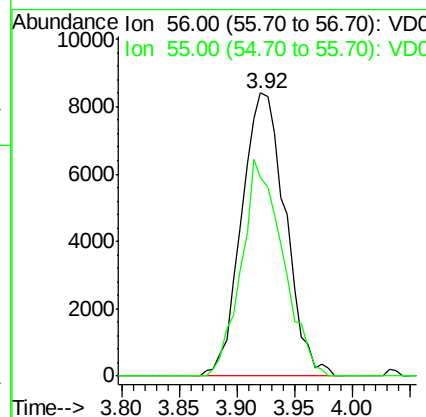
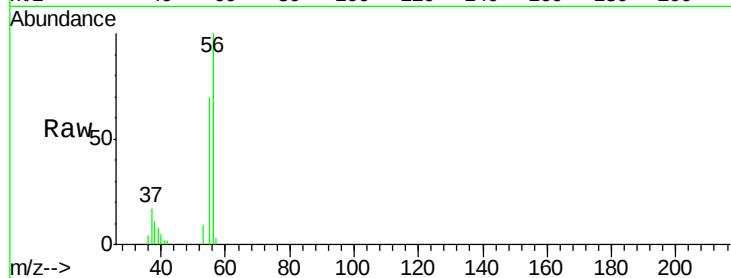
55 72.5 56.5 84.7

Manual Integrations

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#14

Allyl chloride

Concen: 52.390 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

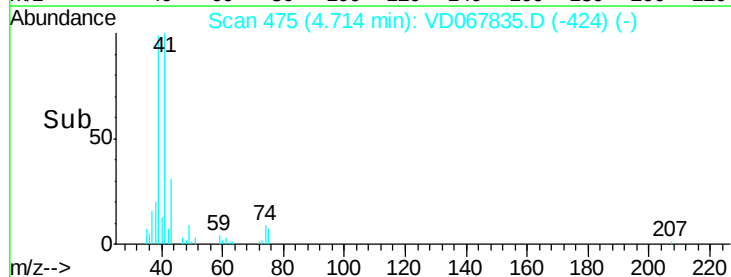
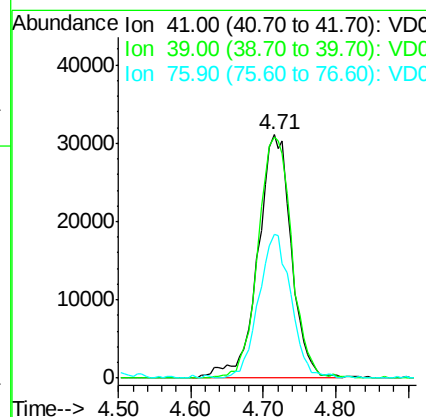
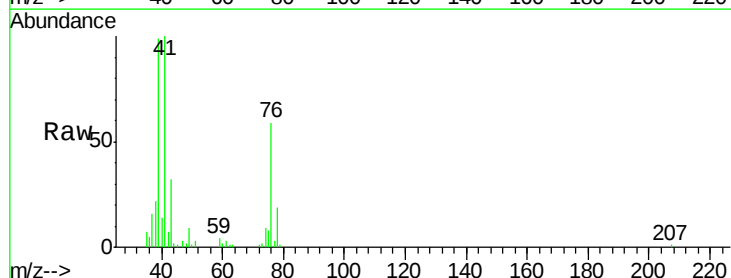
Tgt Ion: 41 Resp: 99256

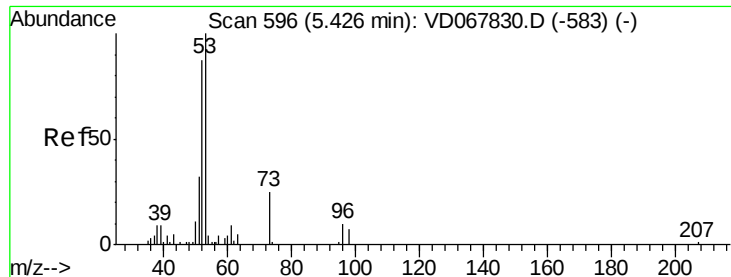
Ion Ratio Lower Upper

41 100

39 99.7 79.0 118.6

76 57.4 46.6 70.0





#15

Acrylonitrile

Concen: 240.624 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

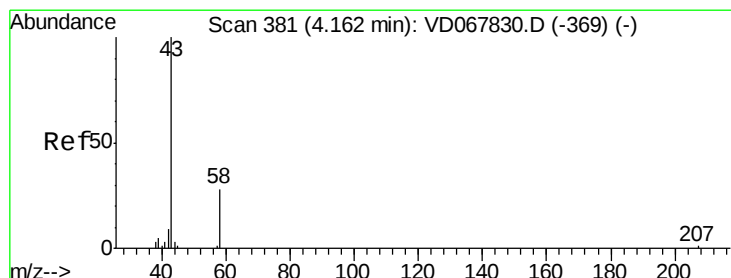
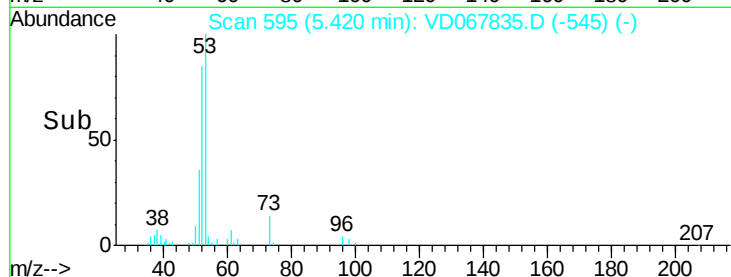
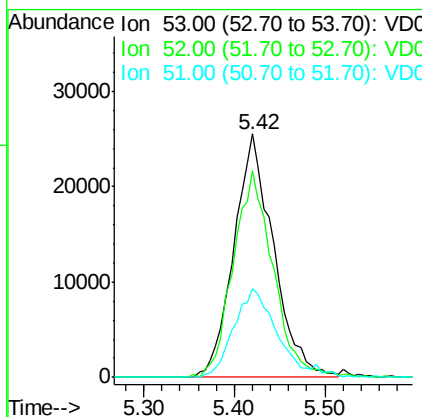
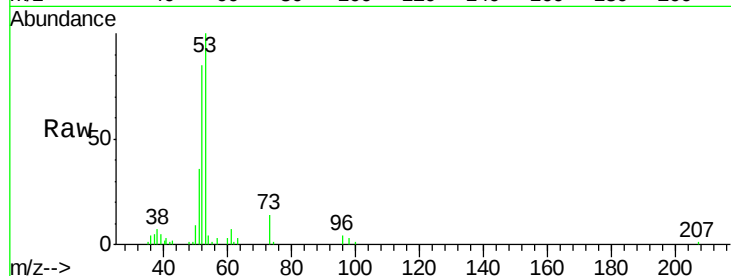
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	77792
Ion	Ratio	Lower	Upper
53	100		
52	85.2	66.2	99.2
51	40.1	31.1	46.7

Manual Integrations
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#16

Acetone

Concen: 283.855 ug/l

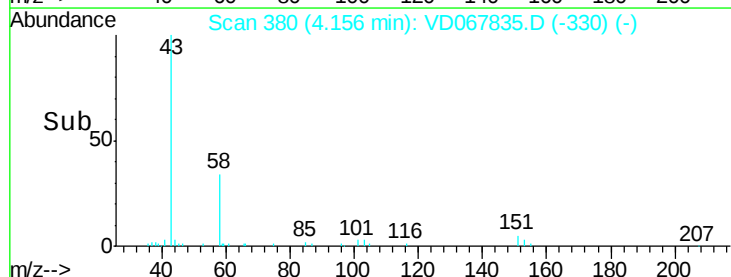
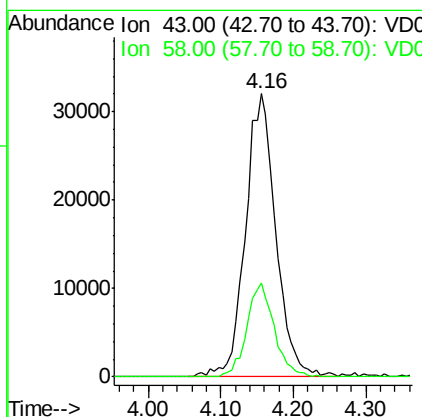
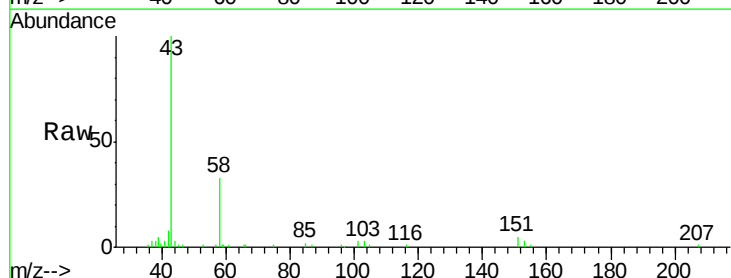
RT: 4.16 min Scan# 380

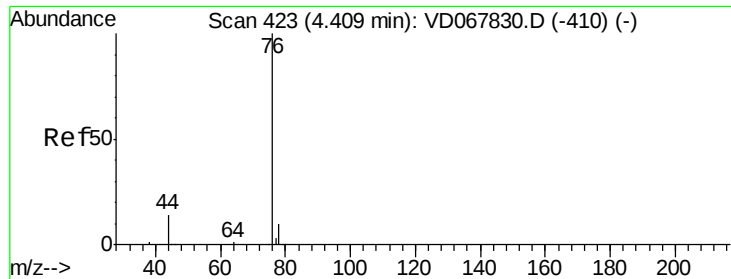
Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion:	43	Resp:	93062
Ion	Ratio	Lower	Upper
43	100		
58	33.3	21.9	32.9#





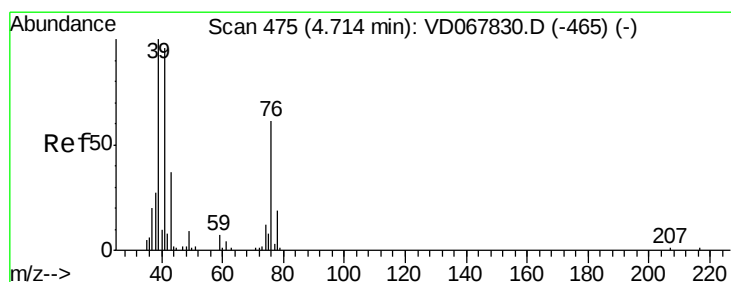
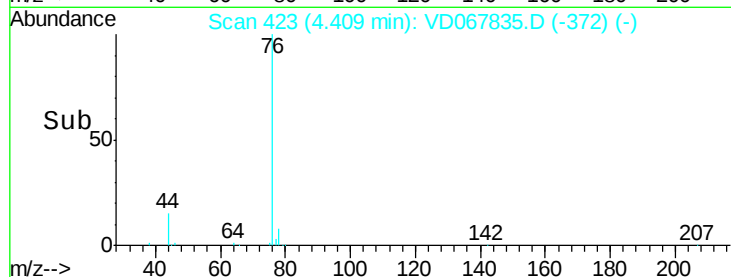
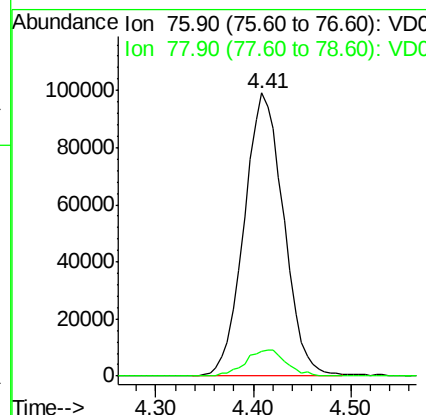
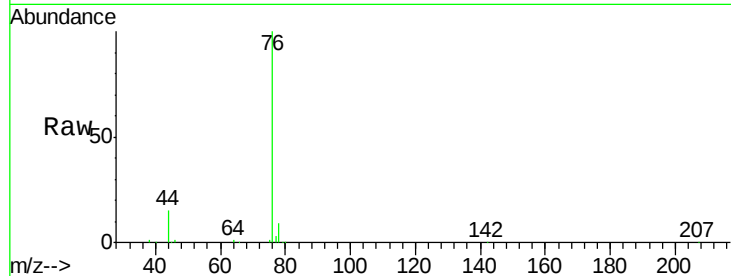
#17
Carbon Disulfide
Concen: 49.205 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.8	11.6

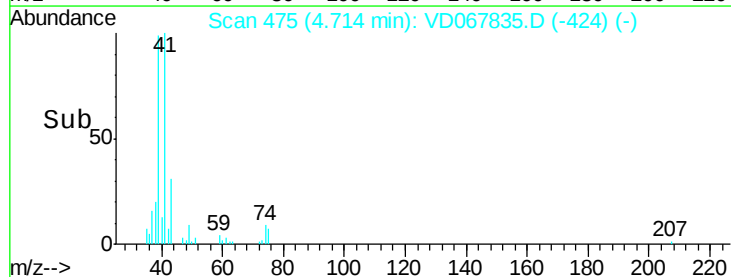
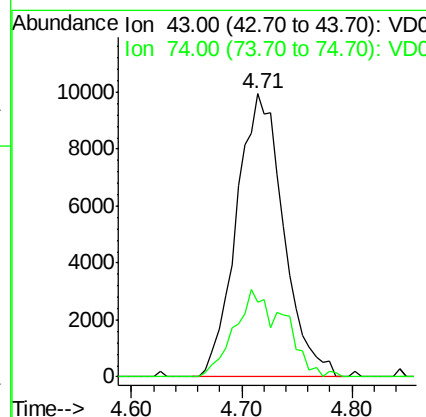
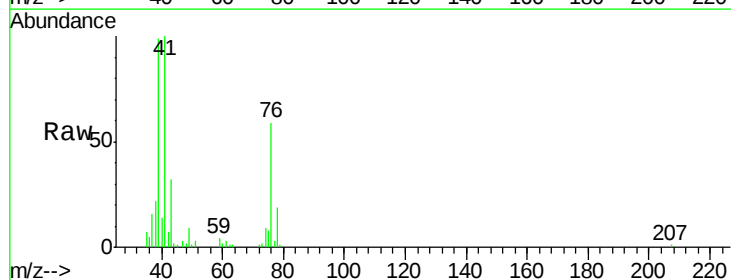
Manual Integrations
APPROVED

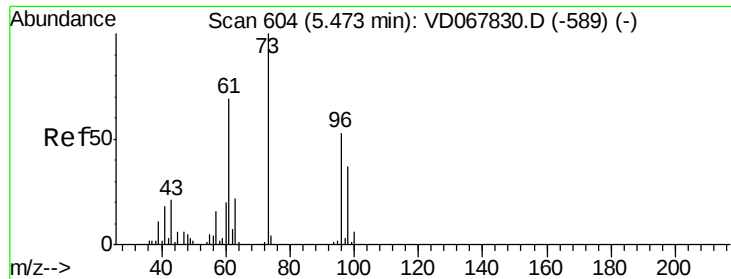
MMDadoda
12/3/2020 9:56:33 AM



#18
Methyl Acetate
Concen: 48.212 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.6	27.0	40.4#





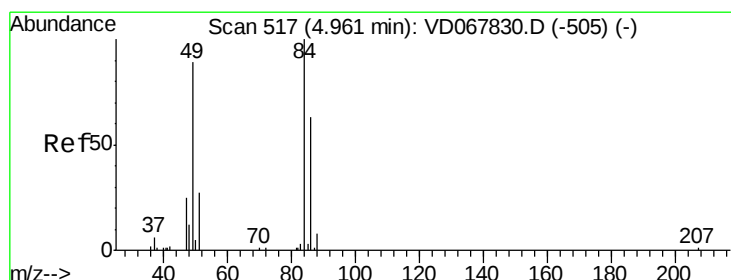
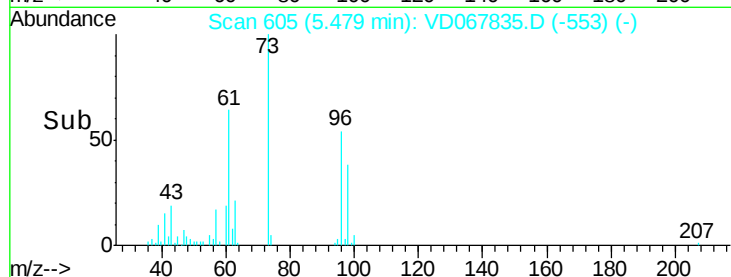
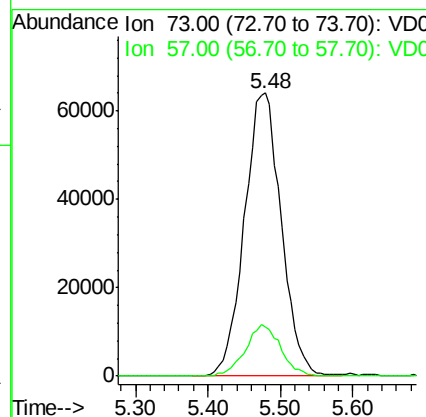
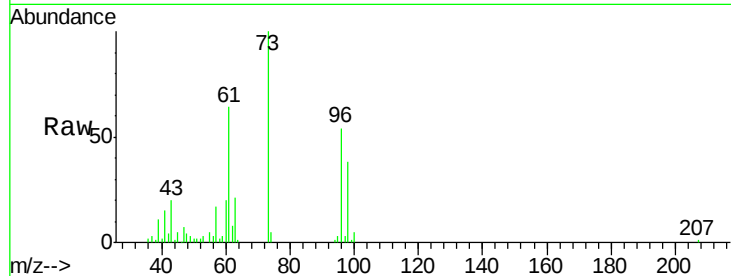
#19
Methvl tert-butvl Ether
Concen: 51.515 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 225907
Ion Ratio Lower Upper
73 100
57 17.5 13.2 19.8

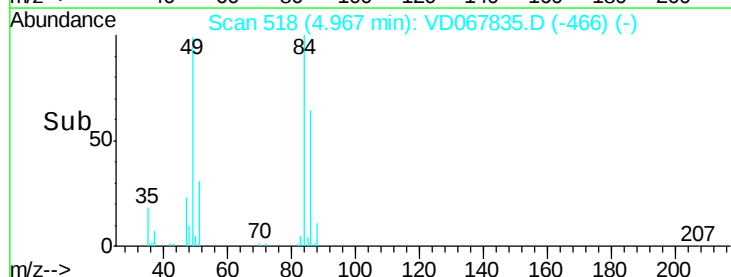
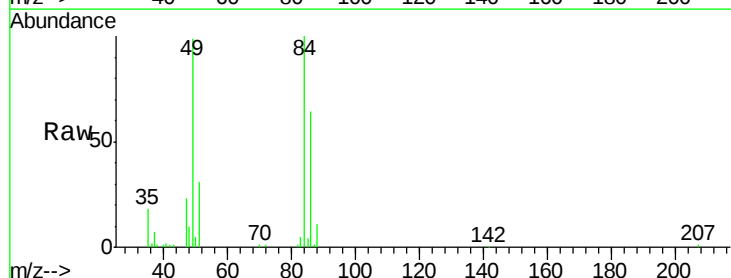
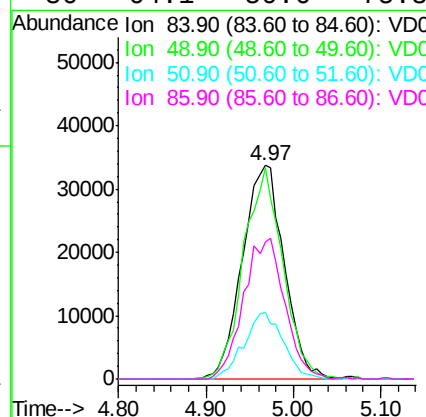
Manual Integrations
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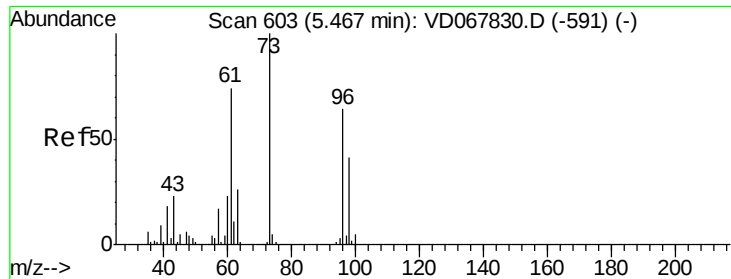
MMDadoda
12/3/2020 9:56:33 AM



#20
Methylene Chloride
Concen: 51.764 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 84 Resp: 109623
Ion Ratio Lower Upper
84 100
49 99.1 71.4 107.0
51 31.2 21.8 32.8
86 64.1 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 51.127 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

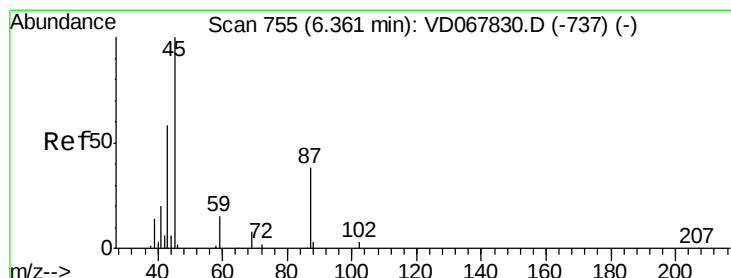
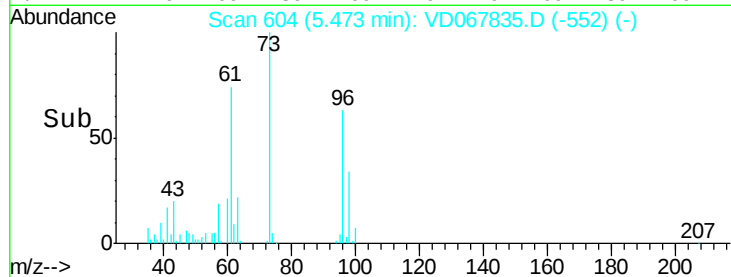
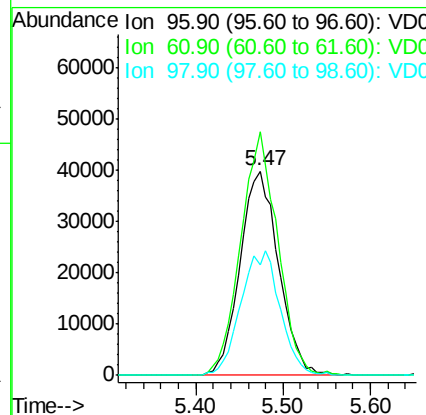
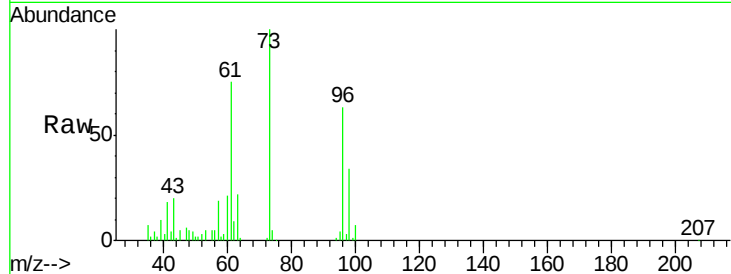
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	119146
Ion	Ratio	Lower	Upper
96	100		
61	119.4	93.1	139.7
98	54.4	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 50.046 ug/l

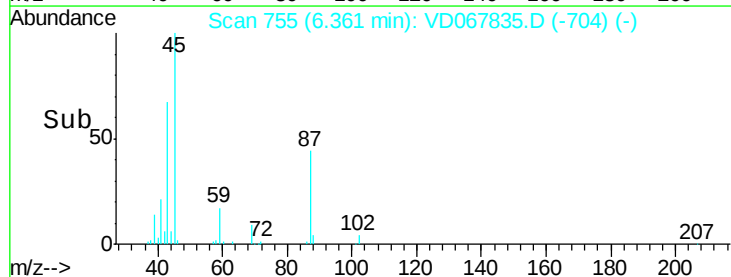
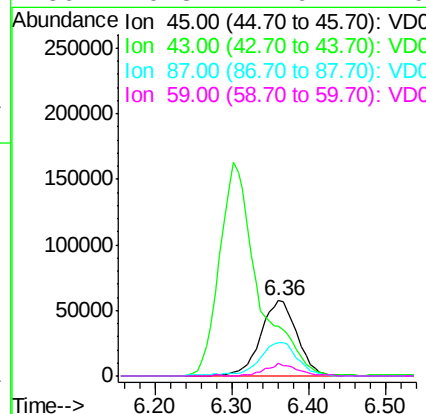
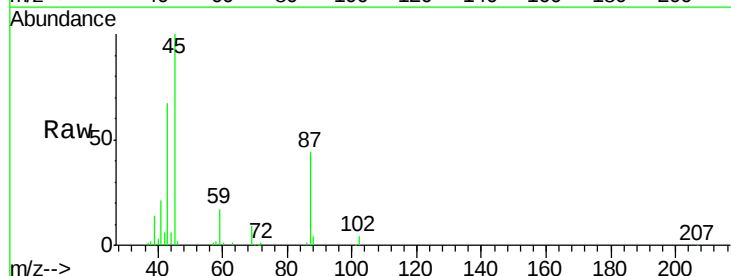
RT: 6.36 min Scan# 755

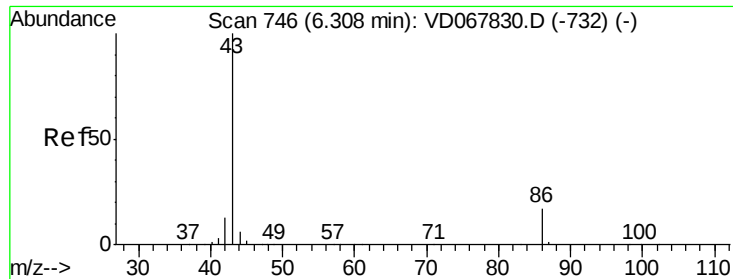
Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion:	45	Resp:	190697
Ion	Ratio	Lower	Upper
45	100		
43	65.4	49.8	74.6
87	43.4	32.1	48.1
59	16.3	11.9	17.9





#23

Vinyl Acetate

Concen: 267.891 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 567879

Ion Ratio Lower Upper

43 100

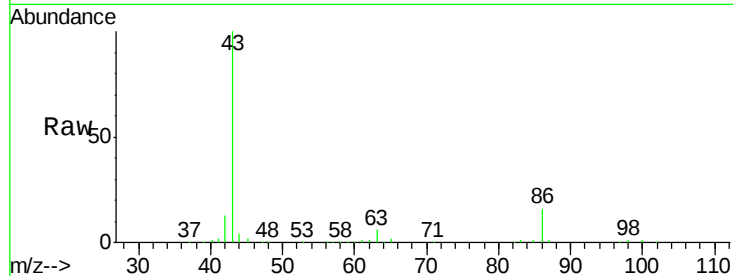
86 16.3 13.8 20.6

Manual Integrations

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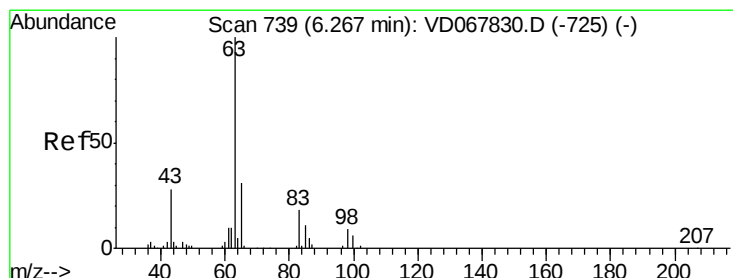
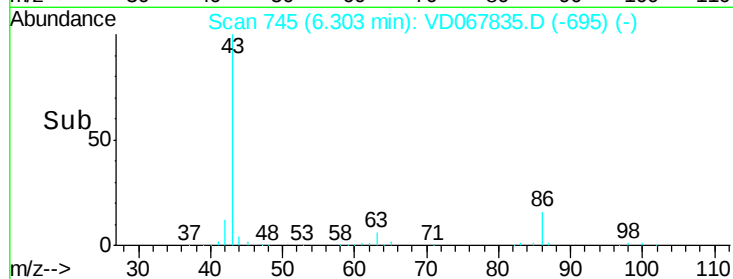
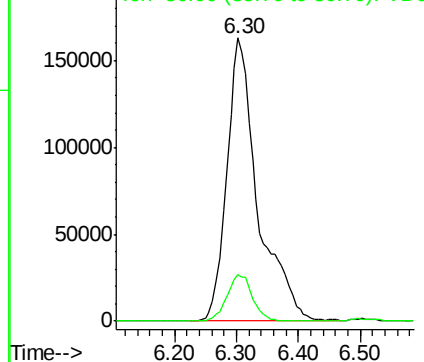
MMDadoda

12/3/2020 9:56:33 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.412 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

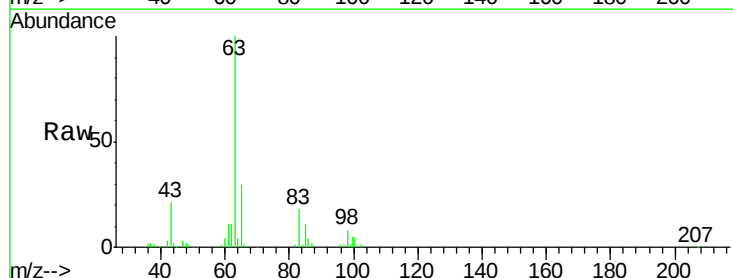
Tgt Ion: 63 Resp: 165047

Ion Ratio Lower Upper

63 100

98 8.2 4.5 13.5

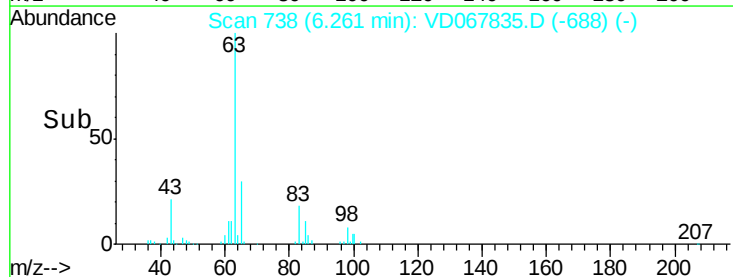
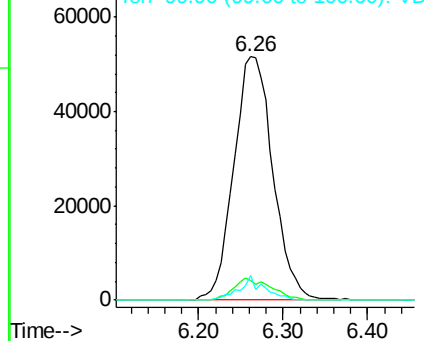
100 9.9 3.0 9.2#

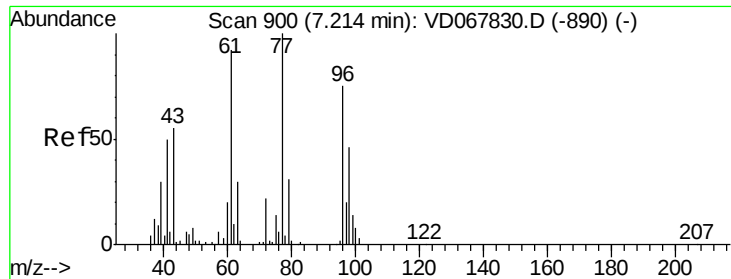


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





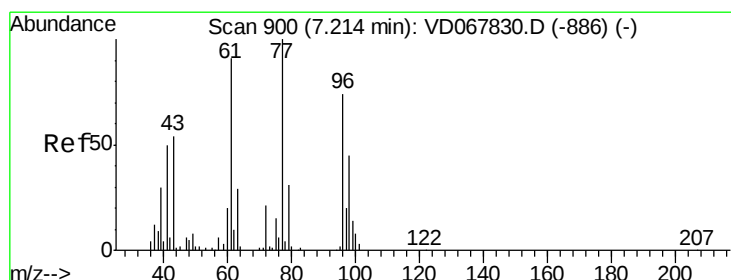
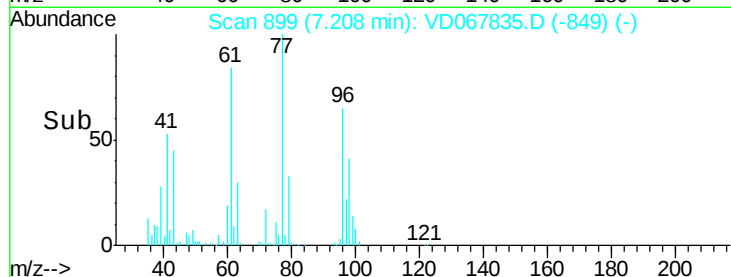
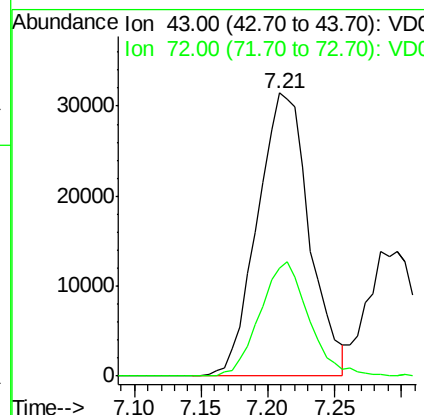
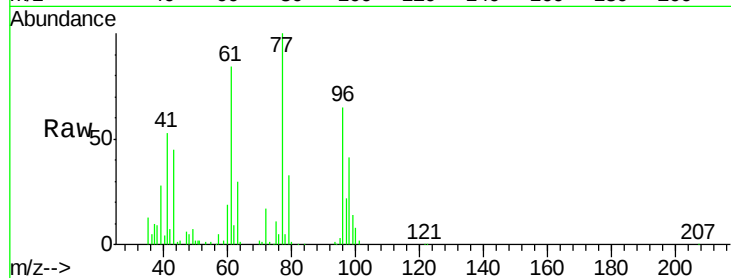
#25
2-Butanone
Concen: 246.590 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 85033
Ion Ratio Lower Upper
43 100
72 38.2 31.3 46.9

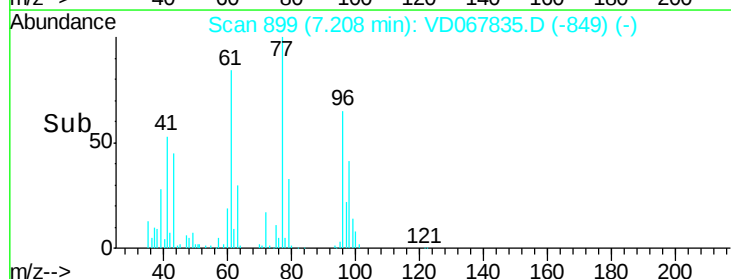
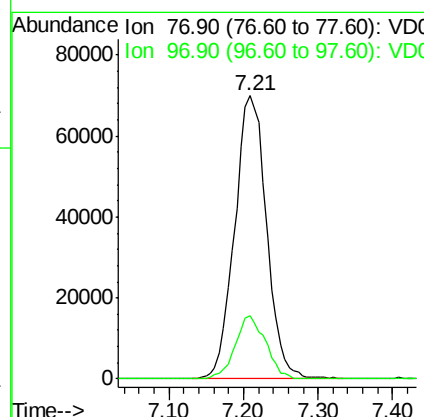
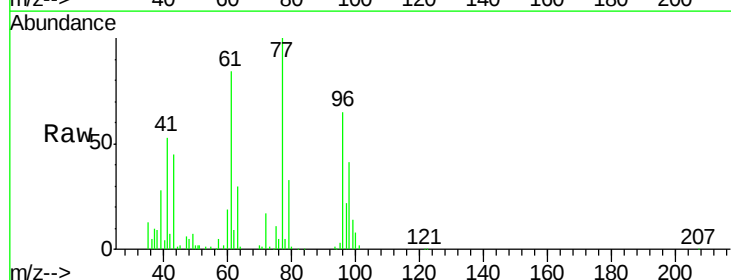
Manual Integrations
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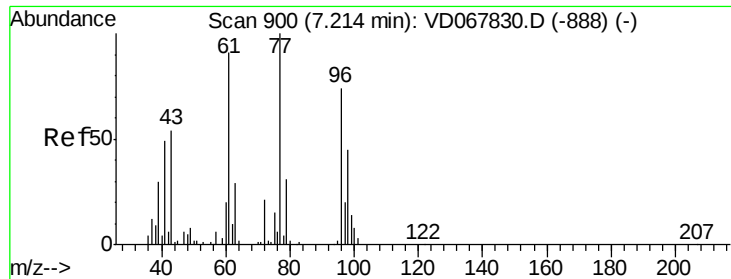
MMDadoda
12/3/2020 9:56:33 AM



#26
2,2-Dichloropropane
Concen: 52.145 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 77 Resp: 207700
Ion Ratio Lower Upper
77 100
97 21.4 11.1 33.1





#27

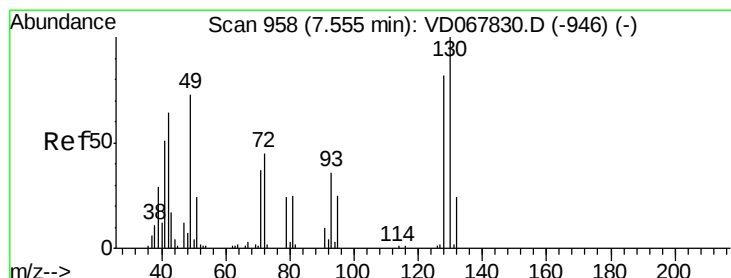
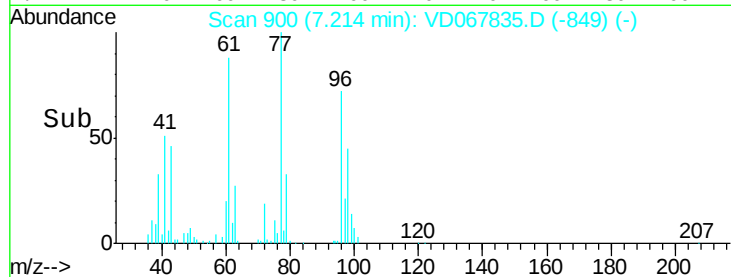
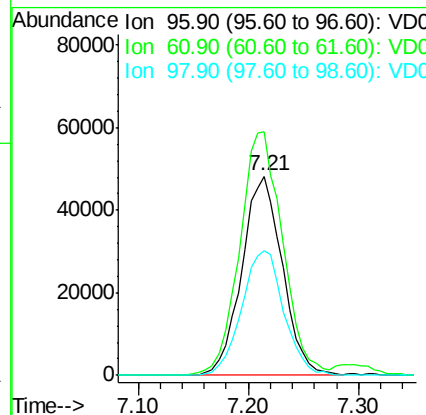
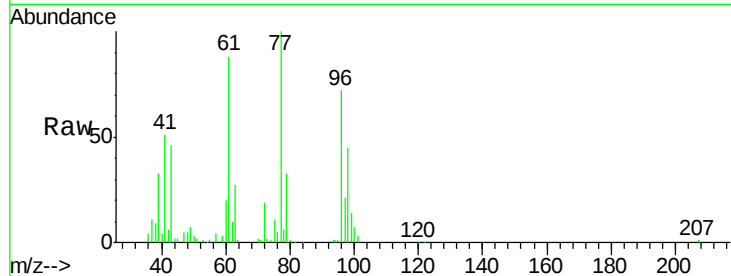
cis-1,2-Dichloroethene
Concen: 48.806 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	124404		
61	129.6	0.0	248.4	
98	64.9	0.0	127.4	

Manual Integrations
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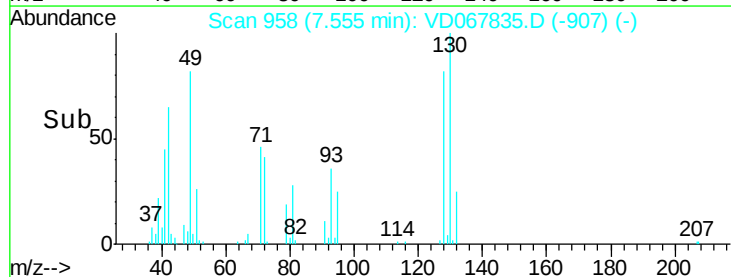
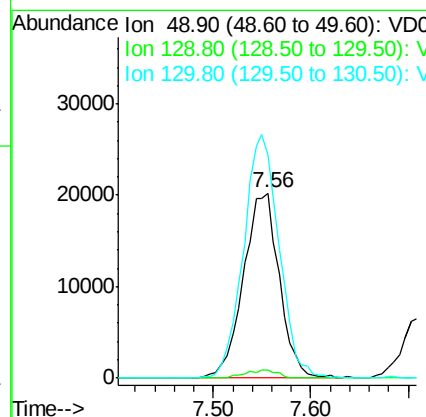
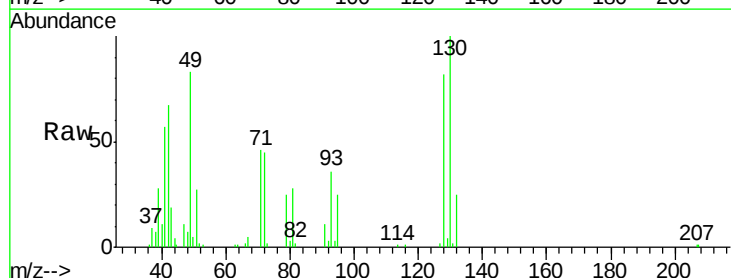
MMDadoda
12/3/2020 9:56:33 AM

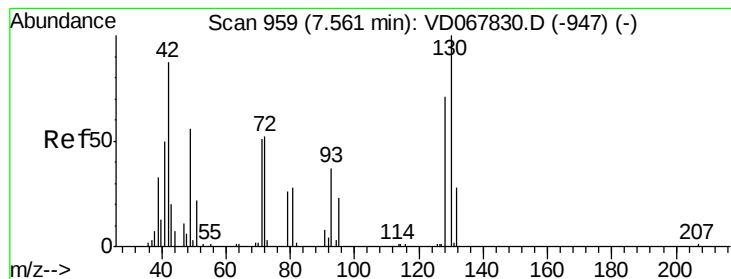


#28

Bromochloromethane
Concen: 48.836 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	51791		
129	3.9	0.0	3.4#	
130	130.3	110.2	165.2	





#29

Tetrahydrofuran

Concen: 246.679 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

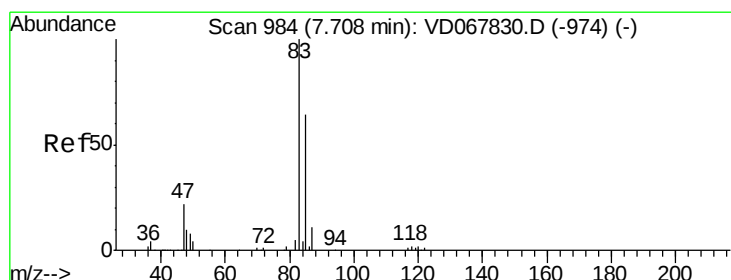
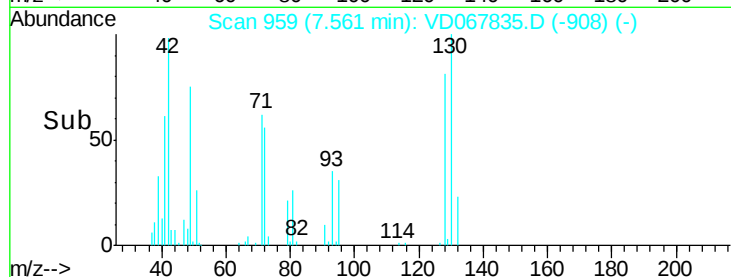
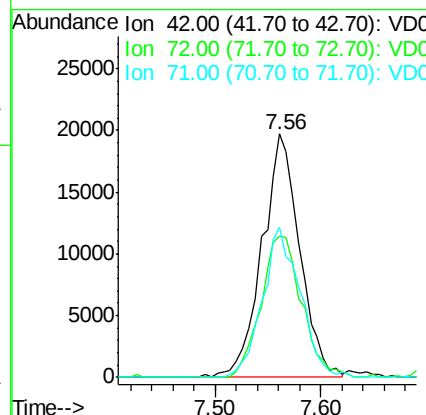
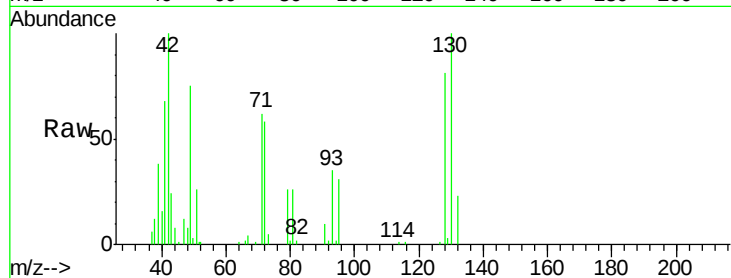
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	48434
Ion	Ratio	Lower	Upper
42	100		
72	63.3	51.9	77.9
71	62.1	48.2	72.4

Manual Integrations
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#30

Chloroform

Concen: 48.108 ug/l

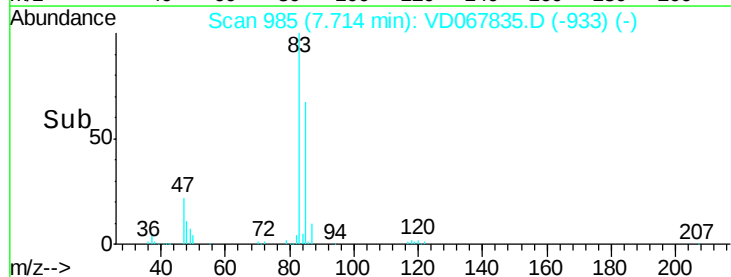
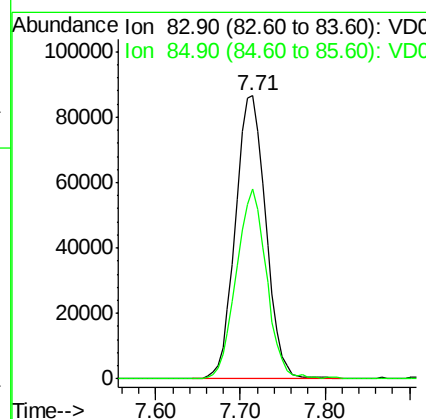
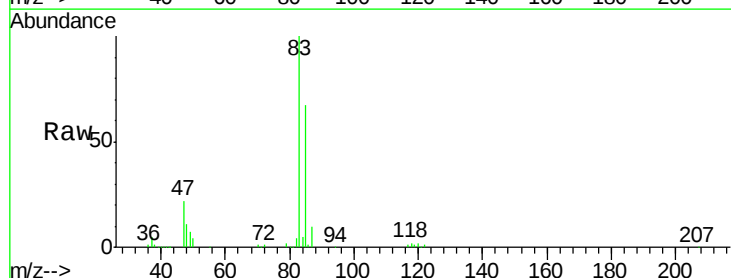
RT: 7.71 min Scan# 985

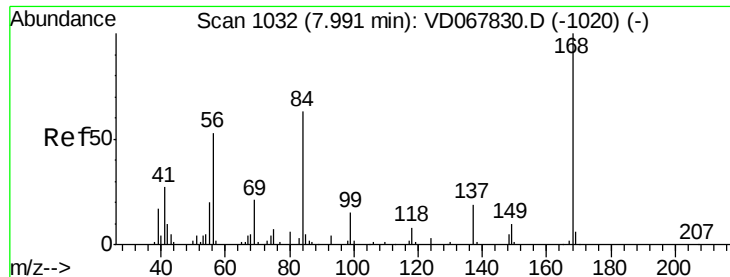
Delta R.T. 0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion:	83	Resp:	214748
Ion	Ratio	Lower	Upper
83	100		
85	67.1	51.0	76.4





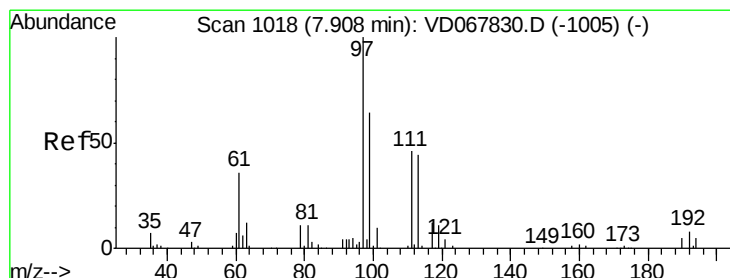
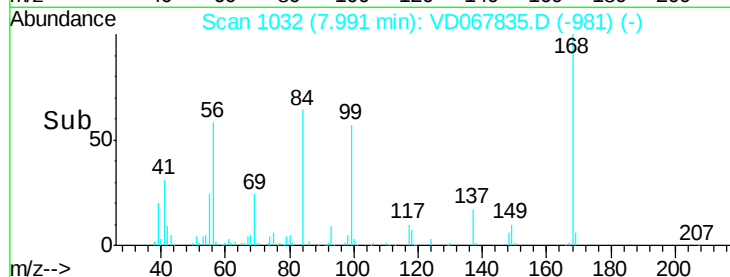
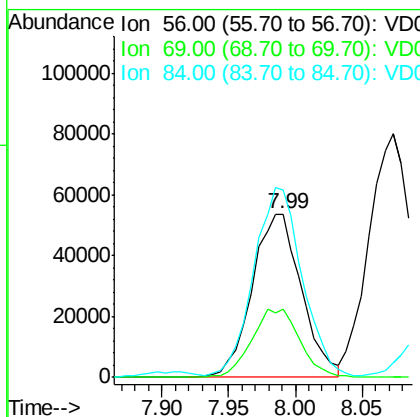
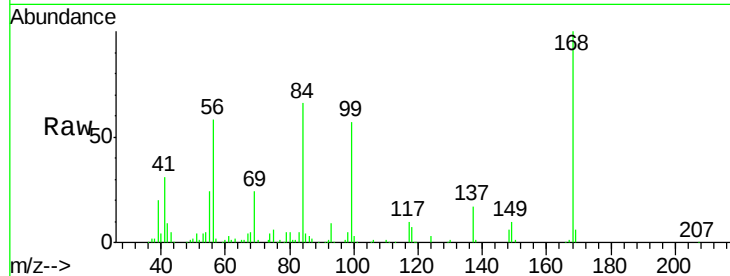
#31
Cyclohexane
Concen: 49.101 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	41.5	32.1	48.1	
84	111.9	93.2	139.8	

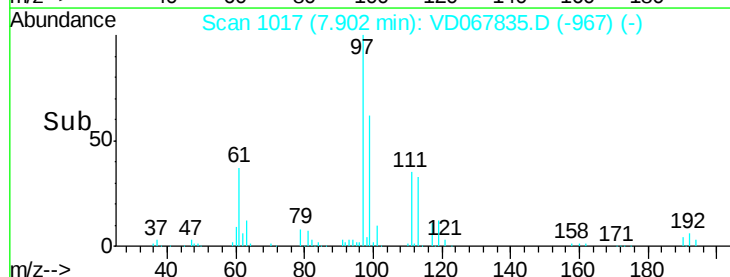
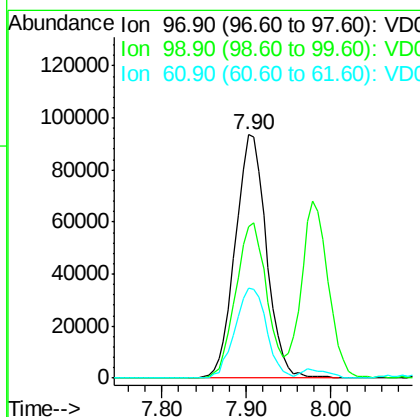
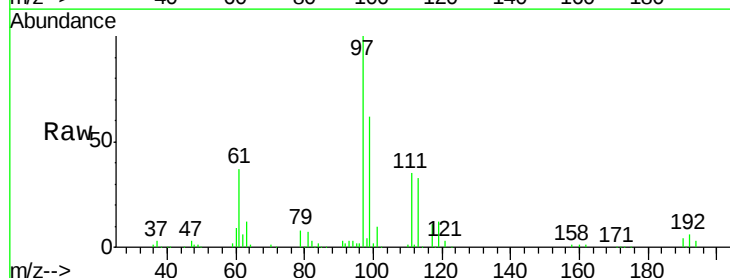
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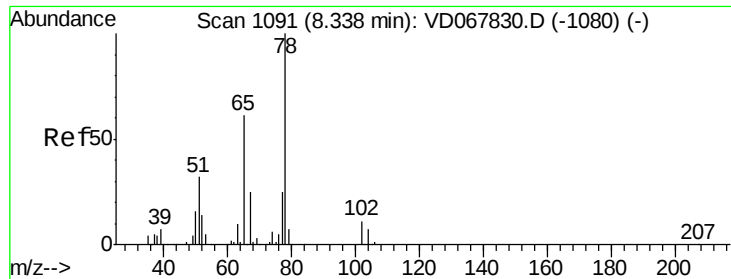
MMDadoda
12/3/2020 9:56:33 AM



#32
1,1,1-Trichloroethane
Concen: 50.661 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	63.6	51.4	77.2	
61	37.4	30.8	46.2	





#33

1,2-Dichloroethane-d4

Concen: 47.788 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 126790

Ion Ratio Lower Upper

65 100

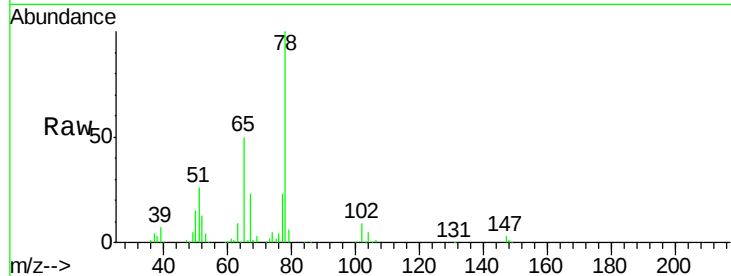
67 46.9 0.0 92.0

Manual Integrations

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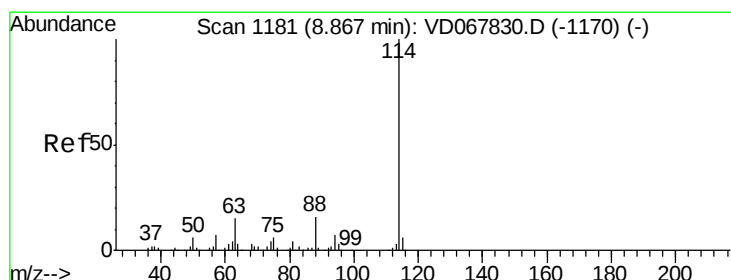
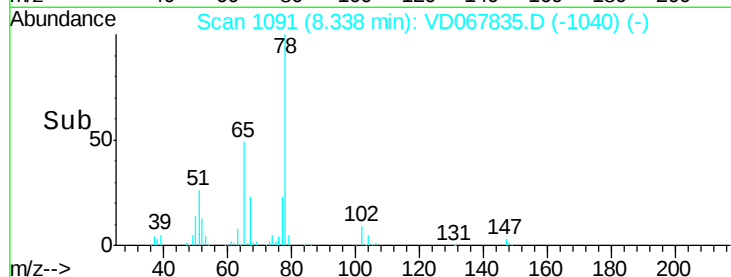
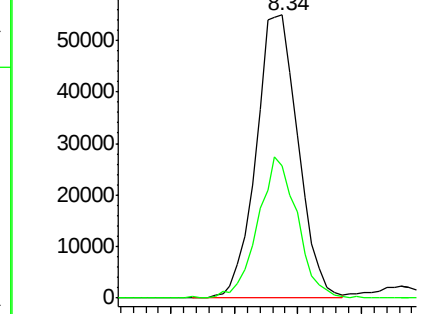
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

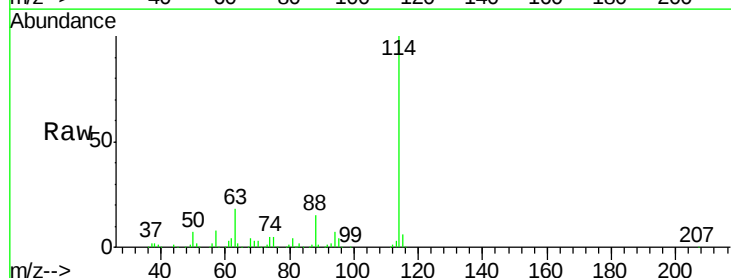
Tgt Ion: 114 Resp: 356560

Ion Ratio Lower Upper

114 100

63 17.6 0.0 30.8

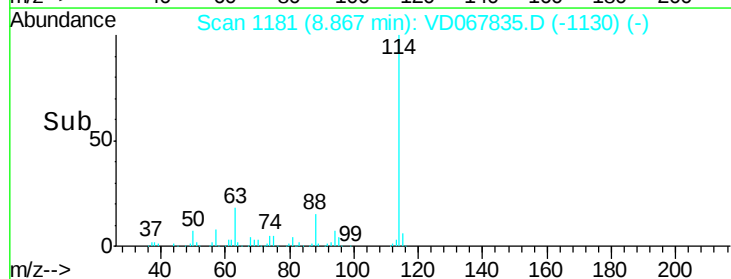
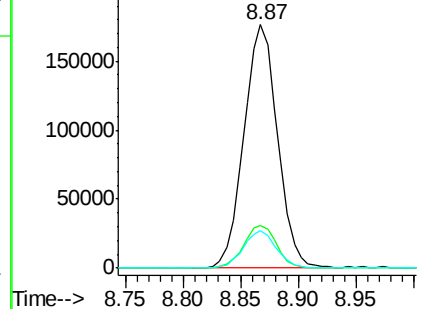
88 15.4 0.0 31.8

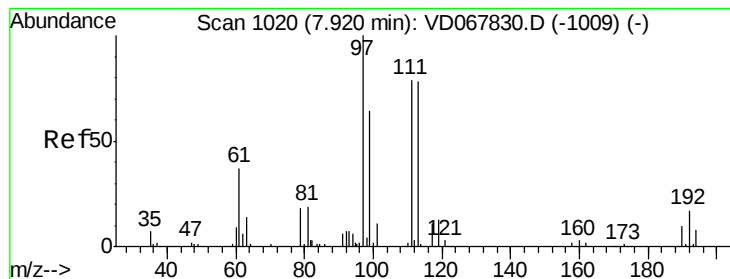


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.741 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

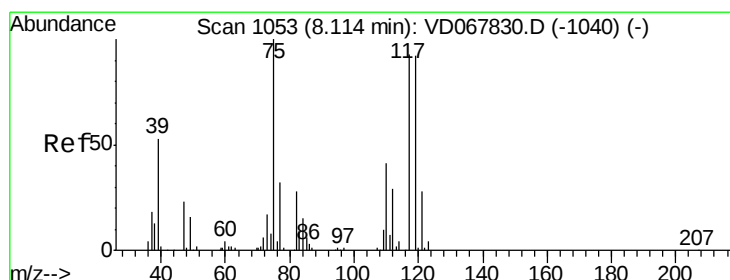
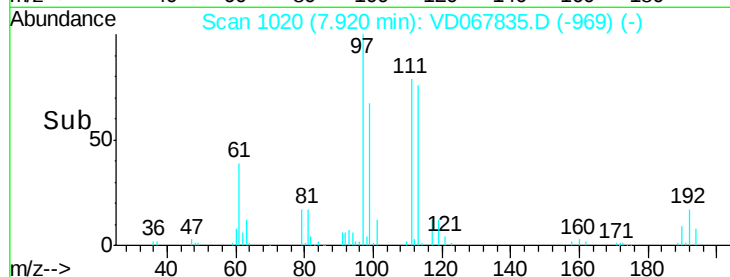
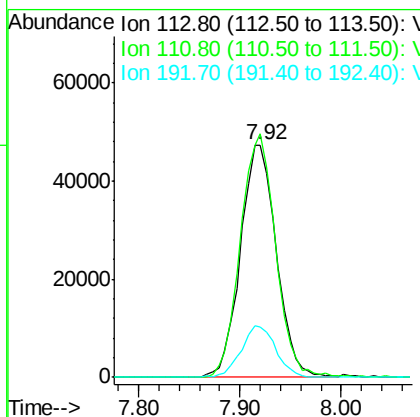
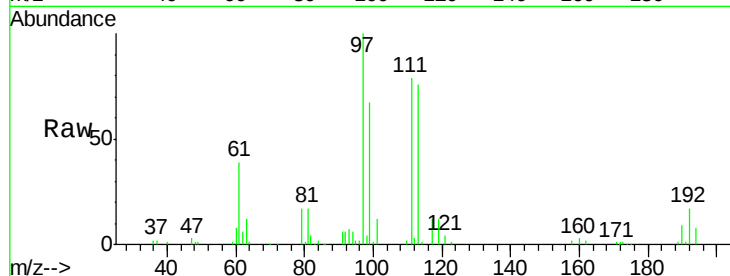
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	116292
Ion Ratio	Lower	Upper	
113	100		
111	103.2	81.2	121.8
192	21.4	16.8	25.2

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#36

1,1-Dichloropropene

Concen: 50.285 ug/l

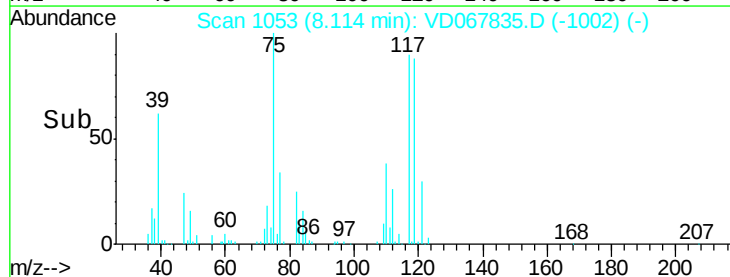
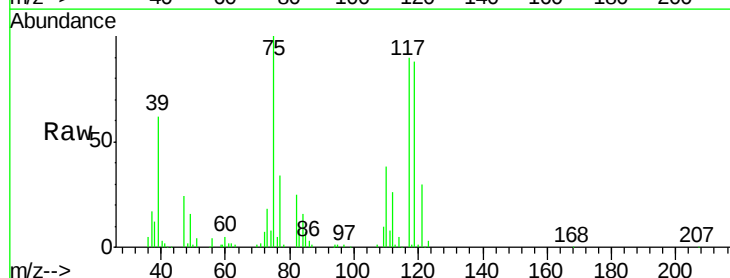
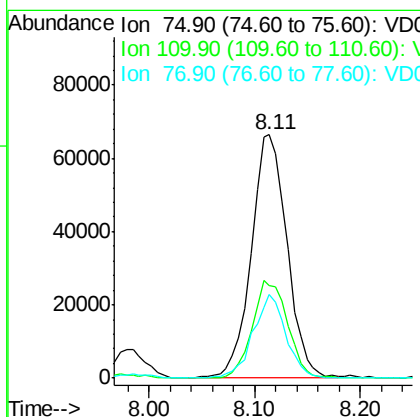
RT: 8.11 min Scan# 1053

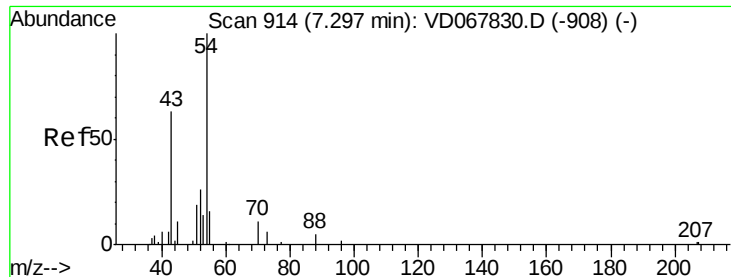
Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion:	75	Resp:	155216
Ion Ratio	Lower	Upper	
75	100		
110	39.9	20.3	61.0
77	32.2	24.7	37.1





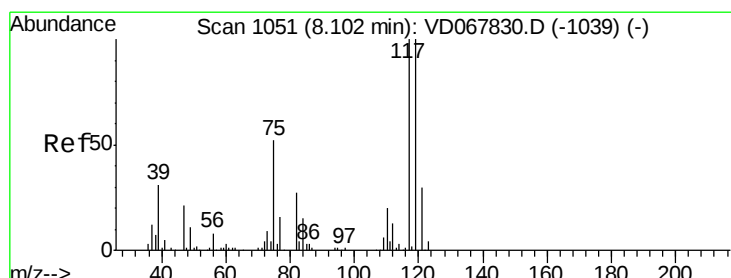
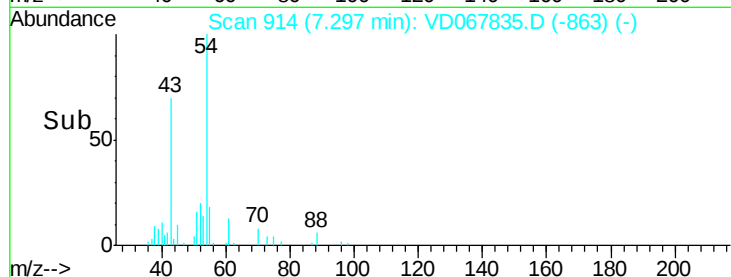
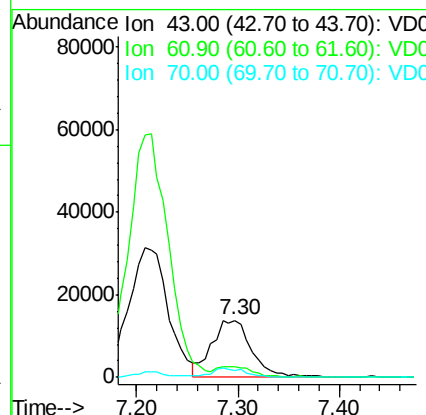
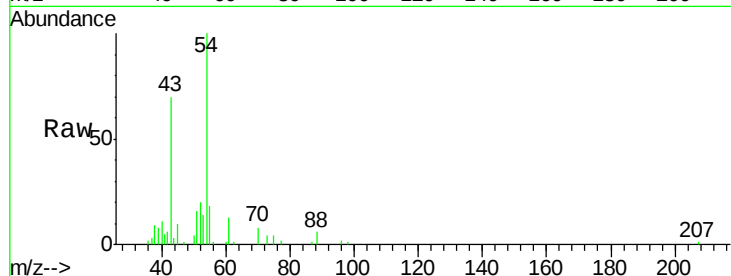
#37
Ethyl Acetate
Concen: 45.941 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	11.4	17.2#
70	13.4	11.5	17.3

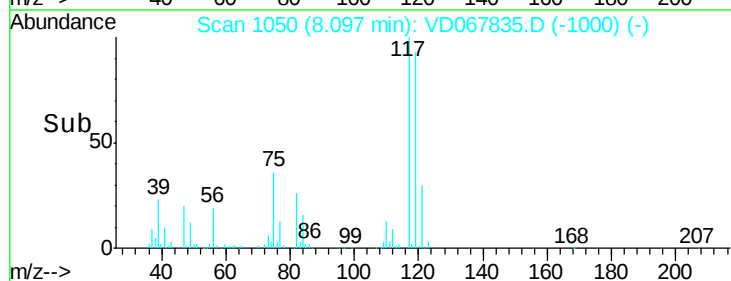
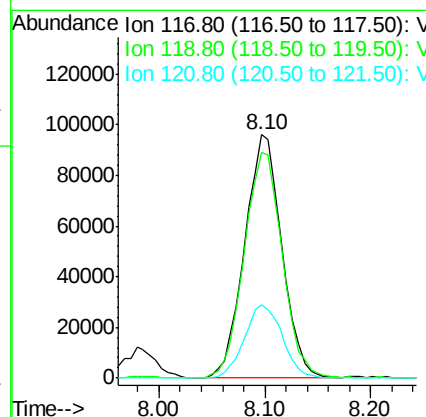
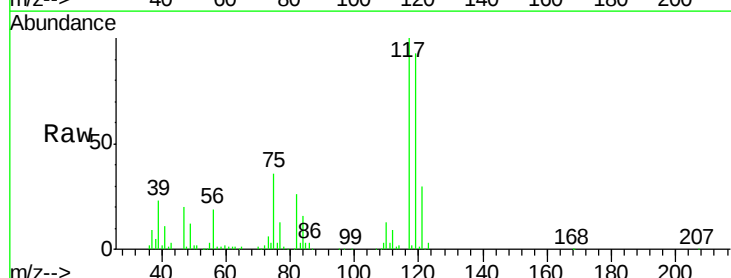
Manual Integrations
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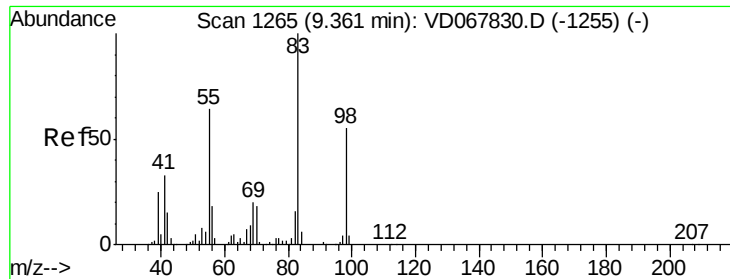
MMDadoda
12/3/2020 9:56:33 AM



#38
Carbon Tetrachloride
Concen: 49.971 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	79.7	119.5
121	30.3	23.8	35.6





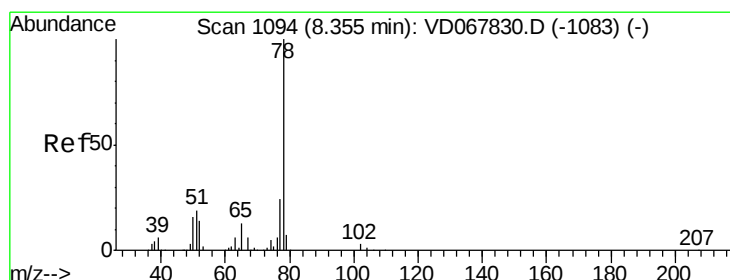
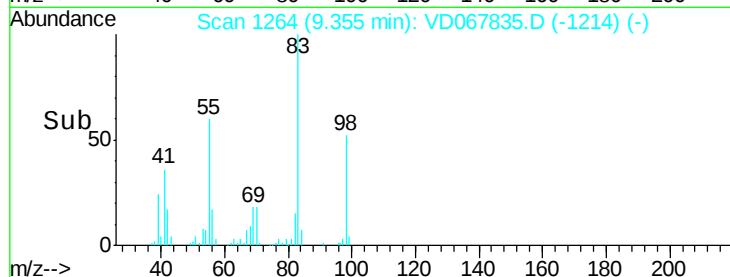
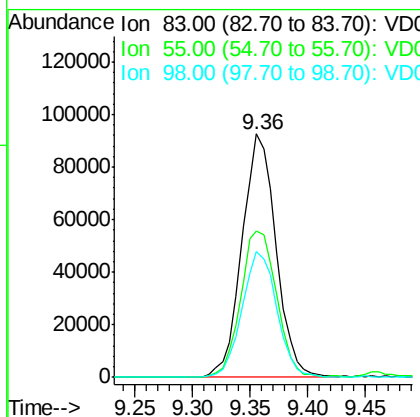
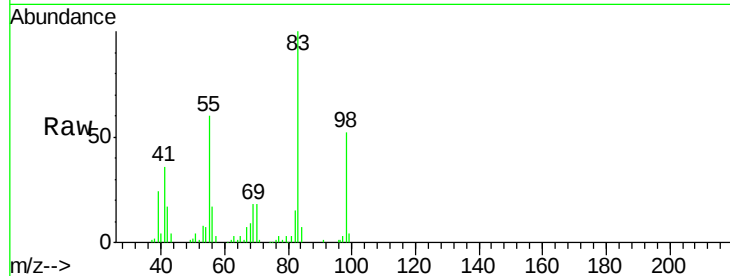
#39
Methvlcvclohexane
Concen: 51.965 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	60.2	51.6	77.4
98	51.7	44.3	66.5

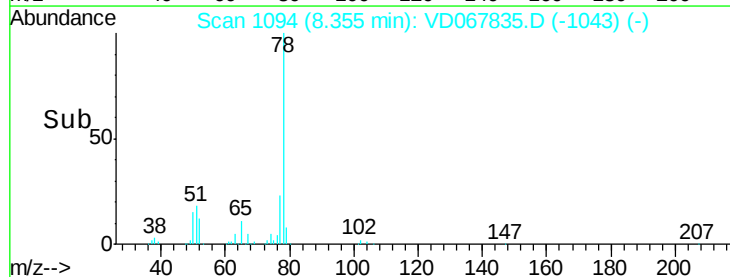
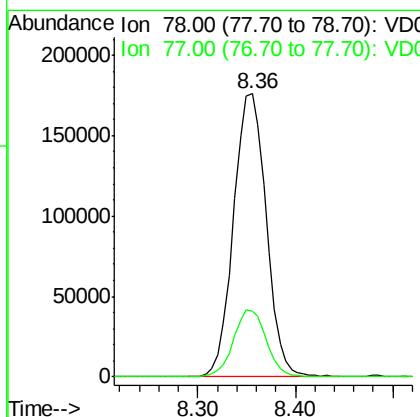
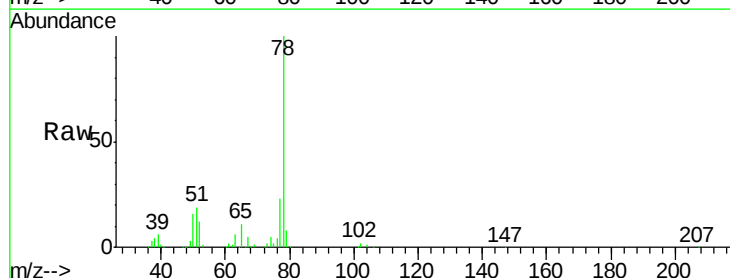
Manual Integrations
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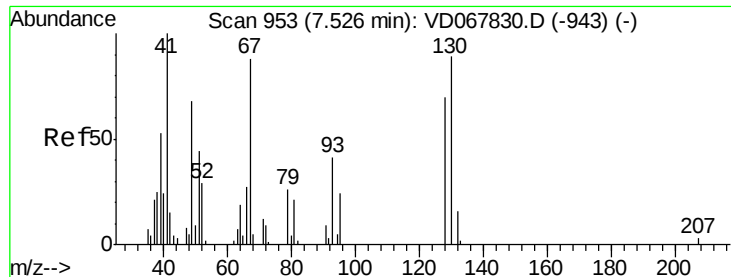
MMDadoda
12/3/2020 9:56:33 AM



#40
Benzene
Concen: 48.758 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.1	28.7





#41

Methacrylonitrile

Concen: 48.768 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 19310
Ion Ratio Lower Upper

41 100

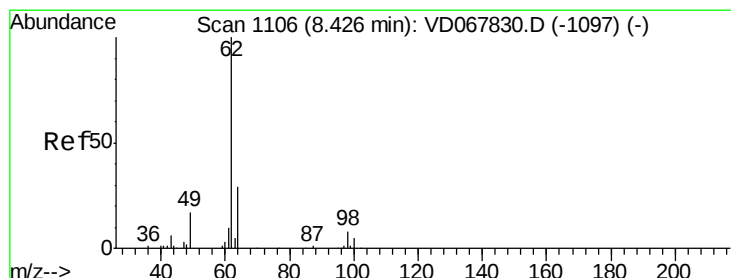
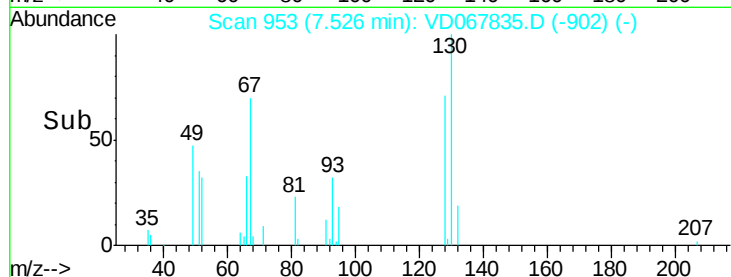
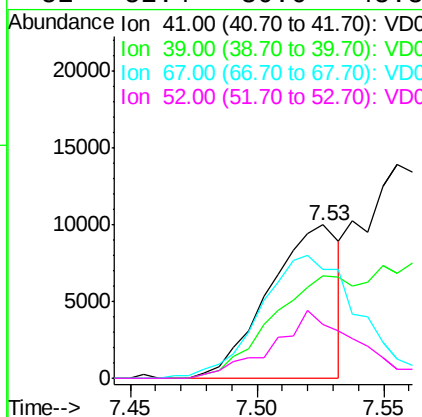
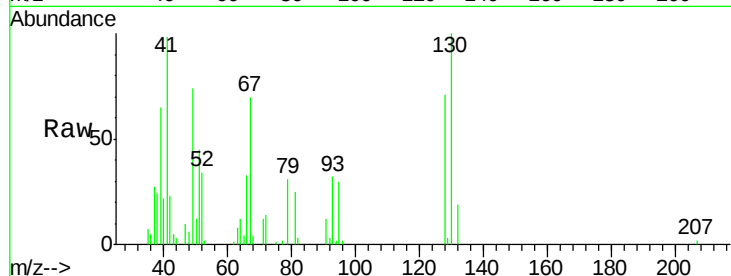
39 76.9 42.1 63.1#

67 111.0 82.4 123.6

52 52.4 30.6 45.8#

Manual Integrations
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MMDadoda
12/3/2020 9:56:33 AM



#42

1,2-Dichloroethane

Concen: 48.138 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. 0.01 min

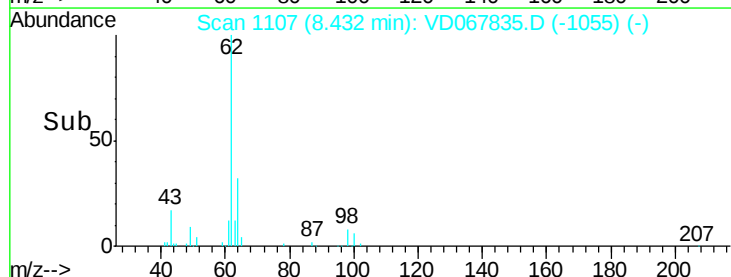
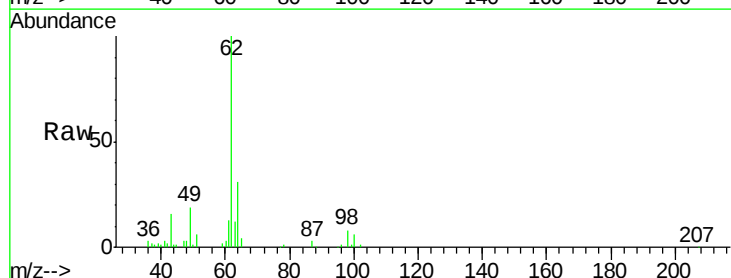
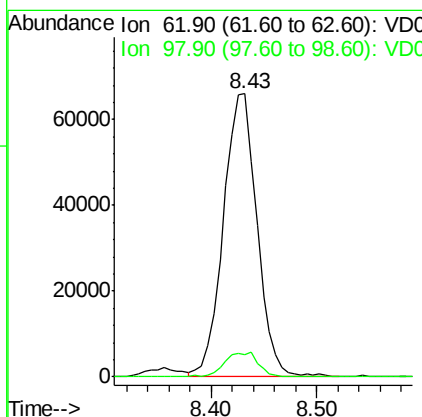
Lab File: VD067835.D

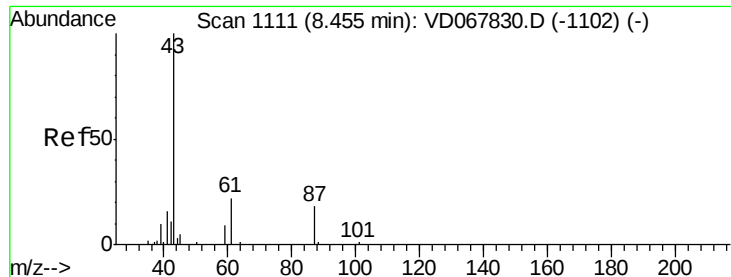
Acq: 02 Dec 2020 14:39

Tgt Ion: 62 Resp: 144907
Ion Ratio Lower Upper

62 100

98 8.8 0.0 17.2





#43

Isopropyl Acetate

Concen: 48.493 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

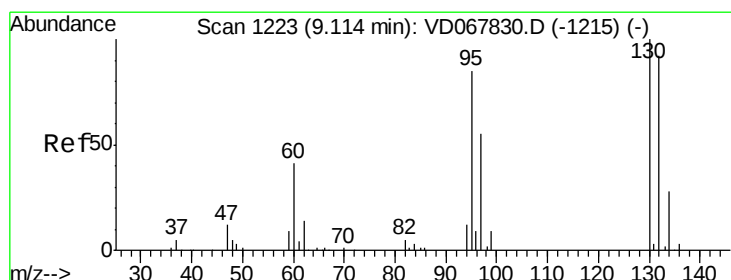
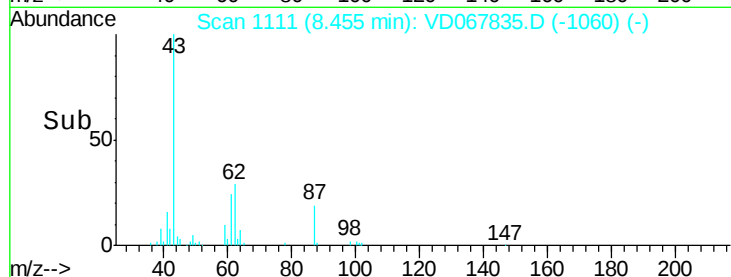
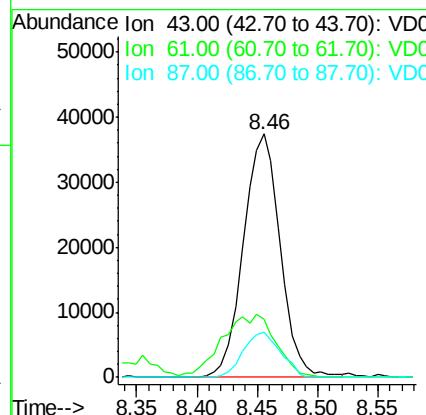
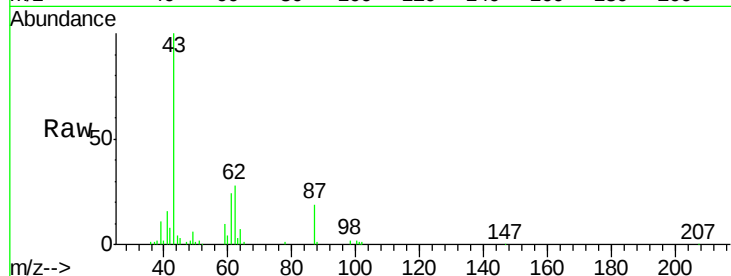
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	79378
Ion	Ratio	Lower	Upper
43	100		
61	37.8	30.4	45.6
87	18.6	16.2	24.2

Manual Integrations
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MMDadoda
12/3/2020 9:56:33 AM



#44

Trichloroethene

Concen: 48.709 ug/l

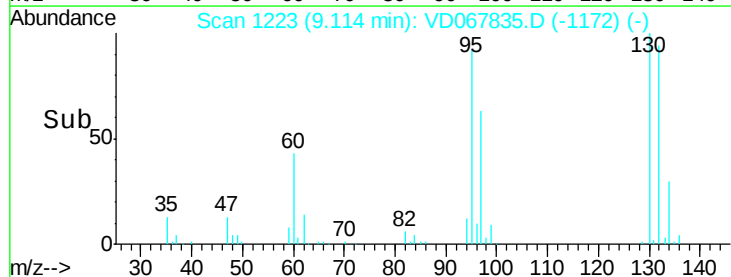
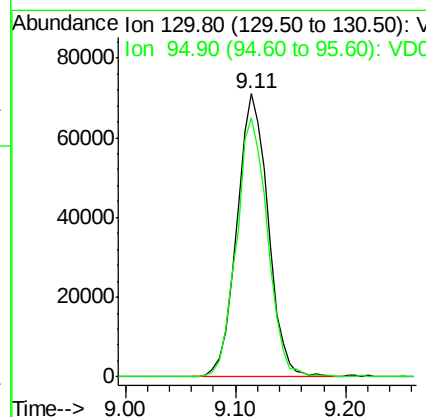
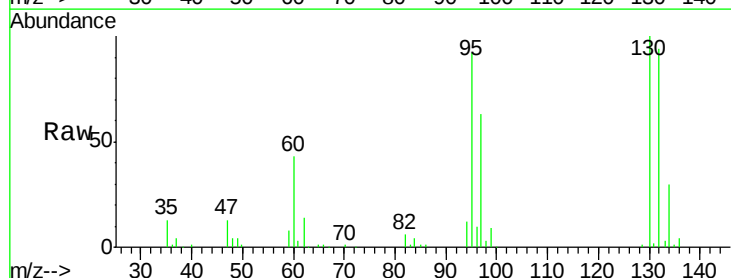
RT: 9.11 min Scan# 1223

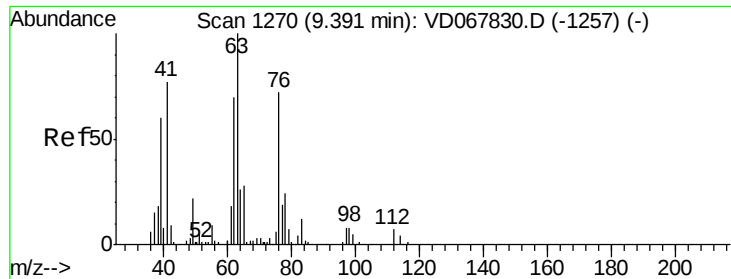
Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion:	130	Resp:	141445
Ion	Ratio	Lower	Upper
130	100		
95	91.6	0.0	170.2





#45

1,2-Dichloropropane

Concen: 47.142 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 81722

Ion Ratio Lower Upper

63 100

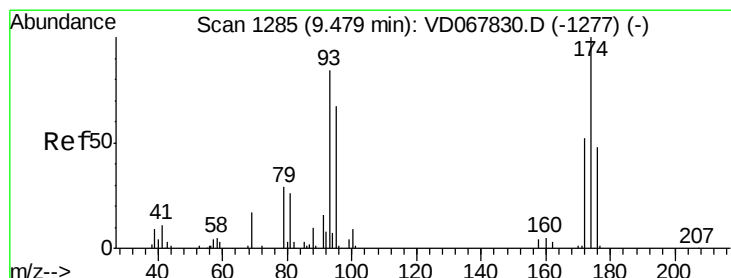
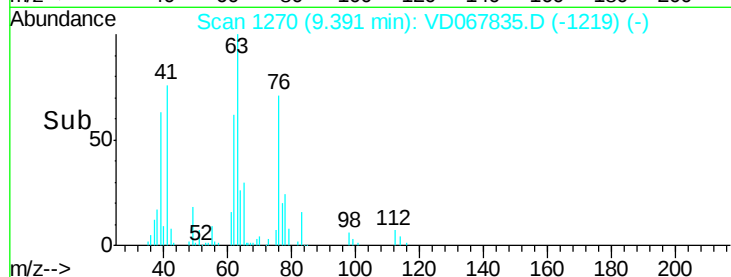
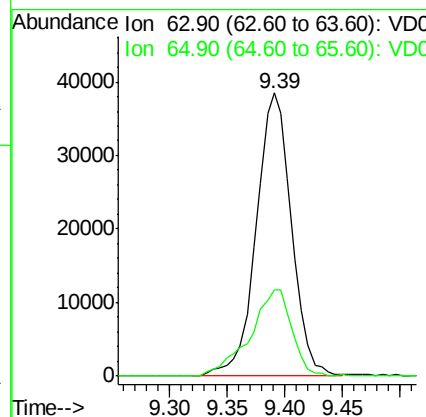
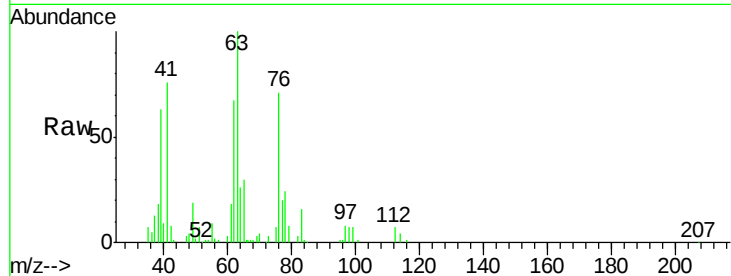
65 30.5 22.8 34.2

Manual Integrations

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MMDadoda

12/3/2020 9:56:33 AM



#46

Dibromomethane

Concen: 47.425 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

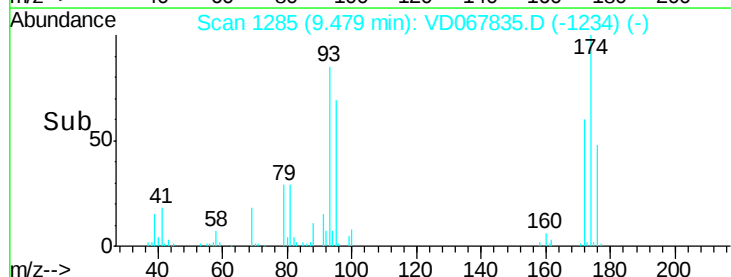
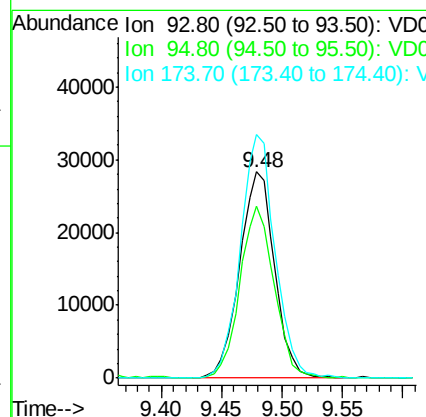
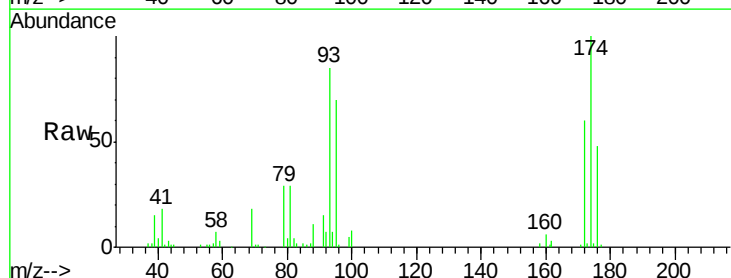
Tgt Ion: 93 Resp: 57160

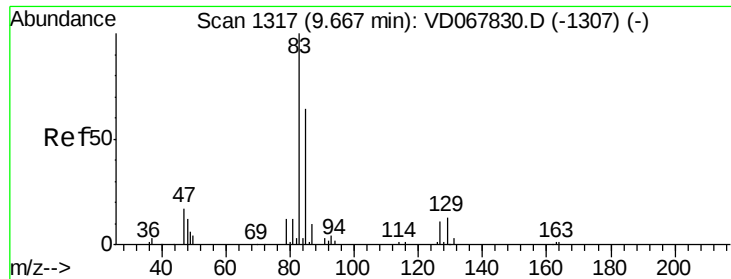
Ion Ratio Lower Upper

93 100

95 81.7 64.2 96.4

174 117.4 91.5 137.3





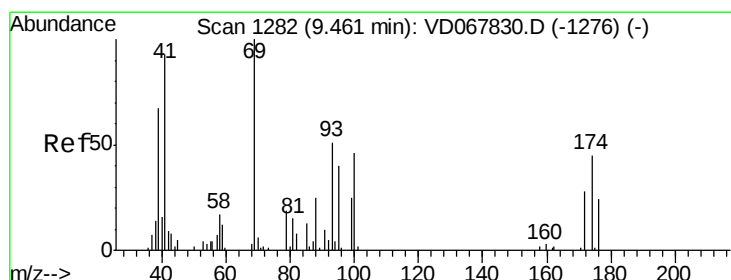
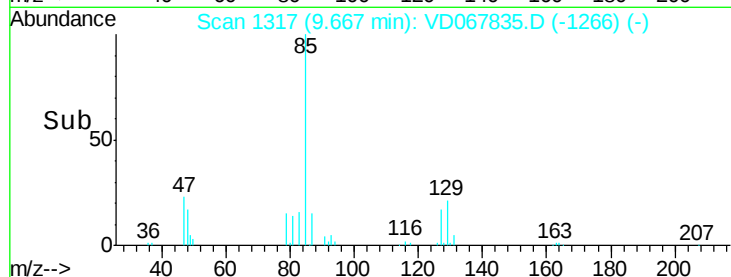
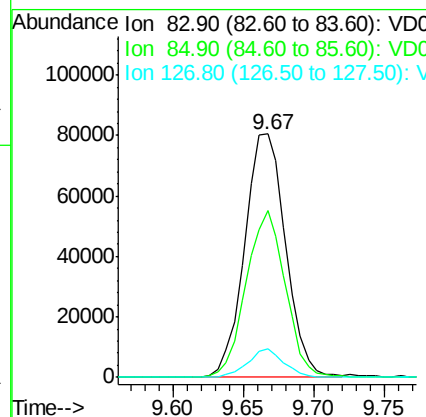
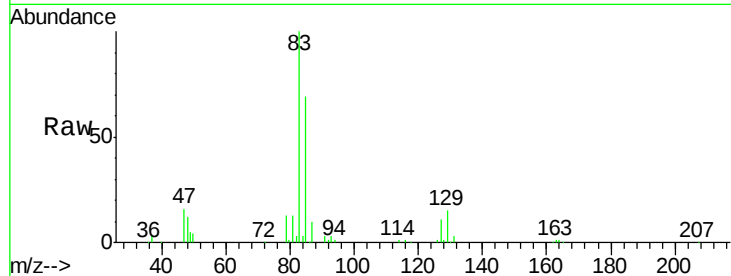
#47
Bromodichloromethane
Concen: 47.833 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	164358		
85	68.7	51.4	77.0	
127	11.5	8.5	12.7	

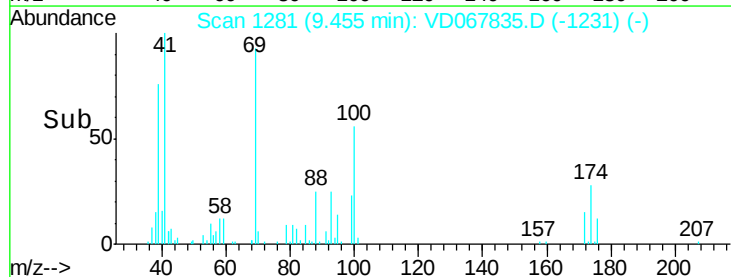
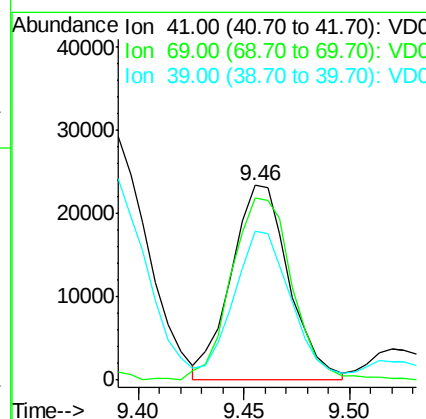
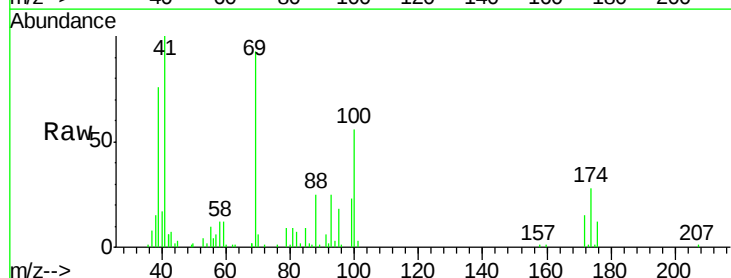
Manual Integrations
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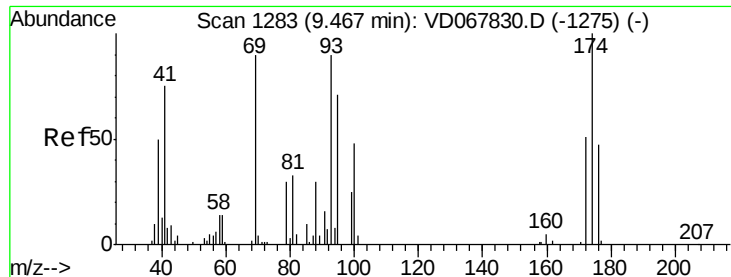
MMDadoda
12/3/2020 9:56:33 AM



#48
Methyl methacrylate
Concen: 53.337 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	44333		
69	98.6	87.6	131.4	
39	68.8	61.2	91.8	





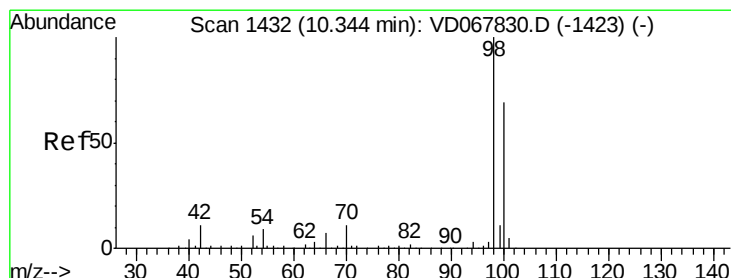
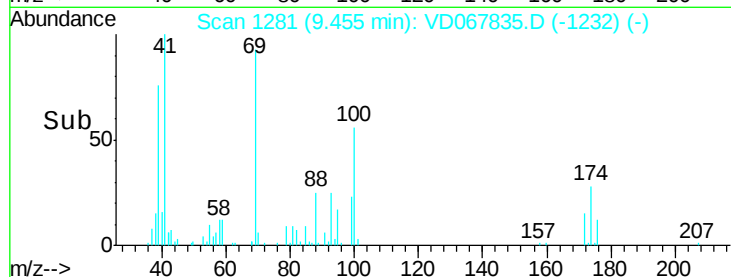
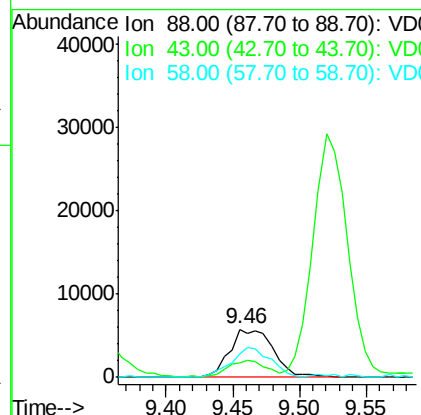
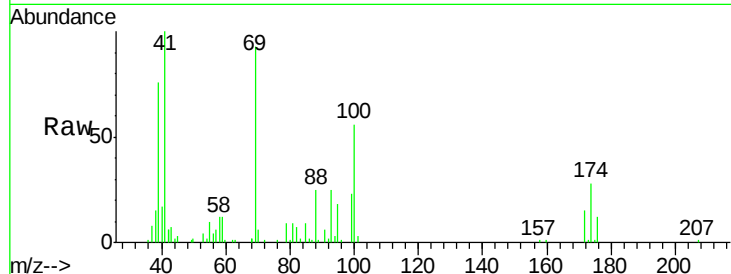
#49
1,4-Dioxane
Concen: 958.750 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.2	30.1	45.1
58	55.5	42.4	63.6

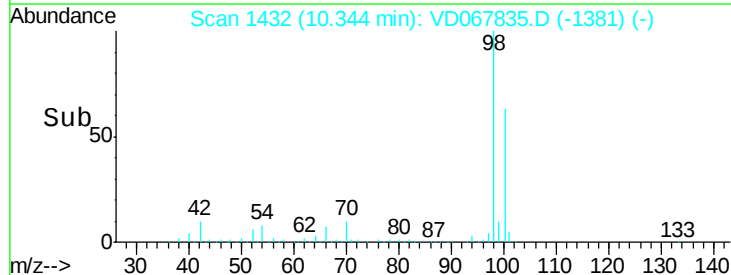
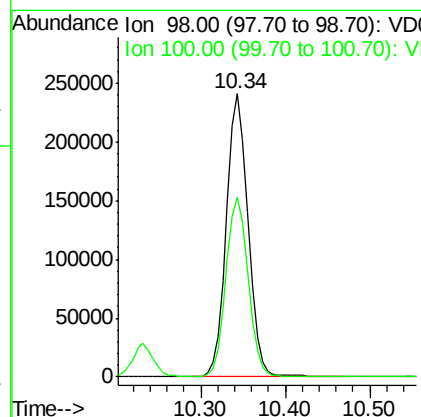
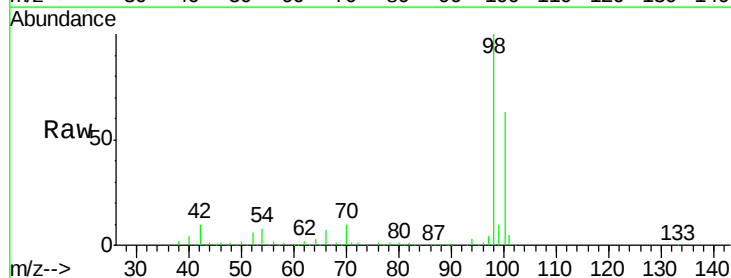
Manual Integrations
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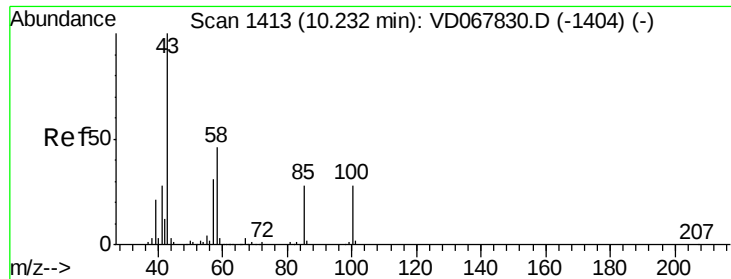
MMDadoda
12/3/2020 9:56:33 AM



#50
Toluene-d8
Concen: 50.010 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.9	79.3





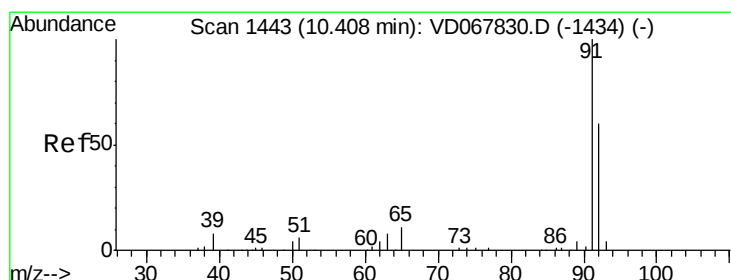
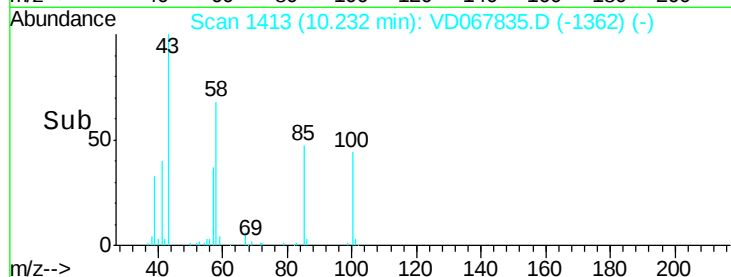
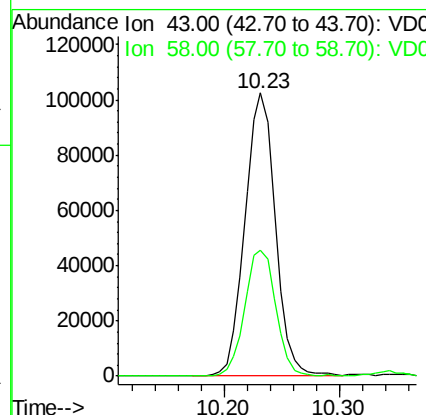
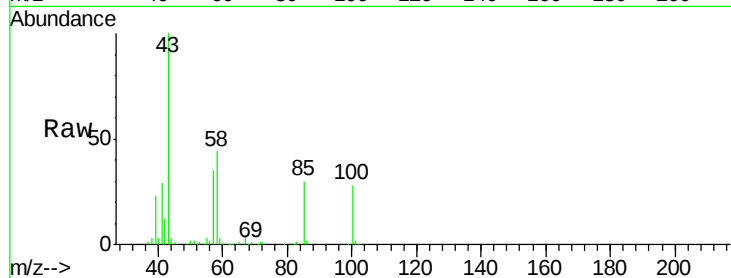
#51
4-Methyl-2-Pentanone
Concen: 242.446 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 187828
Ion Ratio Lower Upper
43 100
58 45.6 35.7 53.5

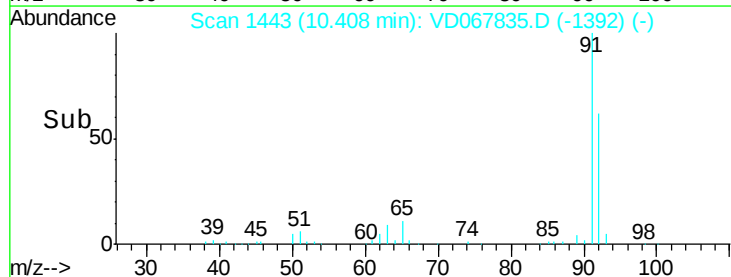
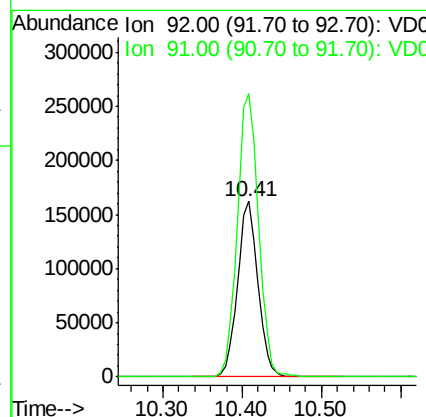
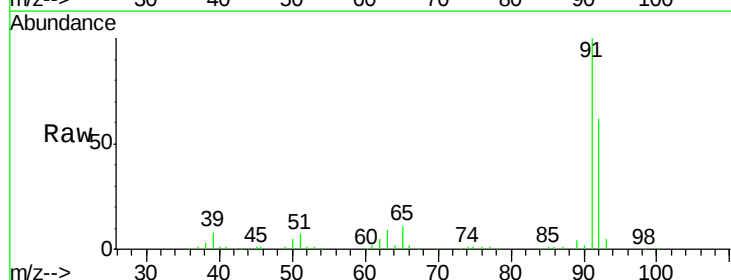
Manual Integrations
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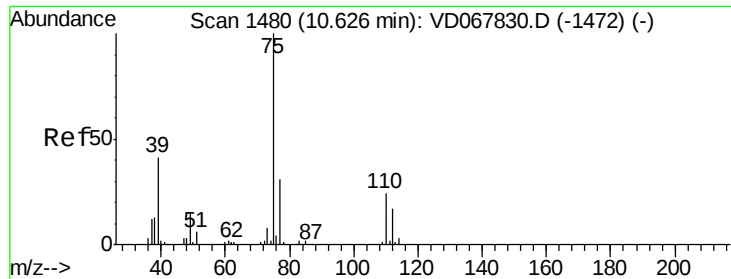
MMDadoda
12/3/2020 9:56:33 AM



#52
Toluene
Concen: 48.842 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 92 Resp: 288418
Ion Ratio Lower Upper
92 100
91 168.3 134.2 201.2





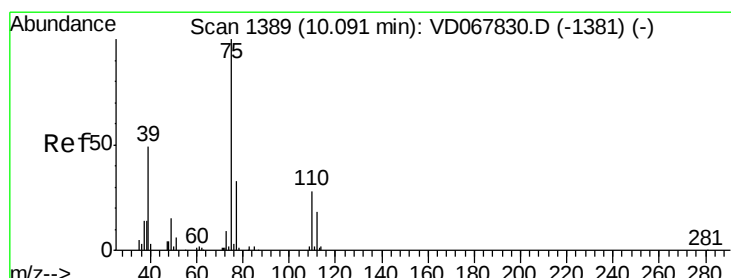
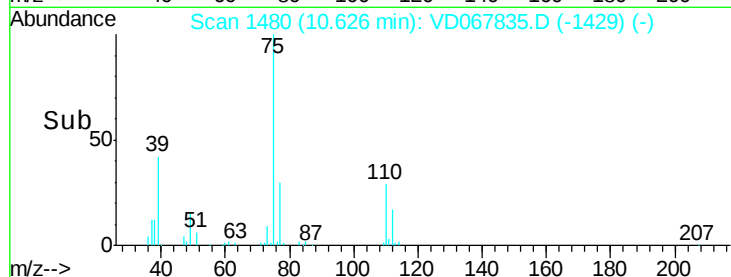
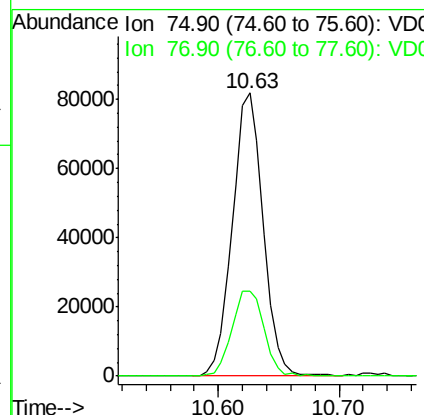
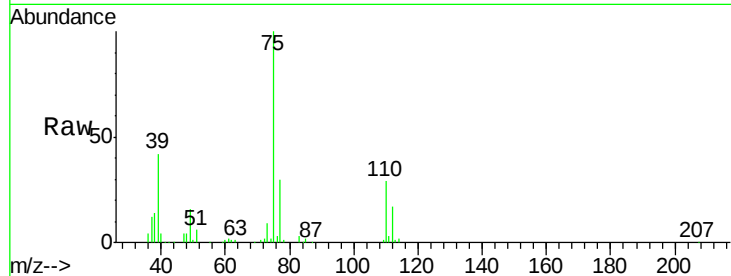
#53
t-1,3-Dichloropropene
Concen: 48.917 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 145074
Ion Ratio Lower Upper
75 100
77 29.9 25.0 37.4

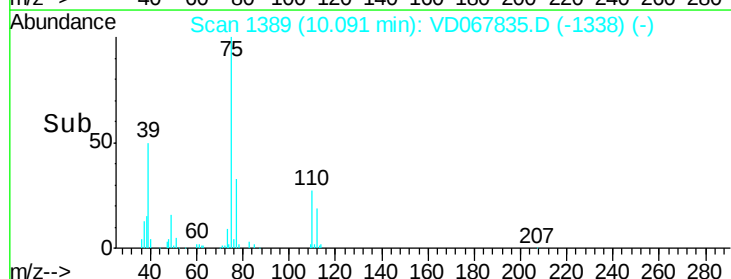
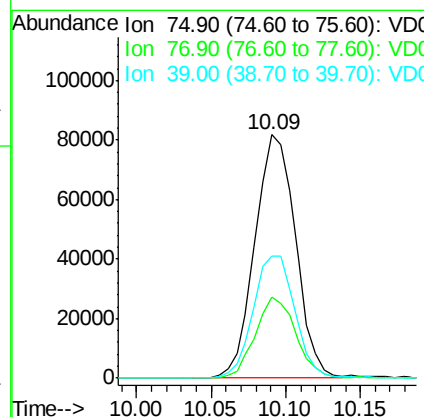
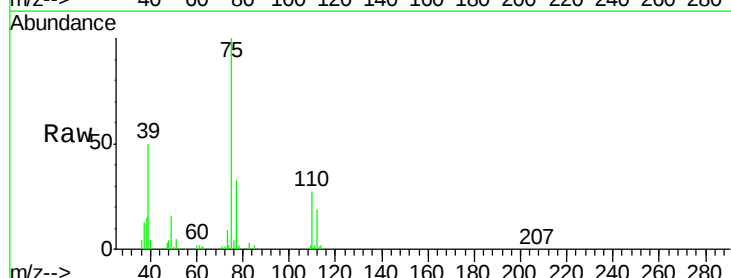
Manual Integrations
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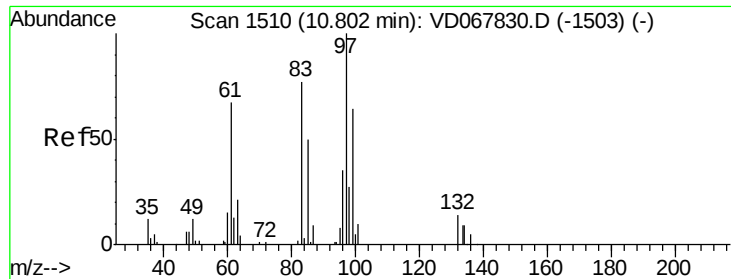
MMDadoda
12/3/2020 9:56:33 AM



#54
cis-1,3-Dichloropropene
Concen: 47.834 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 75 Resp: 154308
Ion Ratio Lower Upper
75 100
77 33.1 26.2 39.2
39 49.8 39.0 58.4





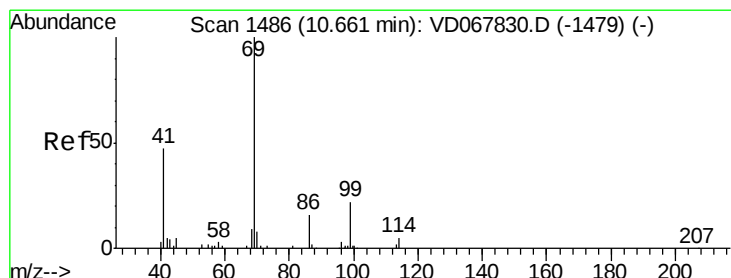
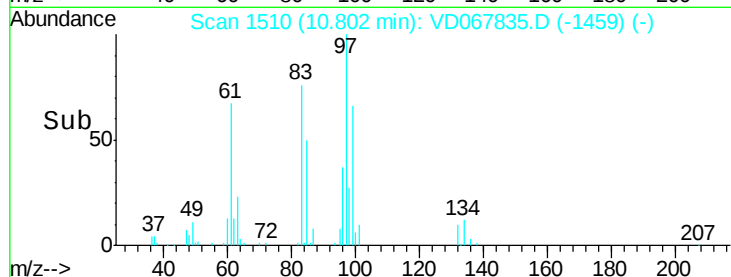
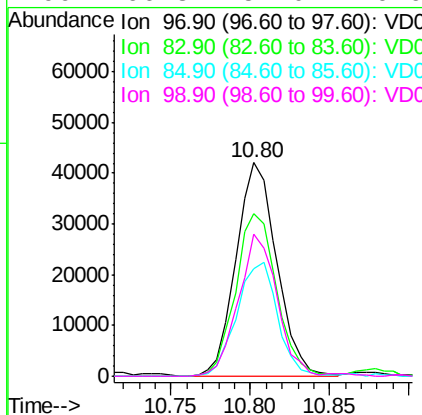
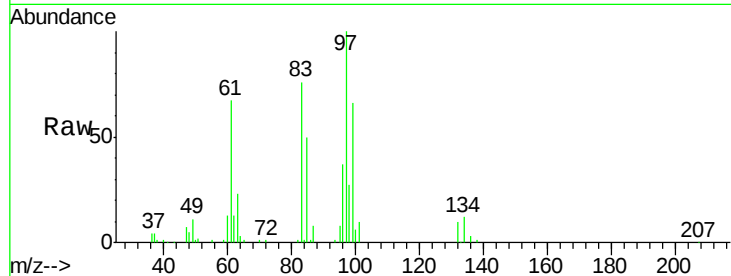
#55
 1,1,2-Trichloroethane
 Concen: 45.611 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	75233
Ion	Ratio	Lower	Upper
97	100		
83	76.0	61.9	92.9
85	50.3	40.2	60.4
99	66.3	51.0	76.6

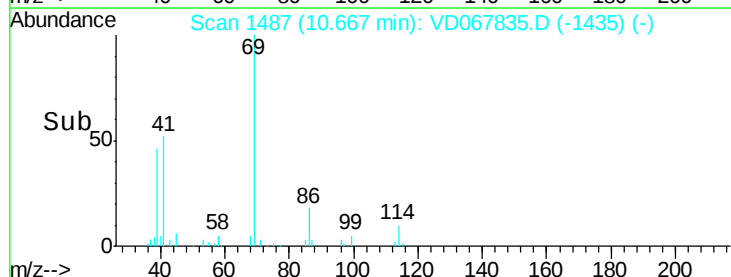
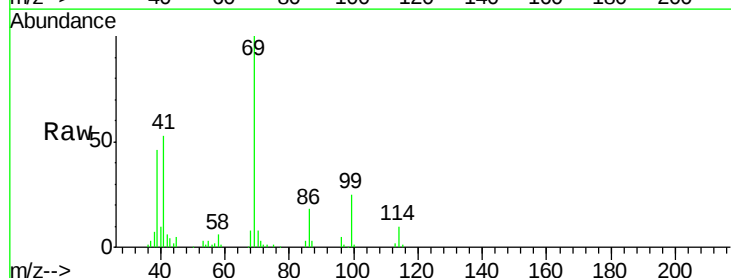
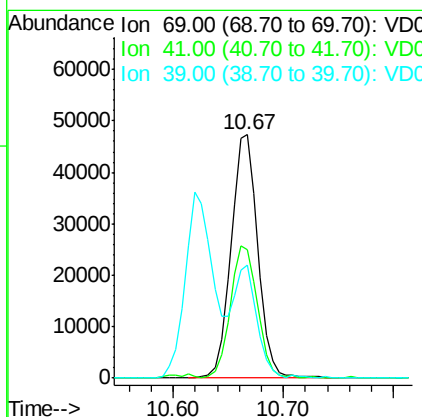
Manual Integrations
 APPROVED

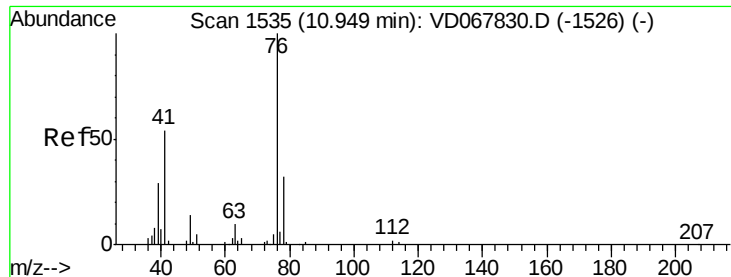
MMDadoda
 12/3/2020 9:56:33 AM



#56
 Ethyl methacrylate
 Concen: 48.004 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.01 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion:	69	Resp:	80560
Ion	Ratio	Lower	Upper
69	100		
41	55.2	42.8	64.2
39	38.5	30.5	45.7





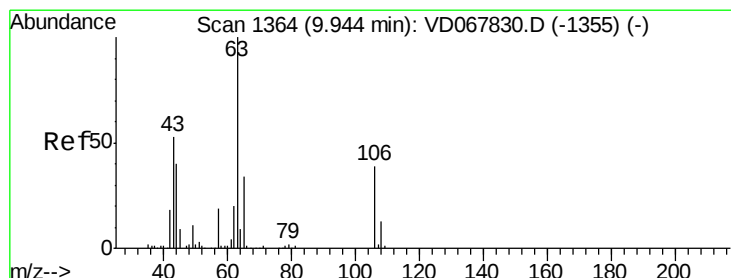
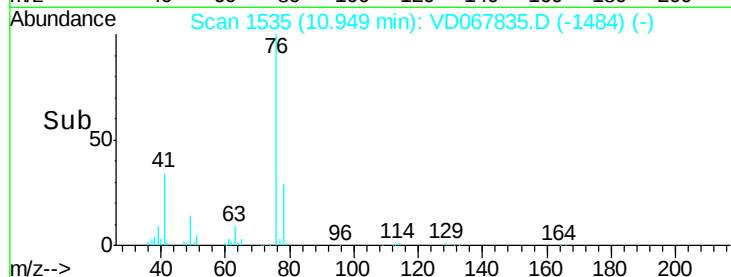
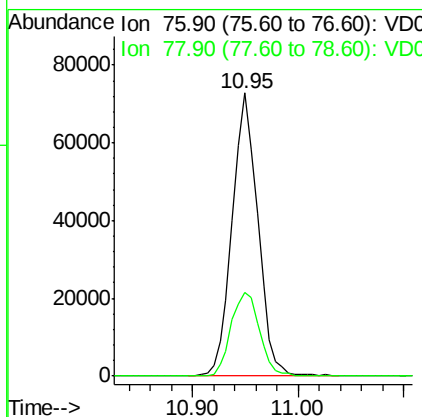
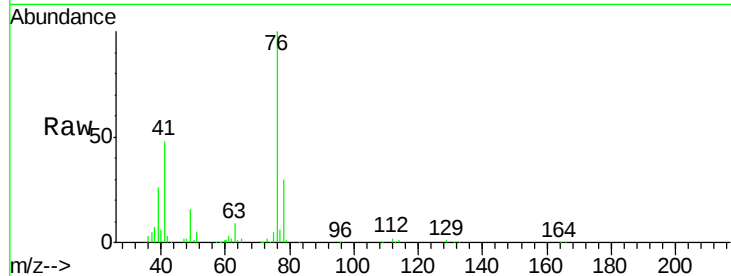
#57
 1,3-Dichloropropane
 Concen: 46.928 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.6	39.8

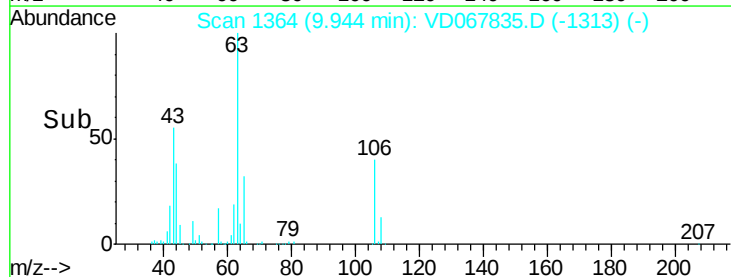
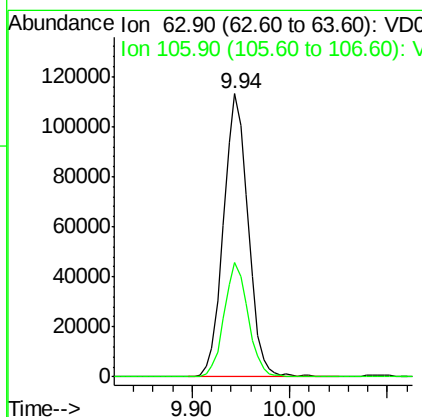
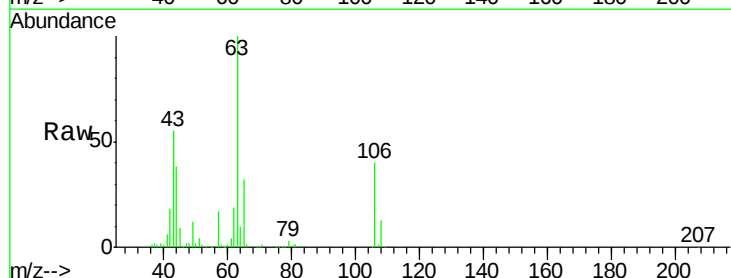
Manual Integrations
 APPROVED

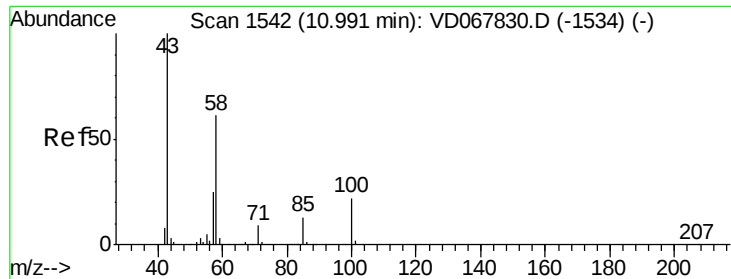
MMDadoda
 12/3/2020 9:56:33 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 259.295 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
63	100		
106	39.2	32.0	48.0





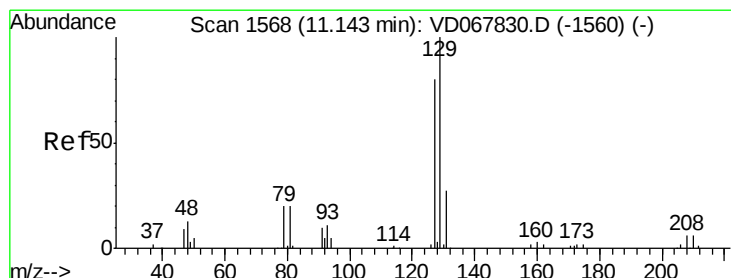
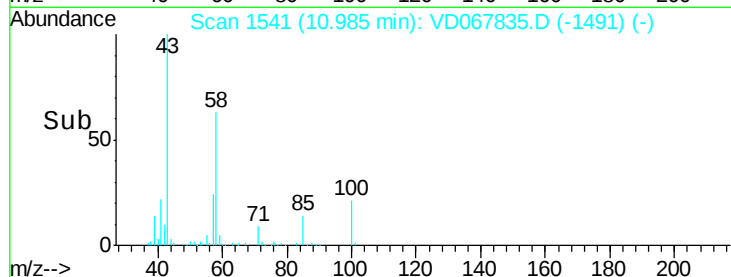
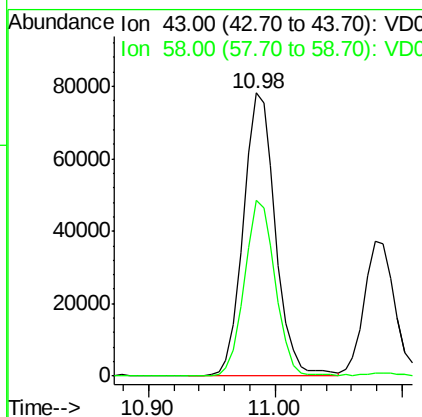
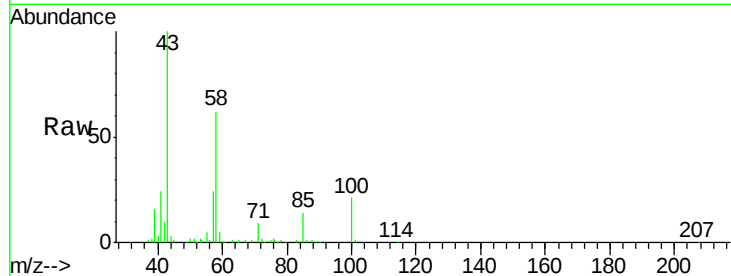
#59
2-Hexanone
Concen: 251.635 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	43	Resp	137427
Ion Ratio	100	Lower	Upper
43	100		
58	59.2	29.9	89.7

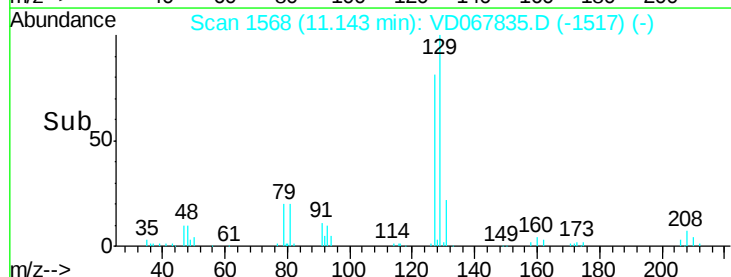
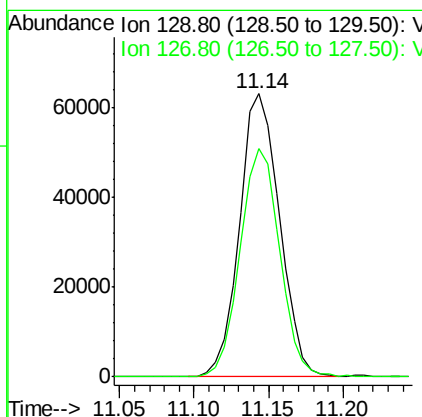
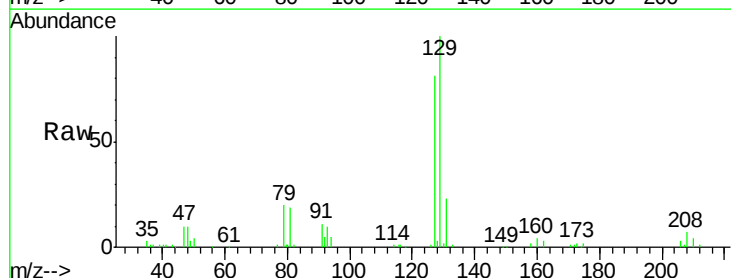
Manual Integrations
APPROVED

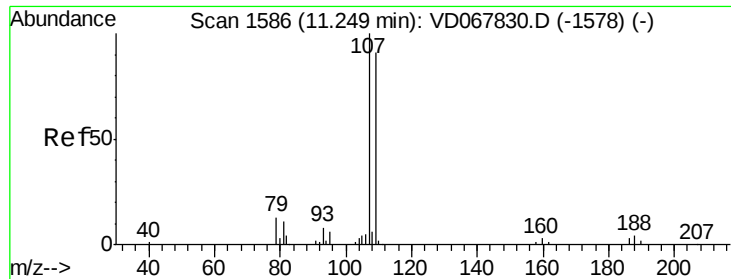
MMDadoda
12/3/2020 9:56:33 AM



#60
Dibromochloromethane
Concen: 47.259 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	129	Resp	117505
Ion Ratio	100	Lower	Upper
129	100		
127	79.8	39.2	117.6





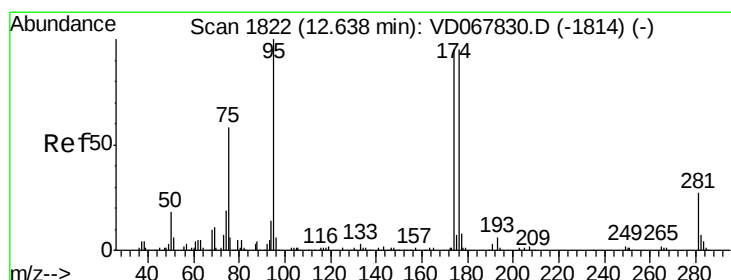
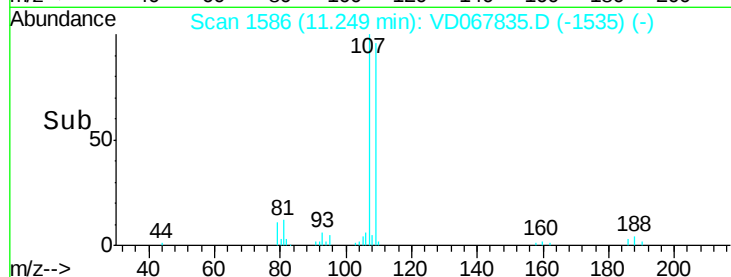
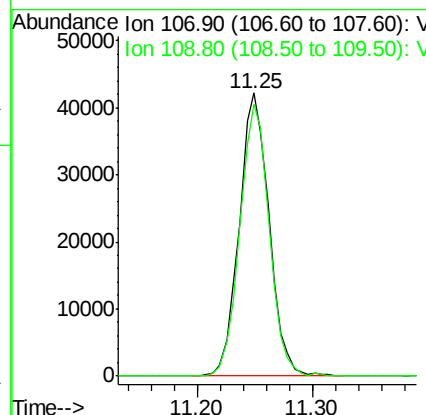
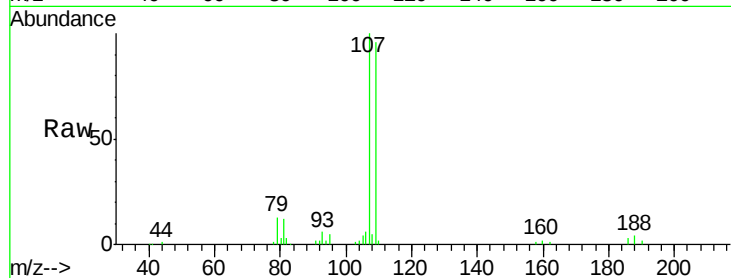
#61
 1,2-Dibromoethane
 Concen: 46.607 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.5	75.9	113.9

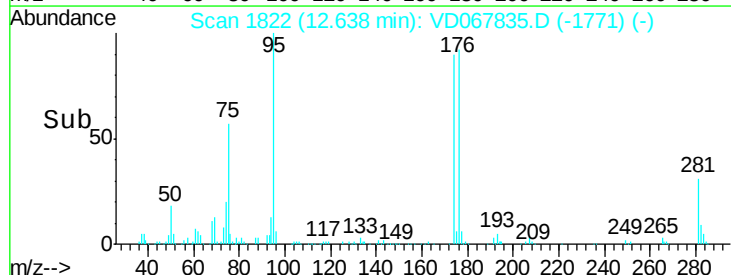
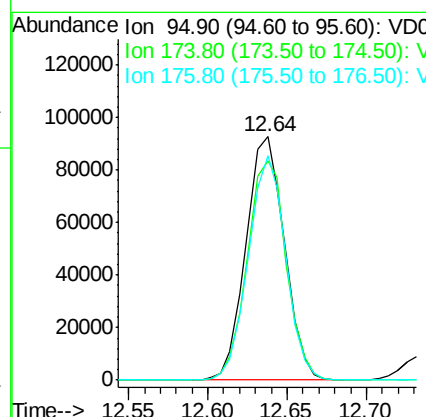
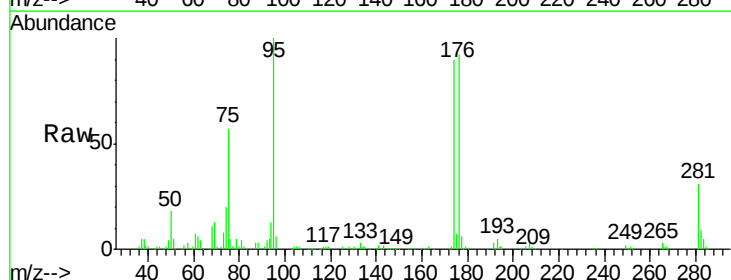
Manual Integrations
 APPROVED

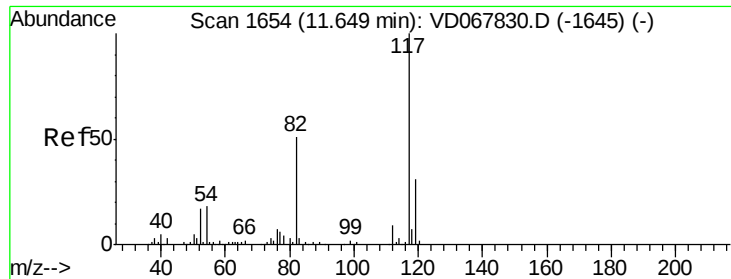
MMDadoda
 12/3/2020 9:56:33 AM



#62
 4-Bromofluorobenzene
 Concen: 52.742 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.4	0.0	186.0
176	89.1	0.0	184.2





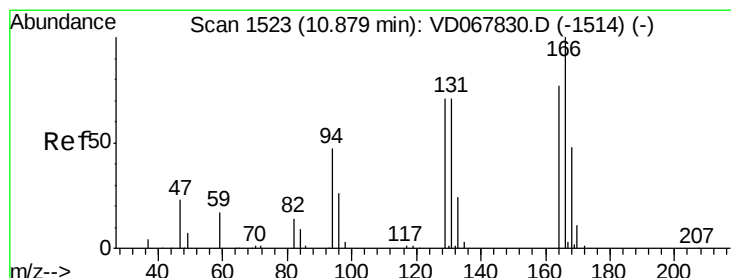
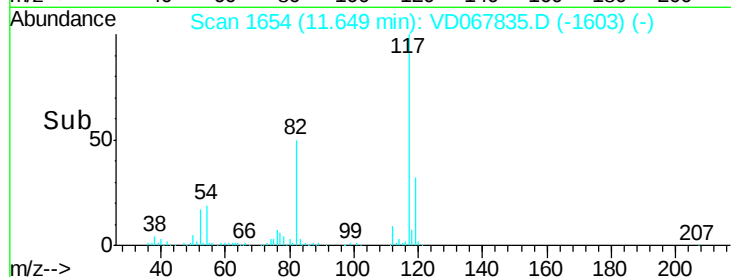
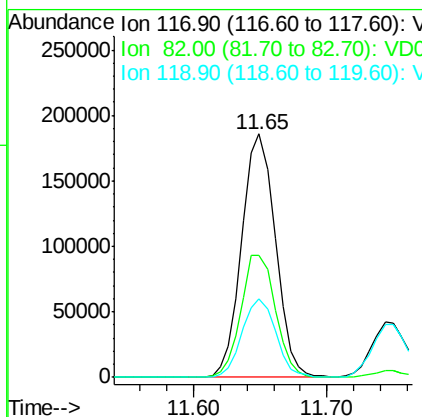
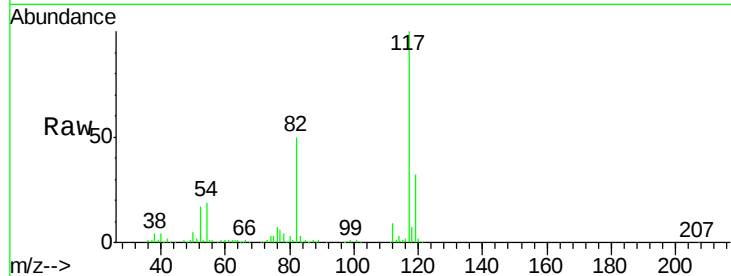
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.3	40.6	60.8
119	32.4	25.1	37.7

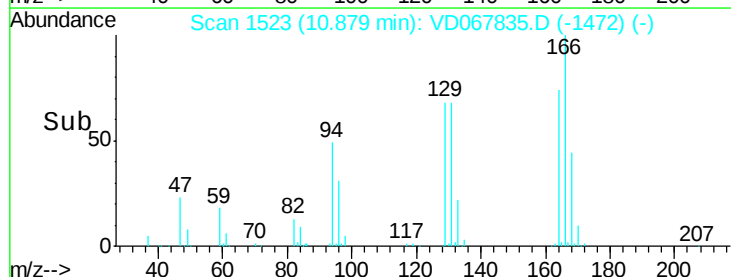
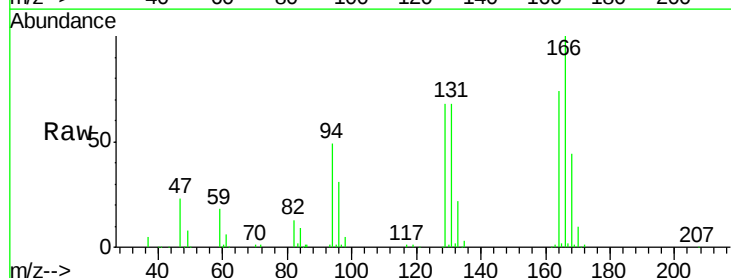
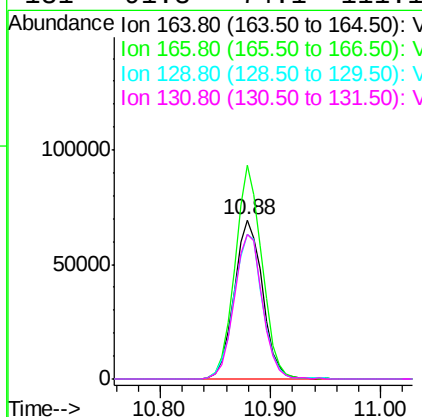
Manual Integrations
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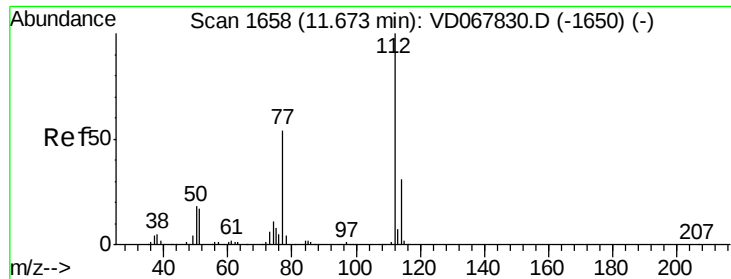
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#64
Tetrachloroethene
Concen: 47.218 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.4	103.8	155.6
129	91.0	73.3	109.9
131	91.3	74.1	111.1





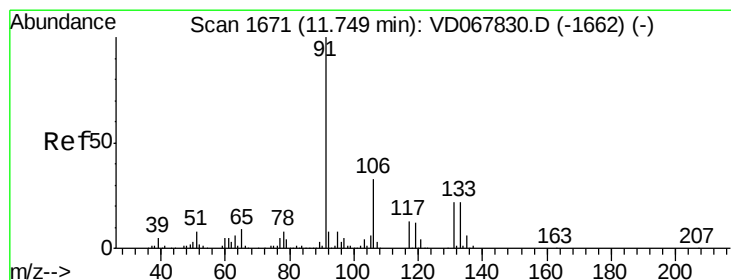
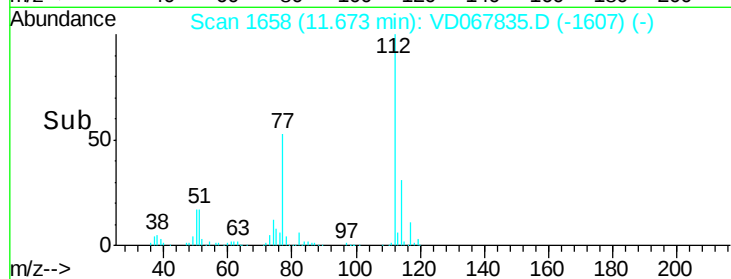
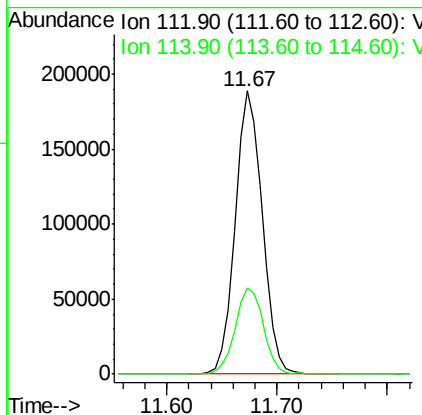
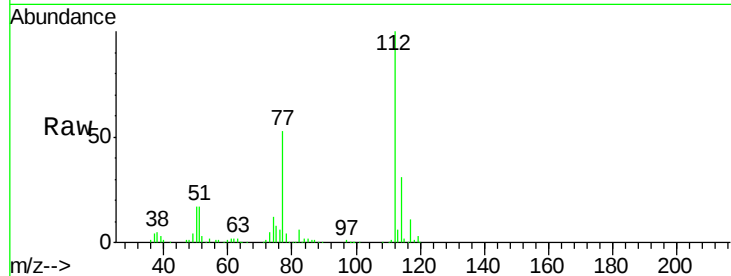
#65
Chlorobenzene
Concen: 48.453 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	30.6	25.0	37.4

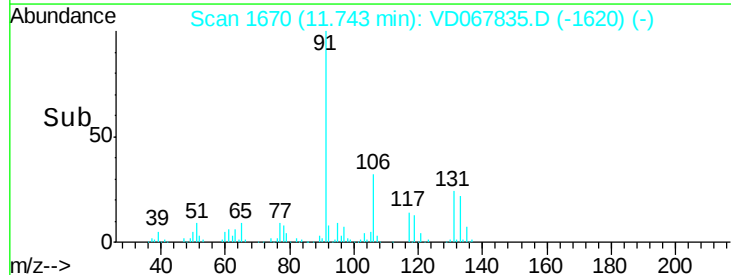
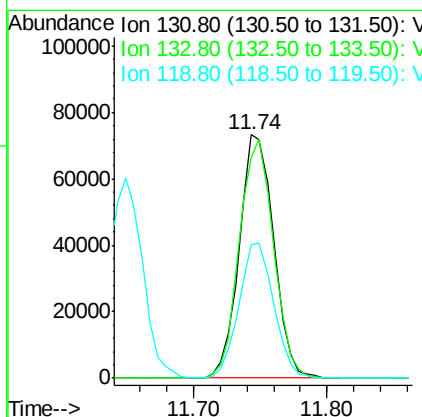
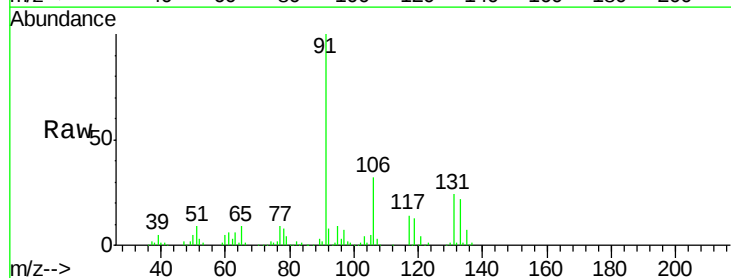
Manual Integrations
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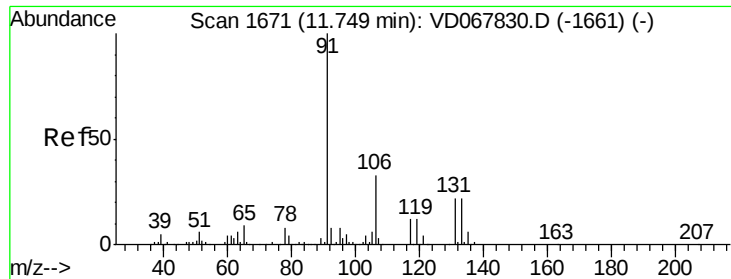
MMDadoda
12/3/2020 9:56:33 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 47.666 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.4	49.9	149.7
119	56.1	29.6	88.9





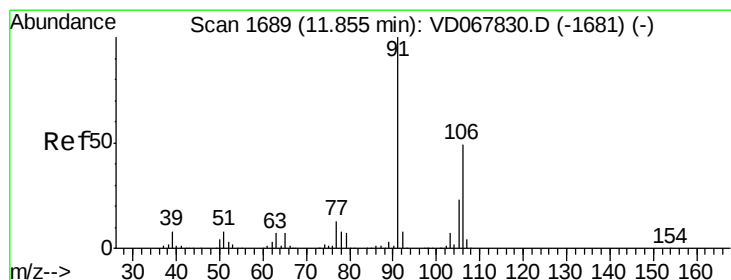
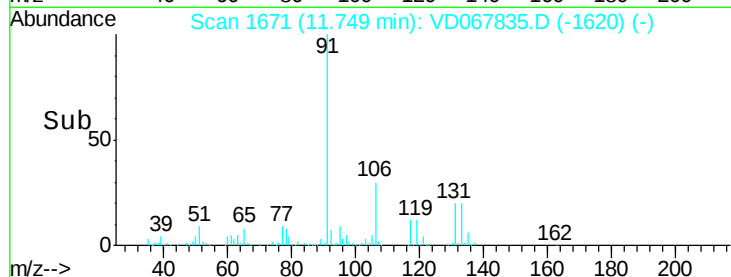
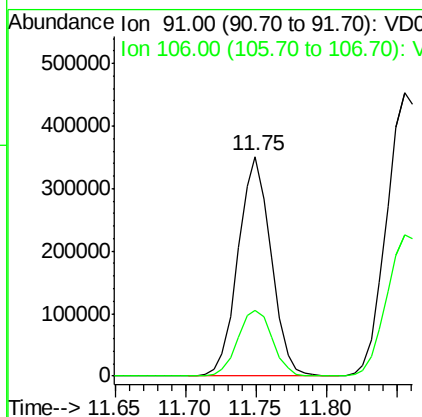
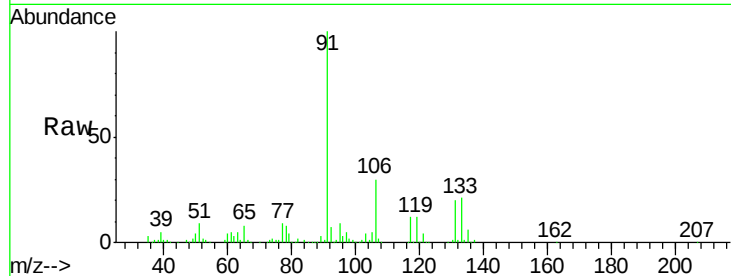
#67
Ethyl Benzene
Concen: 49.931 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 572306
Ion Ratio Lower Upper
91 100
106 30.1 26.2 39.2

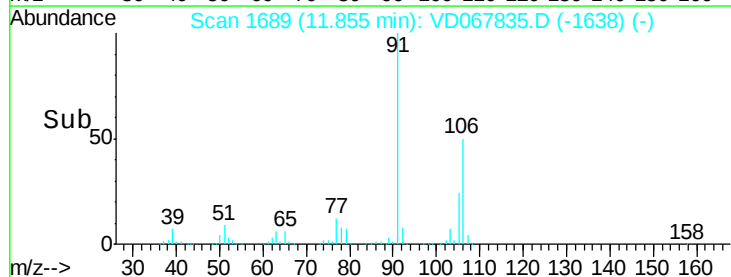
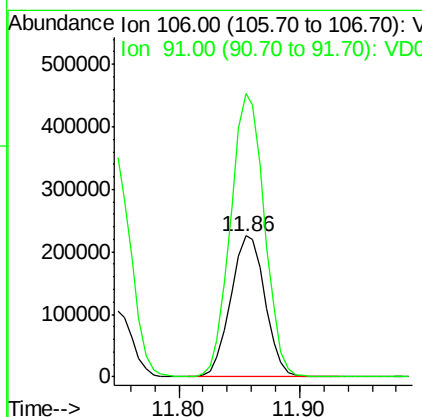
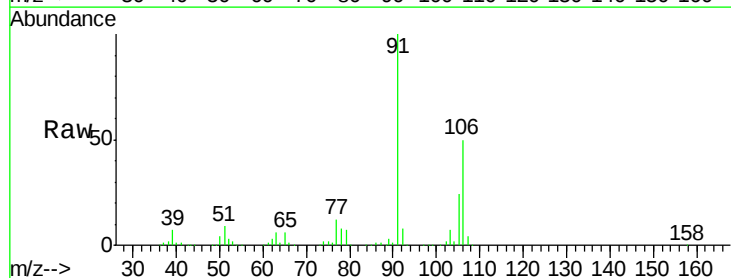
Manual Integrations
APPROVED

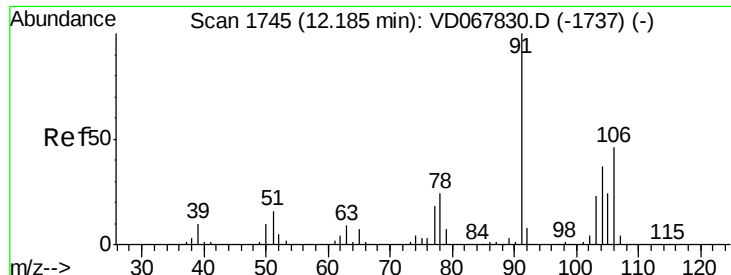
MMDadoda
12/3/2020 9:56:33 AM



#68
m/p-Xylenes
Concen: 98.775 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion: 106 Resp: 446413
Ion Ratio Lower Upper
106 100
91 197.9 162.8 244.2





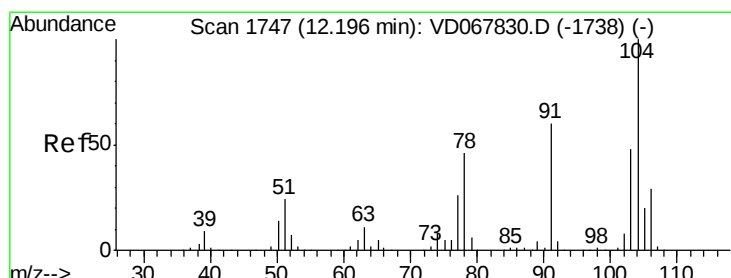
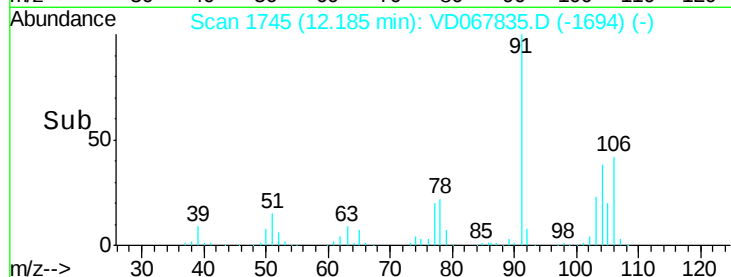
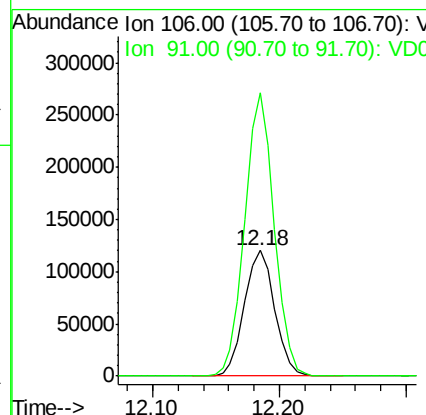
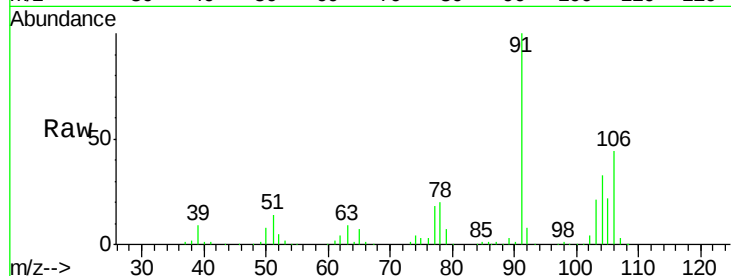
#69
o-Xylene
Concen: 49.875 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 200113
Ion Ratio Lower Upper
106 100
91 217.6 107.5 322.5

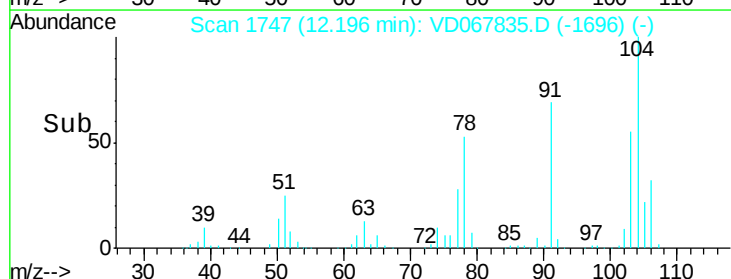
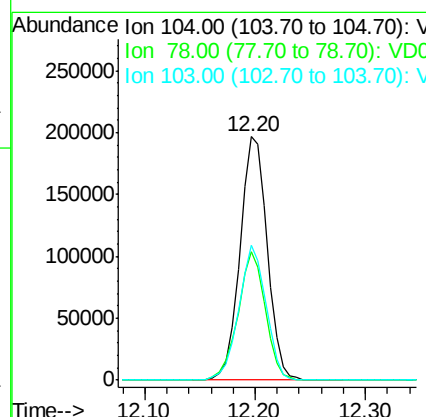
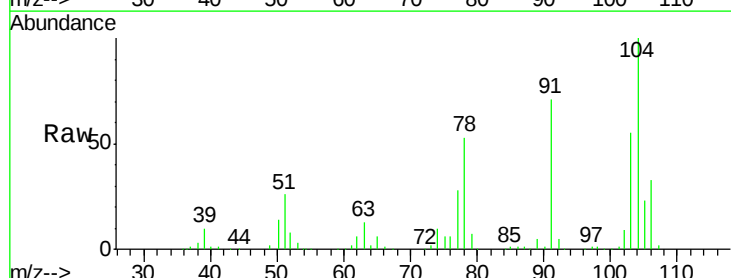
Manual Integrations
APPROVED

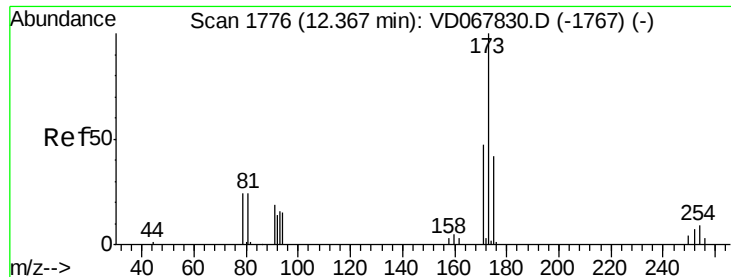
MMDadoda
12/3/2020 9:56:33 AM



#70
Styrene
Concen: 48.689 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion:104 Resp: 339693
Ion Ratio Lower Upper
104 100
78 53.1 41.6 62.4
103 55.7 43.2 64.8





#71

Bromoform

Concen: 47.150 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

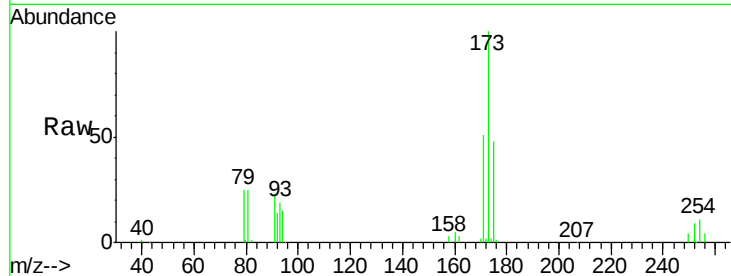
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	23.4	70.3
254	0.0	0.1	0.1

Manual Integrations
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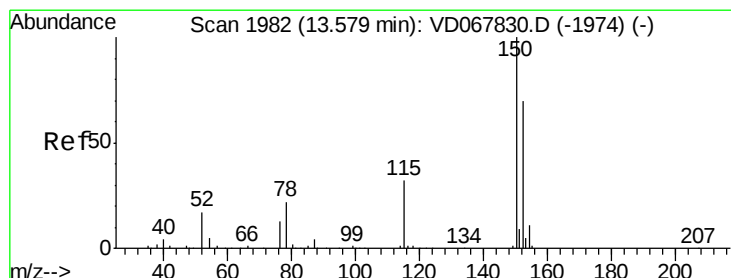
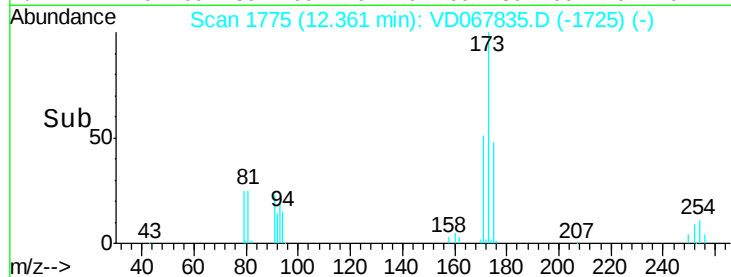
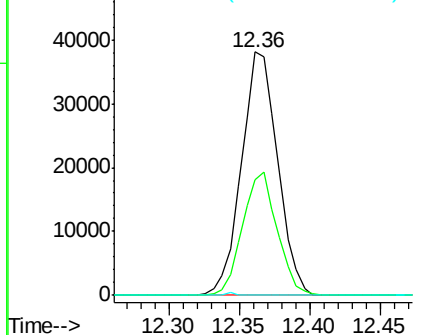


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

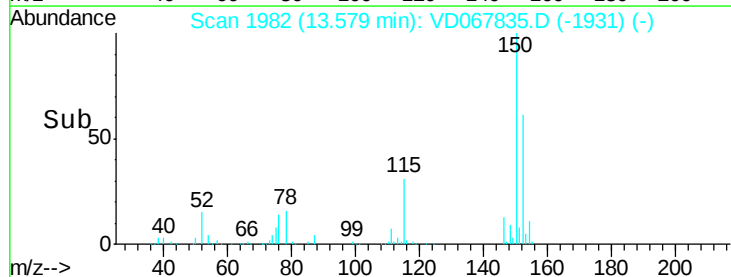
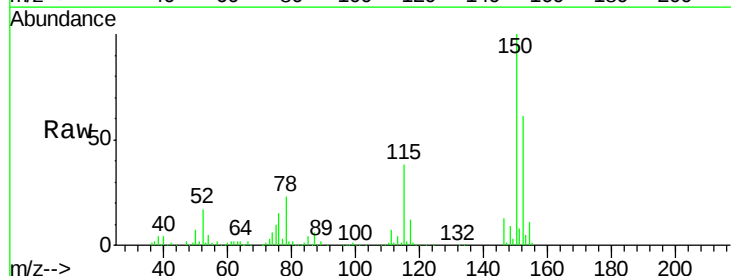
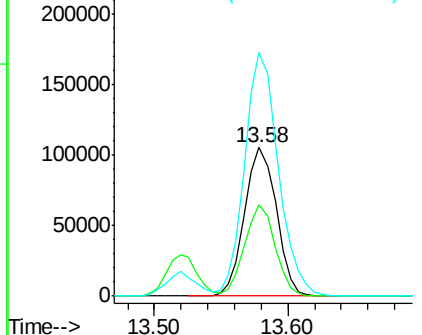
Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.7	29.1	87.4
150	173.2	0.0	339.0

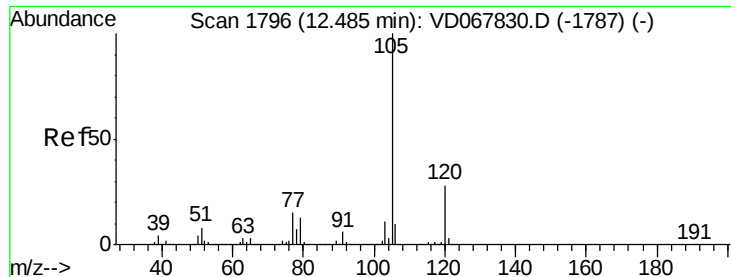
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 49.140 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 105 Resp: 587735

Ion Ratio Lower Upper

105 100

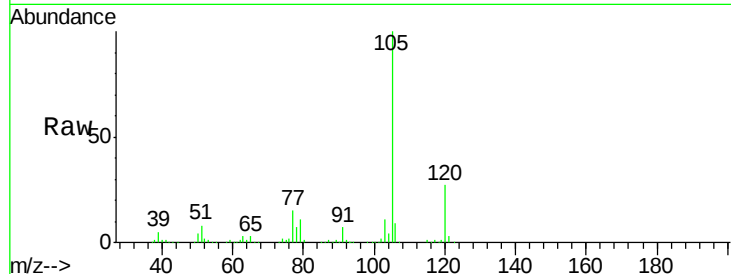
120 27.2 13.9 41.6

Manual Integrations

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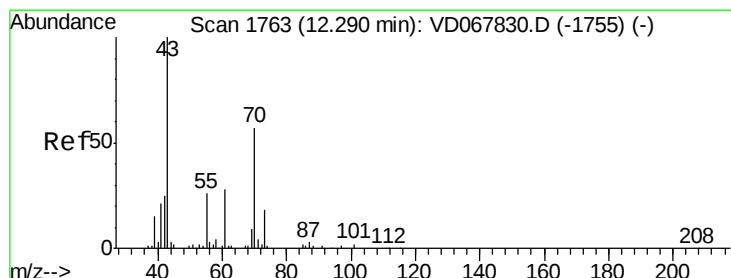
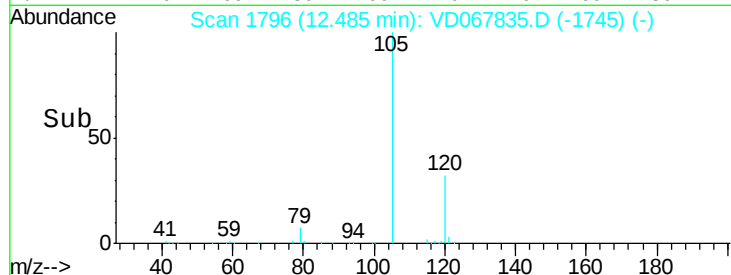
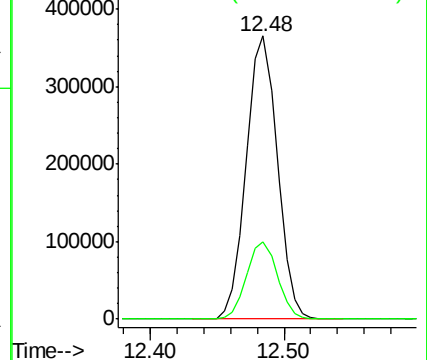
MMDadoda

12/3/2020 9:56:33 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 47.980 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion: 43 Resp: 70984

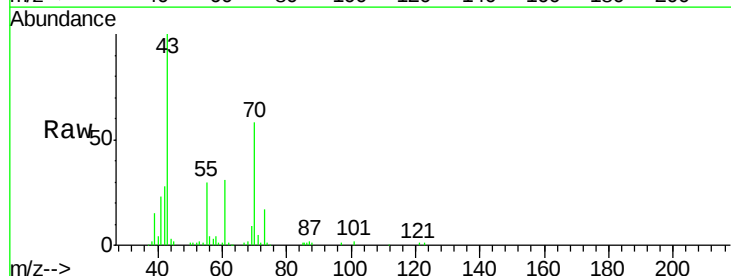
Ion Ratio Lower Upper

43 100

70 52.3 44.6 66.8

55 29.2 22.2 33.2

61 27.2 22.7 34.1

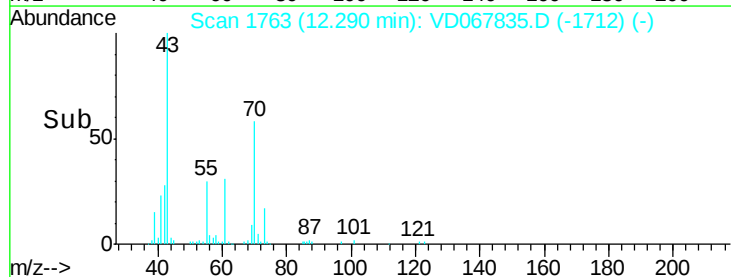
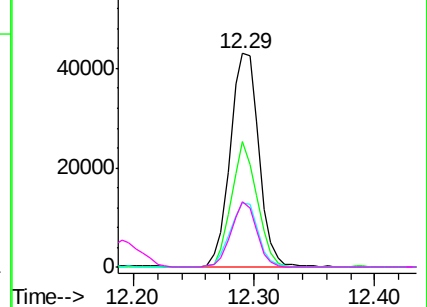


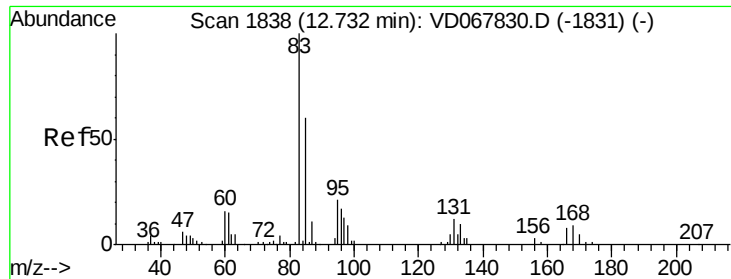
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 44.138 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

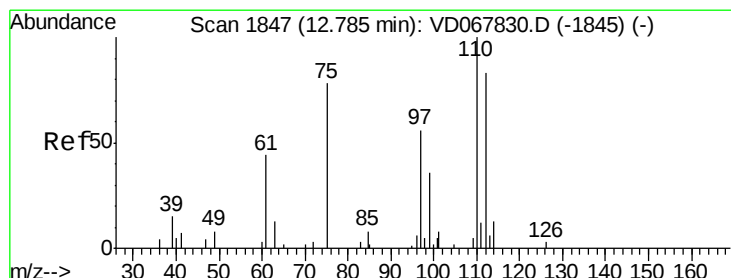
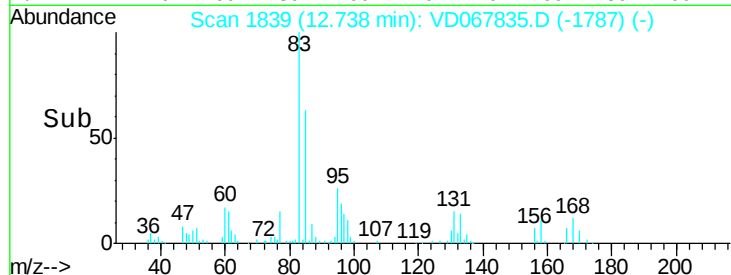
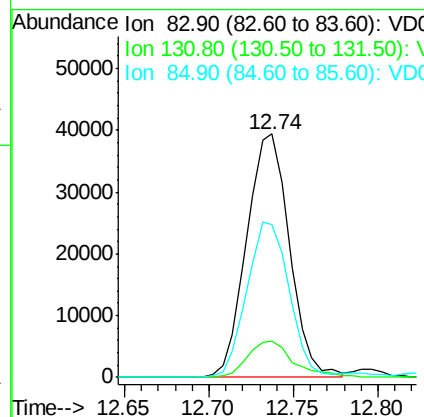
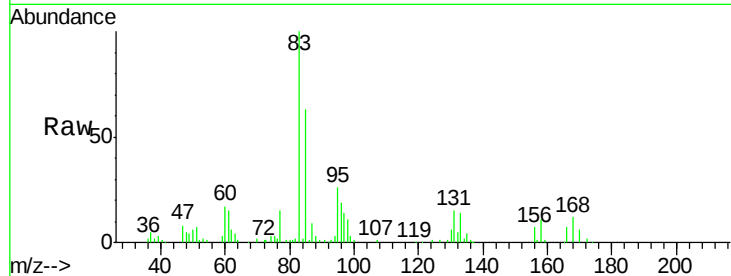
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	69698
Ion Ratio	Lower	Upper	
83	100		
131	15.9	8.0	24.0
85	62.8	31.7	95.1

Manual Integrations
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12/3/2020 9:56:33 AM



#76

1,2,3-Trichloropropane

Concen: 44.438 ug/l m

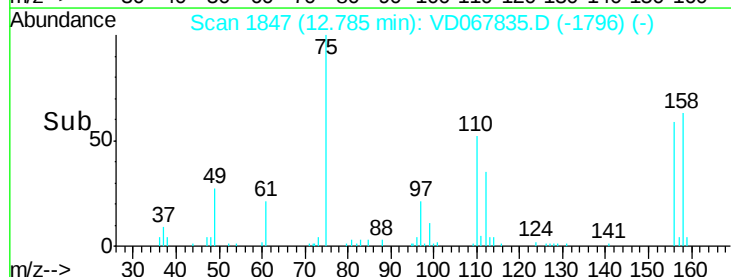
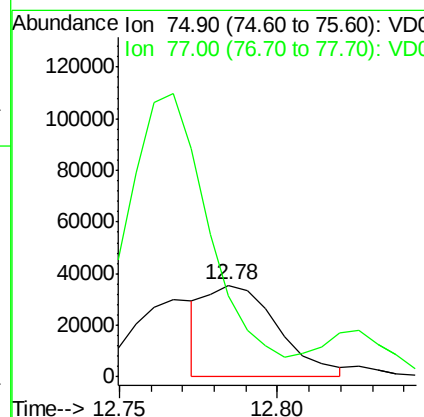
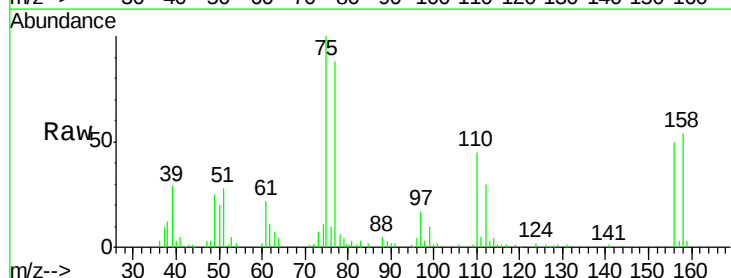
RT: 12.78 min Scan# 1847

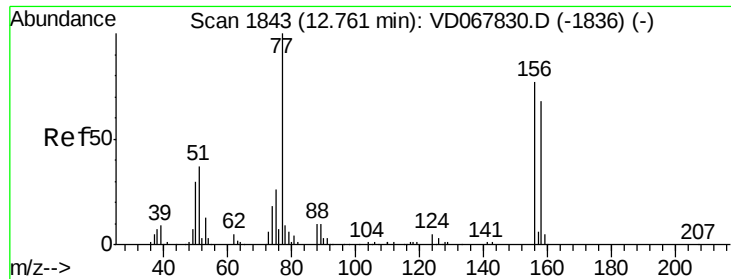
Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Tgt Ion:	75	Resp:	56283
Ion Ratio	Lower	Upper	
75	100		
77	362.7	175.9	527.7





#77

Bromobenzene

Concen: 46.691 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. -0.00 min

Lab File: VD067835.D

Acq: 02 Dec 2020 14:39

Instrument :

MSVOA_D

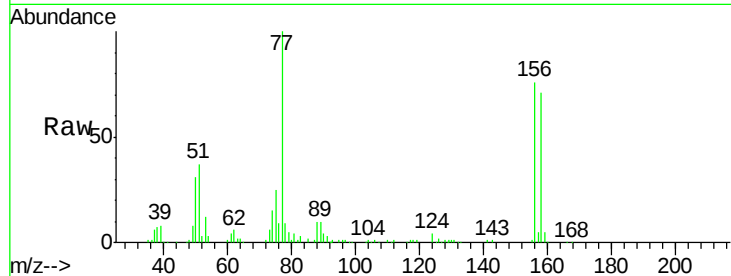
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	147.1	71.5	214.5
158	96.8	47.1	141.4

Manual Integrations
APPROVED

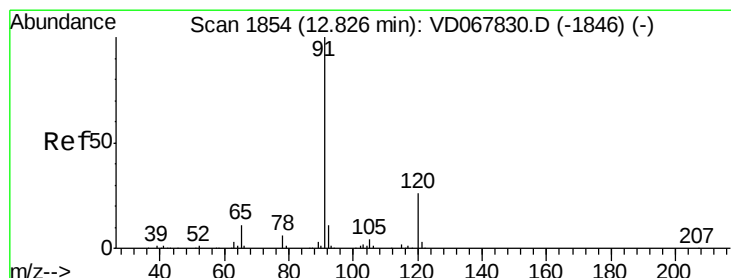
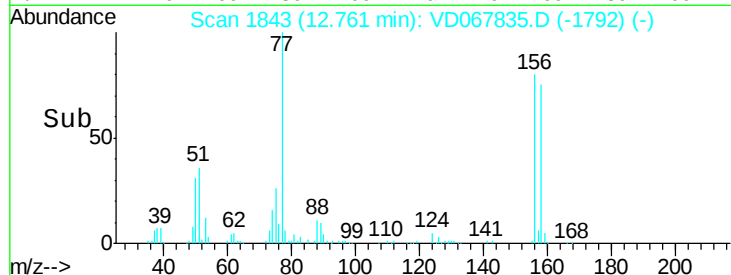
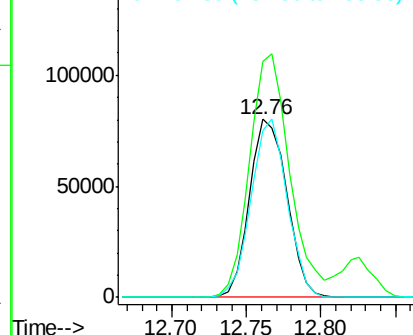
MMDadoda
12/3/2020 9:56:33 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 48.841 ug/l

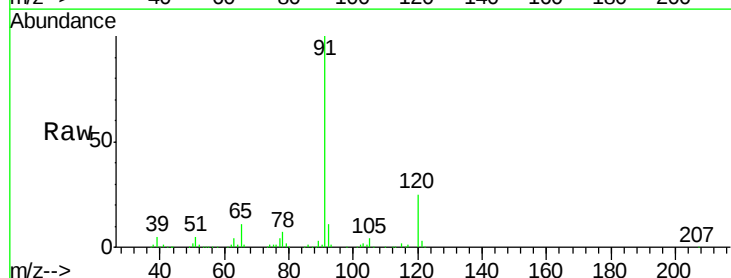
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067835.D

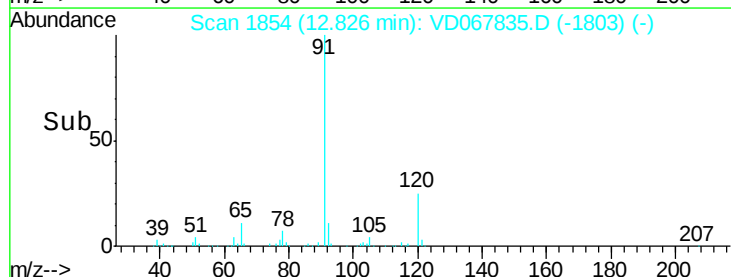
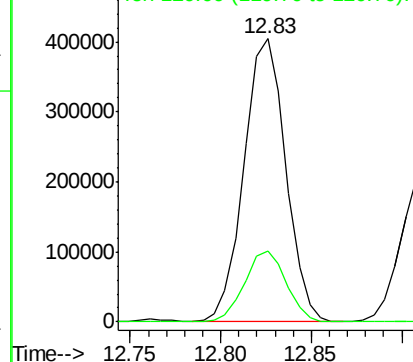
Acq: 02 Dec 2020 14:39

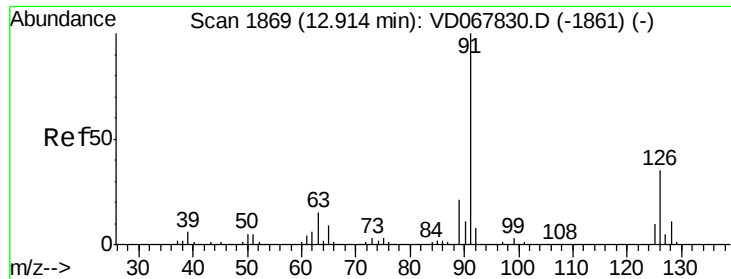
Tgt Ion	Ratio	Lower	Upper
91	100		
120	25.0	12.7	38.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





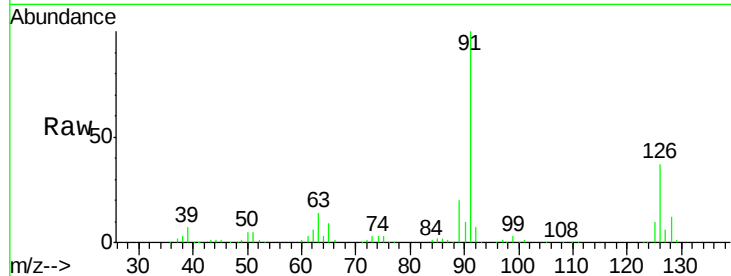
#79
2-Chlorotoluene
Concen: 47.392 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

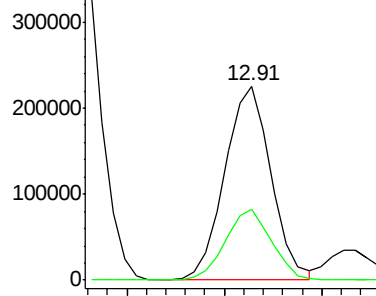
Tot Ion	Ratio	Lower	Upper
91	100		
126	36.3	17.9	53.7

Manual Integrations
APPROVED

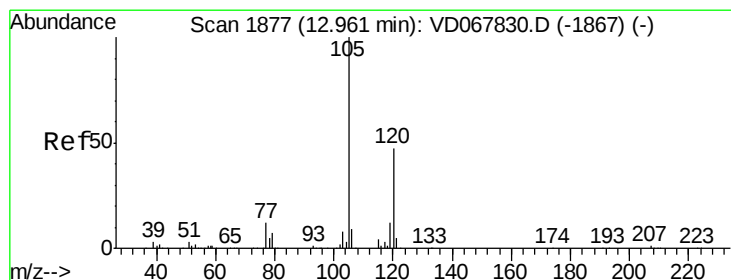
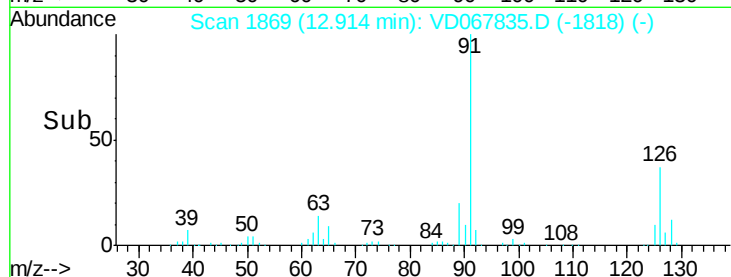
MMDadoda
12/3/2020 9:56:33 AM



Abundance Ion 91.00 (90.70 to 91.70): V

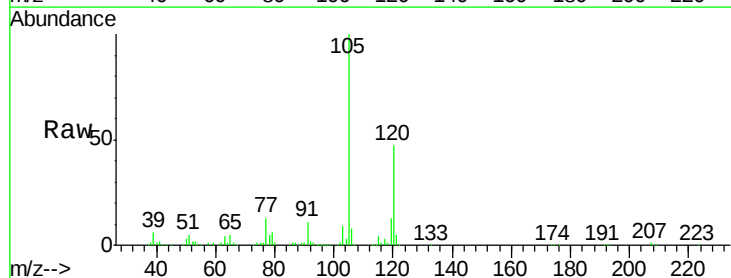


Time-->

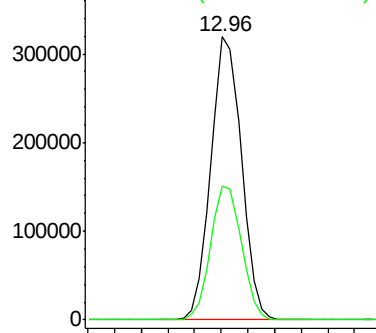


#80
1,3,5-Trimethylbenzene
Concen: 48.935 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

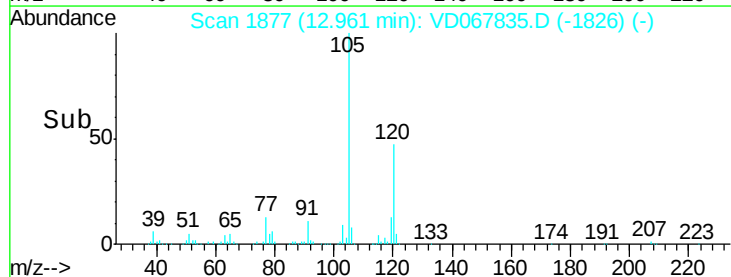
Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	24.3	72.9

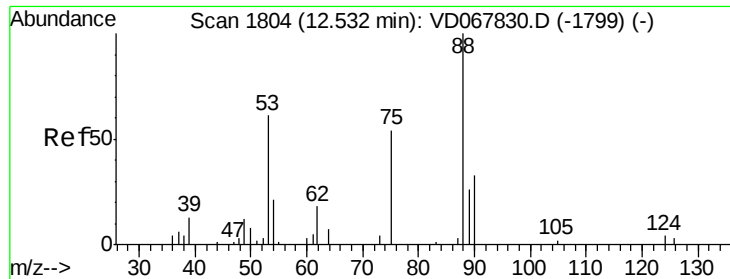


Abundance Ion 105.00 (104.70 to 105.70): V



Time-->





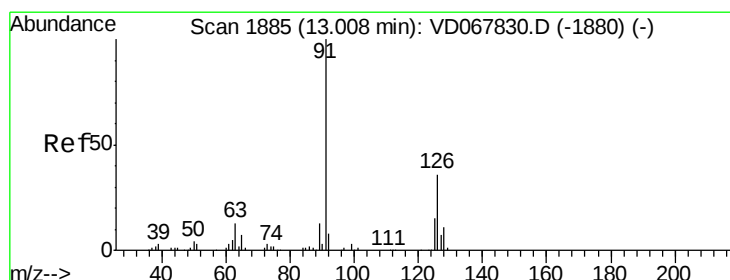
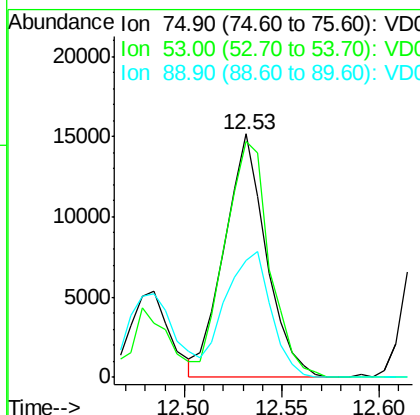
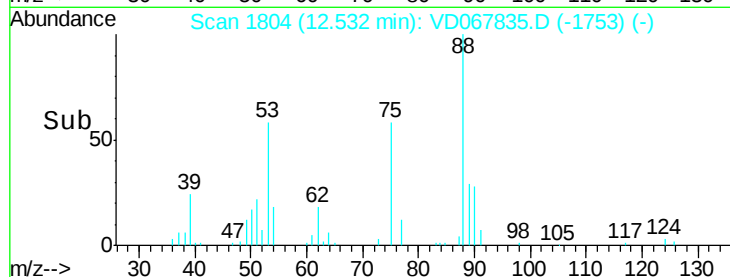
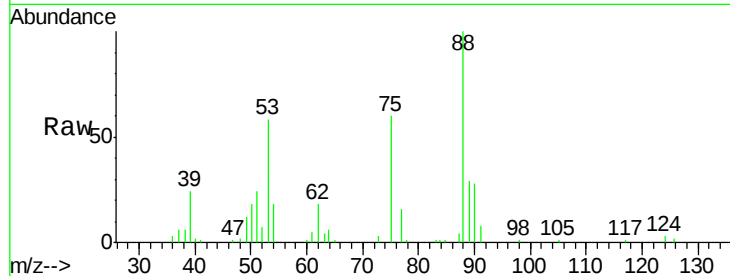
#81
trans-1,4-Dichloro-2-butene
Concen: 42.661 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	103.8	84.6	127.0
89	56.1	41.0	61.6

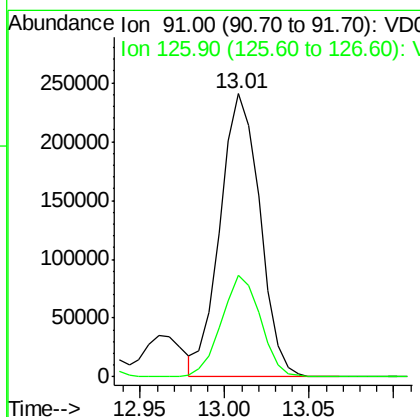
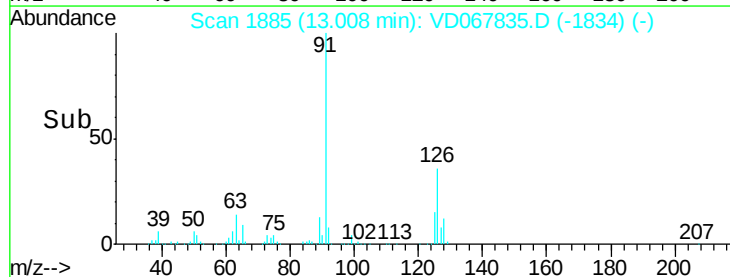
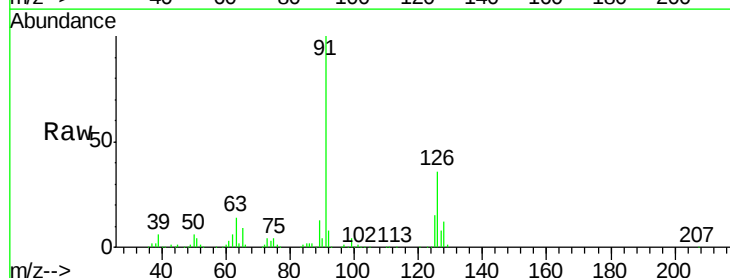
Manual Integrations
APPROVED

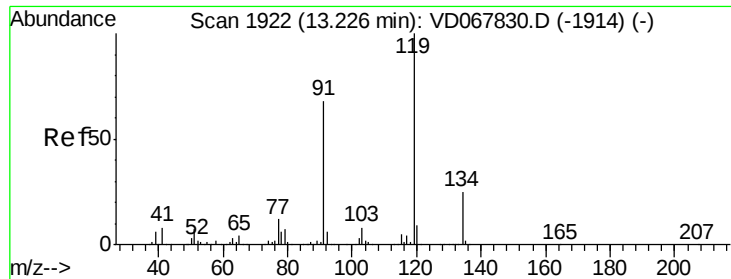
MMDadoda
12/3/2020 9:56:33 AM



#82
4-Chlorotoluene
Concen: 47.451 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	18.1	54.4





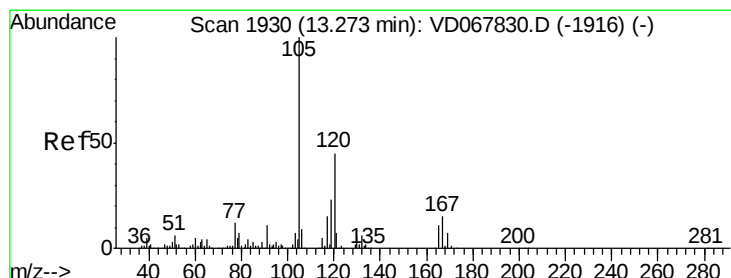
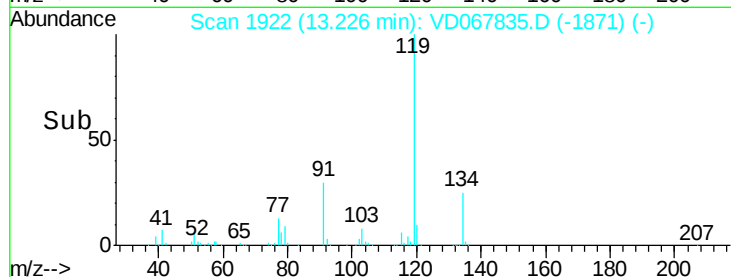
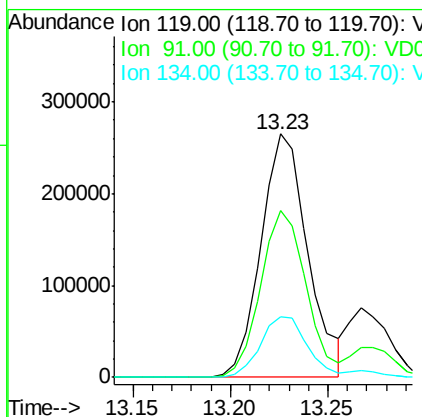
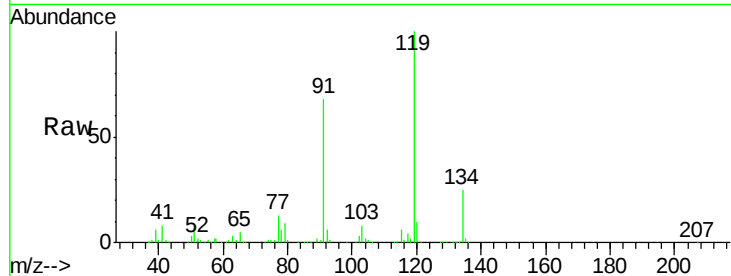
#83
tert-Butylbenzene
Concen: 50.220 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	66.2	33.1	99.3
134	26.6	13.6	40.8

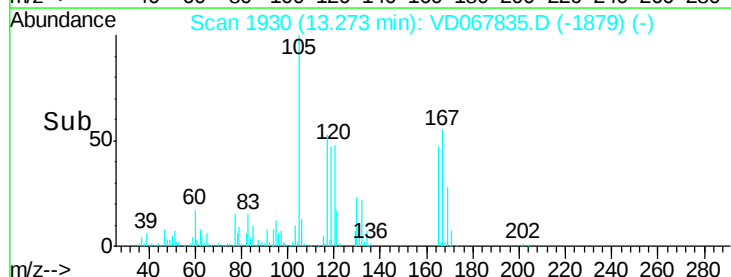
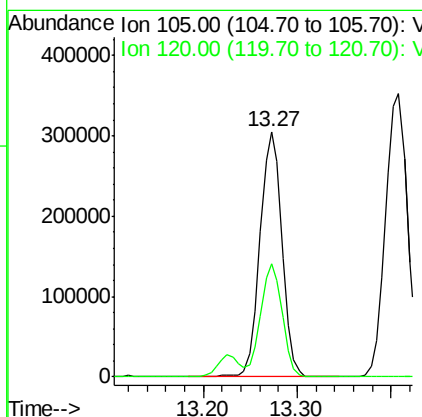
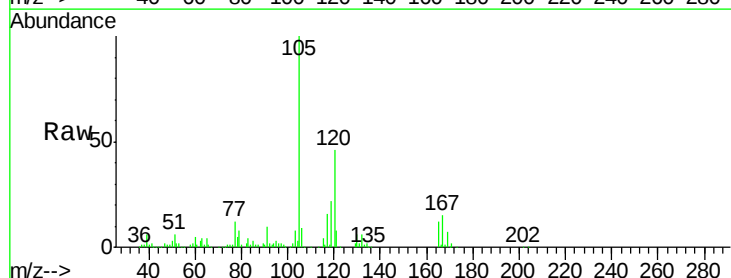
Manual Integrations
APPROVED

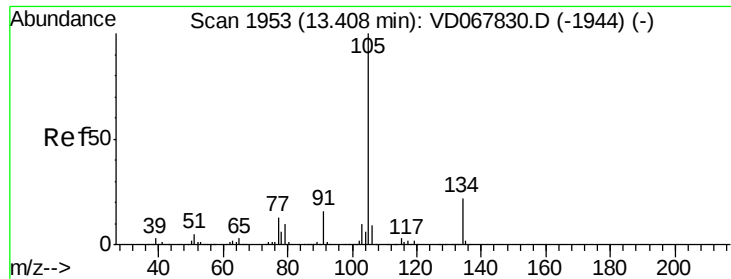
MMDadoda
12/3/2020 9:56:33 AM



#84
1,2,4-Trimethylbenzene
Concen: 47.894 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.1	66.5





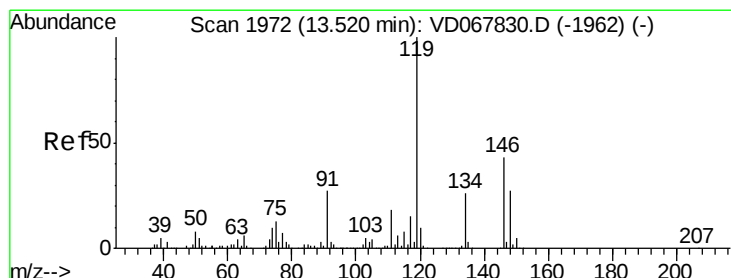
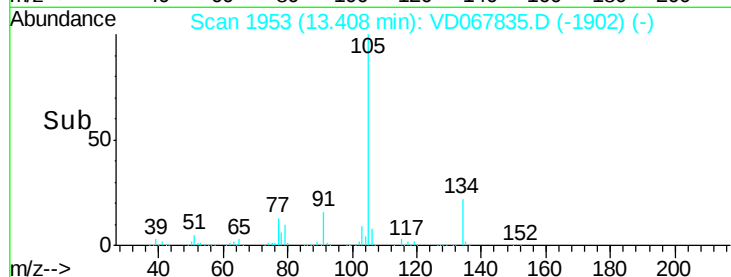
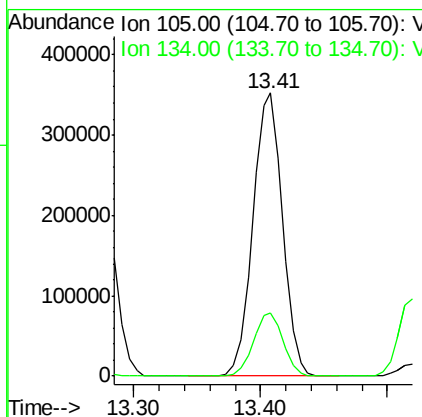
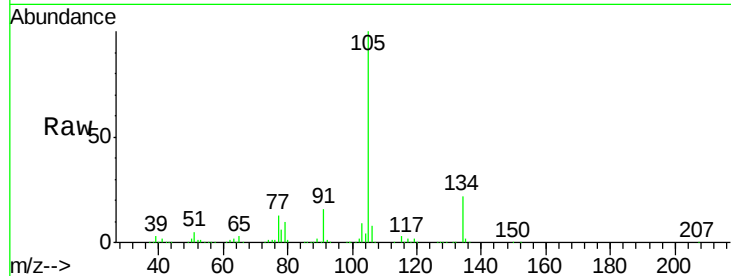
#85
 sec-Butylbenzene
 Concen: 48.576 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	22.5	10.9	32.9

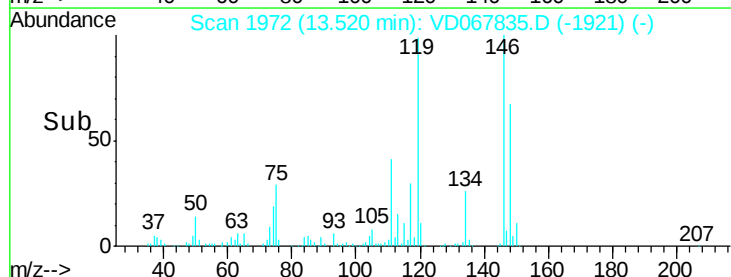
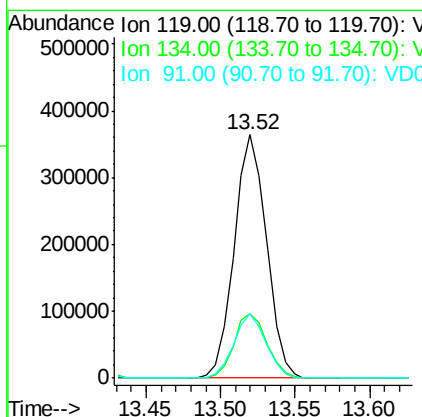
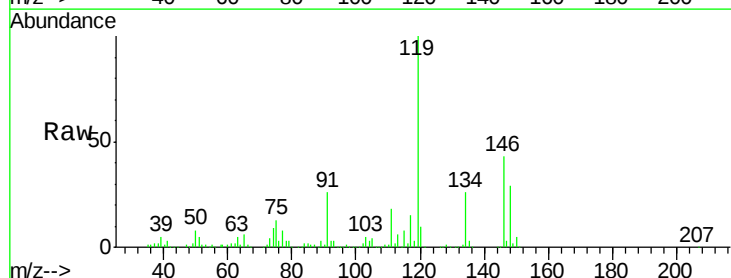
Manual Integrations
 APPROVED

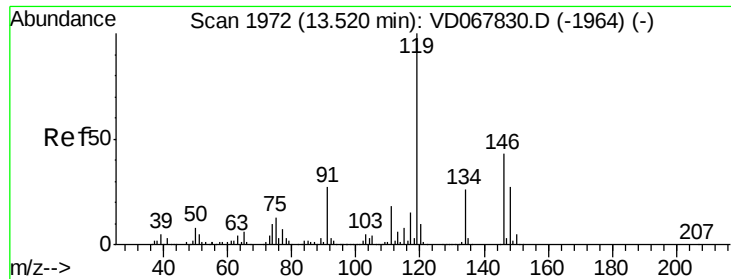
MMDadoda
 12/3/2020 9:56:33 AM



#86
 p-Isopropyltoluene
 Concen: 47.552 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.1	39.3
91	25.9	12.8	38.3





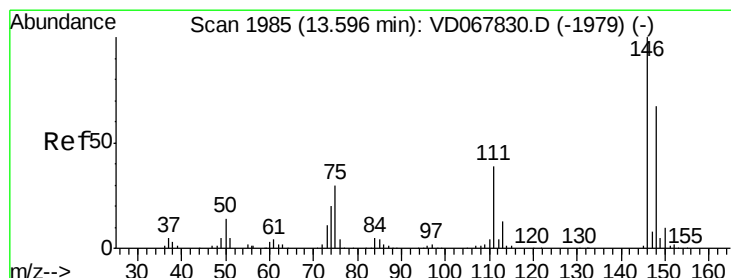
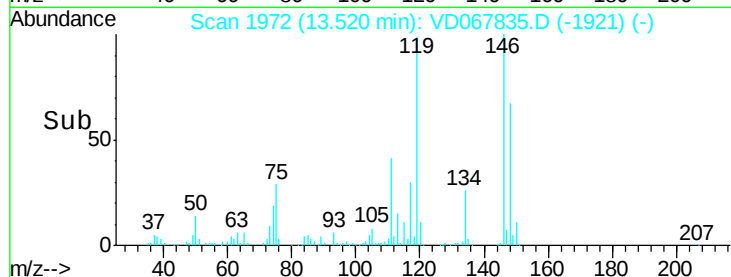
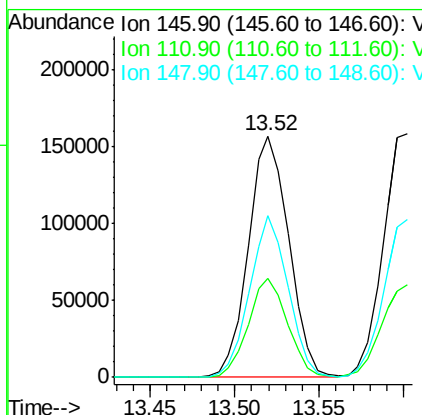
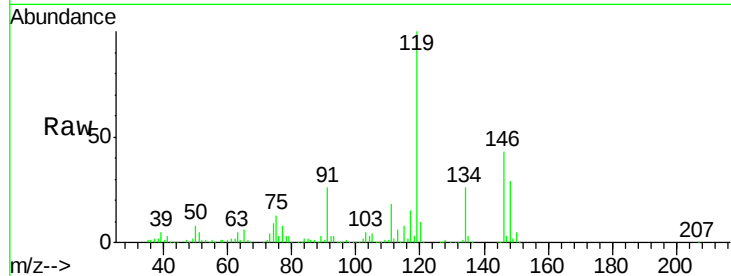
#87
 1,3-Dichlorobenzene
 Concen: 45.589 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.8	62.2
148	63.8	32.9	98.6

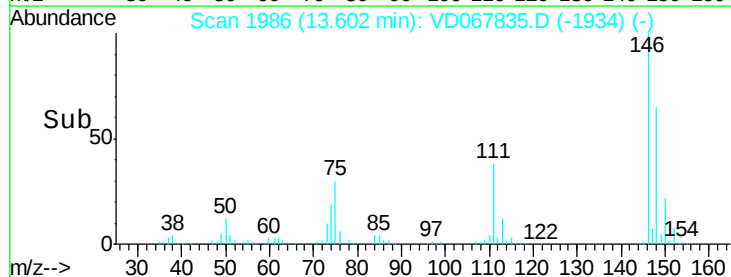
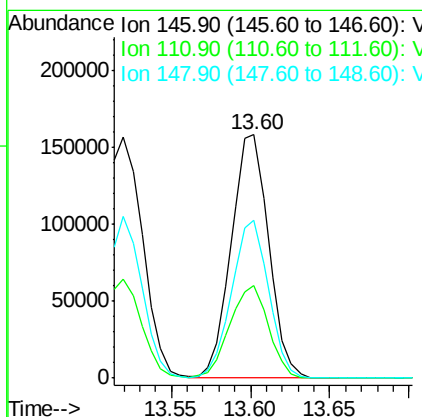
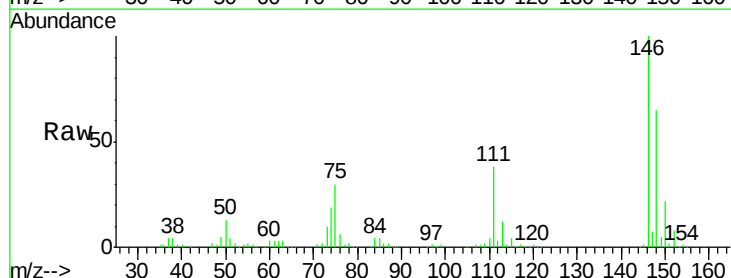
Manual Integrations
 APPROVED

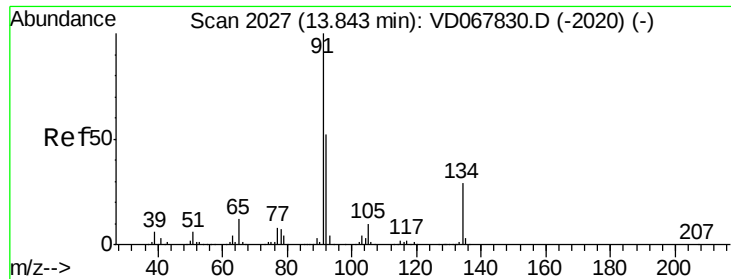
MMDadoda
 12/3/2020 9:56:33 AM



#88
 1,4-Dichlorobenzene
 Concen: 45.176 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.9	59.6
148	64.2	32.4	97.2





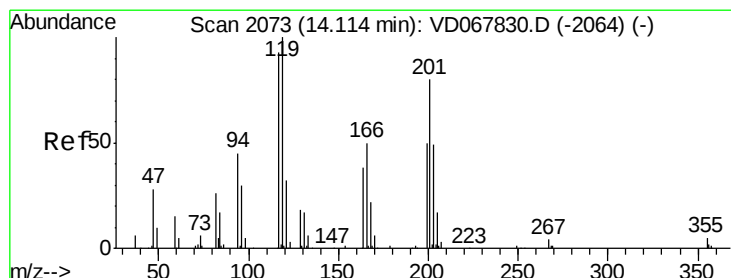
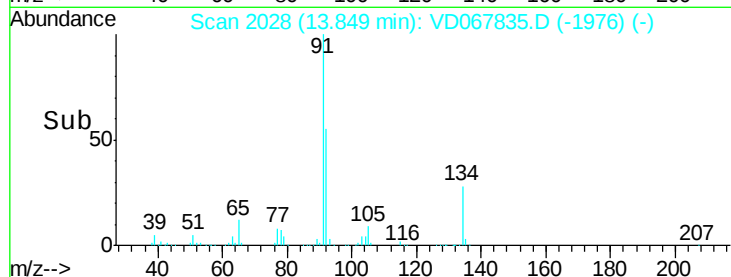
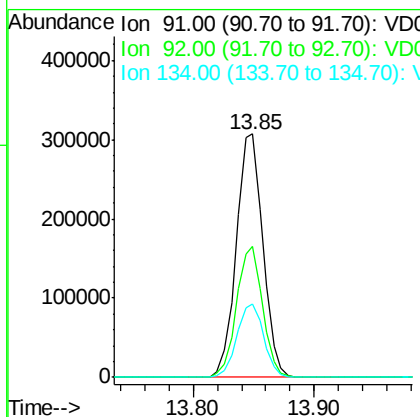
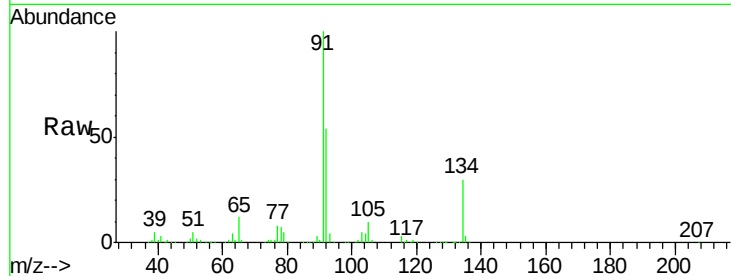
#89
n-Butylbenzene
Concen: 49.219 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.7	26.3	78.8
134	30.5	14.8	44.3

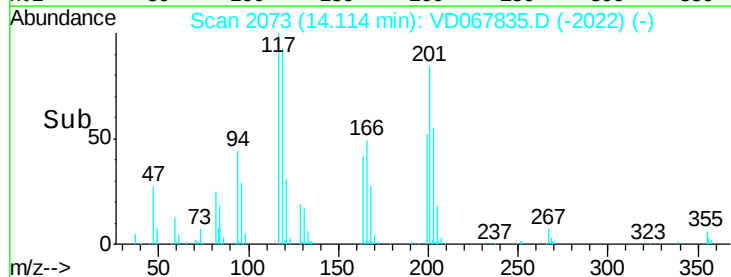
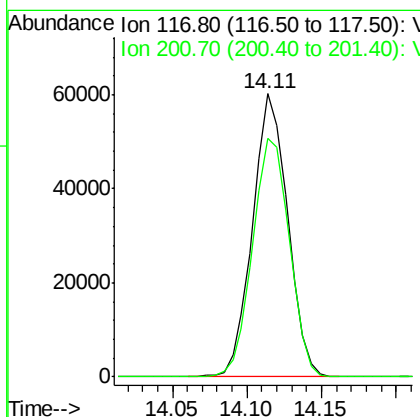
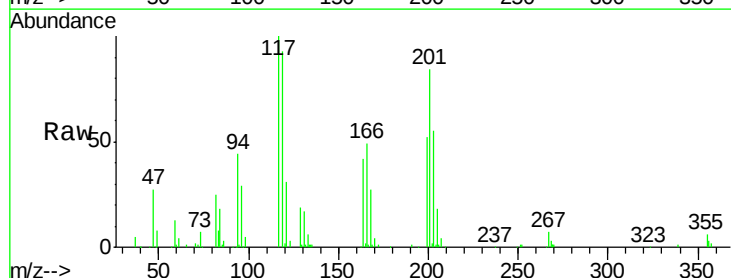
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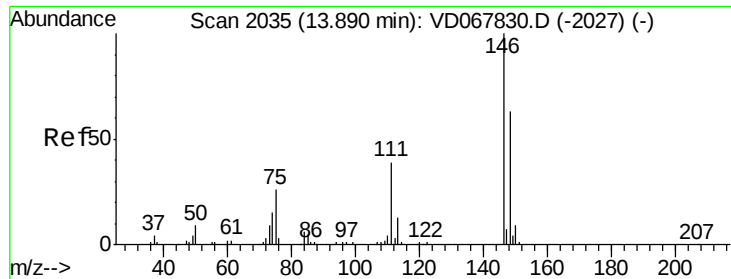
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12/3/2020 9:56:33 AM



#90
Hexachloroethane
Concen: 46.002 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	88.4	43.9	131.6





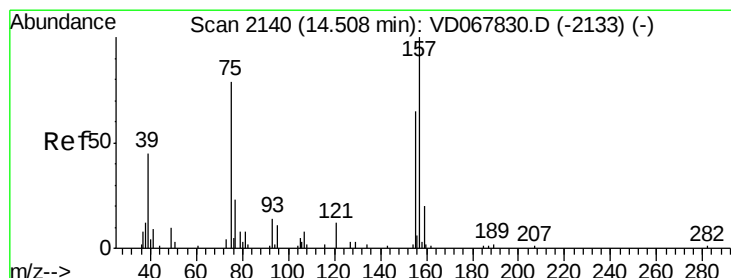
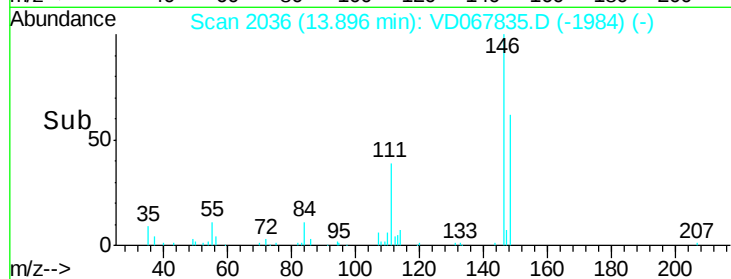
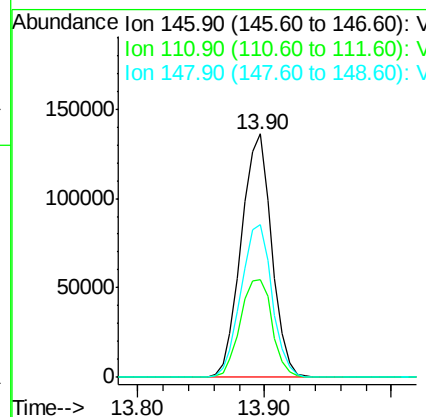
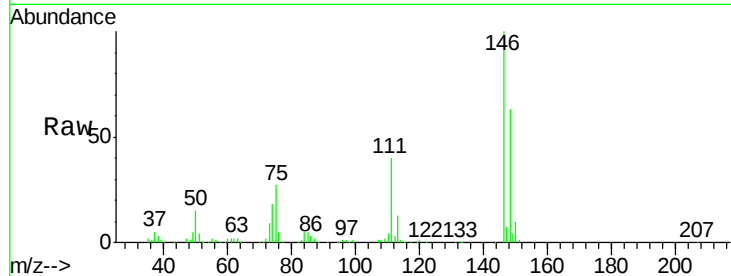
#91
 1,2-Dichlorobenzene
 Concen: 45.382 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.01 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	225761		
111	41.9		20.4	61.2
148	64.5		32.1	96.3

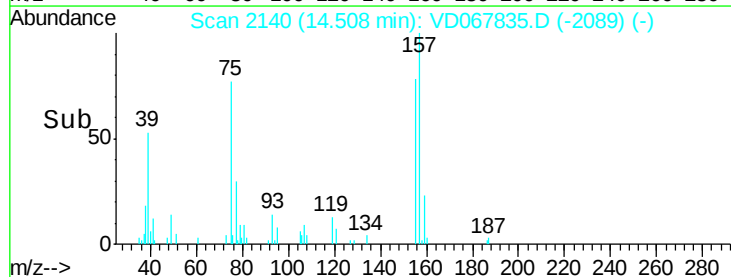
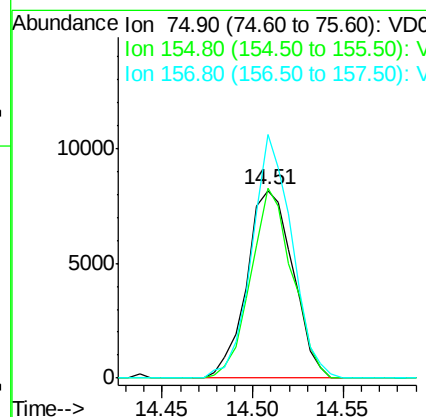
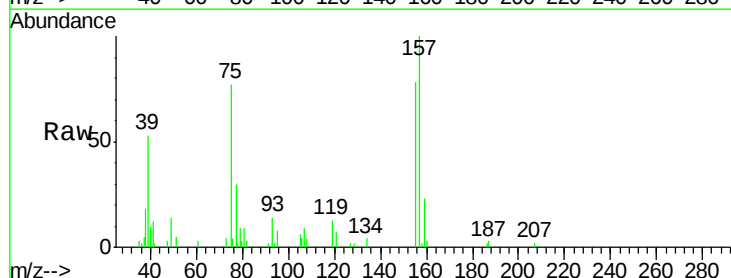
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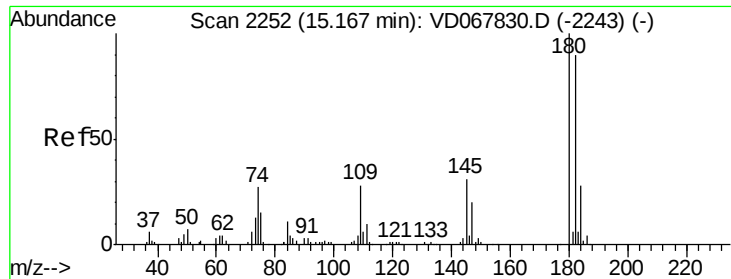
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.972 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	14491		
155	91.2		44.1	132.4
157	112.2		62.4	187.2





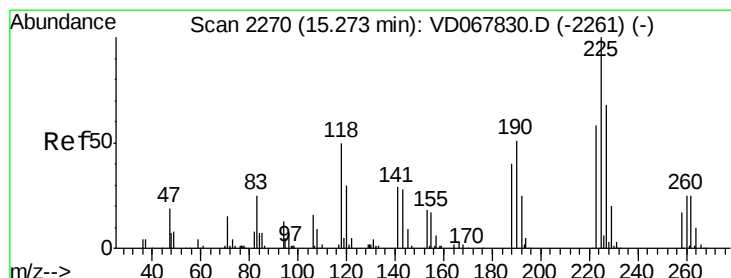
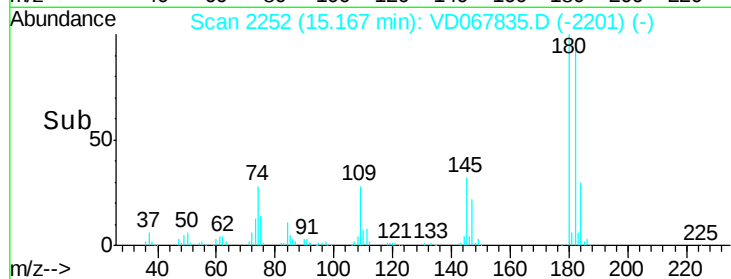
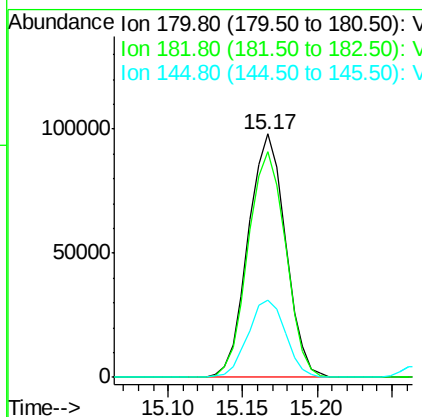
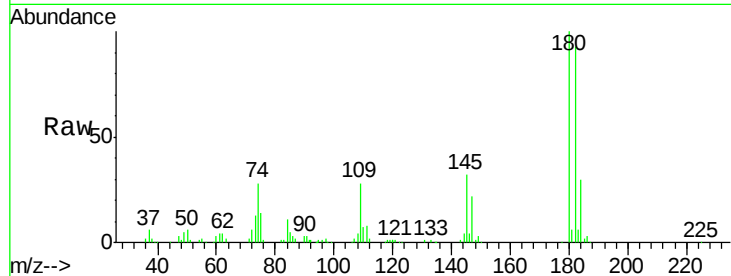
#93
 1,2,4-Trichlorobenzene
 Concen: 48.755 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	169656		
182	93.4	47.5	142.6	
145	31.9	16.4	49.4	

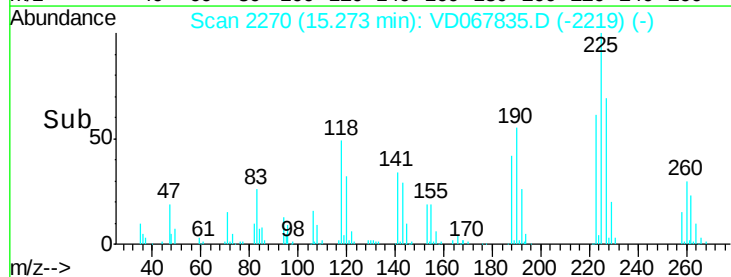
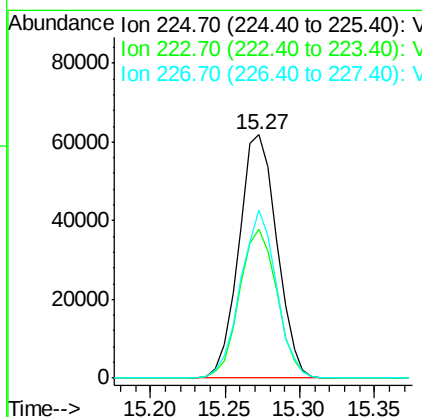
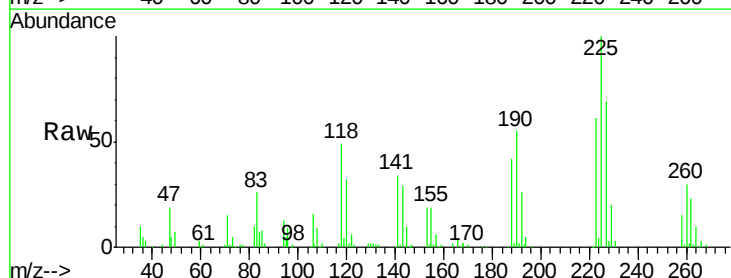
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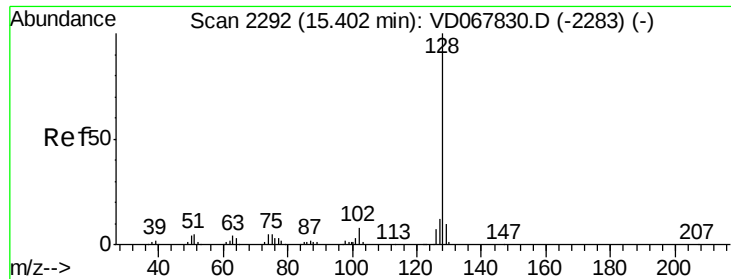
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#94
 Hexachlorobutadiene
 Concen: 47.976 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067835.D
 Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	108937		
223	60.9	31.1	93.3	
227	65.1	33.1	99.3	





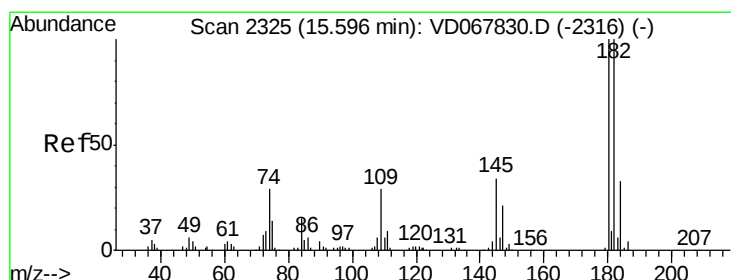
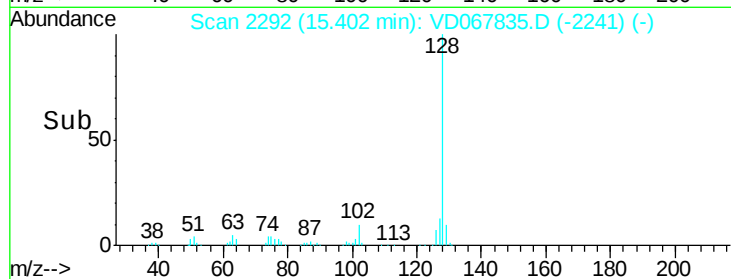
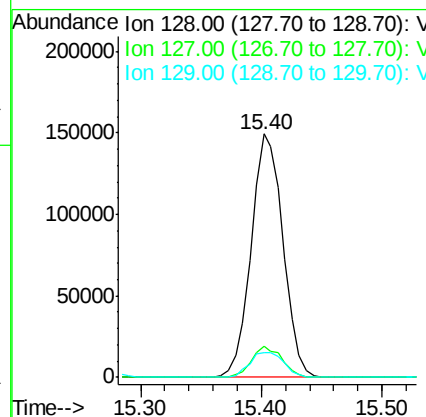
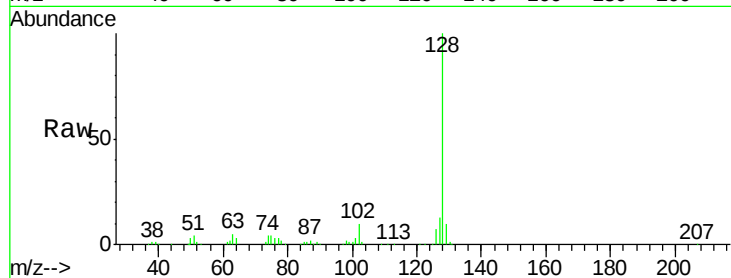
#95
Naphthalene
Concen: 48.507 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.00 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	274665		
127	12.5		10.6	15.8
129	11.1		9.0	13.6

Manual Integrations
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12/3/2020 9:56:33 AM



#96
1,2,3-Trichlorobenzene
Concen: 47.228 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.01 min
Lab File: VD067835.D
Acq: 02 Dec 2020 14:39

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	141925		
182	94.3		47.3	142.0
145	34.4		16.8	50.4

