

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100220\
 Data File : VD067049.D
 Acq On : 02 Oct 2020 21:27
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:34:31 PM

Quant Time: Oct 03 05:38:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	460870	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	748498	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	686722	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334059	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	236929	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	
35) Dibromofluoromethane	7.91	113	258965	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
50) Toluene-d8	10.34	98	934454	52.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.66%	
62) 4-Bromofluorobenzene	12.63	95	325042	53.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	185402	49.968	ug/l	95
3) Chloromethane	2.20	50	173046	47.148	ug/l	91
4) Vinyl Chloride	2.35	62	166690	45.294	ug/l	99
5) Bromomethane	2.77	94	124933	52.919	ug/l	99
6) Chloroethane	2.92	64	102580	45.770	ug/l	98
7) Trichlorofluoromethane	3.27	101	375808	45.962	ug/l	98
8) Diethyl Ether	3.71	74	111552	55.017	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	216758	46.902	ug/l	99
10) Methyl Iodide	4.30	142	202747	45.150	ug/l	100
11) Tert butyl alcohol	5.23	59	68753	267.718	ug/l	100
12) 1,1-Dichloroethene	4.07	96	210425	48.435	ug/l	98
13) Acrolein	3.92	56	59118	198.890	ug/l	100
14) Allyl chloride	4.71	41	288470	51.112	ug/l	98
15) Acrylonitrile	5.42	53	202475	271.326	ug/l	98
16) Acetone	4.16	43	168750	249.030	ug/l	97
17) Carbon Disulfide	4.40	76	652655	48.950	ug/l	98
18) Methyl Acetate	4.72	43	96083	56.416	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	443065	55.865	ug/l	98
20) Methylene Chloride	4.97	84	266151	56.259	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	255508	51.678	ug/l	97
22) Diisopropyl ether	6.36	45	559049	54.257	ug/l	99
23) Vinyl Acetate	6.30	43	1626067	278.496	ug/l	98
24) 1,1-Dichloroethane	6.27	63	408378	51.356	ug/l	98
25) 2-Butanone	7.21	43	260059	270.692	ug/l	100
26) 2,2-Dichloropropane	7.21	77	334261	49.083	ug/l	97
27) cis-1,2-Dichloroethene	7.21	96	275581	52.189	ug/l	99
28) Bromochloromethane	7.54	49	156376	50.922	ug/l	99
29) Tetrahydrofuran	7.57	42	156029	282.453	ug/l	98
30) Chloroform	7.71	83	443440	51.407	ug/l	97
31) Cyclohexane	7.98	56	300340	45.052	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	393407	49.211	ug/l	96
36) 1,1-Dichloropropene	8.11	75	326999	46.869	ug/l	99
37) Ethyl Acetate	7.29	43	123425	51.066	ug/l	99
38) Carbon Tetrachloride	8.10	117	353551	46.835	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	355126	48.145	ug/l	96
40) Benzene	8.35	78	961720	49.628	ug/l	98
41) Methacrylonitrile	7.52	41	61938	47.435	ug/l #	100
42) 1,2-Dichloroethane	8.42	62	270986	50.044	ug/l	98
43) Isopropyl Acetate	8.45	43	231816	52.063	ug/l	100
44) Trichloroethene	9.11	130	279767	48.347	ug/l	100
45) 1,2-Dichloropropane	9.38	63	230793	50.688	ug/l	97
46) Dibromomethane	9.47	93	136625	52.207	ug/l	100
47) Bromodichloromethane	9.66	83	347234	51.044	ug/l	96
48) Methyl methacrylate	9.46	41	111248	48.769	ug/l #	80
49) 1,4-Dioxane	9.46	88	29325	1073.674	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	597353	269.343	ug/l	100
52) Toluene	10.40	92	632259	50.649	ug/l	100
53) t-1,3-Dichloropropene	10.62	75	309978	50.985	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	372594	50.187	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	183010	50.300	ug/l	96
56) Ethyl methacrylate	10.66	69	210424	56.018	ug/l	97
57) 1,3-Dichloropropane	10.94	76	309065	52.384	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	560756	268.208	ug/l	100
59) 2-Hexanone	10.98	43	406568	274.659	ug/l	97
60) Dibromochloromethane	11.14	129	245029	50.528	ug/l	95
61) 1,2-Dibromoethane	11.24	107	181084	51.805	ug/l	99
64) Tetrachloroethene	10.87	164	239715	48.015	ug/l	95
65) Chlorobenzene	11.67	112	682642	49.981	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	261417	50.318	ug/l	99
67) Ethyl Benzene	11.74	91	1190306	50.864	ug/l	100
68) m/p-Xylenes	11.85	106	913991	100.219	ug/l	99
69) o-Xylene	12.18	106	418399	51.302	ug/l	96
70) Styrene	12.20	104	728705	52.034	ug/l	99
71) Bromoform	12.36	173	138946	51.522	ug/l #	100
73) Isopropylbenzene	12.48	105	1132505	49.927	ug/l	100
74) N-amyl acetate	12.29	43	211270	51.812	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	188186	49.240	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	125168m	43.017	ug/l	
77) Bromobenzene	12.76	156	279751	51.076	ug/l	97
78) n-propylbenzene	12.82	91	1325255	49.436	ug/l	99
79) 2-Chlorotoluene	12.91	91	758582	49.458	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	965904	50.401	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	58171	49.842	ug/l	96
82) 4-Chlorotoluene	13.01	91	792783	48.582	ug/l	99
83) tert-Butylbenzene	13.23	119	801103	49.640	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	973350	50.893	ug/l	98
85) sec-Butylbenzene	13.40	105	1113925	49.013	ug/l	100
86) p-Isopropyltoluene	13.52	119	1029416	48.856	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	522725	48.997	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	508800	47.697	ug/l	99
89) n-Butylbenzene	13.85	91	919136	47.731	ug/l	100
90) Hexachloroethane	14.11	117	174593	47.305	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	462849	49.677	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	30211	49.039	ug/l	95

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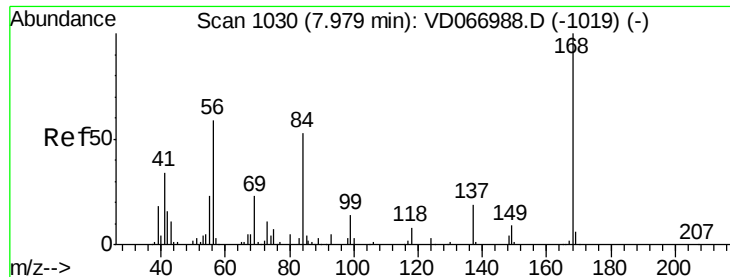
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	312653	51.878	ug/l	97
94) Hexachlorobutadiene	15.27	225	176490	47.685	ug/l	98
95) Naphthalene	15.41	128	552793	54.992	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	271297	51.857	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 460870

Ion Ratio Lower Upper

168 100

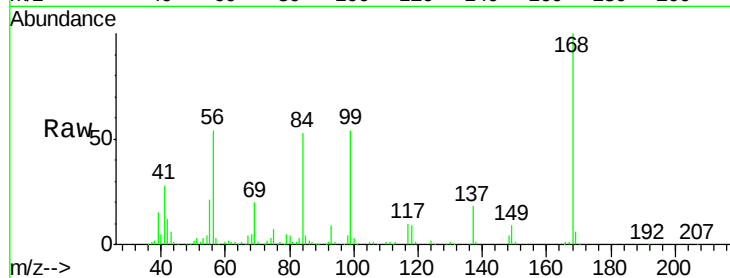
99 53.1 44.1 66.1

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

250000

200000

150000

100000

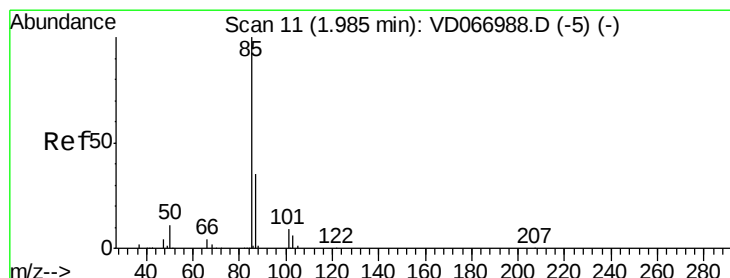
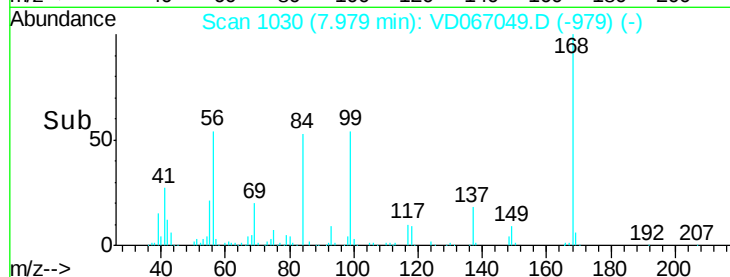
50000

0

7.90

8.00

Time-->



#2

Dichlorodifluoromethane

Concen: 49.968 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067049.D

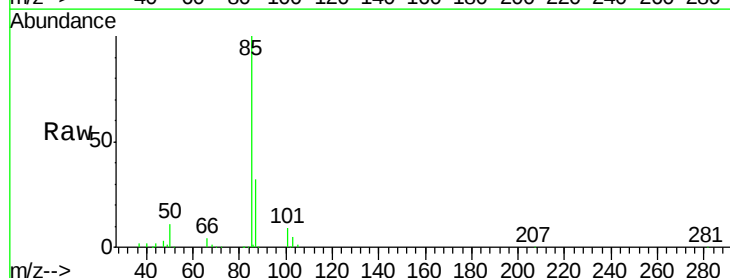
Acq: 02 Oct 2020 21:27

Tgt Ion: 85 Resp: 185402

Ion Ratio Lower Upper

85 100

87 31.8 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

100000

50000

0

1.90

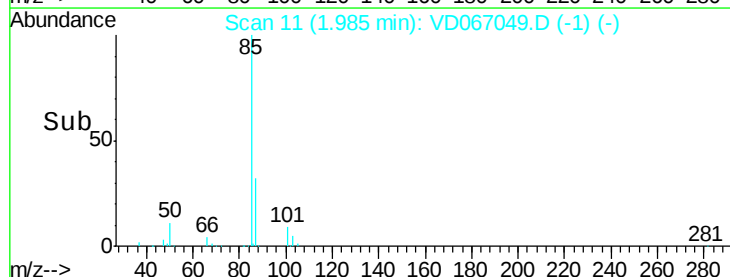
1.95

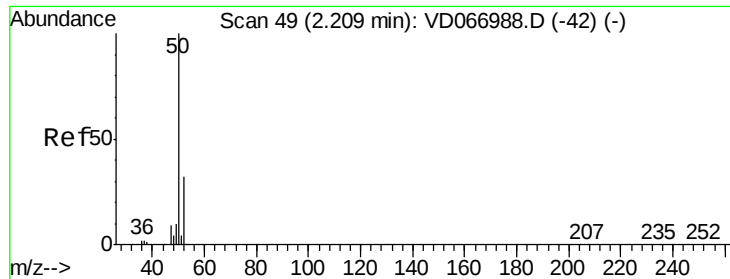
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 47.148 ug/l

RT: 2.20 min Scan# 48

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 173046

Ion Ratio Lower Upper

50 100

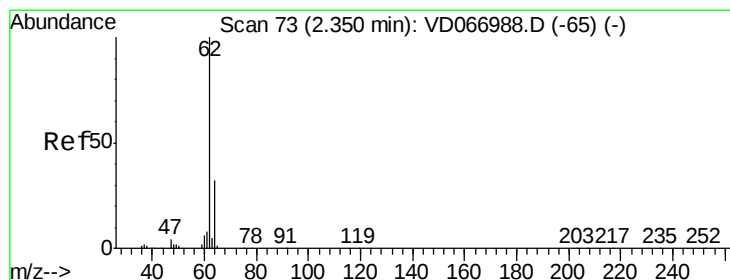
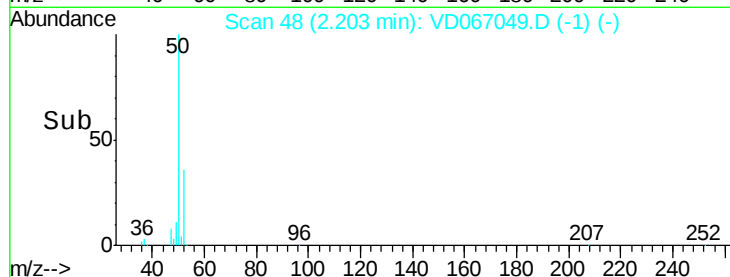
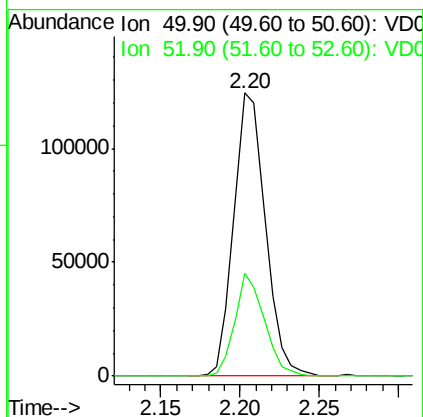
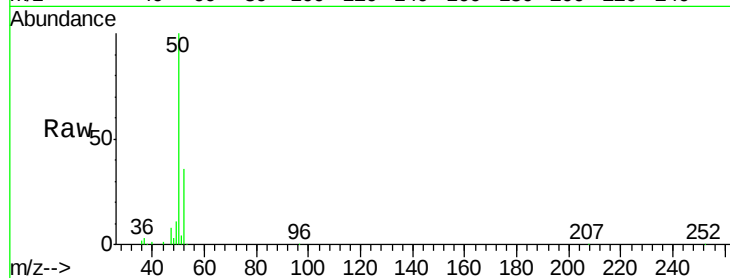
52 36.4 25.3 37.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 45.294 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067049.D

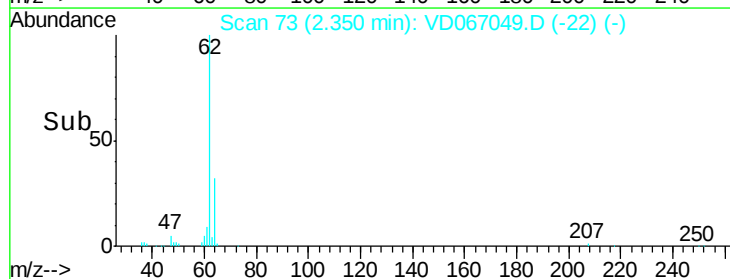
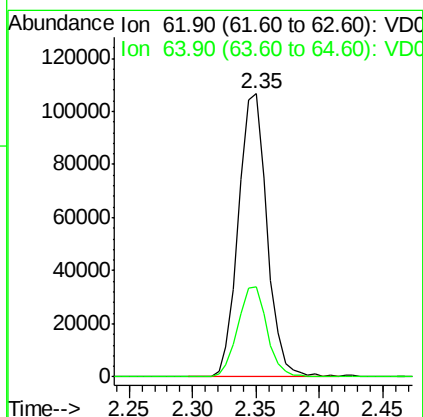
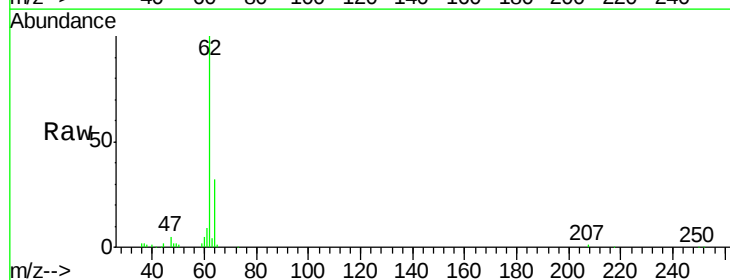
Acq: 02 Oct 2020 21:27

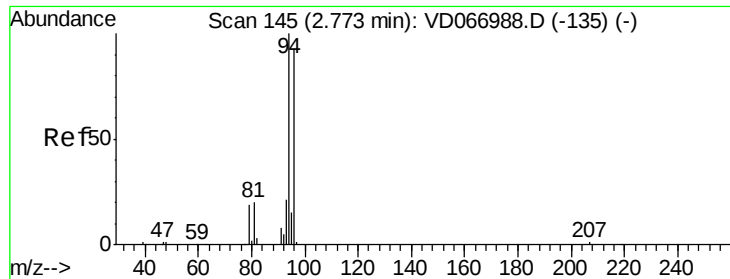
Tgt Ion: 62 Resp: 166690

Ion Ratio Lower Upper

62 100

64 32.0 25.8 38.8





#5

Bromomethane

Concen: 52.919 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

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VSTDCCC050EC

Tot Ion: 94 Resp: 124933

Ion Ratio Lower Upper

94 100

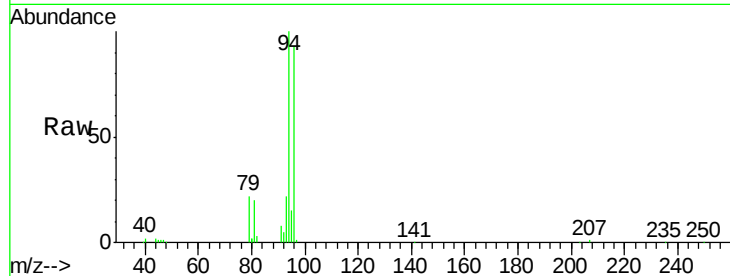
96 92.6 74.6 112.0

Manual Integrations

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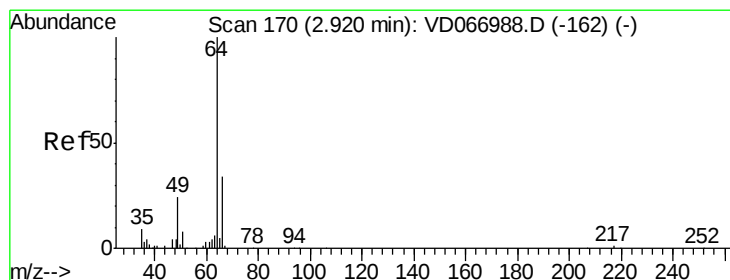
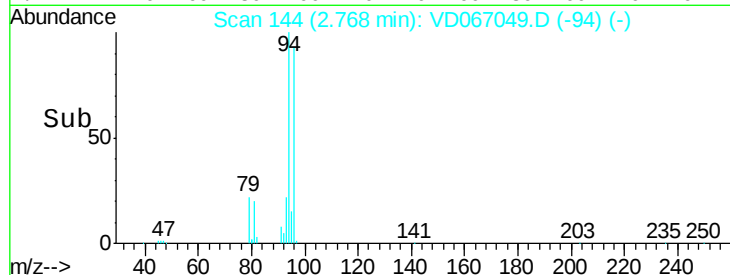
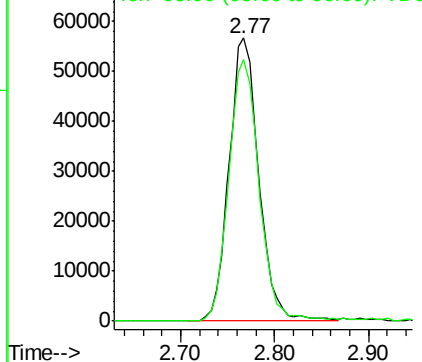
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.770 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067049.D

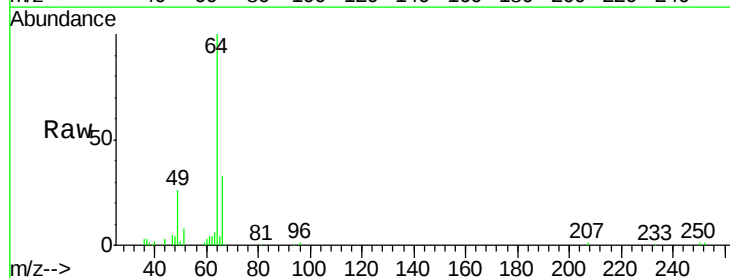
Acq: 02 Oct 2020 21:27

Tgt Ion: 64 Resp: 102580

Ion Ratio Lower Upper

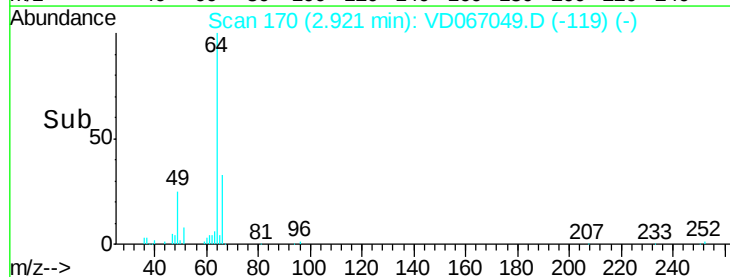
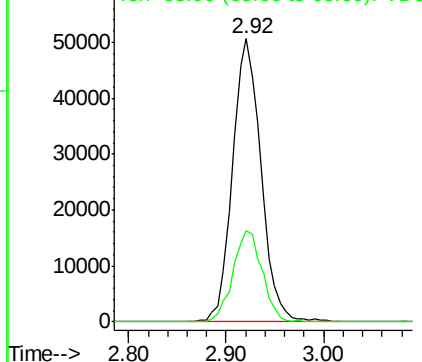
64 100

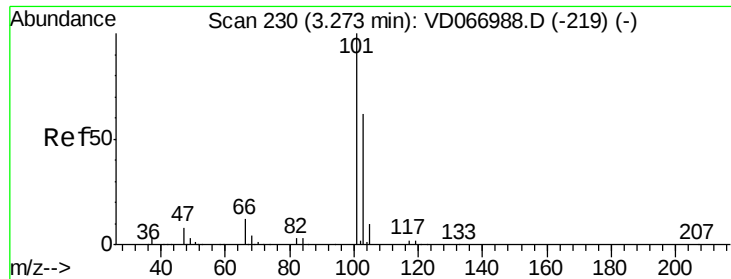
66 32.5 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

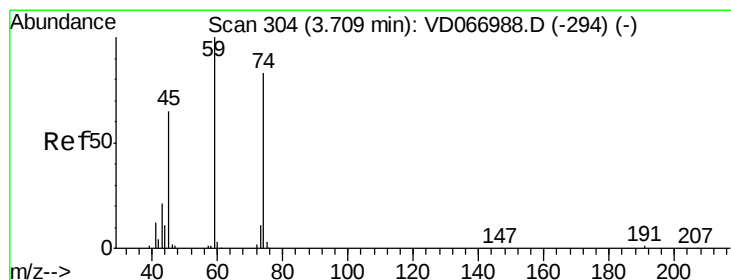
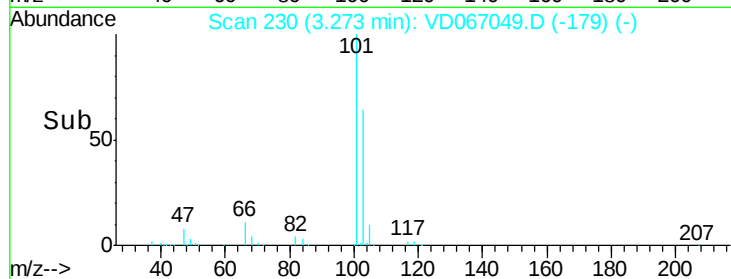
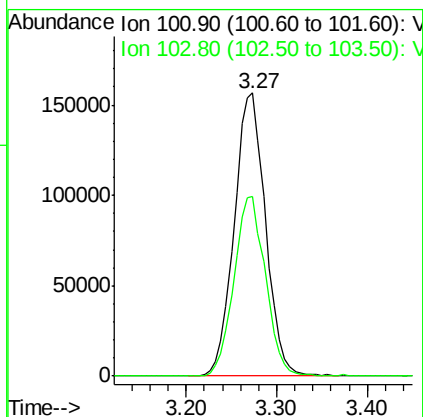
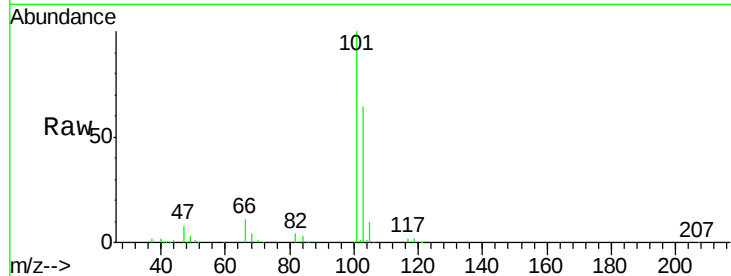
Trichlorofluoromethane
 Concen: 45.962 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD067049.D
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 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	63.6	49.8	74.8

Manual Integrations
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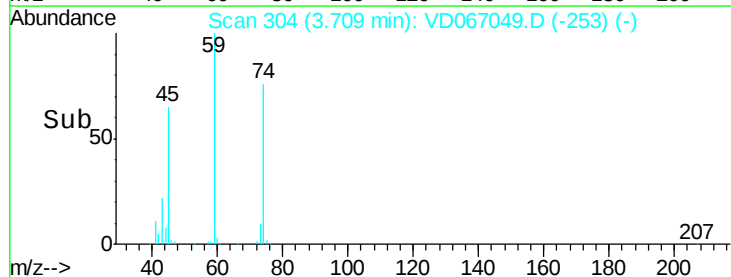
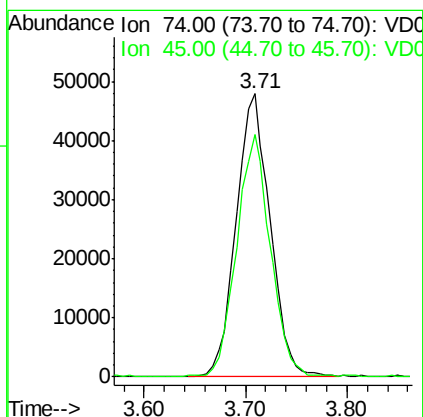
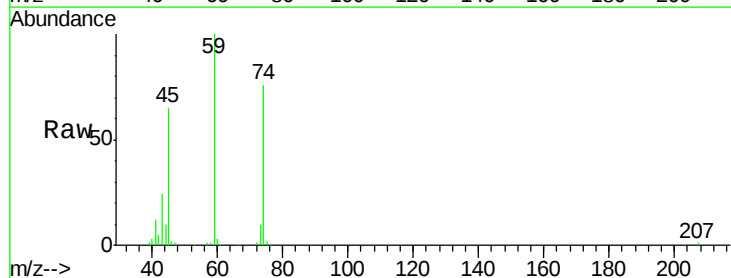
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 10/5/2020 5:34:31 PM

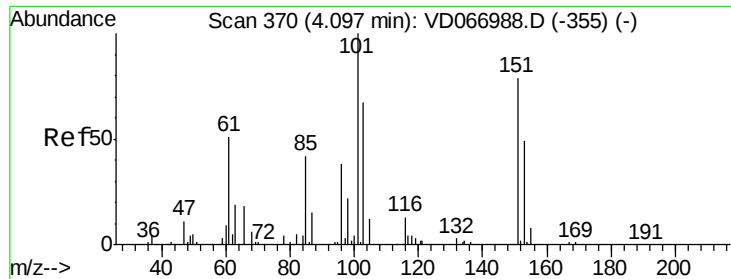


#8

Diethyl Ether
 Concen: 55.017 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	85.0	43.1	129.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.902 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

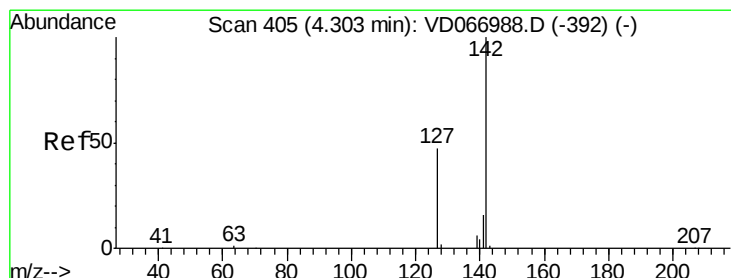
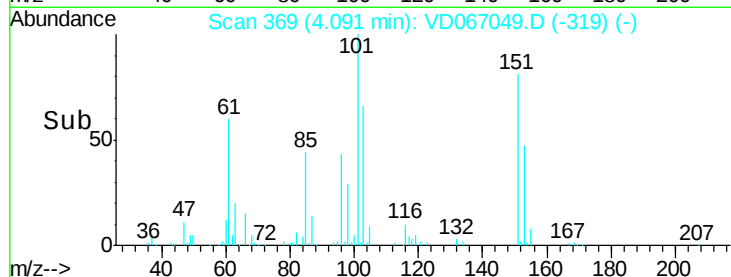
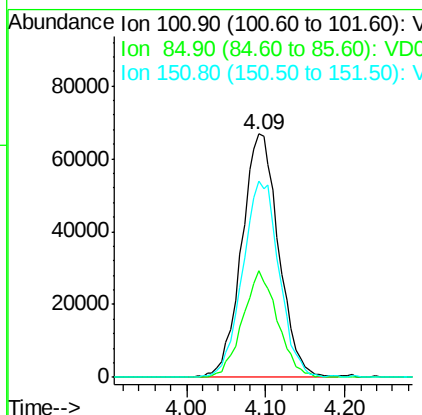
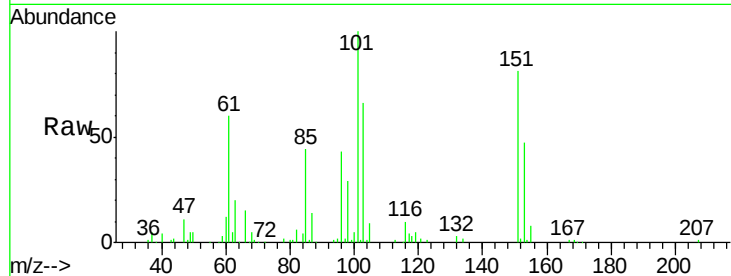
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	216758
Ion Ratio	Lower	Upper	
101	100		
85	41.2	33.8	50.8
151	79.6	63.8	95.8

Manual Integrations
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#10

Methyl Iodide

Concen: 45.150 ug/l

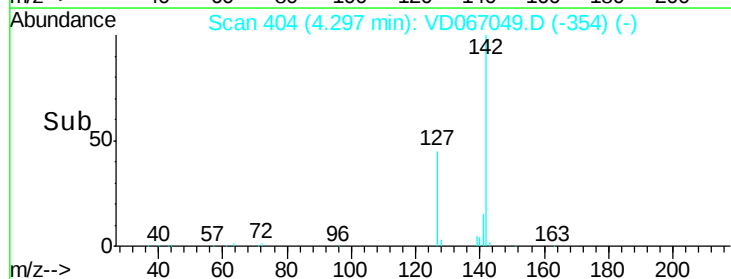
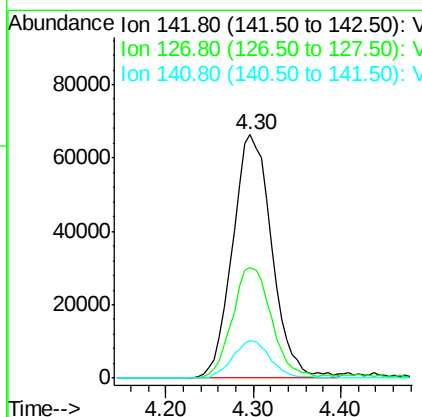
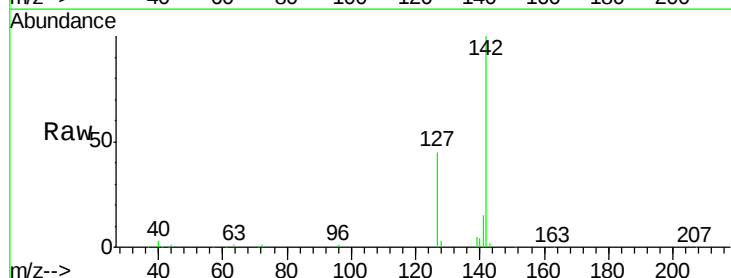
RT: 4.30 min Scan# 404

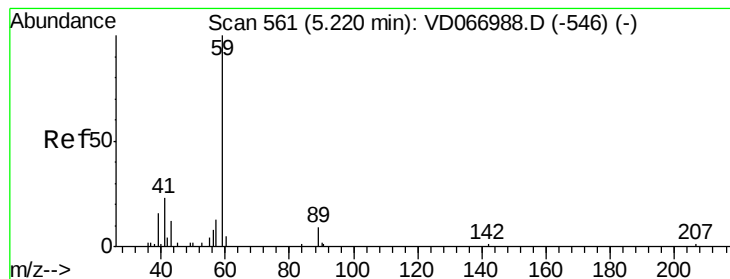
Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion:	142	Resp:	202747
Ion Ratio	Lower	Upper	
142	100		
127	45.2	36.3	54.5
141	14.7	12.0	18.0





#11

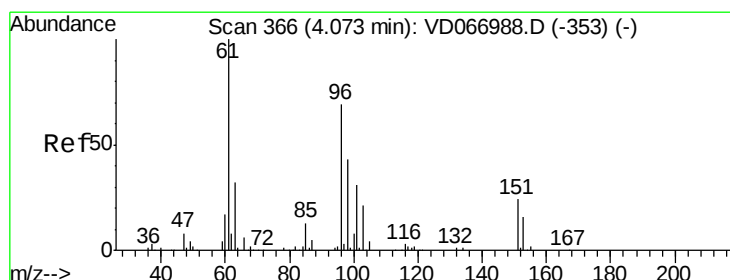
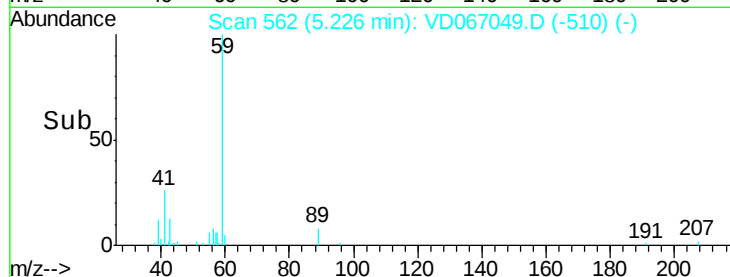
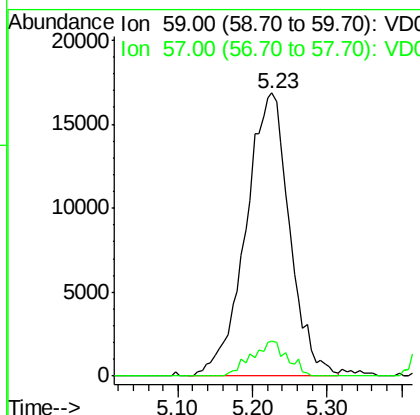
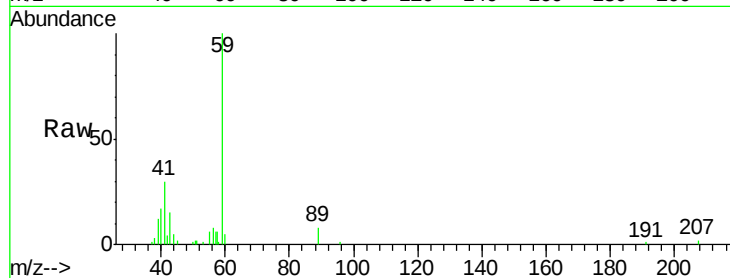
Tert butyl alcohol
Concen: 267.718 ug/l
RT: 5.23 min Scan# 562
Delta R.T. 0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.2	8.2	12.4

Manual Integrations
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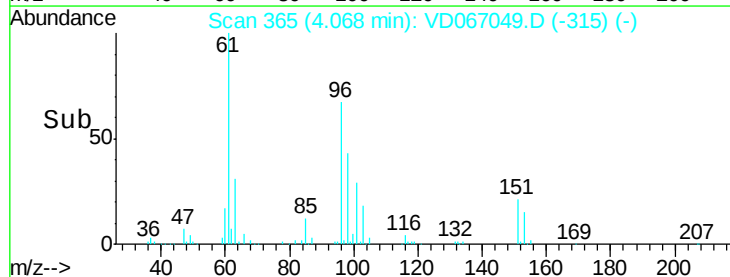
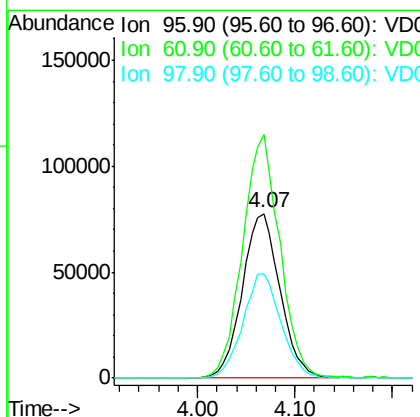
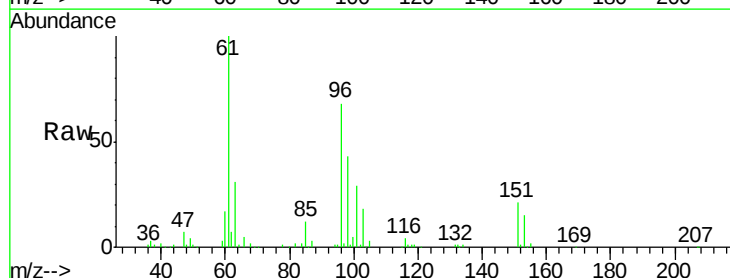
MMDadoda
10/5/2020 5:34:31 PM

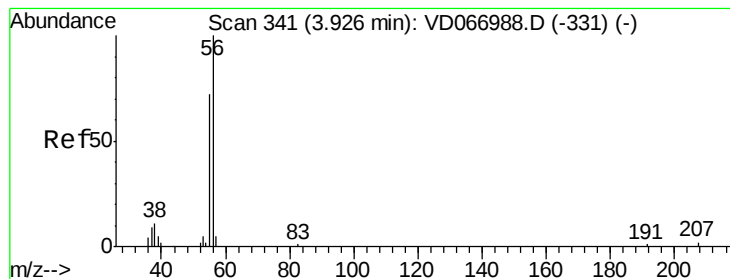


#12

1,1-Dichloroethene
Concen: 48.435 ug/l
RT: 4.07 min Scan# 365
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.1	116.4	174.6
98	63.1	49.9	74.9





#13

Acrolein

Concen: 198.890 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 59118

Ion Ratio Lower Upper

56 100

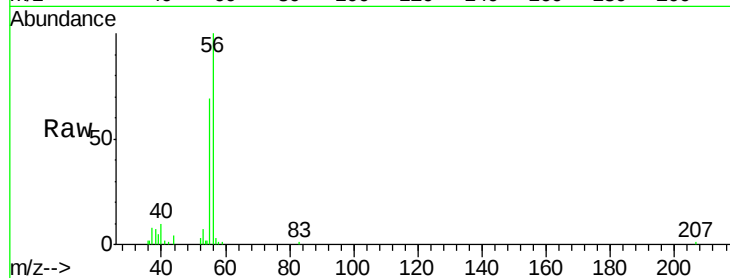
55 70.7 56.9 85.3

Manual Integrations

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

25000

20000

15000

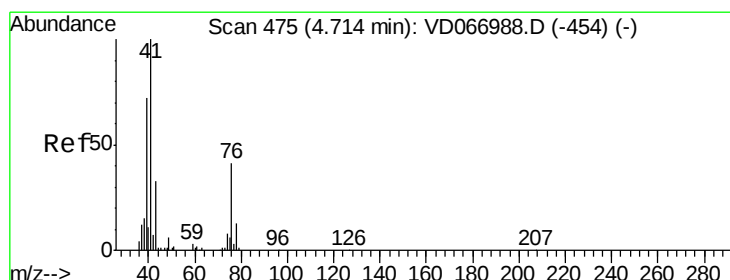
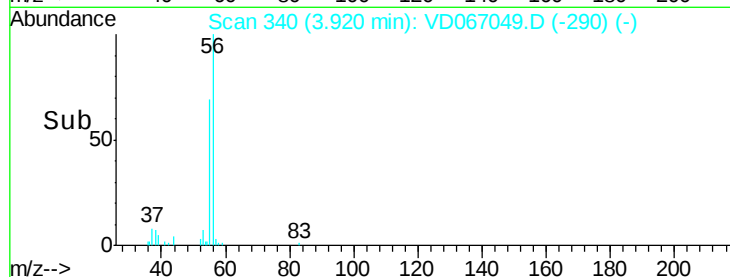
10000

5000

0

3.80 3.90 4.00

Time-->



#14

Allyl chloride

Concen: 51.112 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

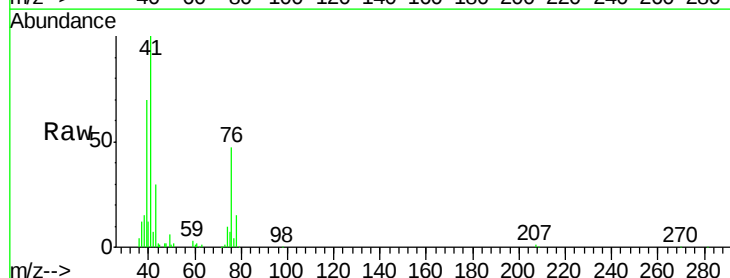
Tgt Ion: 41 Resp: 288470

Ion Ratio Lower Upper

41 100

39 69.0 56.2 84.2

76 43.7 34.2 51.2



Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC

120000

100000

80000

60000

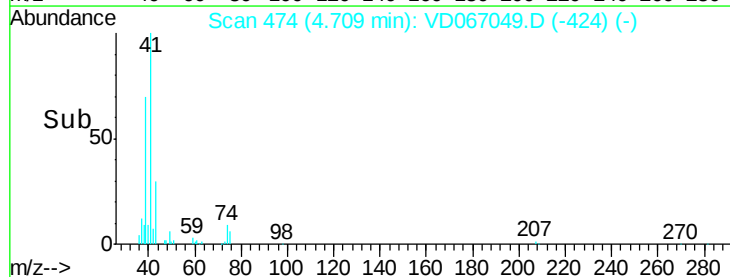
40000

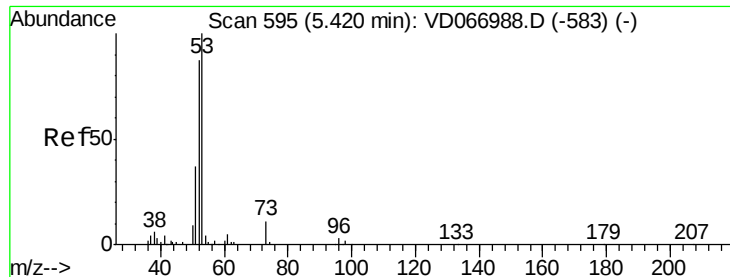
20000

0

4.50 4.60 4.70 4.80 4.90

Time-->





#15

Acrylonitrile

Concen: 271.326 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

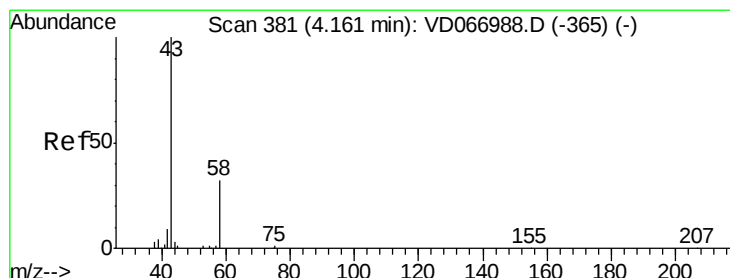
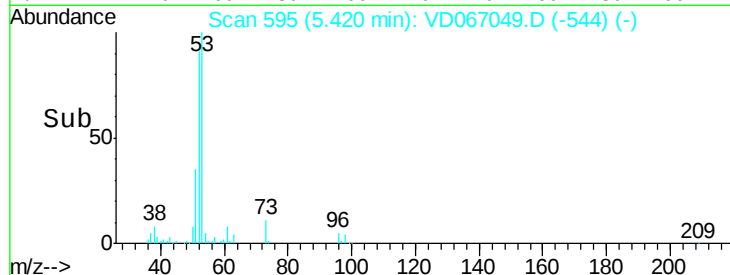
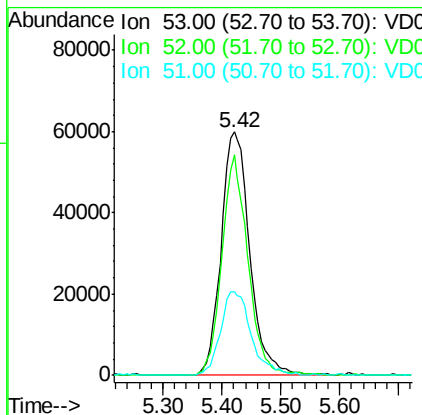
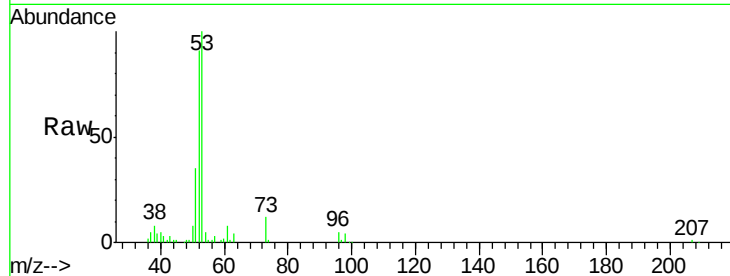
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	202475
Ion Ratio	Lower	Upper	
53	100		
52	82.6	67.3	100.9
51	36.8	30.2	45.2

Manual Integrations
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#16

Acetone

Concen: 249.030 ug/l

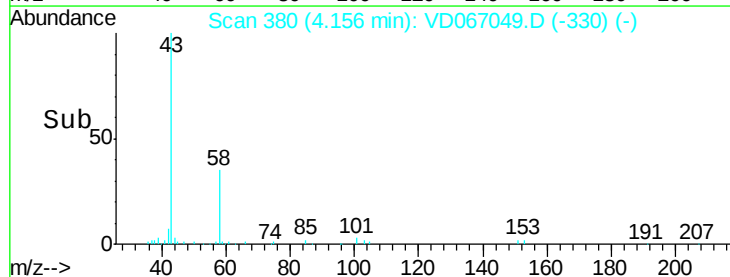
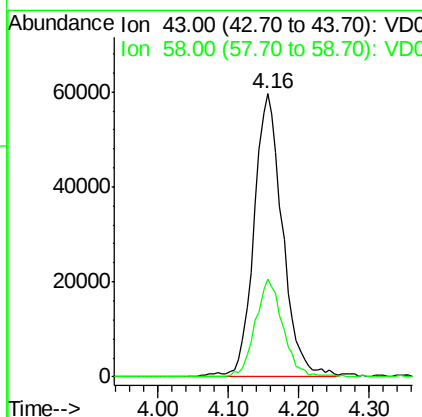
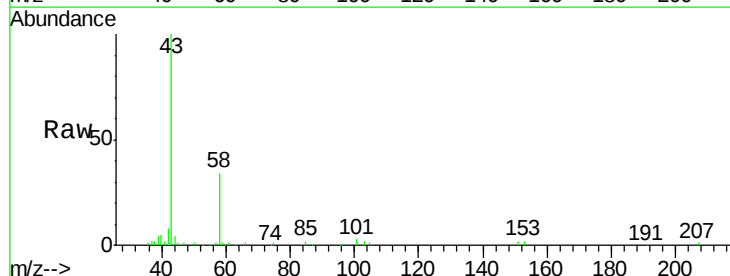
RT: 4.16 min Scan# 380

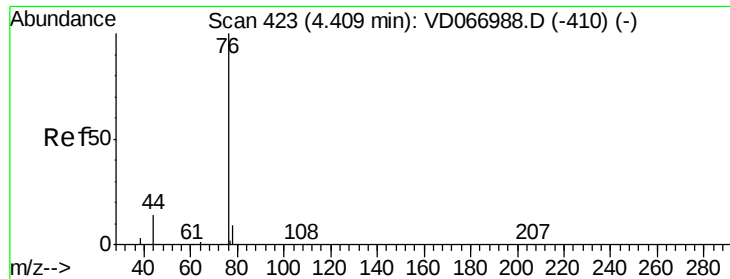
Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion:	43	Resp:	168750
Ion Ratio	Lower	Upper	
43	100		
58	34.3	25.9	38.9





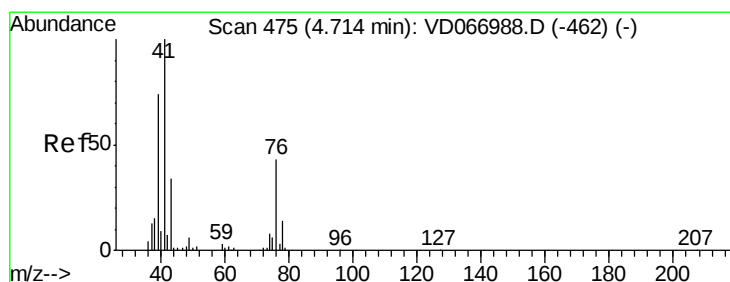
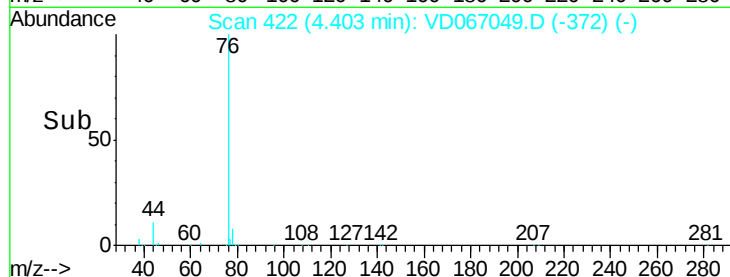
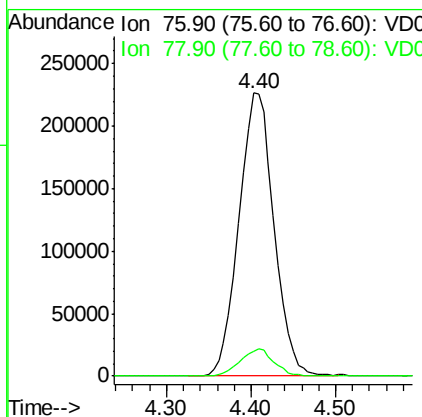
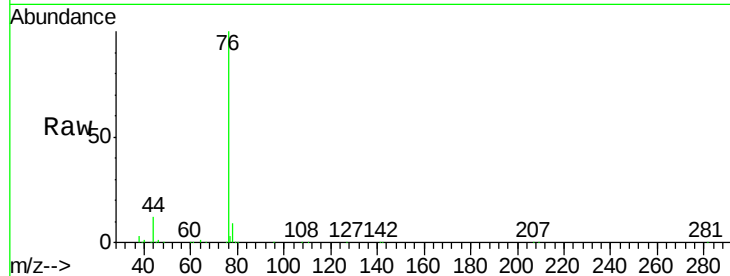
#17
Carbon Disulfide
Concen: 48.950 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.5	11.3

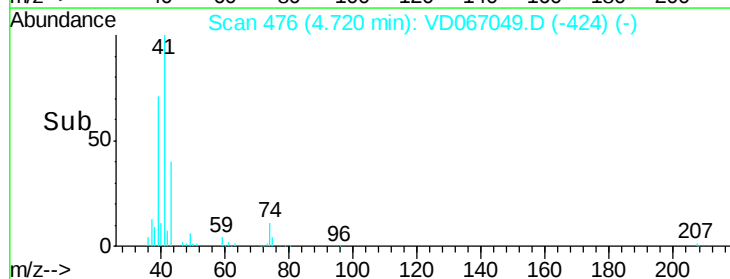
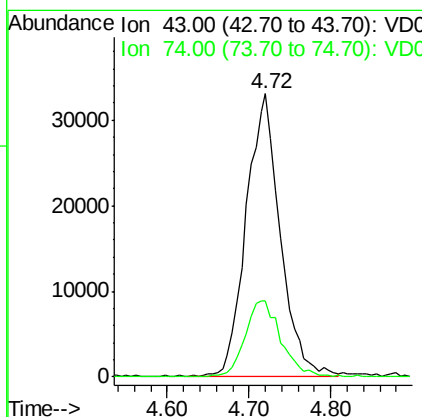
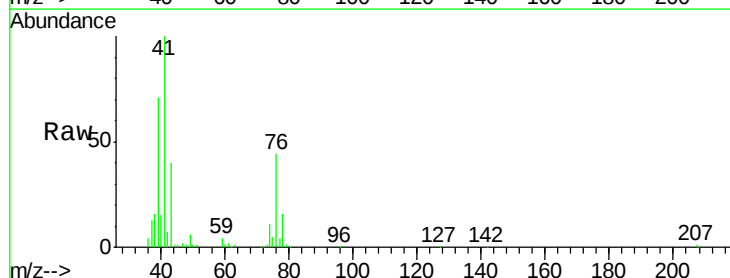
Manual Integrations
APPROVED

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10/5/2020 5:34:31 PM



#18
Methyl Acetate
Concen: 56.416 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
43	100		
74	28.3	21.5	32.3





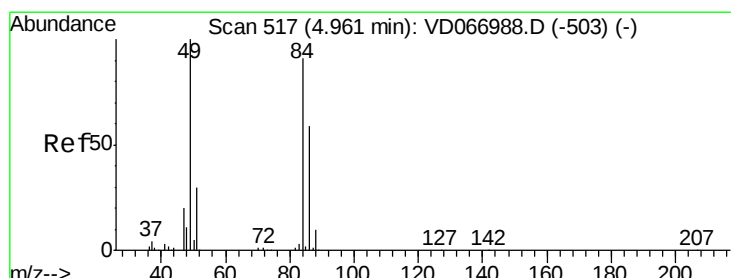
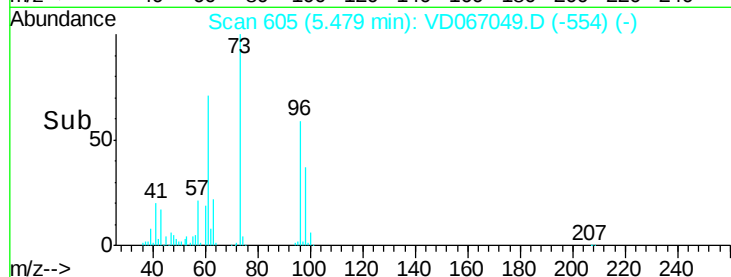
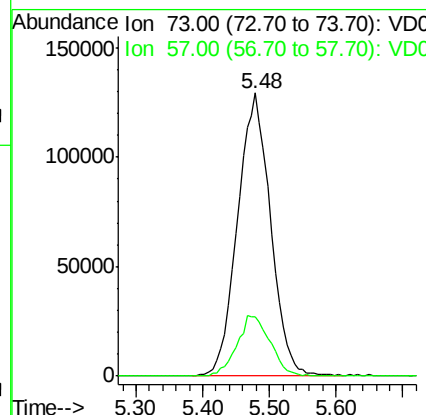
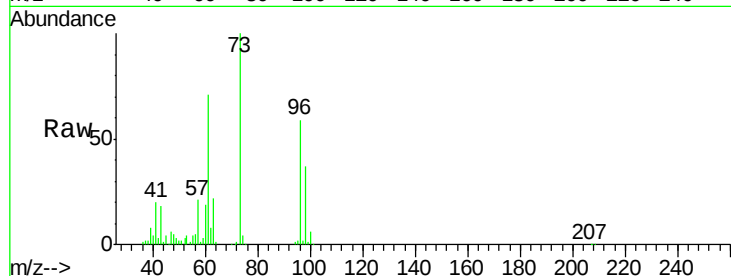
#19
Methyl tert-butyl Ether
Concen: 55.865 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.8	17.4	26.0

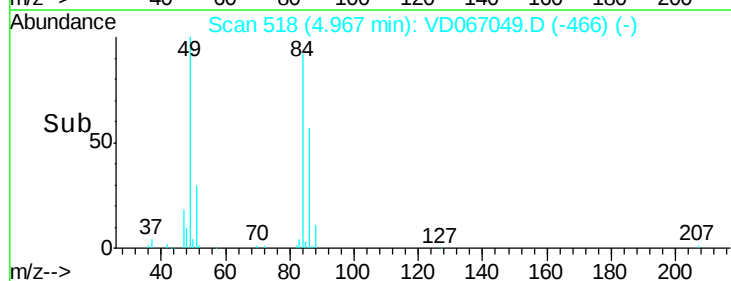
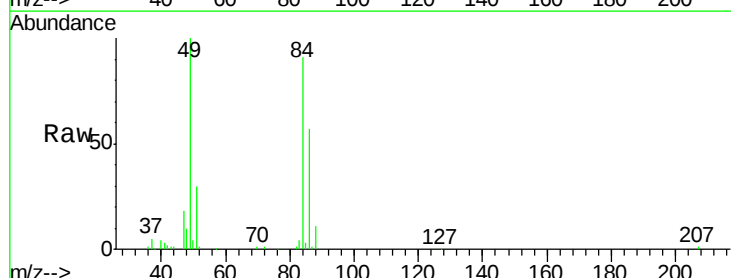
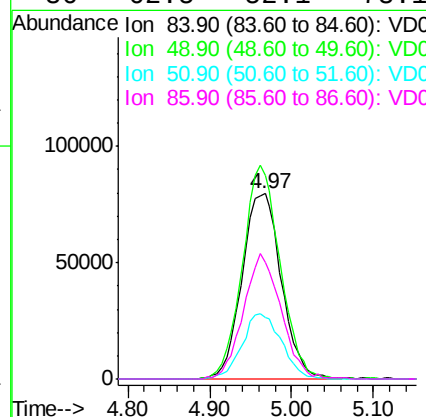
Manual Integrations
APPROVED

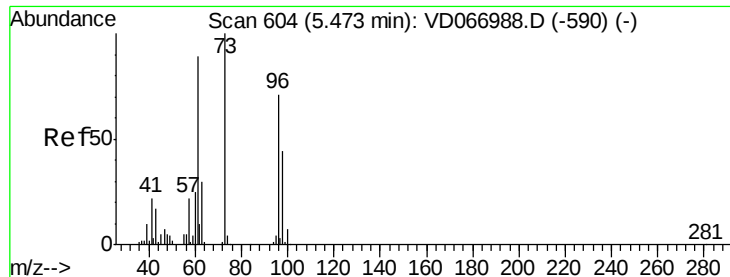
MMDadoda
10/5/2020 5:34:31 PM



#20
Methylene Chloride
Concen: 56.259 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
84	100		
49	109.3	88.2	132.2
51	33.1	26.6	39.8
86	62.5	52.1	78.1





#21

trans-1,2-Dichloroethene

Concen: 51.678 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 96 Resp: 255508

Ion Ratio Lower Upper

96 100

61 129.5 99.6 149.4

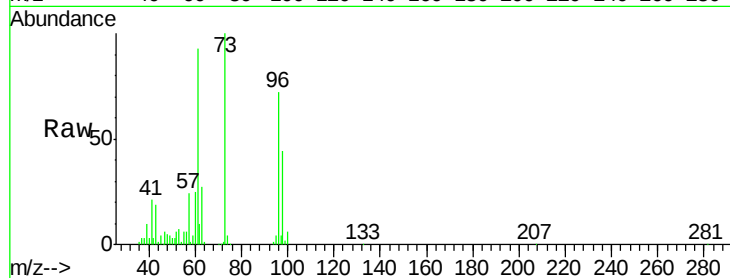
98 61.0 49.4 74.2

Manual Integrations

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MMDadoda

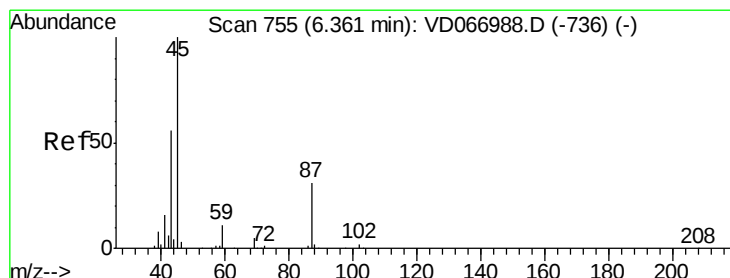
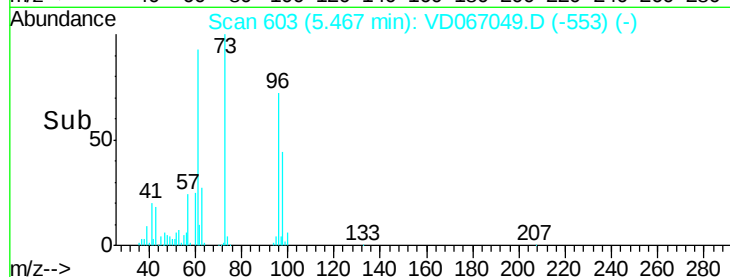
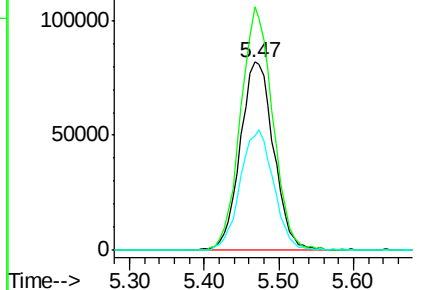
10/5/2020 5:34:31 PM



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 54.257 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion: 45 Resp: 559049

Ion Ratio Lower Upper

45 100

43 57.1 45.2 67.8

87 32.1 25.6 38.4

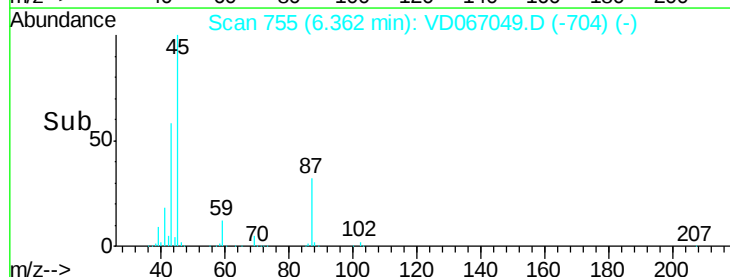
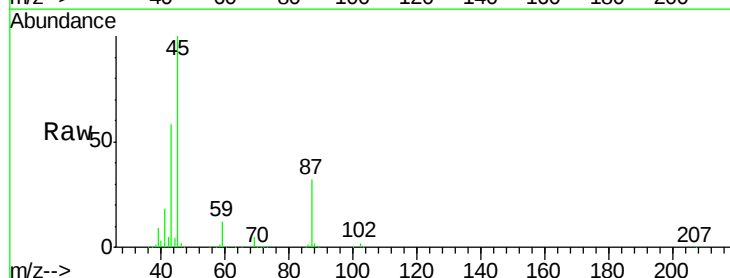
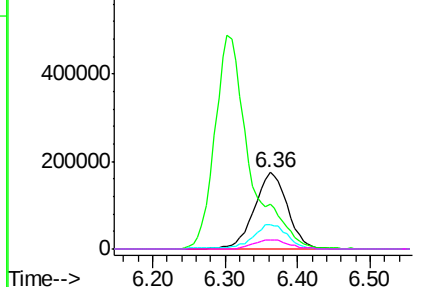
59 12.3 9.1 13.7

Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 278.496 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1626067

Ion Ratio Lower Upper

43 100

86 11.9

10.2

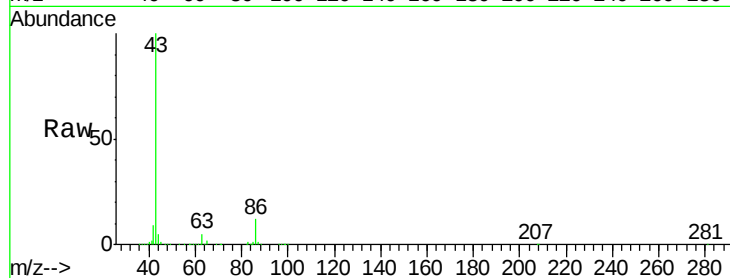
15.2

Manual Integrations

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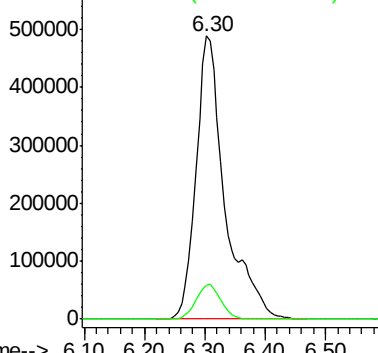
MMDadoda

10/5/2020 5:34:31 PM

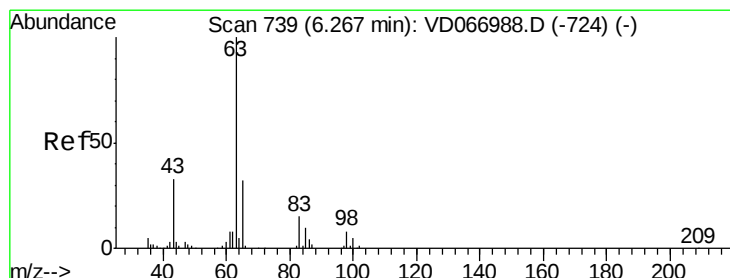
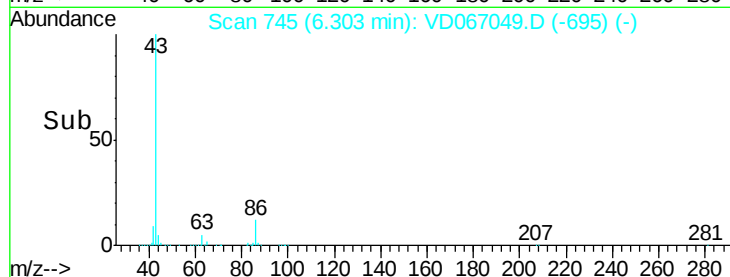


Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



Time--> 6.10 6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 51.356 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion: 63 Resp: 408378

Ion Ratio Lower Upper

63 100

98 8.8

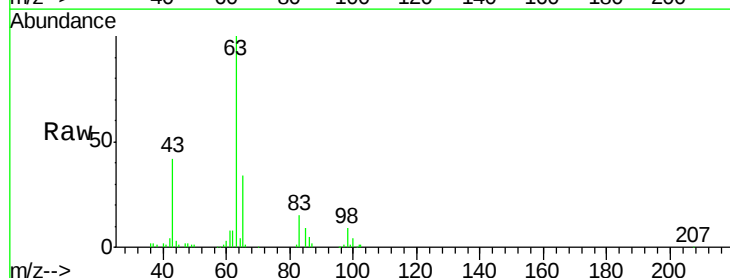
4.2

12.6

100 4.3

2.6

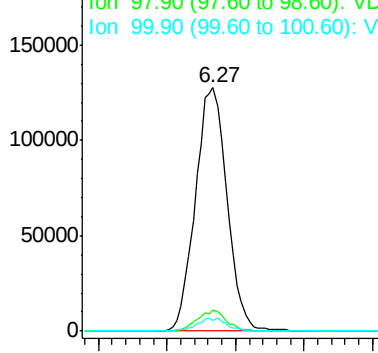
7.8



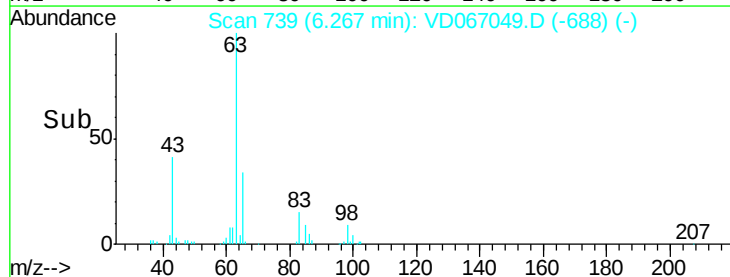
Abundance Ion 62.90 (62.60 to 63.60): VDC

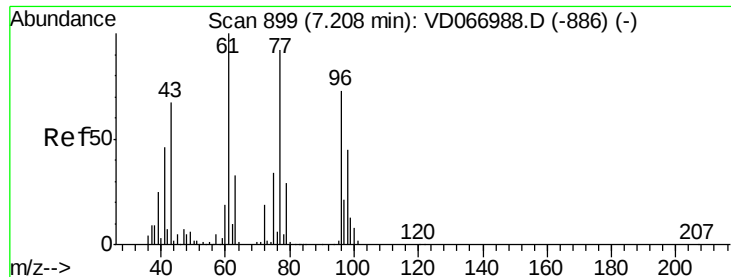
Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC



Time--> 6.10 6.20 6.30 6.40





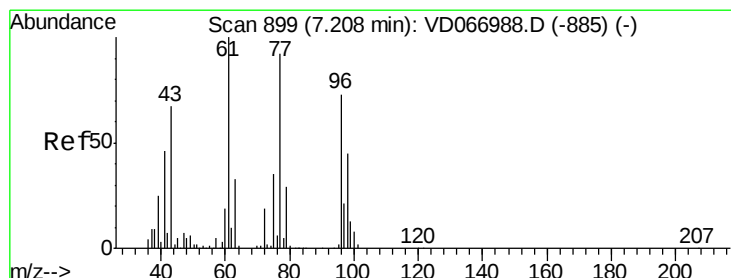
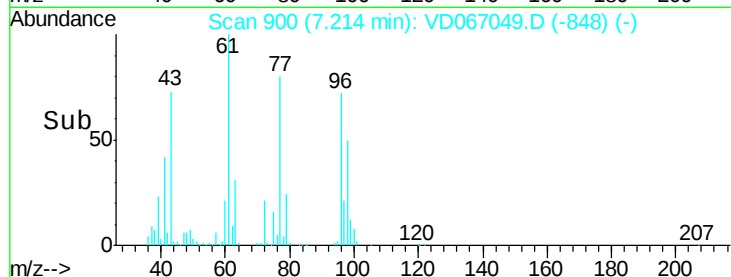
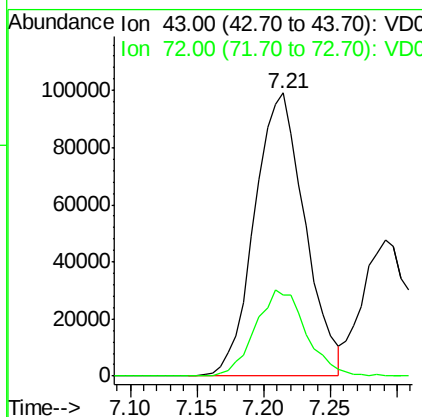
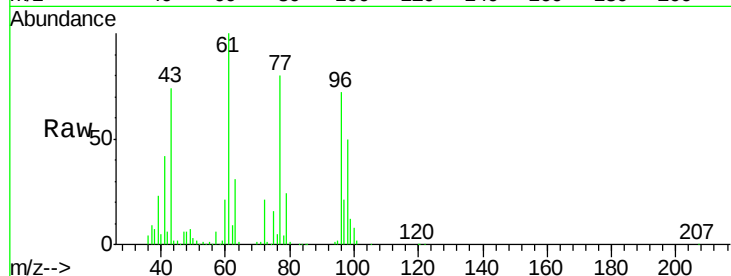
#25
2-Butanone
Concen: 270.692 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 260059
Ion Ratio Lower Upper
43 100
72 28.6 22.8 34.2

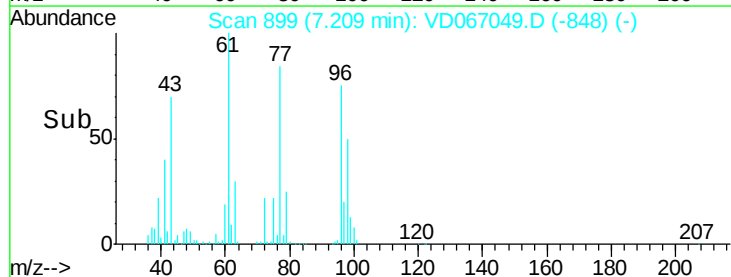
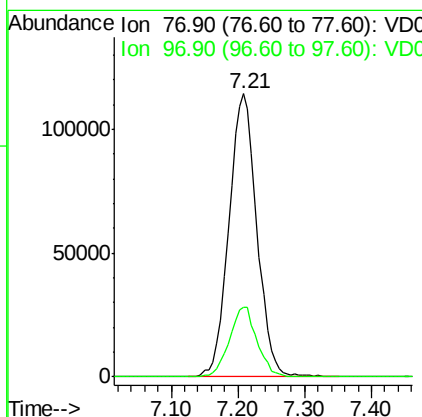
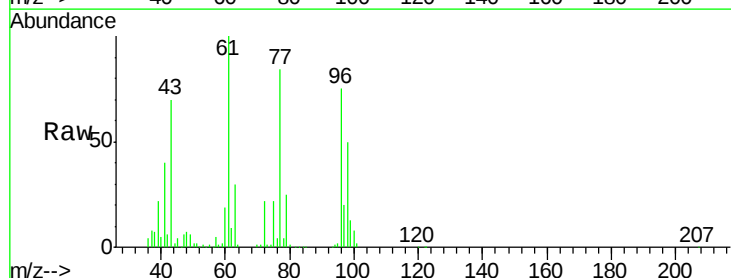
Manual Integrations
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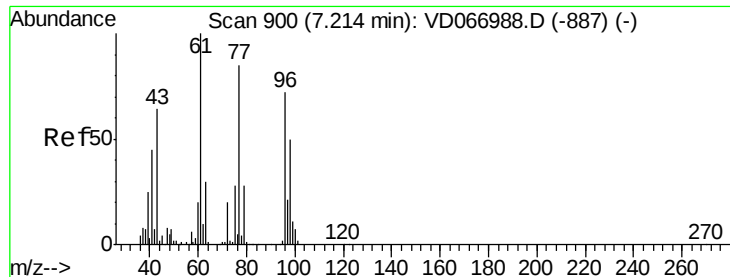
MMDadoda
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#26
2,2-Dichloropropane
Concen: 49.083 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 77 Resp: 334261
Ion Ratio Lower Upper
77 100
97 24.4 11.4 34.2





#27

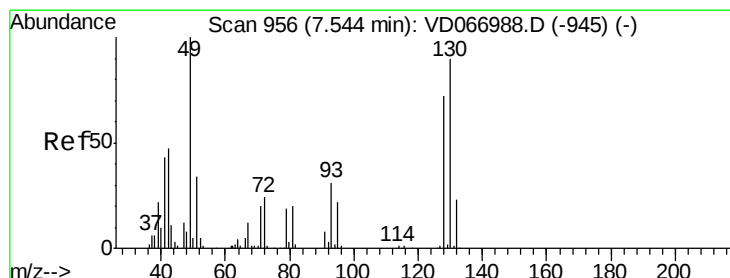
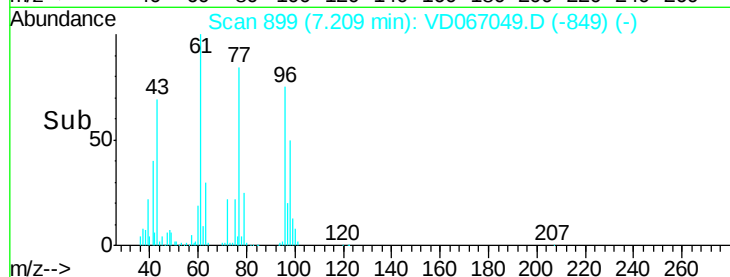
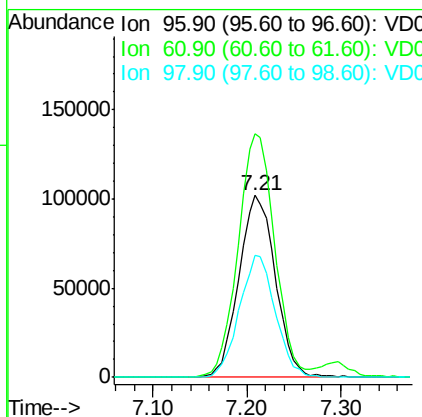
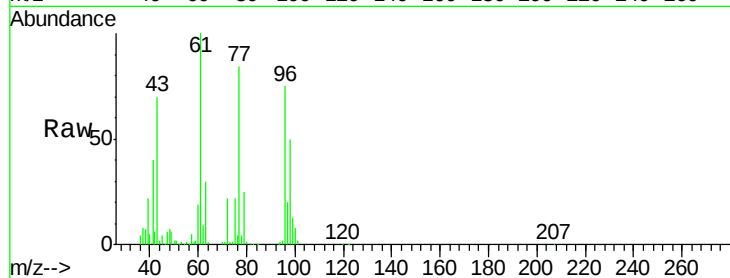
cis-1,2-Dichloroethene
Concen: 52.189 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	275581		
61	133.7	0.0	269.2	
98	65.7	0.0	129.4	

Manual Integrations
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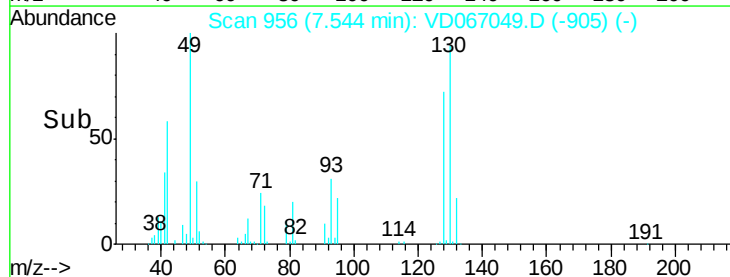
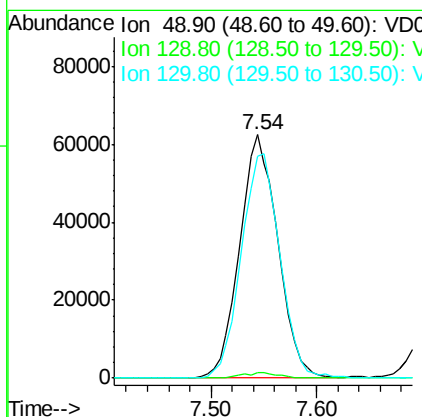
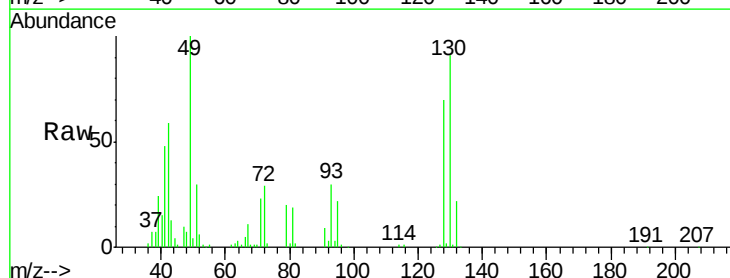
MMDadoda
10/5/2020 5:34:31 PM

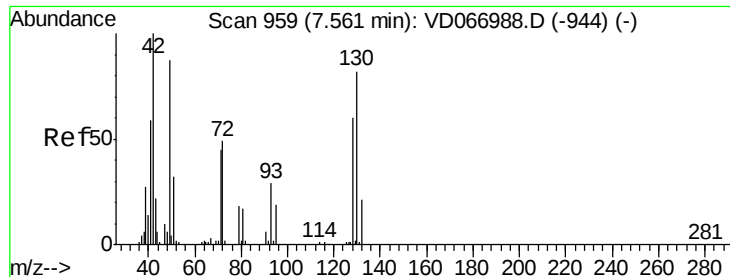


#28

Bromochloromethane
Concen: 50.922 ug/l
RT: 7.54 min Scan# 956
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	156376		
129	2.0	0.0	4.6	
130	93.7	74.1	111.1	





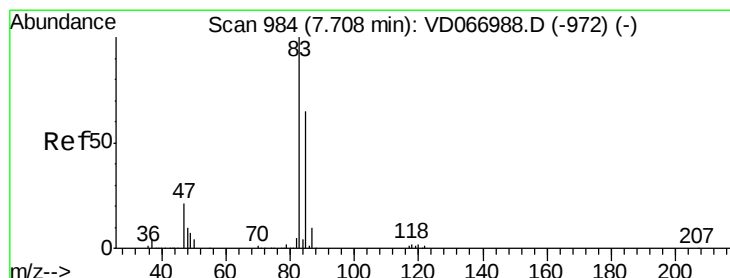
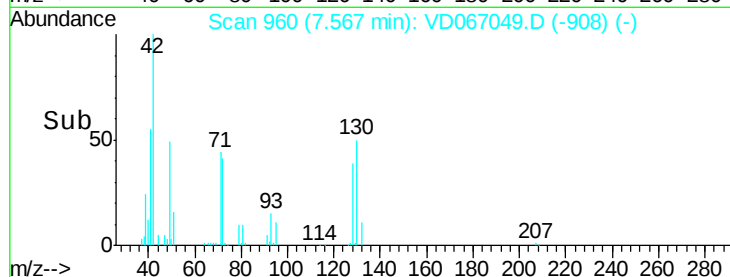
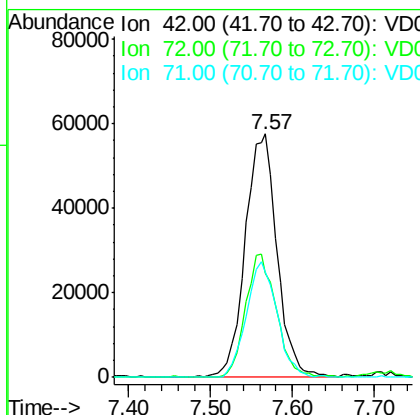
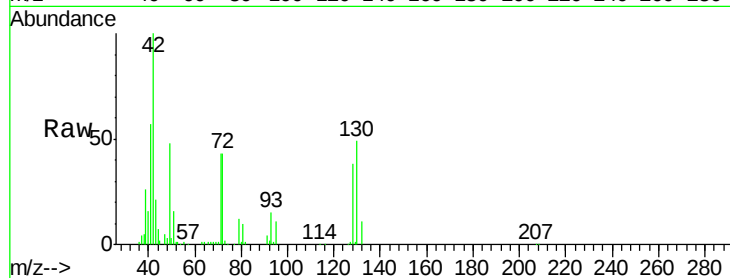
#29
Tetrahydrofuran
Concen: 282.453 ug/l
RT: 7.57 min Scan# 960
Delta R.T. 0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	48.9	39.1	58.7
71	45.8	34.2	51.4

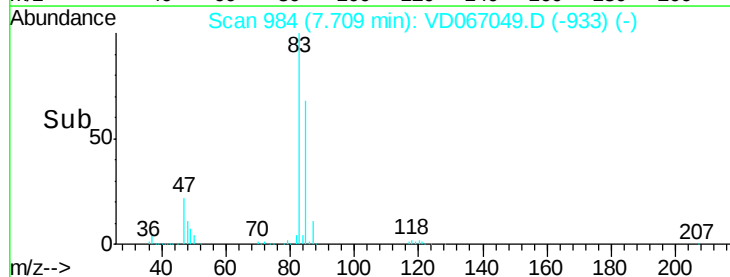
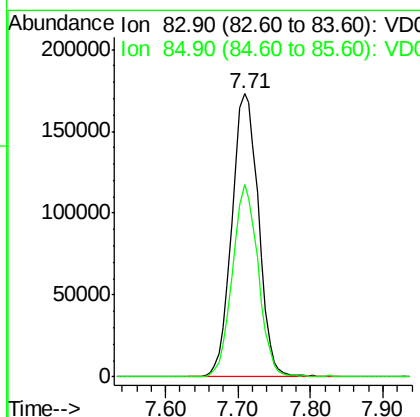
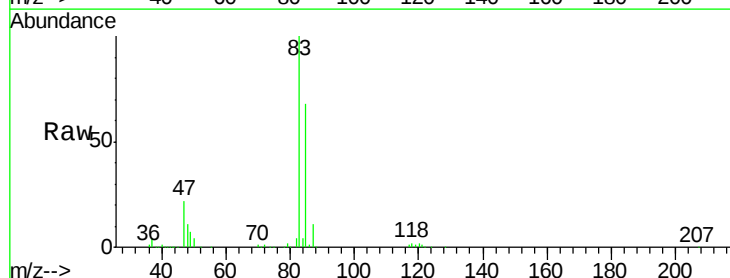
Manual Integrations
APPROVED

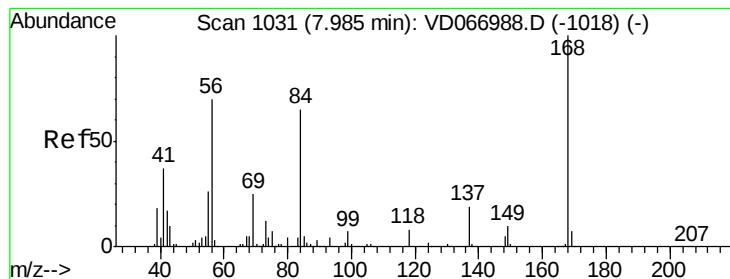
MMDadoda
10/5/2020 5:34:31 PM



#30
Chloroform
Concen: 51.407 ug/l
RT: 7.71 min Scan# 984
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.9	52.3	78.5





#31

Cyclohexane

Concen: 45.052 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

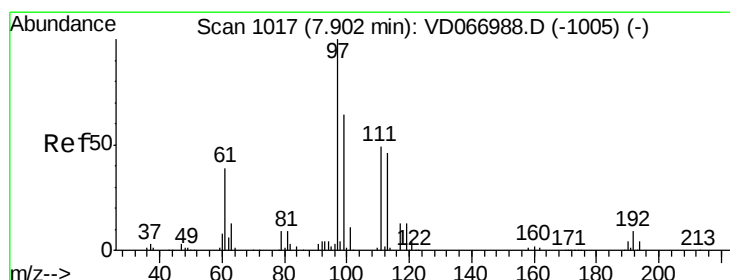
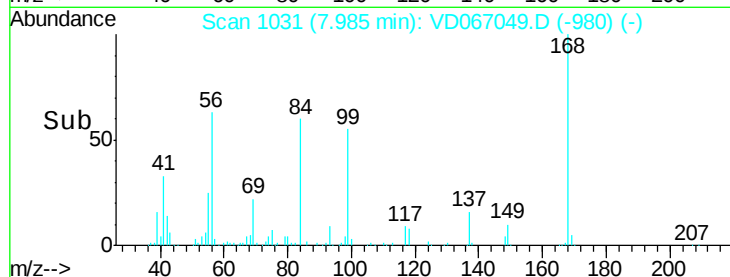
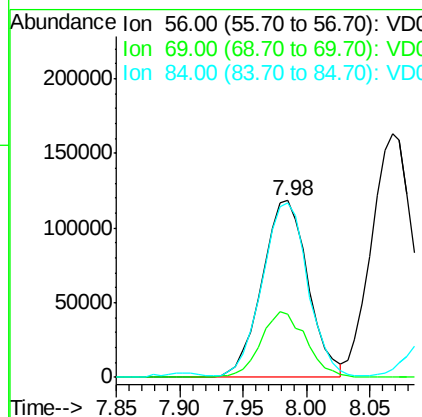
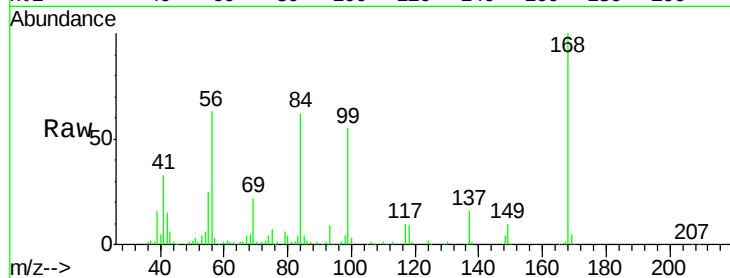
ClientSampleId :

VSTDCCC050EC

Tot Ion:	56	Resp:	300340
Ion Ratio	Lower	Upper	
56	100		
69	35.8	29.0	43.6
84	96.1	74.2	111.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 49.211 ug/l

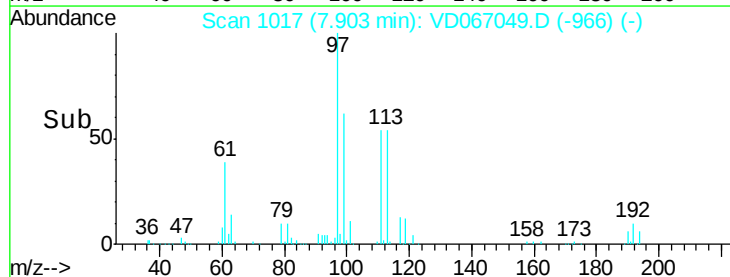
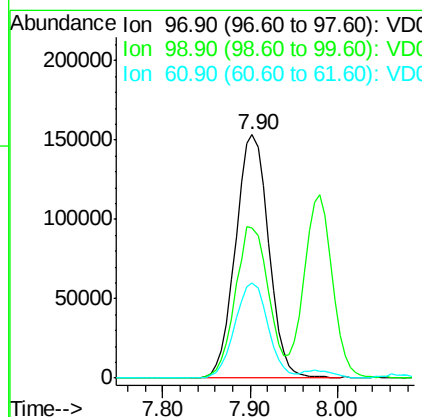
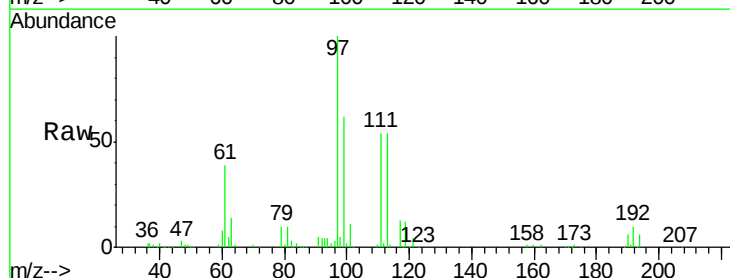
RT: 7.90 min Scan# 1017

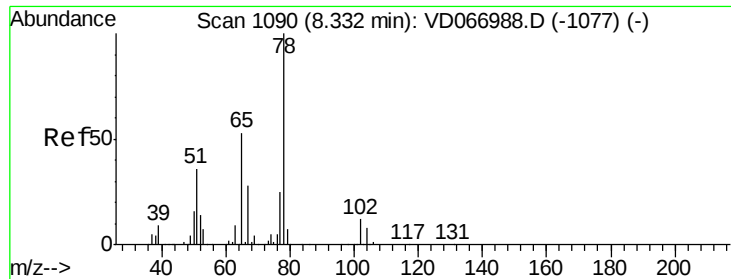
Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion:	97	Resp:	393407
Ion Ratio	Lower	Upper	
97	100		
99	62.3	52.6	78.8
61	39.3	32.8	49.2





#33

1,2-Dichloroethane-d4

Concen: 53.373 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 236929

Ion Ratio Lower Upper

65 100

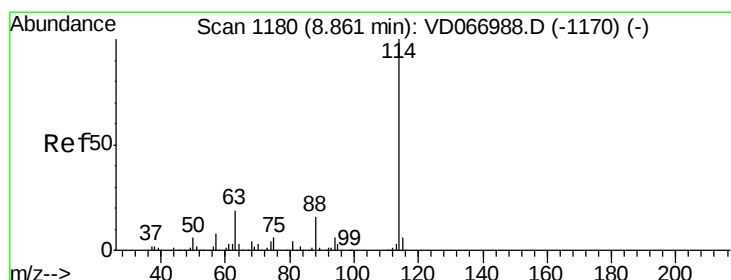
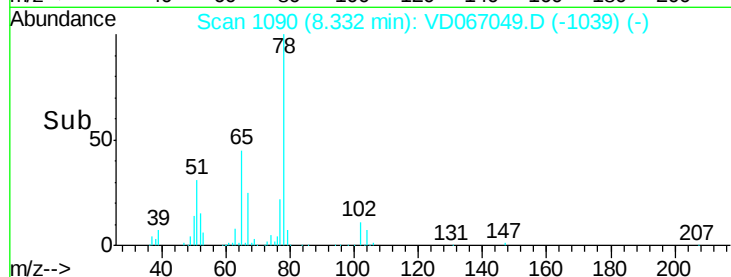
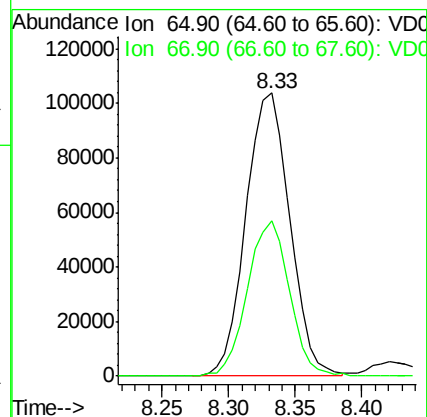
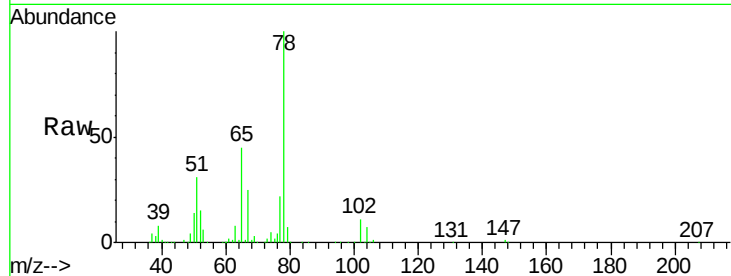
67 52.8 0.0 106.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

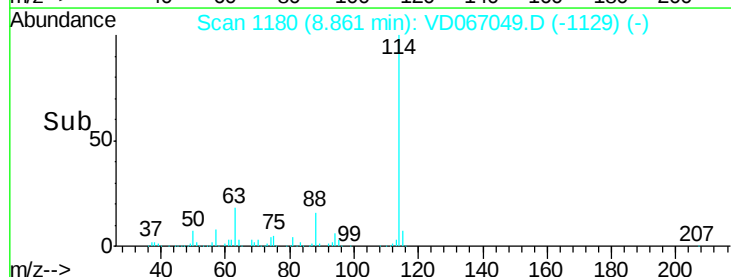
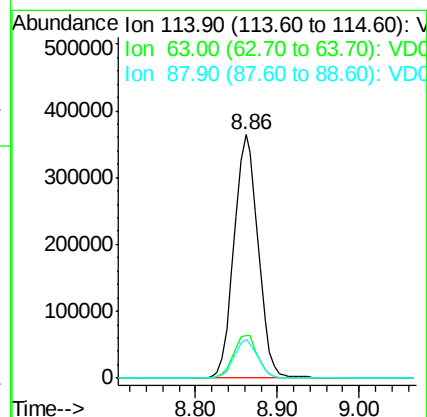
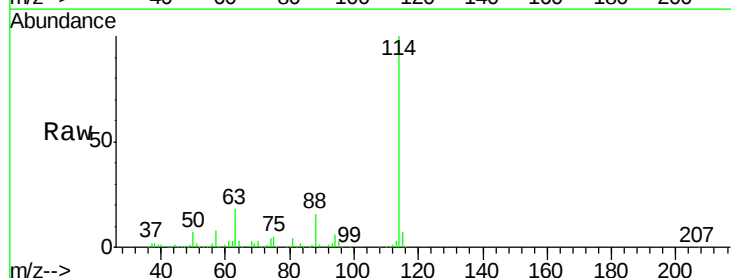
Tgt Ion: 114 Resp: 748498

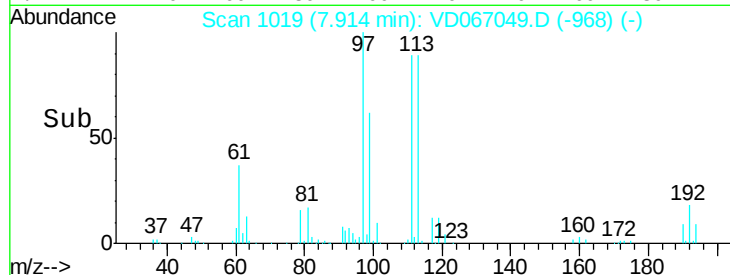
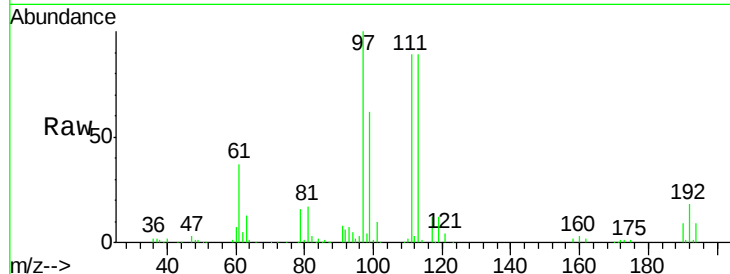
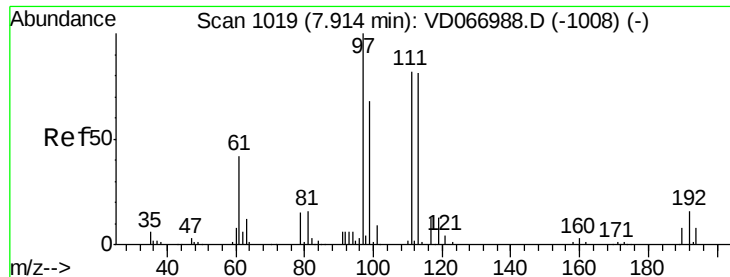
Ion Ratio Lower Upper

114 100

63 17.7 0.0 38.4

88 15.7 0.0 31.2





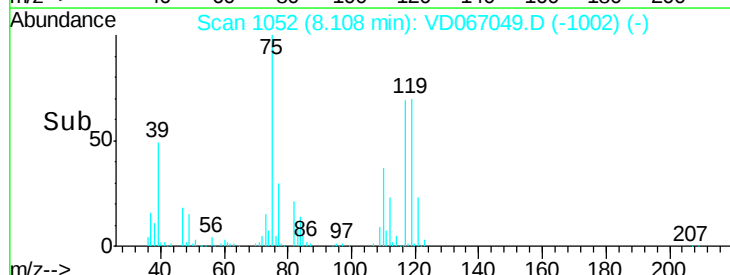
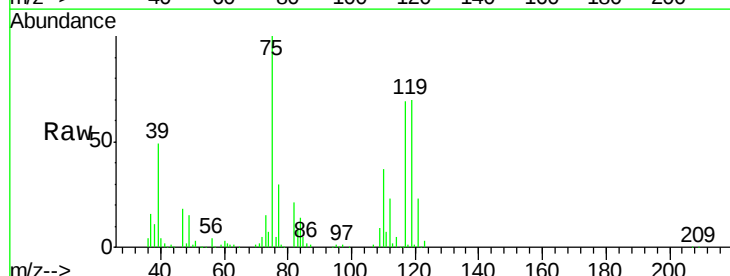
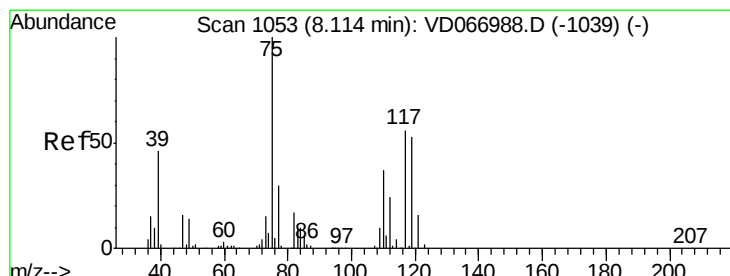
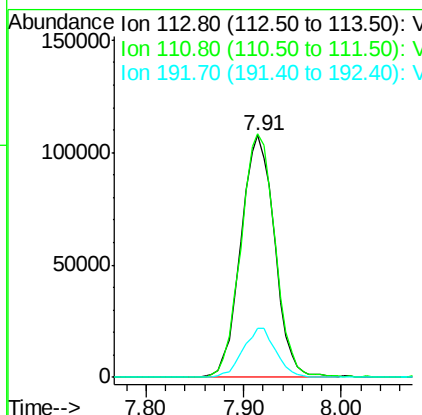
#35
Dibromofluoromethane
Concen: 52.847 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tot Ion	Ratio	Resp	Lower	Upper
113	100	258965		
111	102.2	83.0	124.4	
192	19.7	15.5	23.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

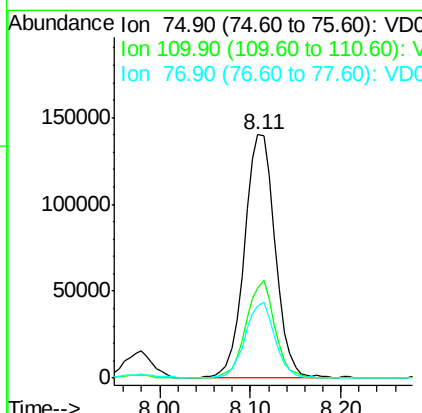
Manual Integrations
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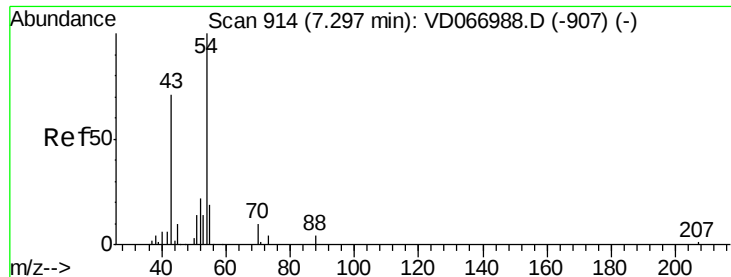
MMDadoda
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#36
1,1-Dichloropropene
Concen: 46.869 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	326999		
110	37.9	18.4	55.0	
77	30.5	24.8	37.2	





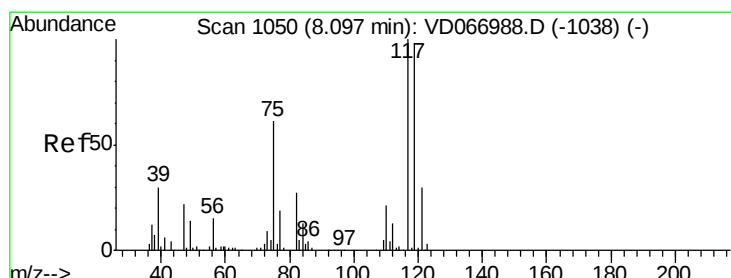
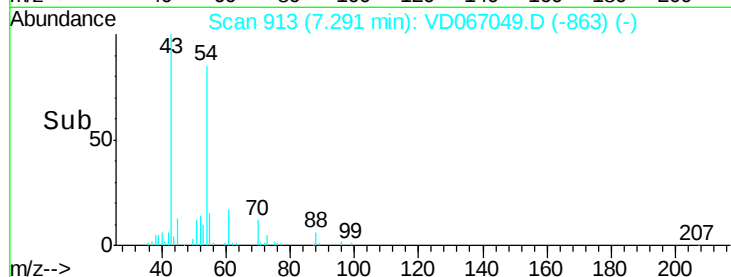
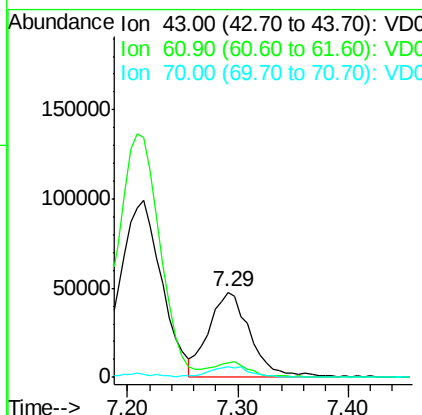
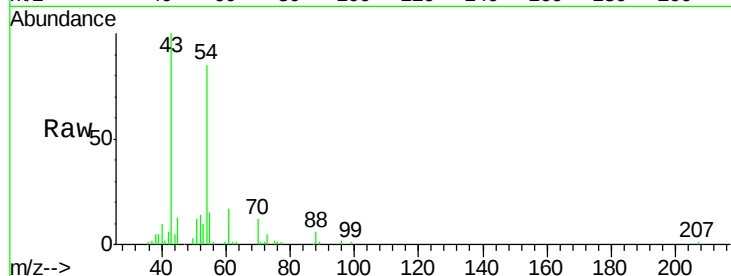
#37
Ethyl Acetate
Concen: 51.066 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
43	100			
61	15.2	12.5	18.7	
70	12.2	9.4	14.0	

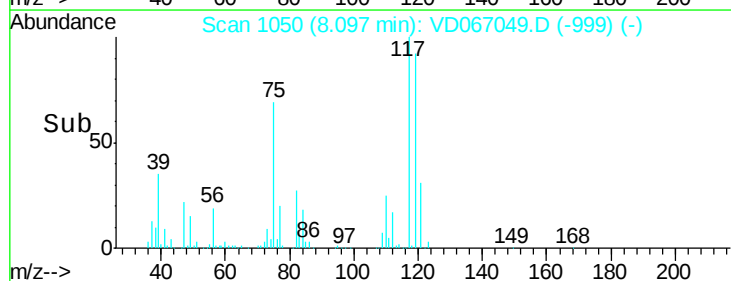
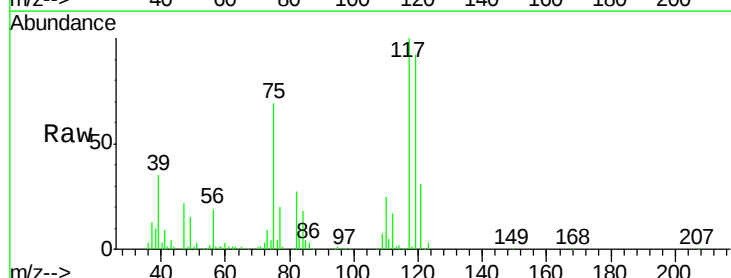
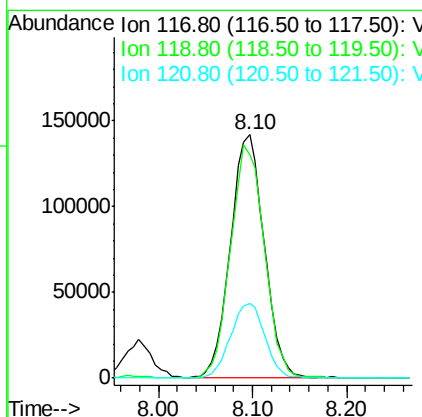
Manual Integrations
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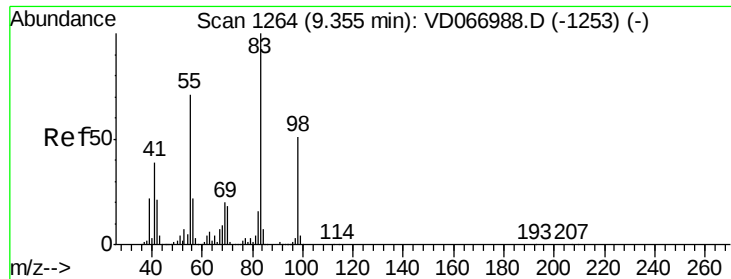
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#38
Carbon Tetrachloride
Concen: 46.835 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	92.1	78.7	118.1	
121	30.7	24.2	36.2	





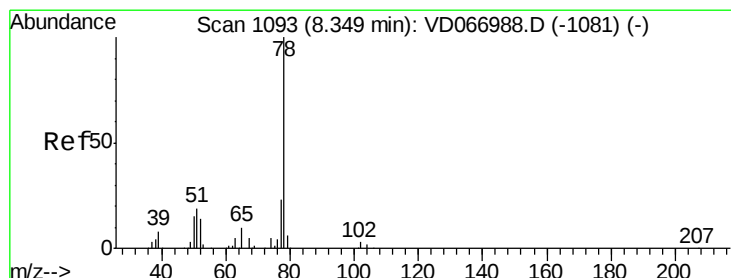
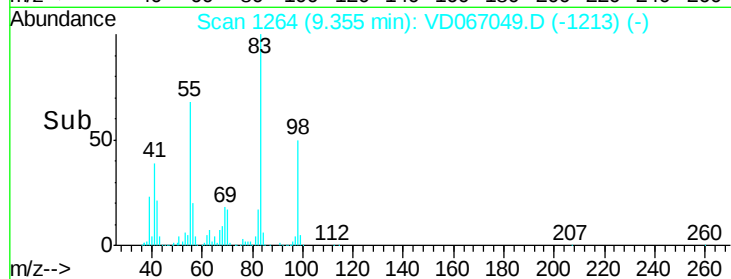
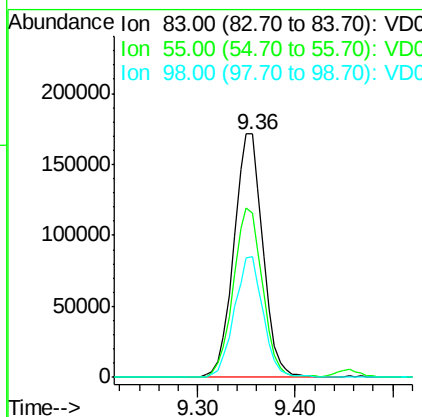
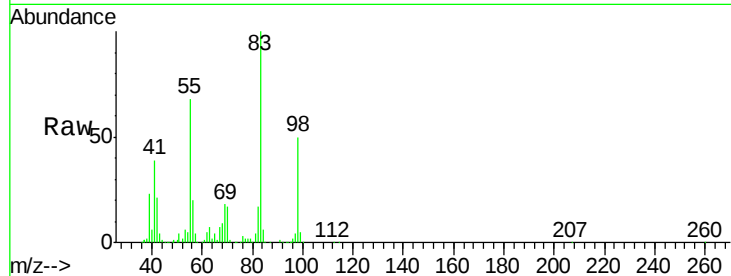
#39
Methylvlcyclohexane
Concen: 48.145 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	67.6	57.1	85.7
98	49.6	40.9	61.3

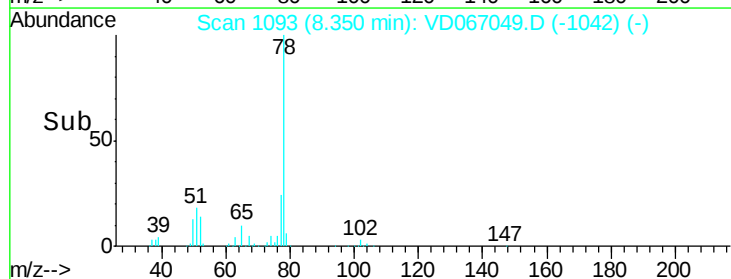
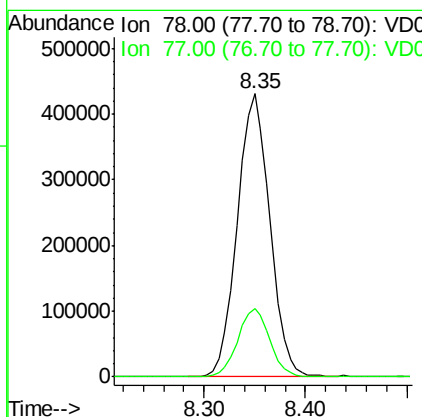
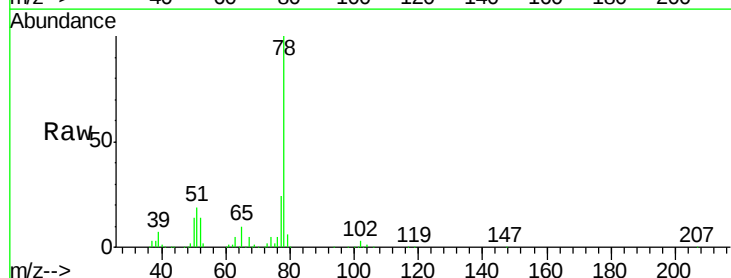
Manual Integrations
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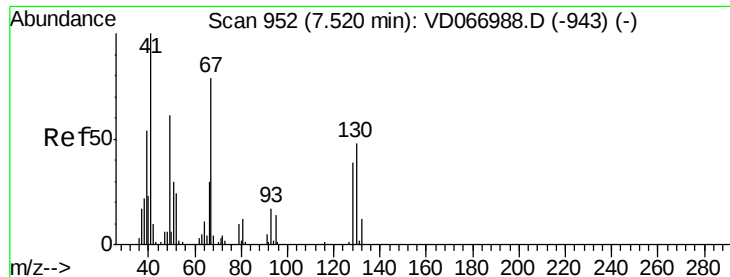
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#40
Benzene
Concen: 49.628 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.4	27.6





#41

Methacrylonitrile

Concen: 47.435 ug/l

RT: 7.52 min Scan# 952

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 41 Resp: 61938

Ion Ratio Lower Upper

41 100

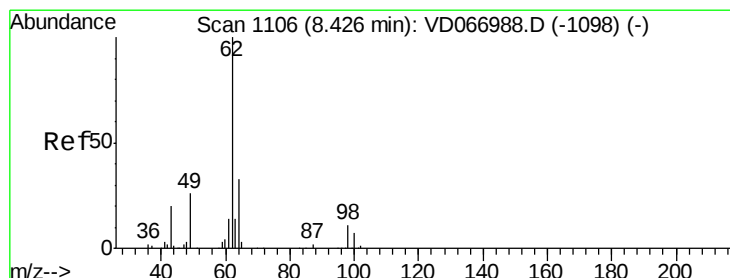
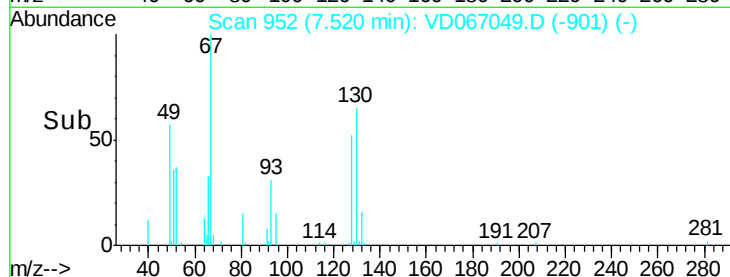
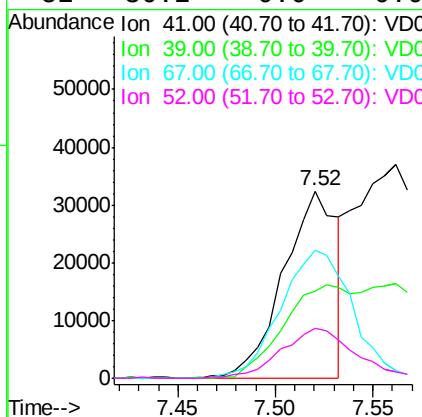
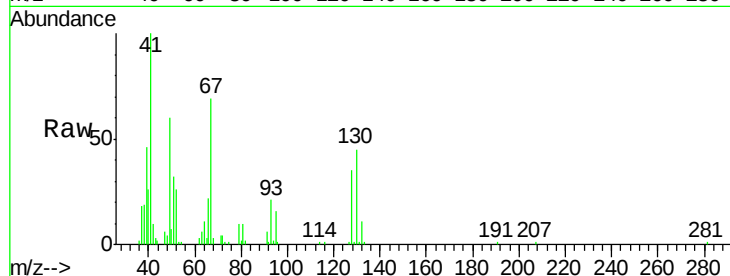
39 61.5 0.0 0.0#

67 91.6 0.0 0.0#

52 36.2 0.0 0.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 50.044 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD067049.D

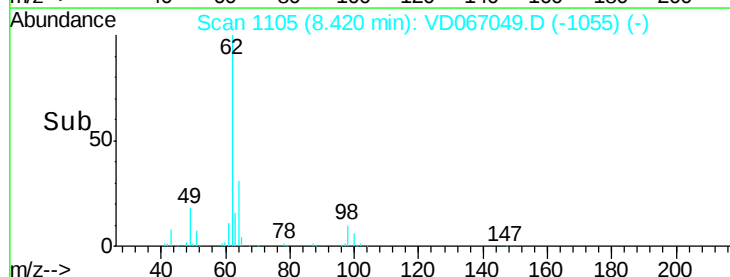
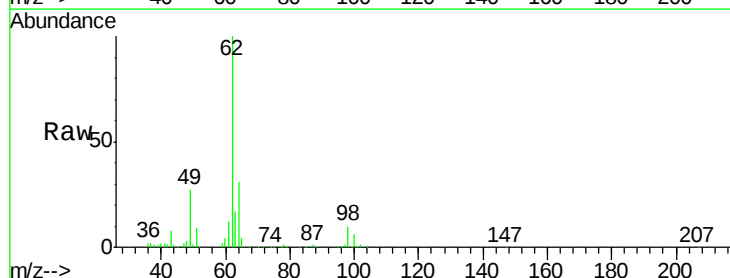
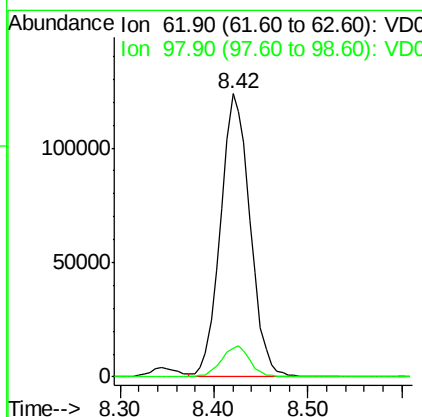
Acq: 02 Oct 2020 21:27

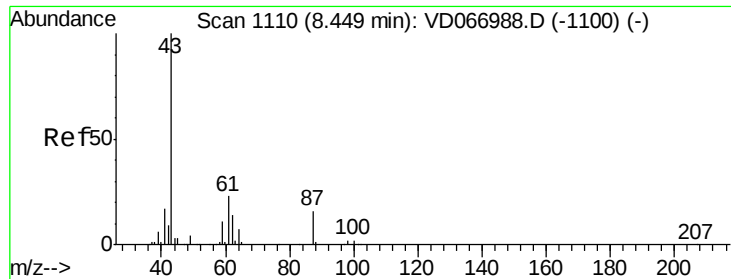
Tgt Ion: 62 Resp: 270986

Ion Ratio Lower Upper

62 100

98 10.6 0.0 22.6





#43

Isopropyl Acetate

Concen: 52.063 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

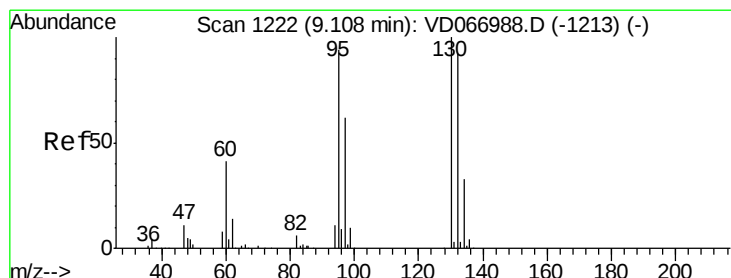
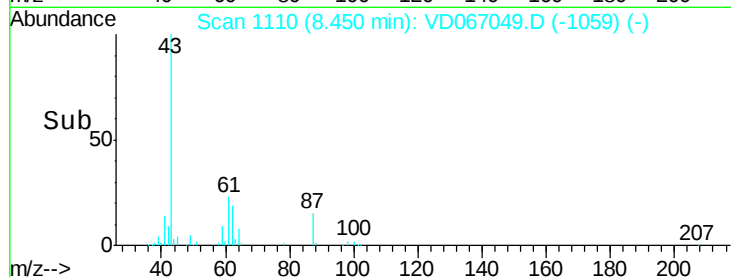
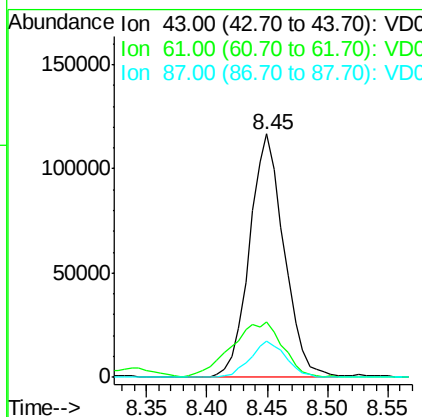
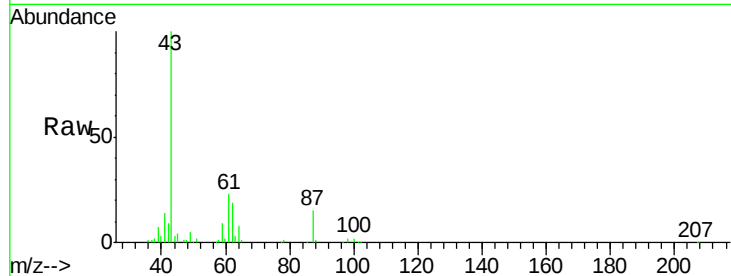
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	231816
Ion	Ratio	Lower	Upper
43	100		
61	34.0	27.1	40.7
87	15.2	12.3	18.5

Manual Integrations
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#44

Trichloroethene

Concen: 48.347 ug/l

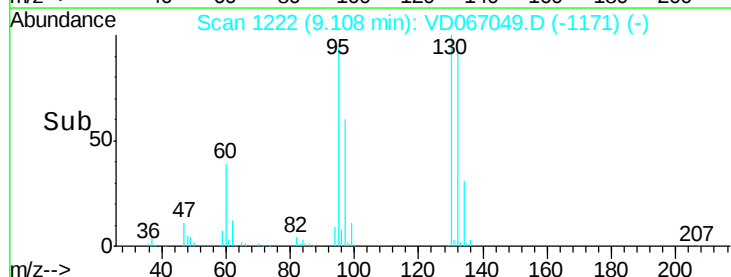
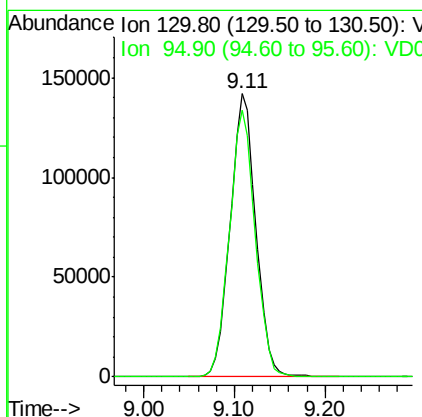
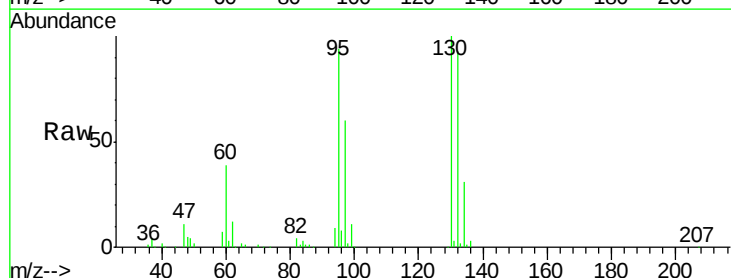
RT: 9.11 min Scan# 1222

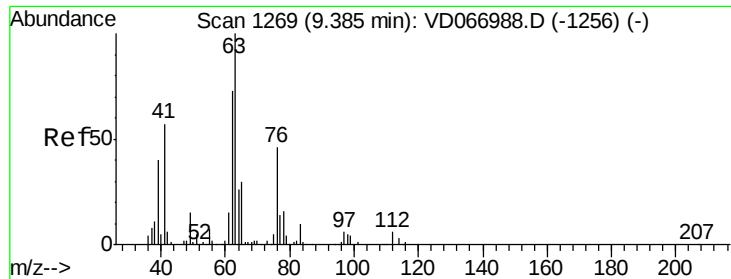
Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion:	130	Resp:	279767
Ion	Ratio	Lower	Upper
130	100		
95	94.4	0.0	187.8





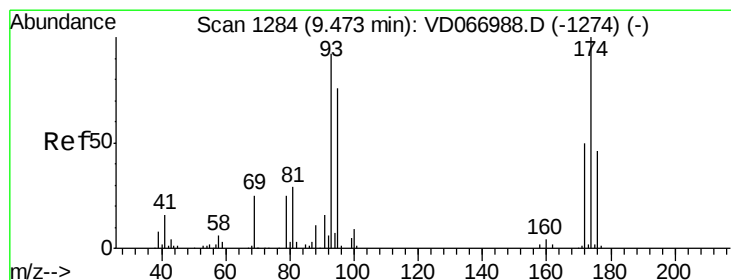
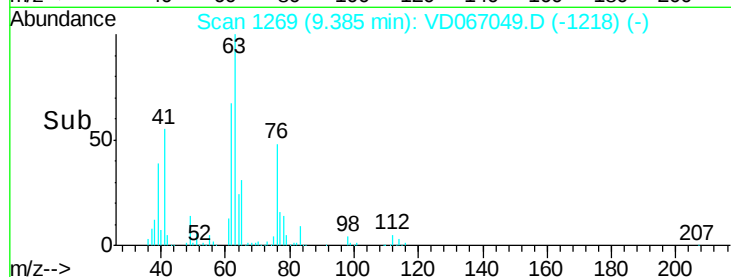
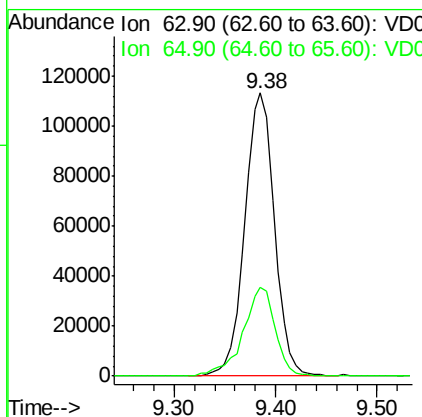
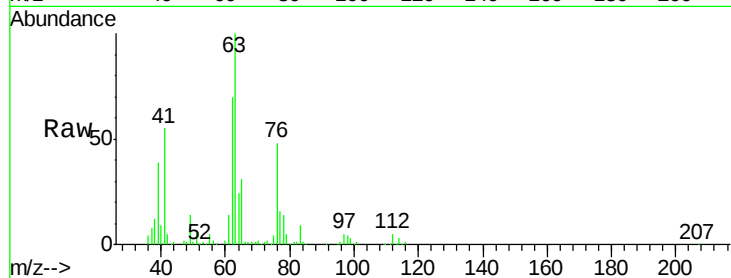
#45
 1,2-Dichloropropane
 Concen: 50.688 ug/l
 RT: 9.38 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	63	Resp	230793
Ion Ratio	Lower	Upper	
63	100		
65	31.1	23.7	35.5

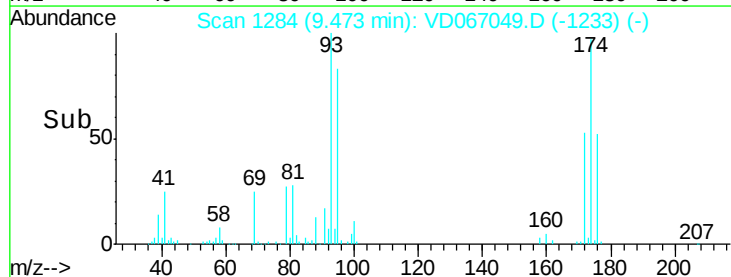
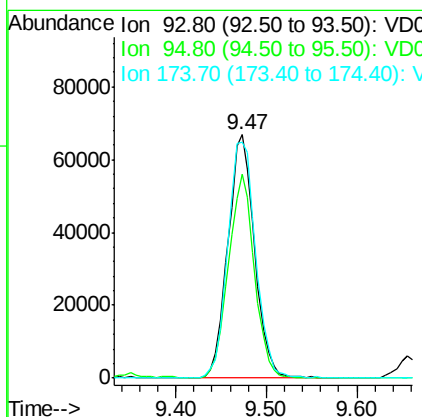
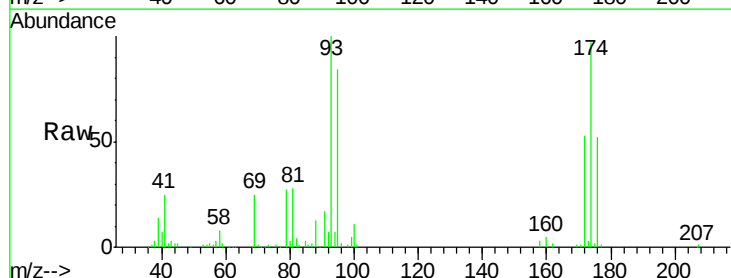
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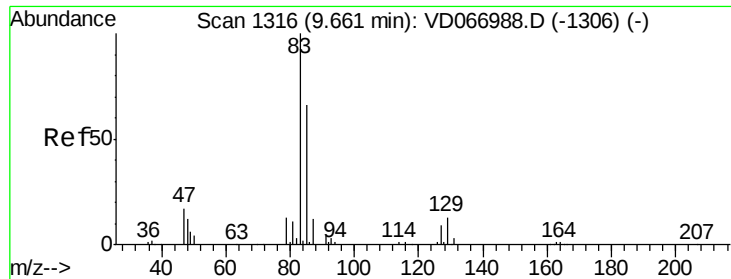
MMDadoda
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#46
 Dibromomethane
 Concen: 52.207 ug/l
 RT: 9.47 min Scan# 1284
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	93	Resp	136625
Ion Ratio	Lower	Upper	
93	100		
95	81.8	64.7	97.1
174	101.8	81.4	122.2





#47

Bromodichloromethane

Concen: 51.044 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

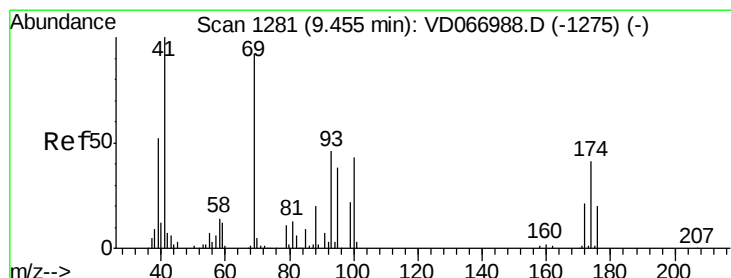
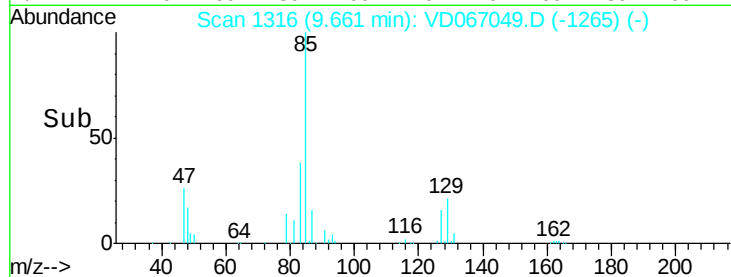
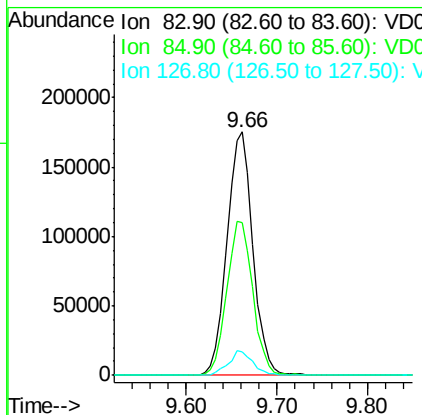
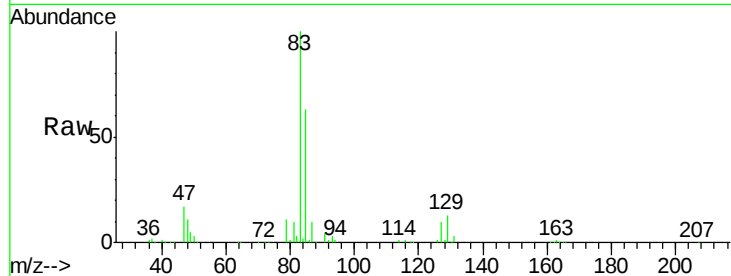
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	347234
Ion Ratio	Lower	Upper	
83	100		
85	63.0	52.9	79.3
127	9.8	7.3	10.9

Manual Integrations
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#48

Methyl methacrylate

Concen: 48.769 ug/l

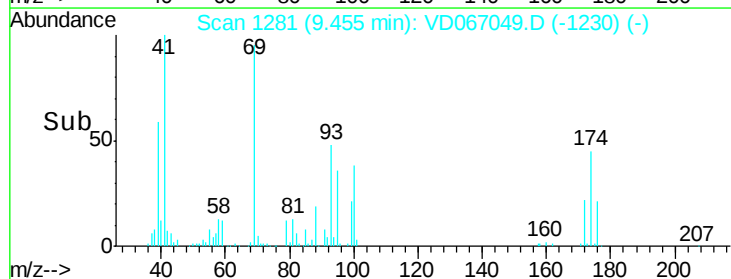
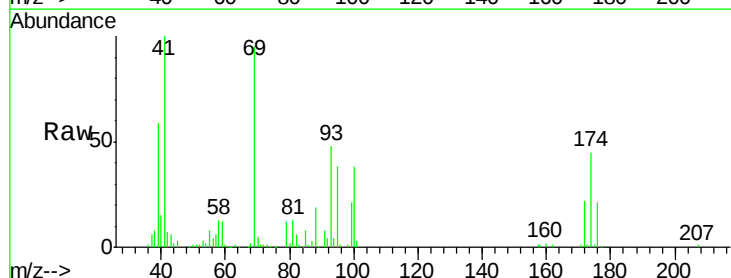
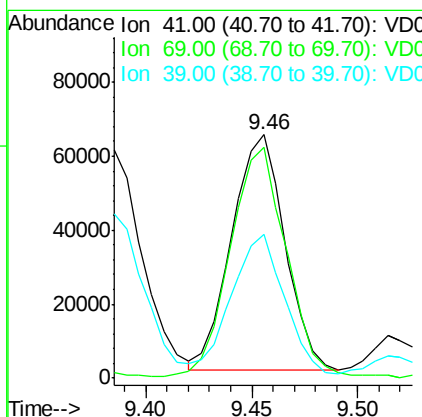
RT: 9.46 min Scan# 1281

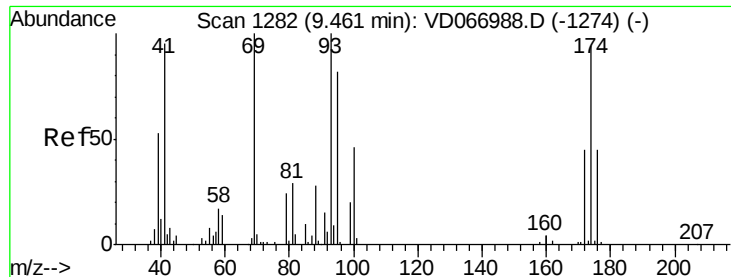
Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion:	41	Resp:	111248
Ion Ratio	Lower	Upper	
41	100		
69	104.8	68.5	102.7#
39	62.7	40.2	60.2#





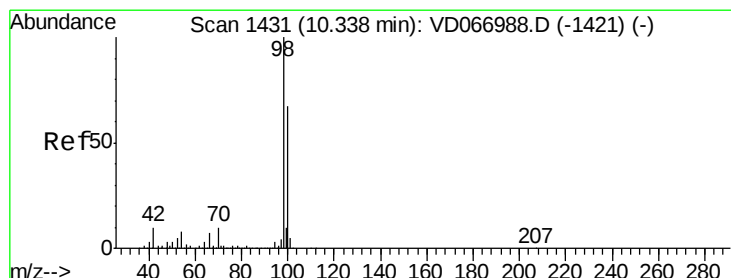
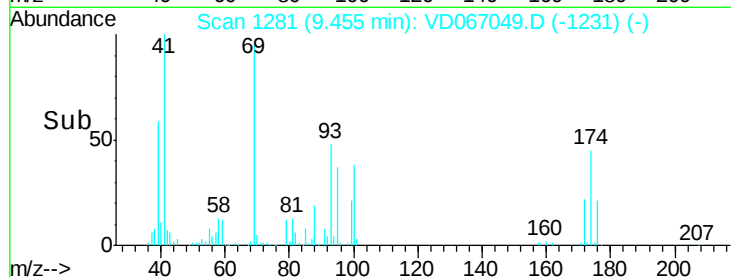
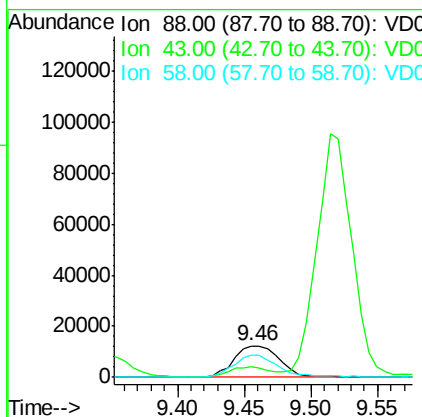
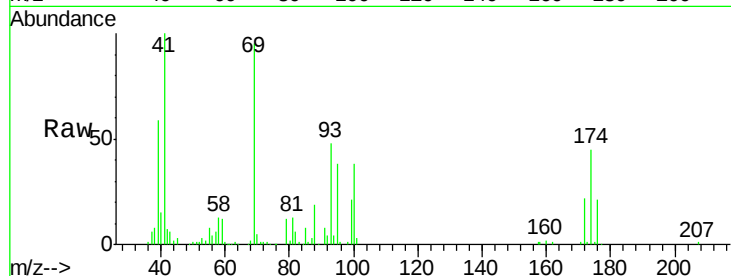
#49
1,4-Dioxane
Concen: 1073.674 ug/l
RT: 9.46 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	88	Resp	29325
Ion	Ratio	Lower	Upper
88	100		
43	29.8	25.6	38.4
58	71.6	53.5	80.3

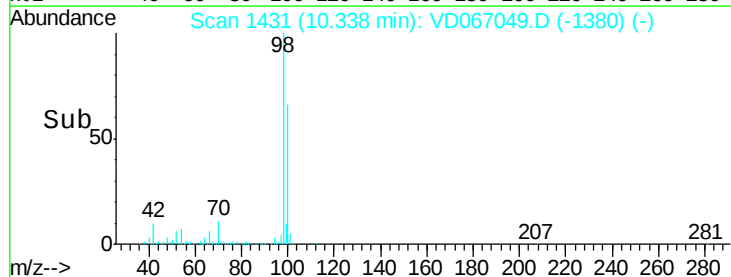
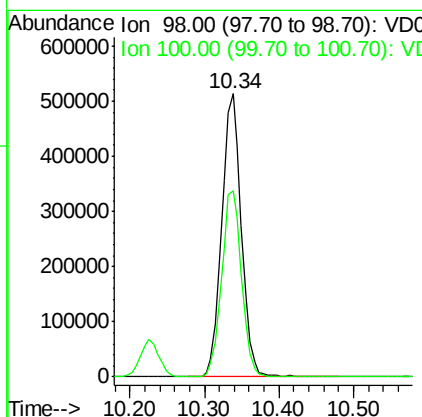
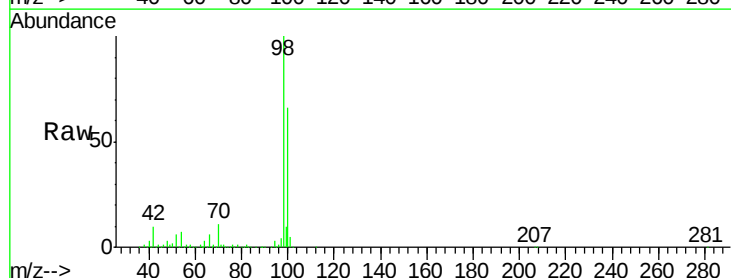
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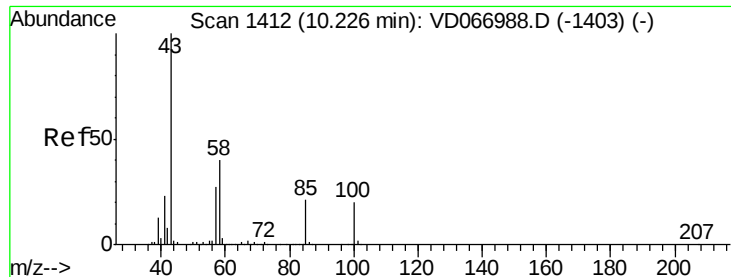
MMDadoda
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#50
Toluene-d8
Concen: 52.333 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	98	Resp	934454
Ion	Ratio	Lower	Upper
98	100		
100	67.3	52.8	79.2





#51

4-Methyl-2-Pentanone

Concen: 269.343 ug/l

RT: 10.23 min Scan# 1412

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 597353

Ion Ratio Lower Upper

43 100

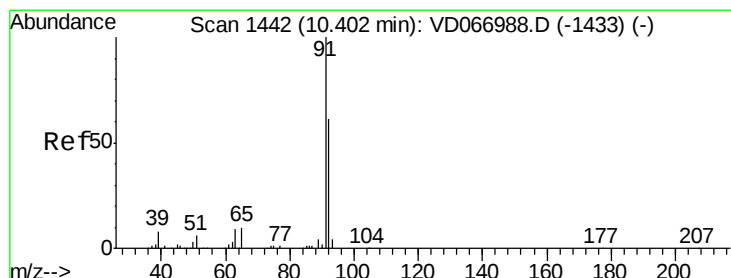
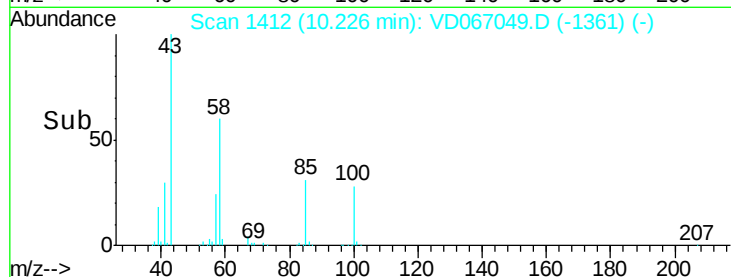
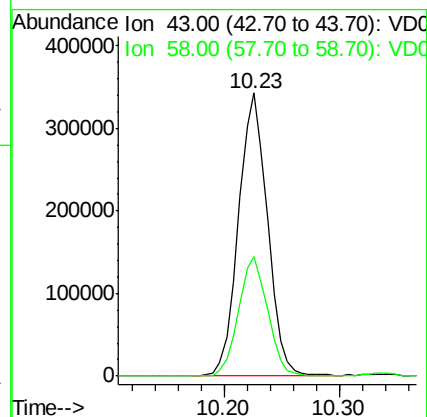
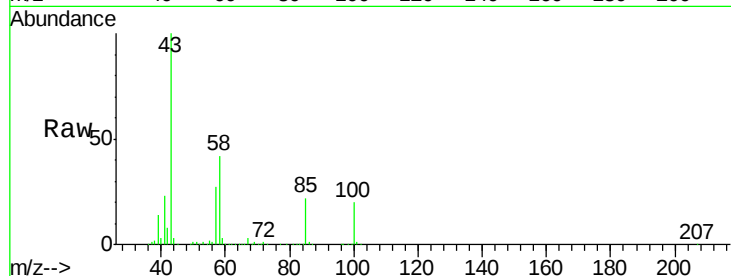
58 42.3 33.8 50.8

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#52

Toluene

Concen: 50.649 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. 0.00 min

Lab File: VD067049.D

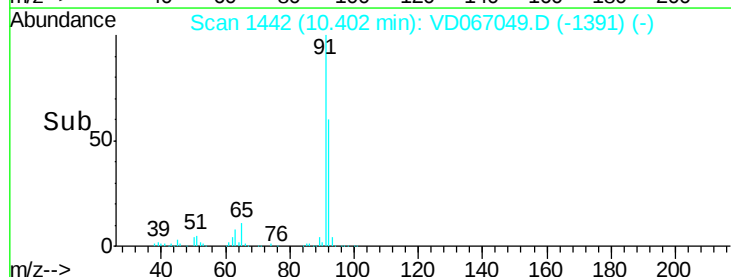
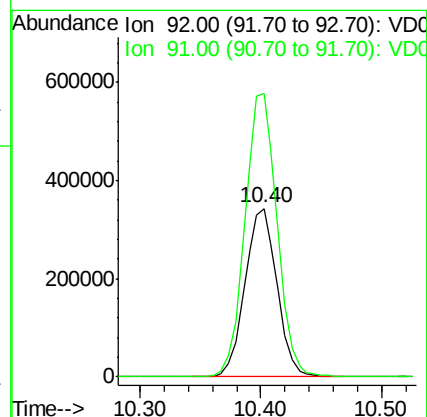
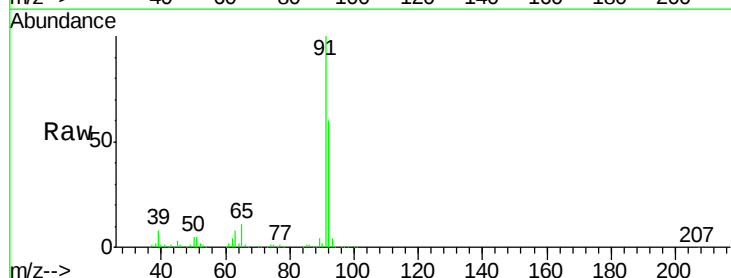
Acq: 02 Oct 2020 21:27

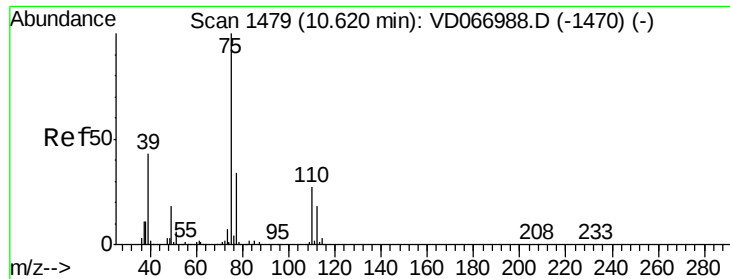
Tgt Ion: 92 Resp: 632259

Ion Ratio Lower Upper

92 100

91 169.0 135.1 202.7





#53

t-1,3-Dichloropropene

Concen: 50.985 ug/l

RT: 10.62 min Scan# 1479

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 309978

Ion Ratio Lower Upper

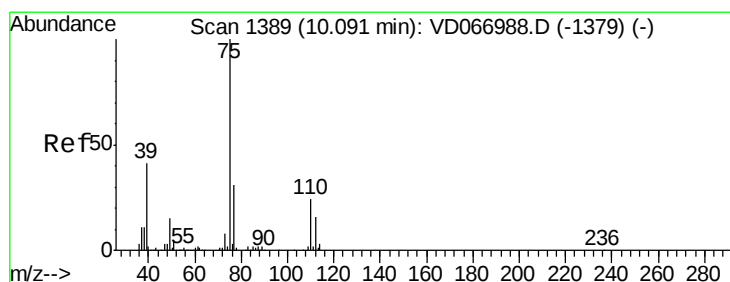
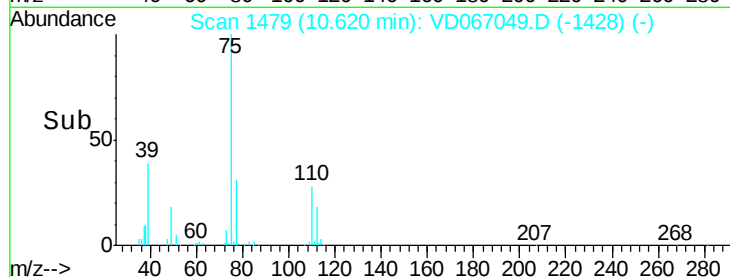
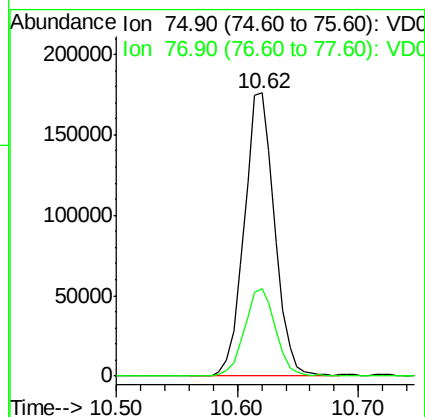
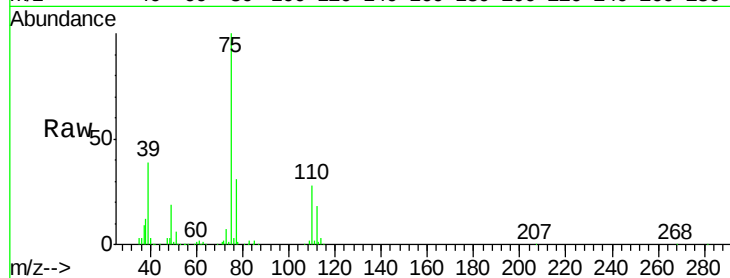
75 100

77 31.1 27.1 40.7

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#54

cis-1,3-Dichloropropene

Concen: 50.187 ug/l

RT: 10.08 min Scan# 1388

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

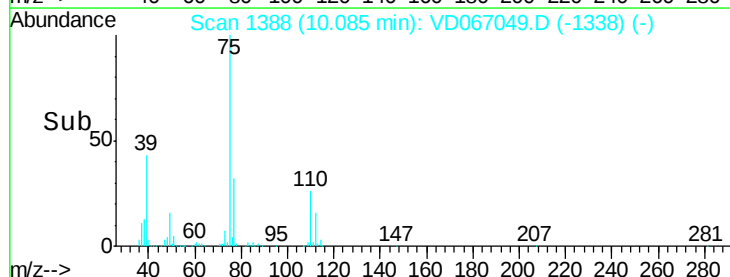
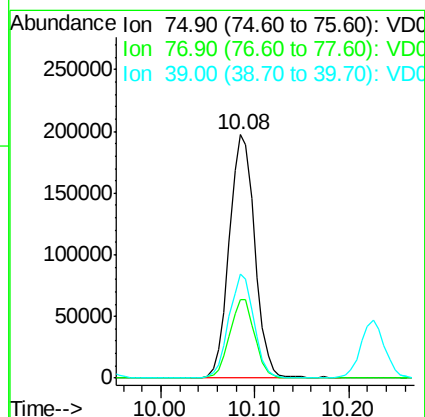
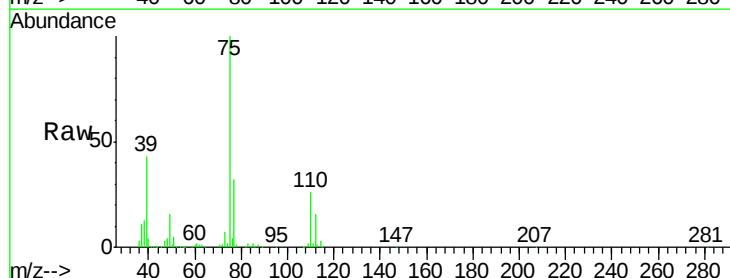
Tgt Ion: 75 Resp: 372594

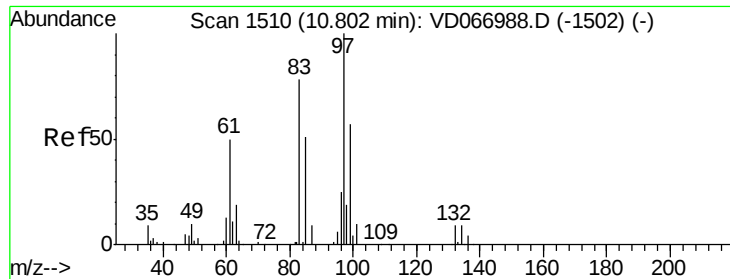
Ion Ratio Lower Upper

75 100

77 32.5 24.6 37.0

39 42.5 33.0 49.4





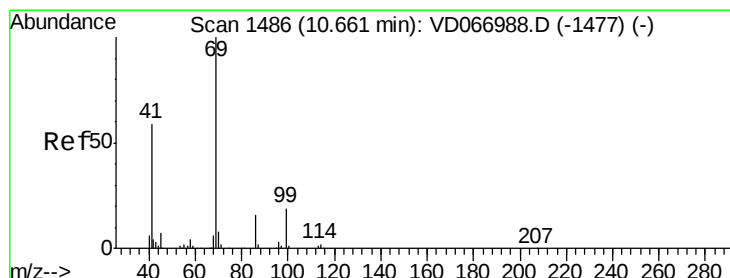
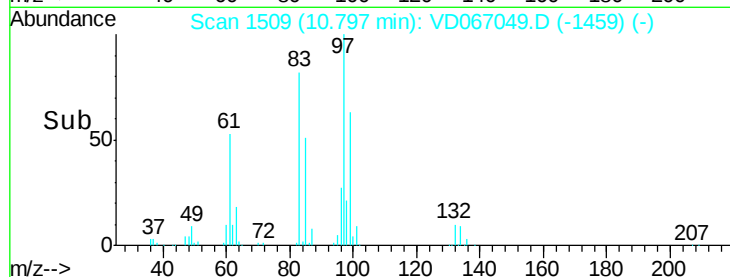
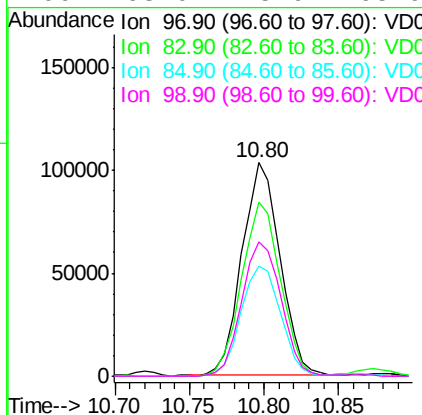
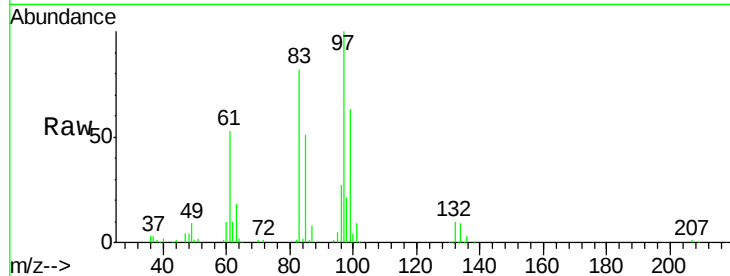
#55
 1,1,2-Trichloroethane
 Concen: 50.300 ug/l
 RT: 10.80 min Scan# 1509
 Delta R.T. -0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		183010		
83	82.1	62.4	93.6		
85	51.5	41.0	61.4		
99	63.0	45.9	68.9		

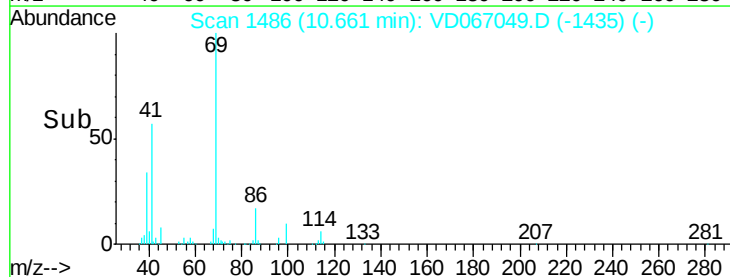
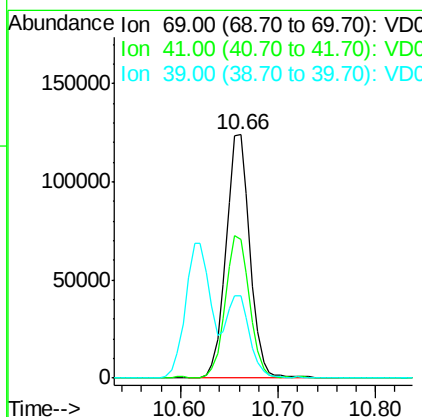
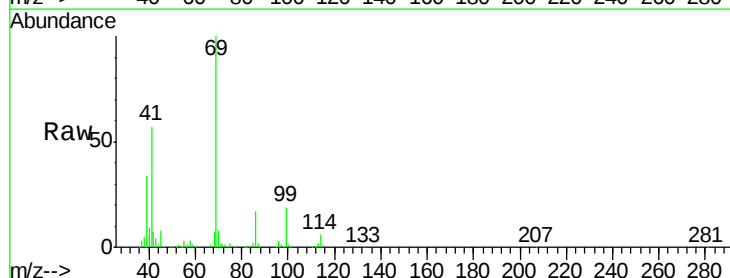
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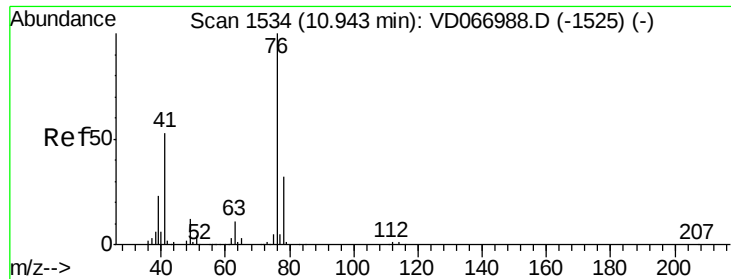
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#56
 Ethyl methacrylate
 Concen: 56.018 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		210424		
41	58.2	46.4	69.6		
39	33.7	23.8	35.6		





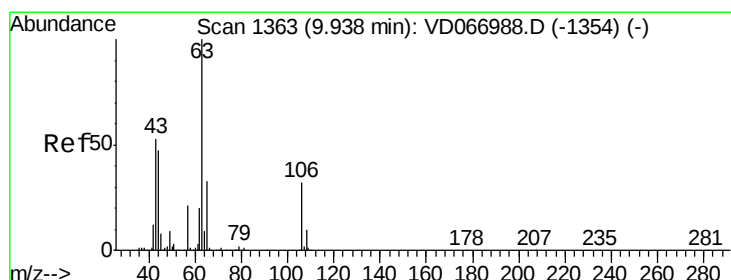
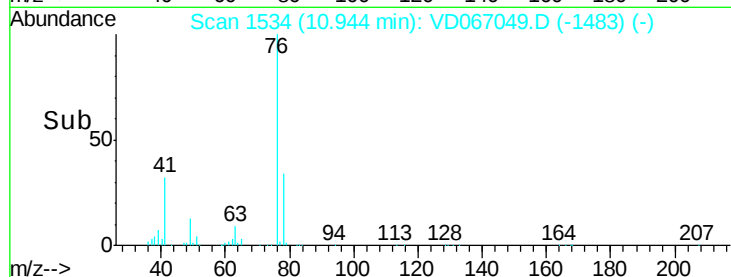
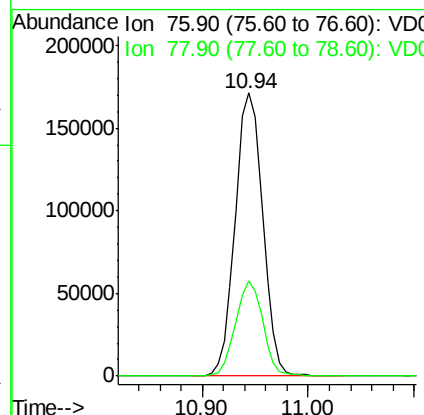
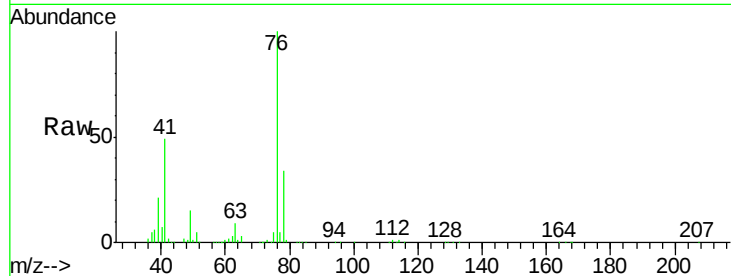
#57
 1,3-Dichloropropane
 Concen: 52.384 ug/l
 RT: 10.94 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.2	25.8	38.8

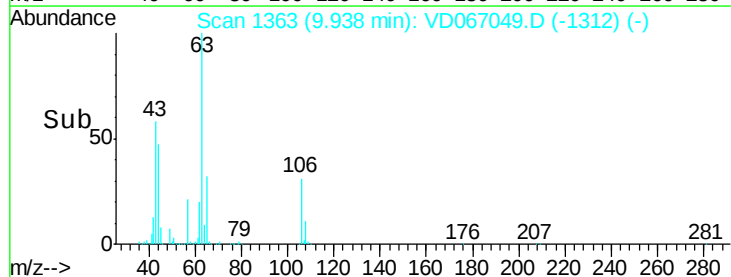
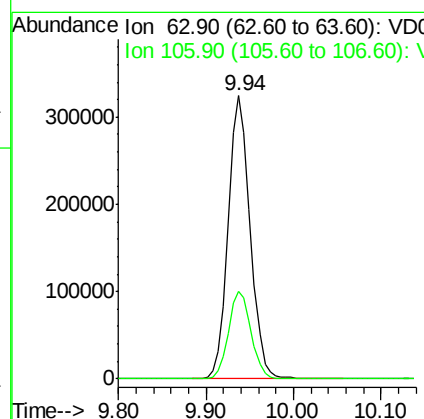
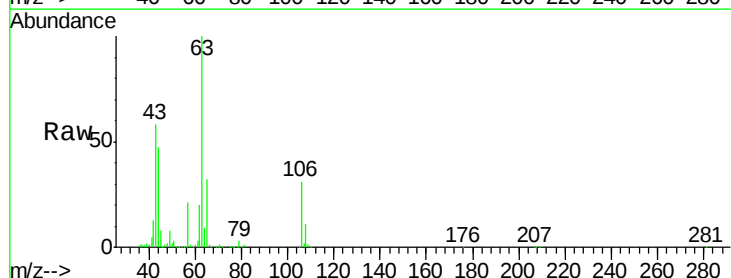
Manual Integrations
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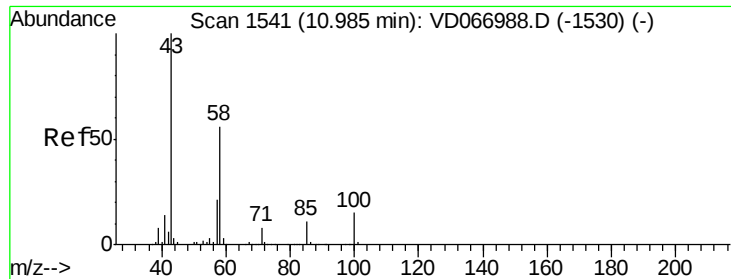
MMDadoda
 10/5/2020 5:34:31 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 268.208 ug/l
 RT: 9.94 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.8	25.3	37.9





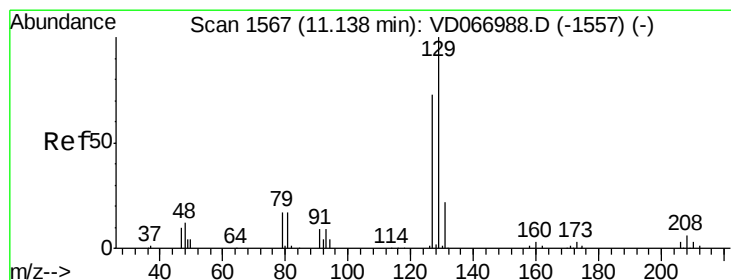
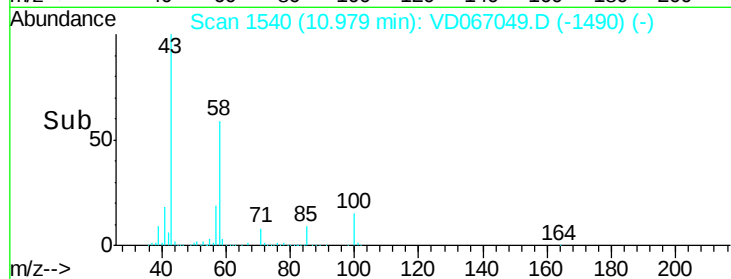
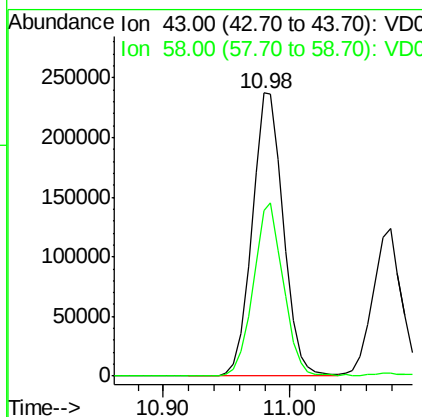
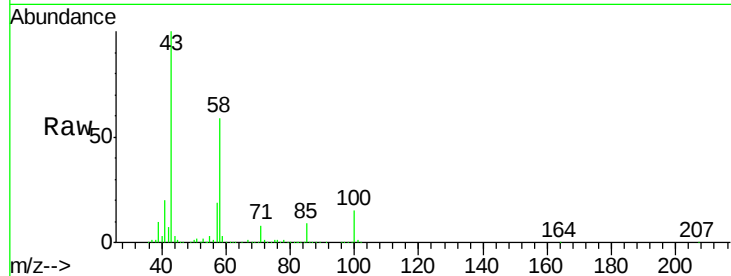
#59
2-Hexanone
Concen: 274.659 ug/l
RT: 10.98 min Scan# 1540
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	406568
Ion Ratio	100	Lower	Upper
43	100		
58	58.8	28.3	84.9

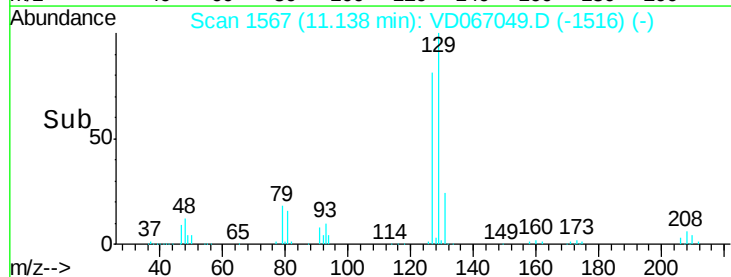
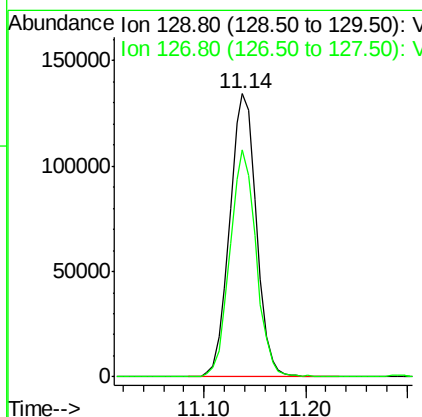
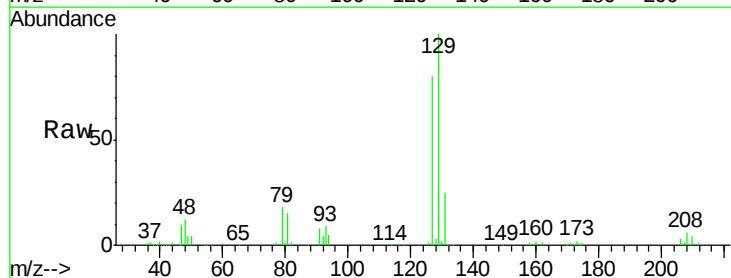
Manual Integrations
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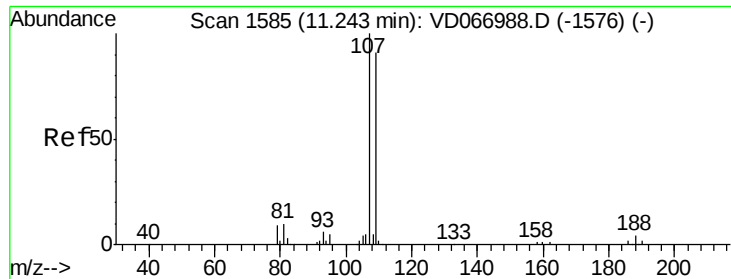
MMDadoda
10/5/2020 5:34:31 PM



#60
Dibromochloromethane
Concen: 50.528 ug/l
RT: 11.14 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	129	Resp	245029
Ion Ratio	100	Lower	Upper
129	100		
127	78.7	37.4	112.1





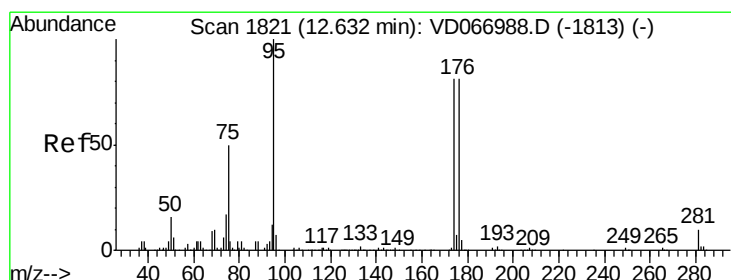
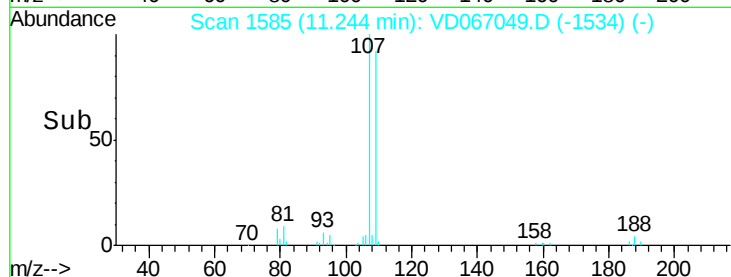
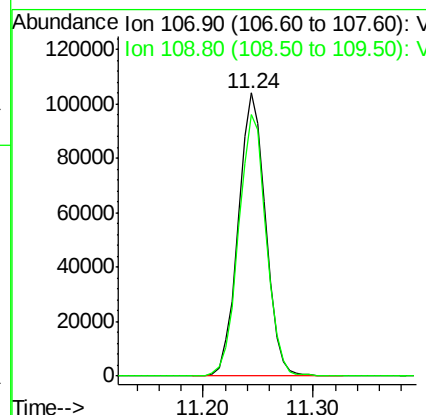
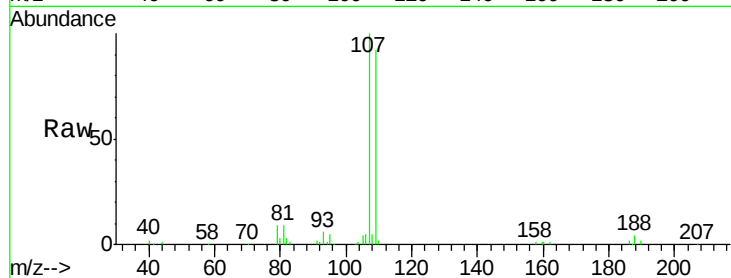
#61
 1,2-Dibromoethane
 Concen: 51.805 ug/l
 RT: 11.24 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	74.0	111.0

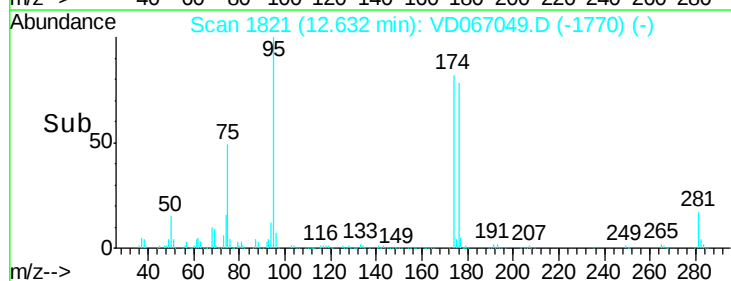
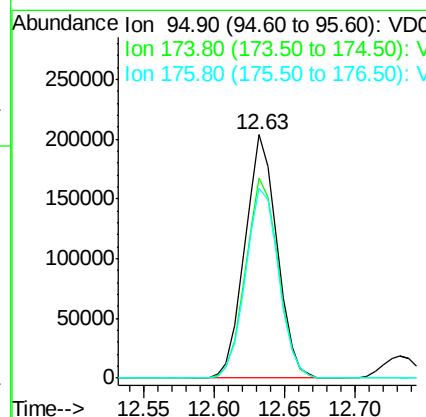
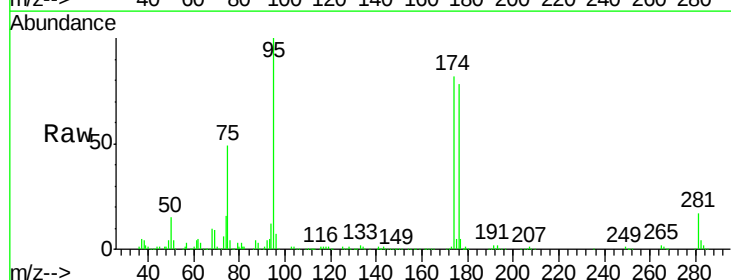
Manual Integrations
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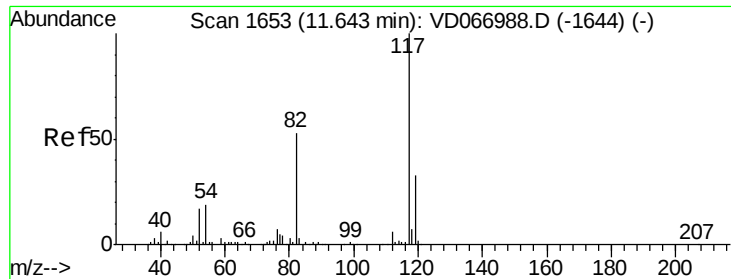
MMDadoda
 10/5/2020 5:34:31 PM



#62
 4-Bromofluorobenzene
 Concen: 53.622 ug/l
 RT: 12.63 min Scan# 1821
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	167.6
176	80.4	0.0	162.4





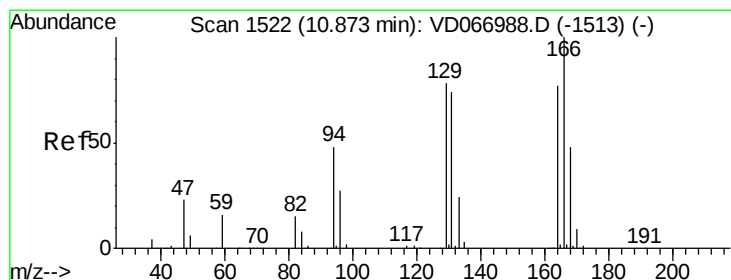
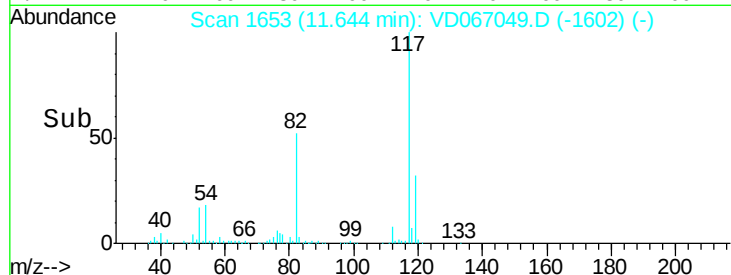
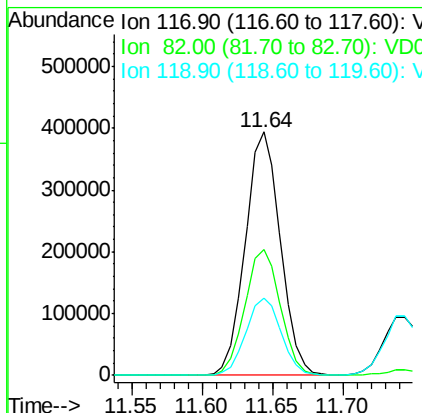
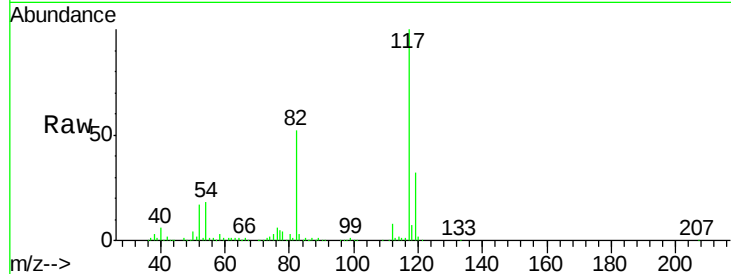
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	51.7	42.6	63.8
119	31.6	26.3	39.5

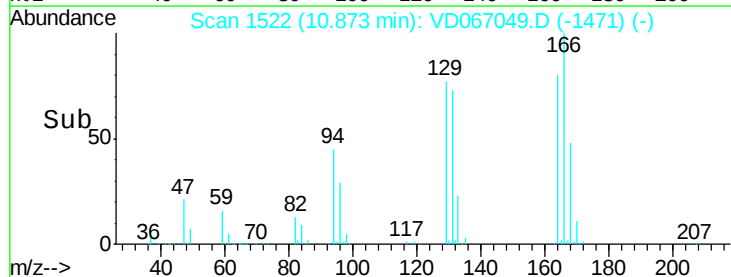
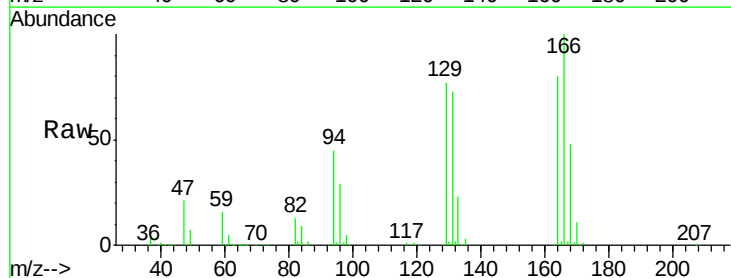
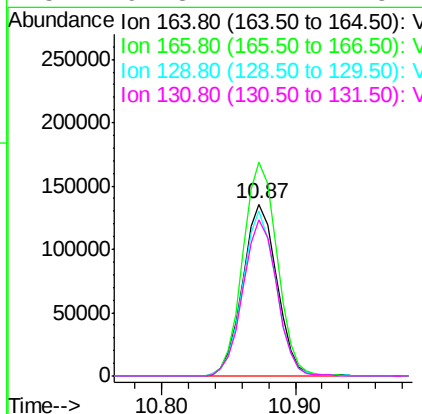
Manual Integrations
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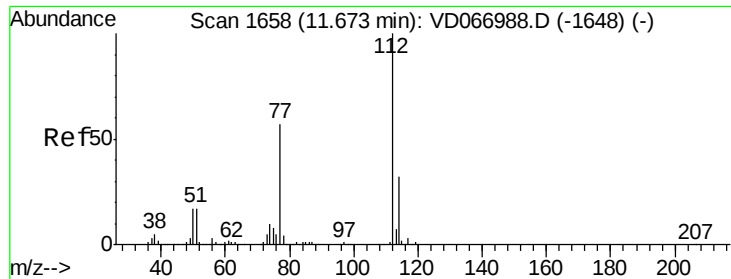
MMDadoda
10/5/2020 5:34:31 PM



#64
Tetrachloroethene
Concen: 48.015 ug/l
RT: 10.87 min Scan# 1522
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.3	104.4	156.6
129	96.2	81.3	121.9
131	91.3	77.1	115.7





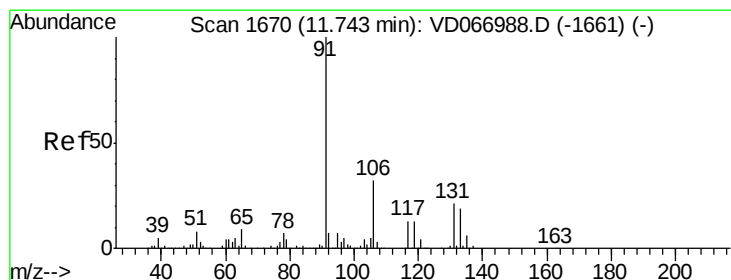
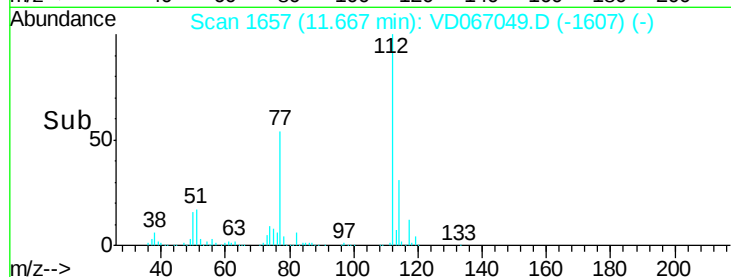
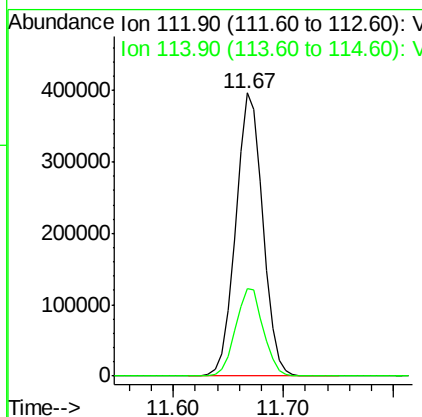
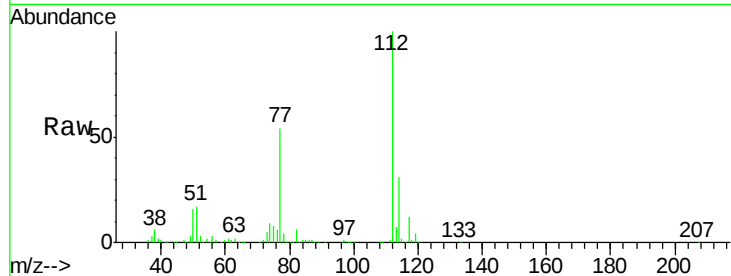
#65
Chlorobenzene
Concen: 49.981 ug/l
RT: 11.67 min Scan# 1657
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.4	38.0

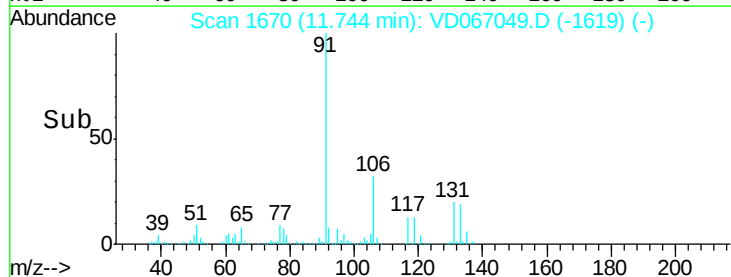
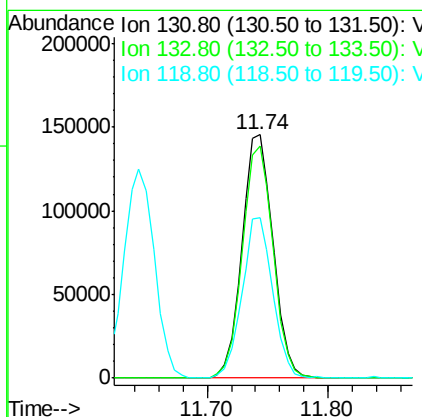
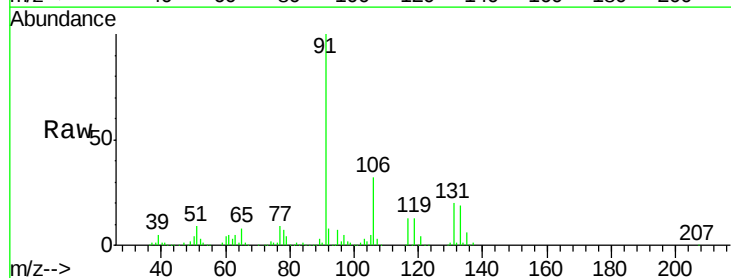
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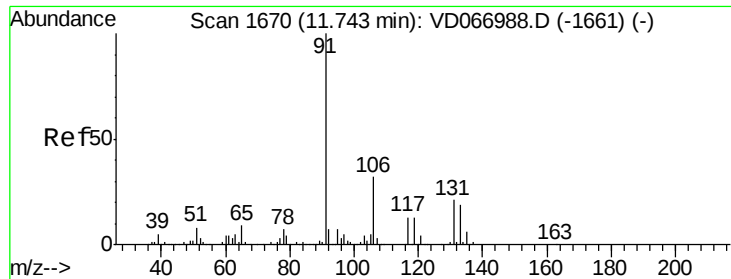
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.318 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	47.8	143.3
119	65.0	32.3	96.8





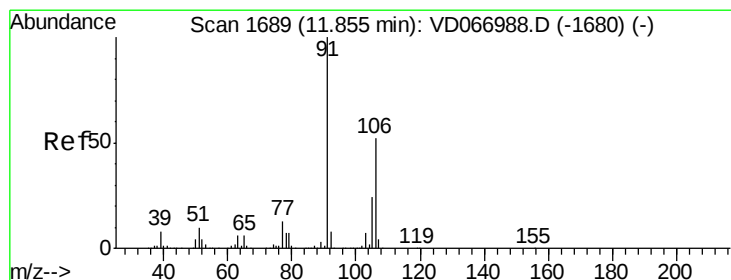
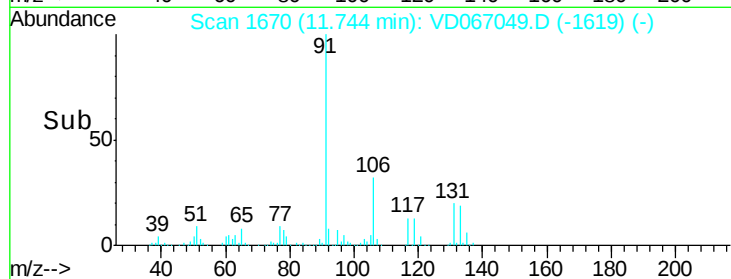
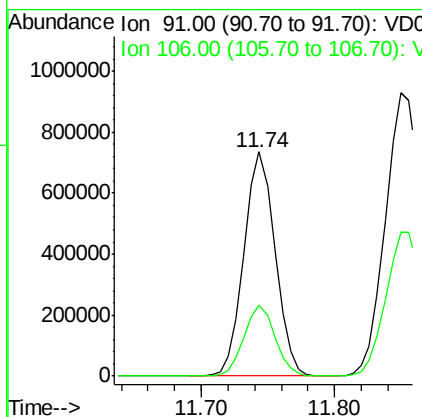
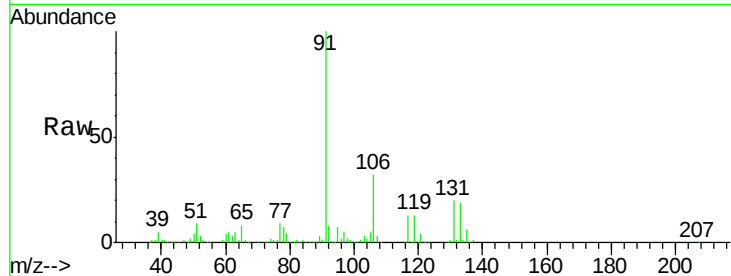
#67
Ethyl Benzene
Concen: 50.864 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1190306
Ion Ratio Lower Upper
91 100
106 31.6 25.4 38.2

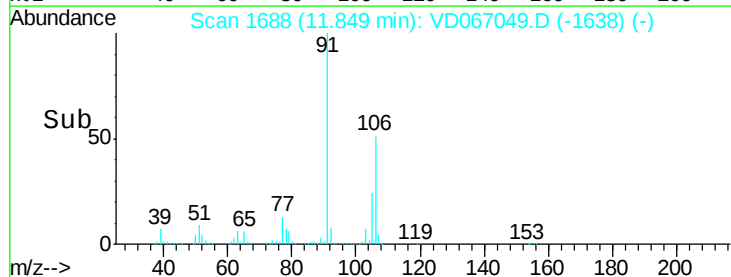
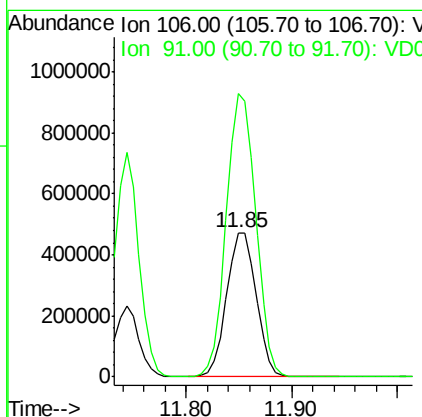
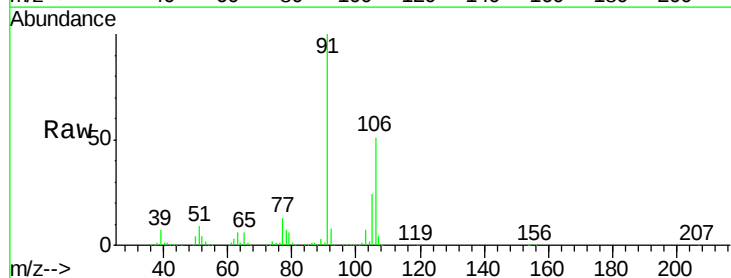
Manual Integrations
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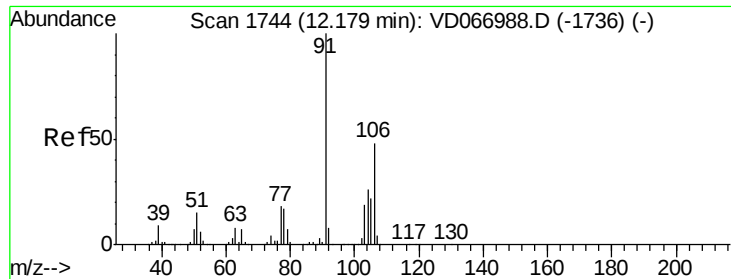
MMDadoda
10/5/2020 5:34:31 PM



#68
m/p-Xylenes
Concen: 100.219 ug/l
RT: 11.85 min Scan# 1688
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 106 Resp: 913991
Ion Ratio Lower Upper
106 100
91 196.2 158.4 237.6





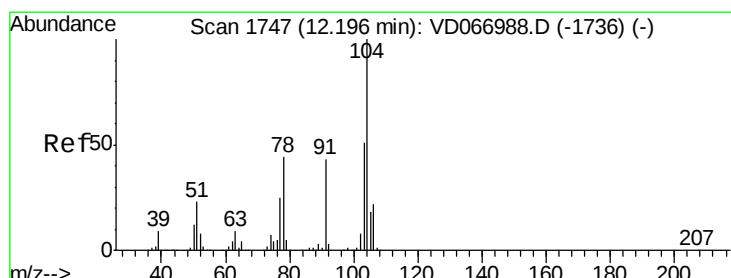
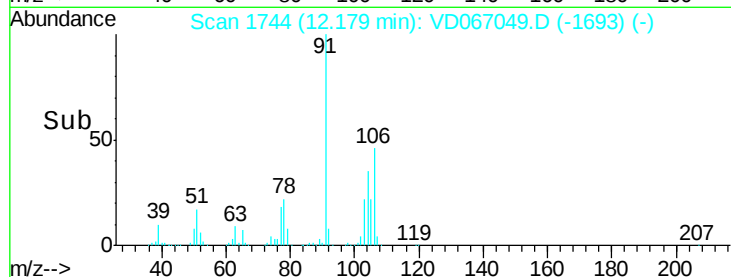
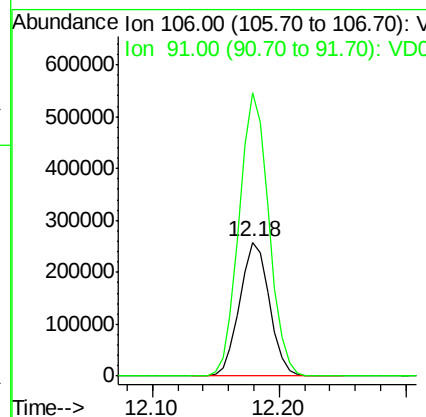
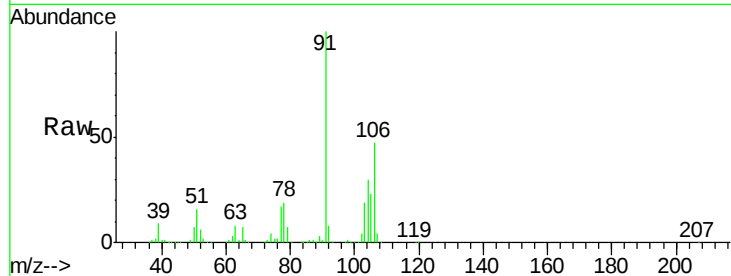
#69
o-Xylene
Concen: 51.302 ug/l
RT: 12.18 min Scan# 1744
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	418399		
91	91	211.2	102.4	307.2	

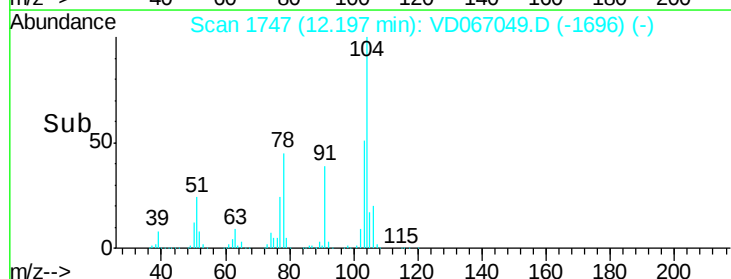
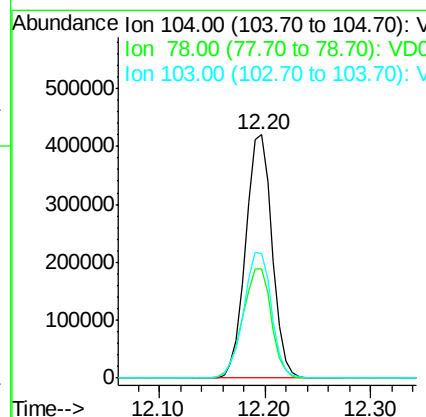
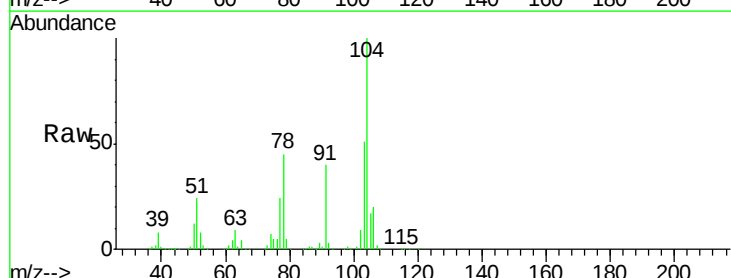
Manual Integrations
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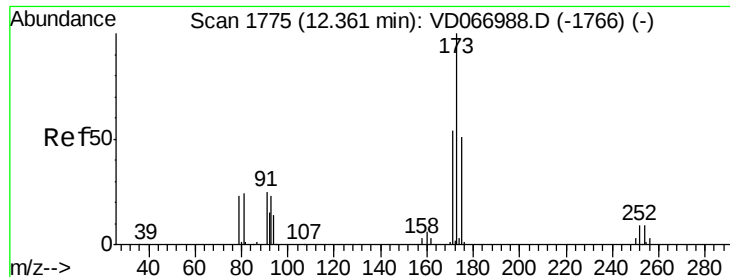
MMDadoda
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#70
Styrene
Concen: 52.034 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	728705		
78	78	48.6	38.6	58.0	
103	103	54.6	43.4	65.0	





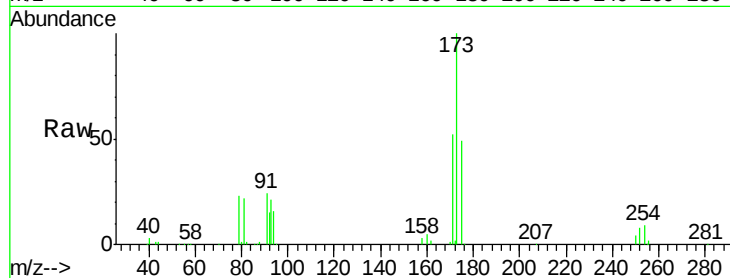
#71
Bromoform
Concen: 51.522 ug/l
RT: 12.36 min Scan# 1775
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

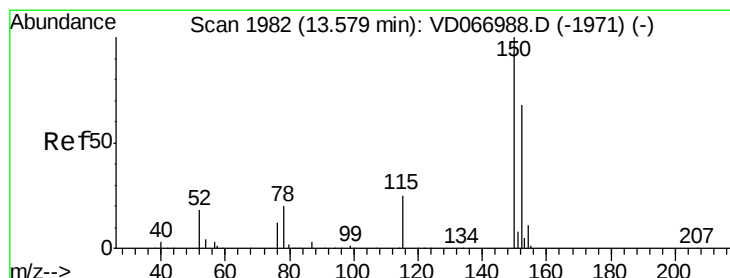
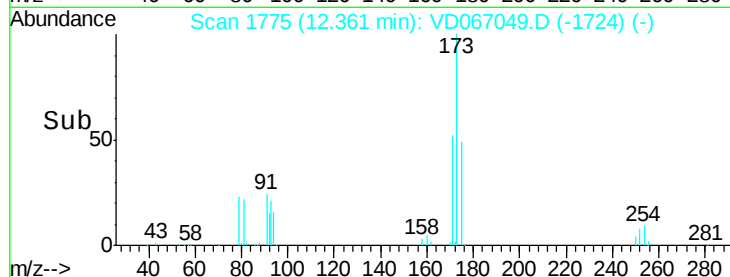
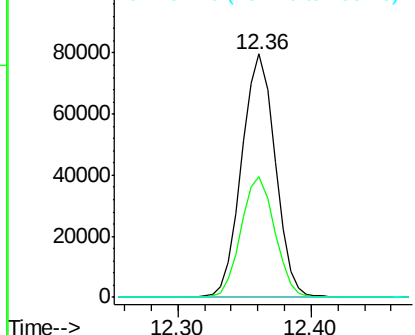
Tot Ion	Ratio	Lower	Upper
173	100		
175	49.9	24.9	74.7
254	0.0	0.2	0.4

Manual Integrations
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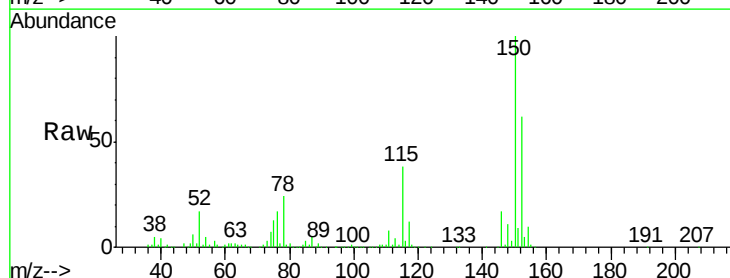


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

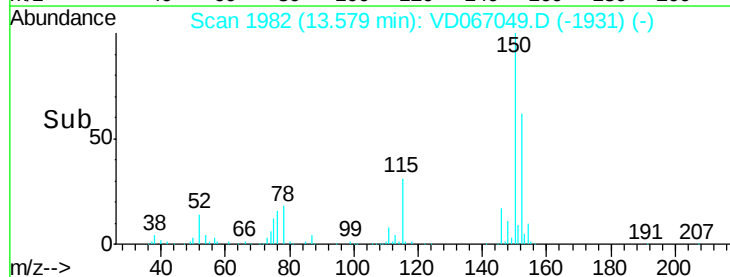
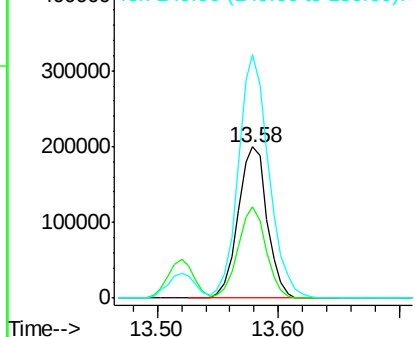


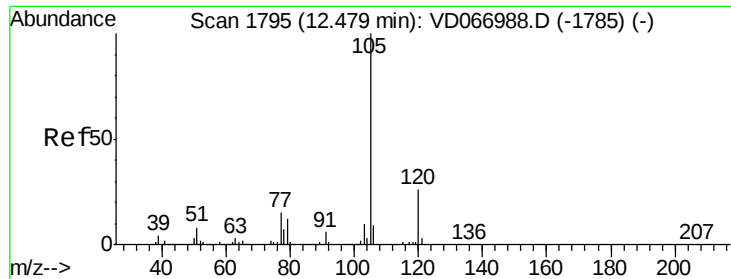
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	29.6	88.8
150	168.9	0.0	344.8



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





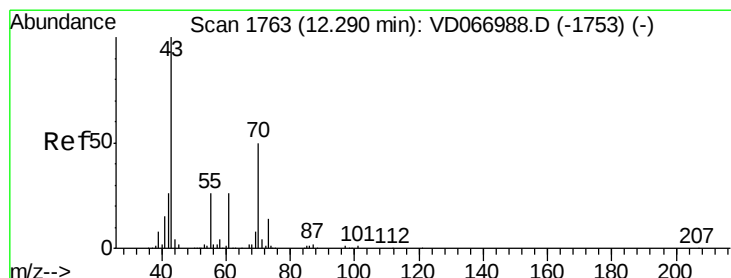
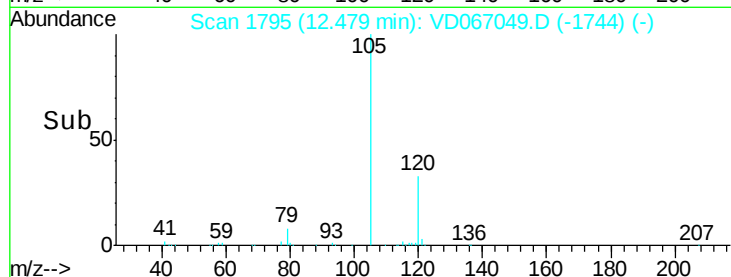
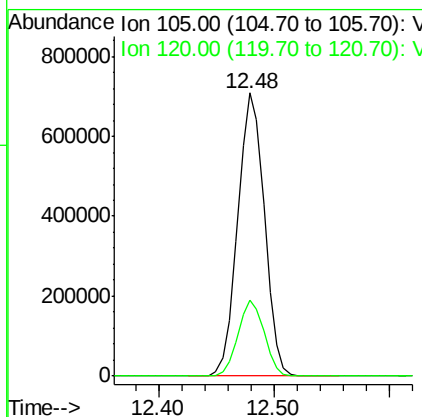
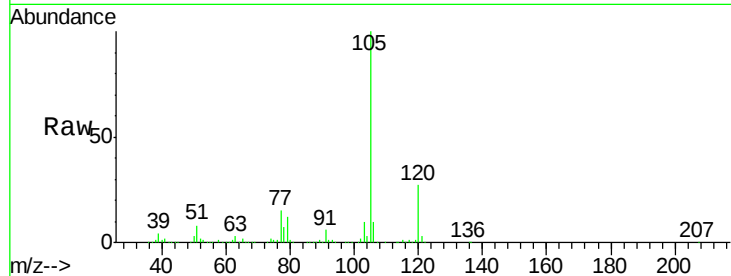
#73
Isopropylbenzene
Concen: 49.927 ug/l
RT: 12.48 min Scan# 1795
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1132505
Ion Ratio Lower Upper
105 100
120 26.6 13.3 39.9

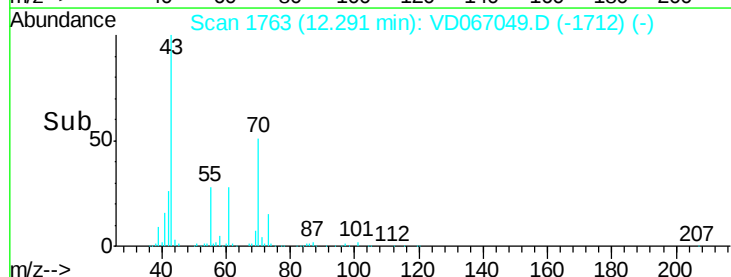
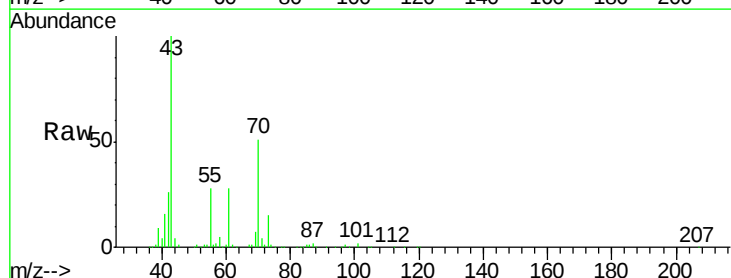
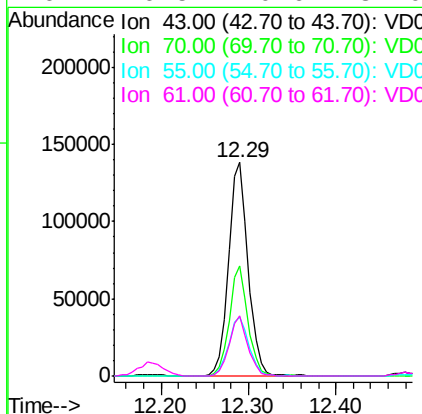
Manual Integrations
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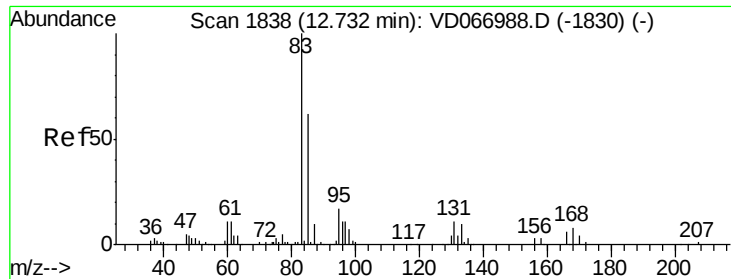
MMDadoda
10/5/2020 5:34:31 PM



#74
N-ethyl acetate
Concen: 51.812 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 43 Resp: 211270
Ion Ratio Lower Upper
43 100
70 48.4 38.2 57.2
55 28.5 22.4 33.6
61 26.5 20.6 31.0





#75

1,1,2,2-Tetrachloroethane

Concen: 49.240 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

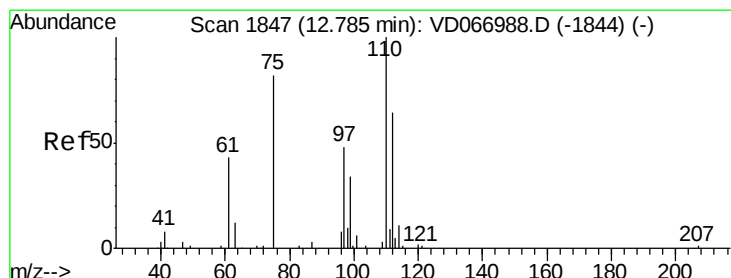
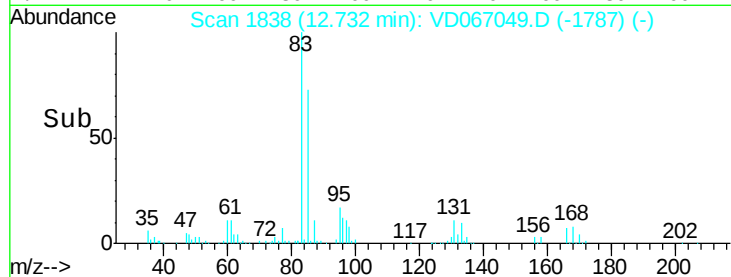
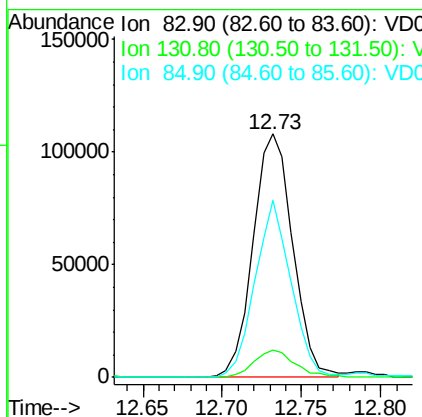
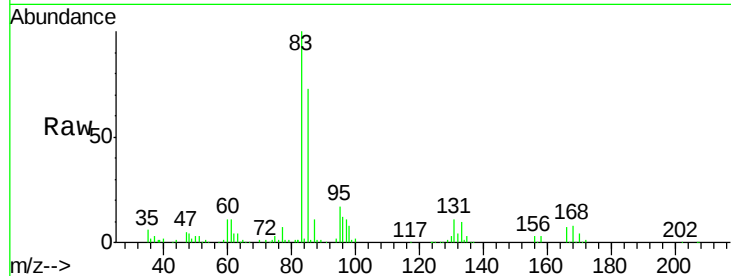
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	188186
Ion Ratio	Lower	Upper	
83	100		
131	11.6	5.7	17.0
85	66.1	32.0	96.2

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 43.017 ug/l m

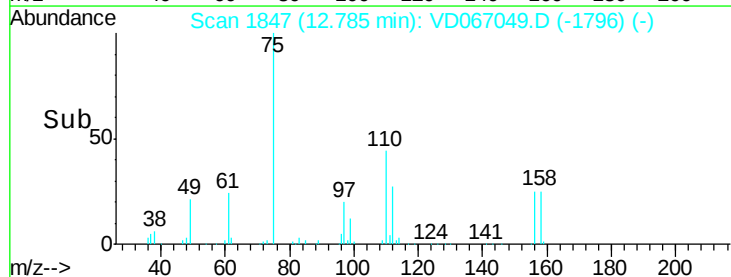
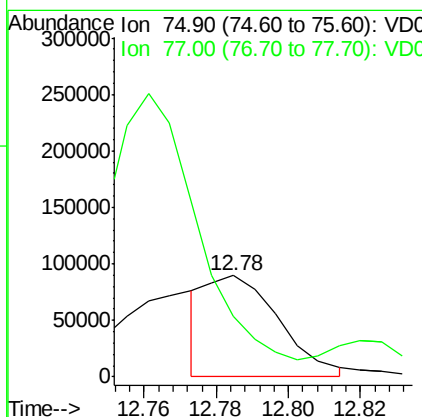
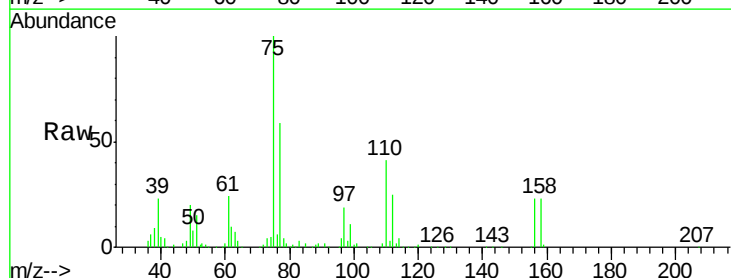
RT: 12.78 min Scan# 1847

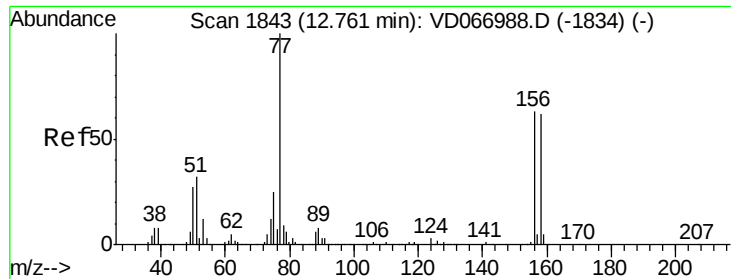
Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion:	75	Resp:	125168
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.076 ug/l

RT: 12.76 min Scan# 1843

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

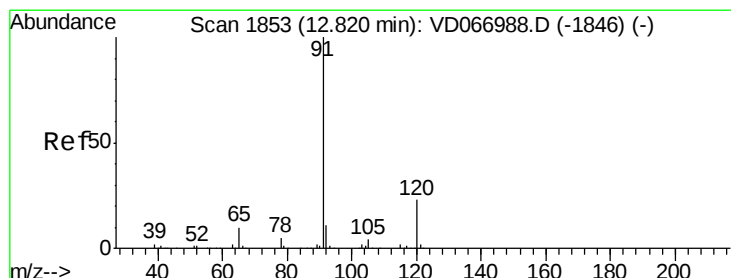
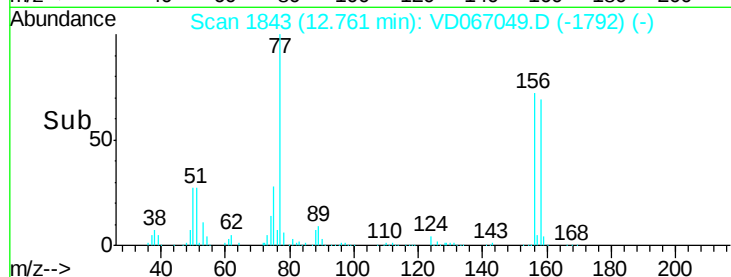
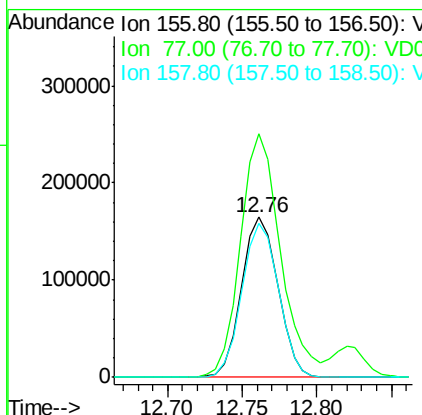
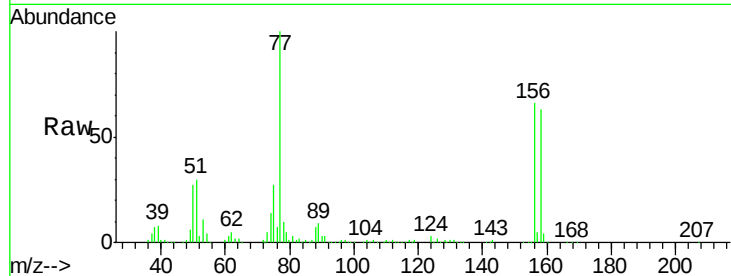
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	279751
Ion Ratio	Lower	Upper	
156	100		
77	167.2	86.3	258.8
158	96.7	49.5	148.3

Manual Integrations
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#78

n-propylbenzene

Concen: 49.436 ug/l

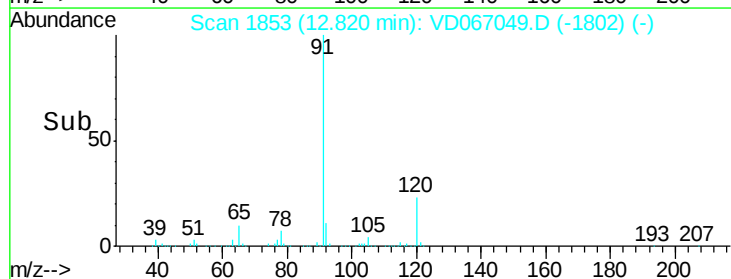
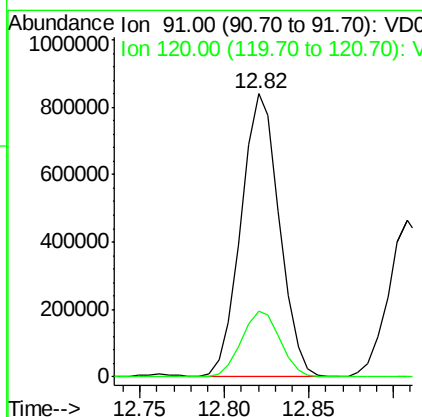
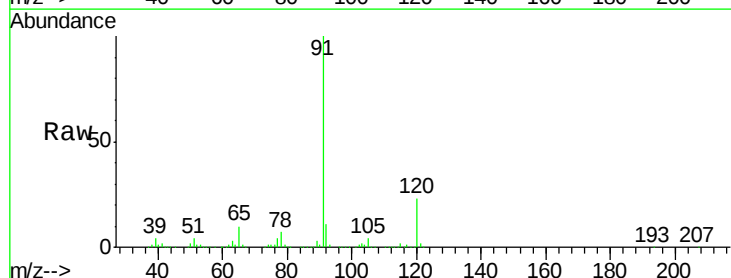
RT: 12.82 min Scan# 1853

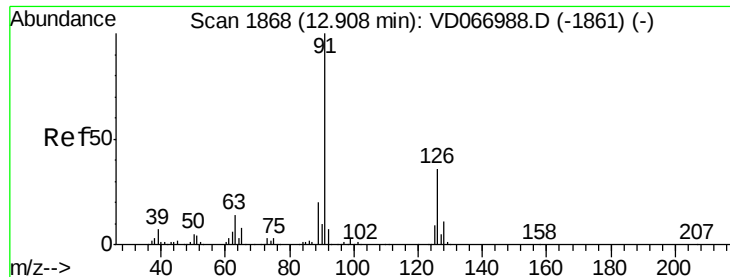
Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion:	91	Resp:	1325255
Ion Ratio	Lower	Upper	
91	100		
120	23.6	11.6	34.8





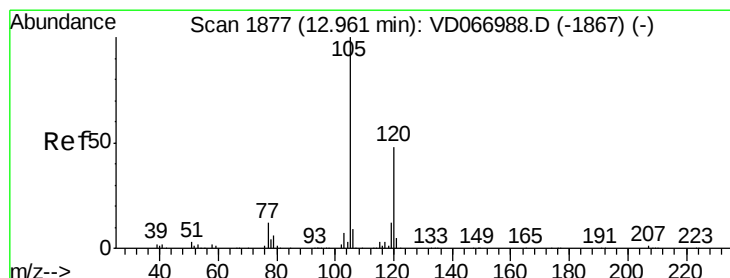
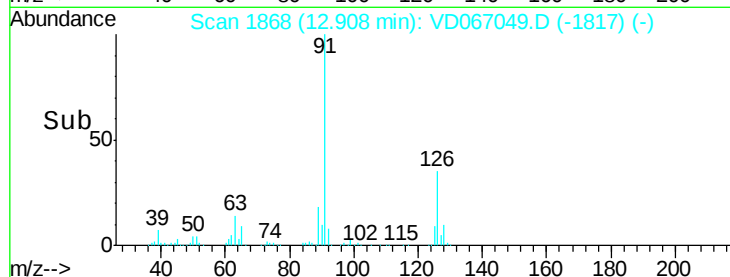
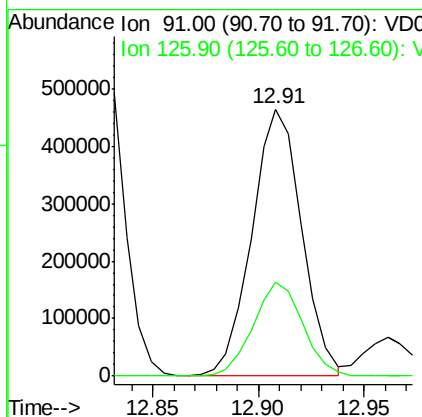
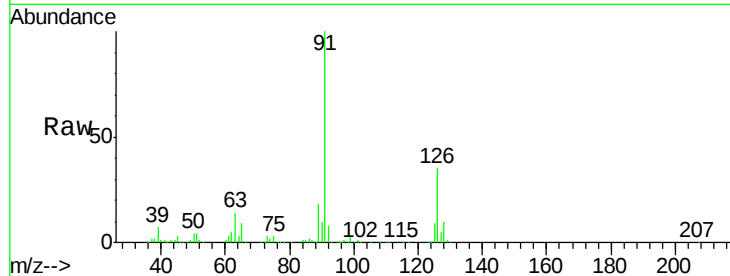
#79
2-Chlorotoluene
Concen: 49.458 ug/l
RT: 12.91 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 758582
Ion Ratio Lower Upper
91 100
126 35.5 17.5 52.6

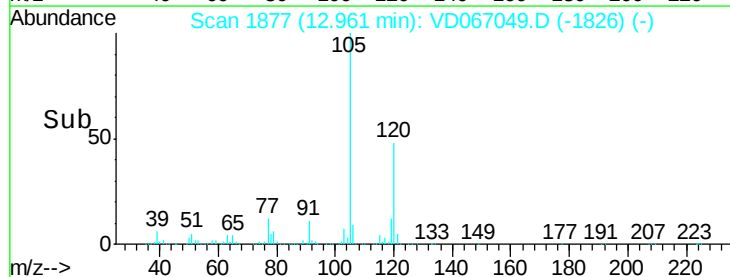
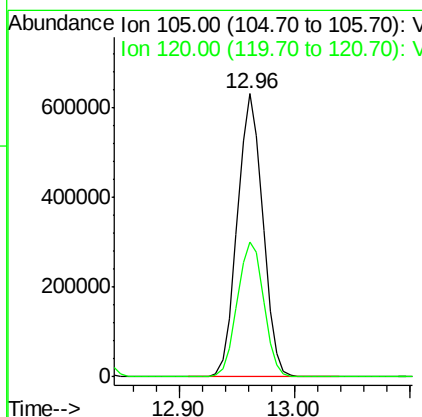
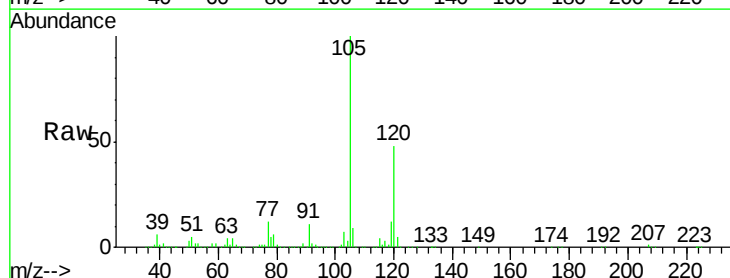
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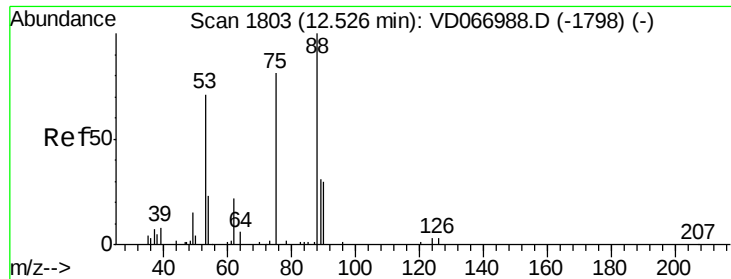
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#80
1,3,5-Trimethylbenzene
Concen: 50.401 ug/l
RT: 12.96 min Scan# 1877
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion: 105 Resp: 965904
Ion Ratio Lower Upper
105 100
120 49.3 24.6 74.0





#81

trans-1,4-Dichloro-2-butene

Concen: 49.842 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

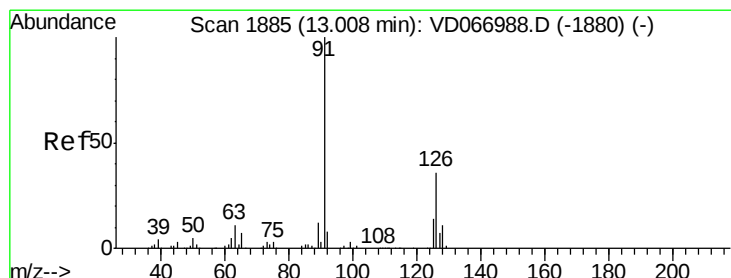
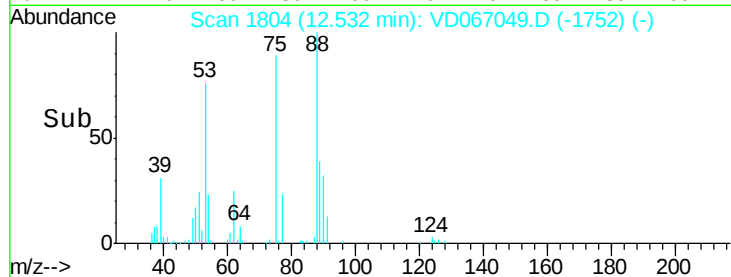
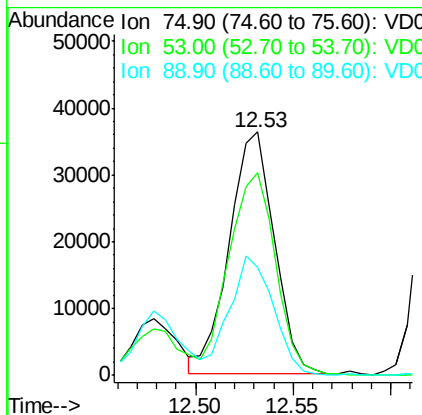
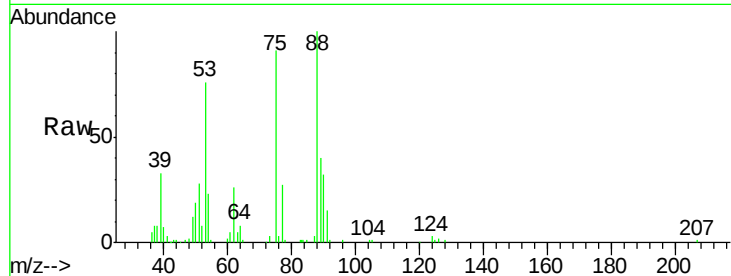
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	58171
Ion	Ratio	Lower	Upper
75	100		
53	86.6	73.8	110.6
89	48.2	38.9	58.3

Manual Integrations
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#82

4-Chlorotoluene

Concen: 48.582 ug/l

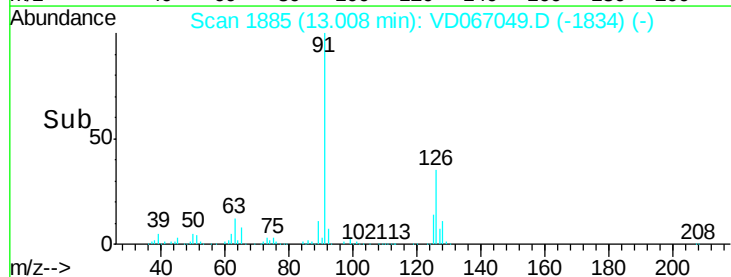
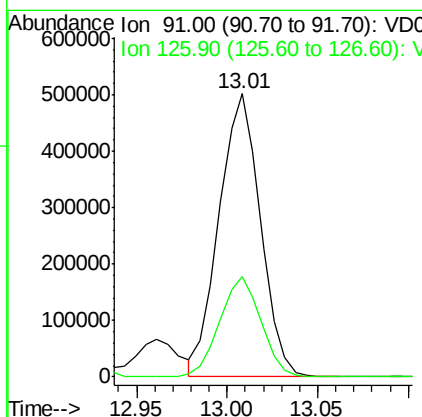
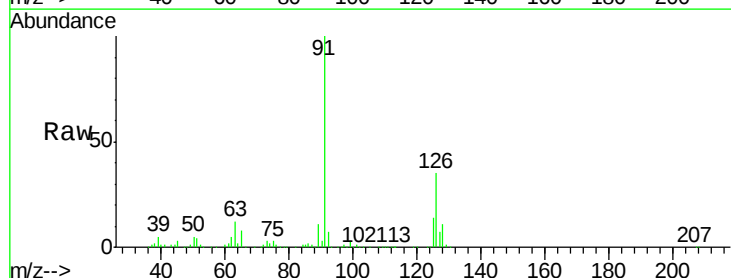
RT: 13.01 min Scan# 1885

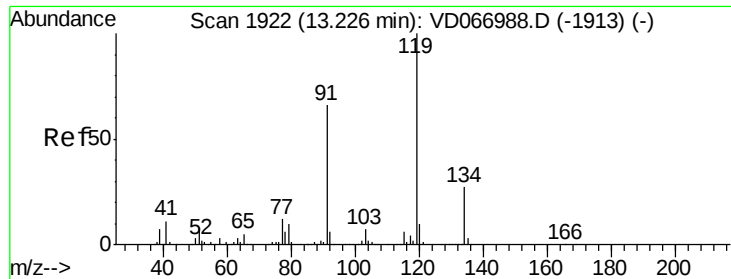
Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Tgt Ion:	91	Resp:	792783
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.5	52.5





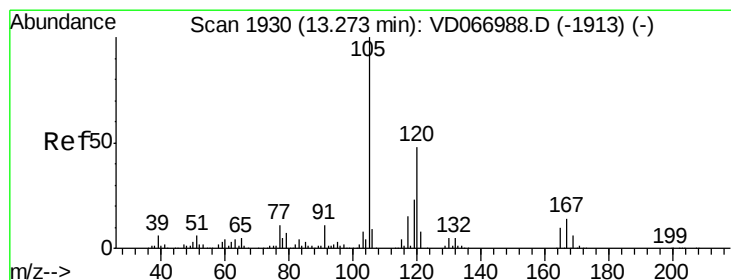
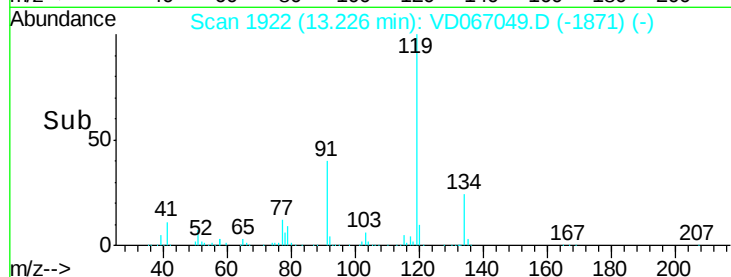
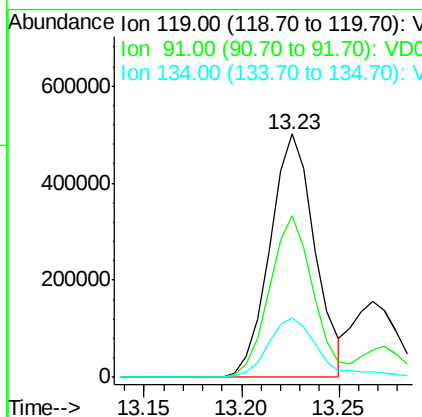
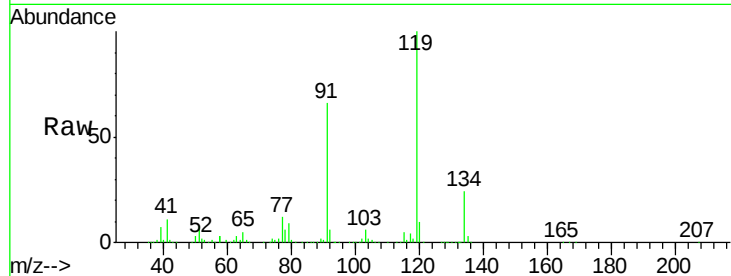
#83
tert-Butylbenzene
Concen: 49.640 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	801103		
91	65.1	32.8	98.3	
134	27.5	13.9	41.7	

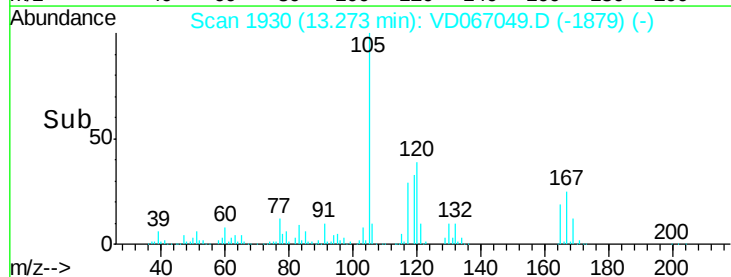
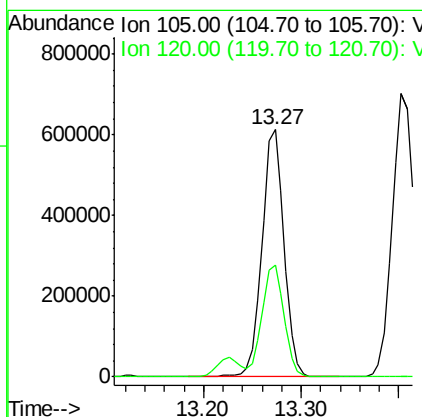
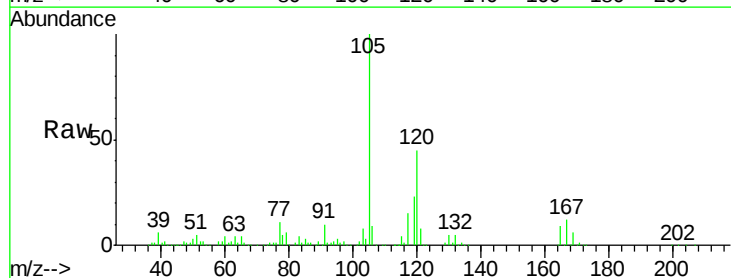
Manual Integrations
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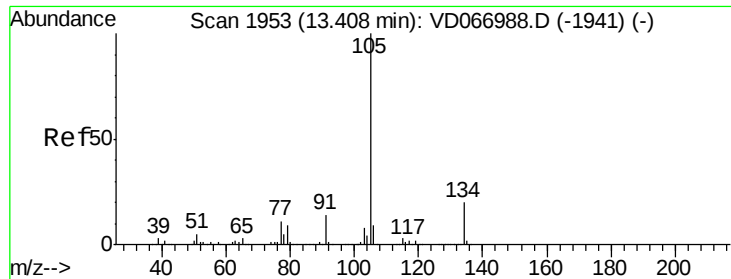
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#84
1,2,4-Trimethylbenzene
Concen: 50.893 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	973350		
120	45.3	23.3	69.8	





#85

sec-Butylbenzene

Concen: 49.013 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1113925

Ion Ratio Lower Upper

105 100

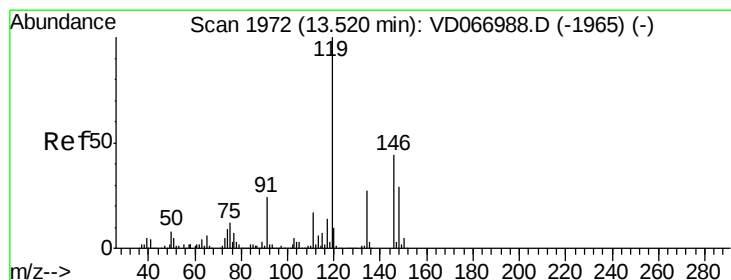
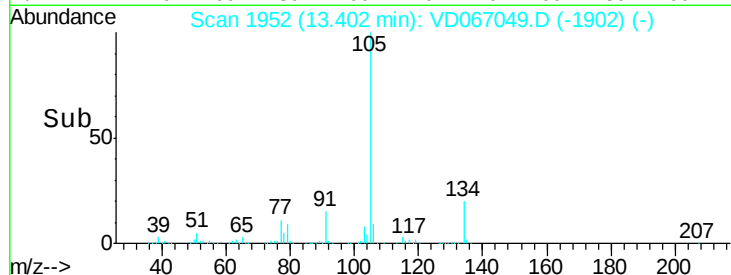
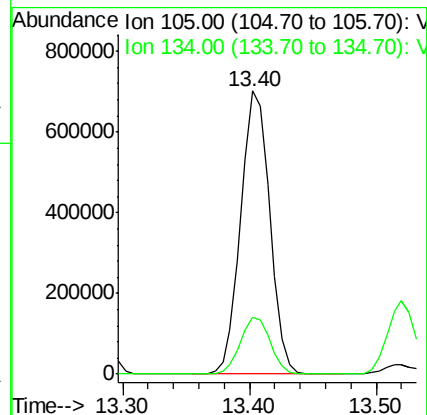
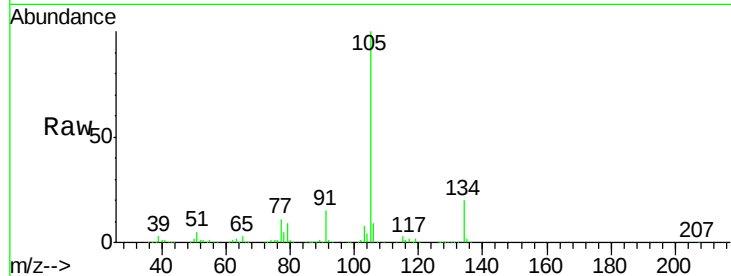
134 20.5 10.3 30.8

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 48.856 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067049.D

Acq: 02 Oct 2020 21:27

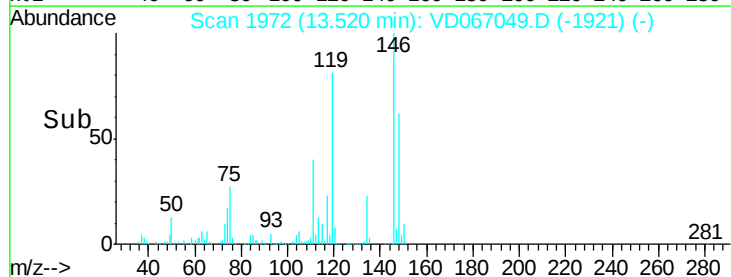
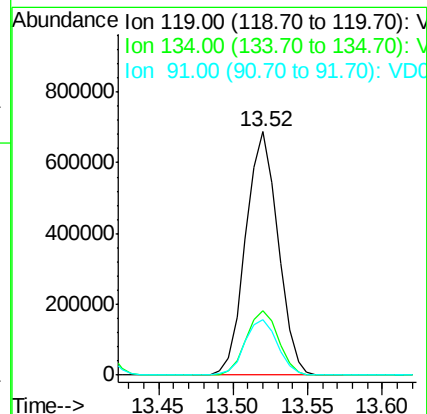
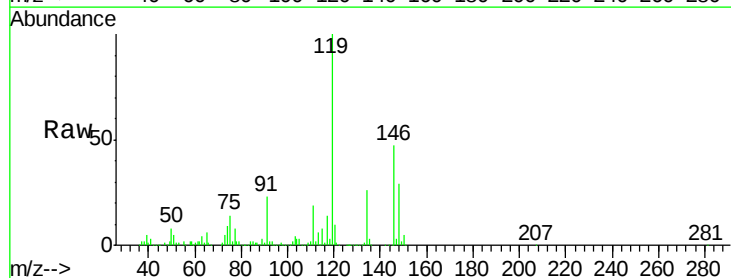
Tgt Ion:119 Resp: 1029416

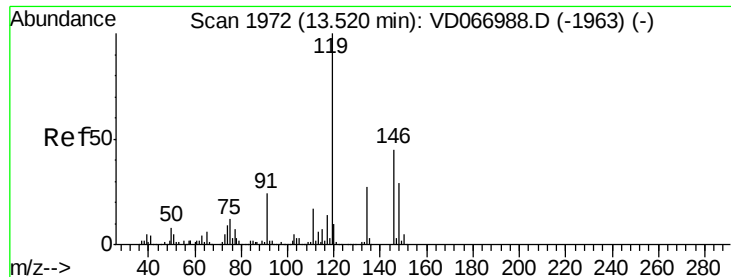
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

91 23.2 11.7 35.1





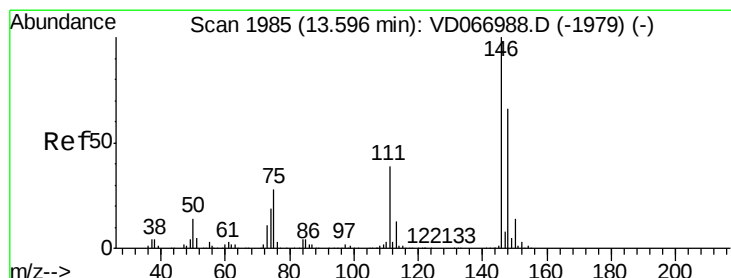
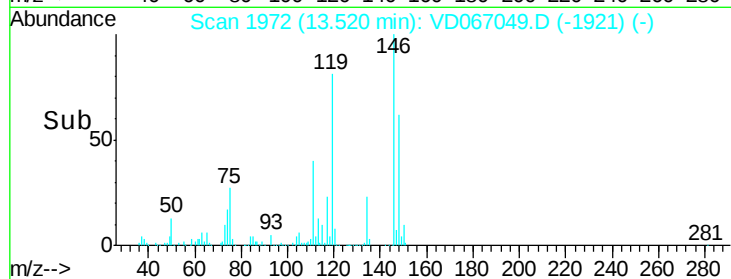
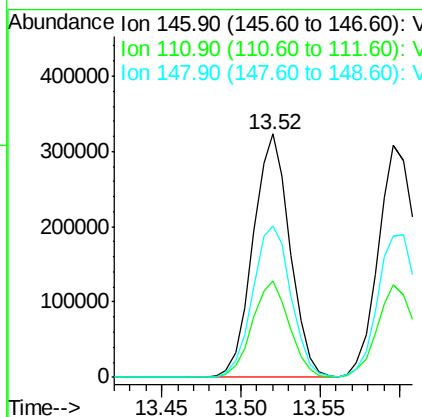
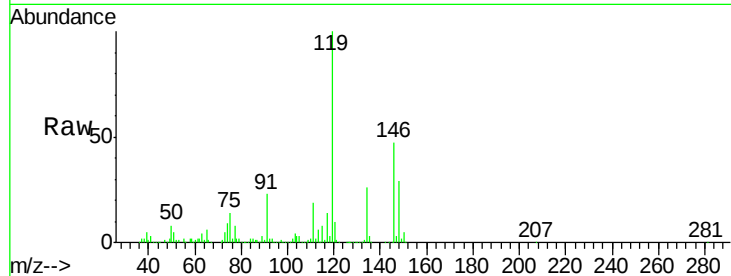
#87
 1,3-Dichlorobenzene
 Concen: 48.997 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.0	60.0
148	64.5	31.9	95.9

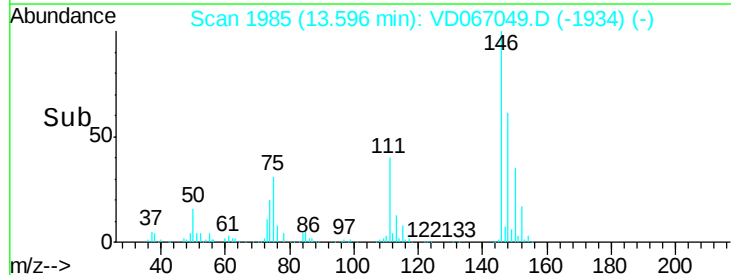
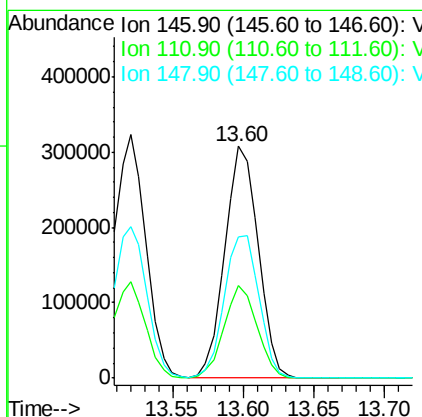
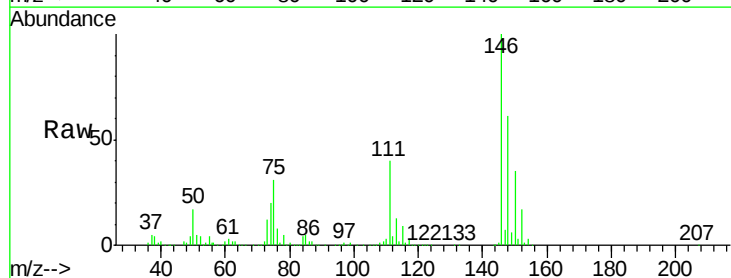
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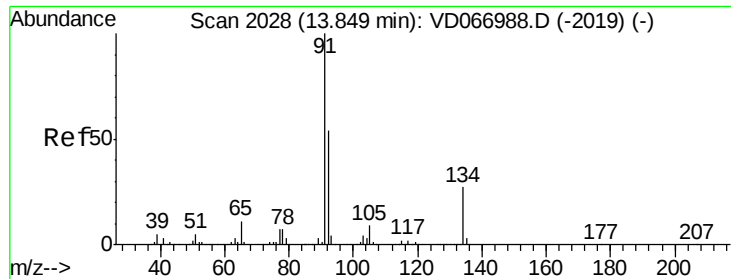
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#88
 1,4-Dichlorobenzene
 Concen: 47.697 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.6	58.7
148	63.9	32.6	97.7





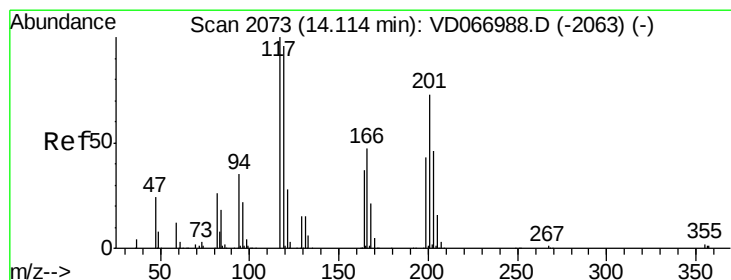
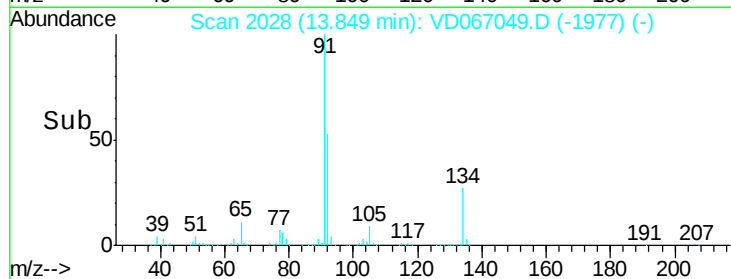
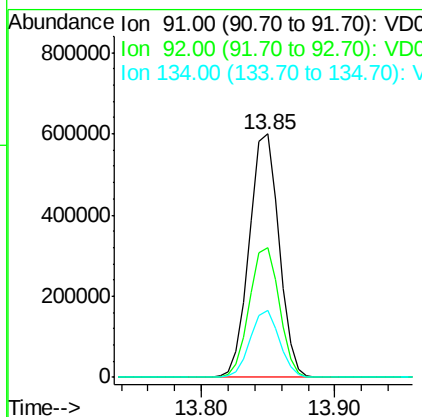
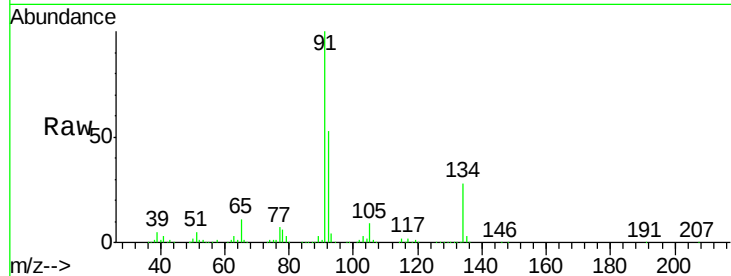
#89
n-Butylbenzene
Concen: 47.731 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.8	27.1	81.2	
134	27.0	13.6	40.8	

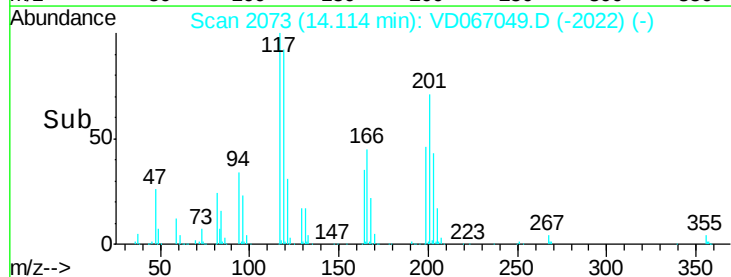
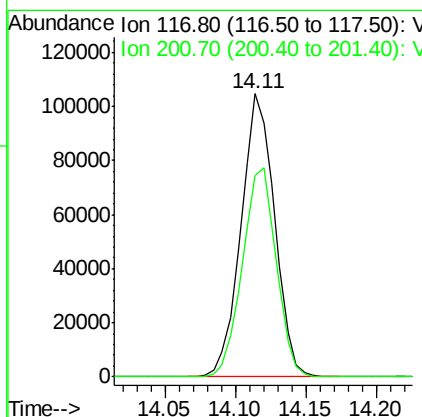
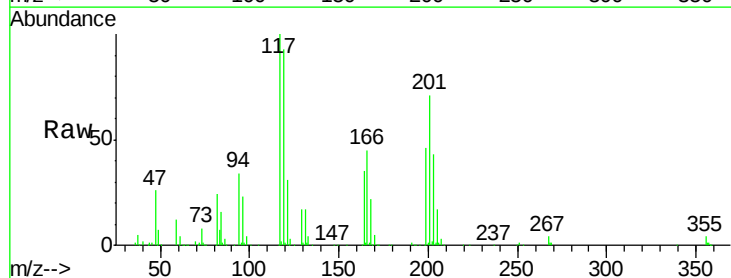
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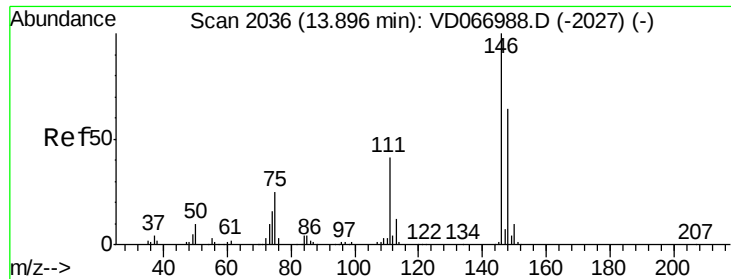
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#90
Hexachloroethane
Concen: 47.305 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	74.5	37.0	110.9	





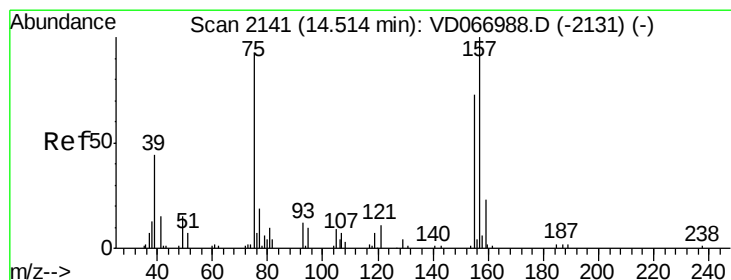
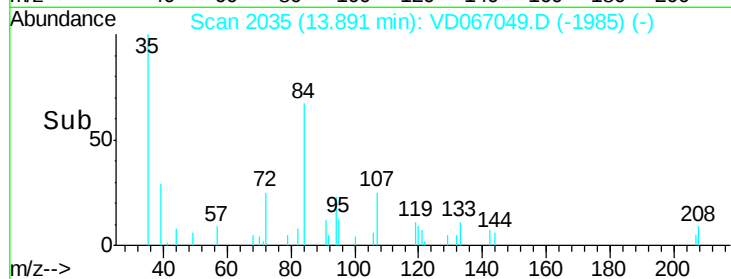
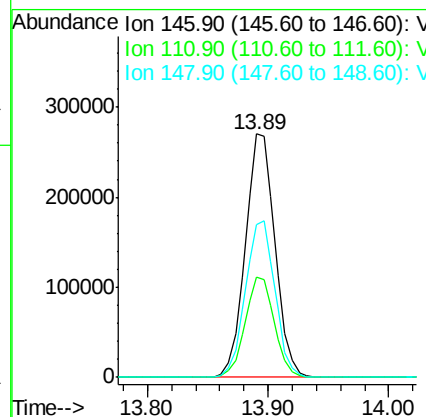
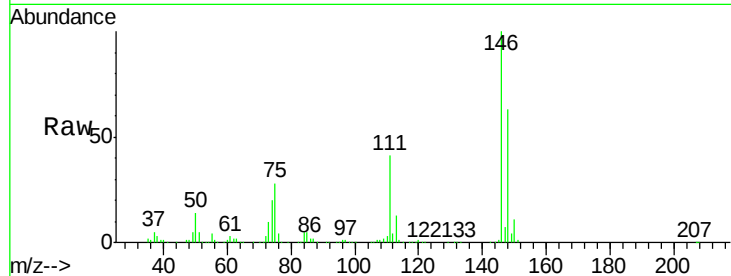
#91
 1,2-Dichlorobenzene
 Concen: 49.677 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	20.9	62.7
148	64.1	32.3	96.9

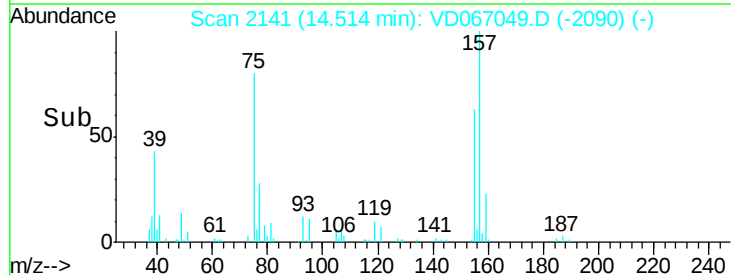
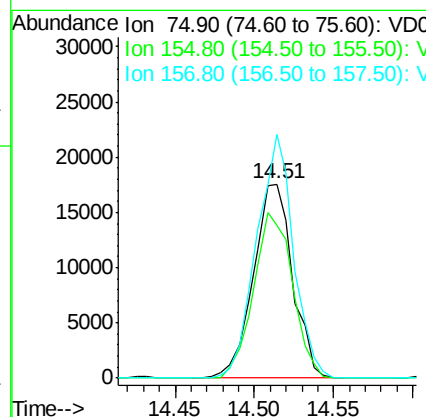
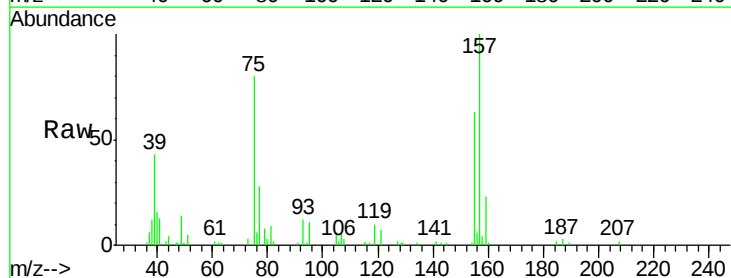
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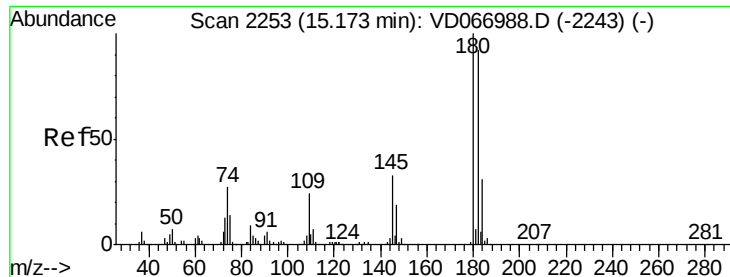
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 49.039 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.8	45.2	135.6
157	118.0	56.3	168.8





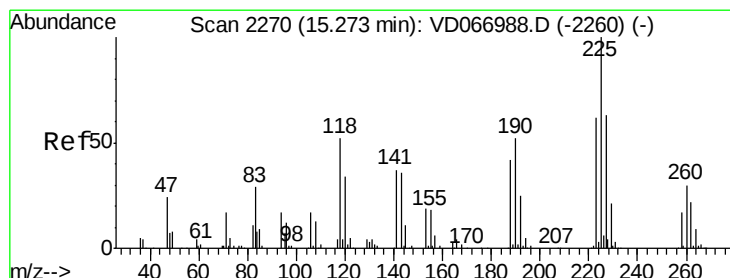
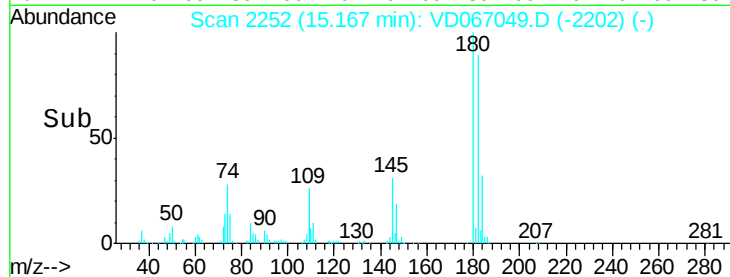
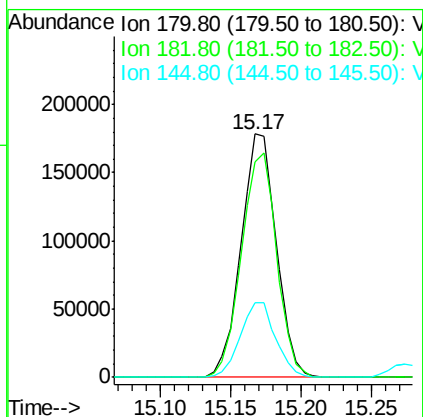
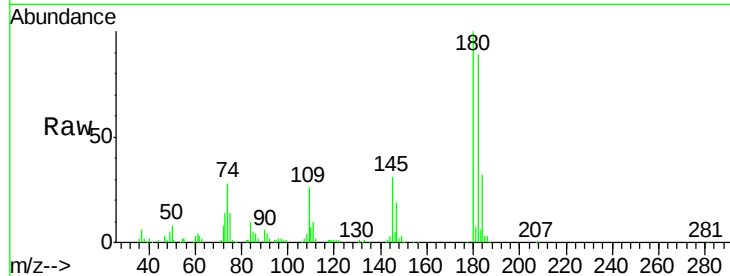
#93
 1,2,4-Trichlorobenzene
 Concen: 51.878 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	312653		
182	92.3	47.3	142.0	
145	30.8	16.4	49.1	

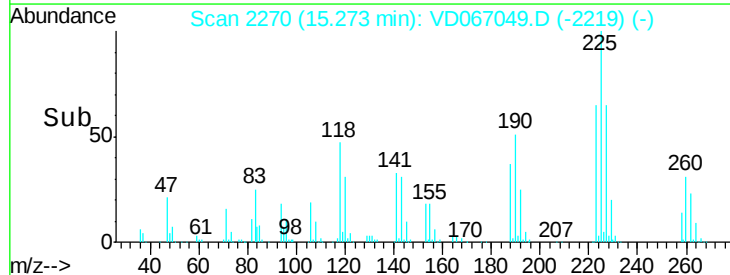
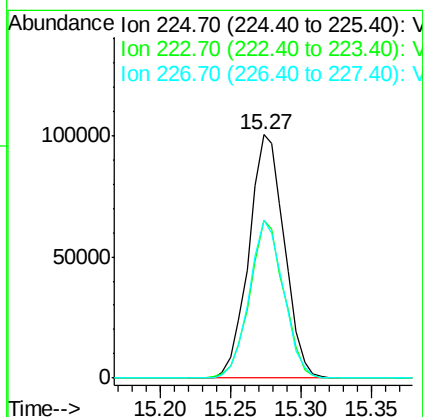
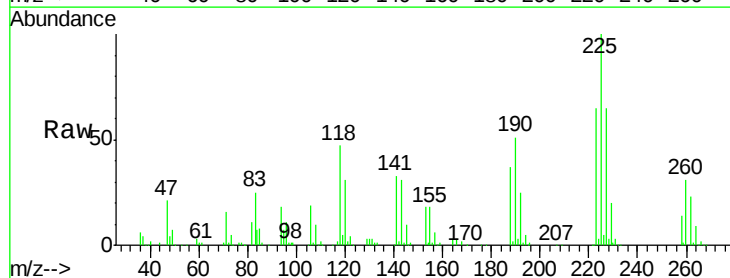
Manual Integrations
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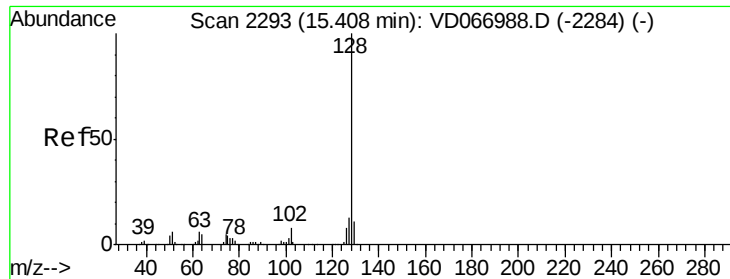
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#94
 Hexachlorobutadiene
 Concen: 47.685 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067049.D
 Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	176490		
223	62.5	32.4	97.0	
227	62.8	31.6	95.0	





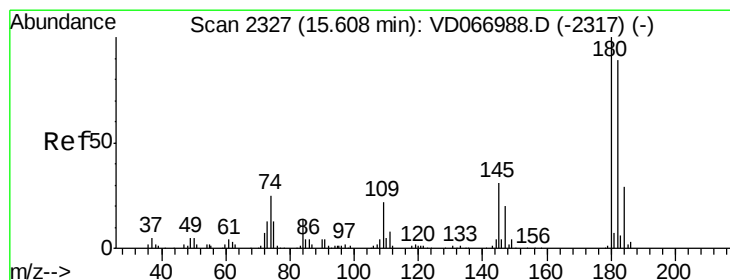
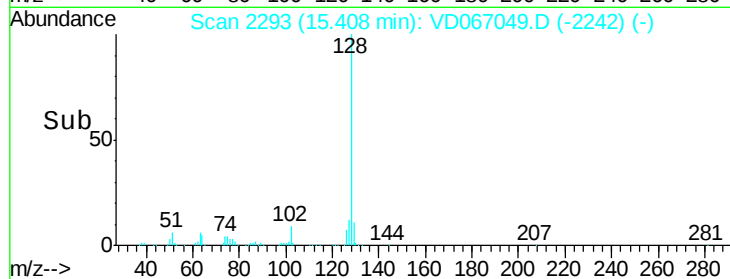
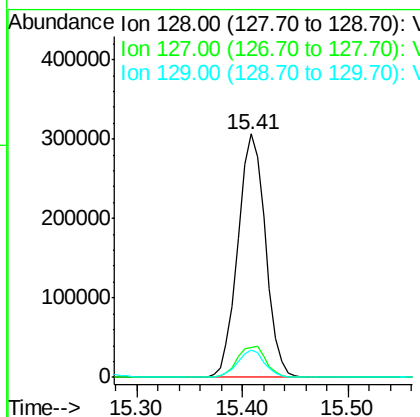
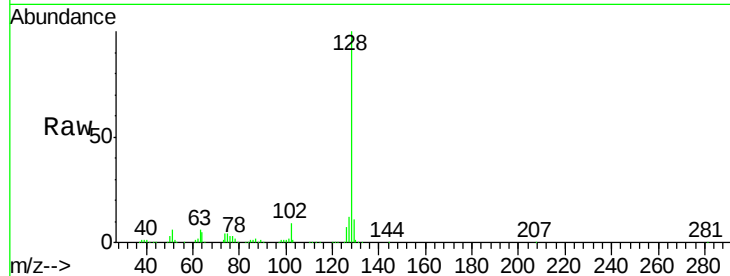
#95
Naphthalene
Concen: 54.992 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. 0.00 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.0	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 51.857 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.01 min
Lab File: VD067049.D
Acq: 02 Oct 2020 21:27

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	46.4	139.1
145	32.9	16.6	49.7

