

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111020\
 Data File : VD067573.D
 Acq On : 10 Nov 2020 10:39
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 11/11/2020 1:04:07 PM

Quant Time: Nov 11 00:12:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	326551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	454134	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	411704	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	209447	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	124883	43.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.48%	
35) Dibromofluoromethane	7.91	113	133714	48.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.74%	
50) Toluene-d8	10.34	98	461342	47.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.96%	
62) 4-Bromofluorobenzene	12.64	95	164024	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.99	85	132487	50.133	ug/l	92
3) Chloromethane	2.21	50	86535	42.555	ug/l	98
4) Vinyl Chloride	2.35	62	99689	43.971	ug/l	100
5) Bromomethane	2.77	94	78869	42.920	ug/l	87
6) Chloroethane	2.93	64	63395	45.355	ug/l	96
7) Trichlorofluoromethane	3.27	101	285062	48.560	ug/l	96
8) Diethyl Ether	3.71	74	55197	46.665	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.10	101	146056	49.291	ug/l	99
10) Methyl Iodide	4.30	142	155377	48.925	ug/l	98
11) Tert butyl alcohol	5.21	59	36852	303.845	ug/l	100
12) 1,1-Dichloroethene	4.06	96	132990	48.794	ug/l	98
13) Acrolein	3.92	56	32493	255.661	ug/l	99
14) Allyl chloride	4.71	41	138412	47.450	ug/l	99
15) Acrylonitrile	5.42	53	103397	236.474	ug/l	98
16) Acetone	4.16	43	115499	270.309	ug/l	92
17) Carbon Disulfide	4.41	76	385435	46.150	ug/l	99
18) Methyl Acetate	4.72	43	41447	46.941	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	269513	50.131	ug/l	94
20) Methylene Chloride	4.96	84	137135	45.435	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	149786	47.183	ug/l	98
22) Diisopropyl ether	6.36	45	278544	49.001	ug/l	96
23) Vinyl Acetate	6.30	43	759440	255.227	ug/l	98
24) 1,1-Dichloroethane	6.27	63	221892	47.714	ug/l	99
25) 2-Butanone	7.21	43	112569	246.557	ug/l	93
26) 2,2-Dichloropropane	7.21	77	249319	50.798	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	160471	48.701	ug/l	97
28) Bromochloromethane	7.55	49	79846	48.269	ug/l	99
29) Tetrahydrofuran	7.56	42	69233	253.152	ug/l	100
30) Chloroform	7.71	83	270067	48.679	ug/l	100
31) Cyclohexane	7.99	56	189151	45.675	ug/l	89
32) 1,1,1-Trichloroethane	7.90	97	279022	48.744	ug/l	99
36) 1,1-Dichloropropene	8.11	75	204564	52.623	ug/l	97
37) Ethyl Acetate	7.29	43	54235	53.740	ug/l	95
38) Carbon Tetrachloride	8.10	117	272672	53.987	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	249728	54.582	ug/l	97
40) Benzene	8.35	78	545745	51.829	ug/l	99
41) Methacrylonitrile	7.53	41	32400	53.709	ug/l #	68
42) 1,2-Dichloroethane	8.43	62	161754	49.719	ug/l	99
43) Isopropyl Acetate	8.46	43	103377	51.794	ug/l	99
44) Trichloroethene	9.11	130	177388	51.234	ug/l	97
45) 1,2-Dichloropropane	9.39	63	118413	52.013	ug/l	99
46) Dibromomethane	9.48	93	71858	49.642	ug/l	95
47) Bromodichloromethane	9.67	83	202695	51.518	ug/l	94
48) Methyl methacrylate	9.46	41	49832	48.355	ug/l	93
49) 1,4-Dioxane	9.46	88	15935	1084.385	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	257409	269.664	ug/l	98
52) Toluene	10.40	92	375468	53.236	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	173988	51.634	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	208029	51.961	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	99505	51.954	ug/l	98
56) Ethyl methacrylate	10.66	69	107674	54.441	ug/l	96
57) 1,3-Dichloropropane	10.95	76	159212	51.658	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	249316	270.313	ug/l	99
59) 2-Hexanone	10.99	43	184467	276.386	ug/l	100
60) Dibromochloromethane	11.14	129	149210	52.665	ug/l	100
61) 1,2-Dibromoethane	11.25	107	98142	51.056	ug/l	99
64) Tetrachloroethene	10.88	164	155329	50.943	ug/l	96
65) Chlorobenzene	11.67	112	410586	51.773	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	164958	52.775	ug/l	98
67) Ethyl Benzene	11.75	91	734670	54.136	ug/l	99
68) m/p-Xylenes	11.86	106	559095	105.897	ug/l	98
69) o-Xylene	12.18	106	254189	53.925	ug/l	100
70) Styrene	12.20	104	437090	53.214	ug/l	100
71) Bromoform	12.37	173	82689	51.871	ug/l #	97
73) Isopropylbenzene	12.48	105	736554	54.414	ug/l	100
74) N-amyl acetate	12.29	43	96117	53.964	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	94837	51.380	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	69326m	54.868	ug/l	
77) Bromobenzene	12.77	156	170923	51.416	ug/l	99
78) n-propylbenzene	12.83	91	838022	54.125	ug/l	98
79) 2-Chlorotoluene	12.91	91	470662	53.514	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	630824	54.554	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	31426	50.497	ug/l	95
82) 4-Chlorotoluene	13.01	91	487033	51.632	ug/l	99
83) tert-Butylbenzene	13.23	119	527243	53.800	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	619042	53.782	ug/l	97
85) sec-Butylbenzene	13.40	105	724908	54.795	ug/l	100
86) p-Isopropyltoluene	13.52	119	683310	53.487	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	329245	51.905	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	326951	50.903	ug/l	100
89) n-Butylbenzene	13.84	91	604992	54.826	ug/l	100
90) Hexachloroethane	14.11	117	129804	53.954	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	279203	50.858	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17369	53.147	ug/l	97

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Manual Integrations
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Quant Title : SW846 8260
QLast Update : Wed Nov 04 00:56:28 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	198162	53.182	ug/l	99
94) Hexachlorobutadiene	15.27	225	130256	52.233	ug/l	100
95) Naphthalene	15.40	128	319592	55.579	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	172032	53.915	ug/l	99

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

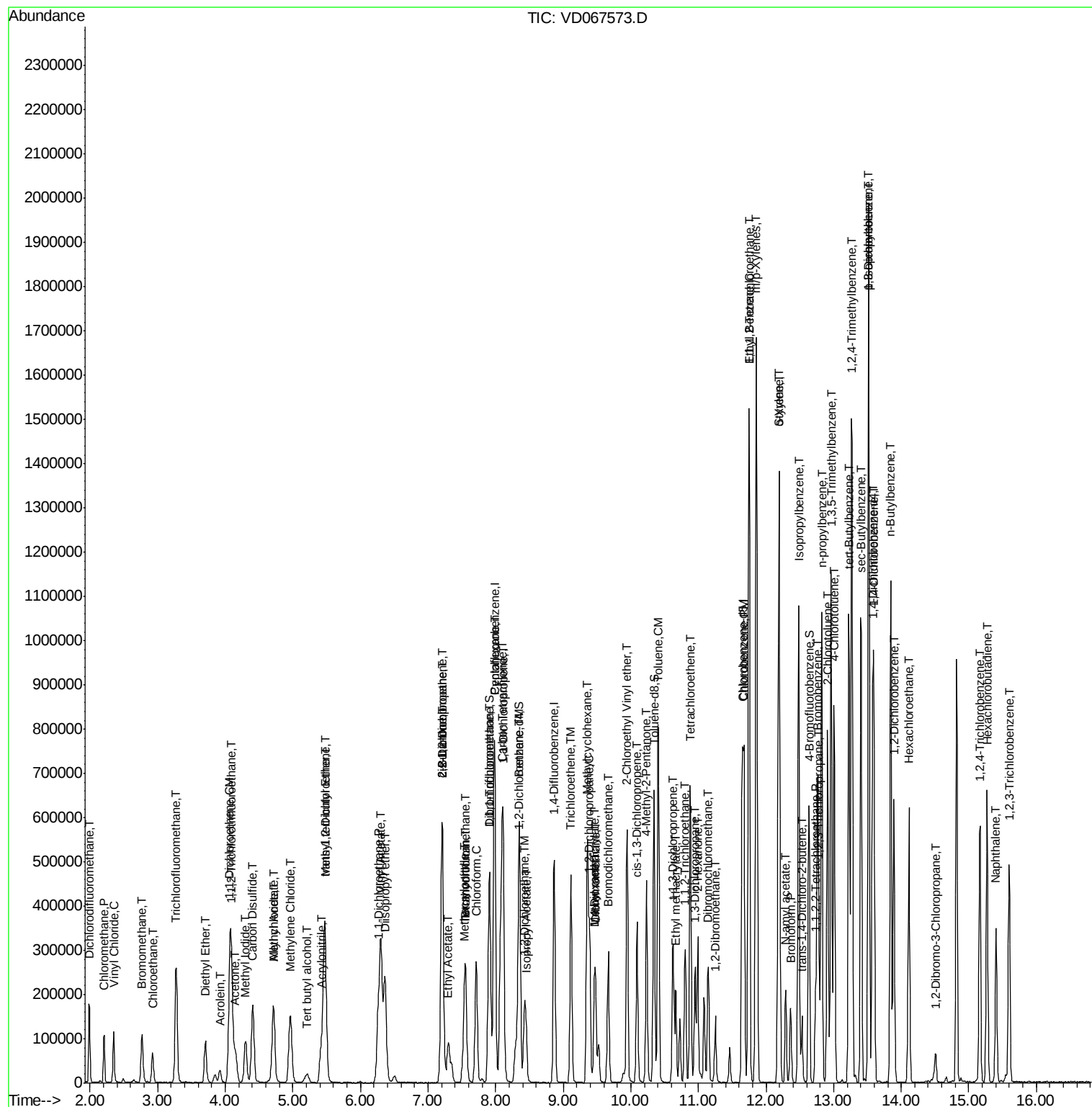
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 Acq On : 10 Nov 2020 10:39
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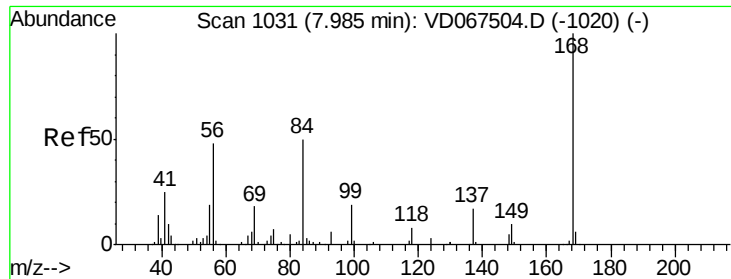
Instrument :
 MSVOA_D
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 326551

Ion Ratio Lower Upper

168 100

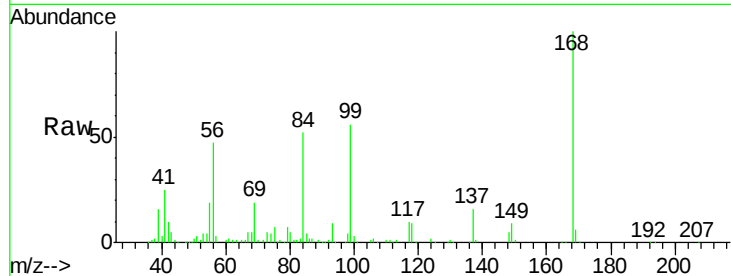
99 55.4 45.0 67.6

Manual Integrations

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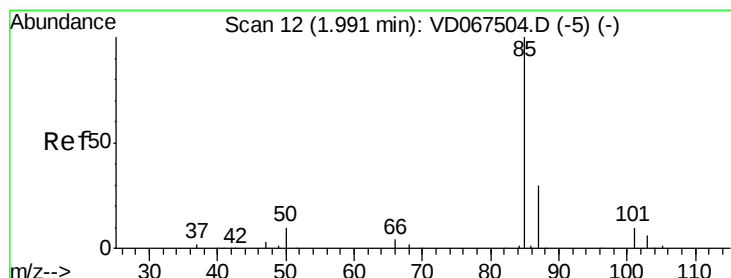
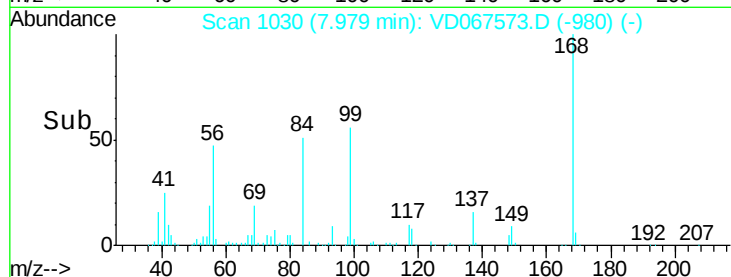
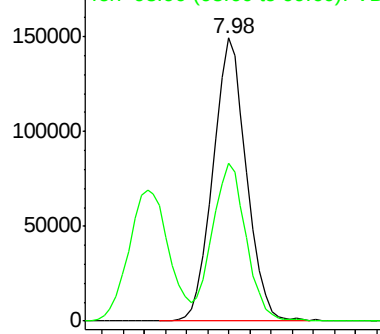
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.133 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067573.D

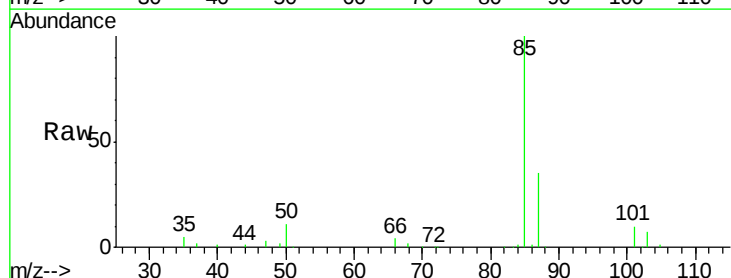
Acq: 10 Nov 2020 10:39

Tgt Ion: 85 Resp: 132487

Ion Ratio Lower Upper

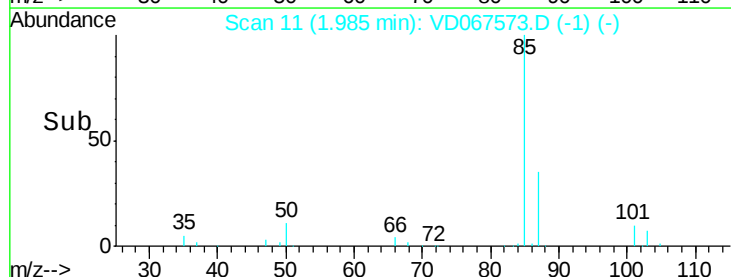
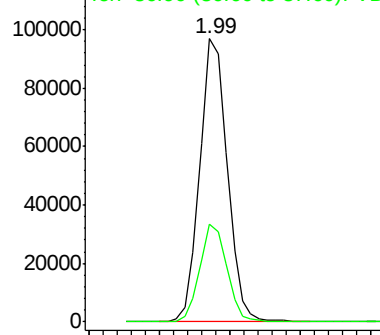
85 100

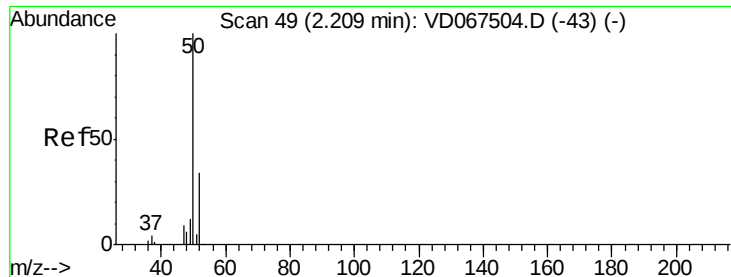
87 34.7 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 42.555 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 86535

Ion Ratio Lower Upper

50 100

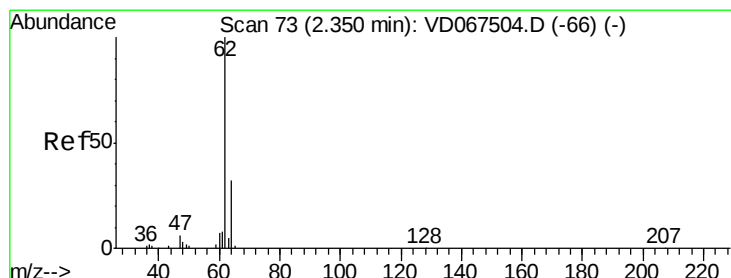
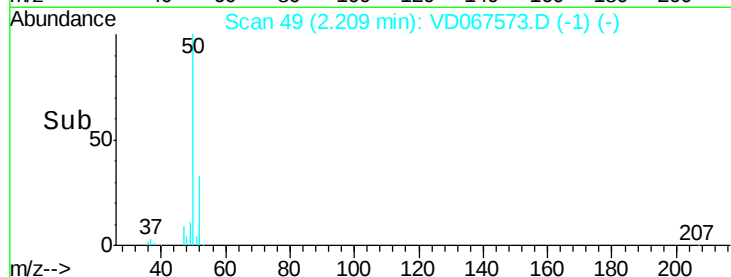
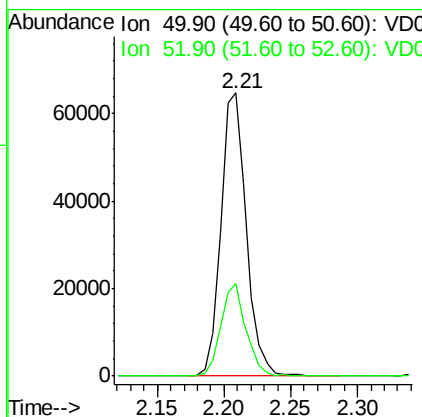
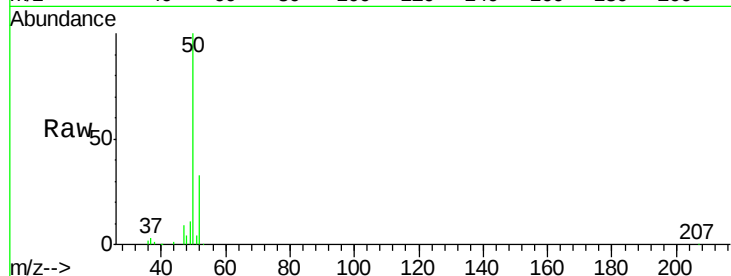
52 33.0 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 43.971 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067573.D

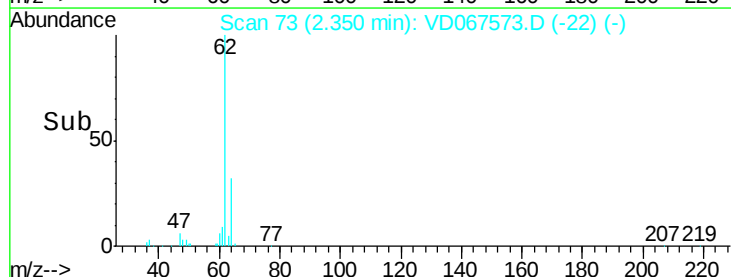
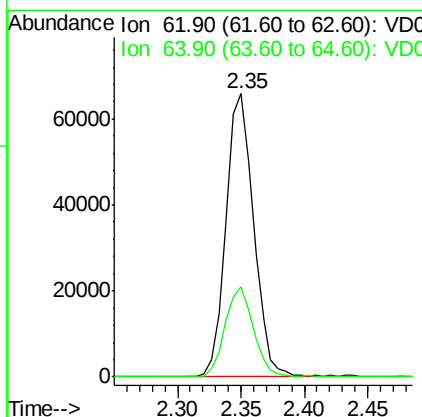
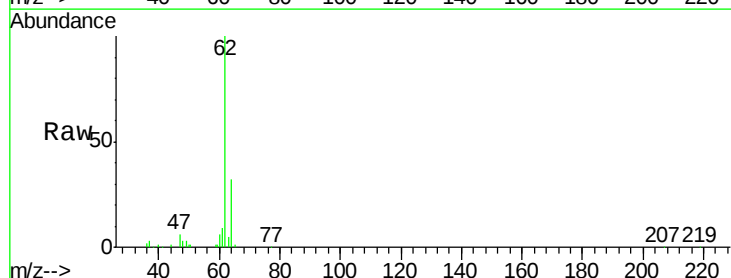
Acq: 10 Nov 2020 10:39

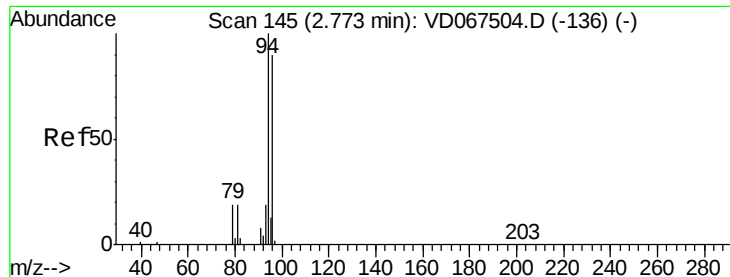
Tgt Ion: 62 Resp: 99689

Ion Ratio Lower Upper

62 100

64 31.8 25.6 38.4





#5

Bromomethane

Concen: 42.920 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

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Tot Ion: 94 Resp: 78869

Ion Ratio Lower Upper

94 100

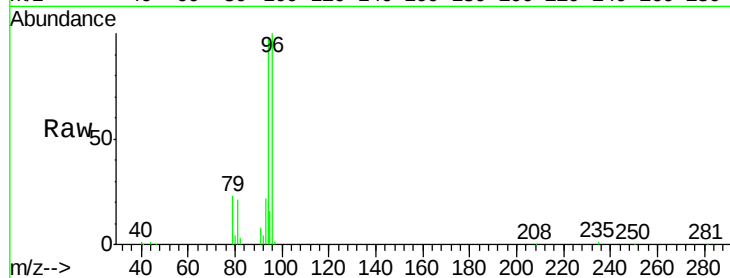
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Manual Integrations

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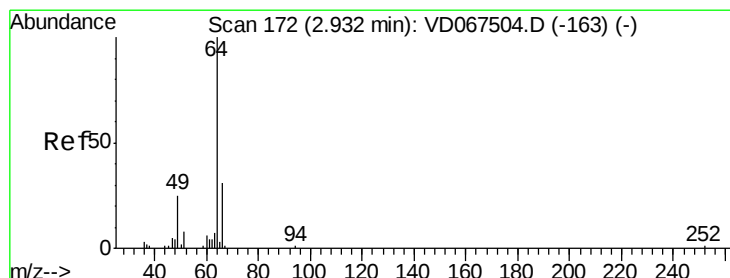
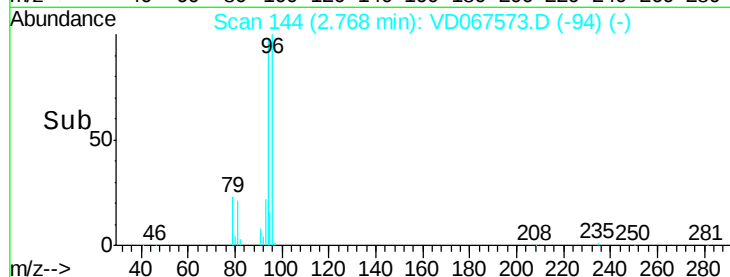
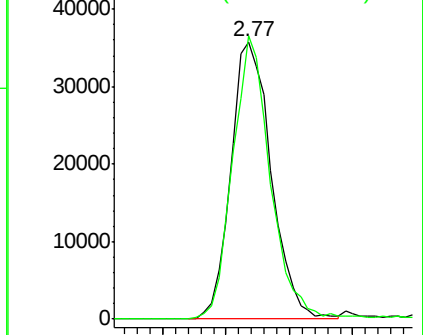
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.355 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067573.D

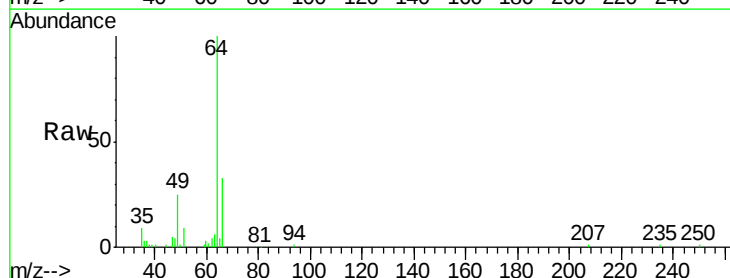
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Tgt Ion: 64 Resp: 63395

Ion Ratio Lower Upper

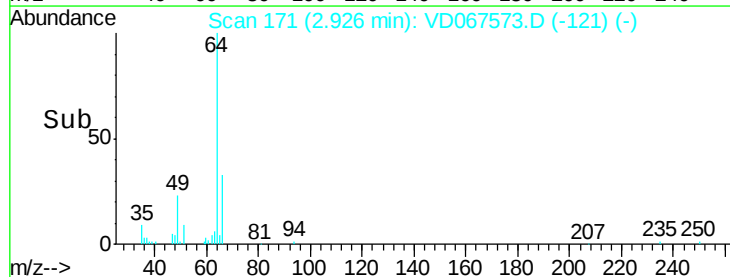
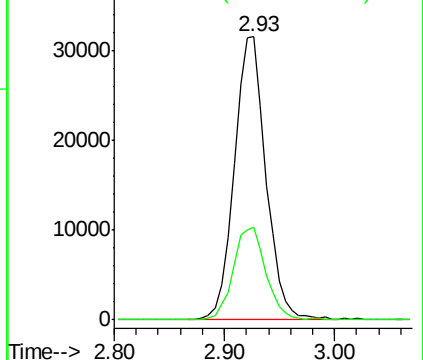
64 100

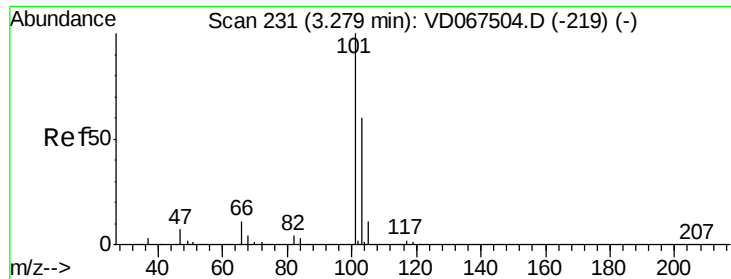
66 32.9 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

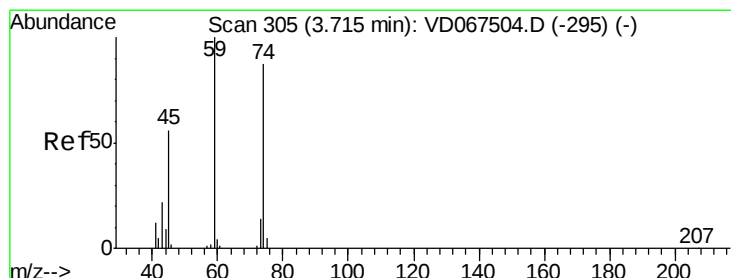
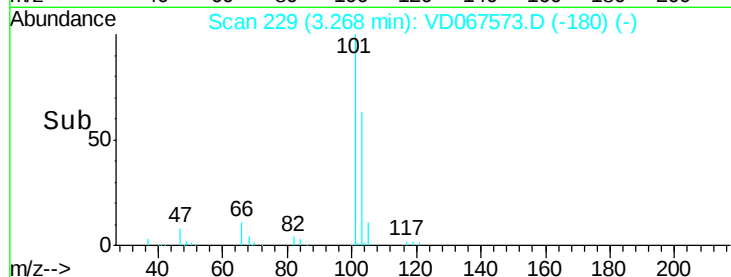
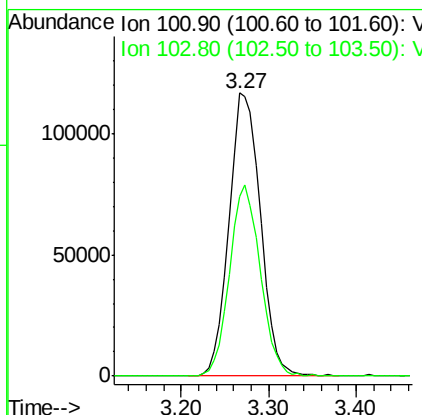
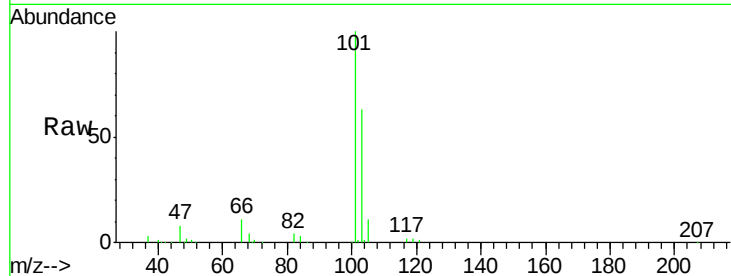
Trichlorofluoromethane
Concen: 48.560 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067573.D
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Tot Ion	Ratio	Resp	Lower	Upper
101	100	285062		
103	63.3	48.1	72.1	

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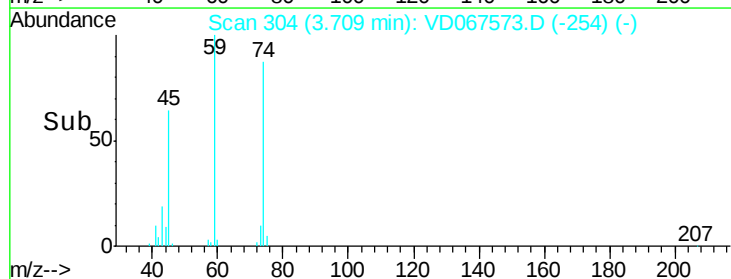
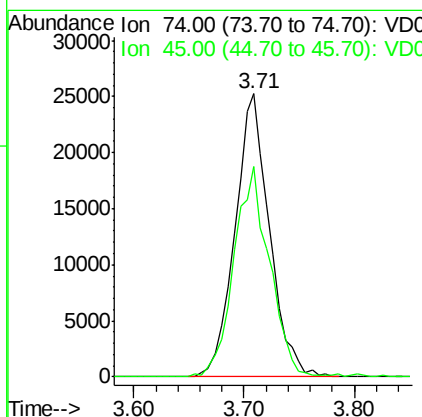
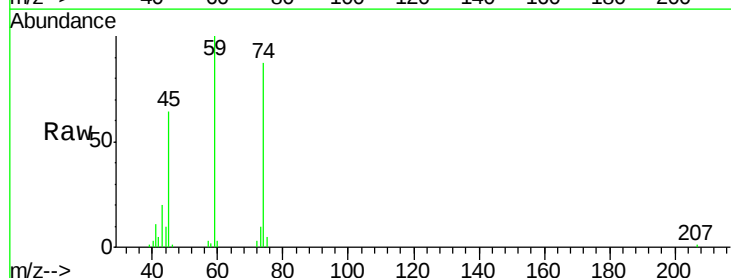
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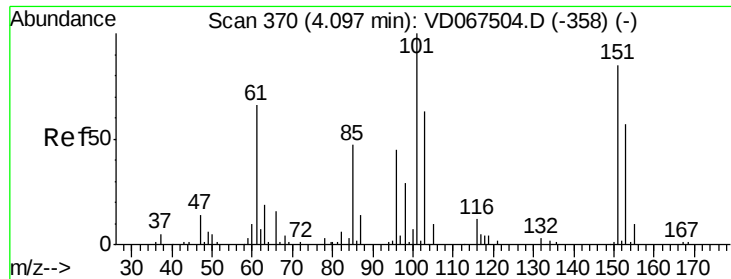


#8

Diethyl Ether
Concen: 46.665 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	55197		
45	76.5	38.2	114.6	





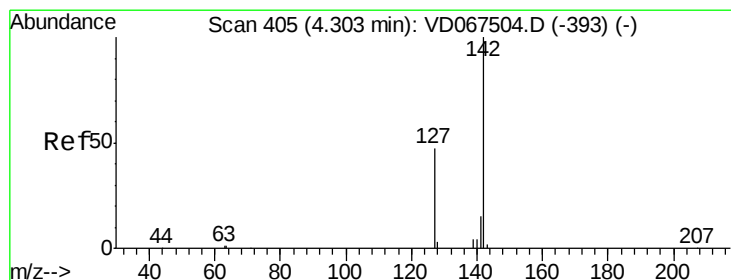
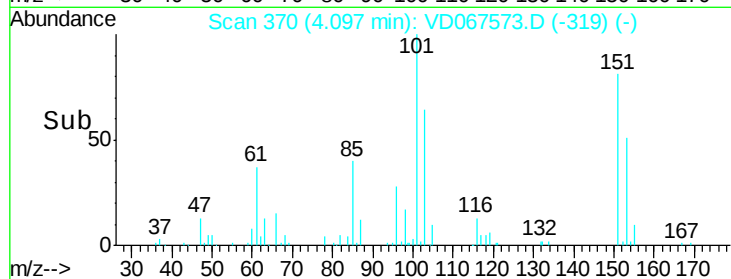
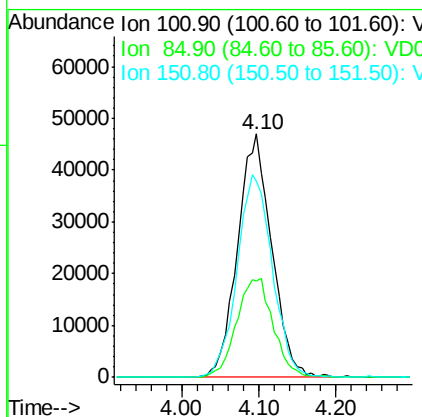
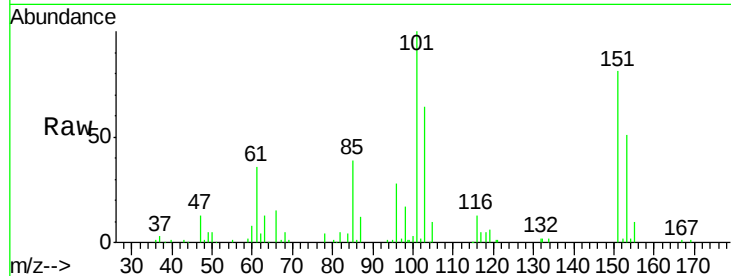
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.291 ug/l
RT: 4.10 min Scan# 370
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
85	43.4	34.4	51.6
151	85.7	68.1	102.1

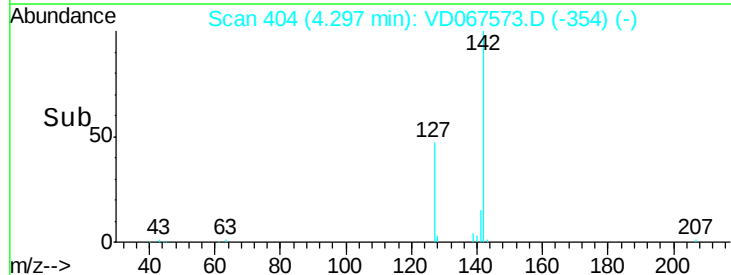
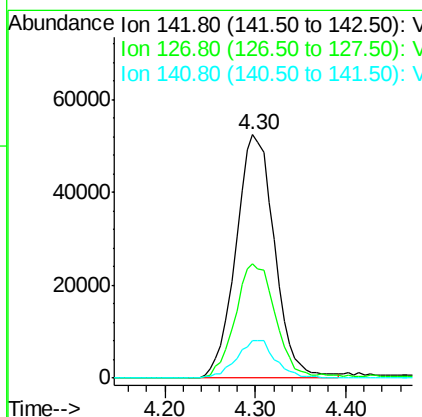
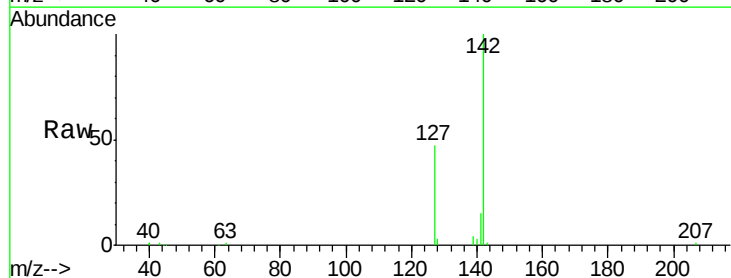
Manual Integrations
APPROVED

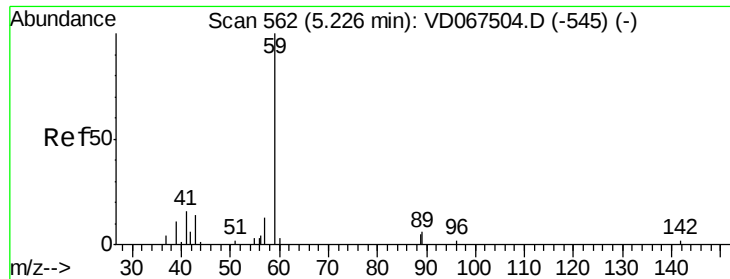
MMDadoda
11/11/2020 1:04:07 PM



#10
Methyl Iodide
Concen: 48.925 ug/l
RT: 4.30 min Scan# 404
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
142	100		
127	48.7	40.0	60.0
141	15.3	11.7	17.5





#11

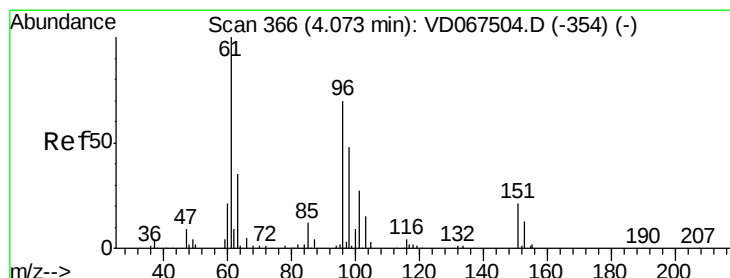
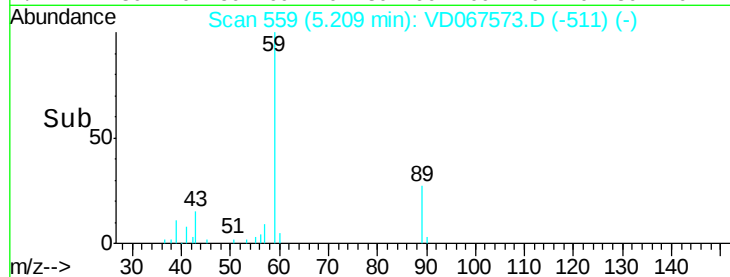
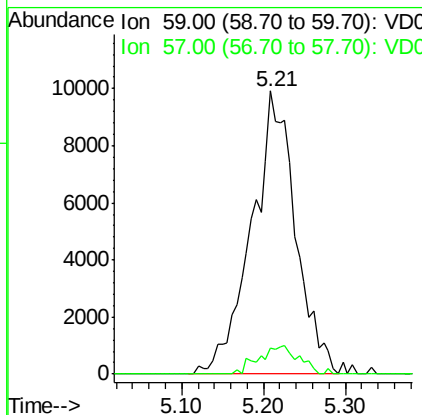
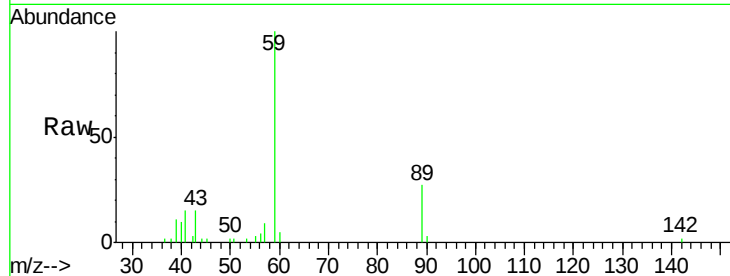
Tert butyl alcohol
 Concen: 303.845 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.5	5.9	8.9

Manual Integrations
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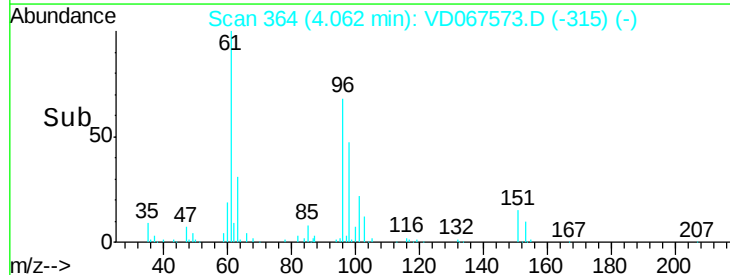
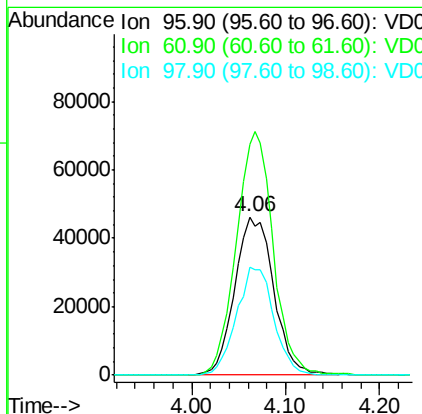
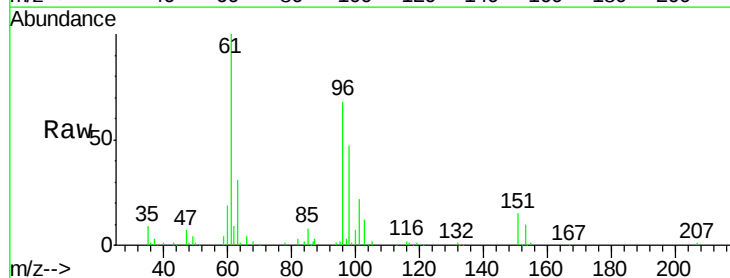
MMDadoda
 11/11/2020 1:04:07 PM

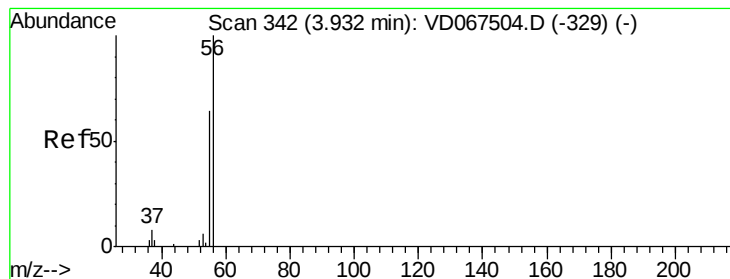


#12

1,1-Dichloroethene
 Concen: 48.794 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.0	114.5	171.7
98	68.2	54.5	81.7





#13

Acrolein

Concen: 255.661 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 32493

Ion Ratio Lower Upper

56 100

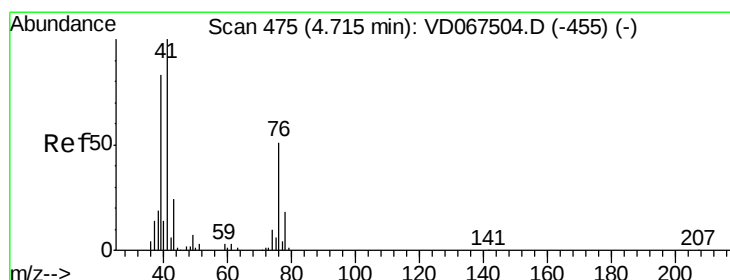
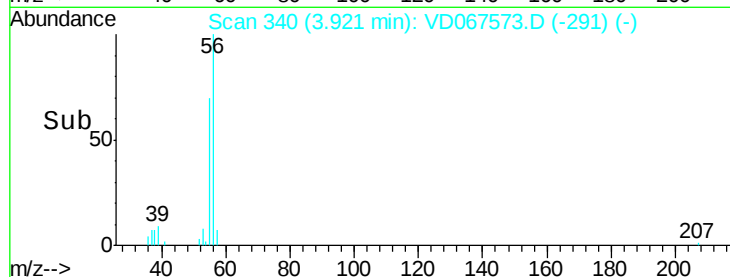
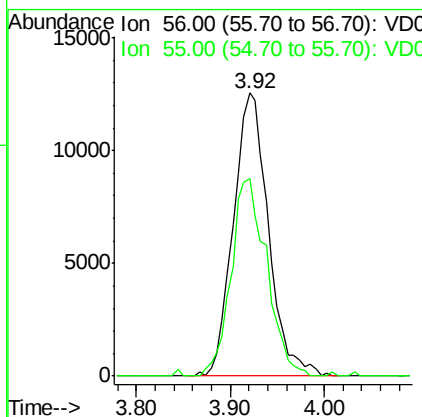
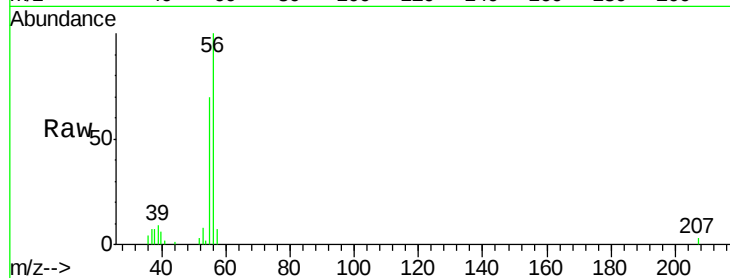
55 70.5 55.8 83.8

Manual Integrations

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MMDadoda

11/11/2020 1:04:07 PM



#14

Allyl chloride

Concen: 47.450 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

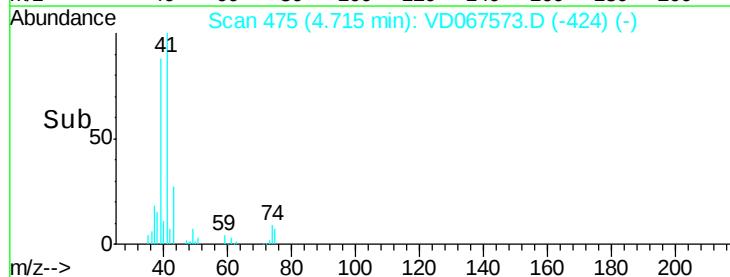
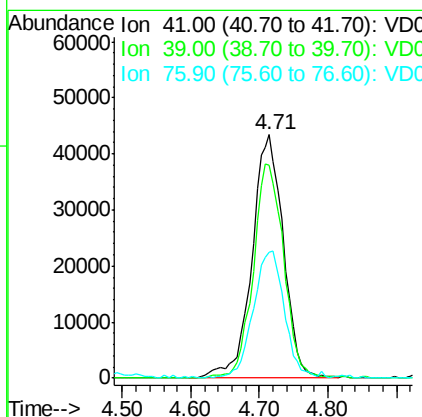
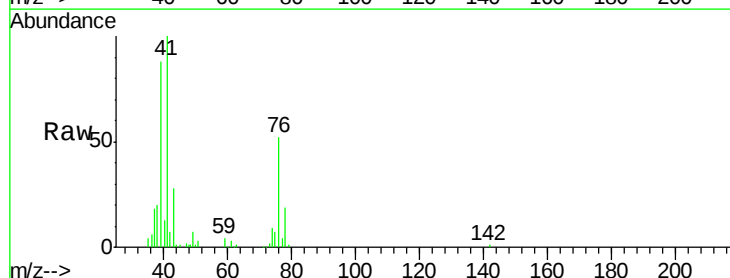
Tgt Ion: 41 Resp: 138412

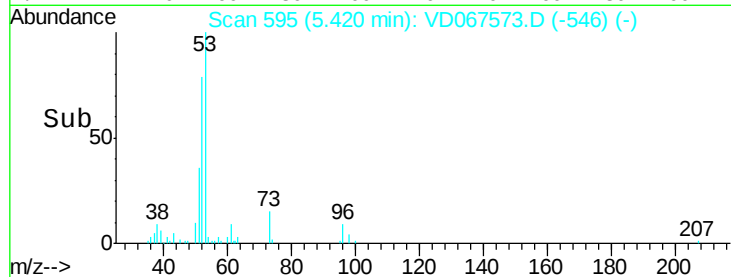
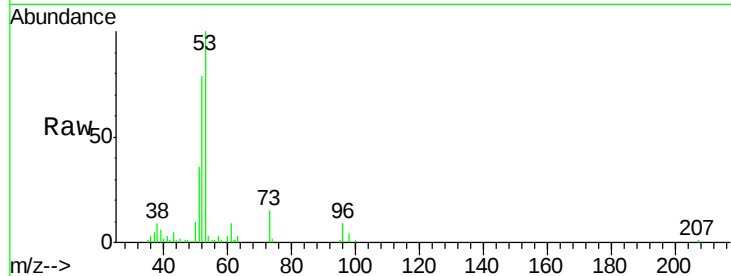
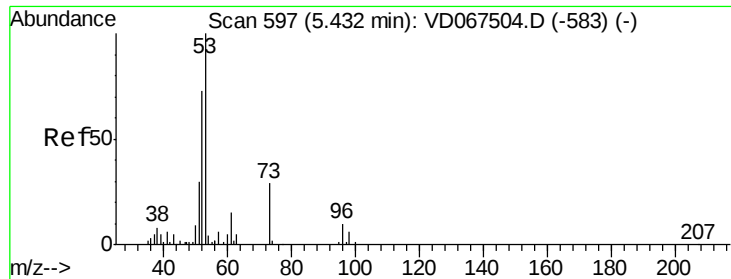
Ion Ratio Lower Upper

41 100

39 85.2 67.4 101.0

76 51.5 42.2 63.2





#15

Acrylonitrile

Concen: 236.474 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067573.D

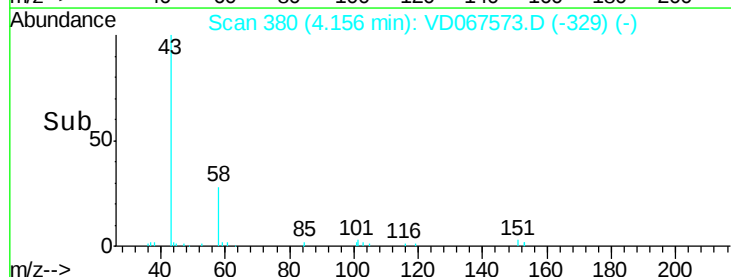
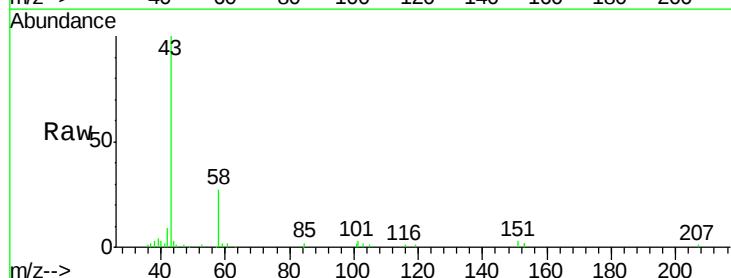
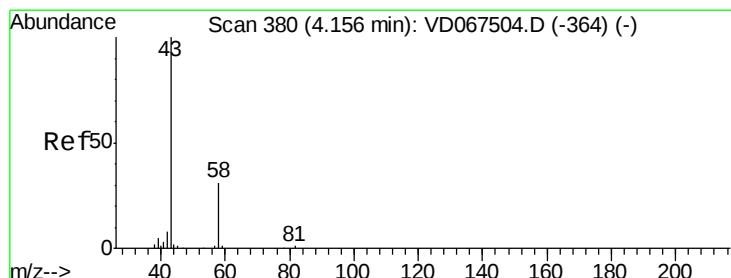
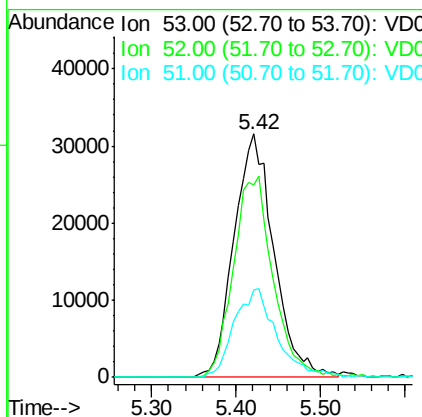
Acq: 10 Nov 2020 10:39

Tot Ion:	53	Resp:	103397
Ion Ratio	Lower	Upper	
53	100		
52	81.9	64.8	97.2
51	38.6	29.5	44.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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#16

Acetone

Concen: 270.309 ug/l

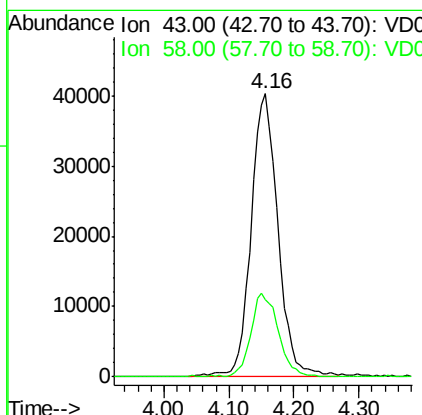
RT: 4.16 min Scan# 380

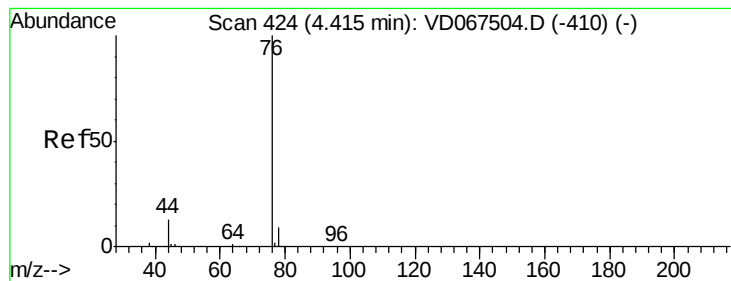
Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Tgt Ion:	43	Resp:	115499
Ion Ratio	Lower	Upper	
43	100		
58	27.3	25.2	37.8





#17

Carbon Disulfide

Concen: 46.150 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 385435

Ion Ratio Lower Upper

76 100

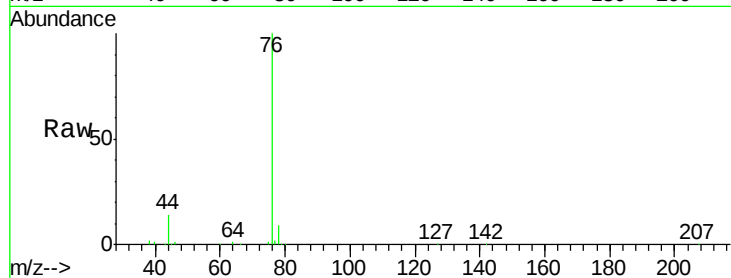
78 8.7 7.2 10.8

Manual Integrations

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11/11/2020 1:04:07 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

150000

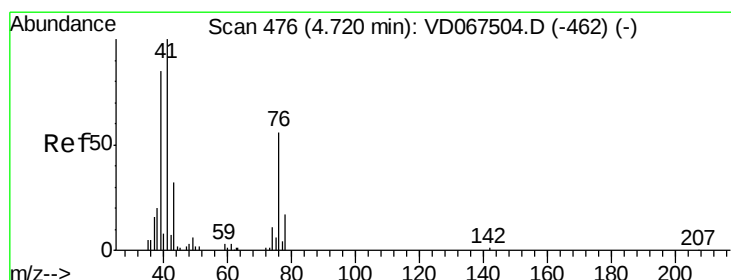
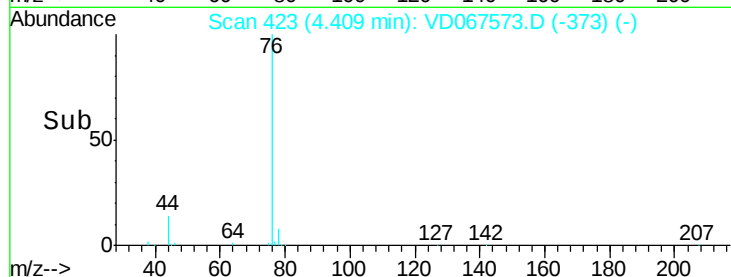
100000

50000

0

4.30 4.40 4.50

Time-->



#18

Methyl Acetate

Concen: 46.941 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.00 min

Lab File: VD067573.D

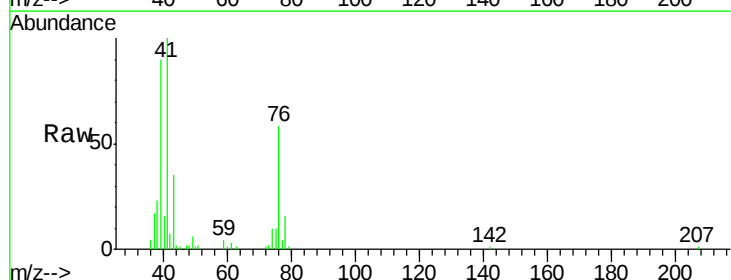
Acq: 10 Nov 2020 10:39

Tgt Ion: 43 Resp: 41447

Ion Ratio Lower Upper

43 100

74 33.7 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

15000

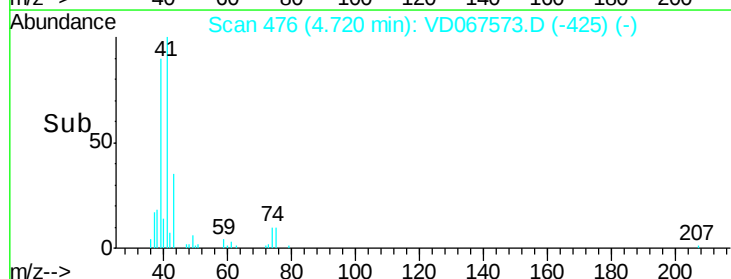
10000

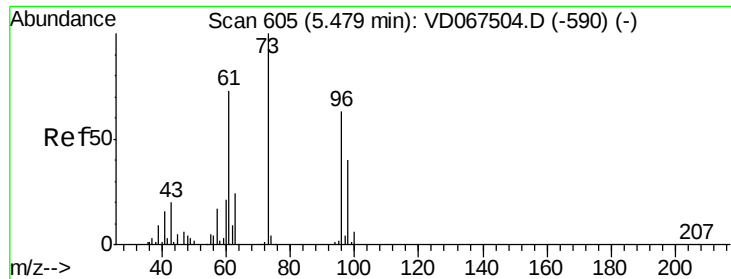
5000

0

4.60 4.70 4.80

Time-->





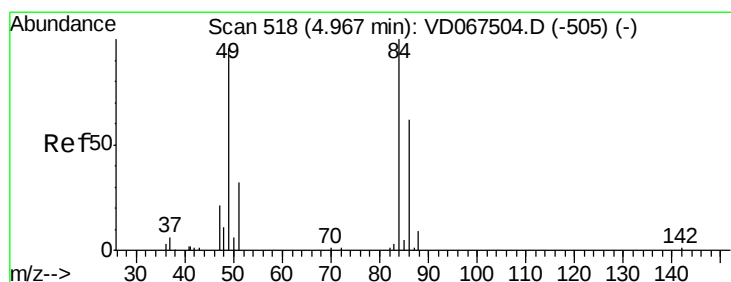
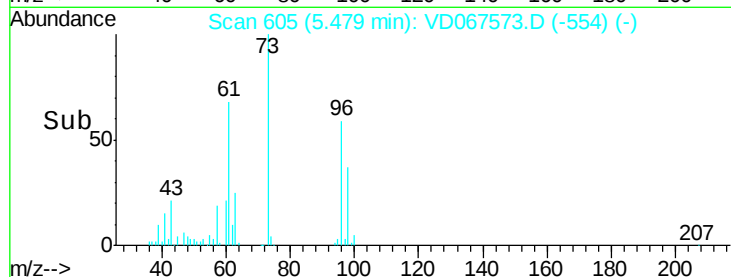
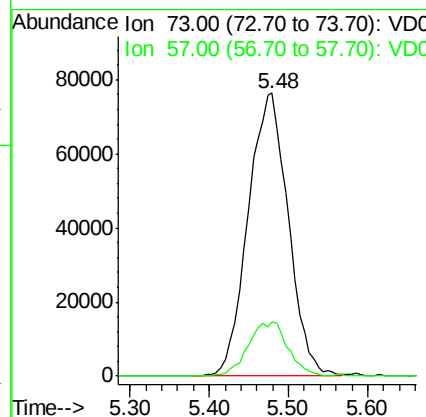
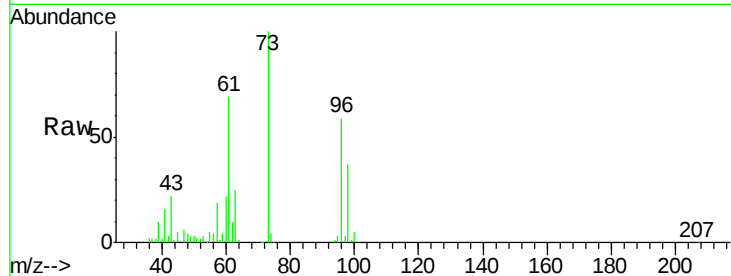
#19
Methyl tert-butyl Ether
Concen: 50.131 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 269513
Ion Ratio Lower Upper
73 100
57 19.4 13.4 20.0

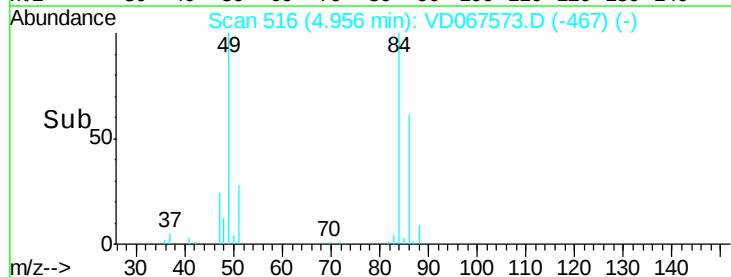
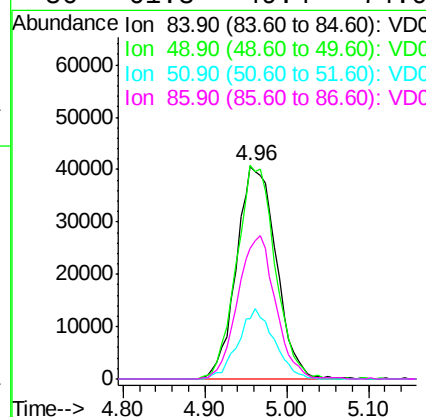
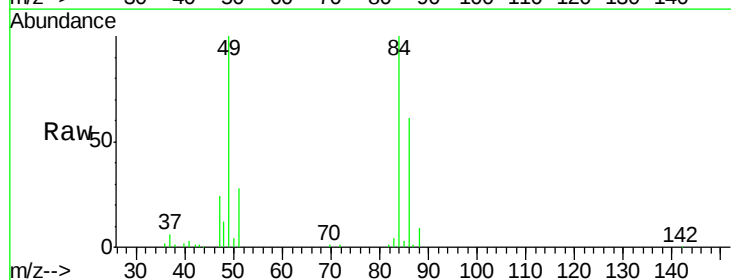
Manual Integrations
APPROVED

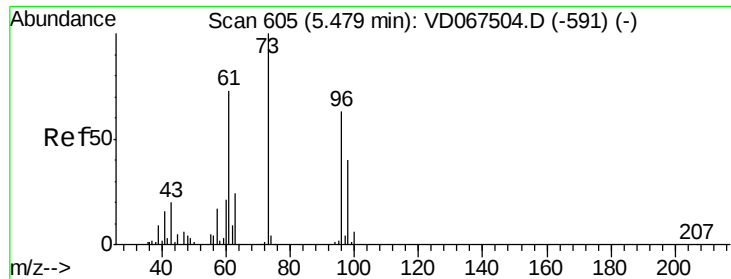
MMDadoda
11/11/2020 1:04:07 PM



#20
Methylene Chloride
Concen: 45.435 ug/l
RT: 4.96 min Scan# 516
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion: 84 Resp: 137135
Ion Ratio Lower Upper
84 100
49 100.5 77.0 115.4
51 28.3 25.4 38.2
86 61.3 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.183 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

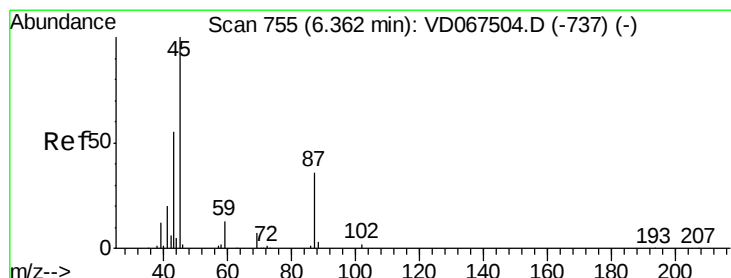
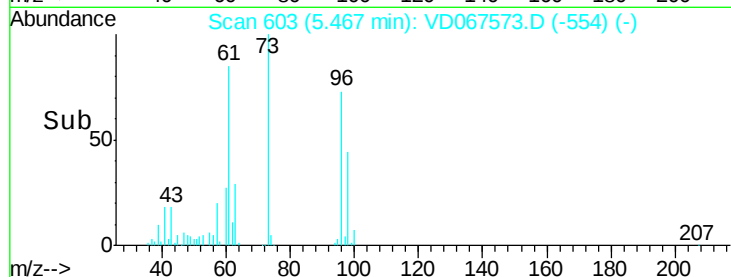
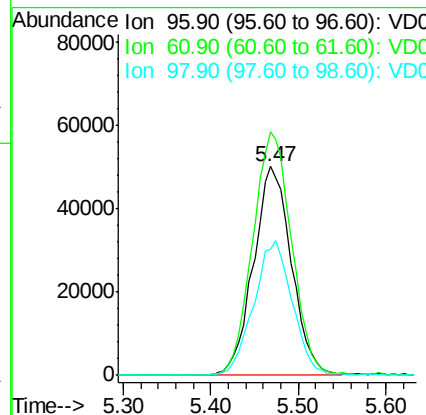
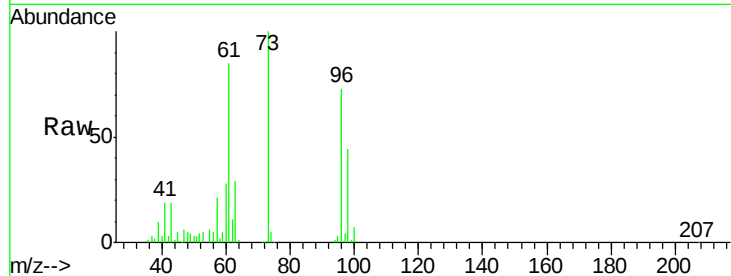
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	149786
Ion	Ratio	Lower	Upper
96	100		
61	116.6	93.0	139.6
98	60.4	50.9	76.3

Manual Integrations
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11/11/2020 1:04:07 PM



#22

Diisopropyl ether

Concen: 49.001 ug/l

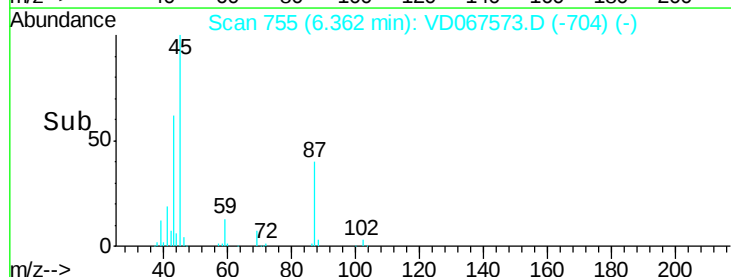
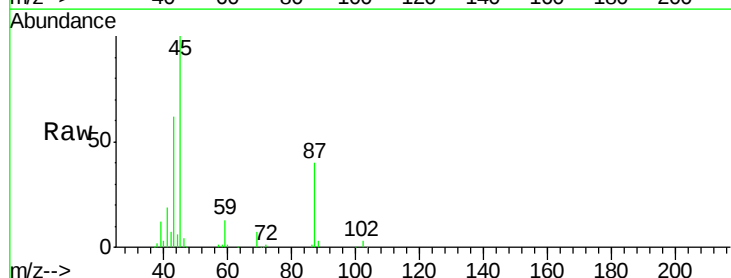
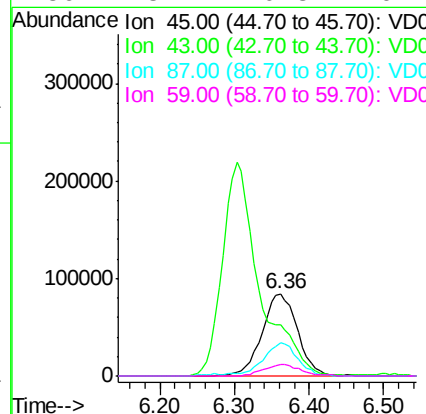
RT: 6.36 min Scan# 755

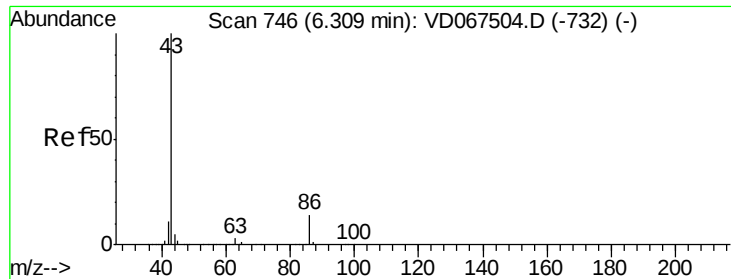
Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Tgt Ion:	45	Resp:	278544
Ion	Ratio	Lower	Upper
45	100		
43	60.7	46.2	69.4
87	40.0	29.4	44.2
59	13.1	10.8	16.2





#23

Vinyl Acetate

Concen: 255.227 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 759440

Ion Ratio Lower Upper

43 100

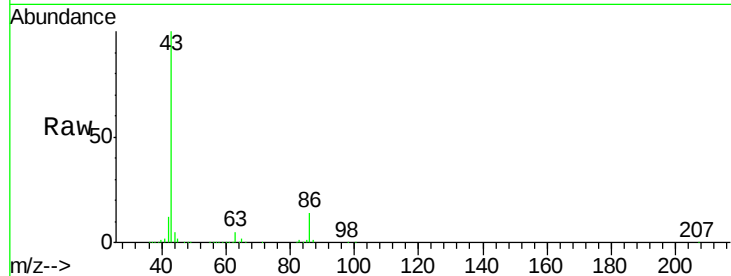
86 13.8 11.6 17.4

Manual Integrations

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MMDadoda

11/11/2020 1:04:07 PM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

250000

200000

150000

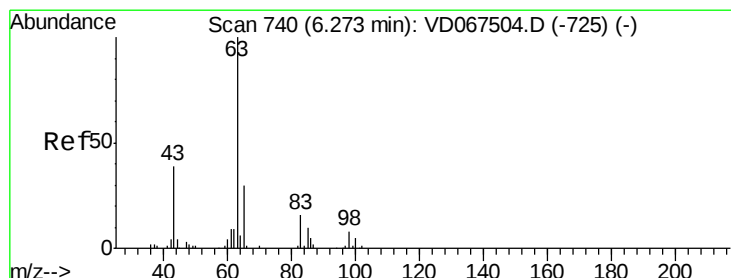
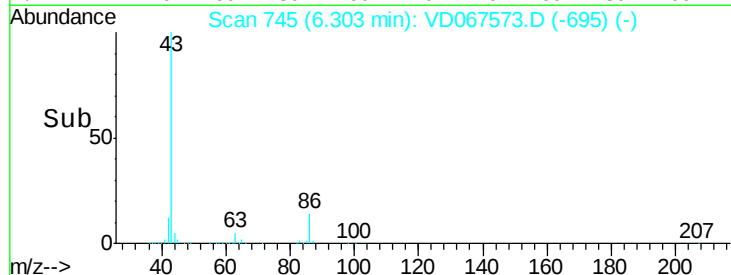
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 47.714 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

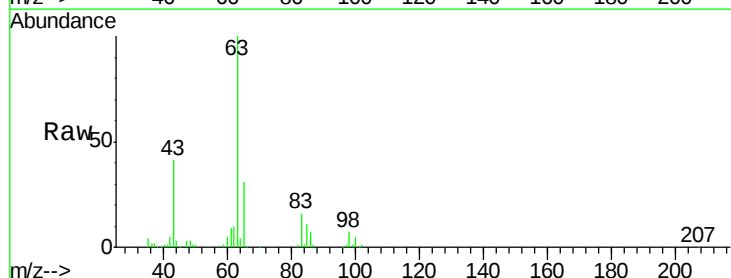
Tgt Ion: 63 Resp: 221892

Ion Ratio Lower Upper

63 100

98 7.2 3.9 11.5

100 5.4 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

80000

60000

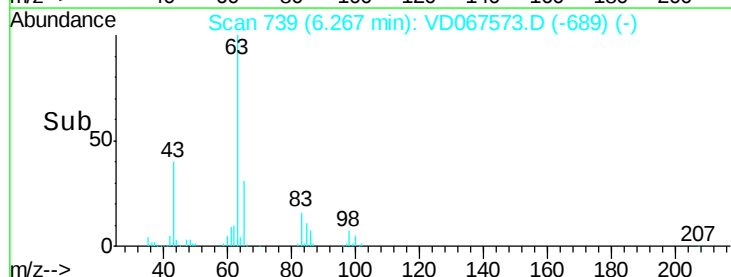
40000

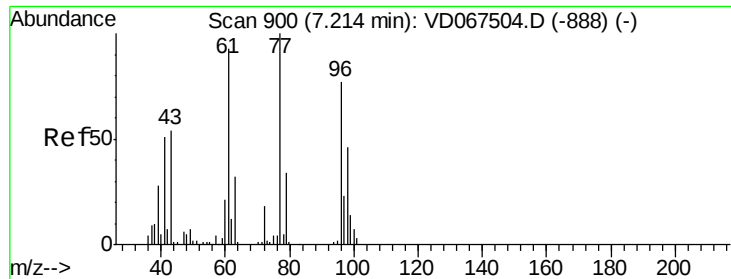
20000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 246.557 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 112569

Ion Ratio Lower Upper

43 100

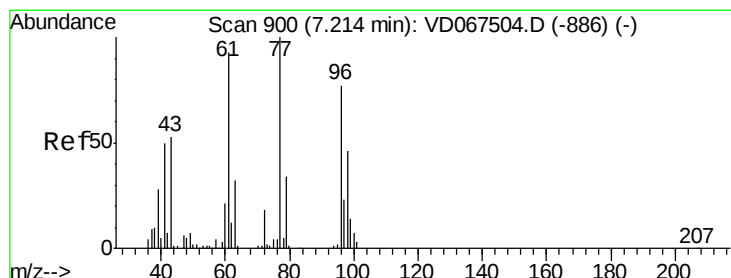
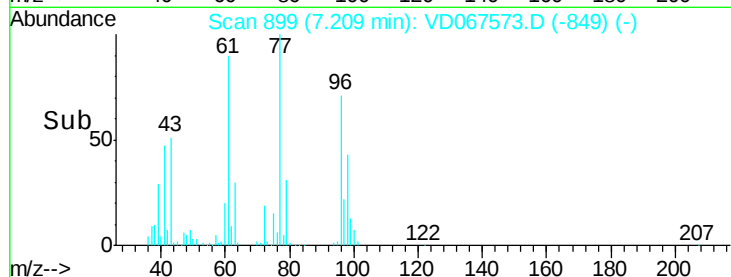
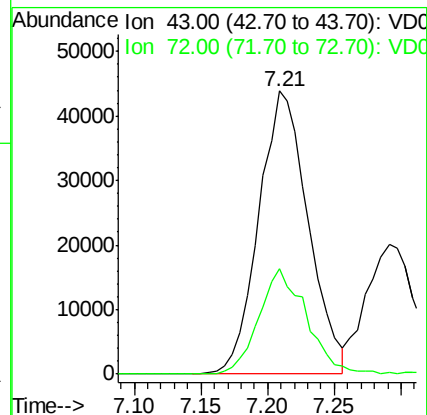
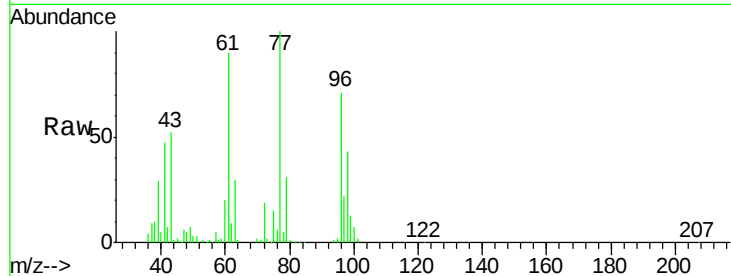
72 37.2 26.4 39.6

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#26

2,2-Dichloropropane

Concen: 50.798 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067573.D

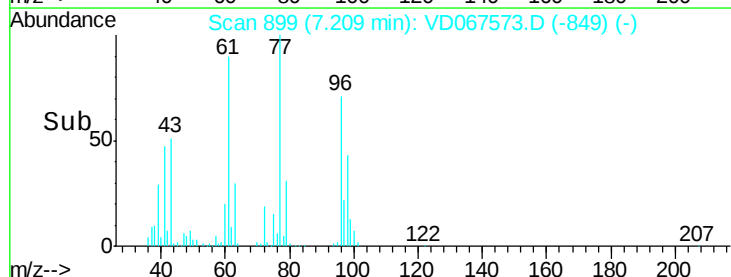
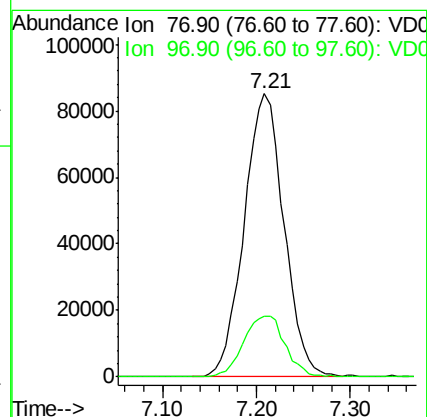
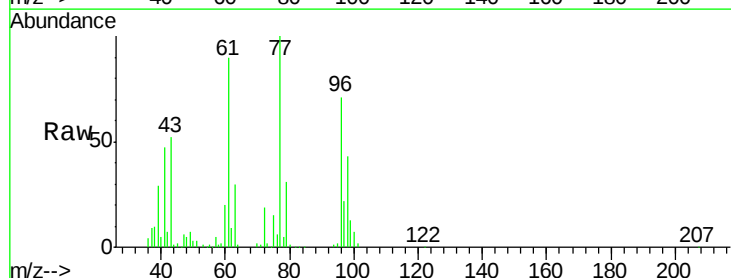
Acq: 10 Nov 2020 10:39

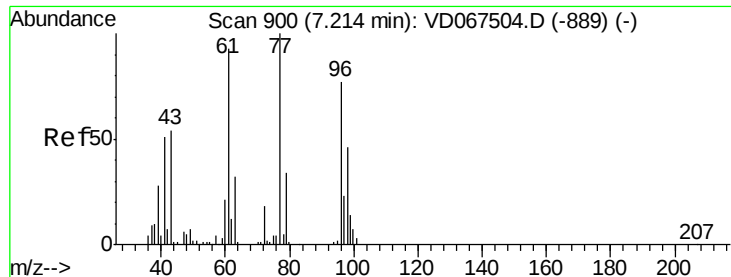
Tgt Ion: 77 Resp: 249319

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3





#27

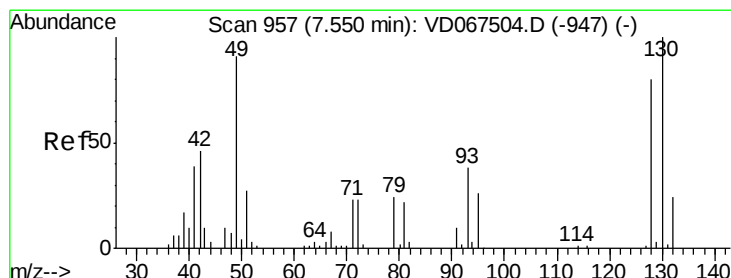
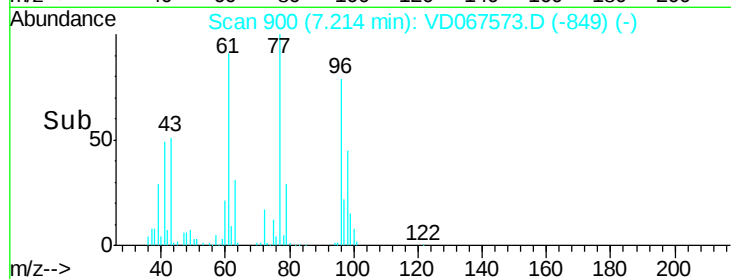
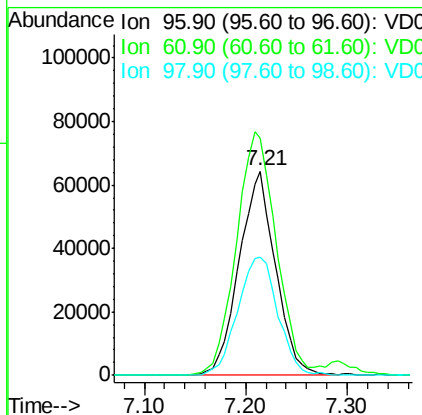
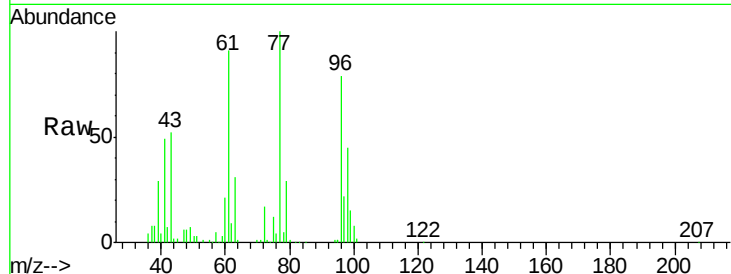
cis-1,2-Dichloroethene
Concen: 48.701 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	130.4	0.0	251.6
98	63.9	0.0	128.0

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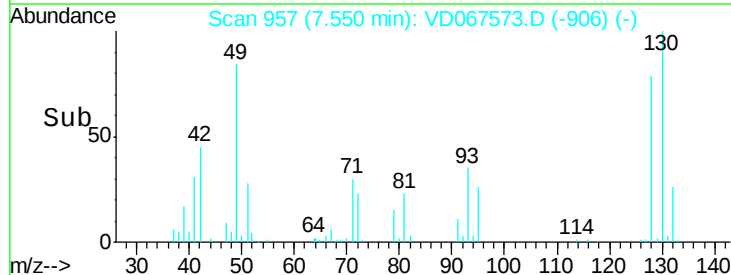
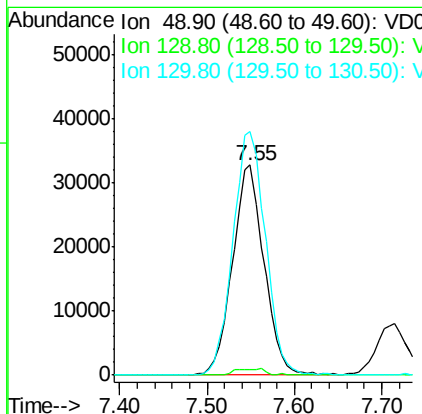
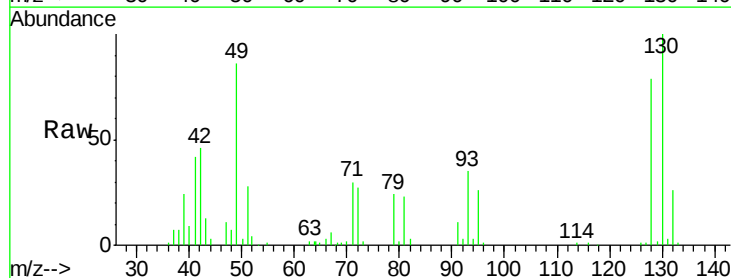
MMDadoda
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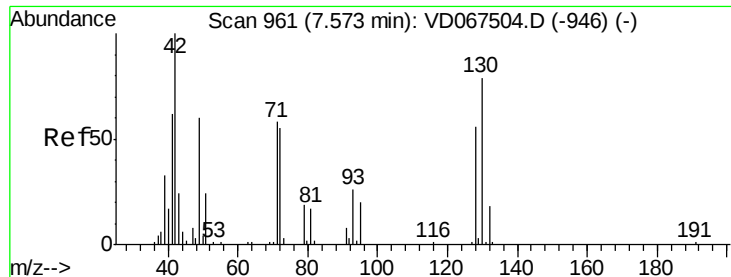


#28

Bromochloromethane
Concen: 48.269 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.8	0.0	6.4
130	119.9	94.6	142.0





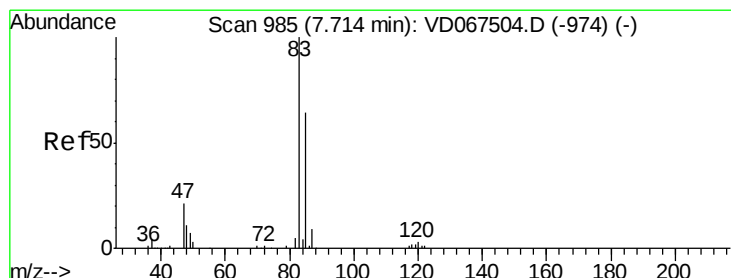
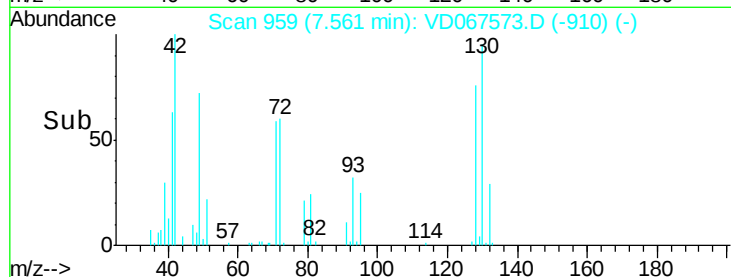
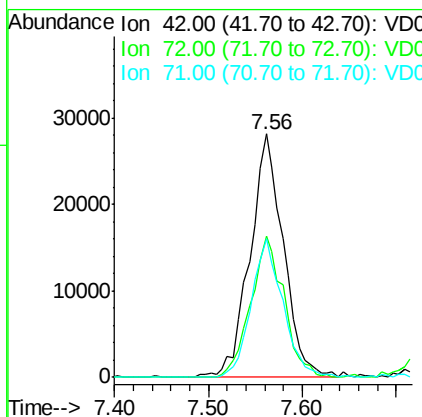
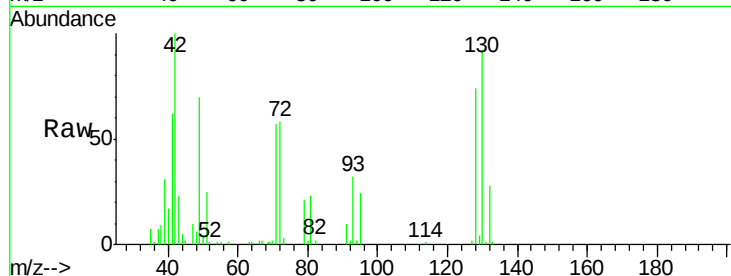
#29
Tetrahydrofuran
Concen: 253.152 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	57.8	46.3	69.5
71	54.4	44.0	66.0

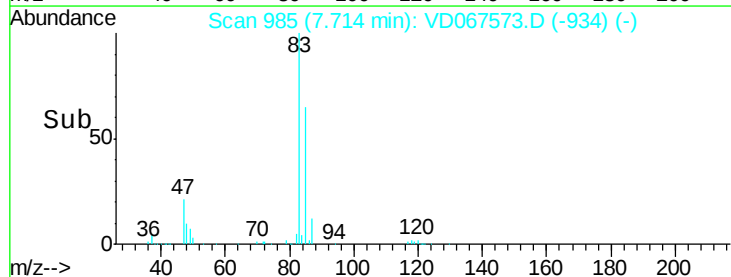
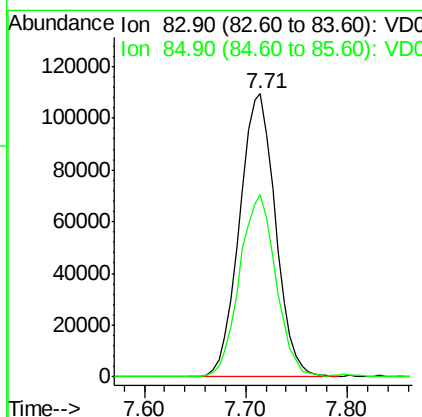
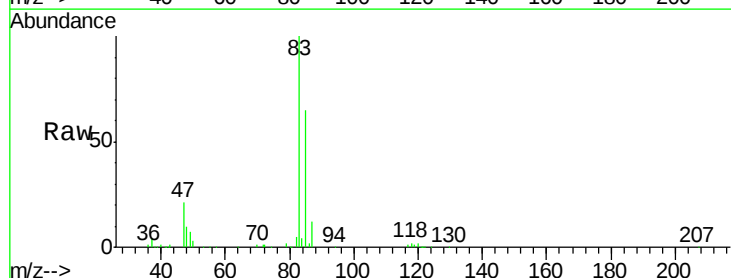
Manual Integrations
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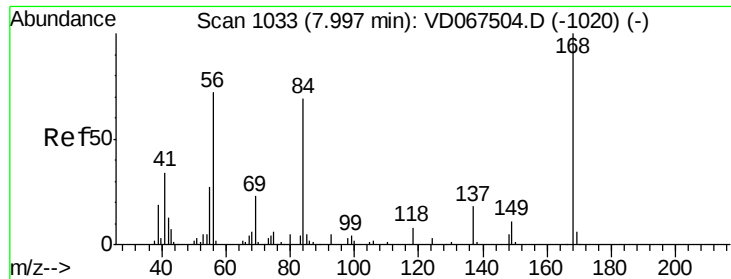
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#30
Chloroform
Concen: 48.679 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.5	77.3





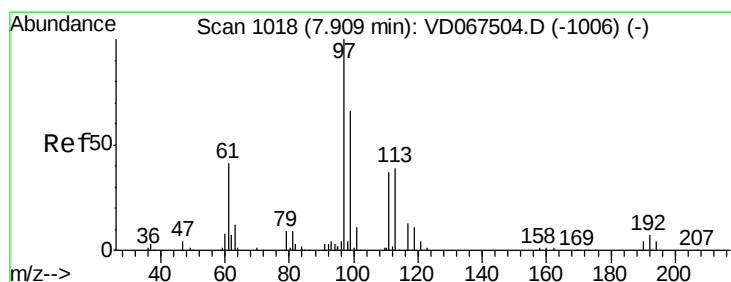
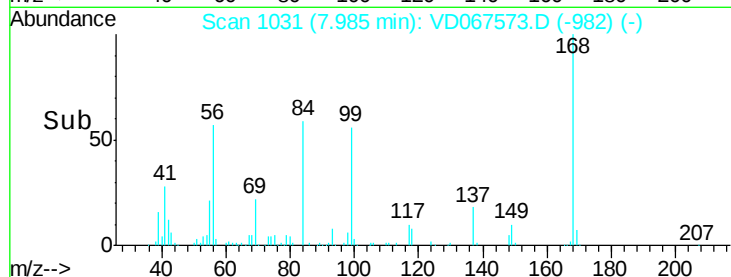
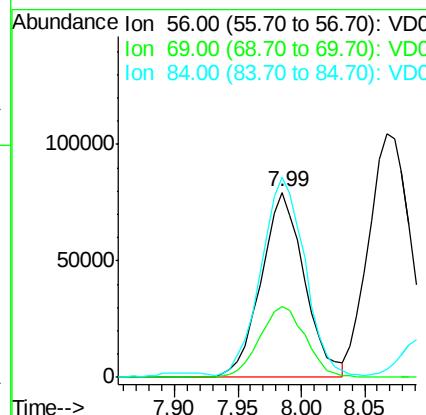
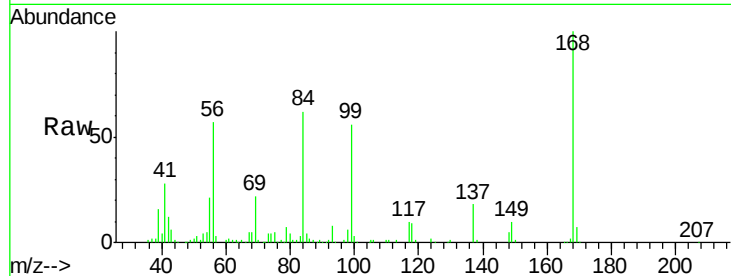
#31
Cyclohexane
Concen: 45.675 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.8	25.9	38.9
84	106.2	76.2	114.4

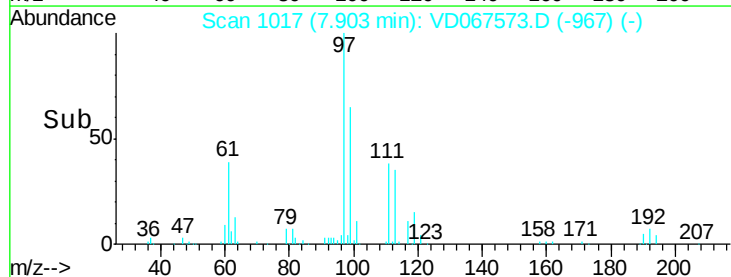
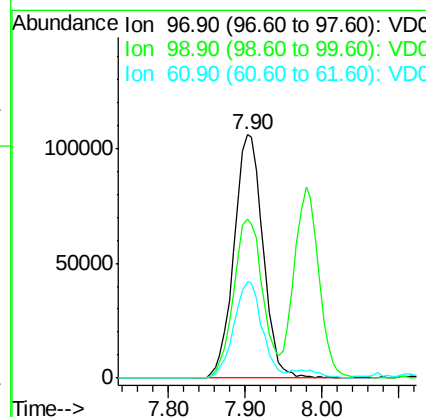
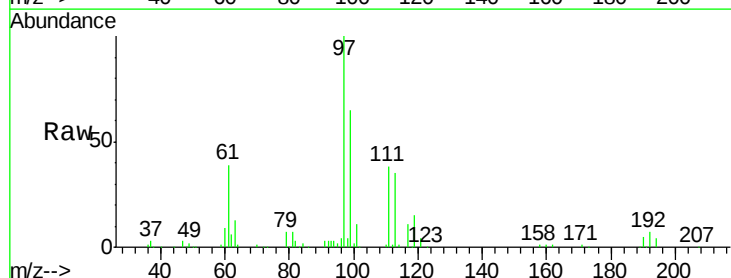
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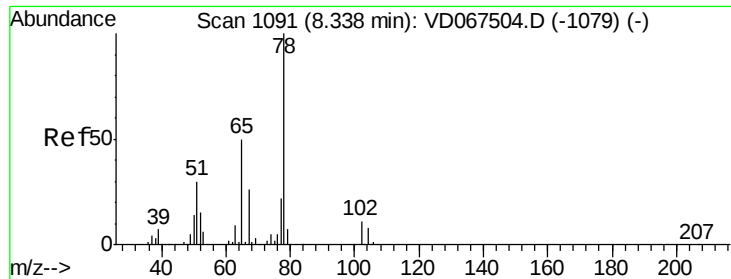
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#32
1,1,1-Trichloroethane
Concen: 48.744 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.5	51.8	77.6
61	38.5	30.5	45.7





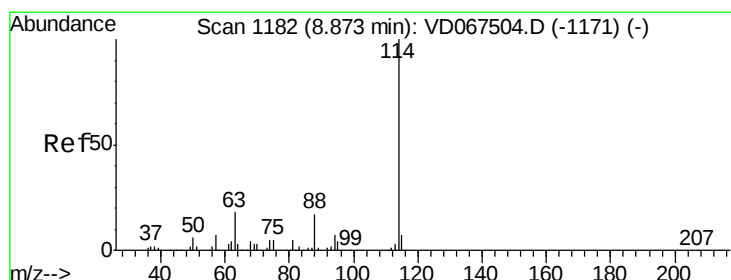
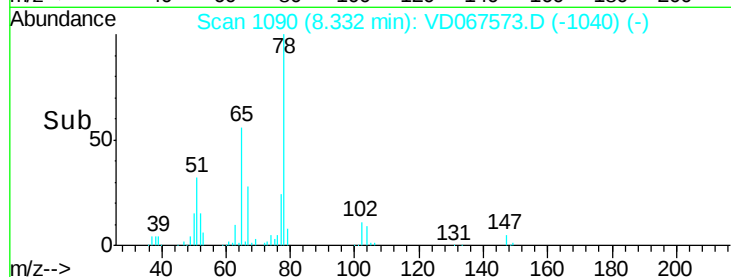
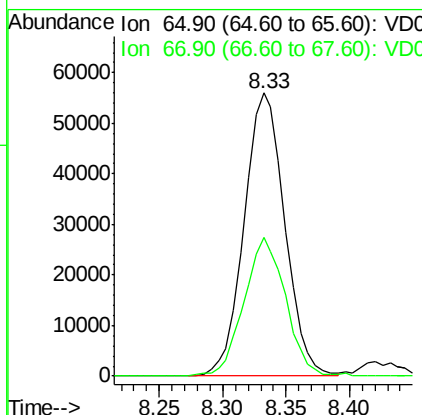
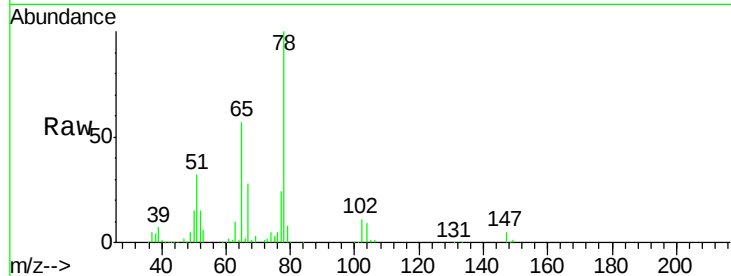
#33
 1,2-Dichloroethane-d4
 Concen: 43.737 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	99.4

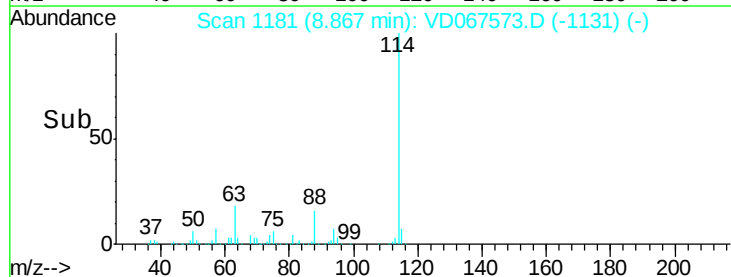
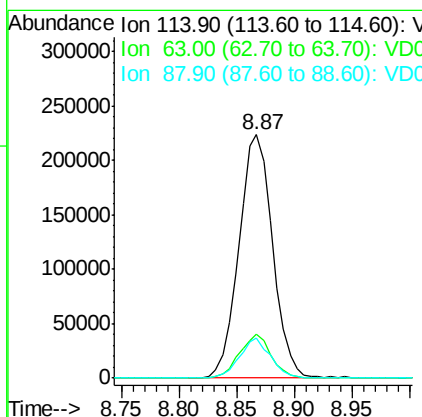
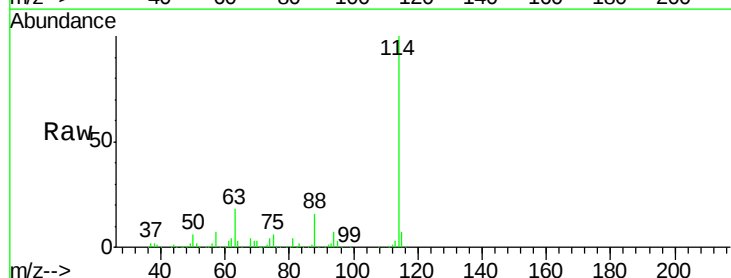
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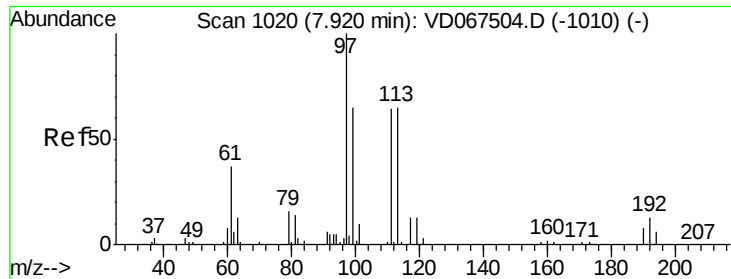
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	35.0
88	16.2	0.0	33.0





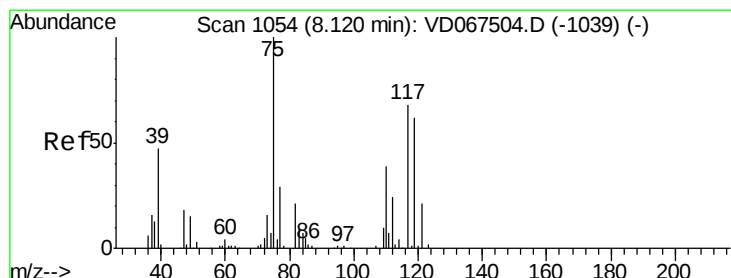
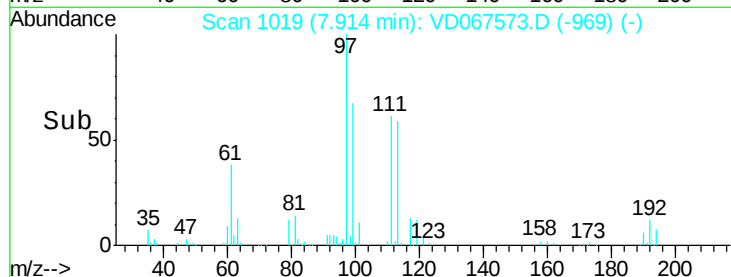
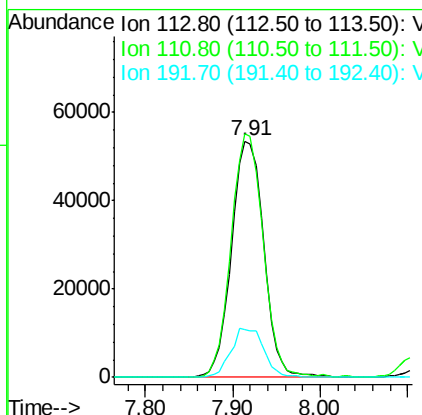
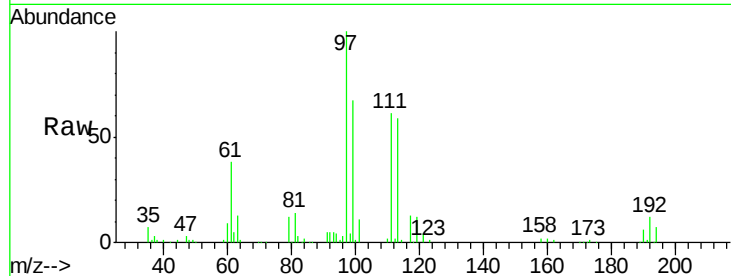
#35
 Dibromofluoromethane
 Concen: 48.869 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	133714		
111	102.5	80.0	120.0	
192	20.9	16.3	24.5	

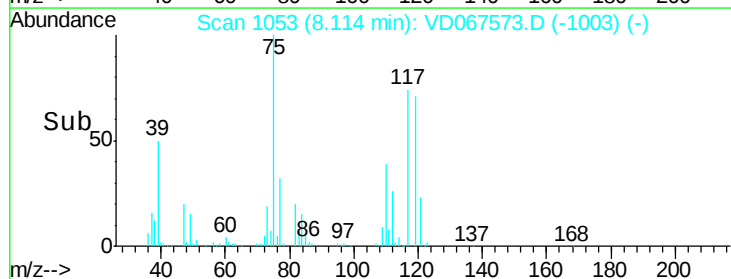
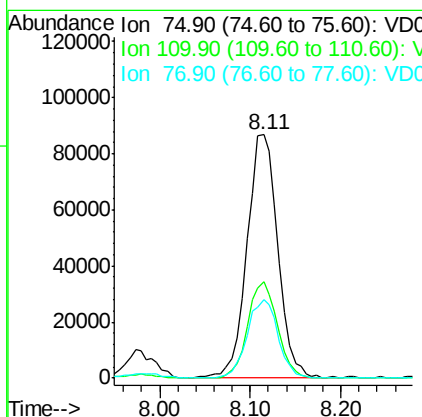
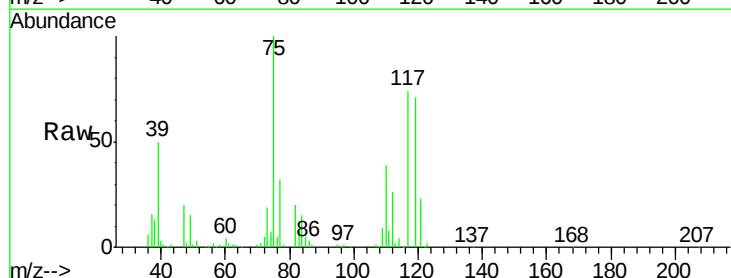
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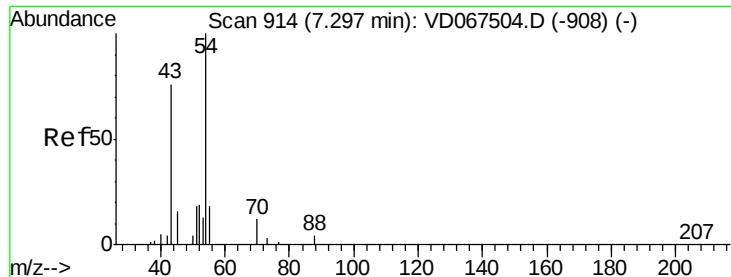
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#36
 1,1-Dichloropropene
 Concen: 52.623 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	204564		
110	38.1	19.9	59.7	
77	32.5	24.8	37.2	





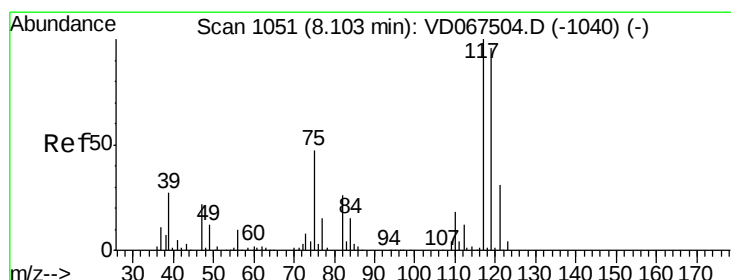
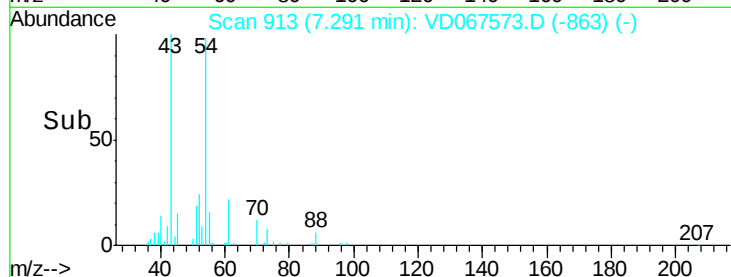
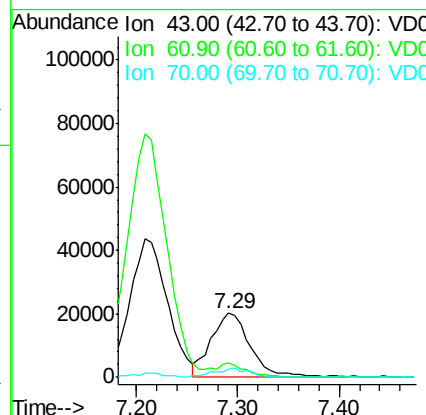
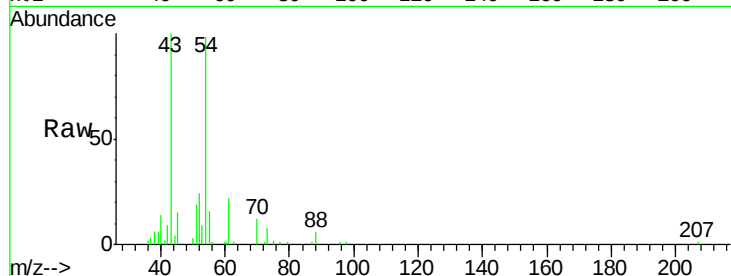
#37
Ethyl Acetate
Concen: 53.740 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.4	12.8	19.2
70	13.0	11.7	17.5

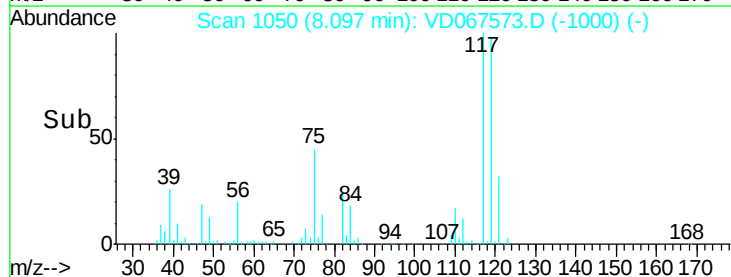
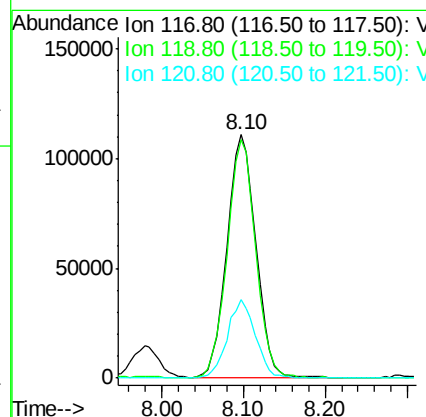
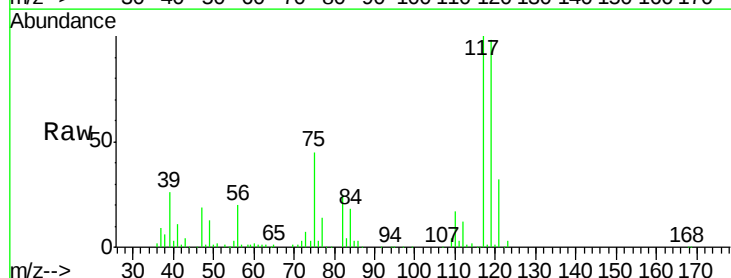
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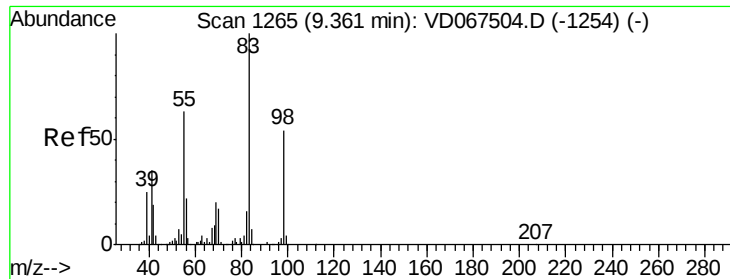
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#38
Carbon Tetrachloride
Concen: 53.987 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.1	76.9	115.3
121	32.5	24.5	36.7





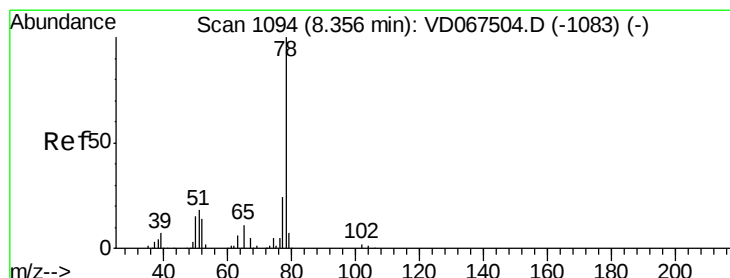
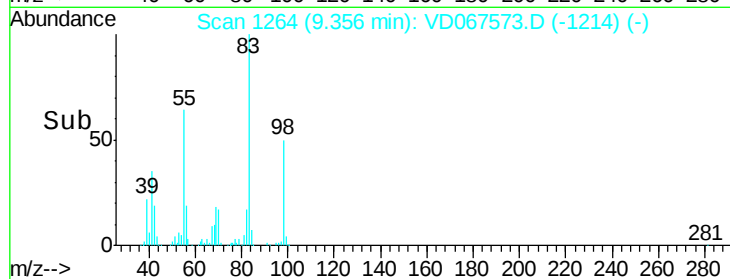
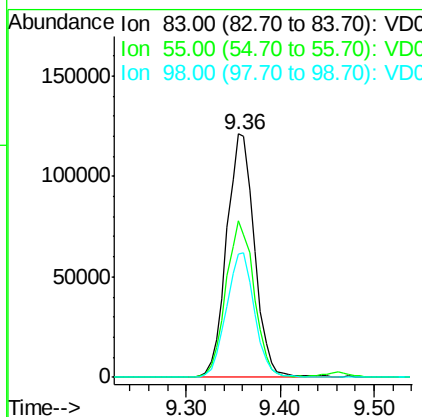
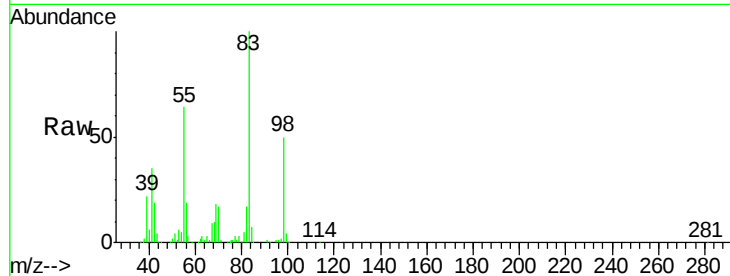
#39
Methvlcvclohexane
Concen: 54.582 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	64.2	50.5	75.7
98	50.5	43.4	65.0

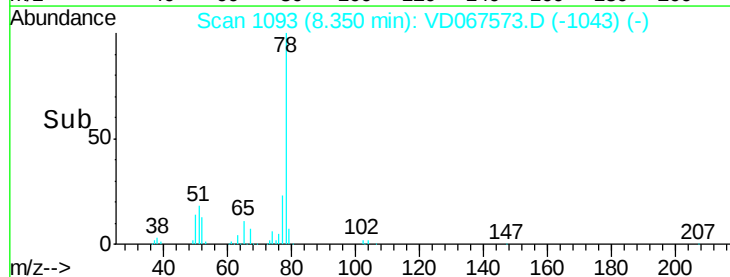
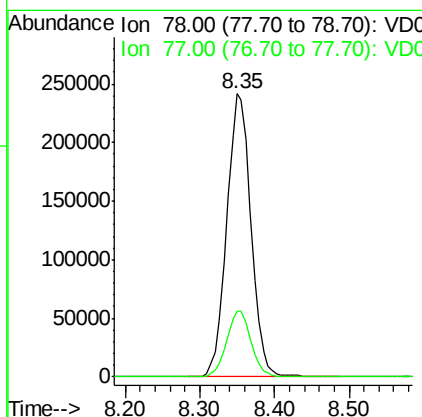
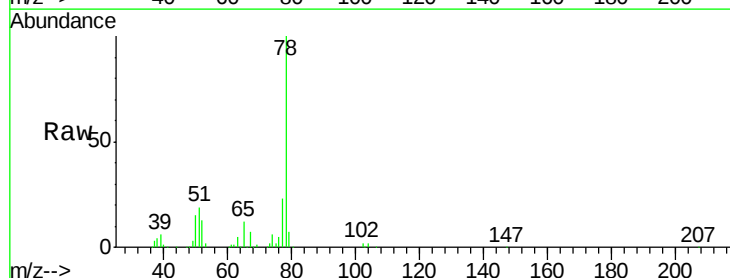
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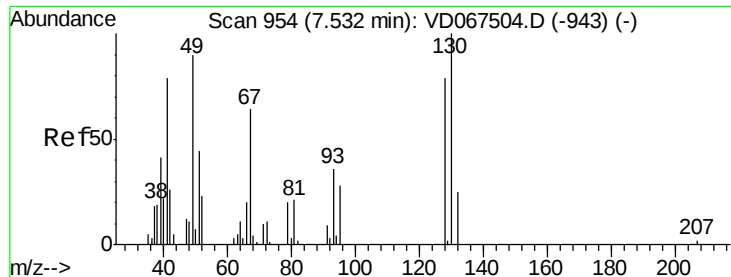
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#40
Benzene
Concen: 51.829 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.1	28.7





#41

Methacrylonitrile

Concen: 53.709 ug/l

RT: 7.53 min Scan# 954

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 32400

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 87.5 78.9 118.3

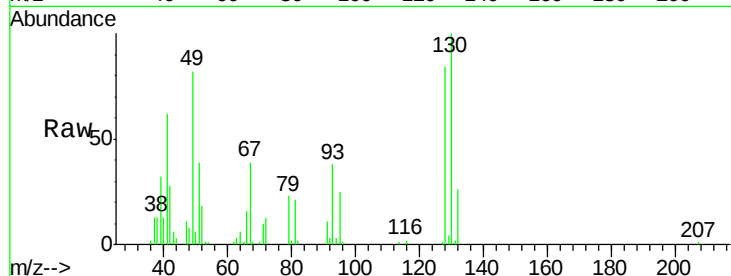
52 37.1 31.4 47.2

Manual Integrations

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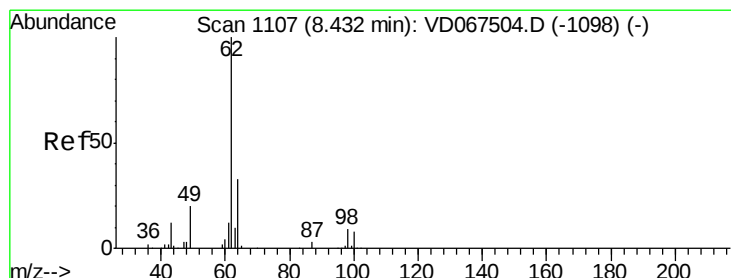
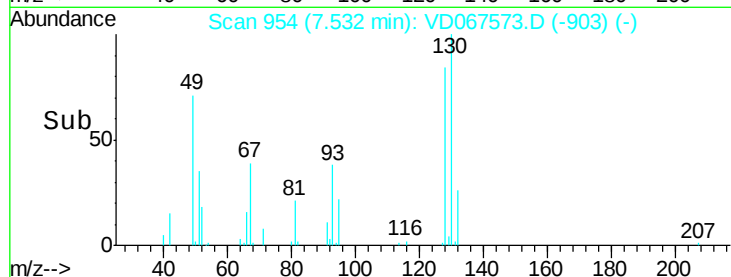
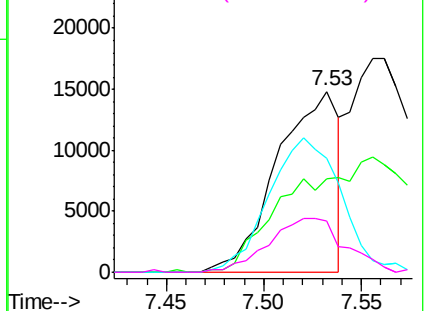


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.719 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067573.D

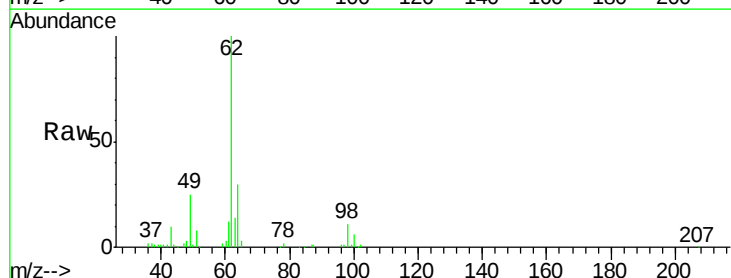
Acq: 10 Nov 2020 10:39

Tgt Ion: 62 Resp: 161754

Ion Ratio Lower Upper

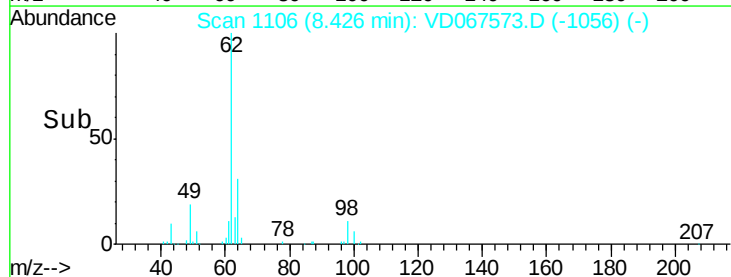
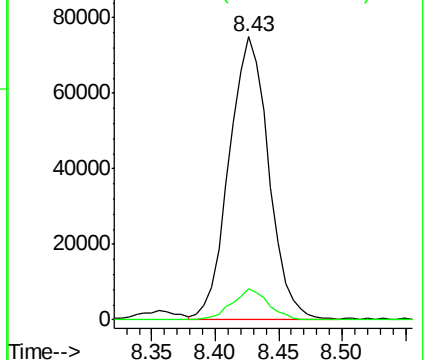
62 100

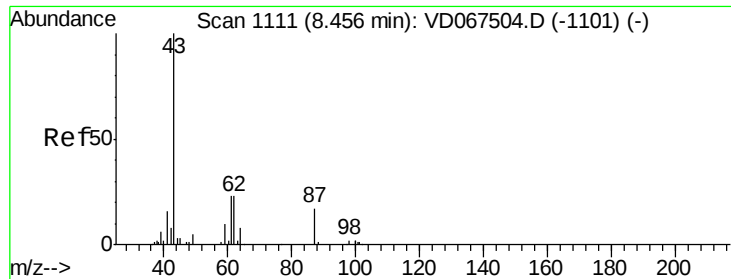
98 10.2 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.794 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

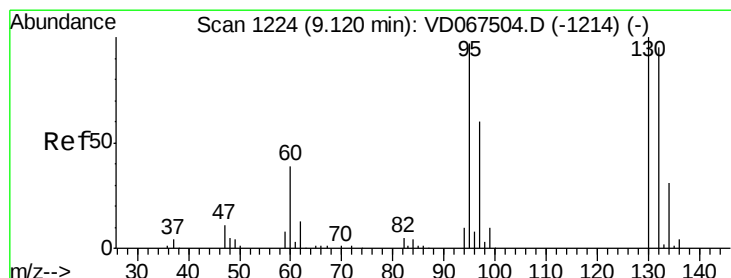
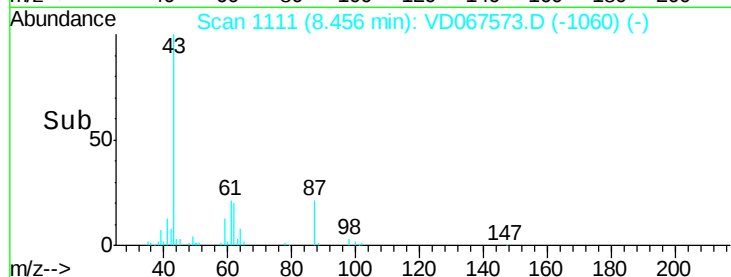
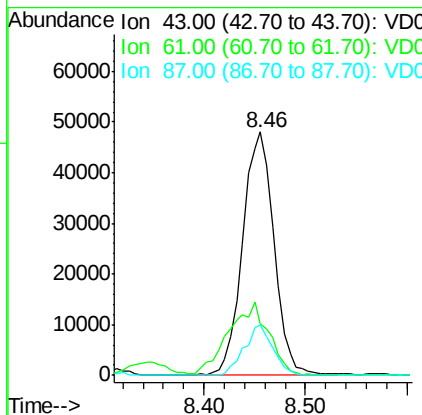
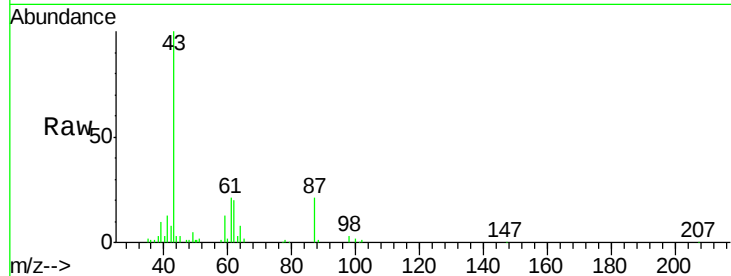
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	103377
Ion	Ratio	Lower	Upper
43	100		
61	38.5	30.5	45.7
87	18.9	14.7	22.1

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#44

Trichloroethene

Concen: 51.234 ug/l

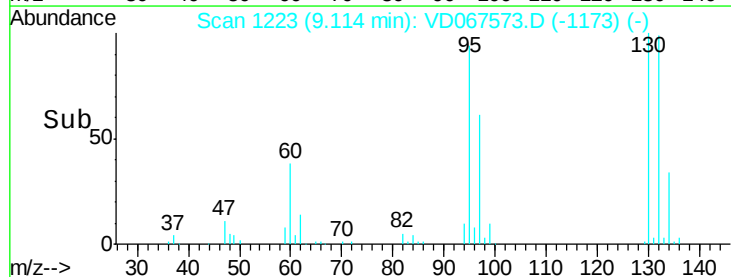
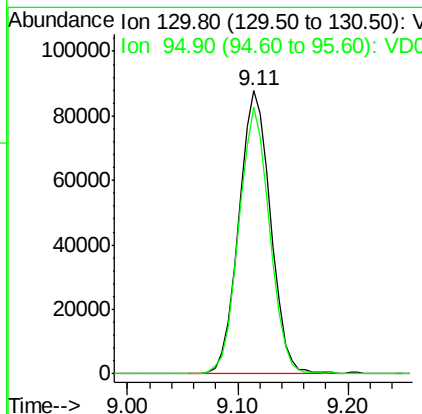
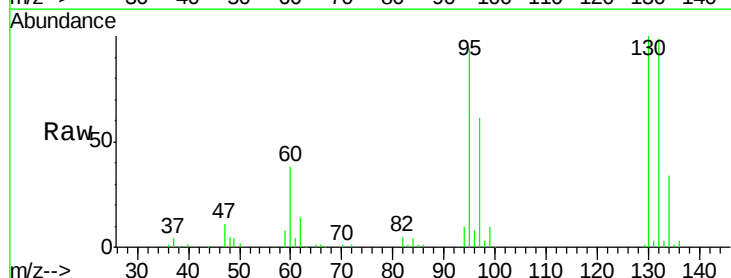
RT: 9.11 min Scan# 1223

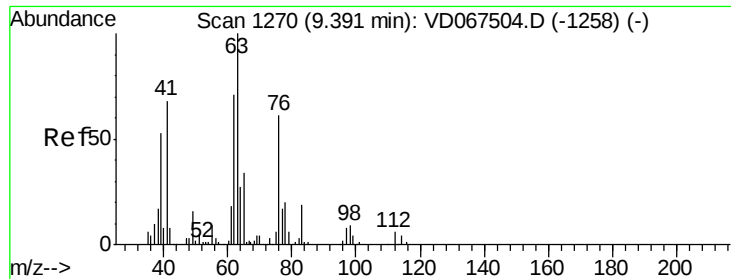
Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Tgt Ion:	130	Resp:	177388
Ion	Ratio	Lower	Upper
130	100		
95	94.0	0.0	194.4





#45

1,2-Dichloropropane

Concen: 52.013 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 118413

Ion Ratio Lower Upper

63 100

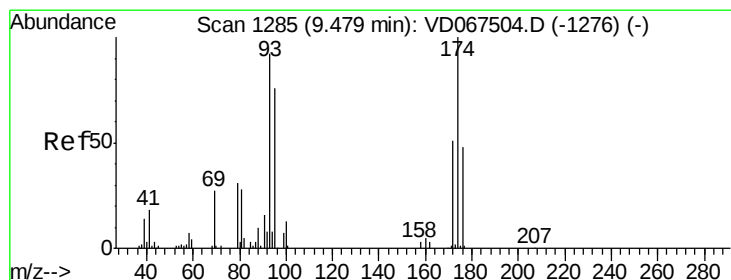
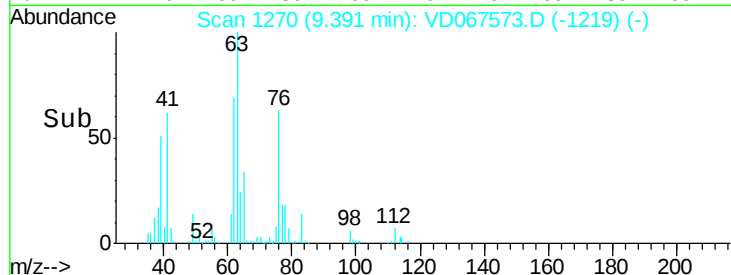
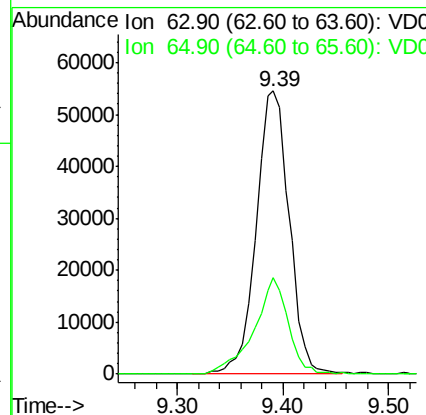
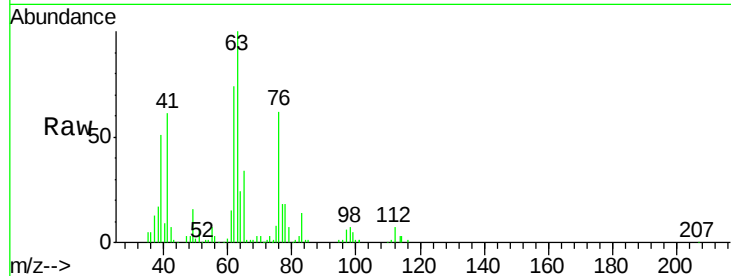
65 34.1 26.9 40.3

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#46

Dibromomethane

Concen: 49.642 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

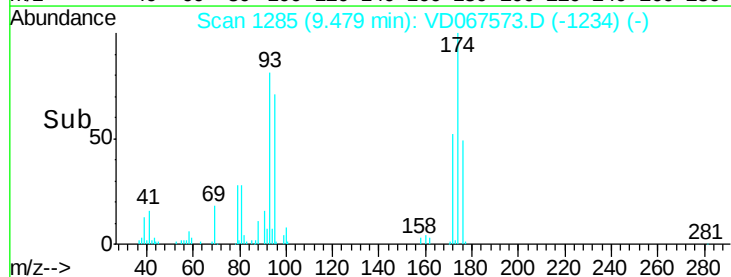
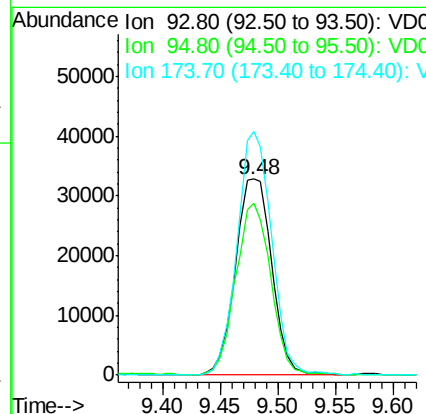
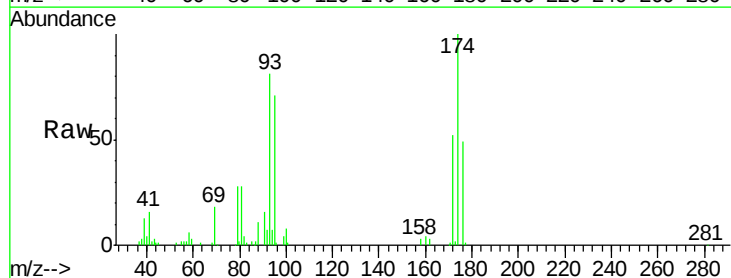
Tgt Ion: 93 Resp: 71858

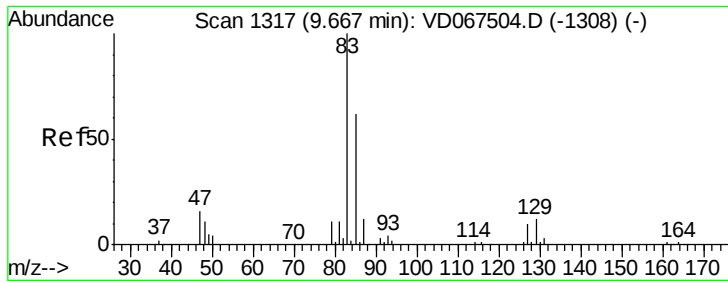
Ion Ratio Lower Upper

93 100

95 84.6 66.4 99.6

174 118.0 88.2 132.4





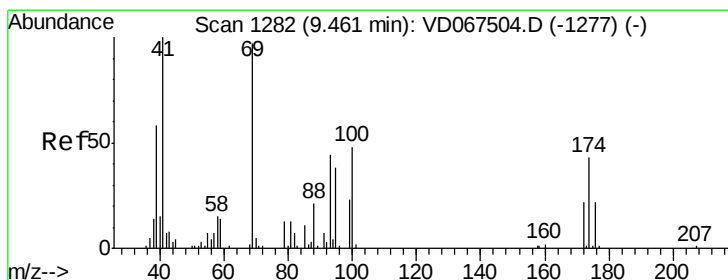
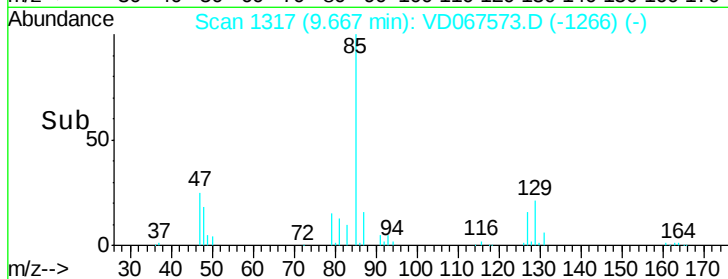
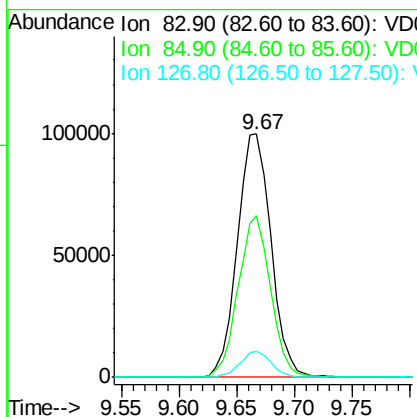
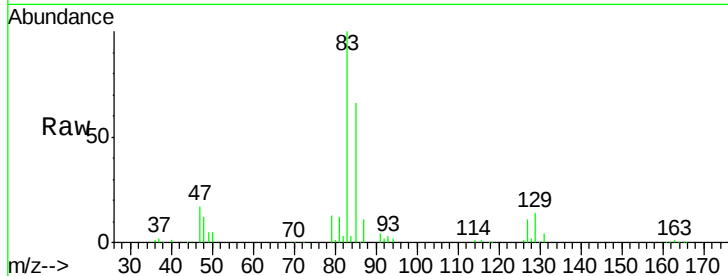
#47
Bromodichloromethane
Concen: 51.518 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	202695		
85	66.5	49.4	74.2	
127	10.6	7.7	11.5	

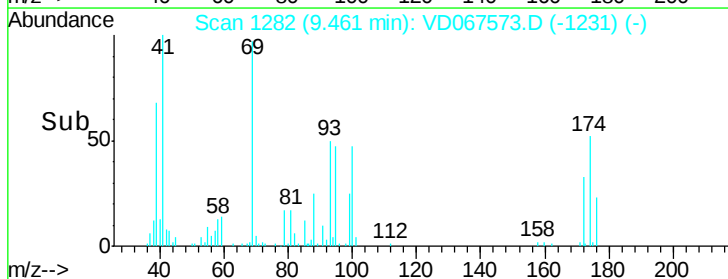
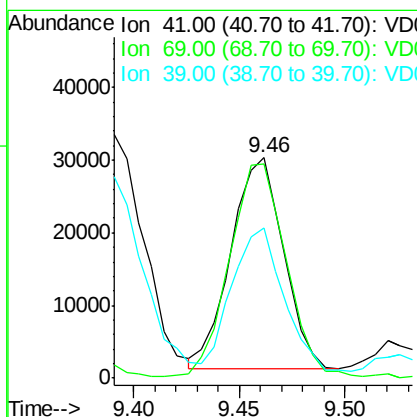
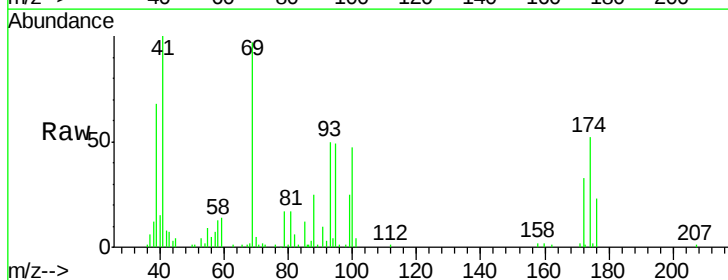
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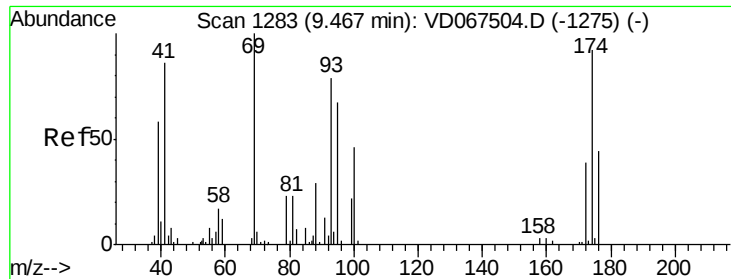
MMDadoda
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#48
Methyl methacrylate
Concen: 48.355 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	49832		
69	109.3	80.6	121.0	
39	67.0	50.2	75.4	





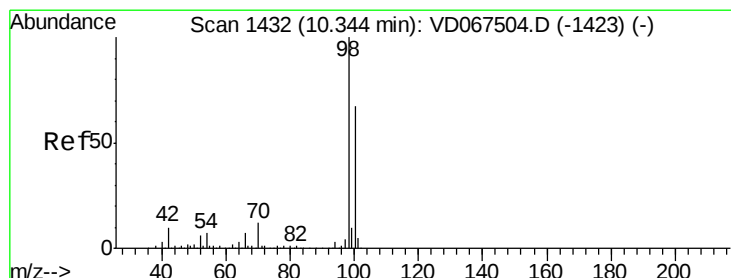
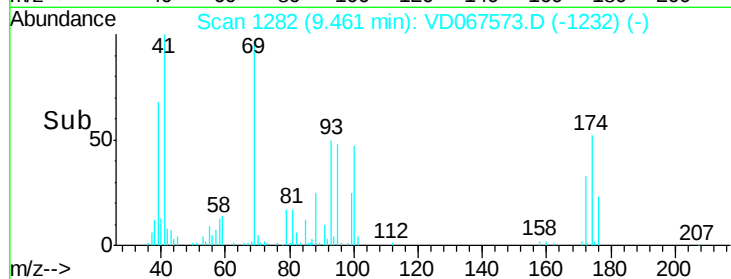
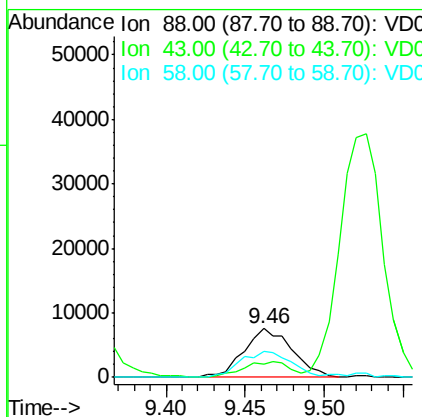
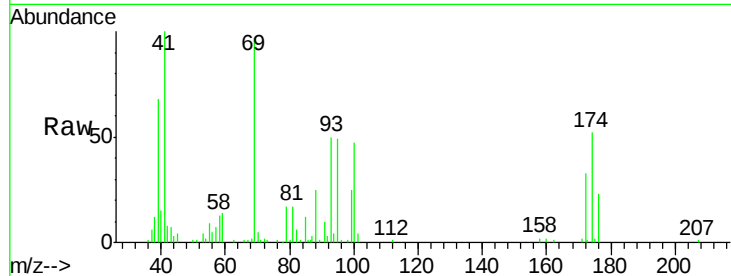
#49
1,4-Dioxane
Concen: 1084.385 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	15935
Ion	Ratio	Lower	Upper
88	100		
43	31.3	23.6	35.4
58	57.6	44.7	67.1

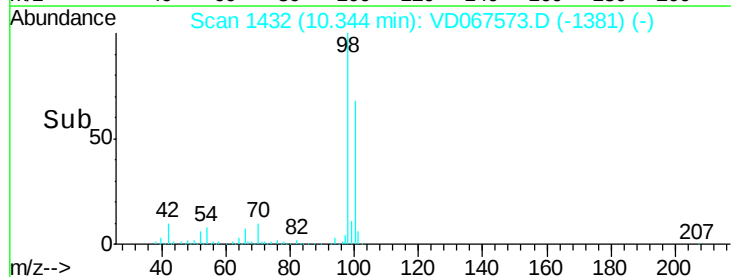
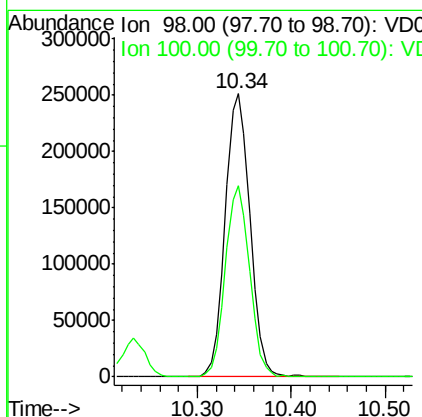
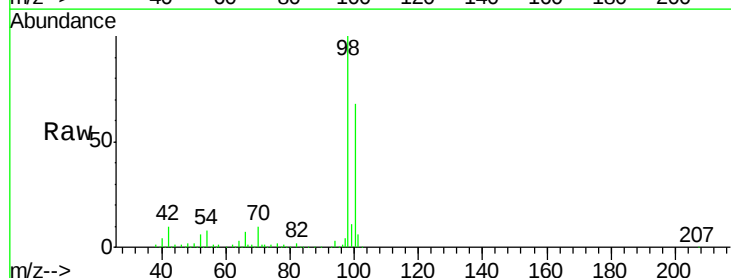
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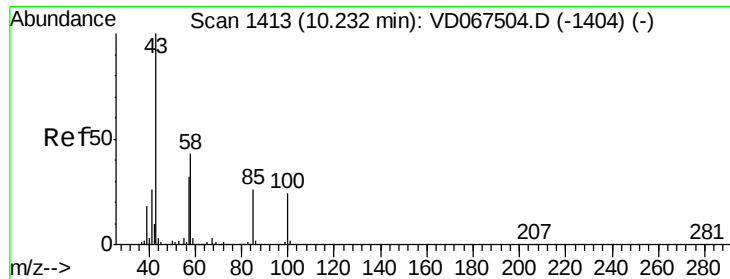
MMDadoda
11/11/2020 1:04:07 PM



#50
Toluene-d8
Concen: 47.979 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	98	Resp	461342
Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 269.664 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 257409

Ion Ratio Lower Upper

43 100

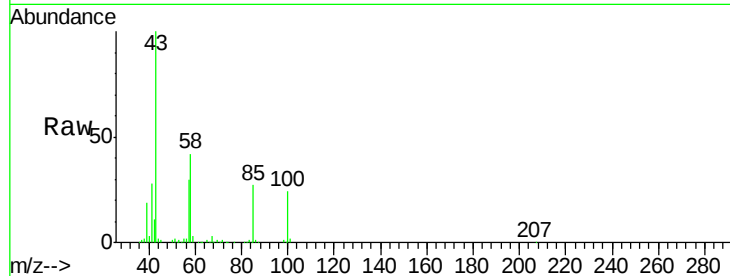
58 43.2 35.6 53.4

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

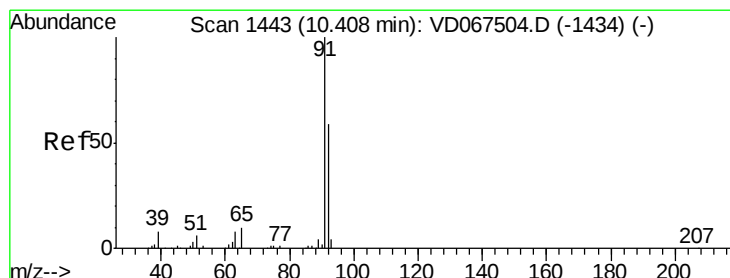
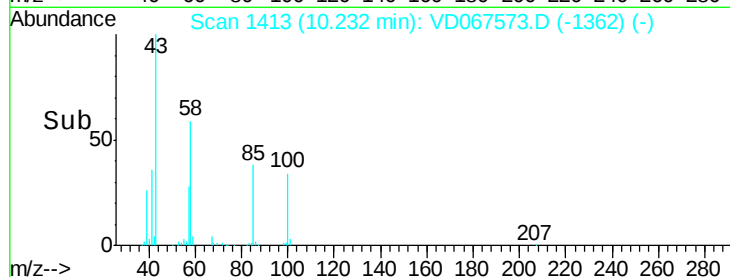
150000

100000

50000

0

Time--> 10.10 10.20 10.30



#52

Toluene

Concen: 53.236 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.01 min

Lab File: VD067573.D

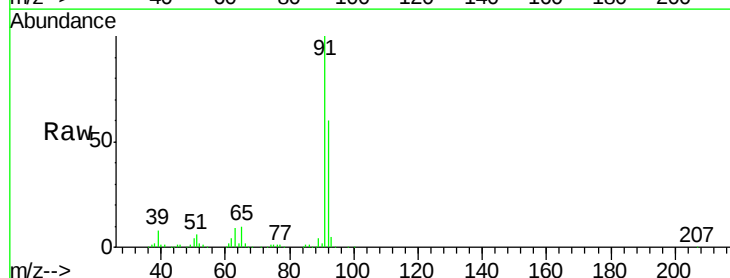
Acq: 10 Nov 2020 10:39

Tgt Ion: 92 Resp: 375468

Ion Ratio Lower Upper

92 100

91 170.8 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

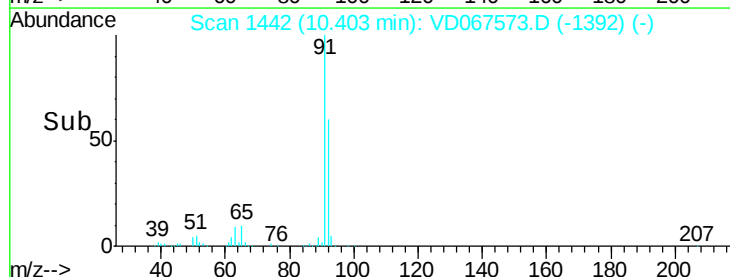
300000

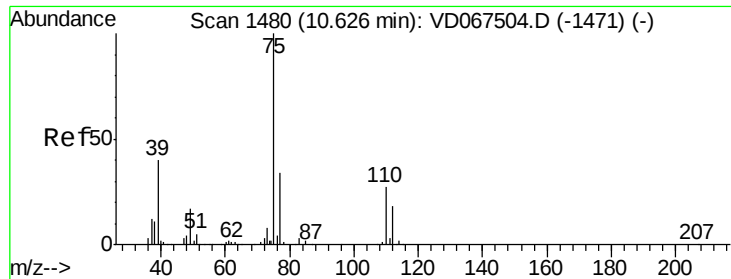
200000

100000

0

Time--> 10.30 10.40 10.50





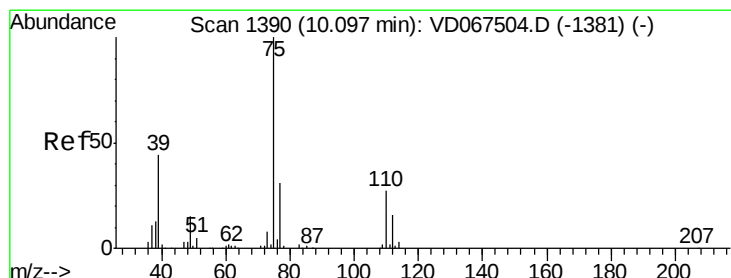
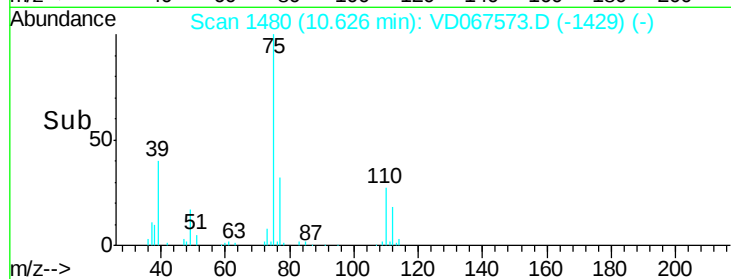
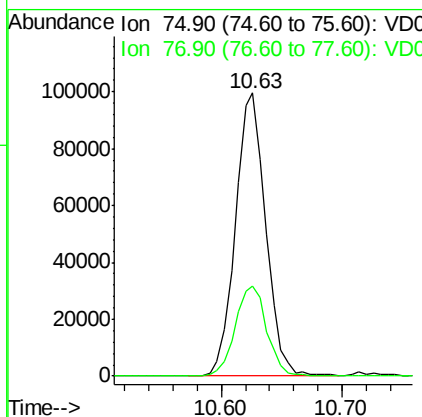
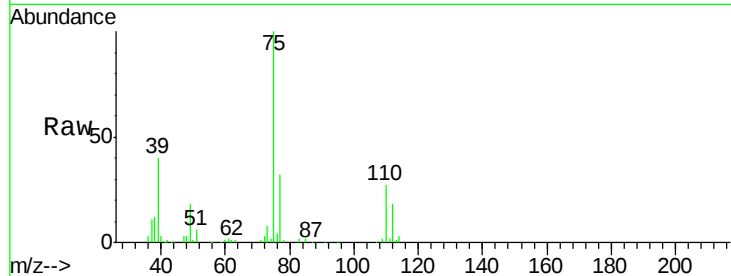
#53
 t-1,3-Dichloropropene
 Concen: 51.634 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 173988
 Ion Ratio Lower Upper
 75 100
 77 31.8 27.0 40.6

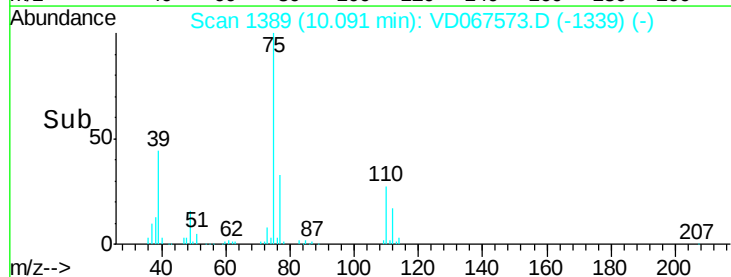
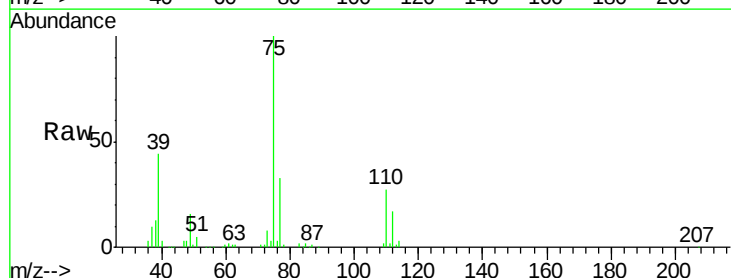
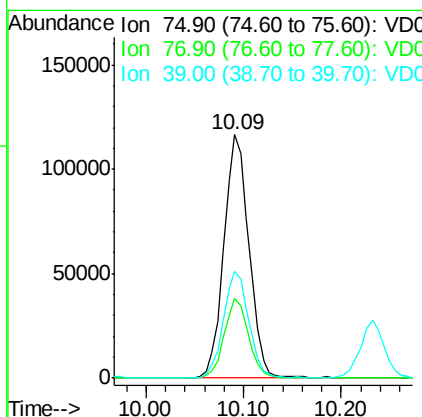
Manual Integrations
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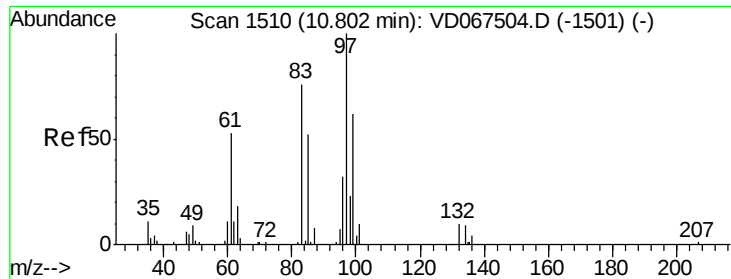
MMDadoda
 11/11/2020 1:04:07 PM



#54
 cis-1,3-Dichloropropene
 Concen: 51.961 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion: 75 Resp: 208029
 Ion Ratio Lower Upper
 75 100
 77 32.5 24.4 36.6
 39 43.4 35.6 53.4





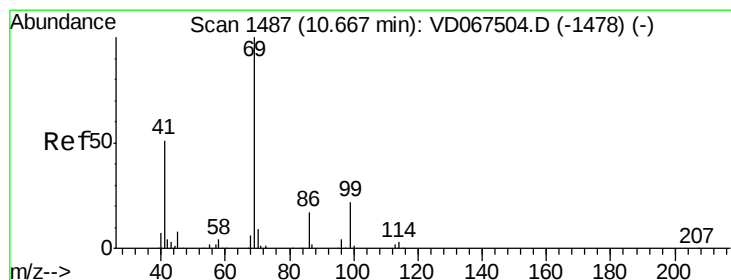
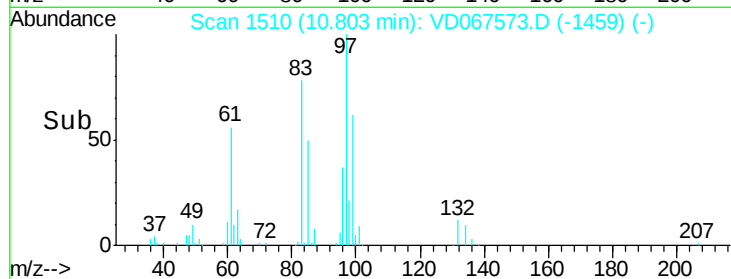
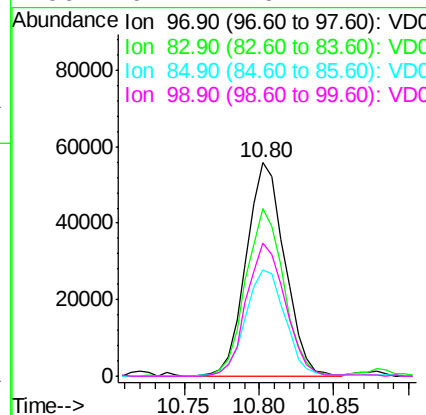
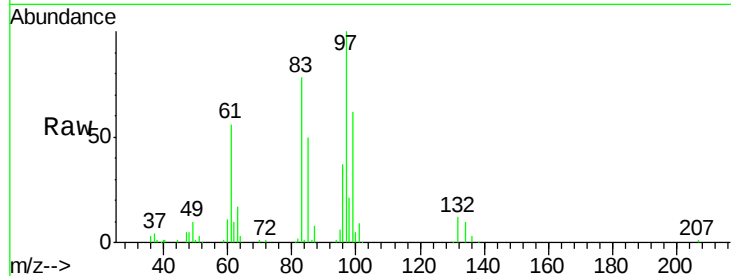
#55
 1,1,2-Trichloroethane
 Concen: 51.954 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	97	Resp	99505
Ion	Ratio	Lower	Upper
97	100		
83	78.2	61.0	91.6
85	49.7	41.5	62.3
99	62.2	49.4	74.2

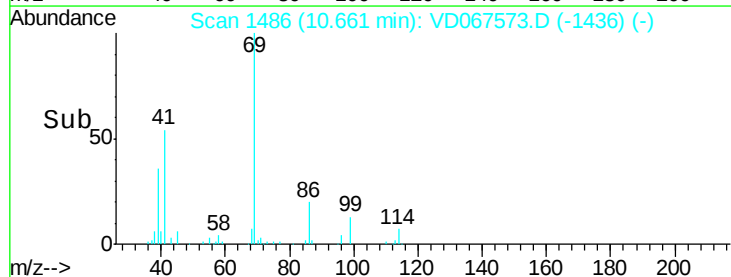
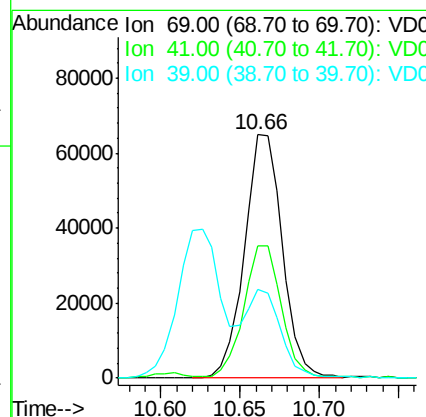
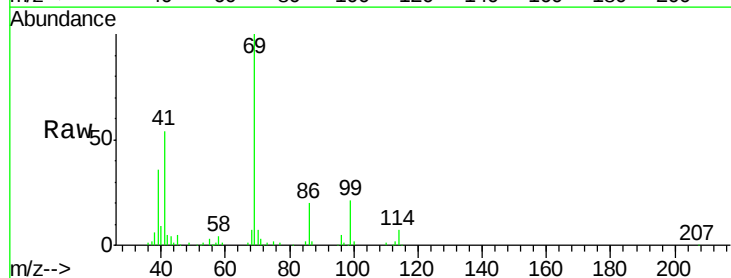
Manual Integrations
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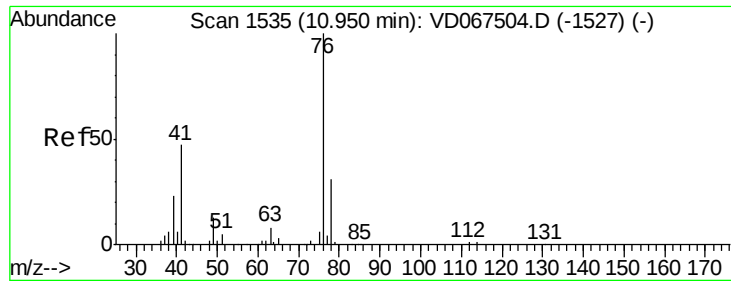
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 11/11/2020 1:04:07 PM



#56
 Ethyl methacrylate
 Concen: 54.441 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion	69	Resp	107674
Ion	Ratio	Lower	Upper
69	100		
41	53.8	45.4	68.0
39	32.1	27.4	41.0





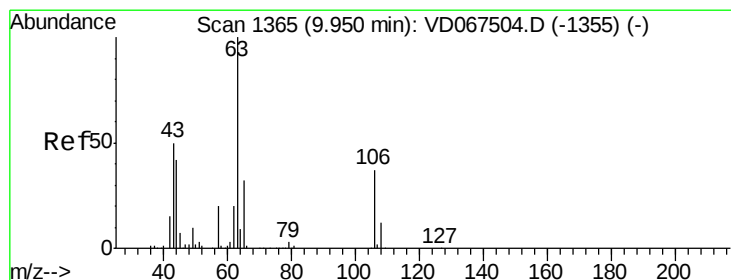
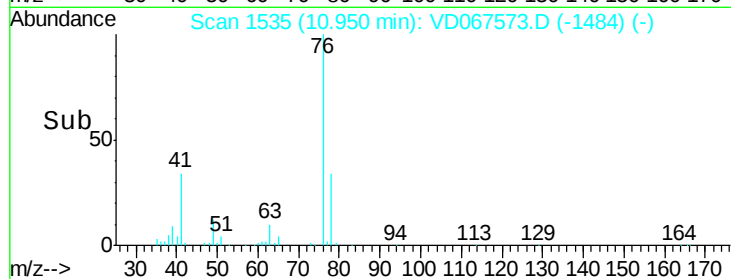
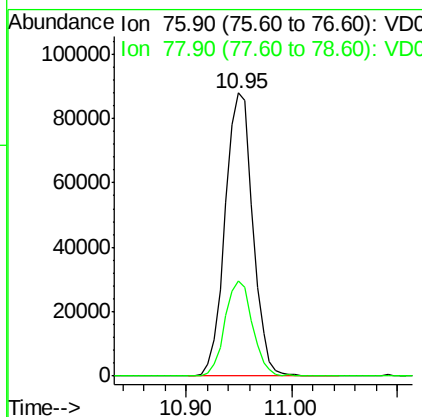
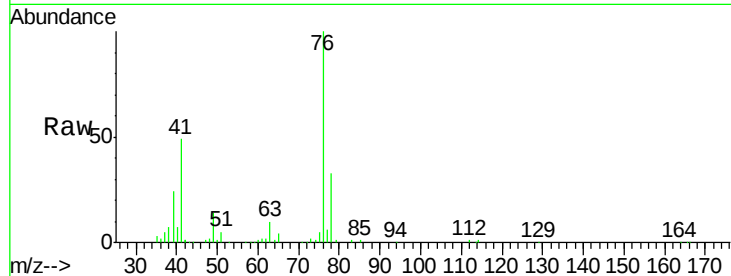
#57
 1,3-Dichloropropane
 Concen: 51.658 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 159212
 Ion Ratio Lower Upper
 76 100
 78 33.4 26.1 39.1

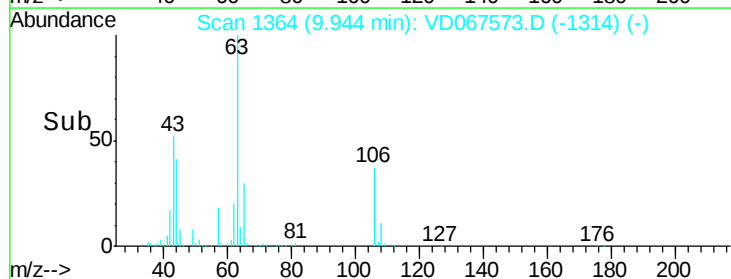
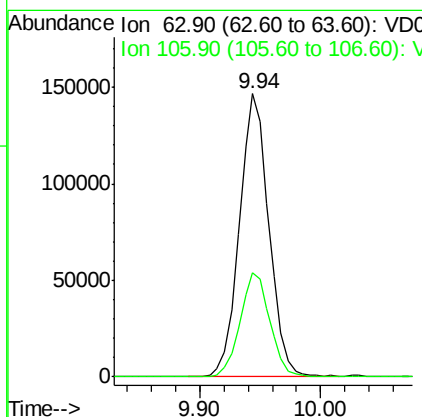
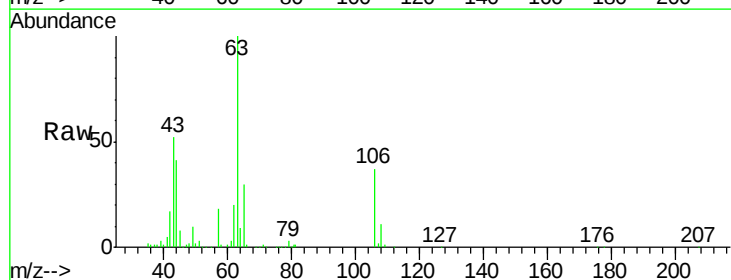
Manual Integrations
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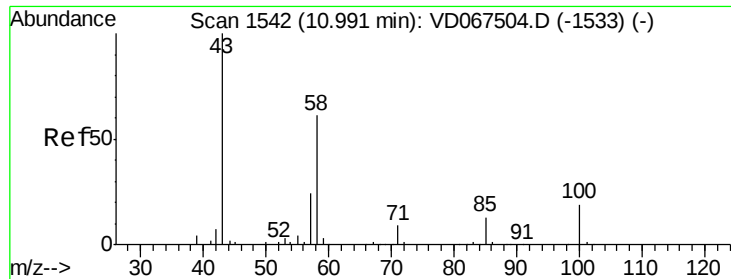
MMDadoda
 11/11/2020 1:04:07 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 270.313 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion: 63 Resp: 249316
 Ion Ratio Lower Upper
 63 100
 106 37.1 29.2 43.8





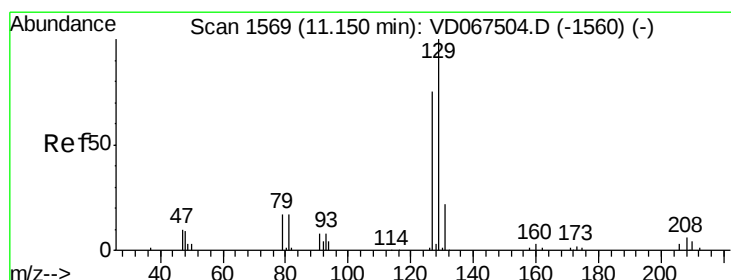
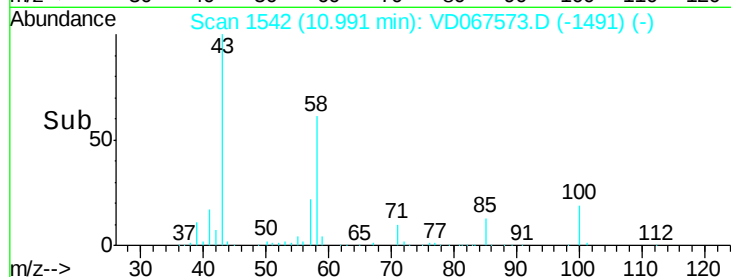
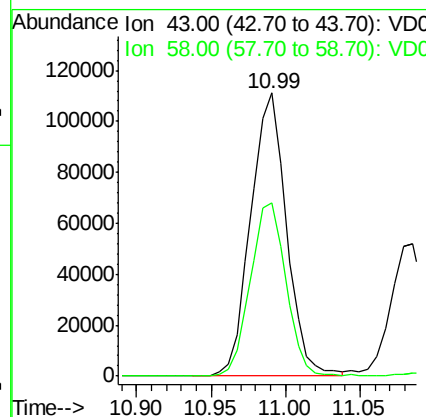
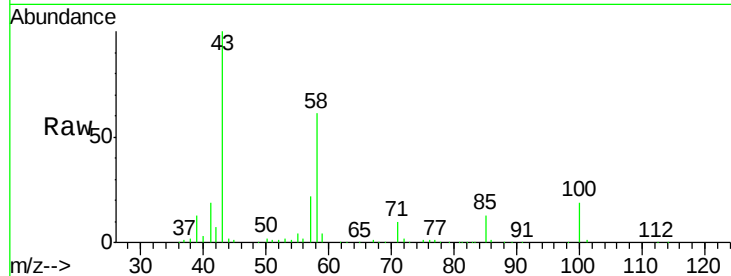
#59
2-Hexanone
Concen: 276.386 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 184467
Ion Ratio Lower Upper
43 100
58 61.0 30.3 90.9

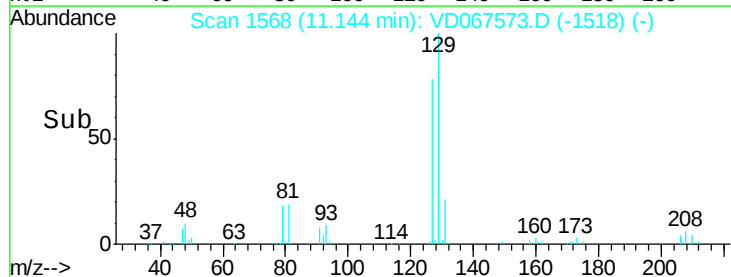
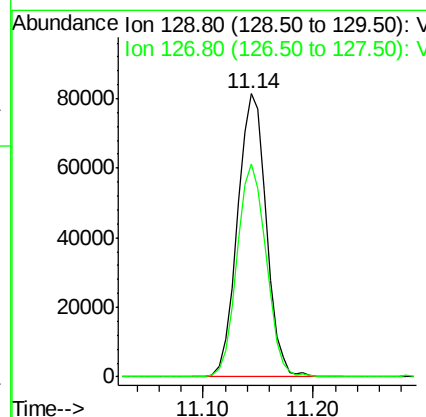
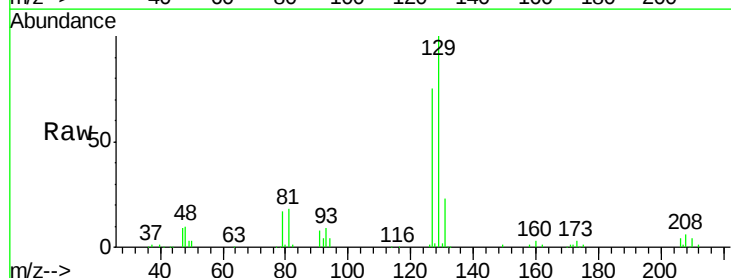
Manual Integrations
APPROVED

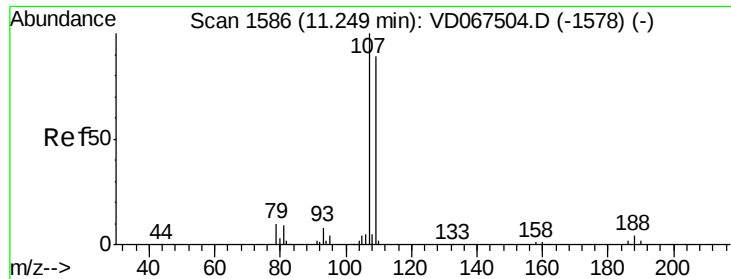
MMDadoda
11/11/2020 1:04:07 PM



#60
Dibromochloromethane
Concen: 52.665 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion: 129 Resp: 149210
Ion Ratio Lower Upper
129 100
127 76.4 38.0 114.1





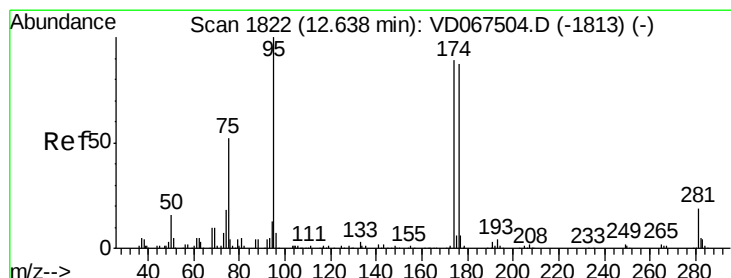
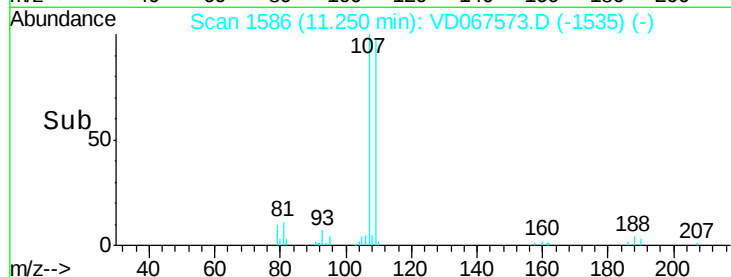
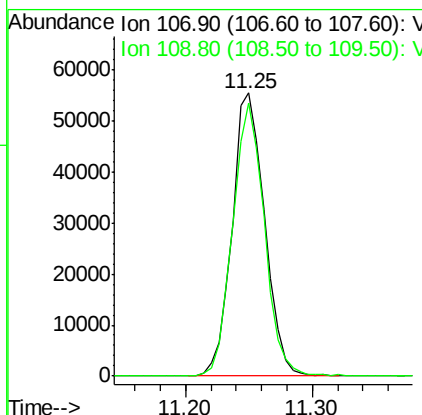
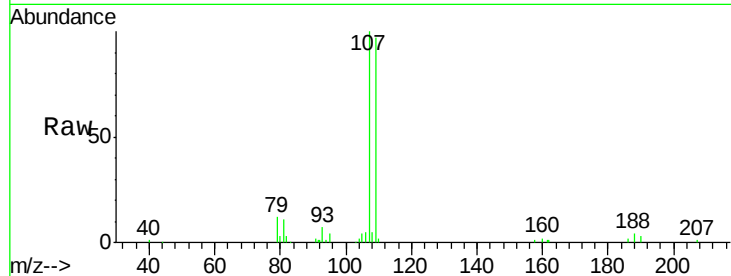
#61
 1,2-Dibromoethane
 Concen: 51.056 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 98142
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.6 111.8

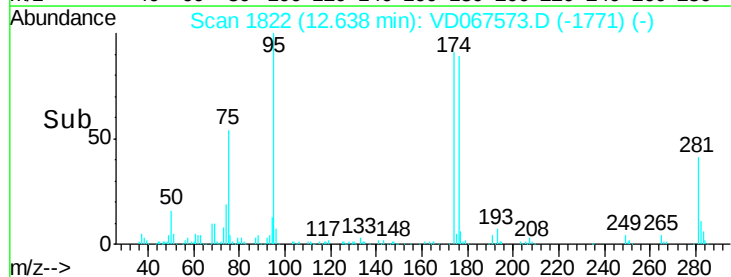
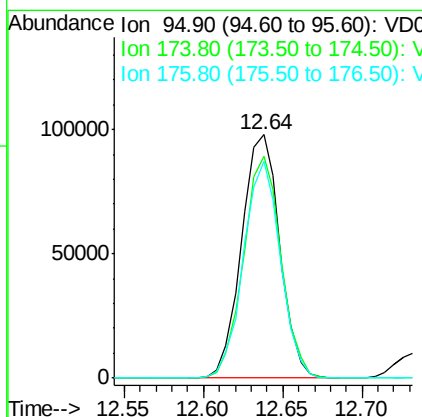
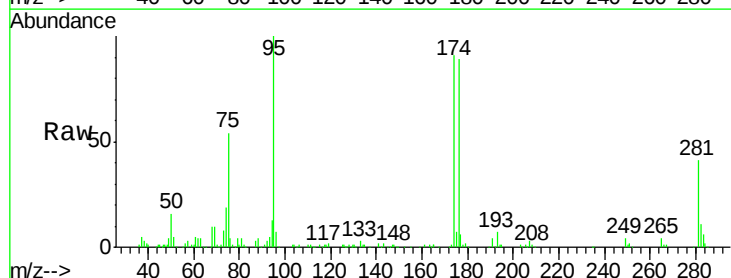
Manual Integrations
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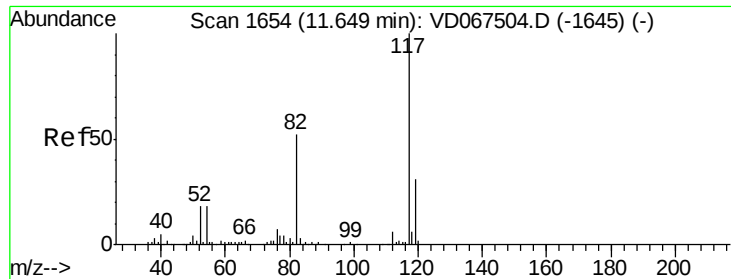
MMDadoda
 11/11/2020 1:04:07 PM



#62
 4-Bromofluorobenzene
 Concen: 49.409 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion: 95 Resp: 164024
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 177.8
 176 86.3 0.0 172.0





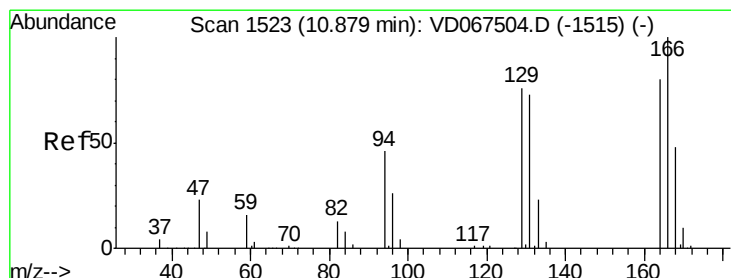
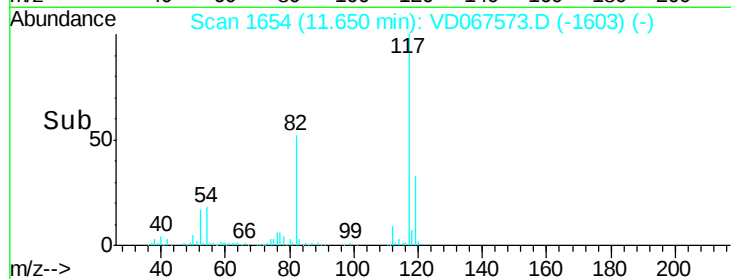
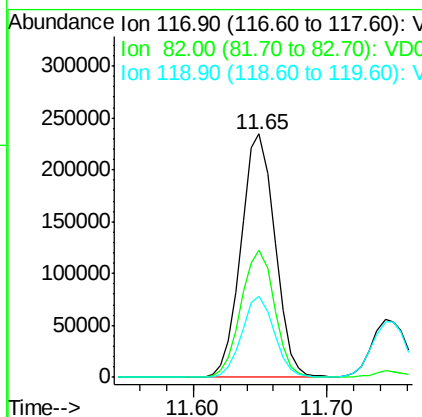
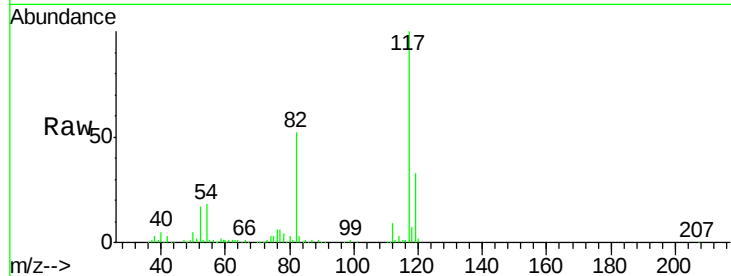
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	41.6	62.4
119	33.1	25.1	37.7

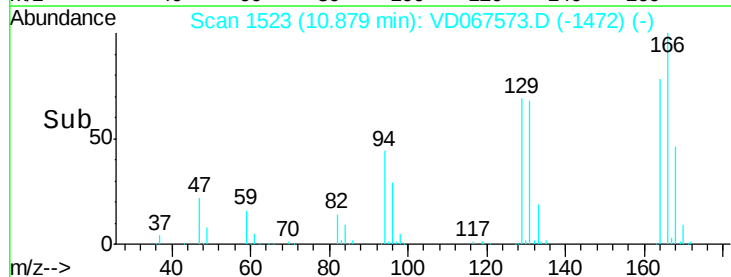
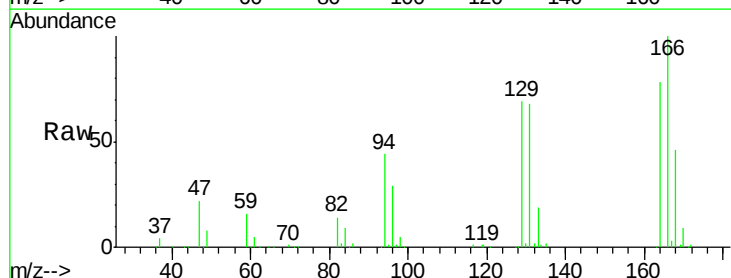
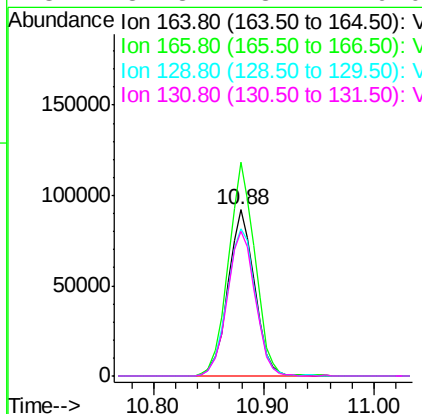
Manual Integrations
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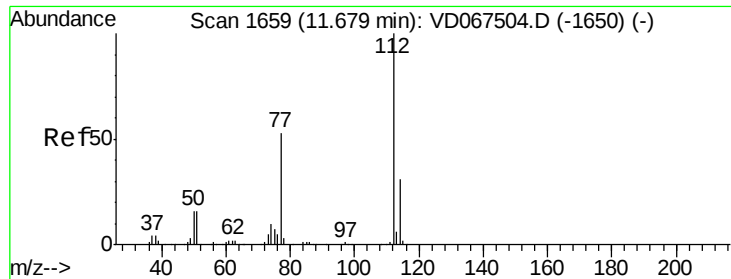
MMDadoda
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#64
Tetrachloroethene
Concen: 50.943 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.3	99.9	149.9
129	88.6	75.5	113.3
131	87.3	73.4	110.0





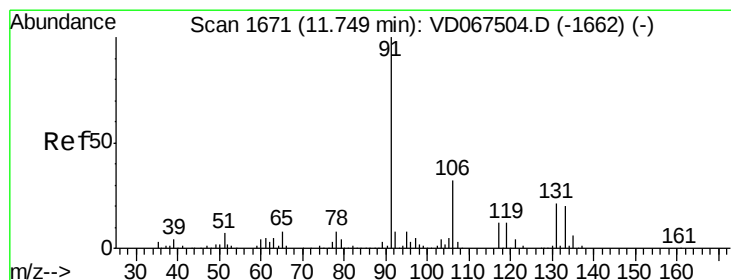
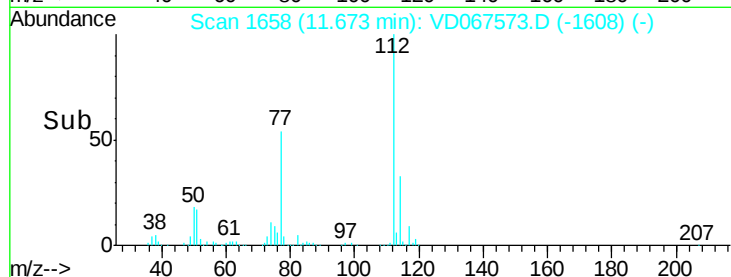
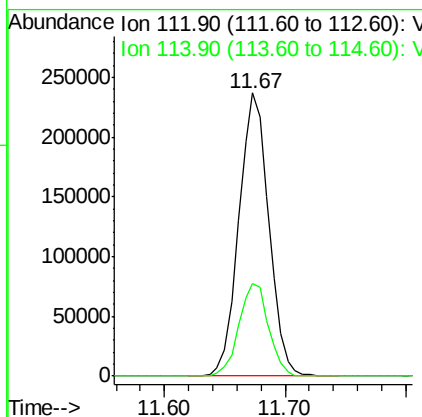
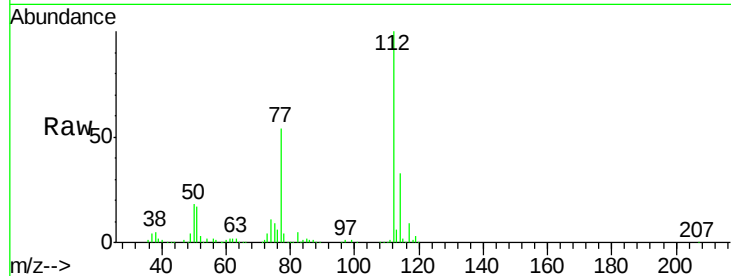
#65
Chlorobenzene
Concen: 51.773 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.7	24.9	37.3

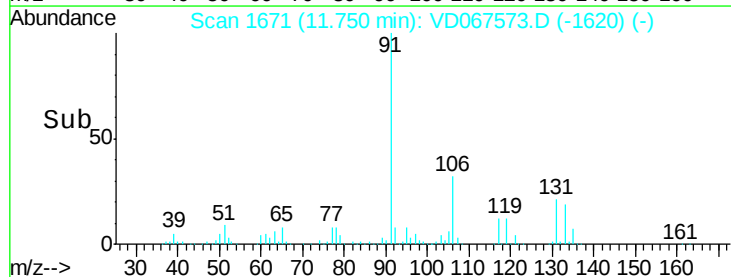
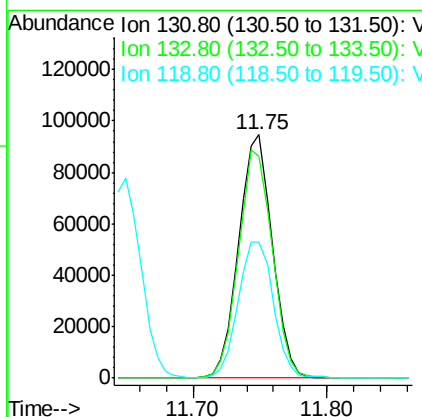
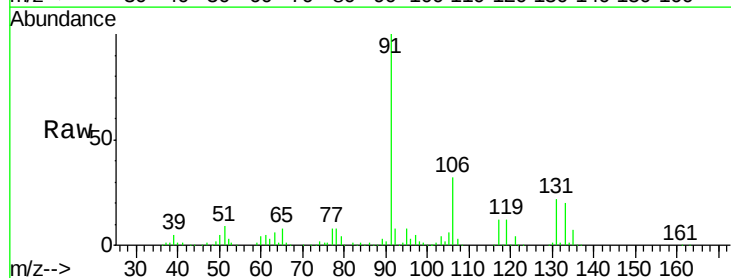
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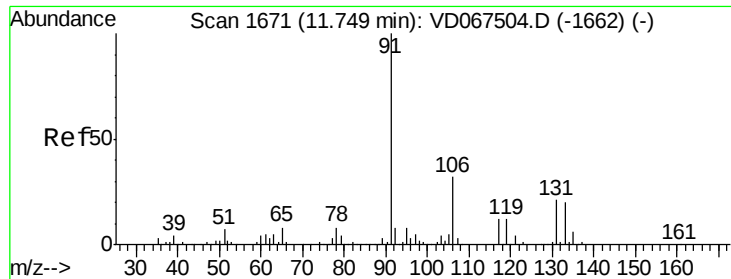
MMDadoda
11/11/2020 1:04:07 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.775 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.5	48.0	144.0
119	58.9	30.1	90.5





#67

Ethyl Benzene

Concen: 54.136 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 734670

Ion Ratio Lower Upper

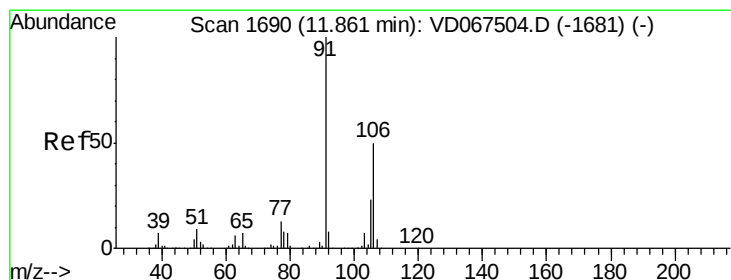
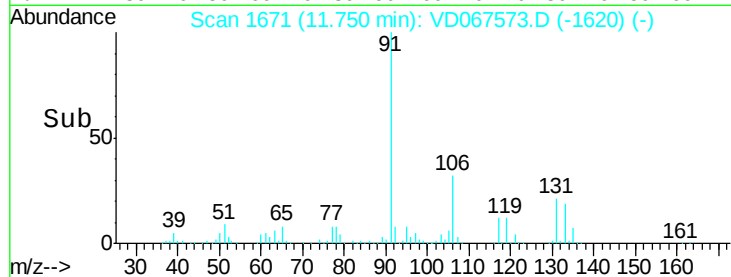
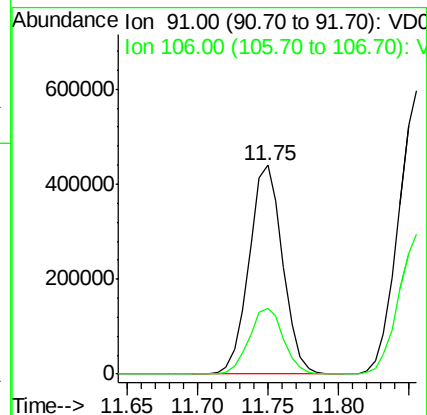
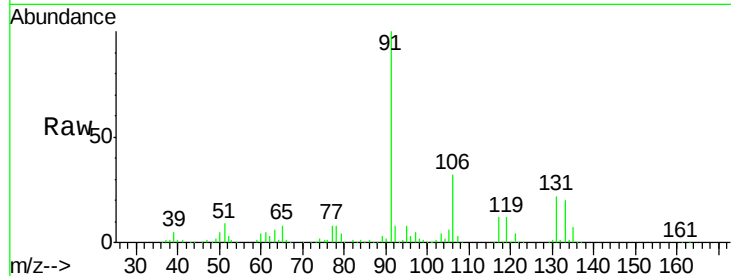
91 100

106 31.7 25.7 38.5

Manual Integrations
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11/11/2020 1:04:07 PM



#68

m/p-Xylenes

Concen: 105.897 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067573.D

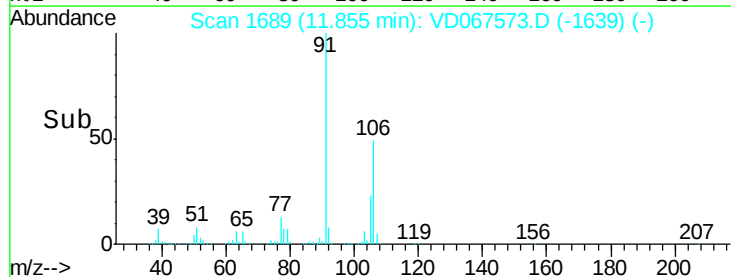
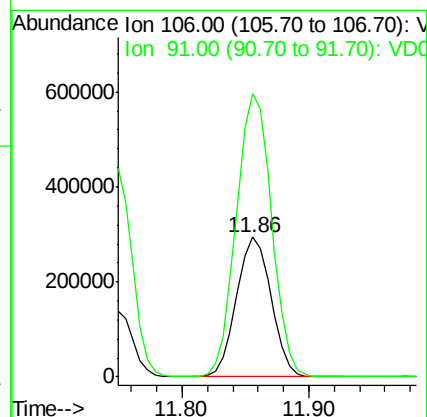
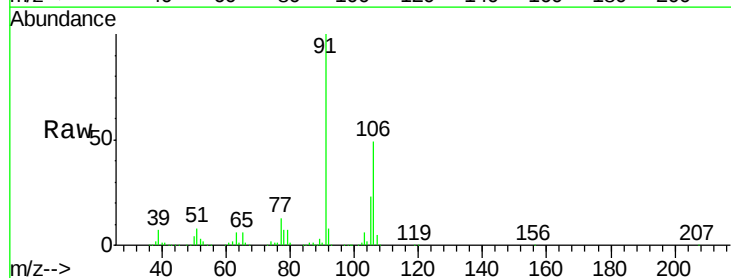
Acq: 10 Nov 2020 10:39

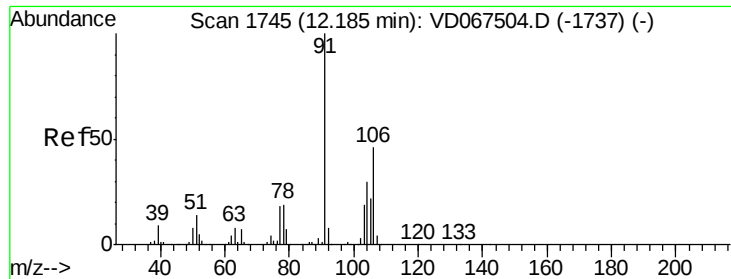
Tgt Ion: 106 Resp: 559095

Ion Ratio Lower Upper

106 100

91 205.9 162.6 244.0





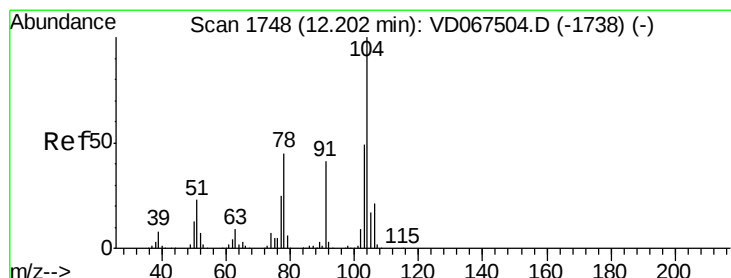
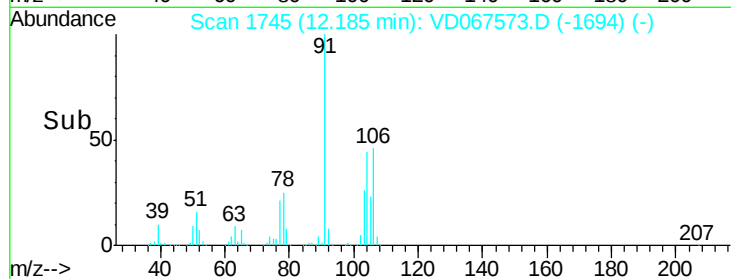
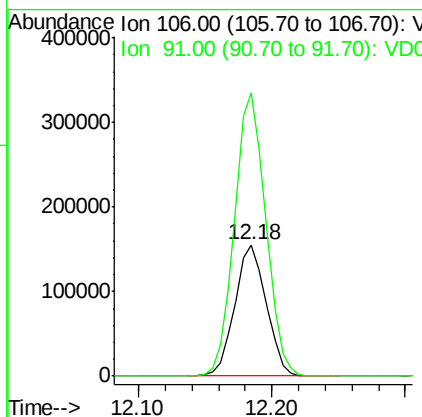
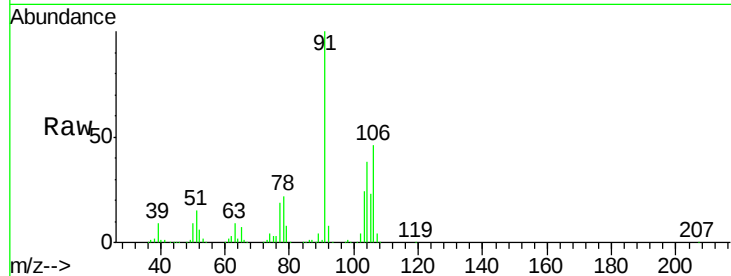
#69
o-Xylene
Concen: 53.925 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	254189		
91	91	214.3	107.1	321.1	

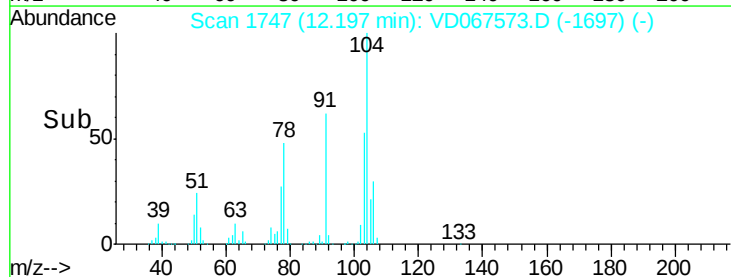
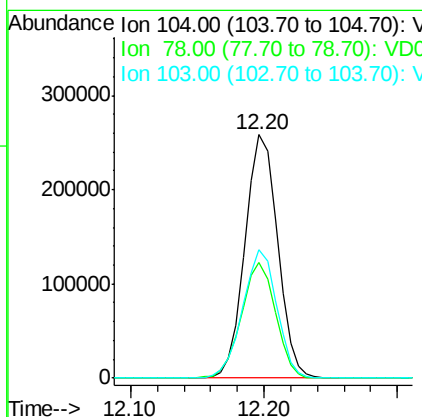
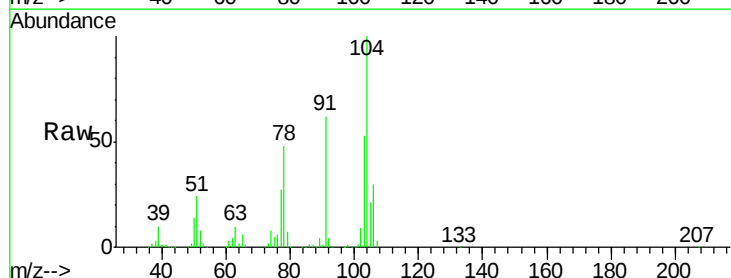
Manual Integrations
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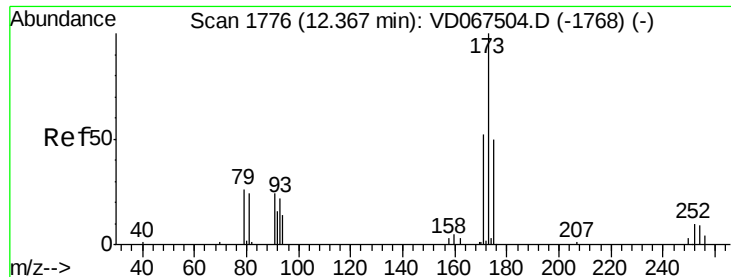
MMDadoda
11/11/2020 1:04:07 PM



#70
Styrene
Concen: 53.214 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	437090		
78	78	50.0	39.8	59.8	
103	103	55.1	43.9	65.9	





#71

Bromoform

Concen: 51.871 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 82689

Ion Ratio Lower Upper

173 100

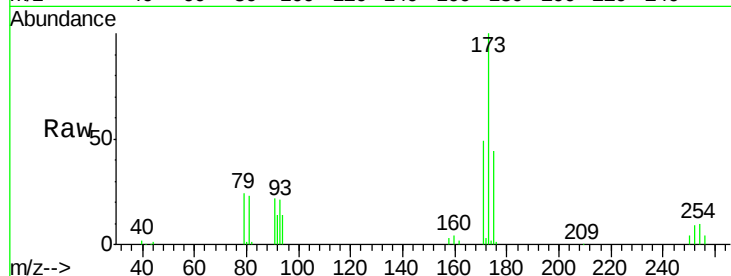
175 49.9 24.1 72.2

254 0.0 0.0 0.0

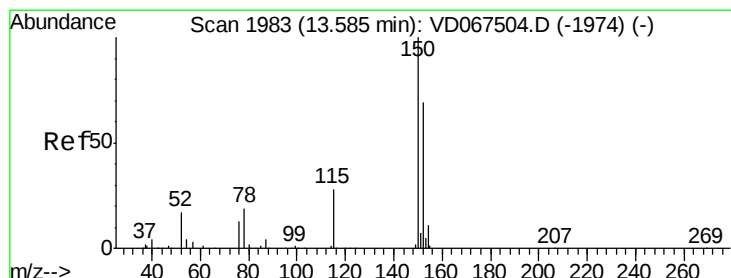
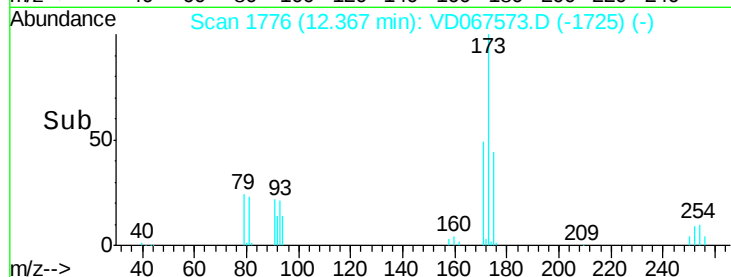
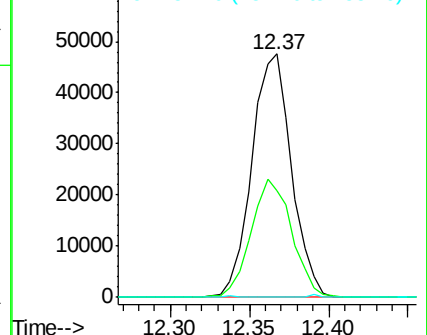
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

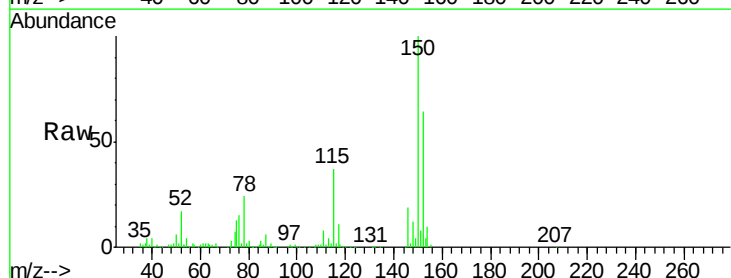
Tgt Ion:152 Resp: 209447

Ion Ratio Lower Upper

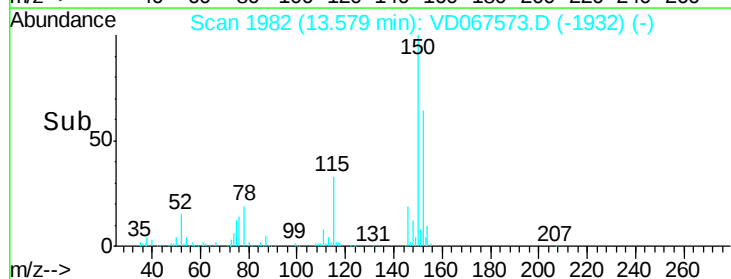
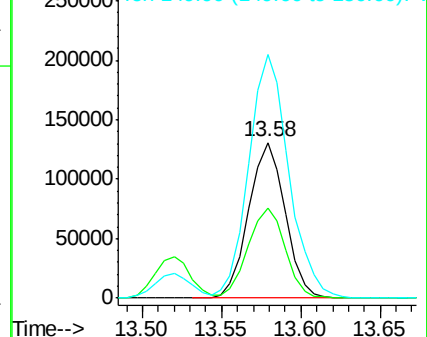
152 100

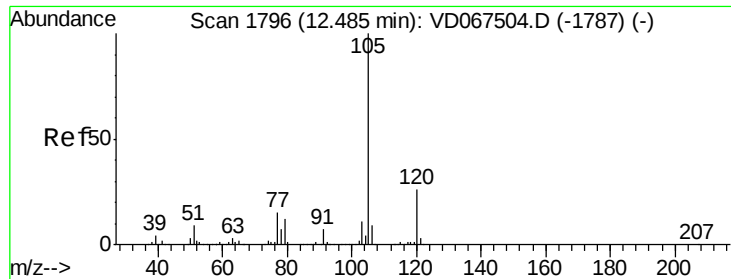
115 59.1 29.3 88.0

150 171.8 0.0 338.2



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





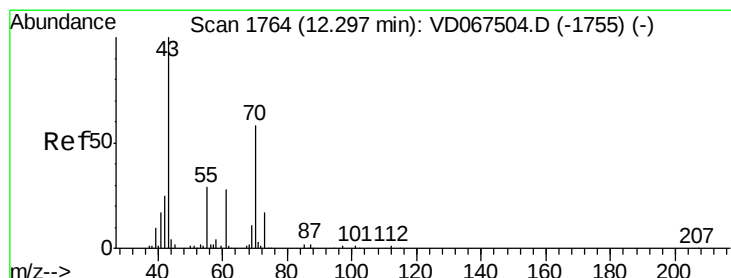
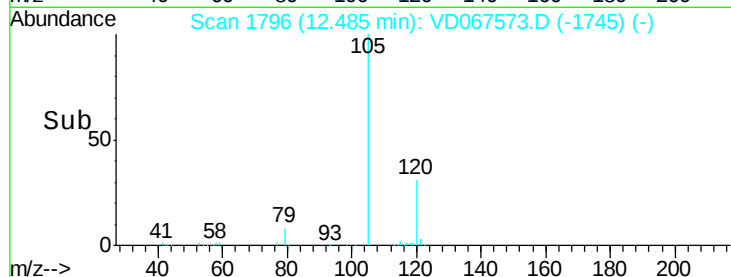
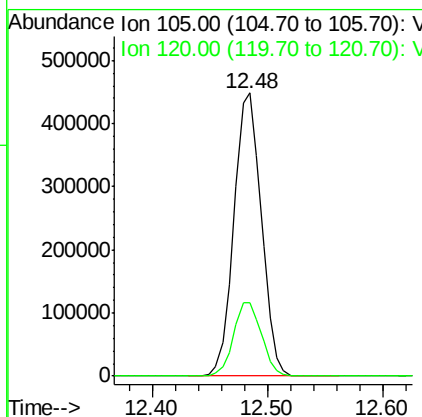
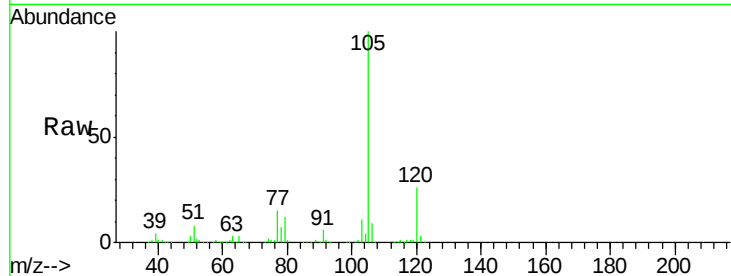
#73
Isopropylbenzene
Concen: 54.414 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.2	39.6

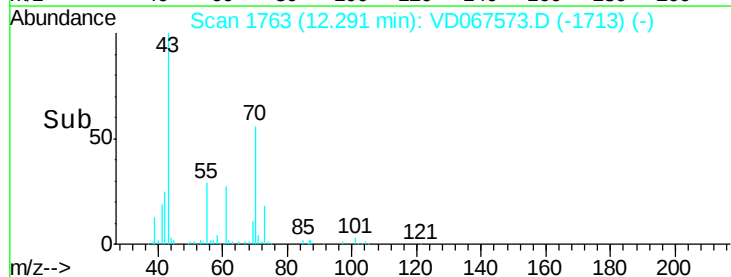
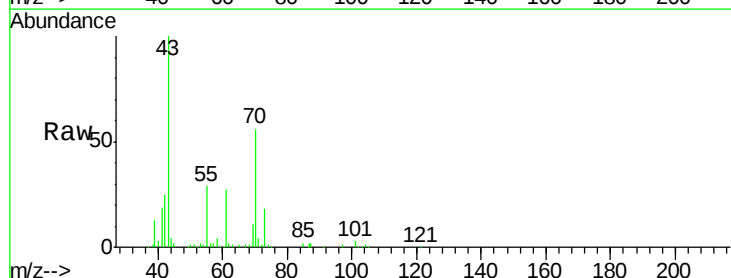
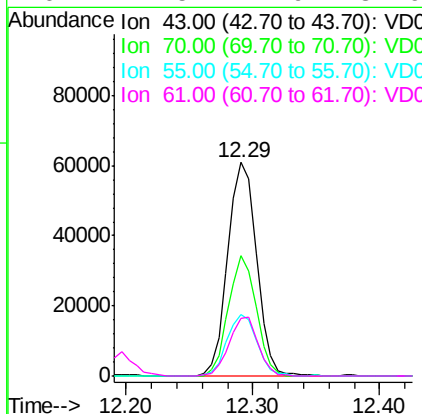
Manual Integrations
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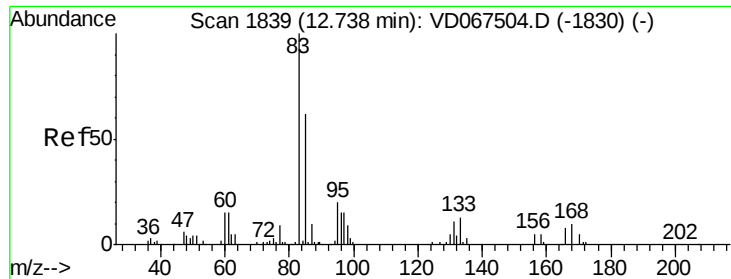
MMDadoda
11/11/2020 1:04:07 PM



#74
N-ethyl acetate
Concen: 53.964 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
43	100		
70	53.9	42.6	64.0
55	29.8	23.7	35.5
61	27.5	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.380 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

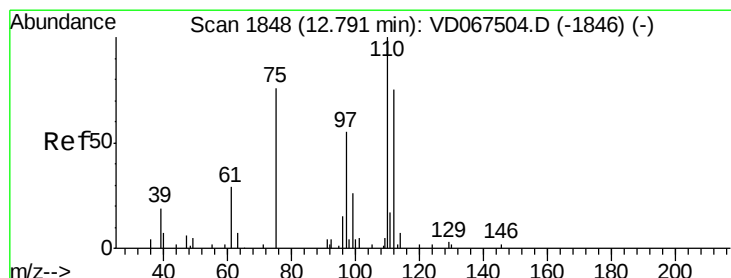
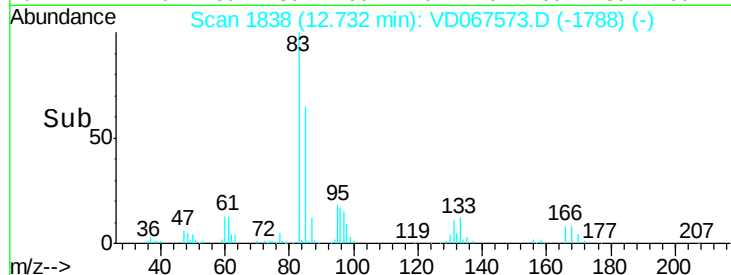
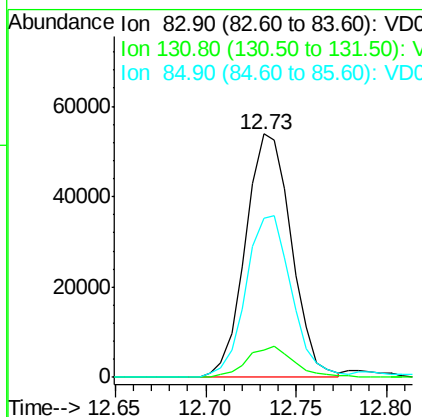
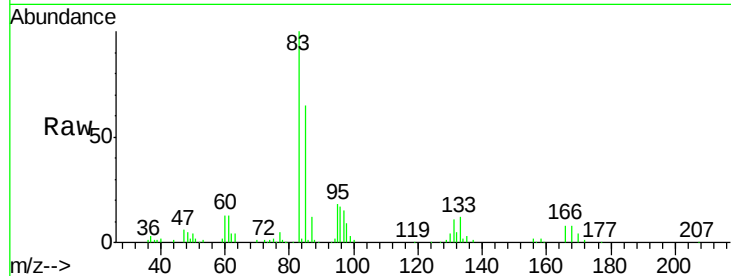
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	94837
Ion Ratio	Lower	Upper	
83	100		
131	13.2	7.1	21.3
85	66.3	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 54.868 ug/l m

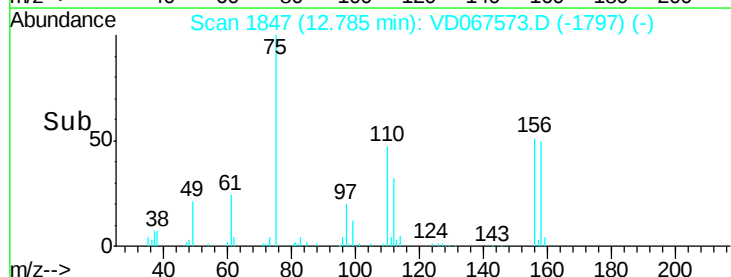
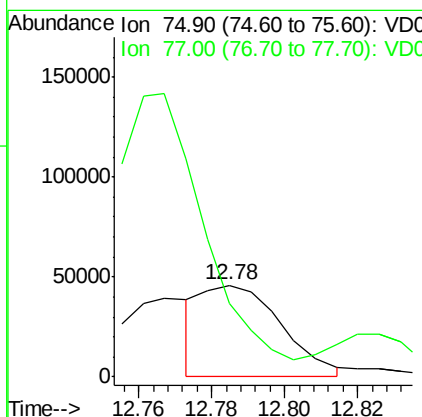
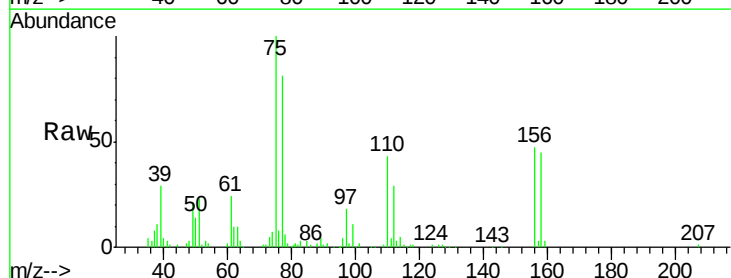
RT: 12.78 min Scan# 1847

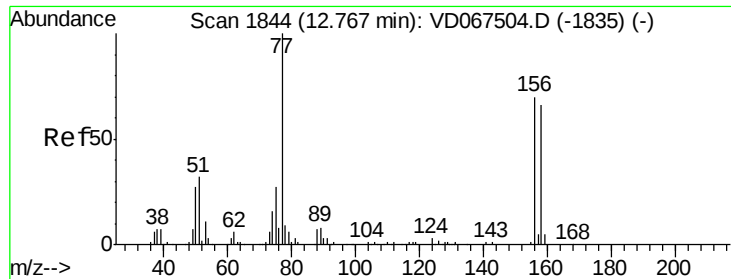
Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Tgt Ion:	75	Resp:	69326
Ion Ratio	Lower	Upper	
75	100		
77	382.0	0.0	0.0#





#77

Bromobenzene

Concen: 51.416 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

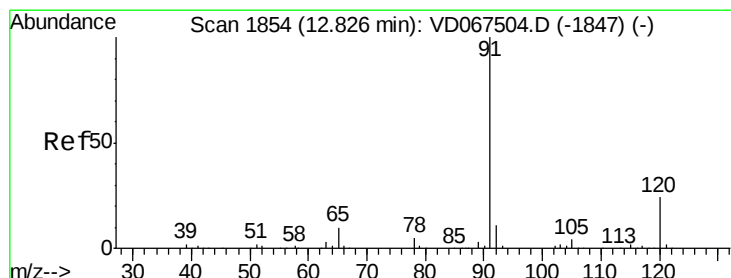
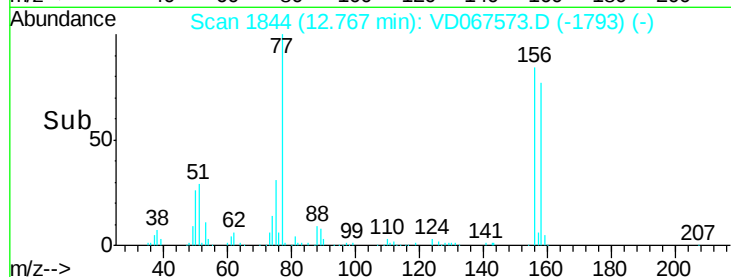
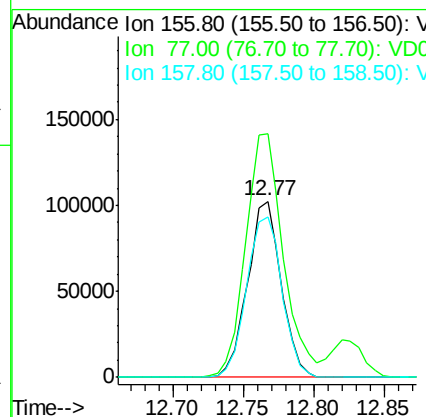
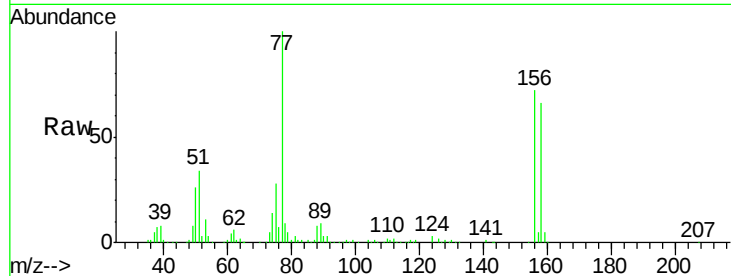
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		170923		
77	154.9	77.8	233.5		
158	96.4	47.9	143.7		

Manual Integrations
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#78

n-propylbenzene

Concen: 54.125 ug/l

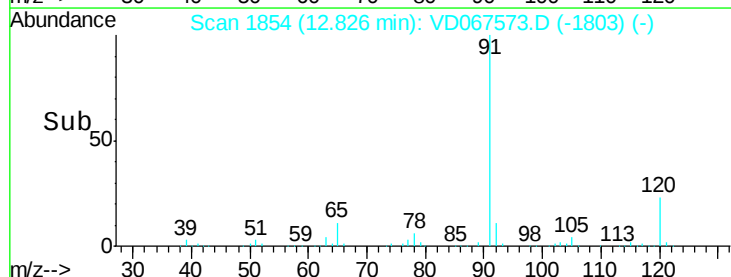
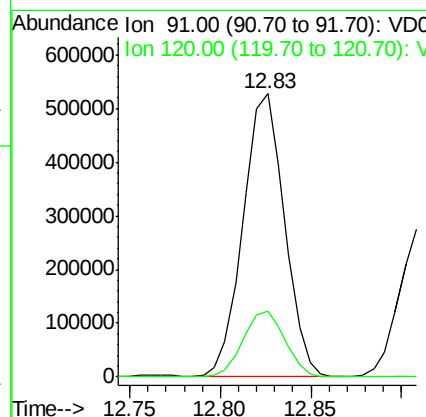
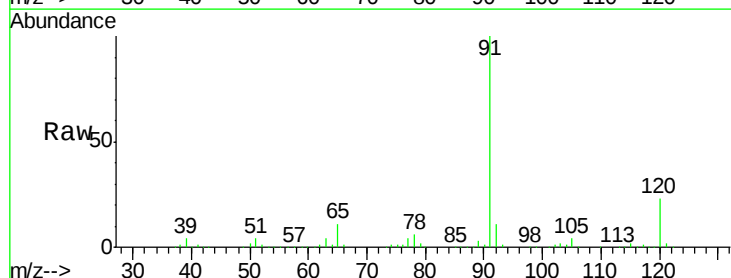
RT: 12.83 min Scan# 1854

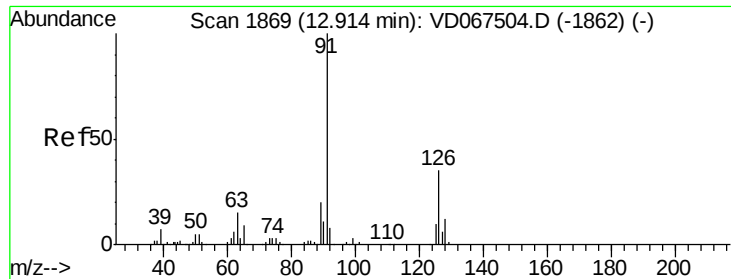
Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		838022		
120	23.5	12.2	36.4		





#79

2-Chlorotoluene

Concen: 53.514 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 470662

Ion Ratio Lower Upper

91 100

126 36.0

17.8

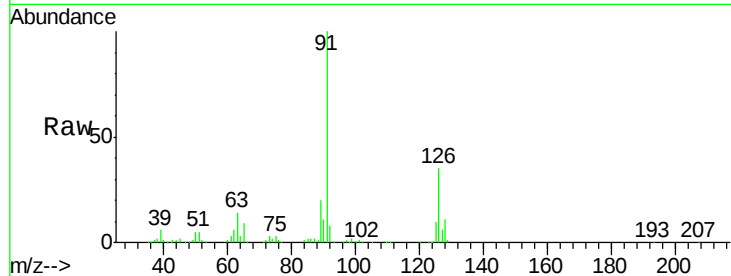
53.4

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

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

400000

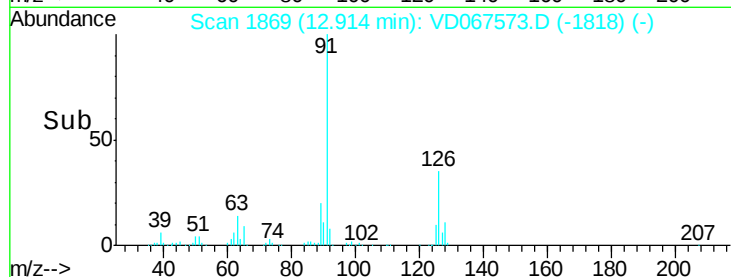
300000

200000

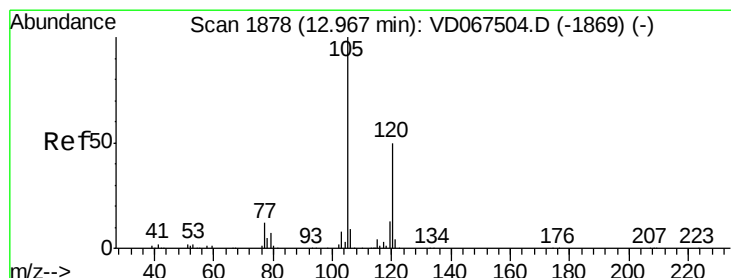
100000

0

12.85 12.90 12.95



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.554 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Tgt Ion: 105 Resp: 630824

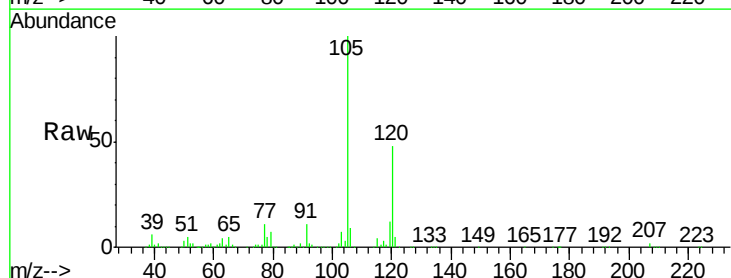
Ion Ratio Lower Upper

105 100

120 48.8

24.3

72.8



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

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

400000

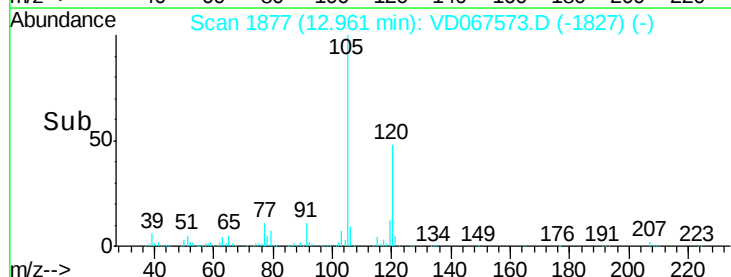
300000

200000

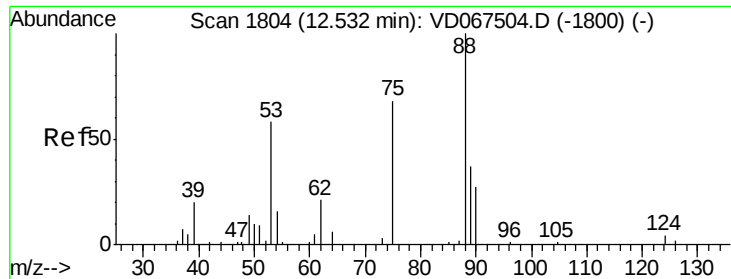
100000

0

12.90 12.96 13.00



Time-->



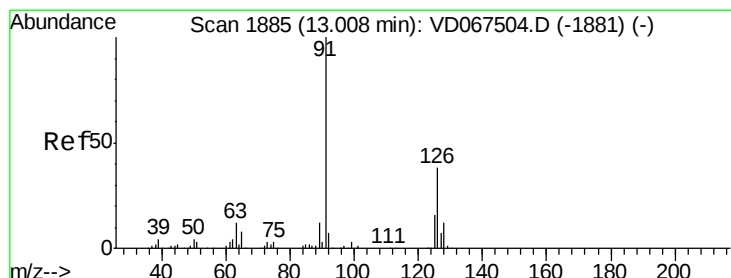
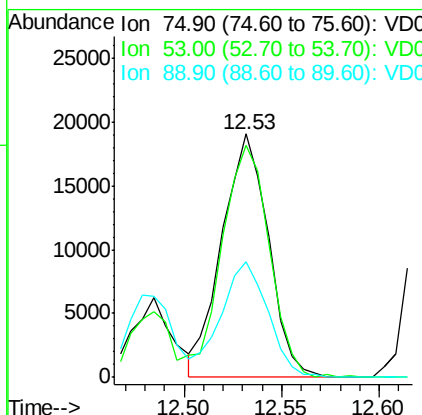
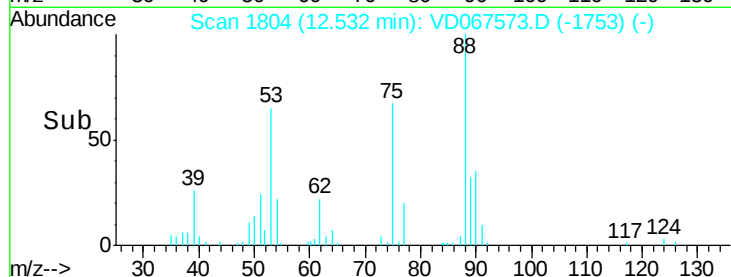
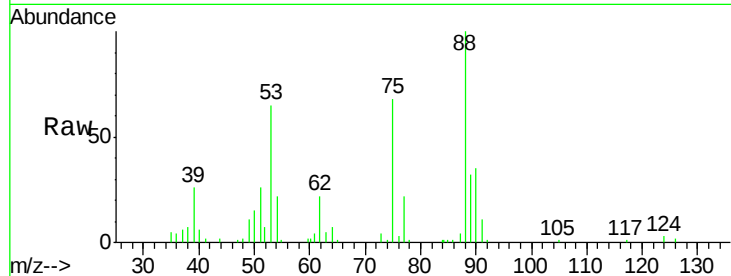
#81
trans-1,4-Dichloro-2-butene
Concen: 50.497 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	96.3	75.9	113.9
89	48.3	44.6	67.0

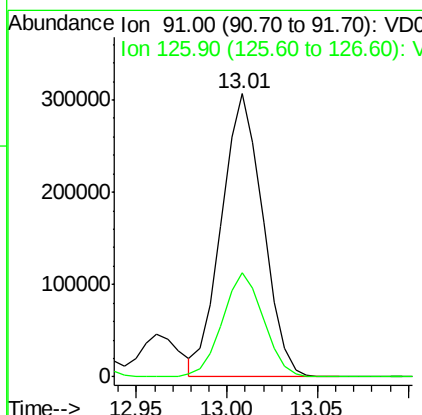
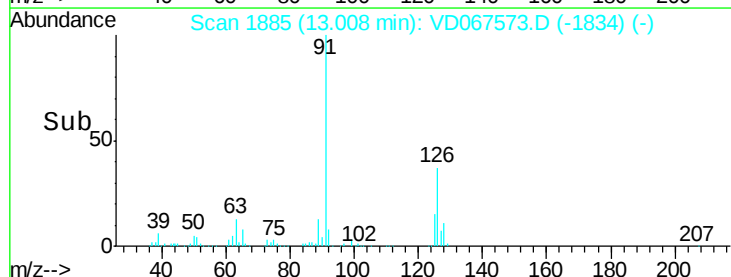
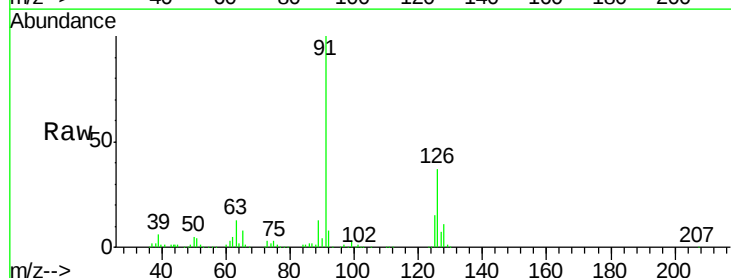
Manual Integrations
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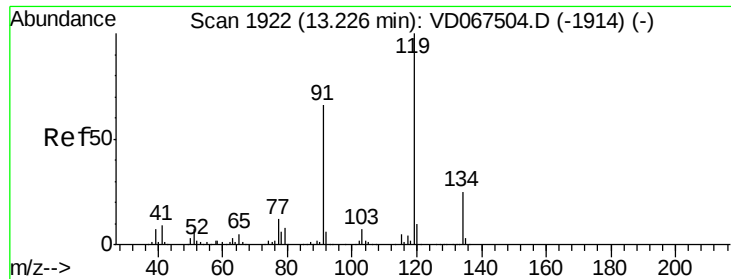
MMDadoda
11/11/2020 1:04:07 PM



#82
4-Chlorotoluene
Concen: 51.632 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
91	100		
126	36.5	17.9	53.7





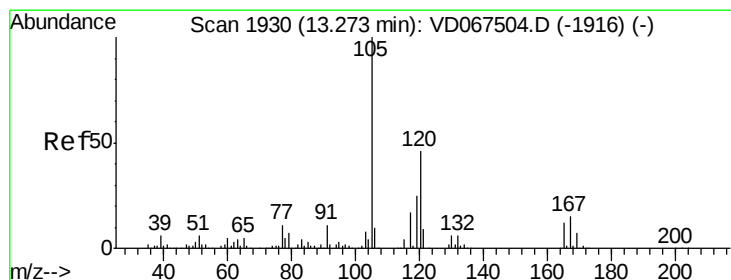
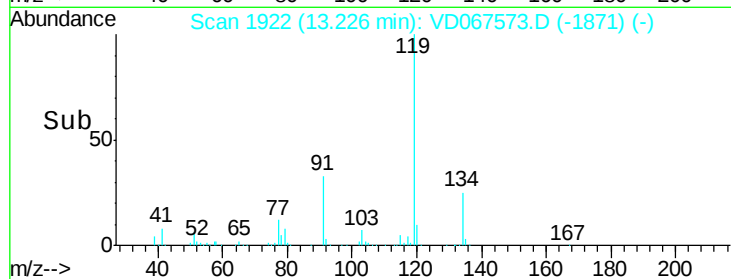
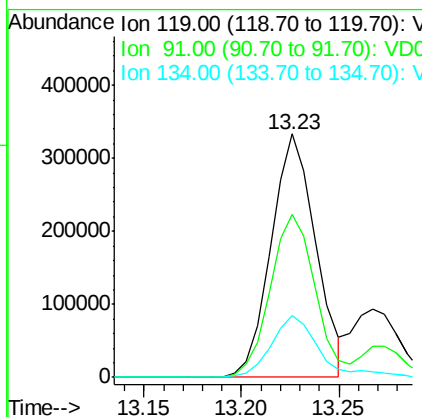
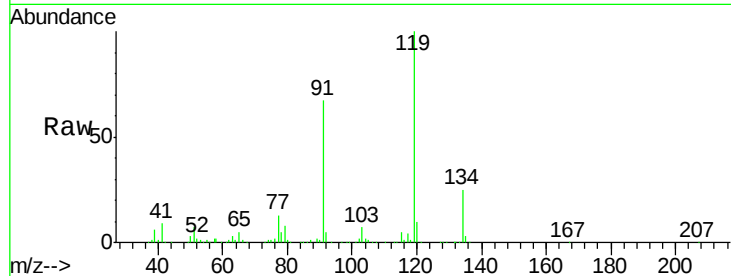
#83
tert-Butylbenzene
Concen: 53.800 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	32.7	98.1
134	27.3	13.4	40.2

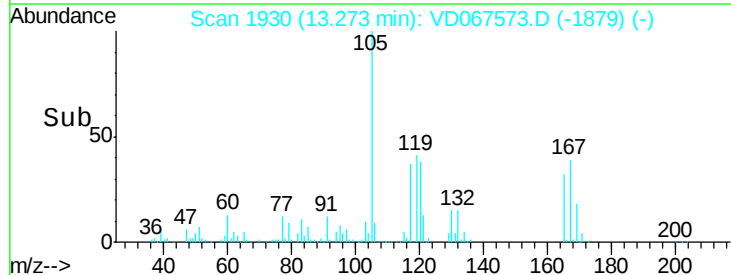
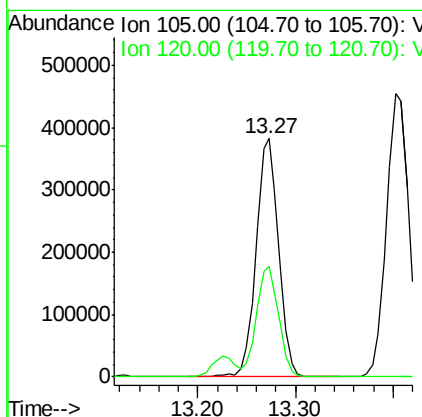
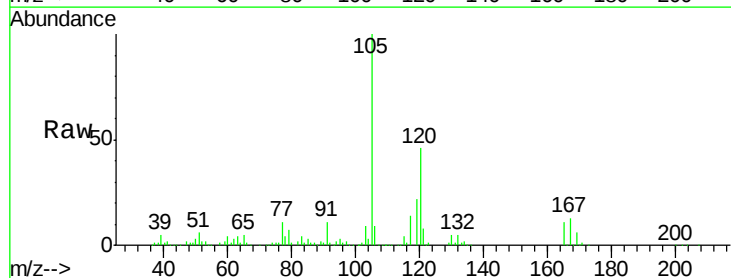
Manual Integrations
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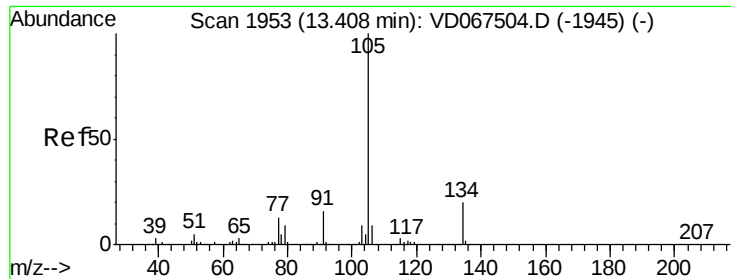
MMDadoda
11/11/2020 1:04:07 PM



#84
1,2,4-Trimethylbenzene
Concen: 53.782 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.8	22.1	66.1





#85

sec-Butylbenzene

Concen: 54.795 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 724908

Ion Ratio Lower Upper

105 100

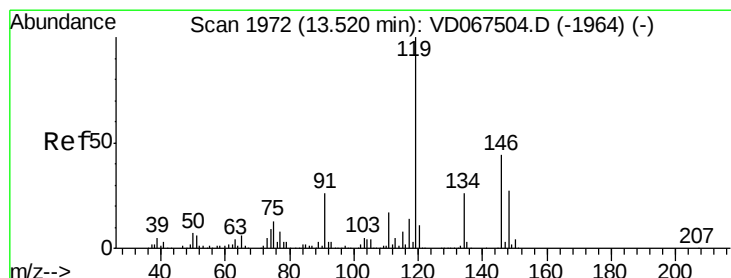
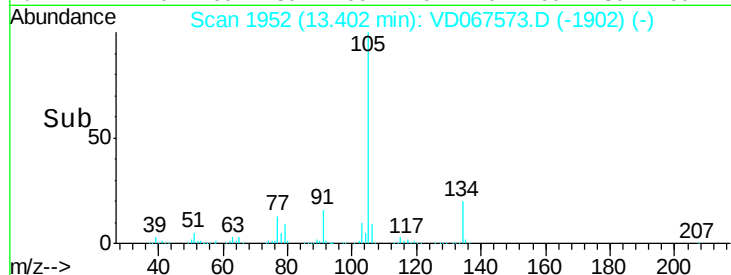
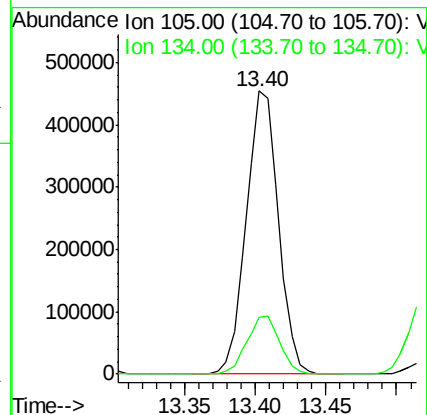
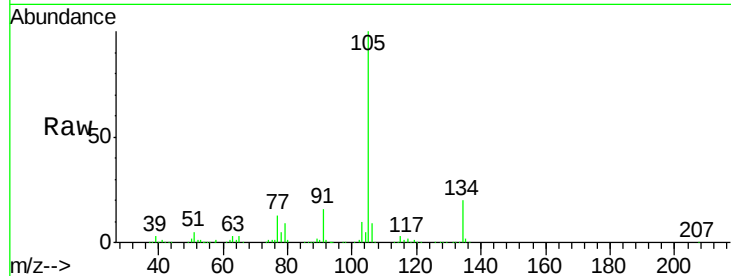
134 20.9 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.487 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VD067573.D

Acq: 10 Nov 2020 10:39

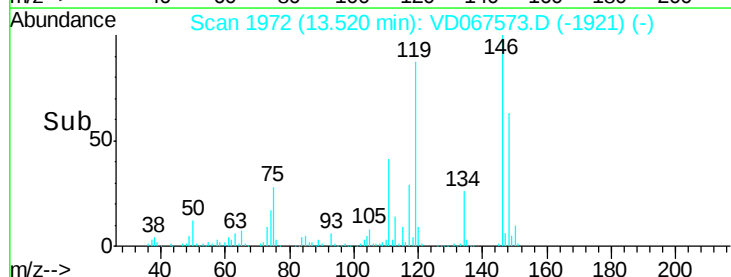
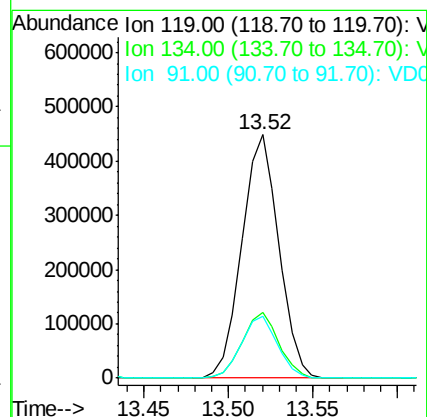
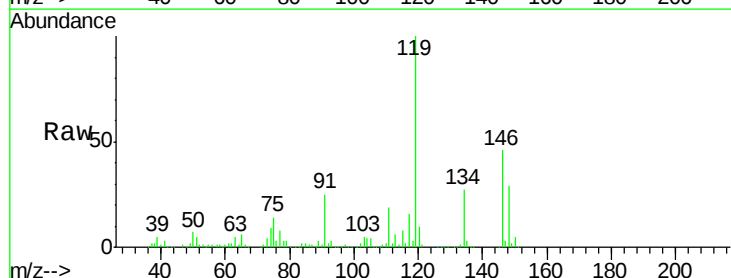
Tgt Ion:119 Resp: 683310

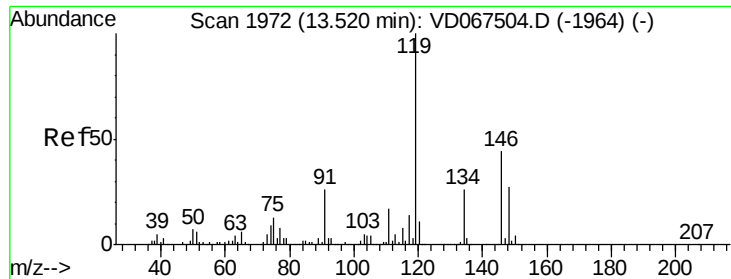
Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.3

91 24.8 12.2 36.4





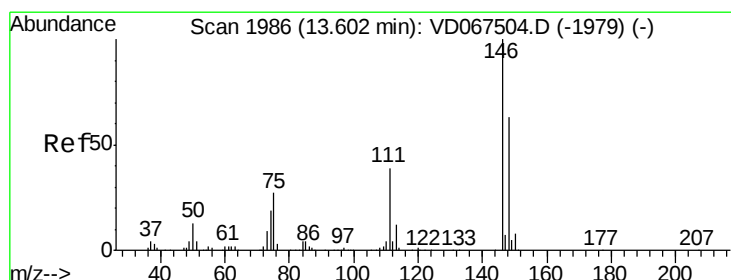
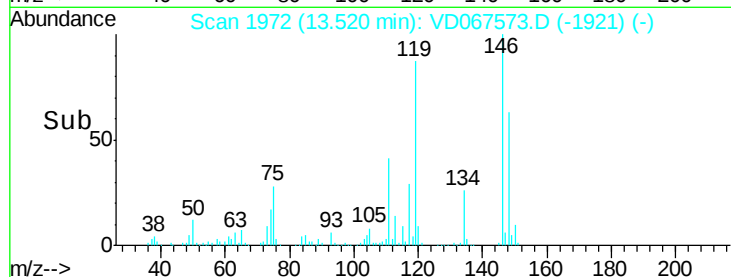
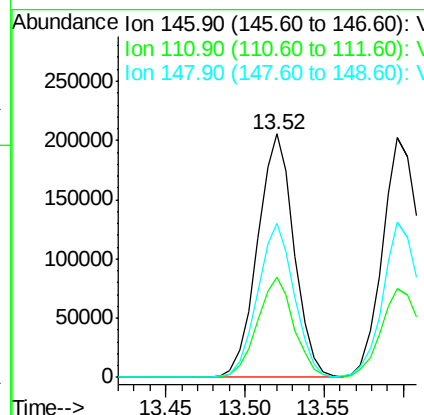
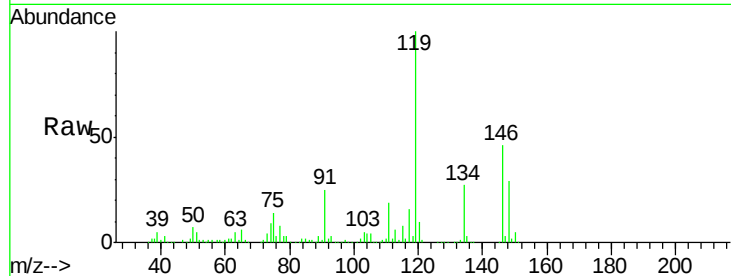
#87
 1,3-Dichlorobenzene
 Concen: 51.905 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. 0.00 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	329245		
111	41.0	20.3	60.8	
148	63.3	31.9	95.9	

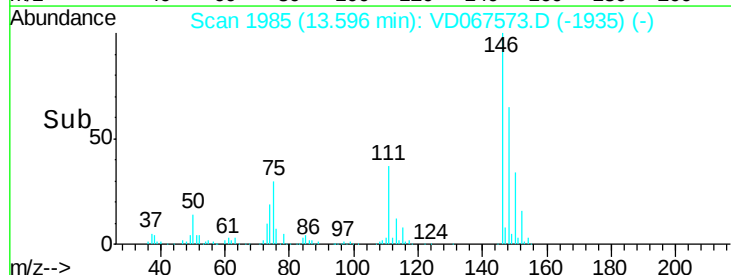
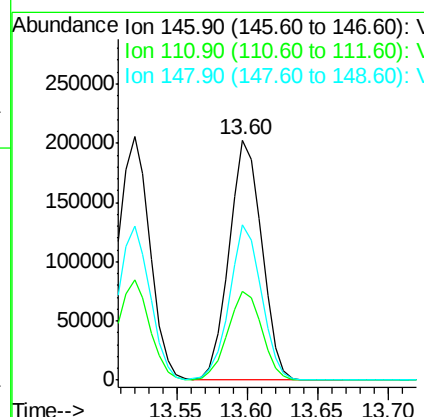
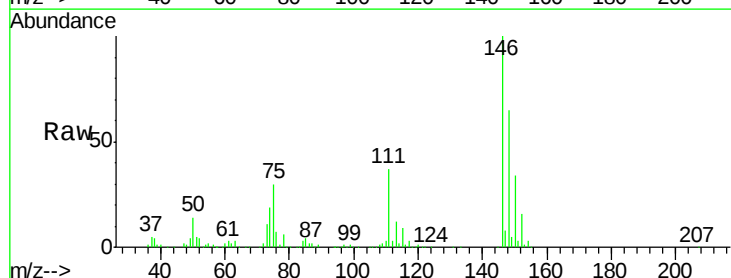
Manual Integrations
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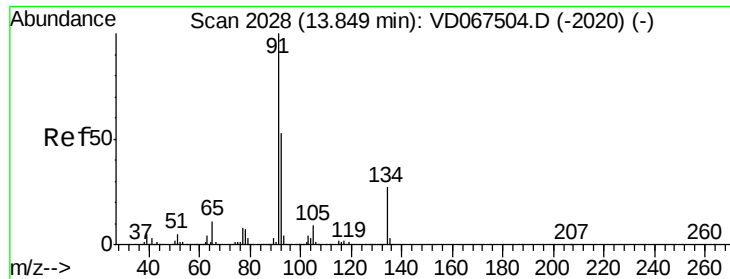
MMDadoda
 11/11/2020 1:04:07 PM



#88
 1,4-Dichlorobenzene
 Concen: 50.903 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	326951		
111	38.4	19.6	58.7	
148	63.6	31.8	95.4	





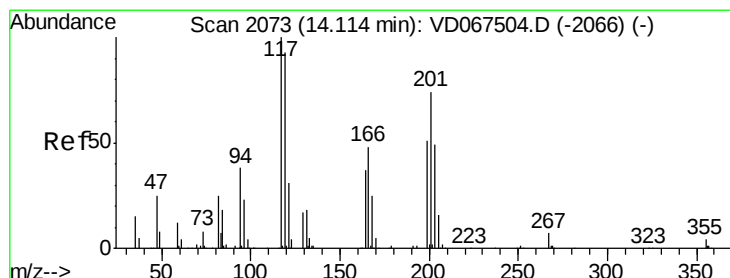
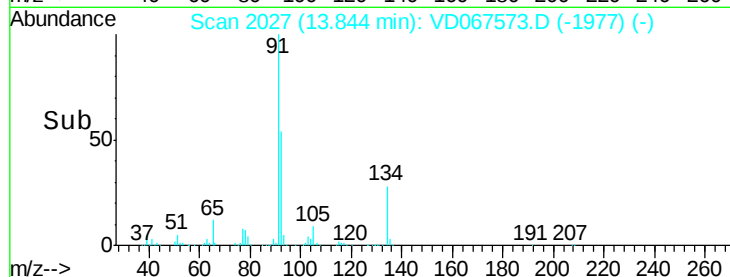
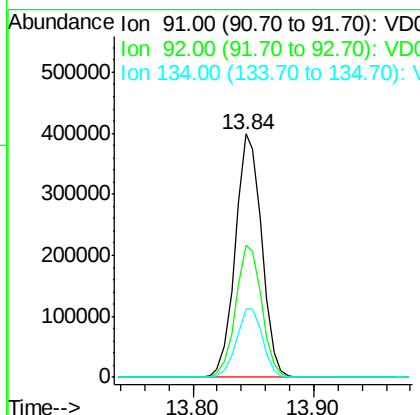
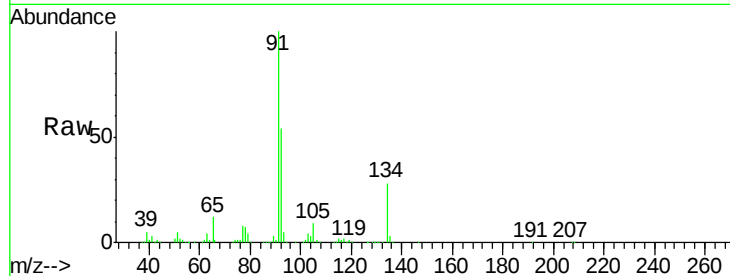
#89
n-Butylbenzene
Concen: 54.826 ug/l
RT: 13.84 min Scan# 2027
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.5	26.6	79.8
134	28.2	14.1	42.2

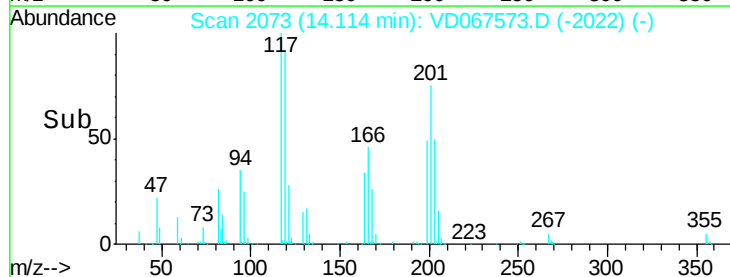
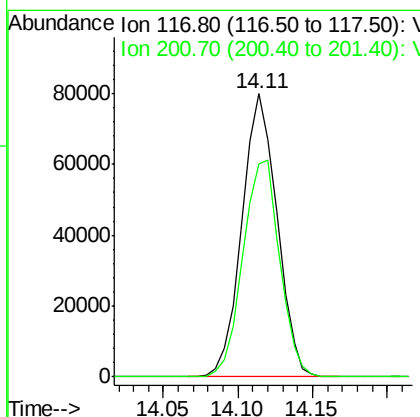
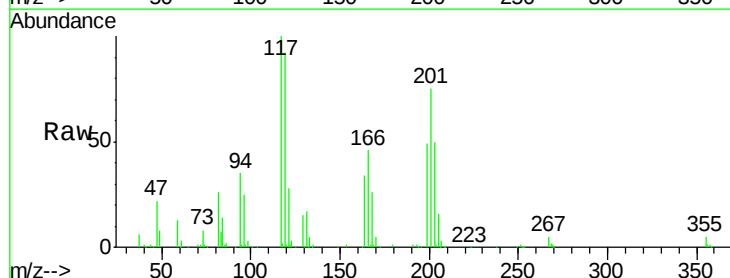
Manual Integrations
APPROVED

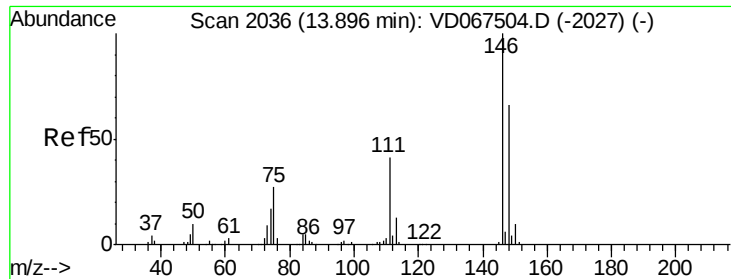
MMDadoda
11/11/2020 1:04:07 PM



#90
Hexachloroethane
Concen: 53.954 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. 0.00 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.3	40.7	122.1





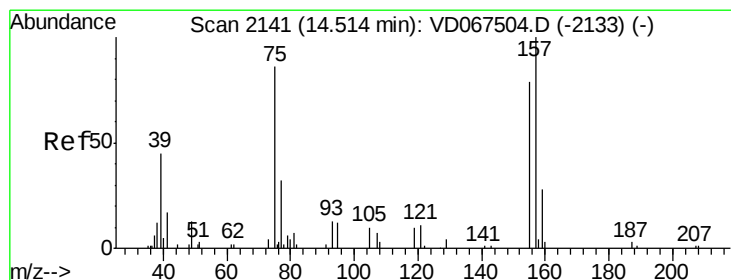
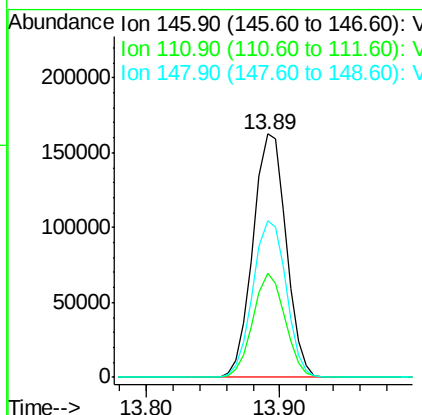
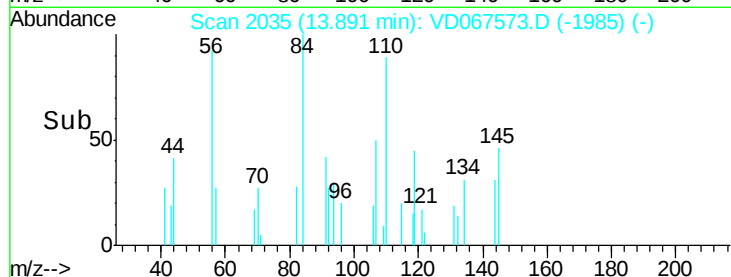
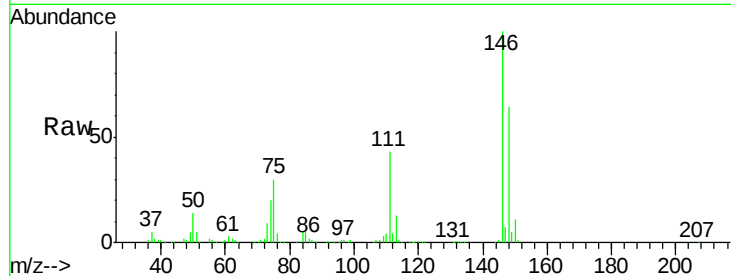
#91
 1,2-Dichlorobenzene
 Concen: 50.858 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.7	62.1
148	64.7	31.5	94.5

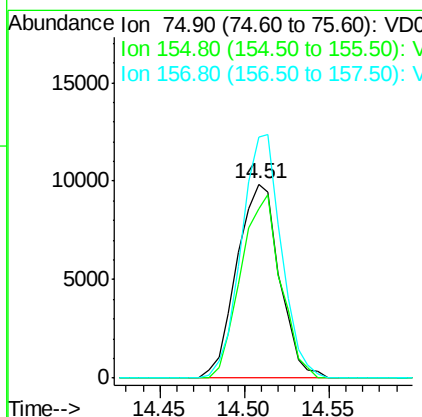
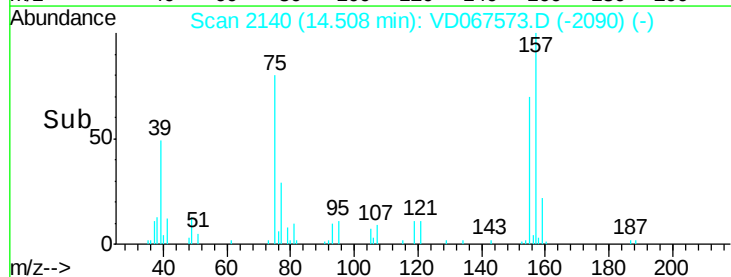
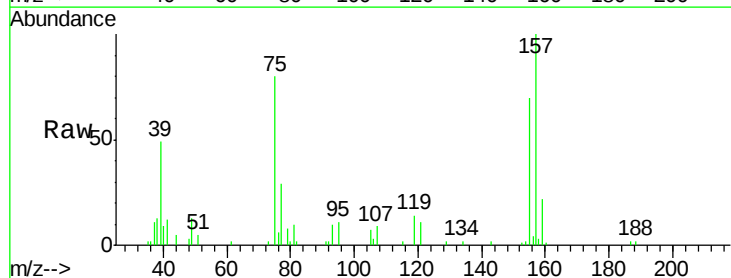
Manual Integrations
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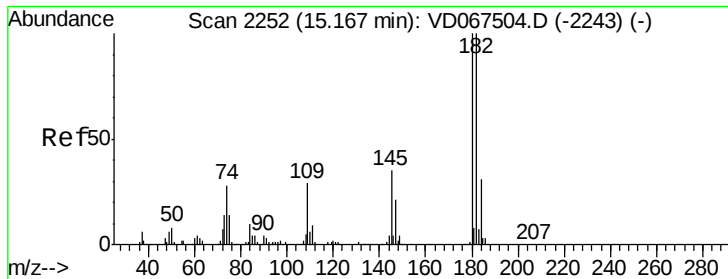
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.147 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Lower	Upper
75	100		
155	88.0	46.6	139.8
157	117.3	58.1	174.2





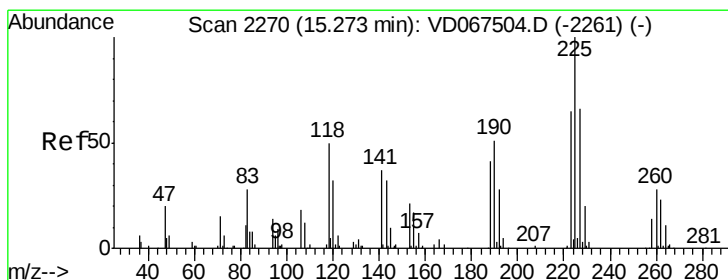
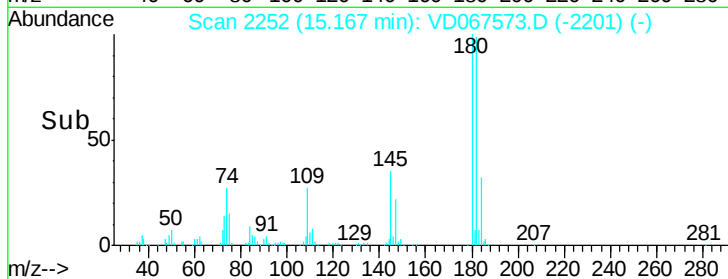
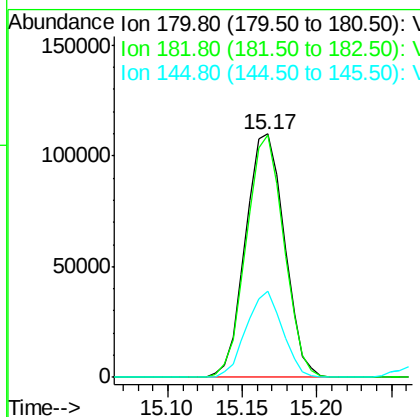
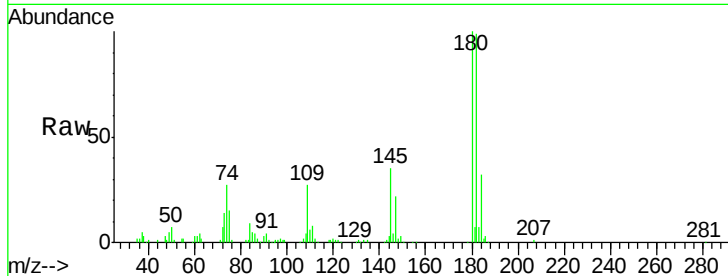
#93
 1,2,4-Trichlorobenzene
 Concen: 53.182 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. 0.00 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	198162		
182	96.1	47.4	142.3	
145	32.9	16.2	48.6	

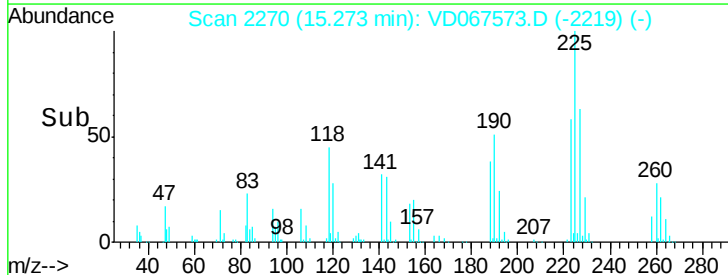
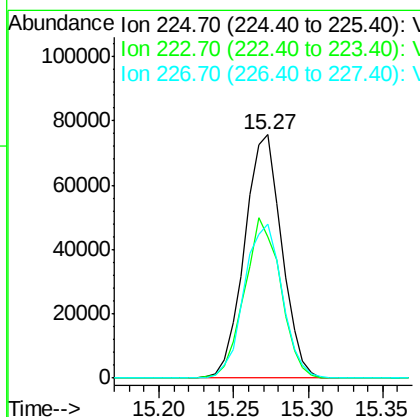
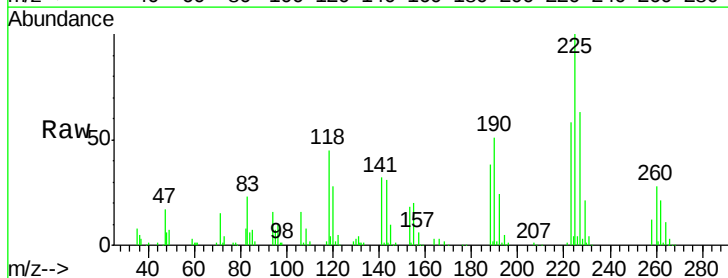
Manual Integrations
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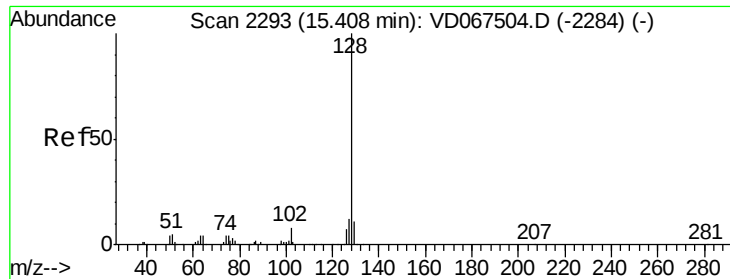
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#94
 Hexachlorobutadiene
 Concen: 52.233 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. 0.00 min
 Lab File: VD067573.D
 Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	130256		
223	64.2	31.9	95.5	
227	64.8	32.5	97.4	





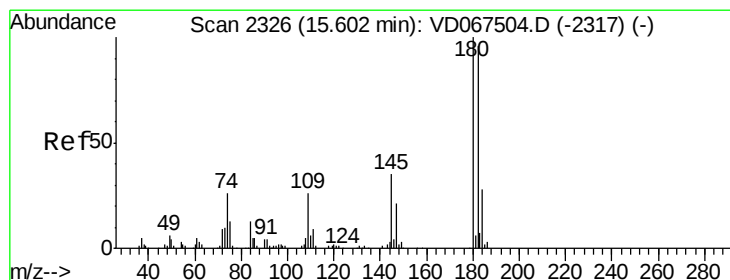
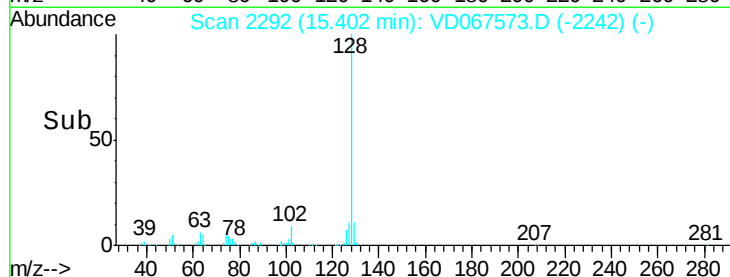
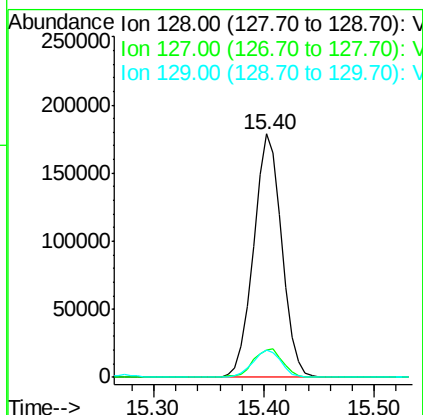
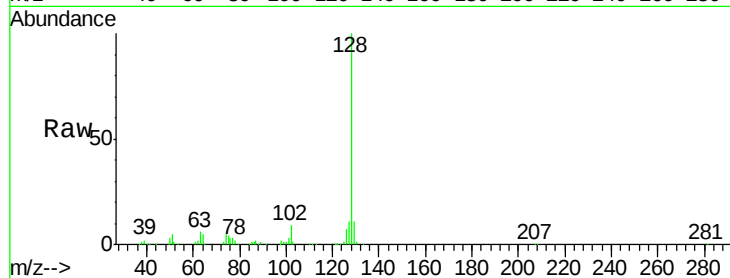
#95
Naphthalene
Concen: 55.579 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	12.3	10.2	15.4
129	11.2	8.9	13.3

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 53.915 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067573.D
Acq: 10 Nov 2020 10:39

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	94.2	46.9	140.8
145	34.7	17.1	51.2

