

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067674.D
 Acq On : 18 Nov 2020 09:42
 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
 11/19/2020 11:07:01 AM

Quant Time: Nov 19 00:32:45 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	291637	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	402919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369429	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	188818	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	113768	44.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.22%	
35) Dibromofluoromethane	7.92	113	115454	47.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.12%	
50) Toluene-d8	10.34	98	390996	45.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.66%	
62) 4-Bromofluorobenzene	12.64	95	143588	48.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	113680	47.970	ug/l	99
3) Chloromethane	2.21	50	73170	40.290	ug/l	93
4) Vinyl Chloride	2.36	62	86576	42.759	ug/l	99
5) Bromomethane	2.78	94	71832	43.770	ug/l	98
6) Chloroethane	2.93	64	54907	43.985	ug/l	99
7) Trichlorofluoromethane	3.28	101	252417	48.147	ug/l	93
8) Diethyl Ether	3.71	74	47897	45.341	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	125205	47.313	ug/l	98
10) Methyl Iodide	4.30	142	134948	47.579	ug/l	100
11) Tert butyl alcohol	5.21	59	35087	325.378	ug/l	98
12) 1,1-Dichloroethene	4.07	96	115896	47.612	ug/l	94
13) Acrolein	3.93	56	23453	212.063	ug/l	96
14) Allyl chloride	4.71	41	120405	46.218	ug/l	99
15) Acrylonitrile	5.43	53	91785	235.047	ug/l	97
16) Acetone	4.16	43	102426	268.412	ug/l	100
17) Carbon Disulfide	4.41	76	318063	42.642	ug/l	100
18) Methyl Acetate	4.71	43	35549	45.081	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	236540	49.265	ug/l	95
20) Methylene Chloride	4.97	84	127945	47.465	ug/l	96
21) trans-1,2-Dichloroethene	5.48	96	135703	47.865	ug/l	97
22) Diisopropyl ether	6.36	45	245865	48.430	ug/l	97
23) Vinyl Acetate	6.31	43	662914	249.459	ug/l	96
24) 1,1-Dichloroethane	6.27	63	196133	47.224	ug/l	98
25) 2-Butanone	7.21	43	98324	241.138	ug/l	100
26) 2,2-Dichloropropane	7.21	77	221717	50.582	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	146516	49.789	ug/l	99
28) Bromochloromethane	7.55	49	72561	49.117	ug/l	92
29) Tetrahydrofuran	7.56	42	59455	243.425	ug/l	98
30) Chloroform	7.71	83	247304	49.912	ug/l	100
31) Cyclohexane	7.99	56	163800	44.288	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	253604	49.607	ug/l	99
36) 1,1-Dichloropropene	8.11	75	181175	52.531	ug/l	99
37) Ethyl Acetate	7.29	43	47480	53.026	ug/l #	95
38) Carbon Tetrachloride	8.10	117	256466	57.233	ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	210273	51.800	ug/l	99
40) Benzene	8.36	78	500184	53.540	ug/l	99
41) Methacrylonitrile	7.53	41	26812	50.095	ug/l #	72
42) 1,2-Dichloroethane	8.43	62	156067	54.069	ug/l	99
43) Isopropyl Acetate	8.46	43	90661	51.197	ug/l	98
44) Trichloroethene	9.11	130	156917	51.083	ug/l	95
45) 1,2-Dichloropropane	9.39	63	105062	52.014	ug/l	96
46) Dibromomethane	9.48	93	67672	52.692	ug/l	98
47) Bromodichloromethane	9.66	83	183690	52.623	ug/l	96
48) Methyl methacrylate	9.46	41	43574	47.657	ug/l	89
49) 1,4-Dioxane	9.47	88	12282	942.034	ug/l #	93
51) 4-Methyl-2-Pentanone	10.23	43	223287	263.650	ug/l	98
52) Toluene	10.41	92	341315	54.545	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	164196	54.922	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	188489	53.065	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	91674	53.949	ug/l	98
56) Ethyl methacrylate	10.66	69	93762	53.432	ug/l	98
57) 1,3-Dichloropropane	10.95	76	147436	53.918	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	224171	273.944	ug/l	98
59) 2-Hexanone	10.99	43	168415	284.409	ug/l	98
60) Dibromochloromethane	11.14	129	137147	54.560	ug/l	99
61) 1,2-Dibromoethane	11.25	107	89478	52.466	ug/l	99
64) Tetrachloroethene	10.88	164	142457	52.068	ug/l	94
65) Chlorobenzene	11.67	112	377734	53.081	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	148755	53.037	ug/l	99
67) Ethyl Benzene	11.75	91	657991	54.034	ug/l	99
68) m/p-Xylenes	11.86	106	512411	108.161	ug/l	98
69) o-Xylene	12.18	106	232026	54.856	ug/l	100
70) Styrene	12.20	104	403404	54.733	ug/l	99
71) Bromoform	12.37	173	78014	54.539	ug/l #	99
73) Isopropylbenzene	12.48	105	658561	53.967	ug/l	100
74) N-amyl acetate	12.29	43	79886	49.751	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.74	83	84981	51.070	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	53243m	46.743	ug/l	
77) Bromobenzene	12.77	156	156770	52.311	ug/l	98
78) n-propylbenzene	12.83	91	752533	53.914	ug/l	99
79) 2-Chlorotoluene	12.91	91	429110	54.120	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	569804	54.661	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	26027	46.391	ug/l	93
82) 4-Chlorotoluene	13.01	91	454772	53.479	ug/l	99
83) tert-Butylbenzene	13.23	119	481947	54.551	ug/l	100
84) 1,2,4-Trimethylbenzene	13.27	105	558321	53.806	ug/l	98
85) sec-Butylbenzene	13.41	105	641661	53.801	ug/l	99
86) p-Isopropyltoluene	13.52	119	612049	53.143	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	296224	51.801	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	295054	50.956	ug/l	100
89) n-Butylbenzene	13.85	91	530992	53.377	ug/l	99
90) Hexachloroethane	14.12	117	113200	52.193	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	258358	52.202	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15069	51.147	ug/l	96

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QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	176645	52.587	ug/l	100
94) Hexachlorobutadiene	15.27	225	115095	51.196	ug/l	98
95) Naphthalene	15.41	128	277420	53.516	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	149165	51.856	ug/l	100

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

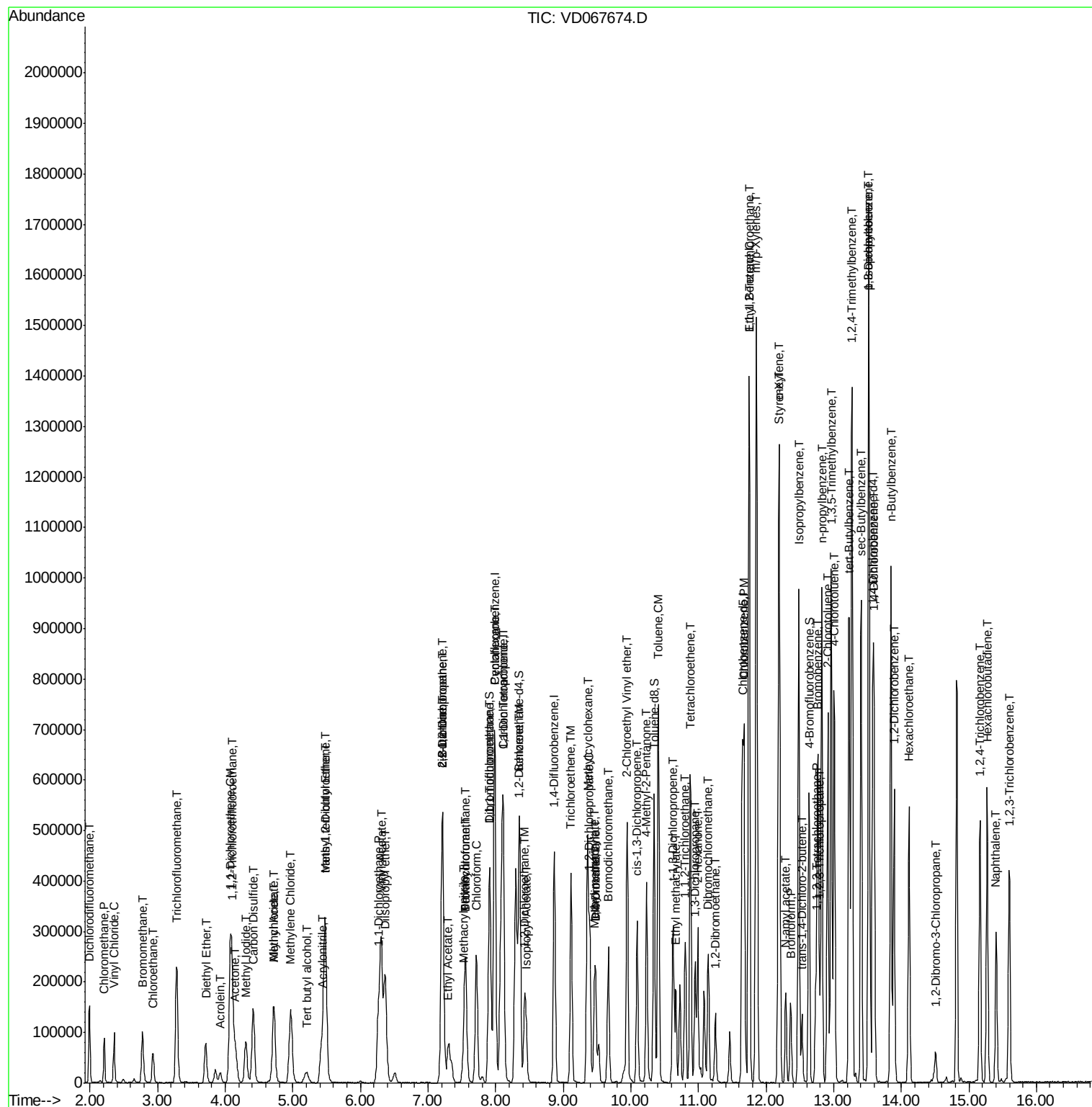
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111820\
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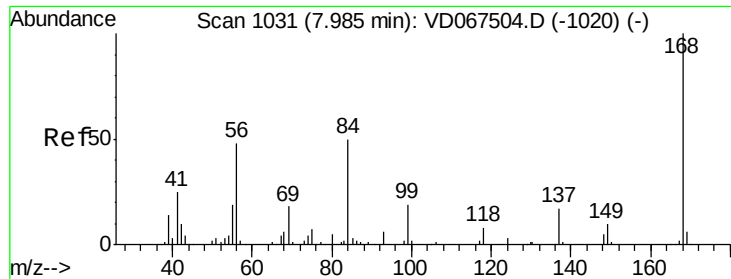
Instrument :
 MSVOA_D
 ClientSampleId :
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Manual Integrations
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 291637

Ion Ratio Lower Upper

168 100

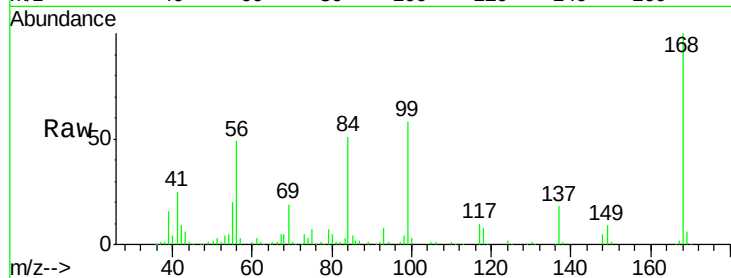
99 57.8 45.0 67.6

Manual Integrations

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11/19/2020 11:07:01 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

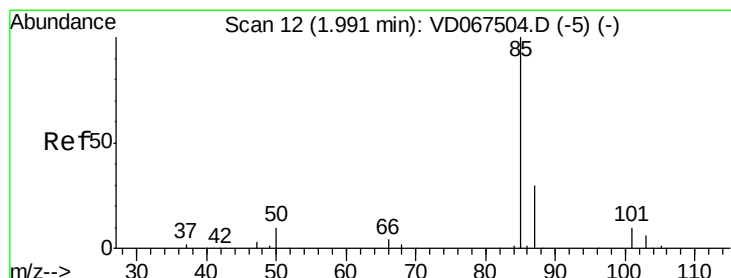
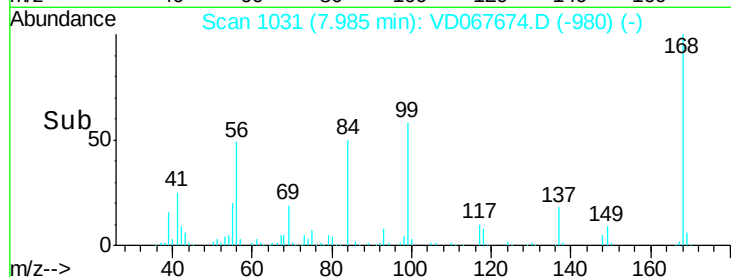
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 47.970 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067674.D

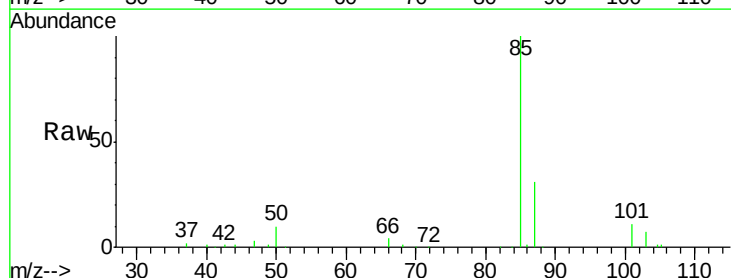
Acq: 18 Nov 2020 09:42

Tgt Ion: 85 Resp: 113680

Ion Ratio Lower Upper

85 100

87 31.1 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

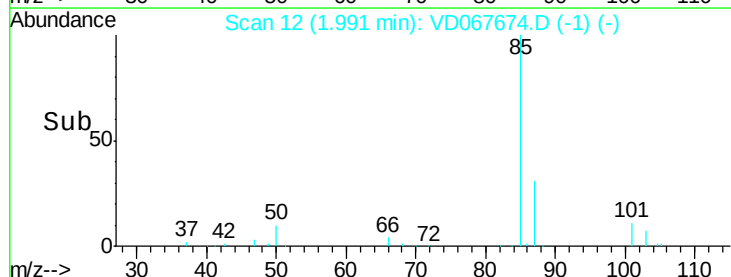
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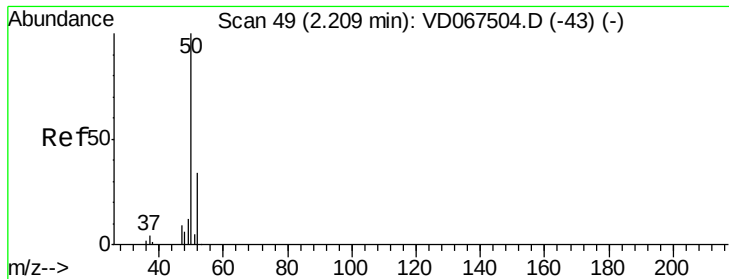
40000

20000

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Time-->





#3

Chloromethane

Concen: 40.290 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 73170

Ion Ratio Lower Upper

50 100

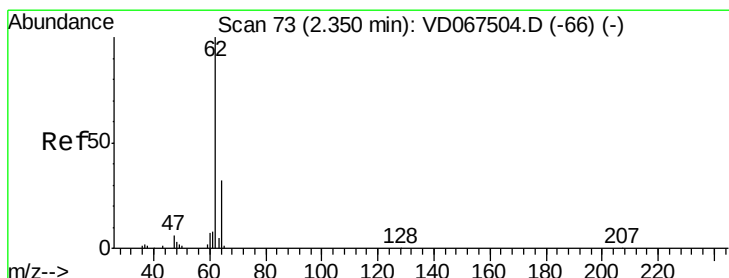
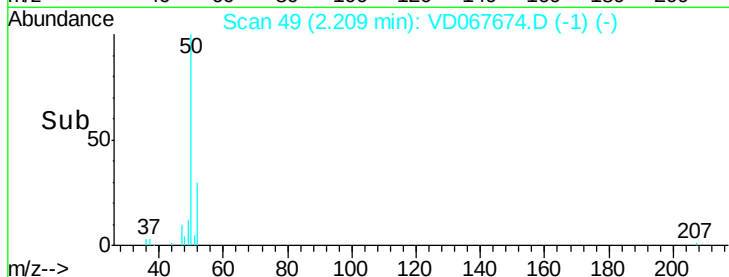
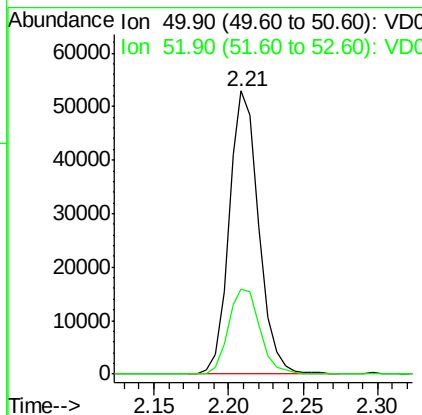
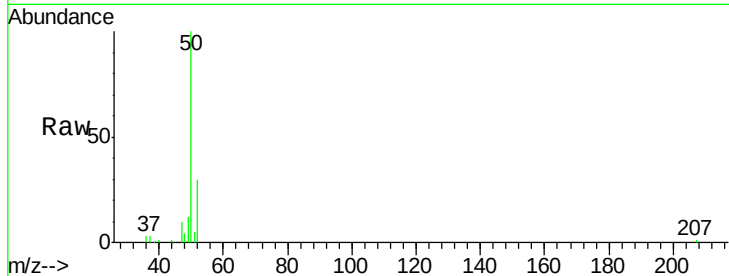
52 29.8 27.3 40.9

Manual Integrations

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#4

Vinyl Chloride

Concen: 42.759 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067674.D

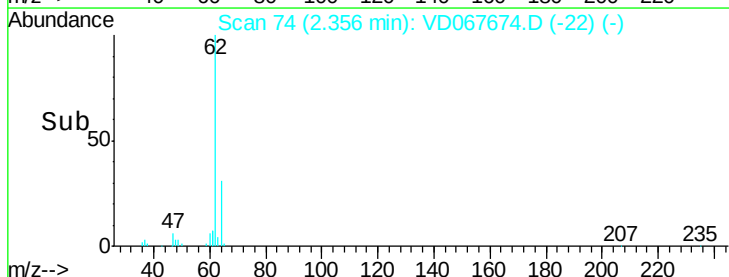
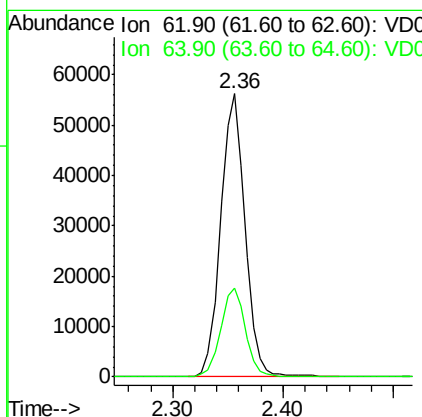
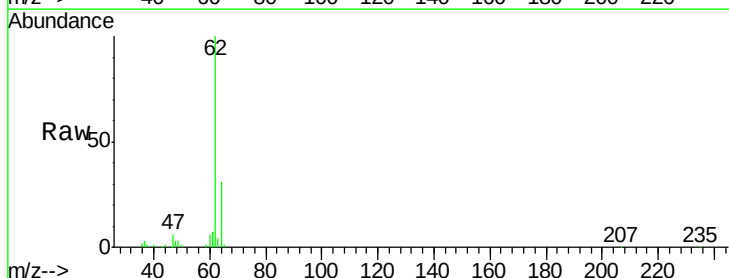
Acq: 18 Nov 2020 09:42

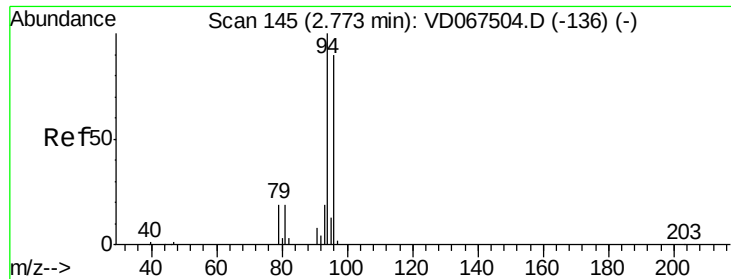
Tgt Ion: 62 Resp: 86576

Ion Ratio Lower Upper

62 100

64 31.5 25.6 38.4





#5

Bromomethane

Concen: 43.770 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 71832

Ion Ratio Lower Upper

94 100

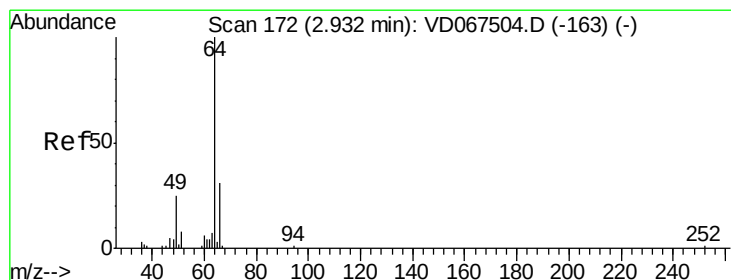
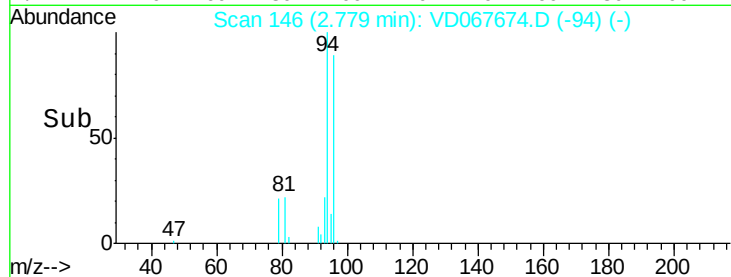
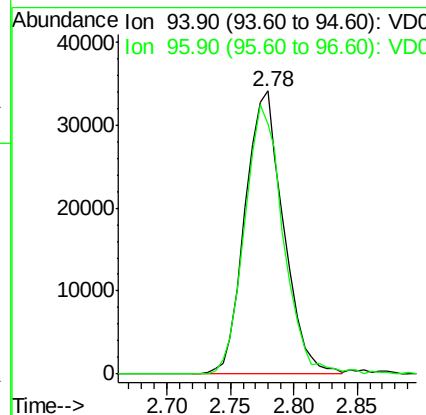
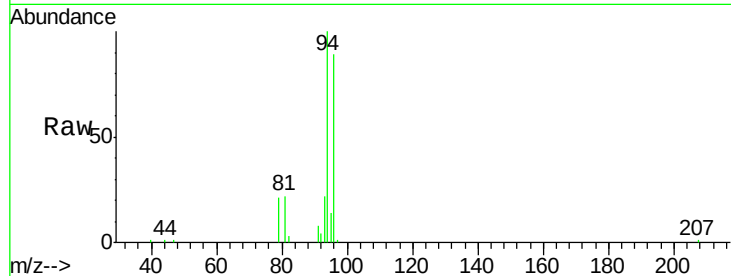
96 88.5 72.2 108.2

Manual Integrations

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#6

Chloroethane

Concen: 43.985 ug/l

RT: 2.93 min Scan# 172

Delta R.T. -0.00 min

Lab File: VD067674.D

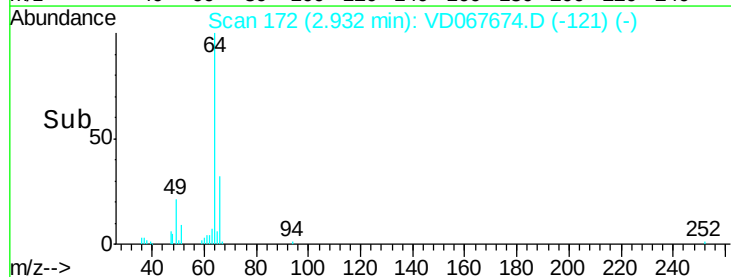
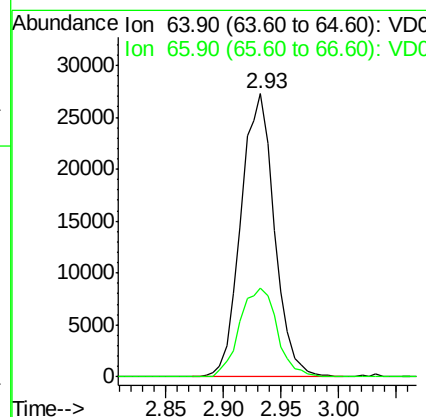
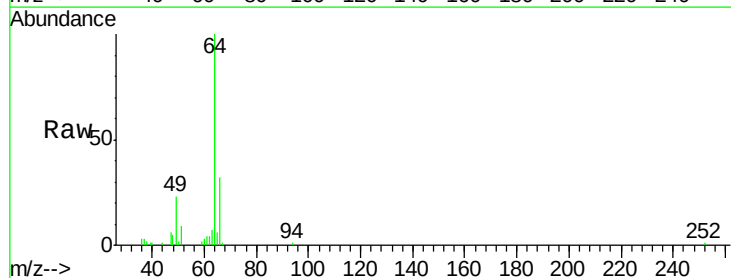
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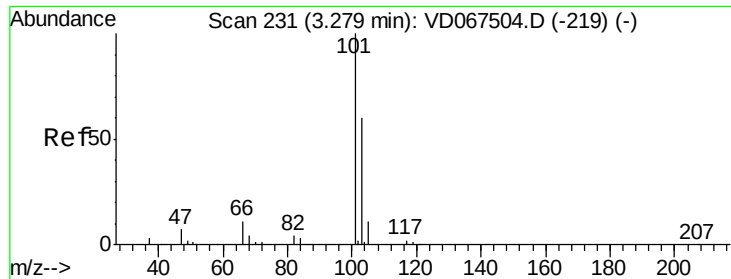
Tgt Ion: 64 Resp: 54907

Ion Ratio Lower Upper

64 100

66 31.5 24.6 36.8





#7

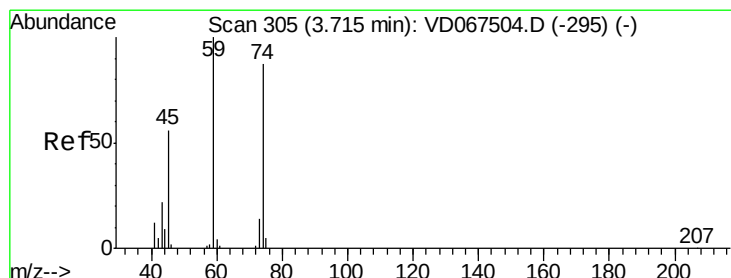
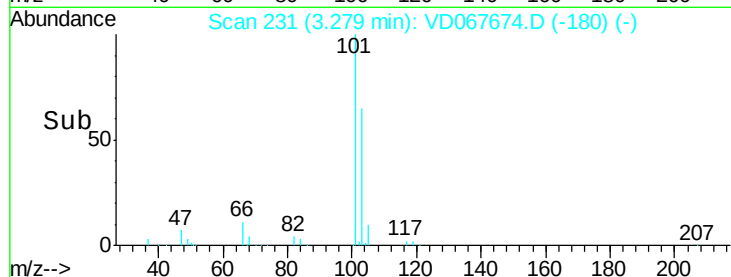
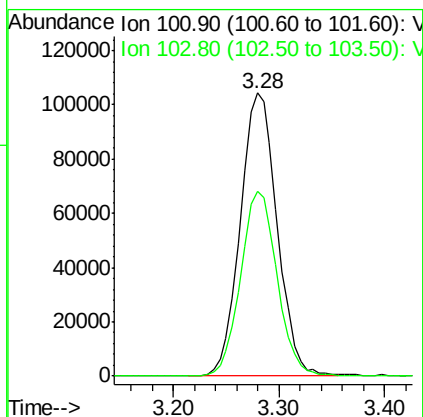
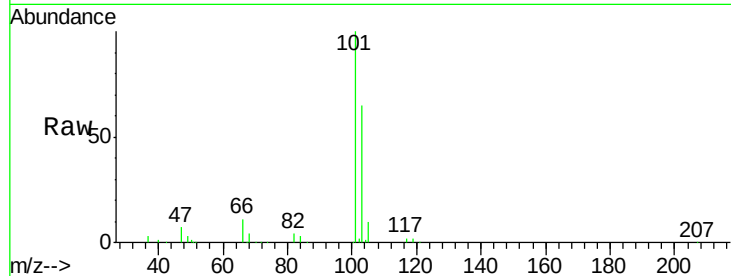
Trichlorofluoromethane
Concen: 48.147 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		252417		
103	65.4	48.1	72.1		

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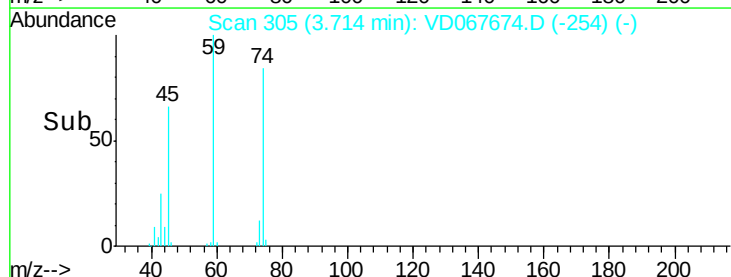
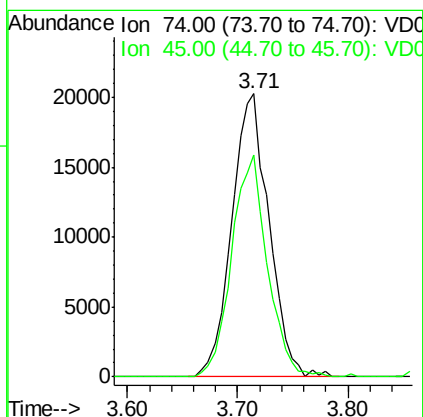
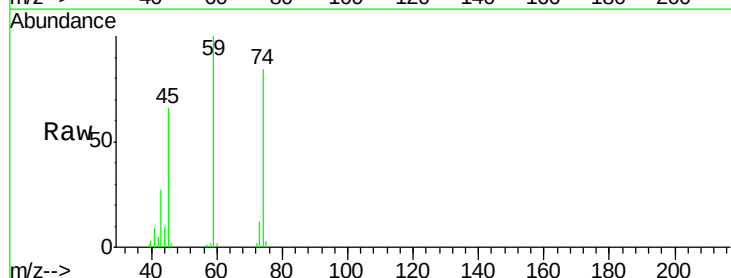
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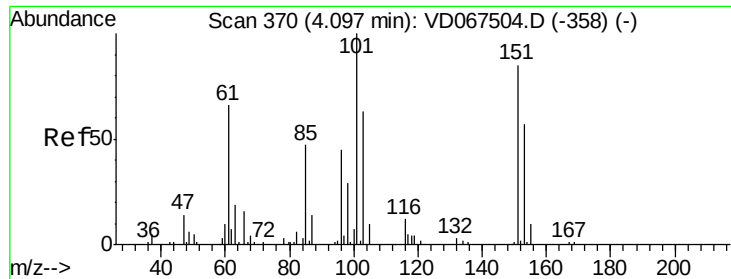


#8

Diethyl Ether
Concen: 45.341 ug/l
RT: 3.71 min Scan# 305
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		47897		
45	75.3	38.2	114.6		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.313 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067674.D

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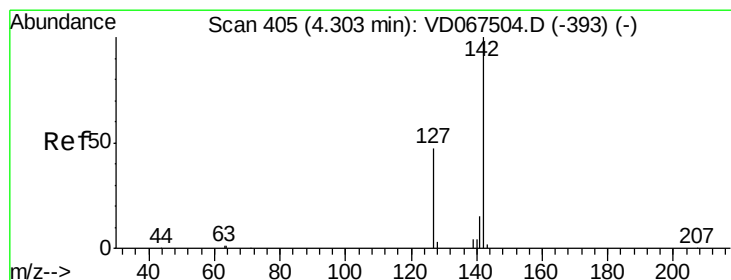
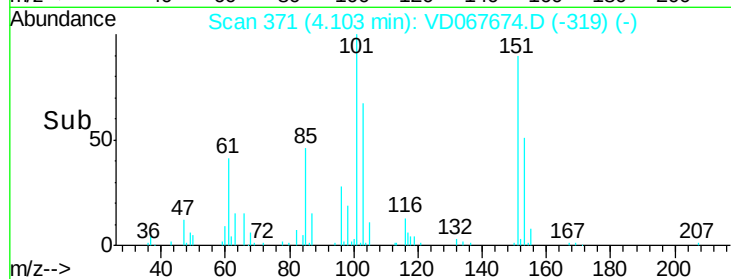
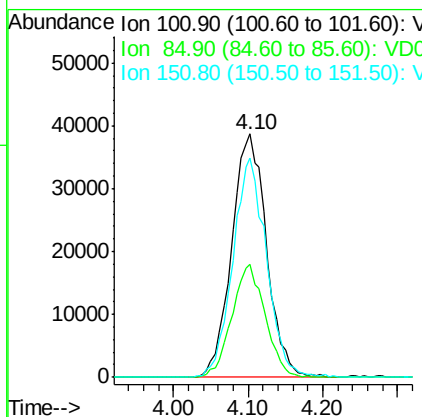
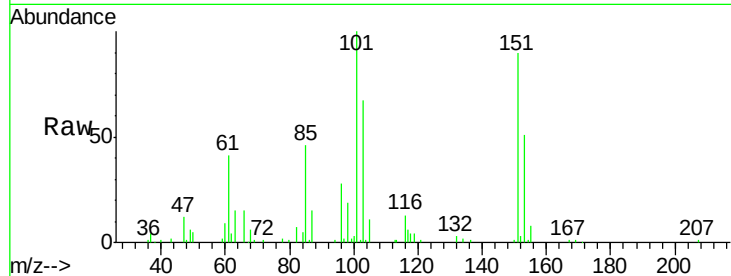
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	125205
Ion Ratio	Lower	Upper	
101	100		
85	44.3	34.4	51.6
151	87.3	68.1	102.1

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#10

Methyl Iodide

Concen: 47.579 ug/l

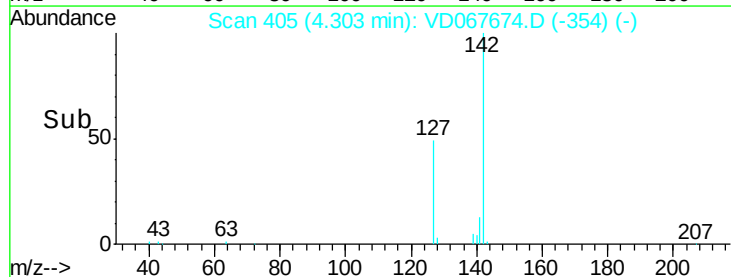
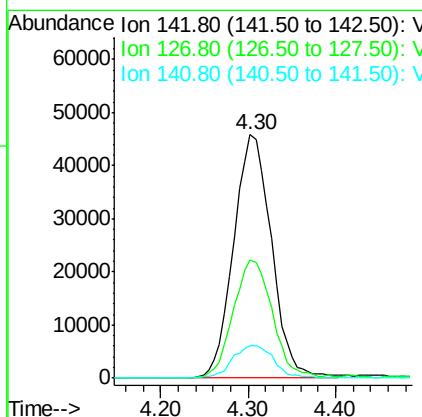
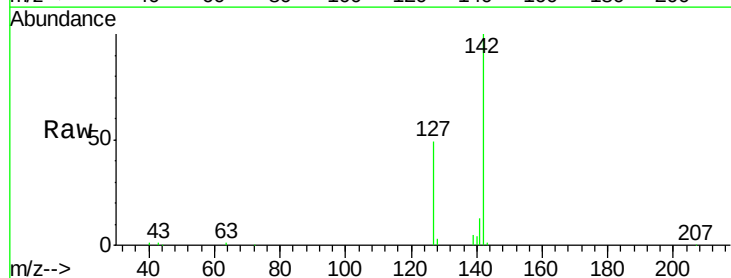
RT: 4.30 min Scan# 405

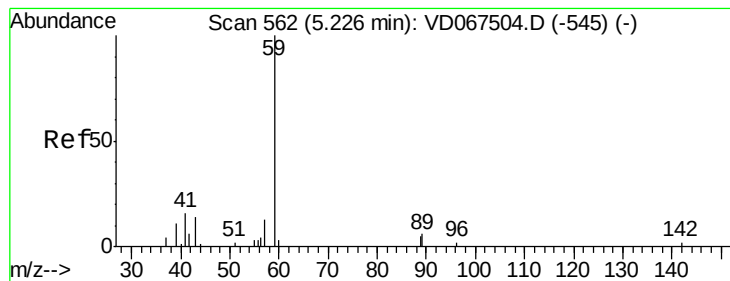
Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion:	142	Resp:	134948
Ion Ratio	Lower	Upper	
142	100		
127	50.1	40.0	60.0
141	14.4	11.7	17.5





#11

Tert butyl alcohol

Concen: 325.378 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 59 Resp: 35087

Ion Ratio Lower Upper

59 100

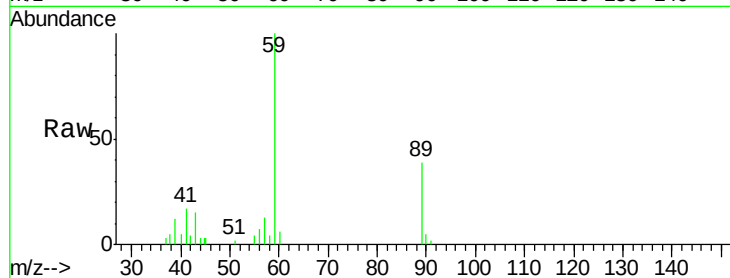
57 8.0 5.9 8.9

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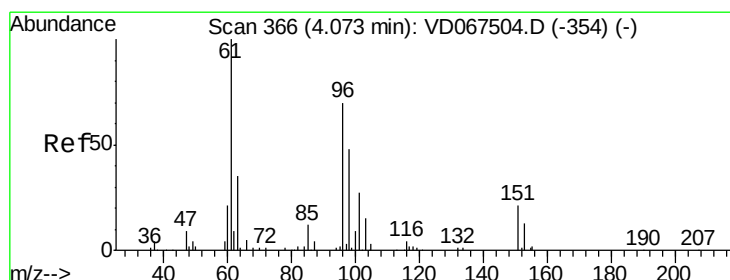
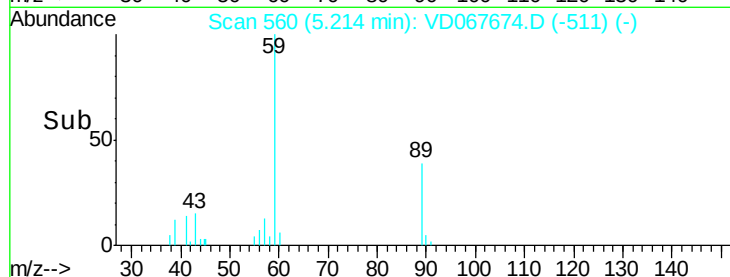
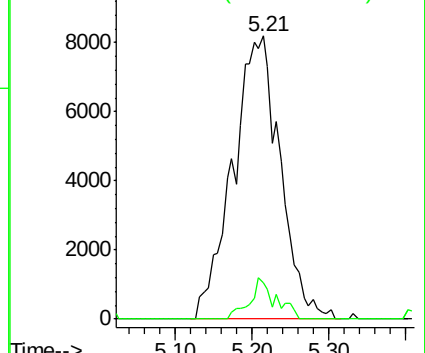
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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 47.612 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

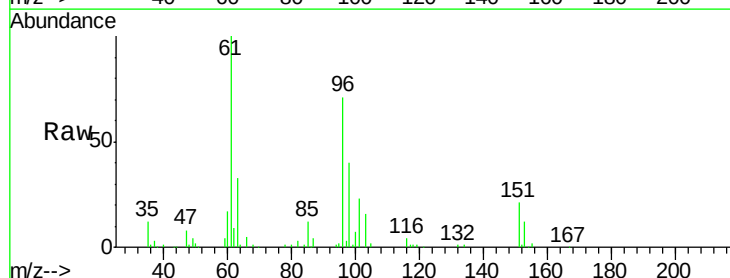
Tgt Ion: 96 Resp: 115896

Ion Ratio Lower Upper

96 100

61 140.5 114.5 171.7

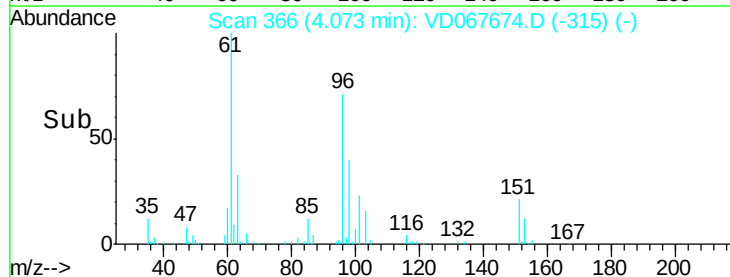
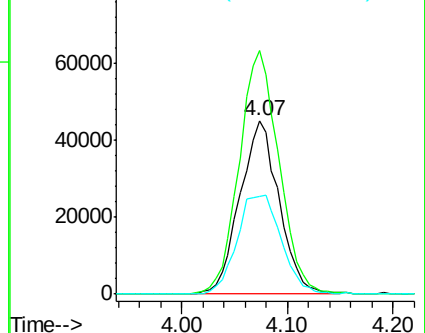
98 56.7 54.5 81.7

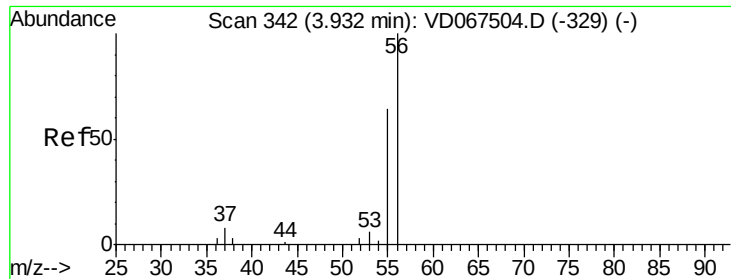


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





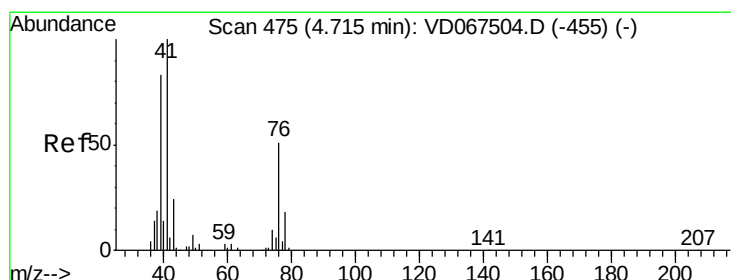
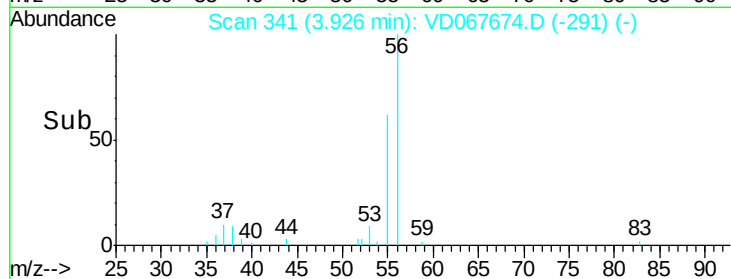
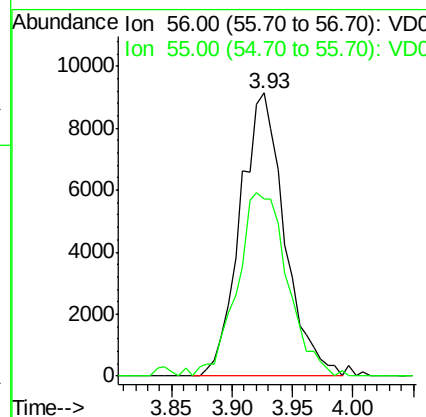
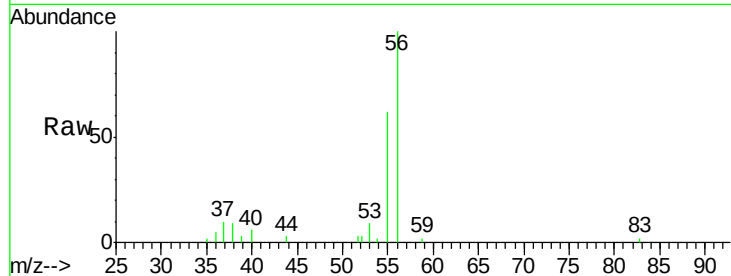
#13
Acrolein
Concen: 212.063 ug/l
RT: 3.93 min Scan# 341
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
55	73.1	55.8	83.8	

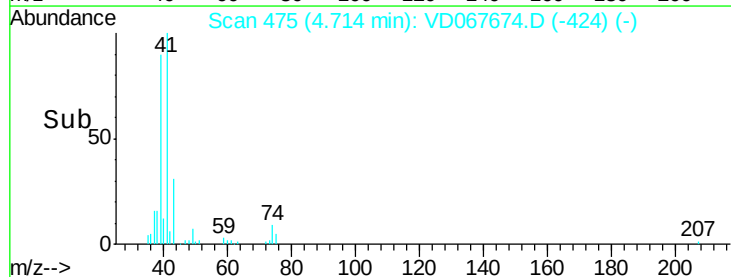
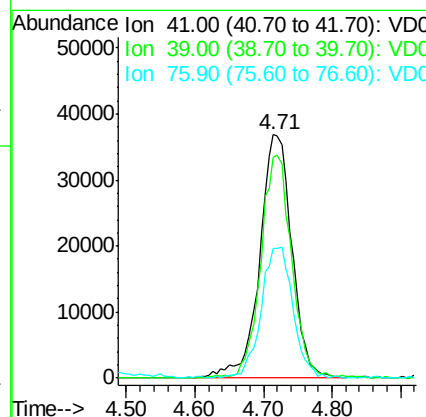
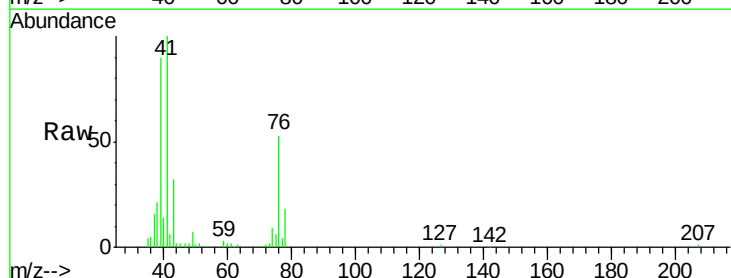
Manual Integrations
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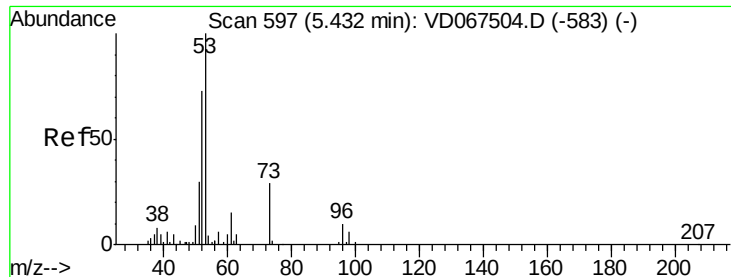
MMDadoda
11/19/2020 11:07:01 AM



#14
Allyl chloride
Concen: 46.218 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ion	Ratio	Lower	Upper
41	100			
39	85.5	67.4	101.0	
76	52.9	42.2	63.2	





#15

Acrylonitrile

Concen: 235.047 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

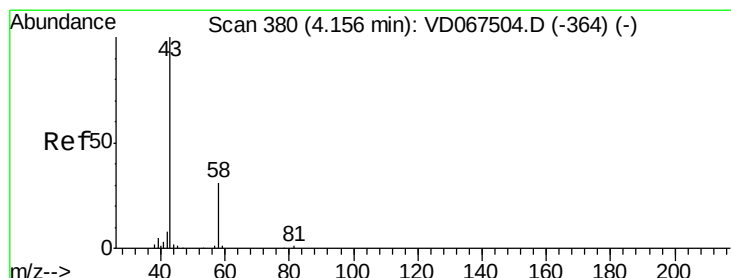
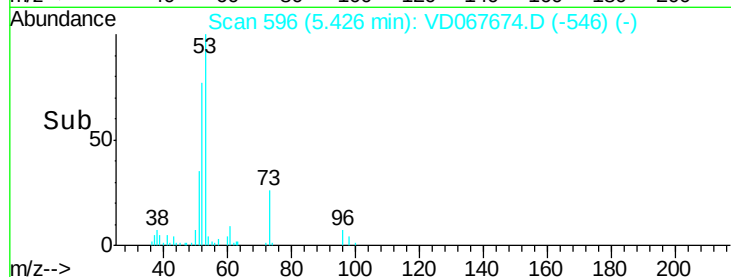
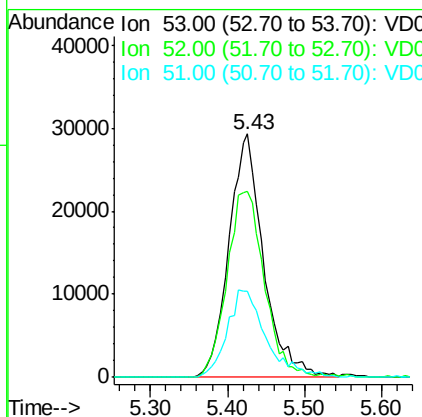
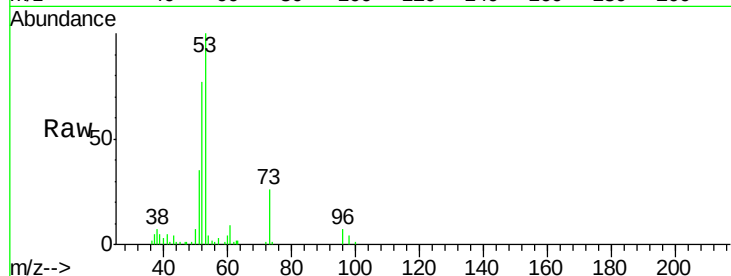
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	91785
Ion	Ratio	Lower	Upper
53	100		
52	82.5	64.8	97.2
51	40.1	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 268.412 ug/l

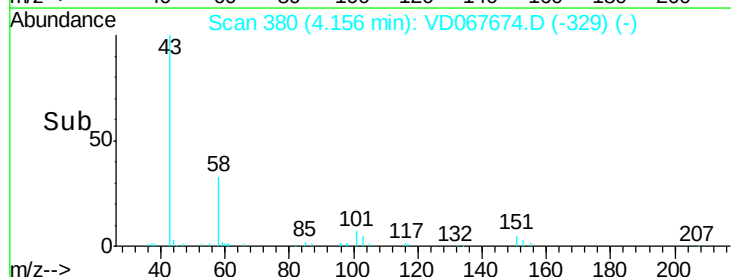
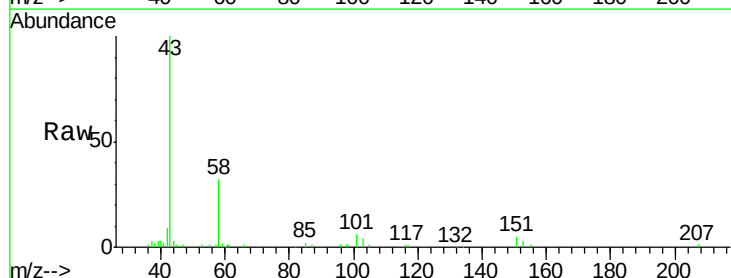
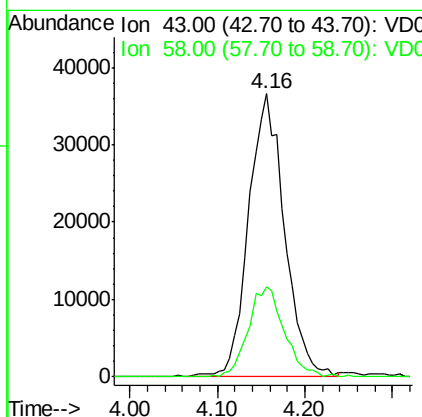
RT: 4.16 min Scan# 380

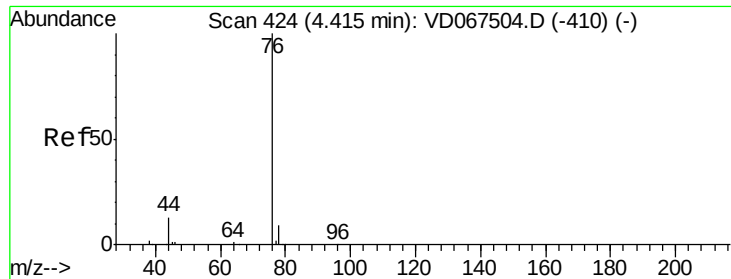
Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion:	43	Resp:	102426
Ion	Ratio	Lower	Upper
43	100		
58	31.8	25.2	37.8





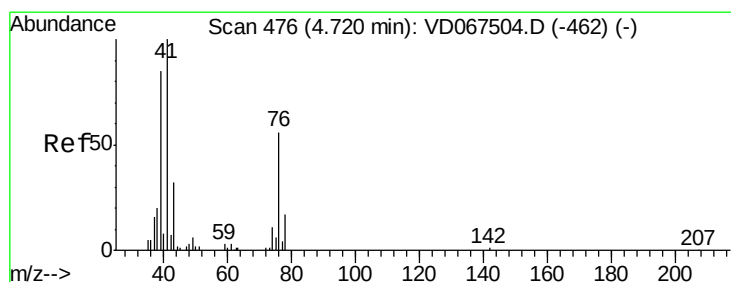
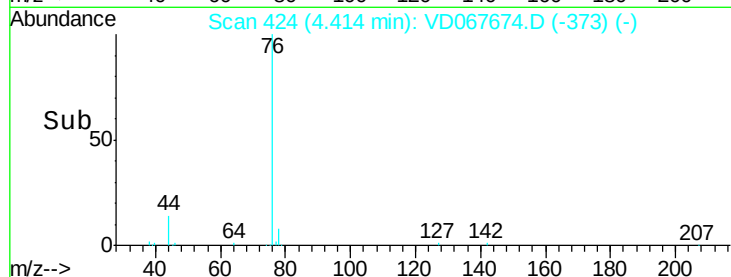
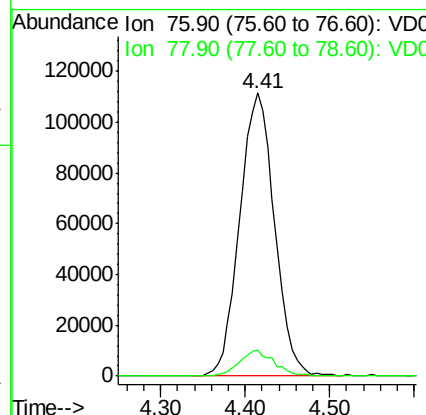
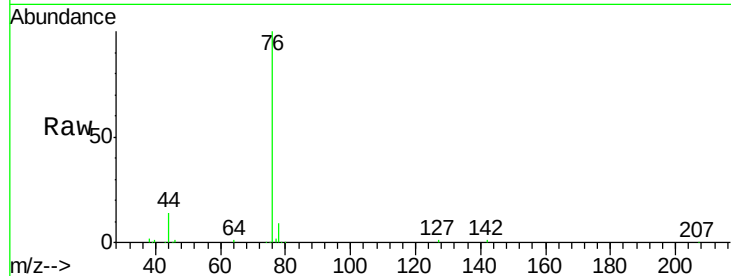
#17
Carbon Disulfide
Concen: 42.642 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.2	10.8

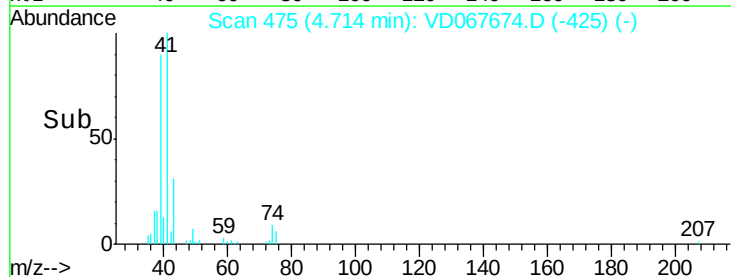
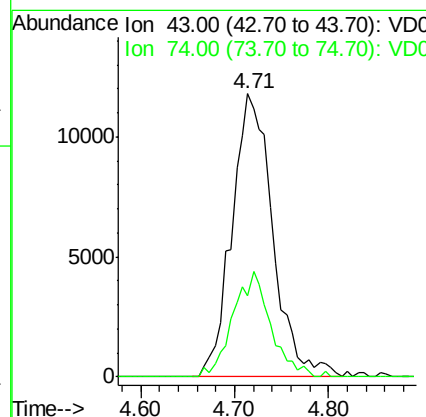
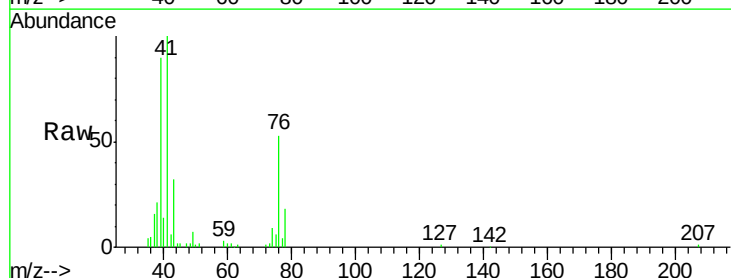
Manual Integrations
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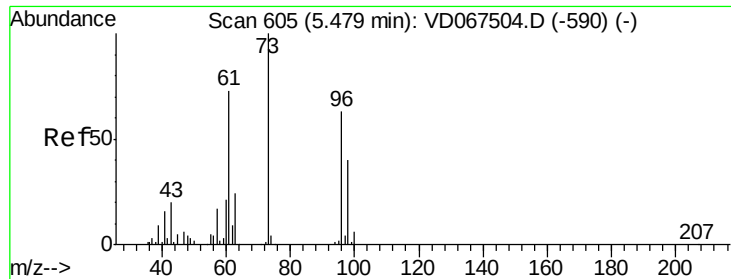
MMDadoda
11/19/2020 11:07:01 AM



#18
Methyl Acetate
Concen: 45.081 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
43	100		
74	34.2	27.2	40.8





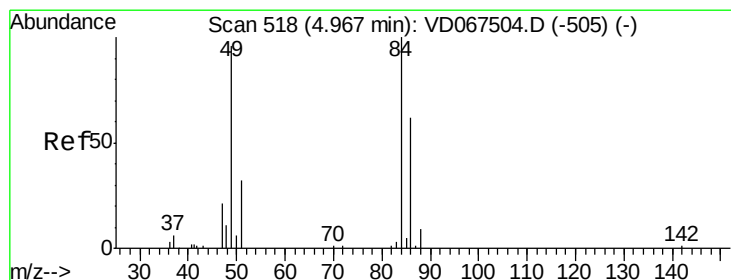
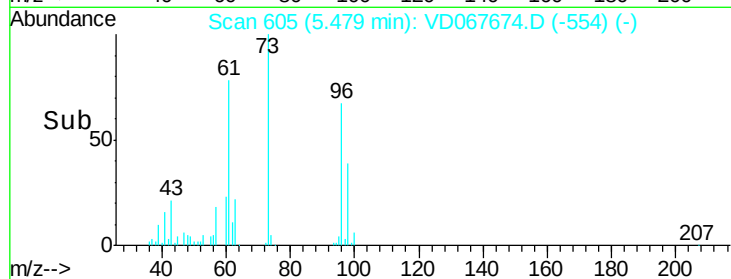
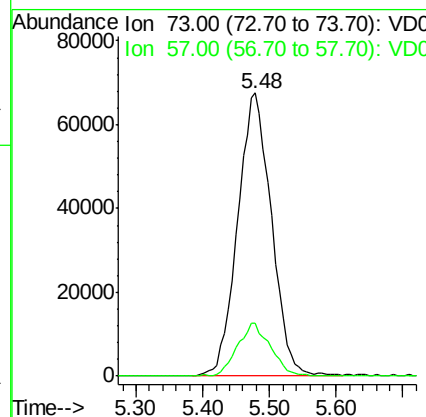
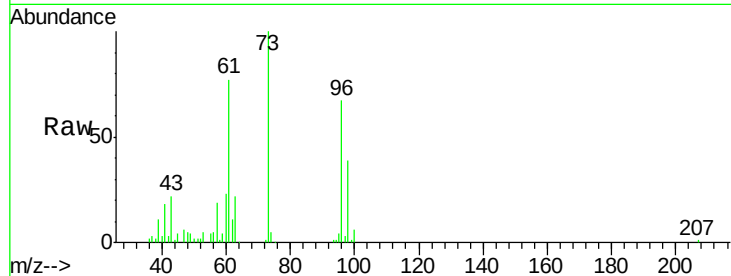
#19
Methyl tert-butyl Ether
Concen: 49.265 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
73	100		
57	18.8	13.4	20.0

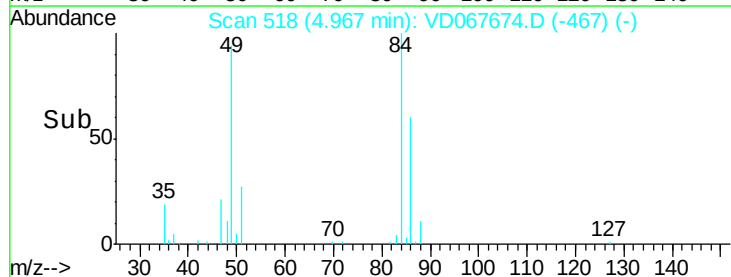
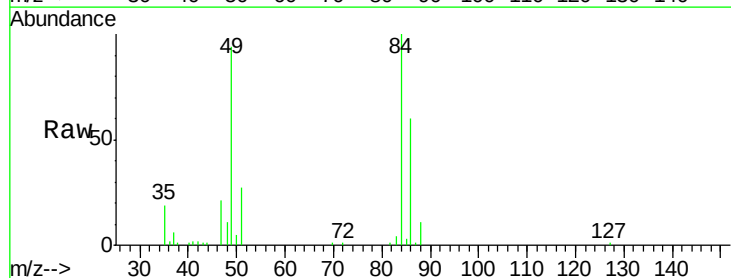
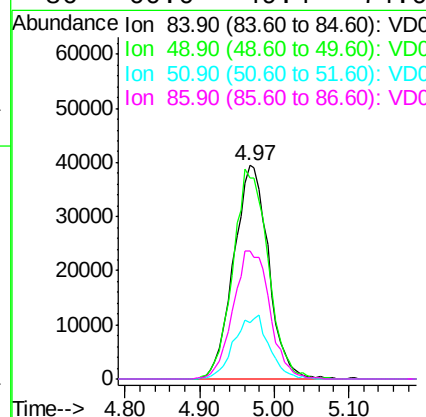
Manual Integrations
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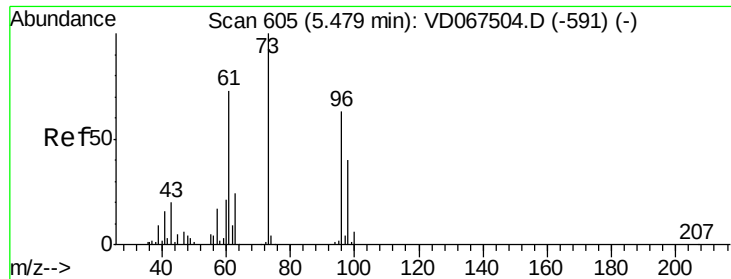
MMDadoda
11/19/2020 11:07:01 AM



#20
Methylene Chloride
Concen: 47.465 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
84	100		
49	93.9	77.0	115.4
51	26.6	25.4	38.2
86	60.0	49.4	74.0





#21

trans-1,2-Dichloroethene

Concen: 47.865 ug/l

RT: 5.48 min Scan# 605

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

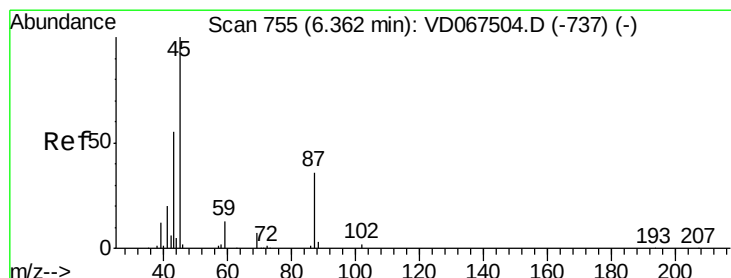
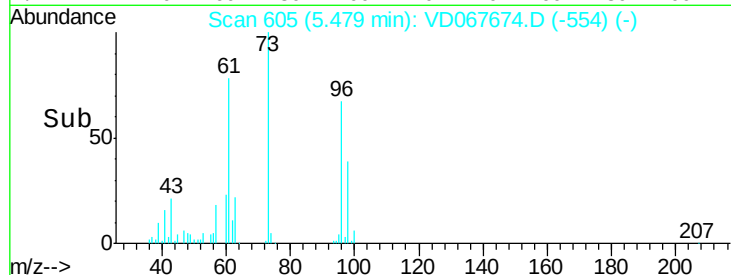
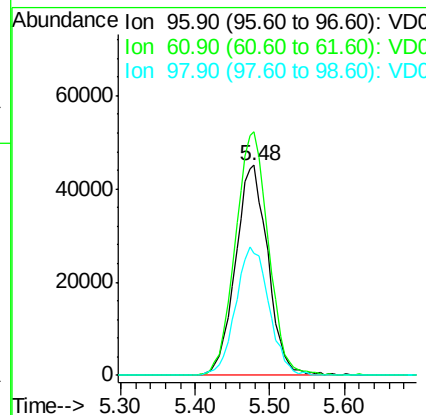
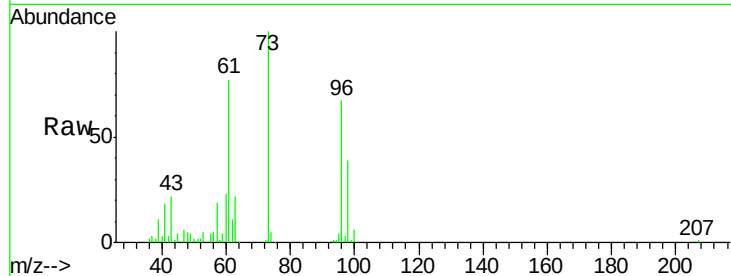
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	135703
Ion	Ratio	Lower	Upper
96	100		
61	116.1	93.0	139.6
98	58.2	50.9	76.3

Manual Integrations
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#22

Diisopropyl ether

Concen: 48.430 ug/l

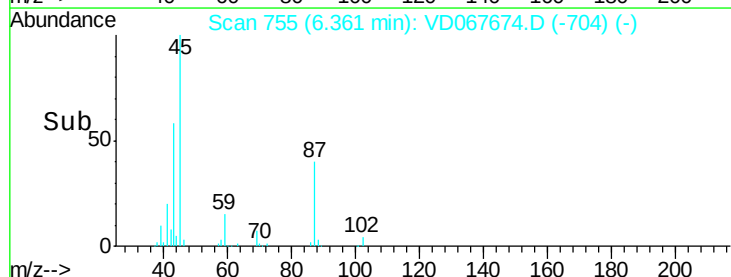
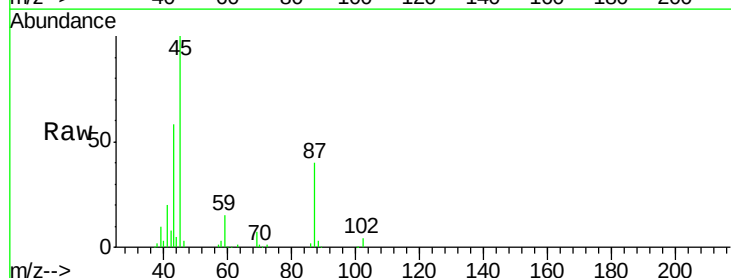
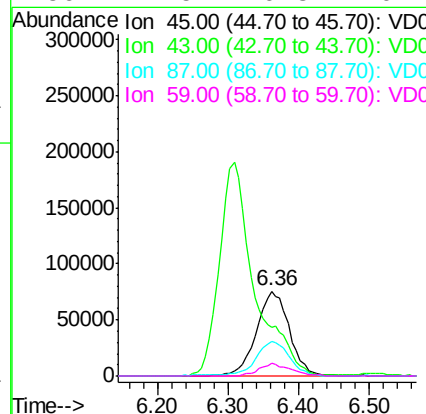
RT: 6.36 min Scan# 755

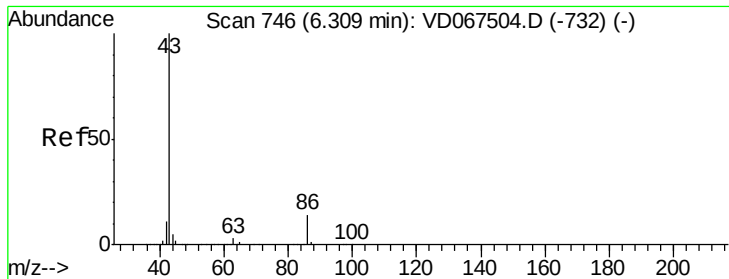
Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion:	45	Resp:	245865
Ion	Ratio	Lower	Upper
45	100		
43	56.3	46.2	69.4
87	40.1	29.4	44.2
59	14.5	10.8	16.2





#23

Vinyl Acetate

Concen: 249.459 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 662914

Ion Ratio Lower Upper

43 100

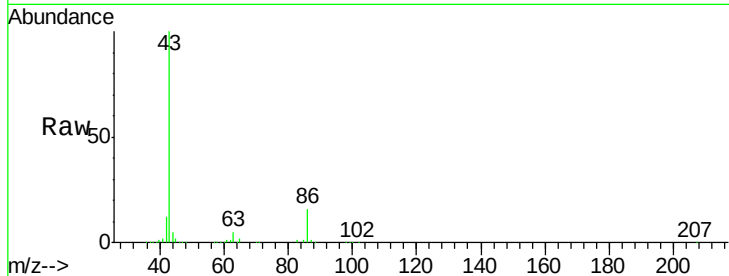
86 16.0 11.6 17.4

Manual Integrations

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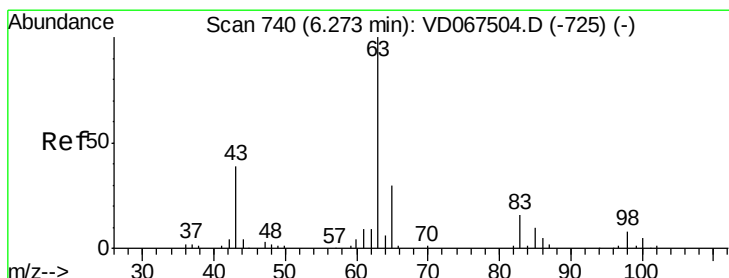
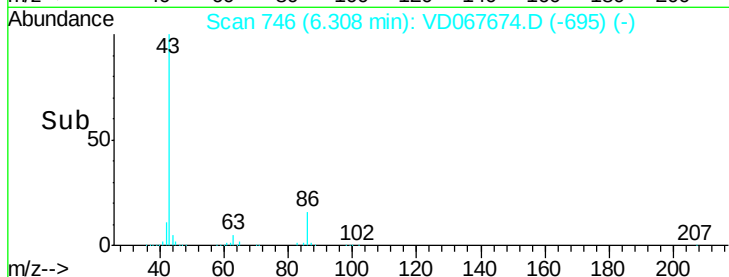
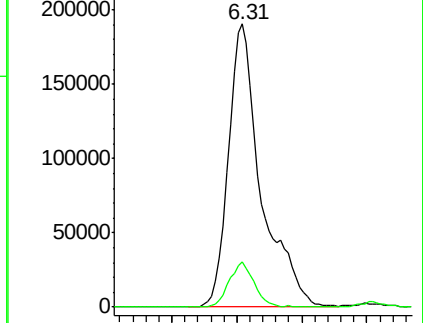
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 47.224 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

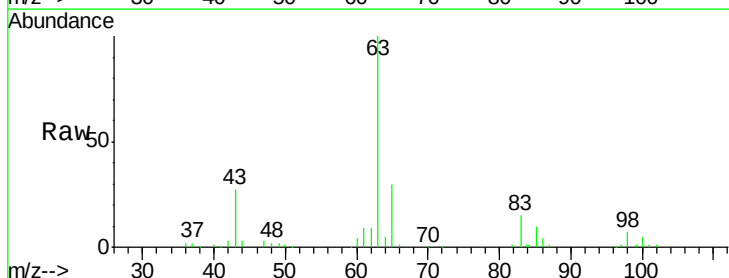
Tgt Ion: 63 Resp: 196133

Ion Ratio Lower Upper

63 100

98 6.9 3.9 11.5

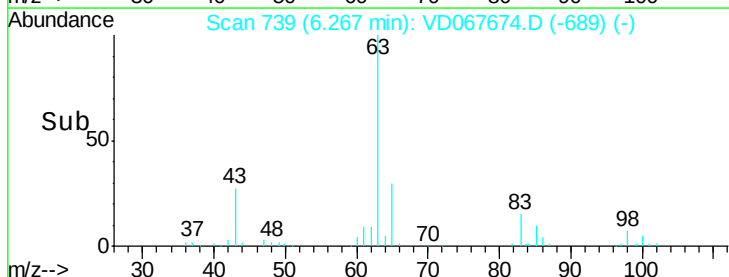
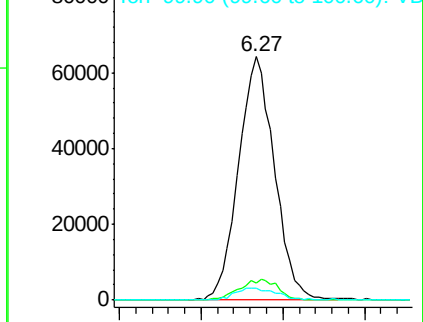
100 5.1 2.6 7.8

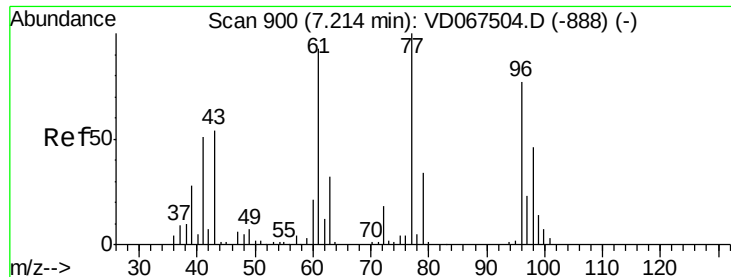


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 241.138 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 98324

Ion Ratio Lower Upper

43 100

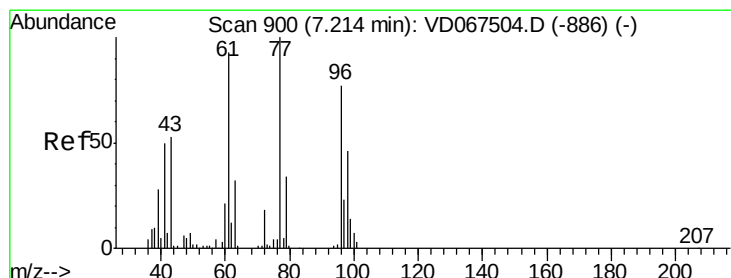
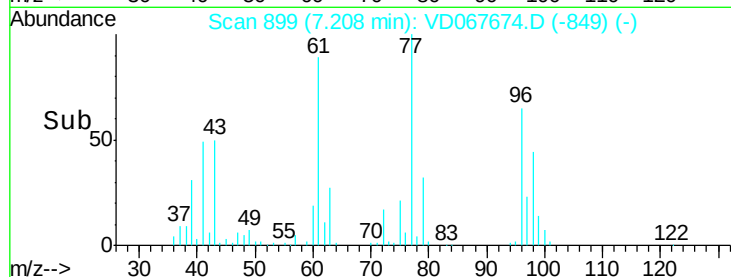
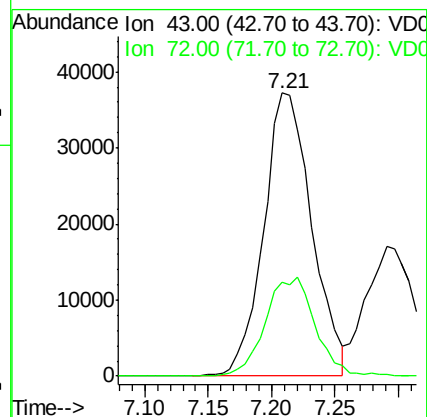
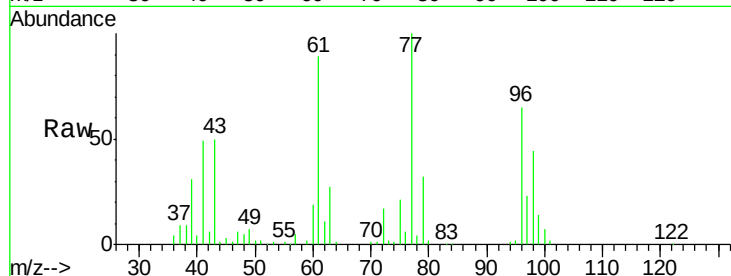
72 33.1 26.4 39.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.582 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067674.D

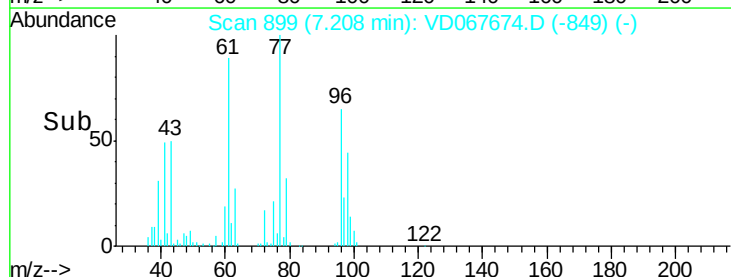
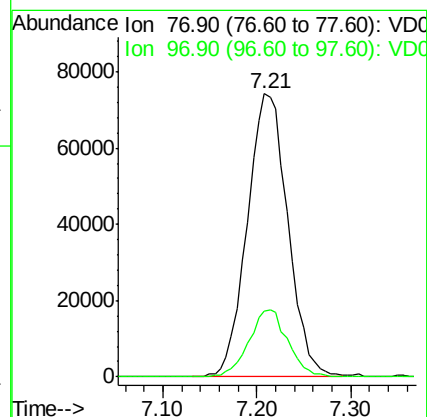
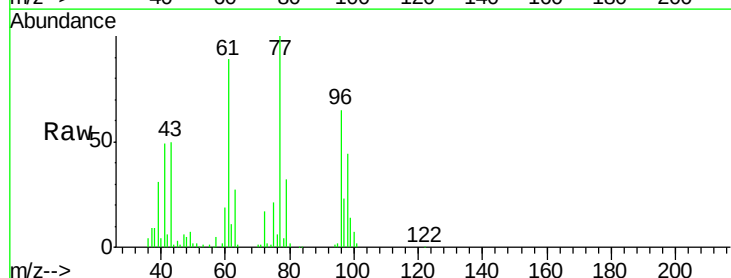
Acq: 18 Nov 2020 09:42

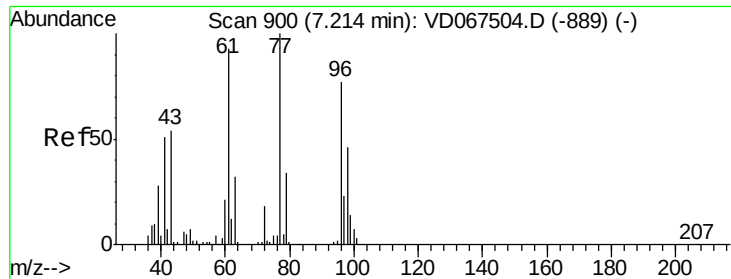
Tgt Ion: 77 Resp: 221717

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3





#27

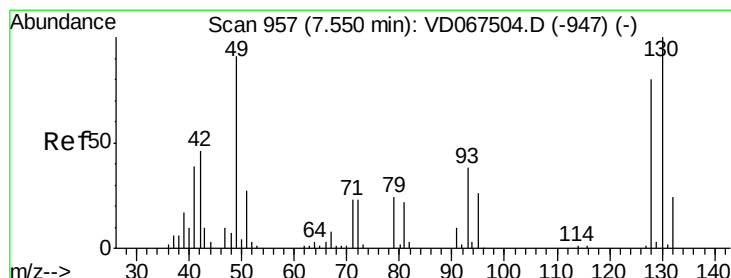
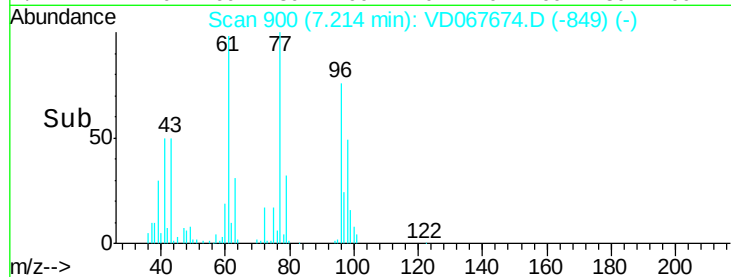
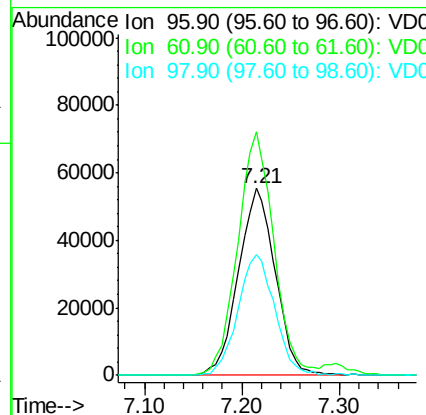
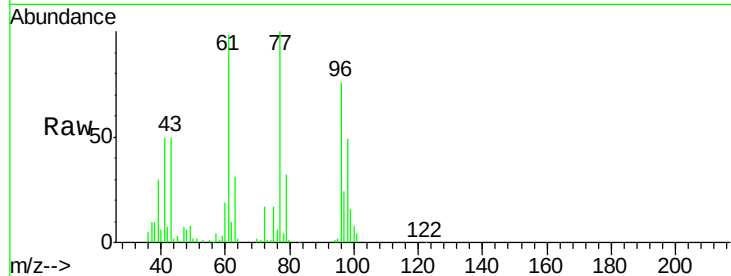
cis-1,2-Dichloroethene
Concen: 49.789 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	146516		
61	127.8	0.0	251.6	
98	64.5	0.0	128.0	

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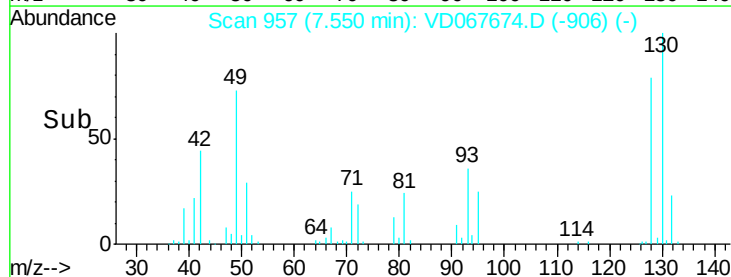
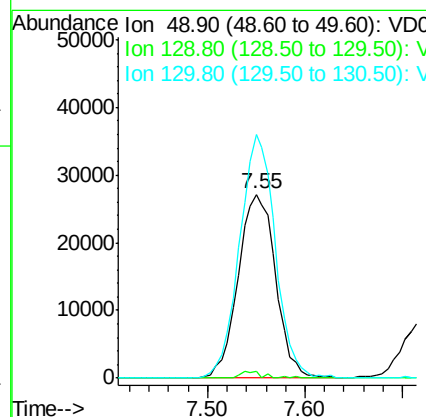
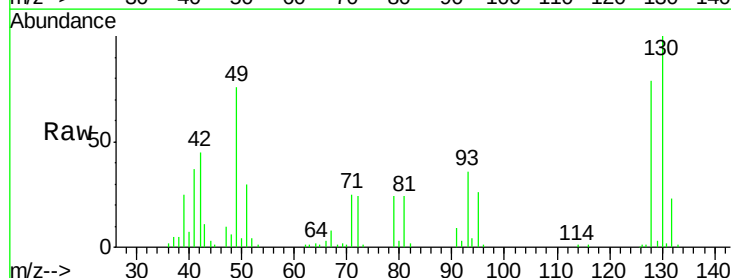
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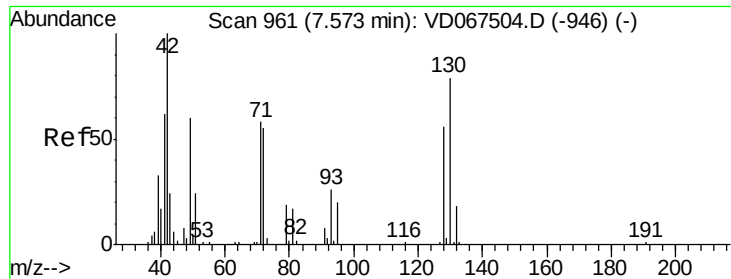


#28

Bromochloromethane
Concen: 49.117 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	72561		
129	2.0	0.0	6.4	
130	126.8	94.6	142.0	





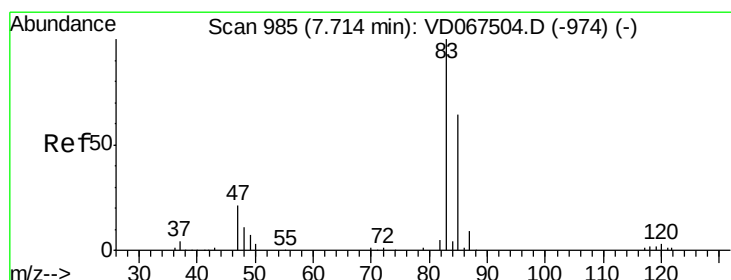
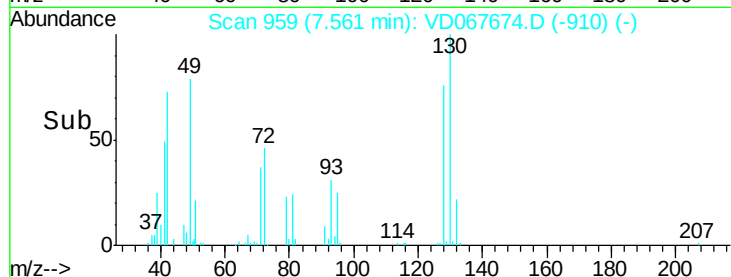
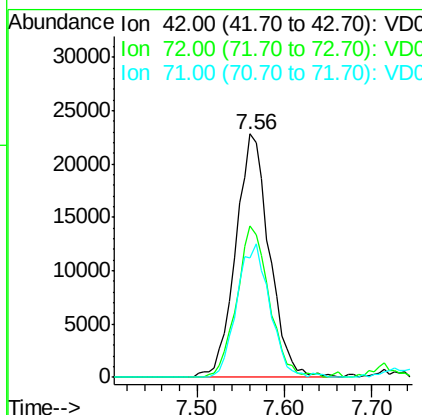
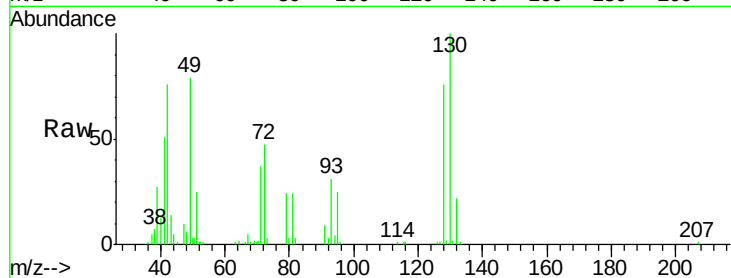
#29
Tetrahydrofuran
Concen: 243.425 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.1	46.3	69.5
71	53.3	44.0	66.0

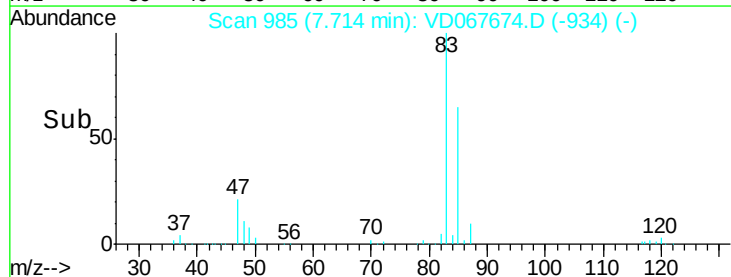
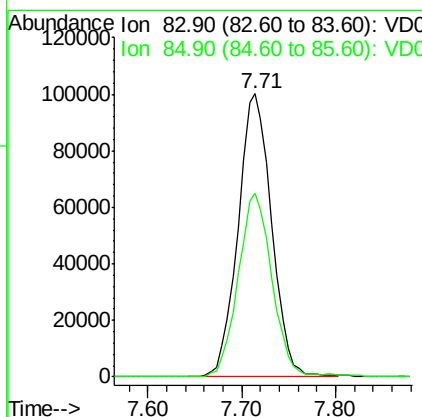
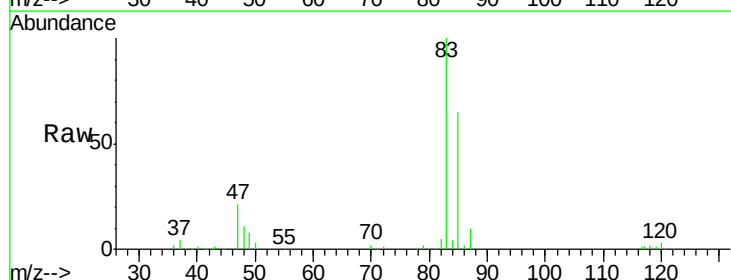
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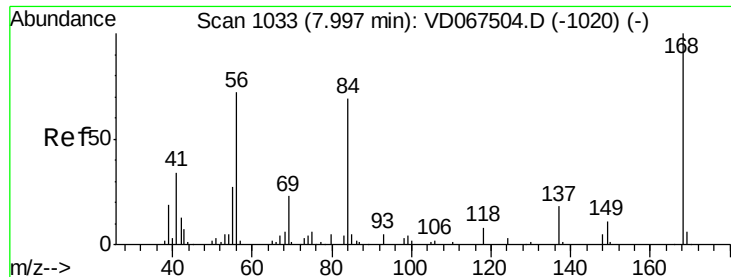
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#30
Chloroform
Concen: 49.912 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.7	51.5	77.3





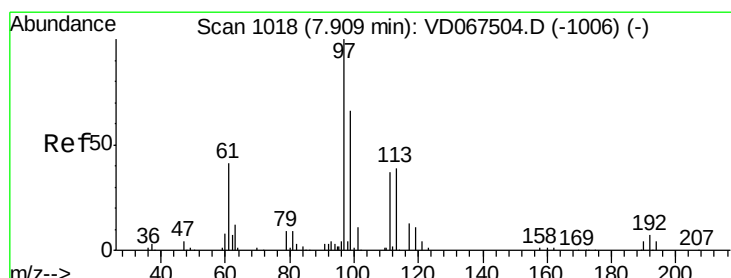
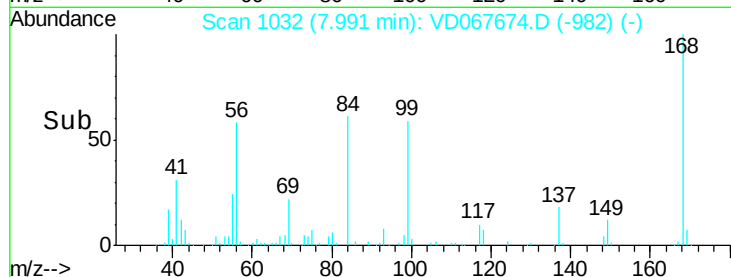
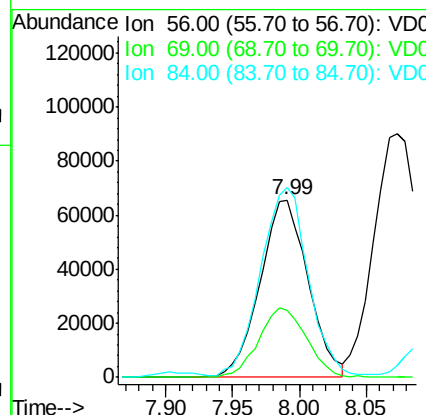
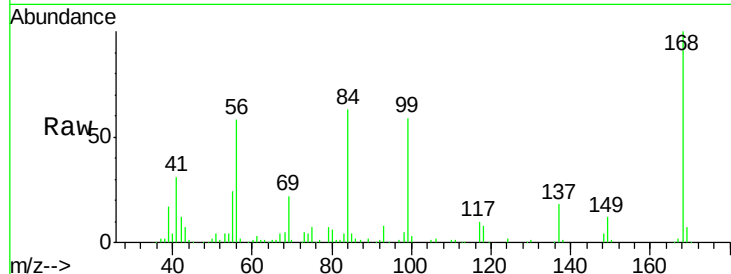
#31
Cyclohexane
Concen: 44.288 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	37.9	25.9	38.9
84	105.1	76.2	114.4

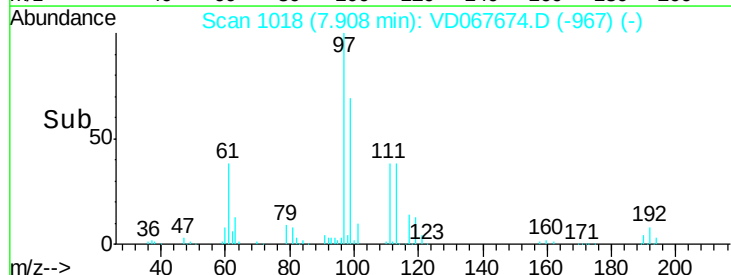
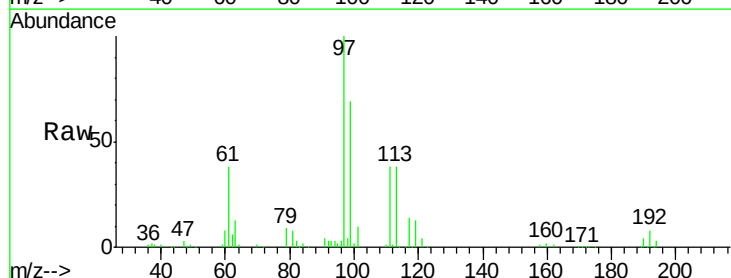
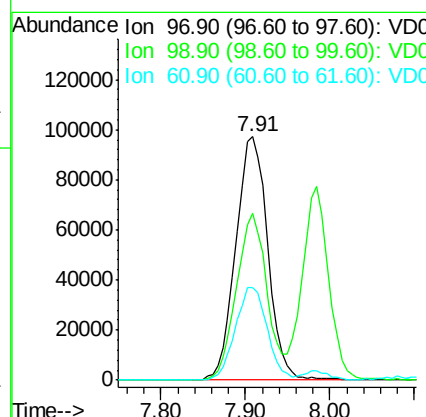
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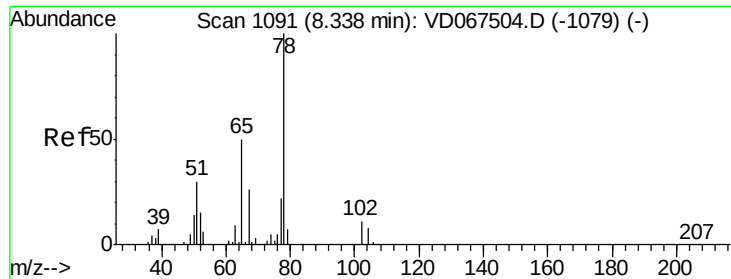
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#32
1,1,1-Trichloroethane
Concen: 49.607 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	51.8	77.6
61	37.8	30.5	45.7





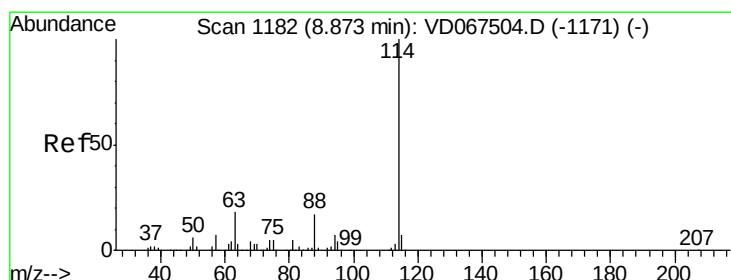
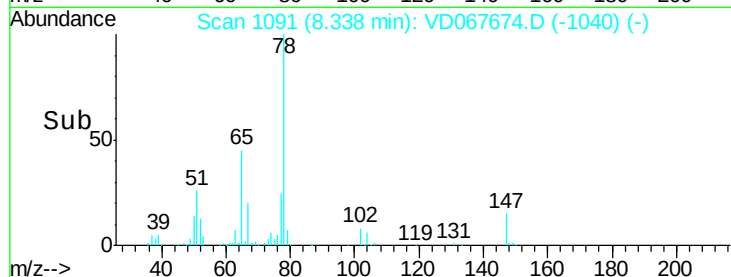
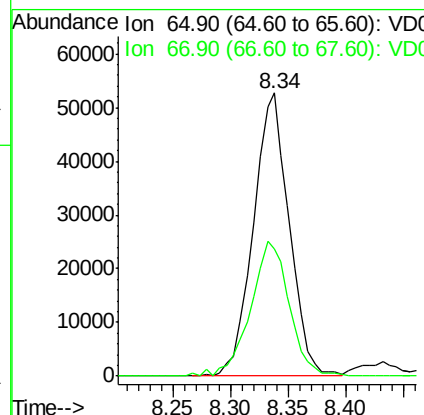
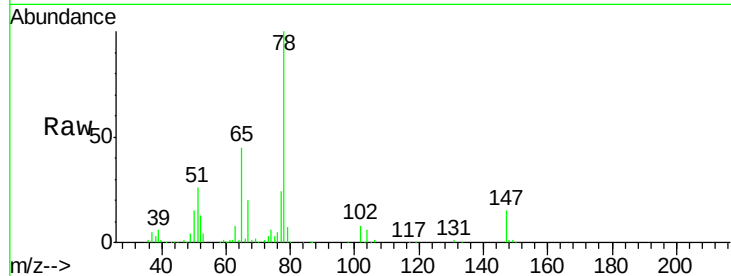
#33
 1,2-Dichloroethane-d4
 Concen: 44.614 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	51.6	0.0	99.4	

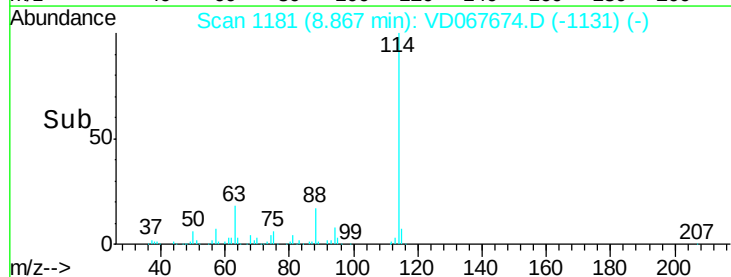
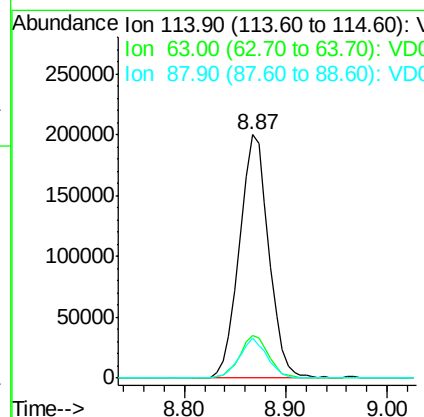
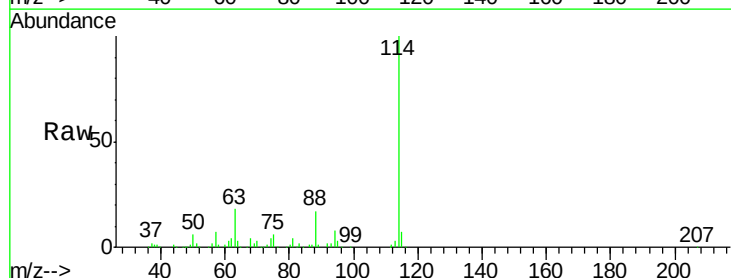
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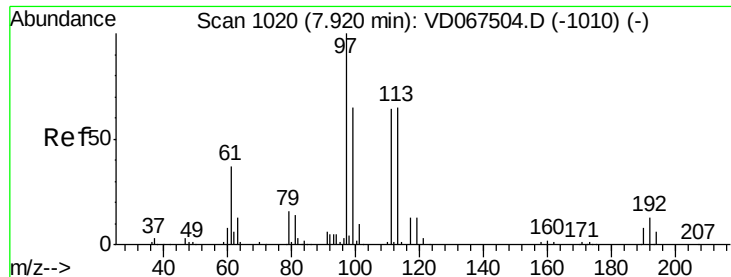
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.8	0.0	35.0	
88	16.7	0.0	33.0	





#35

Dibromofluoromethane

Concen: 47.559 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

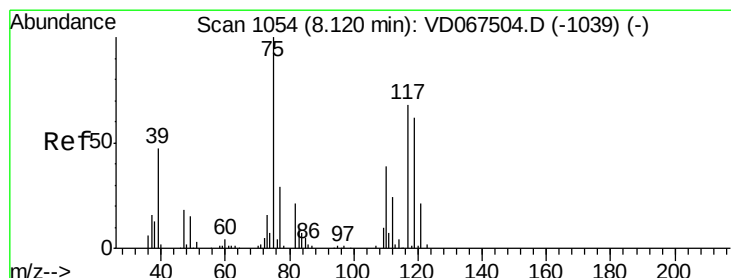
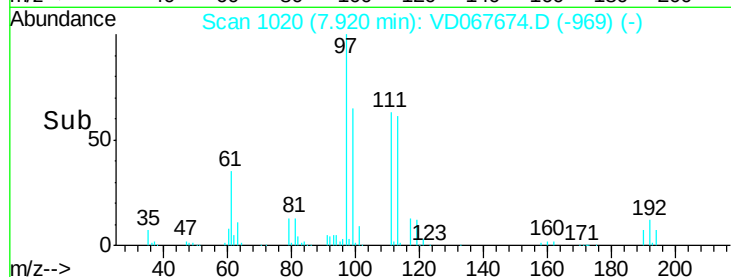
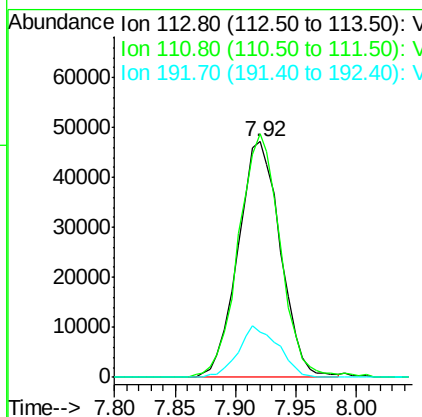
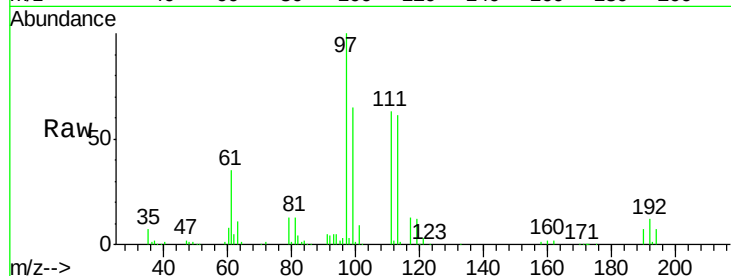
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	115454		
111	101.8	80.0	120.0	
192	20.7	16.3	24.5	

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#36

1,1-Dichloropropene

Concen: 52.531 ug/l

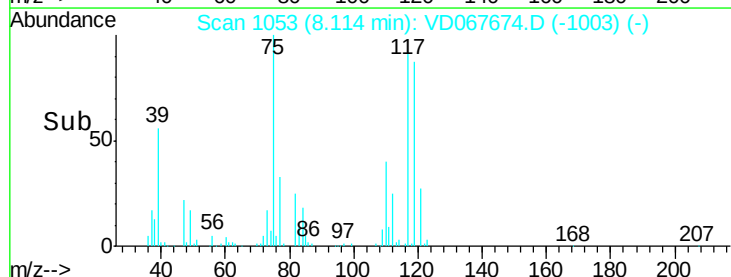
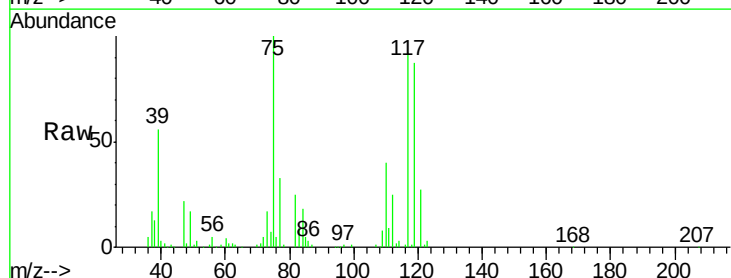
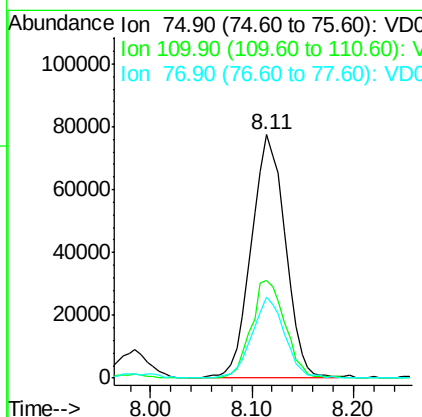
RT: 8.11 min Scan# 1053

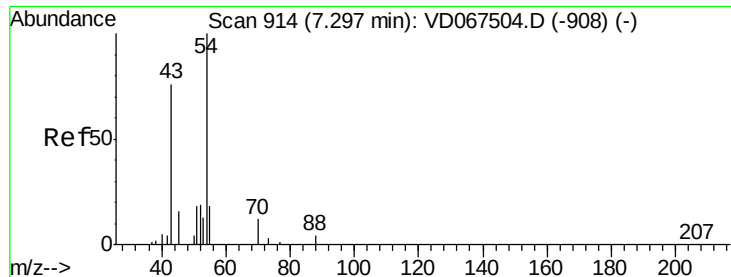
Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	181175		
110	39.8	19.9	59.7	
77	32.2	24.8	37.2	





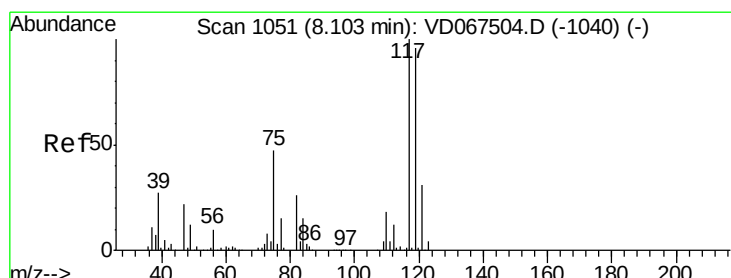
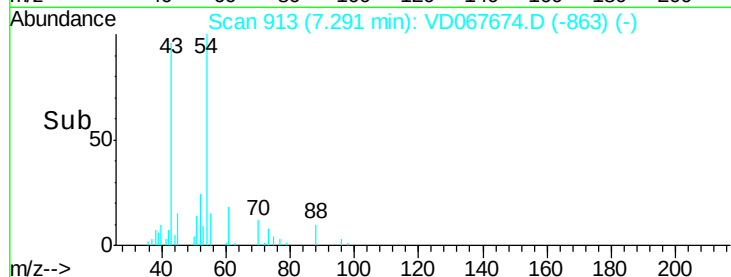
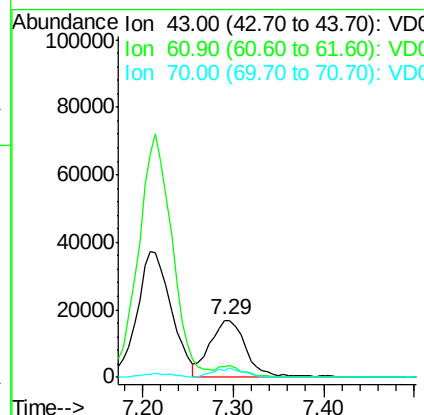
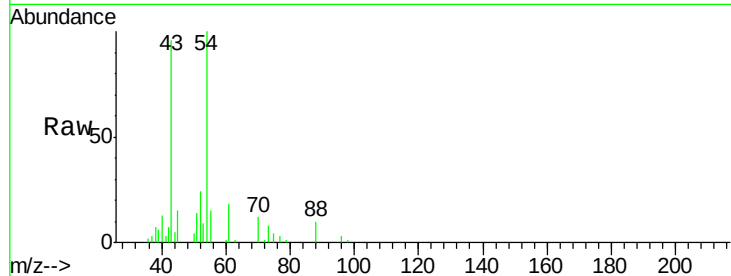
#37
Ethyl Acetate
Concen: 53.026 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.6	12.8	19.2#
70	13.7	11.7	17.5

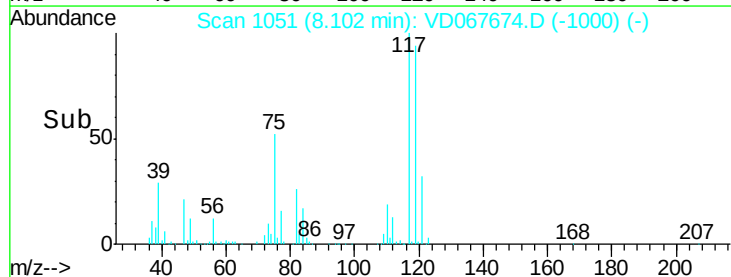
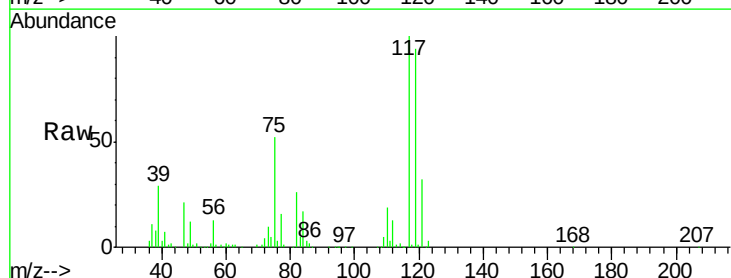
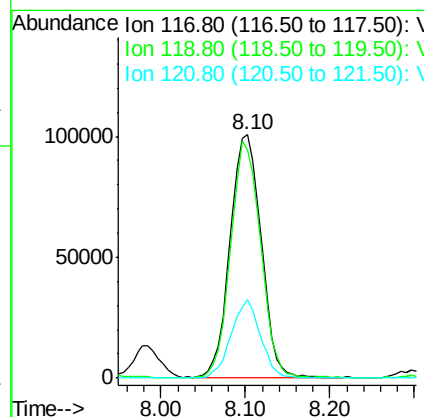
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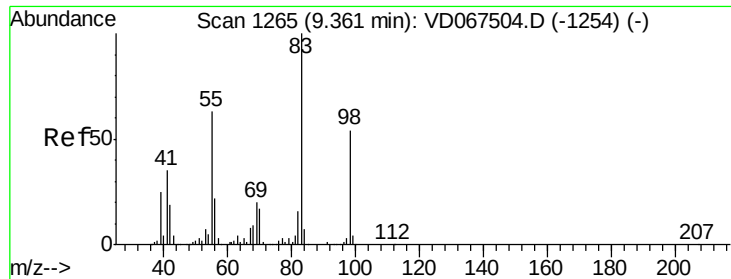
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#38
Carbon Tetrachloride
Concen: 57.233 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.9	76.9	115.3
121	32.6	24.5	36.7





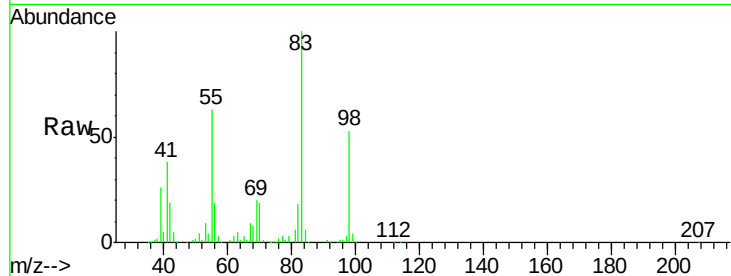
#39
Methylvlcyclohexane
Concen: 51.800 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

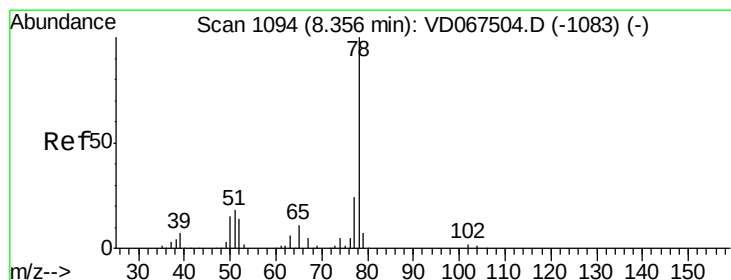
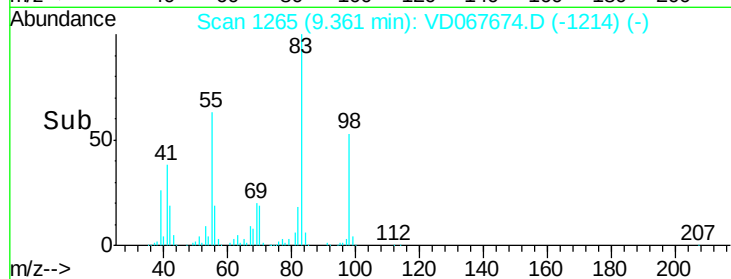
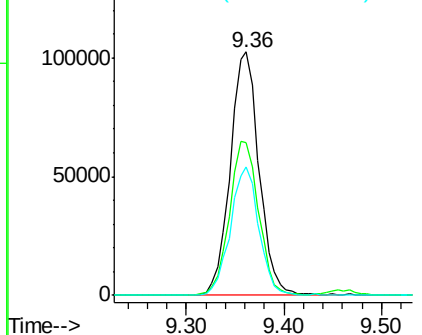
Tot Ion	Ratio	Lower	Upper
83	100		
55	62.7	50.5	75.7
98	52.7	43.4	65.0

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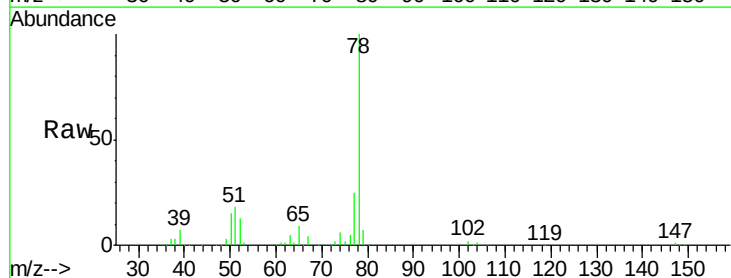


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

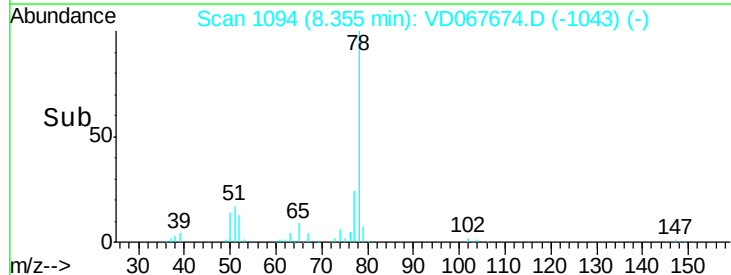
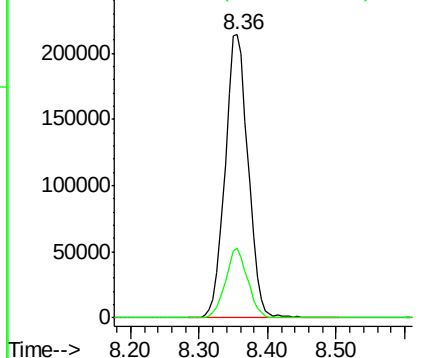


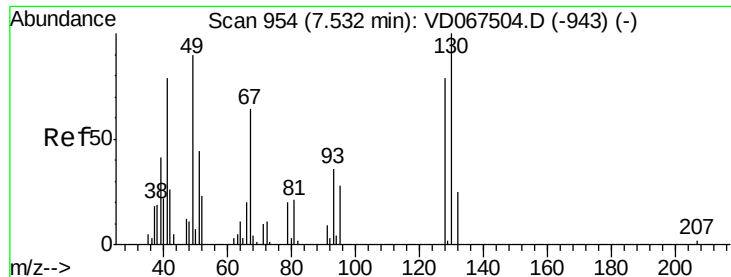
#40
Benzene
Concen: 53.540 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	19.1	28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 50.095 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 26812

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

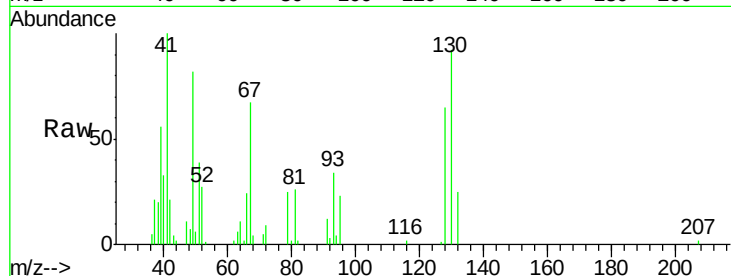
67 94.4 78.9 118.3

52 39.9 31.4 47.2

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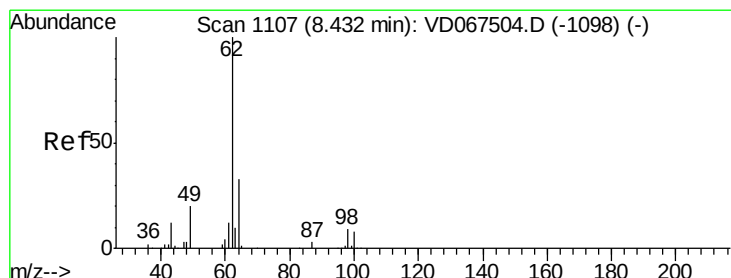
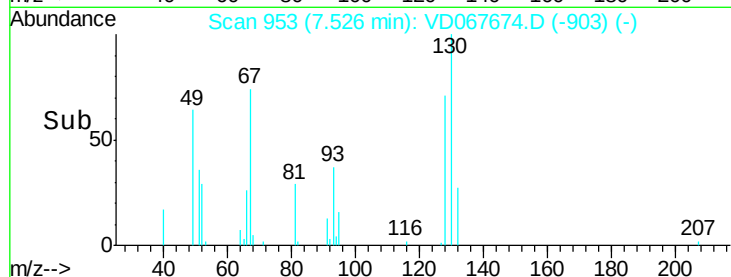
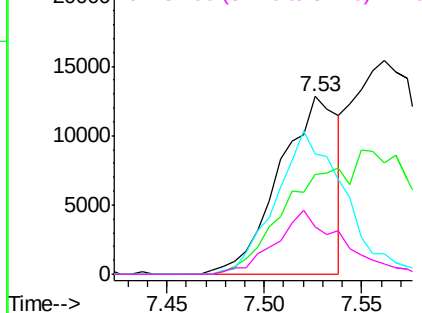


Abundance Ion 41.00 (40.70 to 41.70): VDC

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: 54.069 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067674.D

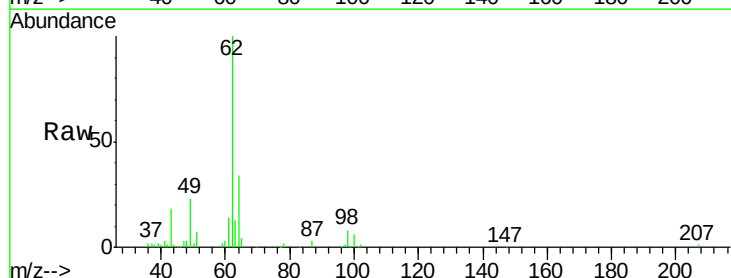
Acq: 18 Nov 2020 09:42

Tgt Ion: 62 Resp: 156067

Ion Ratio Lower Upper

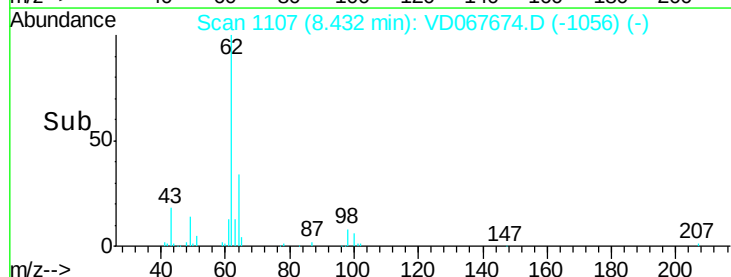
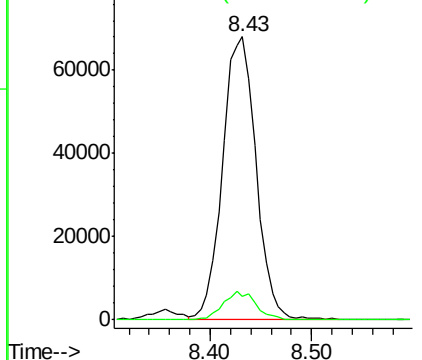
62 100

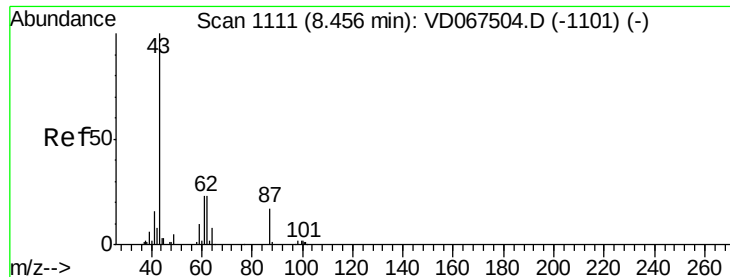
98 9.7 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.197 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

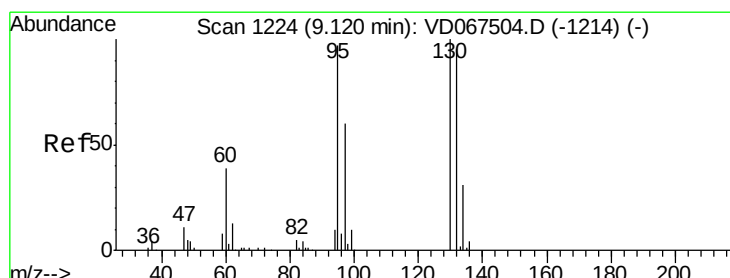
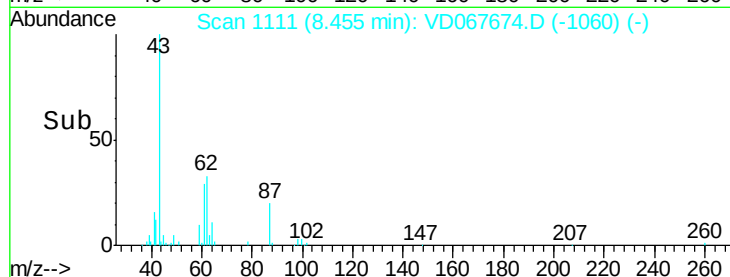
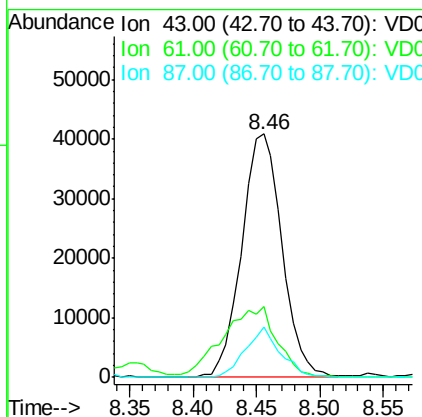
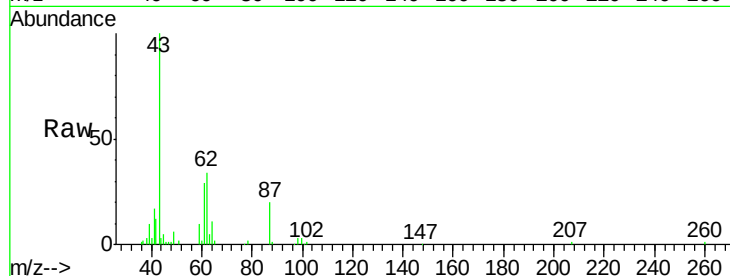
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	90661
Ion	Ratio	Lower	Upper
43	100		
61	39.4	30.5	45.7
87	17.9	14.7	22.1

Manual Integrations
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#44

Trichloroethene

Concen: 51.083 ug/l

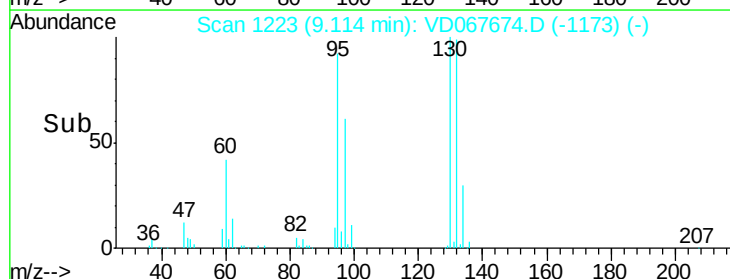
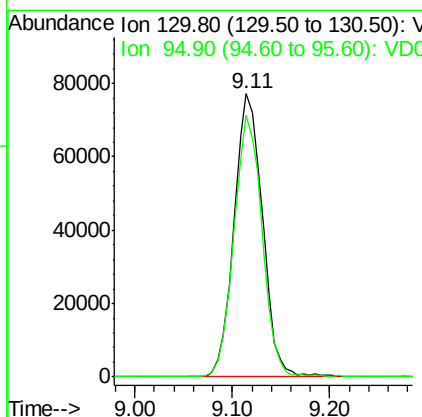
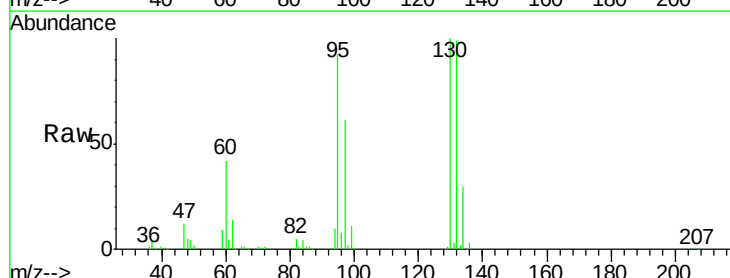
RT: 9.11 min Scan# 1223

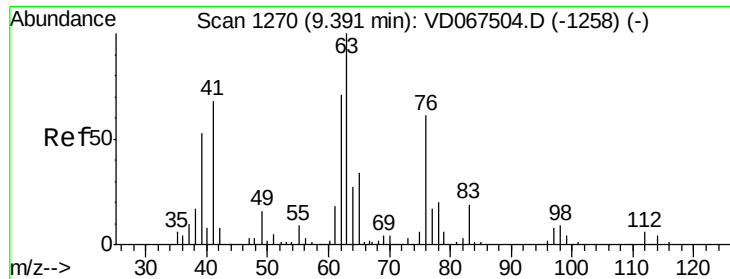
Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion:	130	Resp:	156917
Ion	Ratio	Lower	Upper
130	100		
95	92.5	0.0	194.4





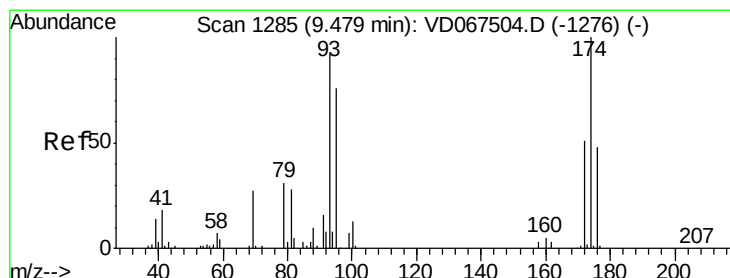
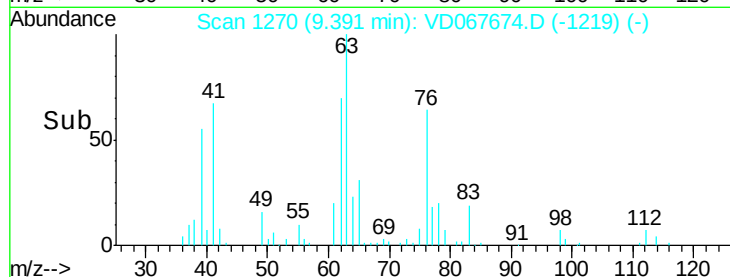
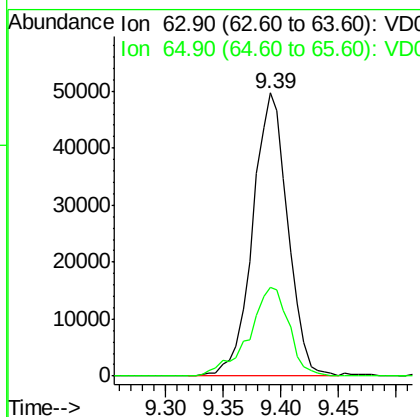
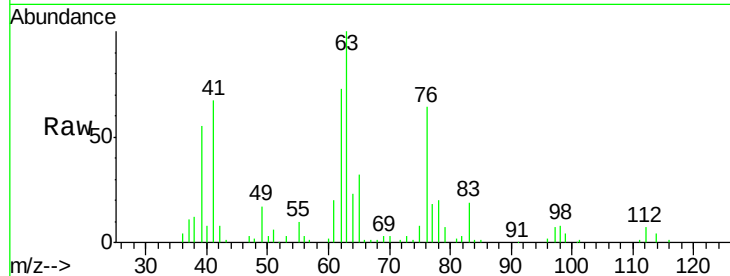
#45
 1,2-Dichloropropane
 Concen: 52.014 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 63 Resp: 105062
 Ion Ratio Lower Upper
 63 100
 65 31.6 26.9 40.3

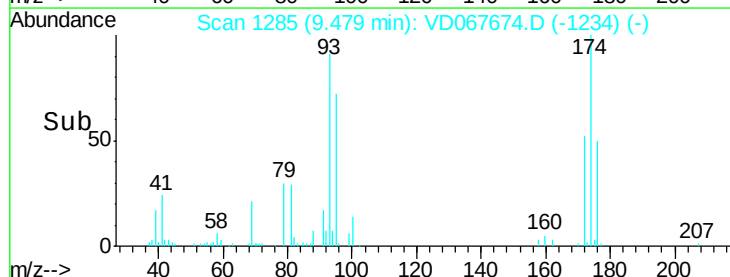
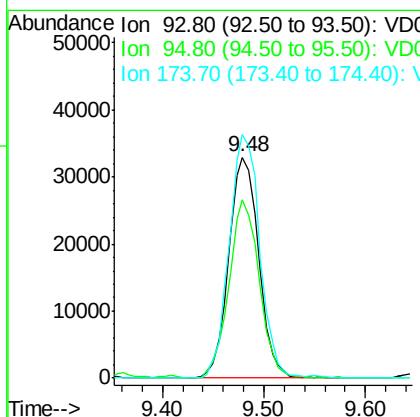
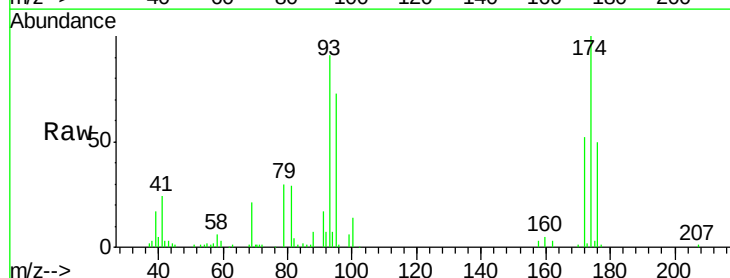
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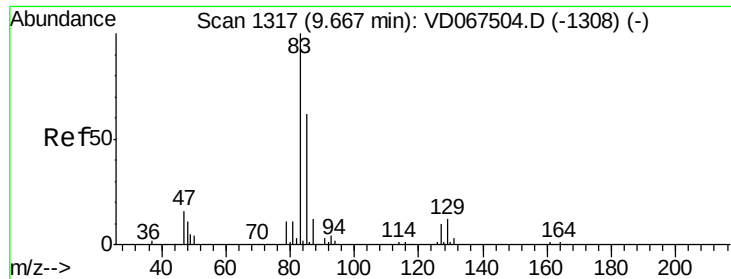
MMDadoda
 11/19/2020 11:07:01 AM



#46
 Dibromomethane
 Concen: 52.692 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion: 93 Resp: 67672
 Ion Ratio Lower Upper
 93 100
 95 81.6 66.4 99.6
 174 112.0 88.2 132.4





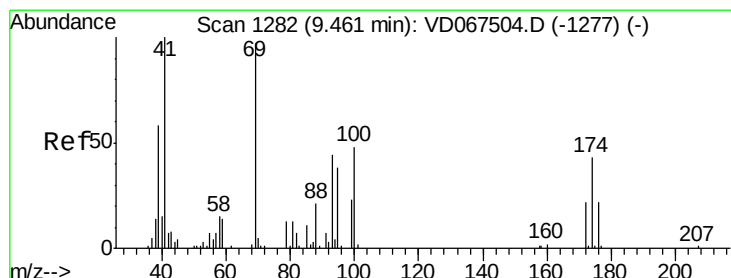
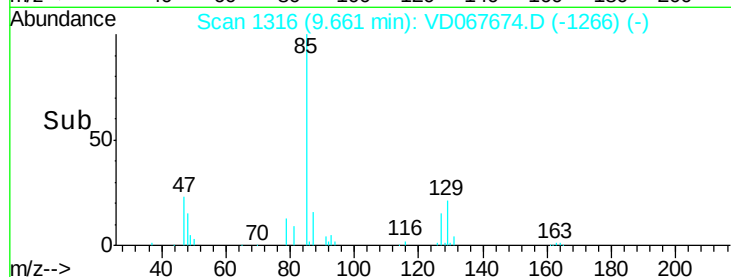
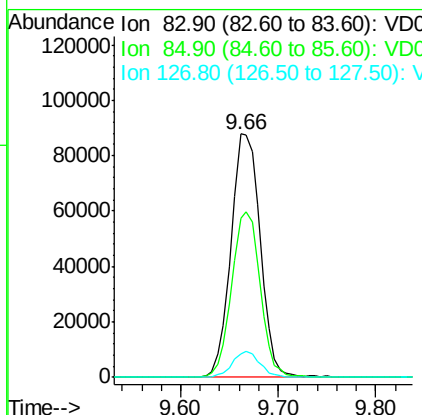
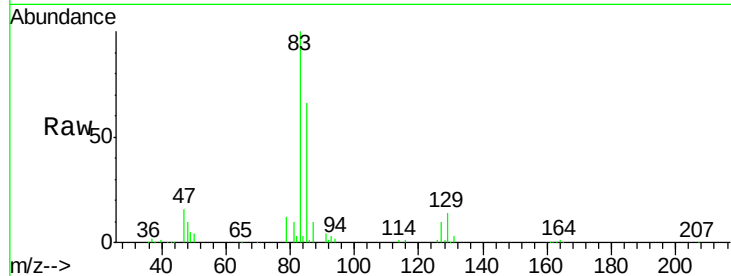
#47
Bromodichloromethane
Concen: 52.623 ug/l
RT: 9.66 min Scan# 1316
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	183690
Ion Ratio	100		
85	65.5	49.4	74.2
127	9.8	7.7	11.5

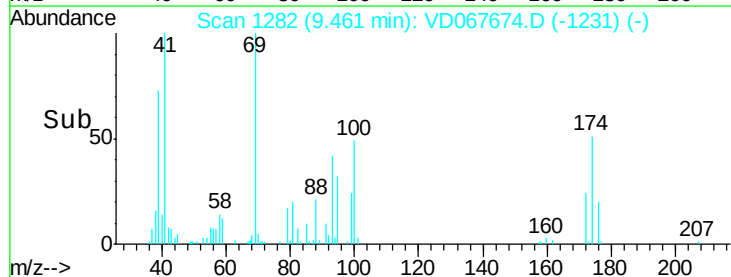
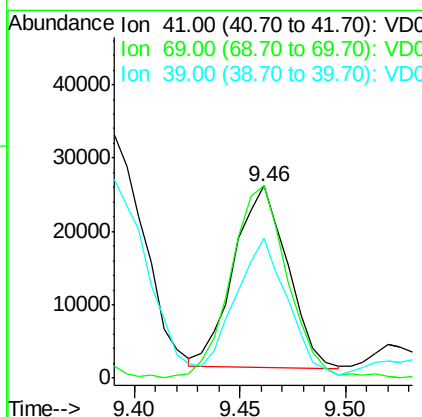
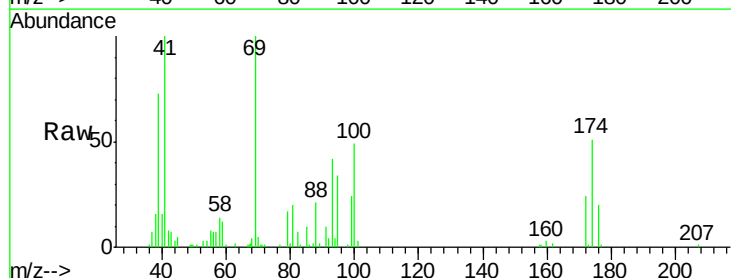
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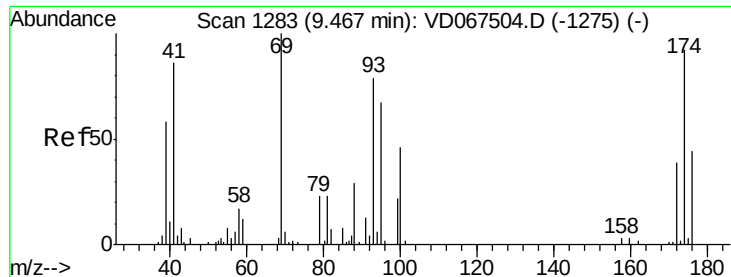
MMDadoda
11/19/2020 11:07:01 AM



#48
Methyl methacrylate
Concen: 47.657 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	41	Resp	43574
Ion Ratio	100		
69	112.1	80.6	121.0
39	71.9	50.2	75.4





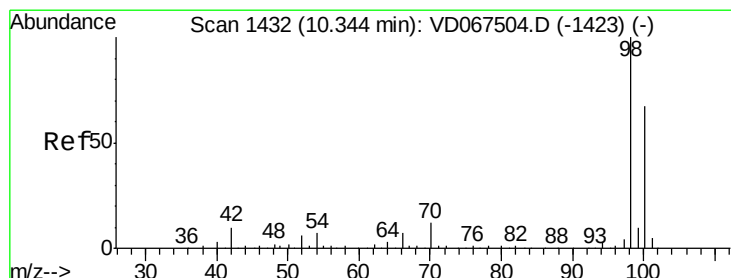
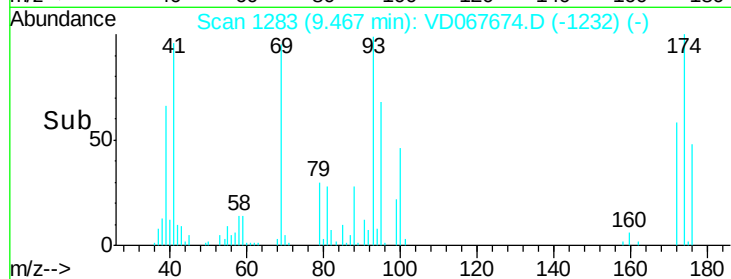
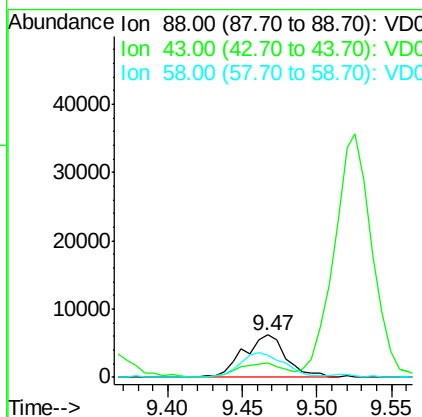
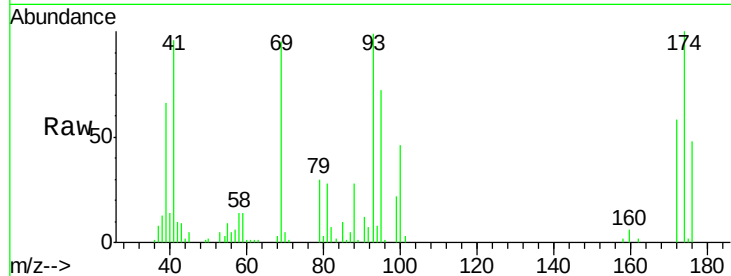
#49
1,4-Dioxane
Concen: 942.034 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	35.5	23.6	35.4#
58	59.8	44.7	67.1

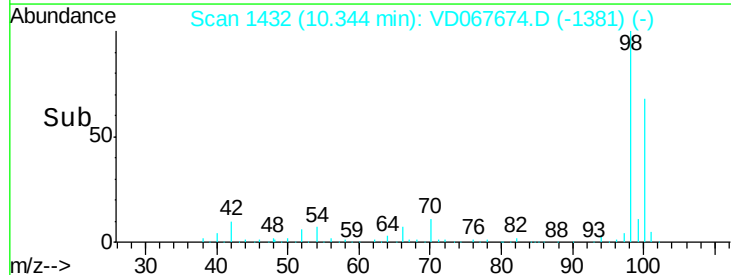
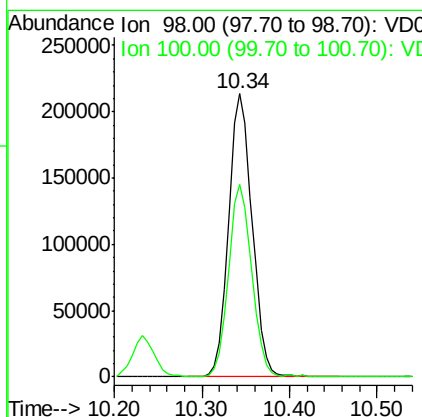
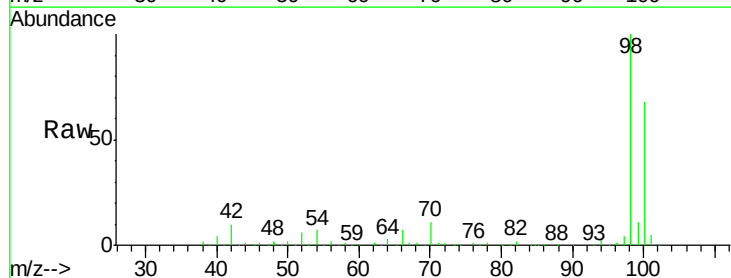
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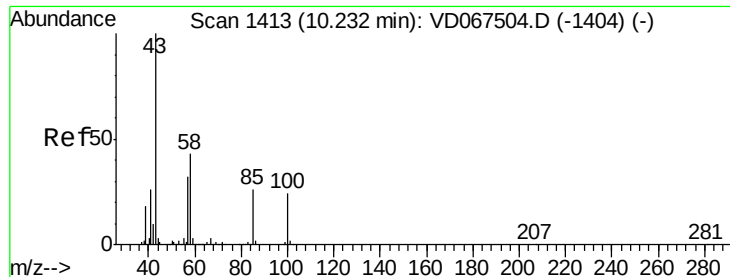
MMDadoda
11/19/2020 11:07:01 AM



#50
Toluene-d8
Concen: 45.832 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.4	53.0	79.6





#51

4-Methyl-2-Pentanone

Concen: 263.650 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 223287

Ion Ratio Lower Upper

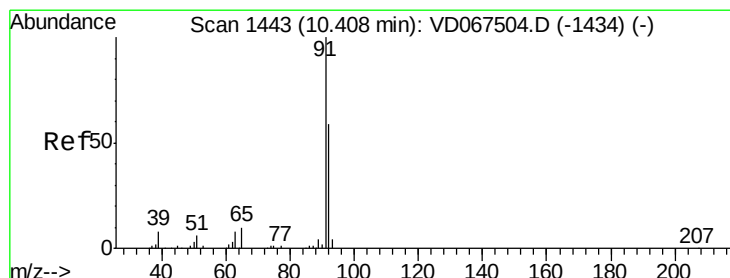
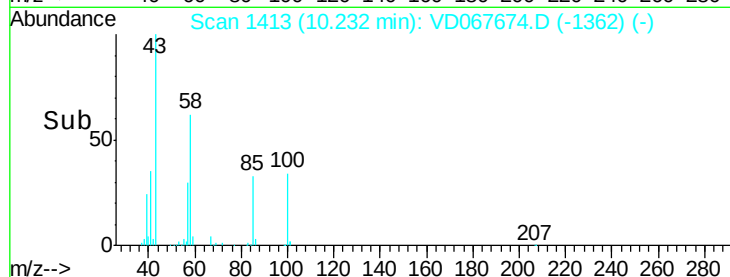
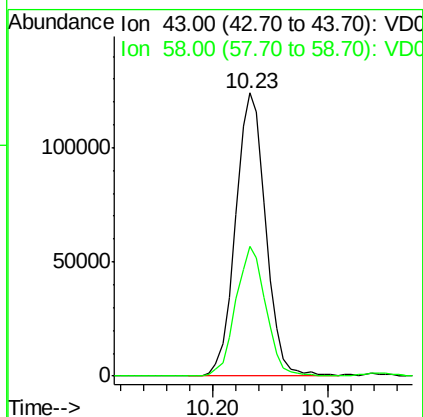
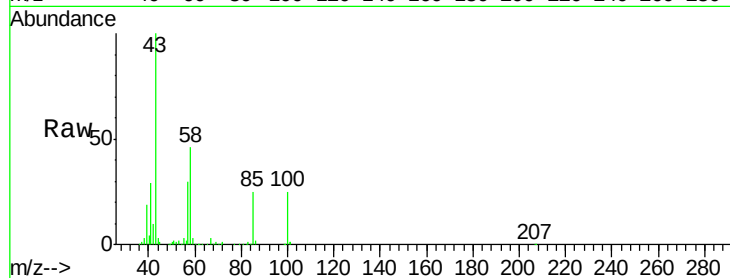
43 100

58 45.9 35.6 53.4

Manual Integrations
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#52

Toluene

Concen: 54.545 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067674.D

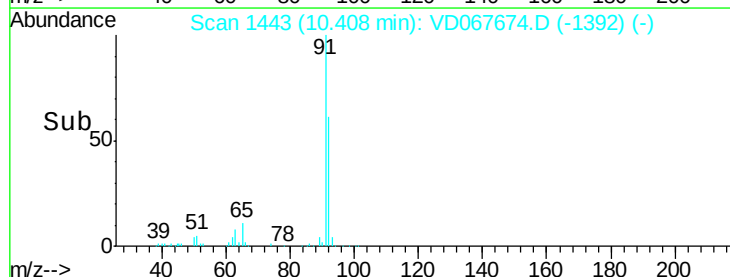
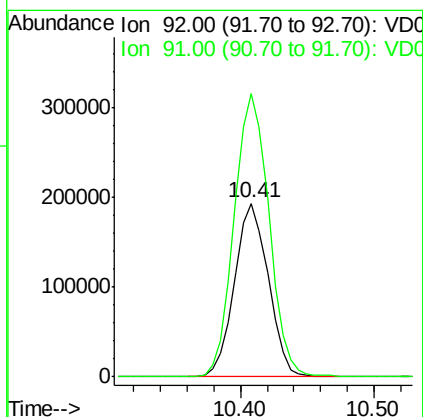
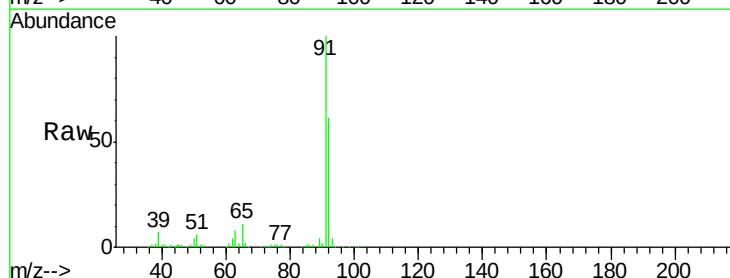
Acq: 18 Nov 2020 09:42

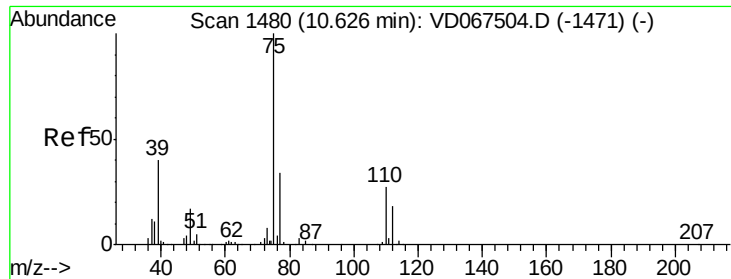
Tgt Ion: 92 Resp: 341315

Ion Ratio Lower Upper

92 100

91 167.8 137.0 205.6





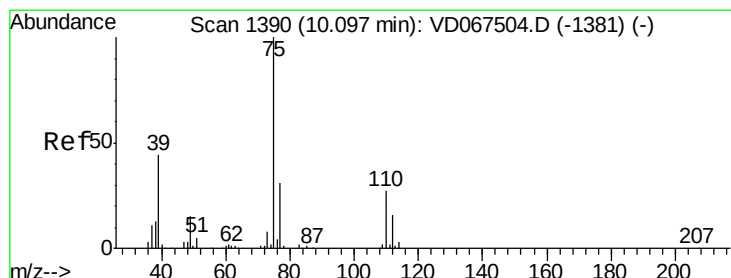
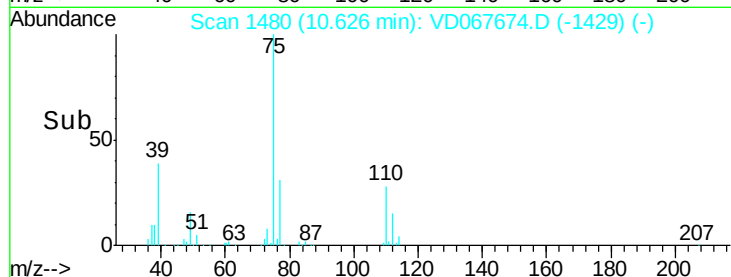
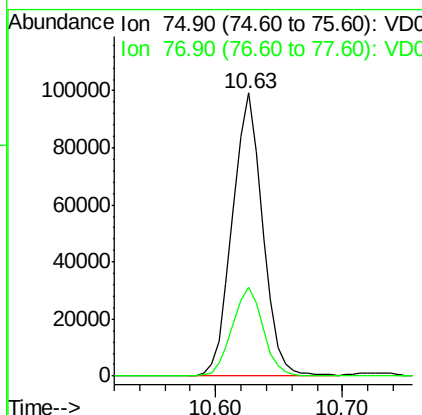
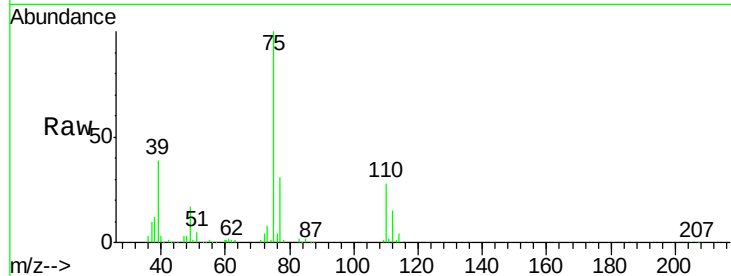
#53
t-1,3-Dichloropropene
Concen: 54.922 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	27.0	40.6

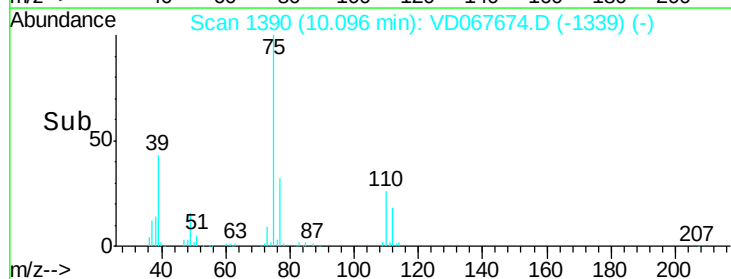
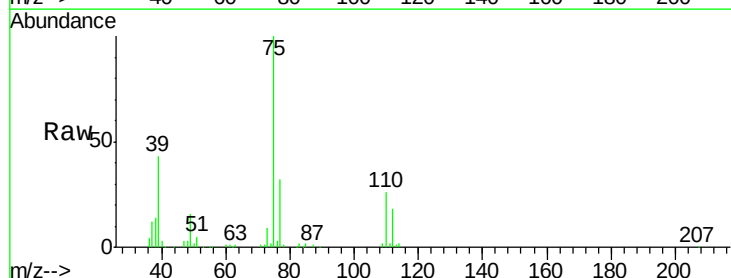
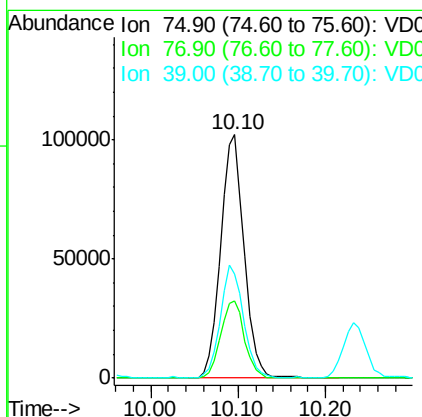
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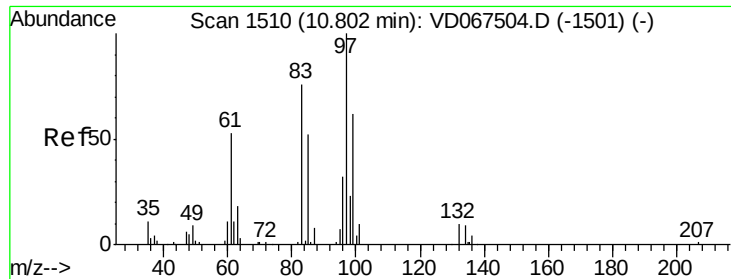
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#54
cis-1,3-Dichloropropene
Concen: 53.065 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.4	36.6
39	42.6	35.6	53.4





#55

1,1,2-Trichloroethane

Concen: 53.949 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

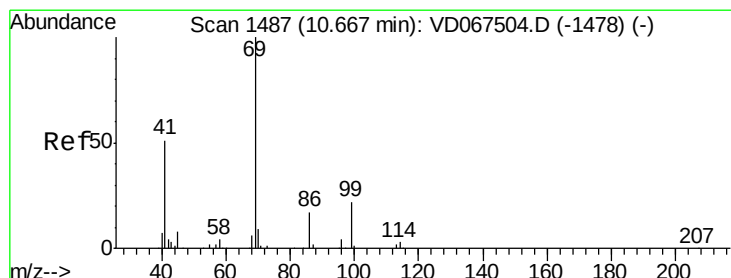
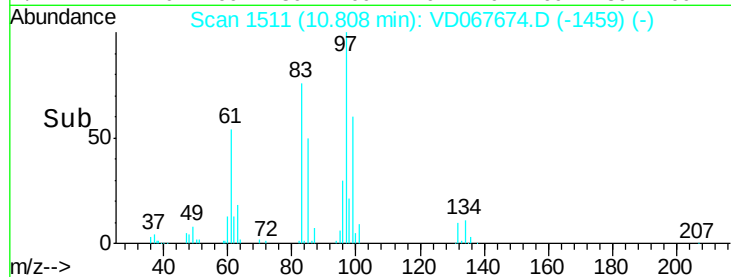
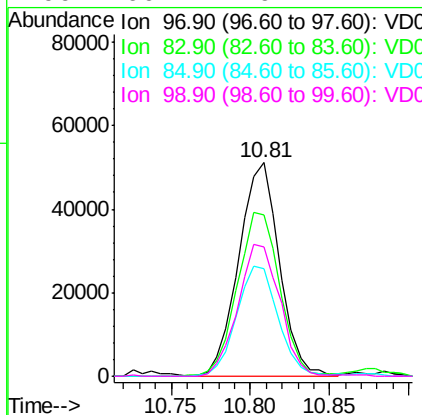
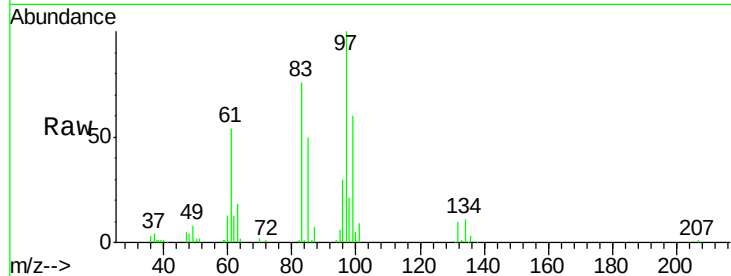
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	91674
Ion	Ratio	Lower	Upper
97	100		
83	75.2	61.0	91.6
85	50.3	41.5	62.3
99	60.4	49.4	74.2

Manual Integrations
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#56

Ethyl methacrylate

Concen: 53.432 ug/l

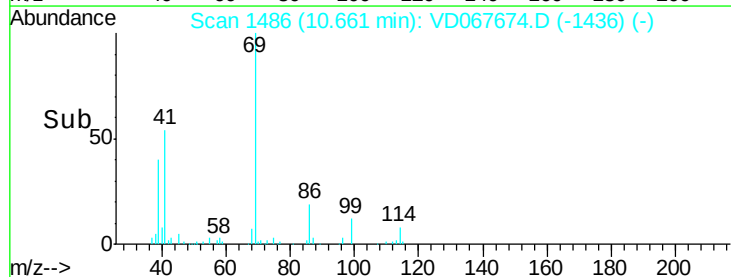
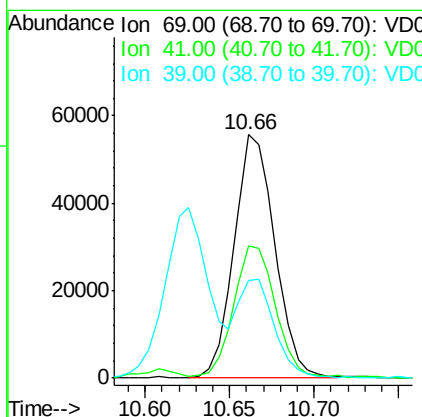
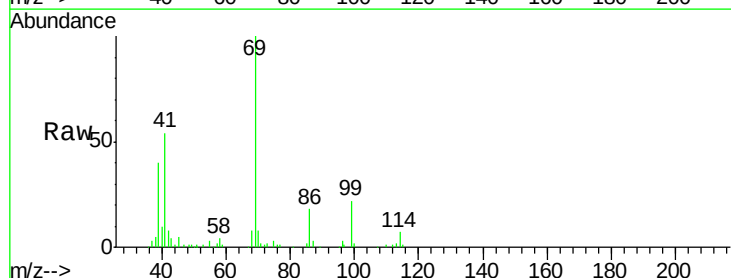
RT: 10.66 min Scan# 1486

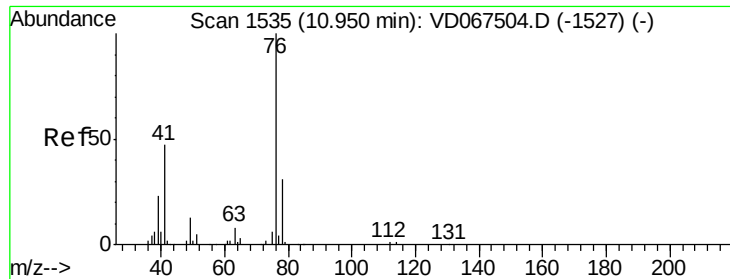
Delta R.T. -0.01 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion:	69	Resp:	93762
Ion	Ratio	Lower	Upper
69	100		
41	55.5	45.4	68.0
39	35.6	27.4	41.0





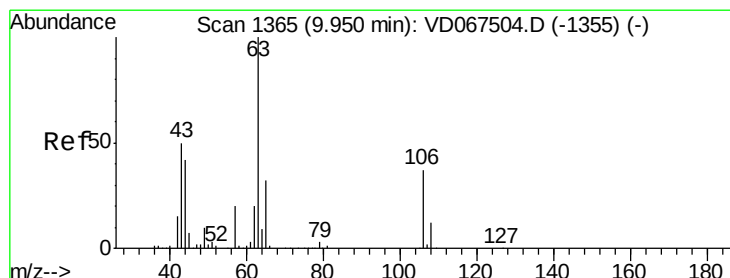
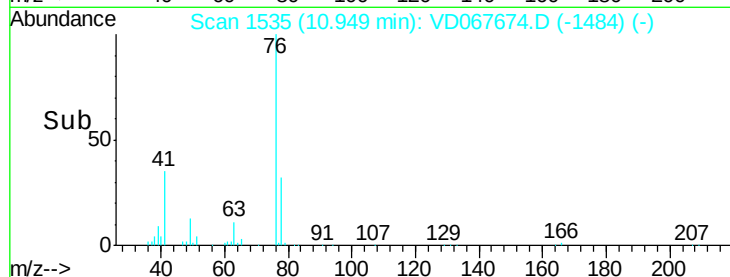
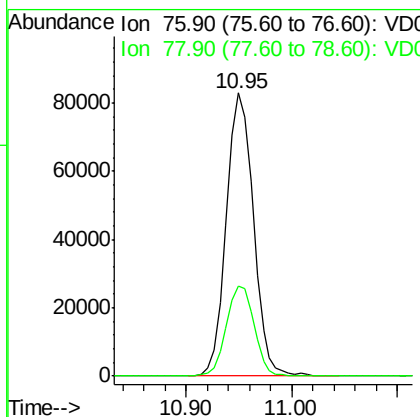
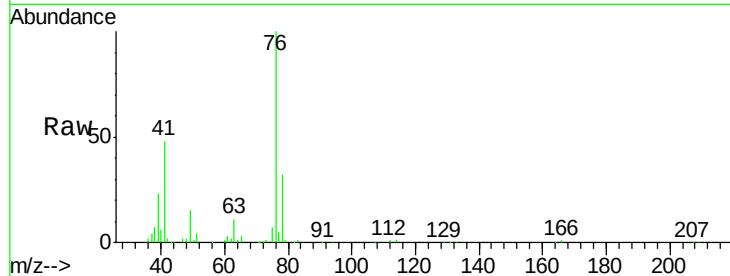
#57
 1,3-Dichloropropane
 Concen: 53.918 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 147436
 Ion Ratio Lower Upper
 76 100
 78 32.6 26.1 39.1

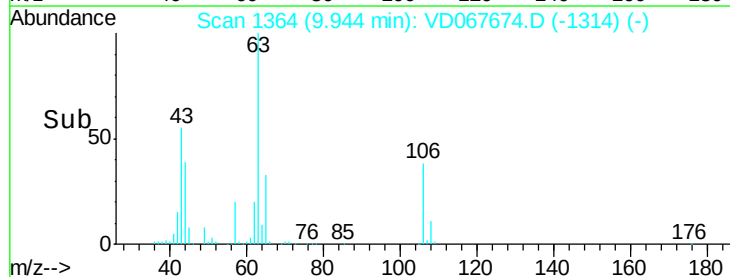
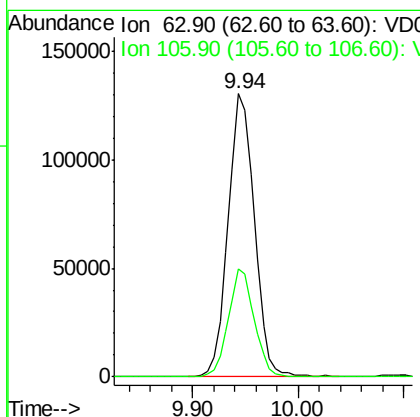
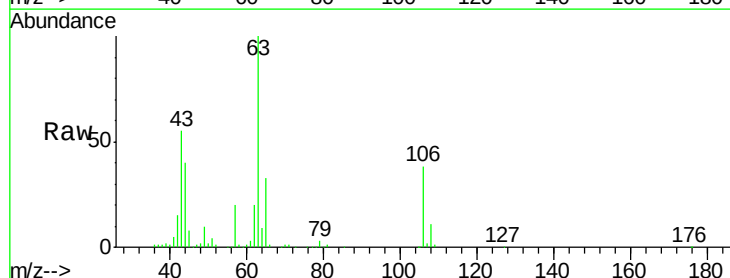
Manual Integrations
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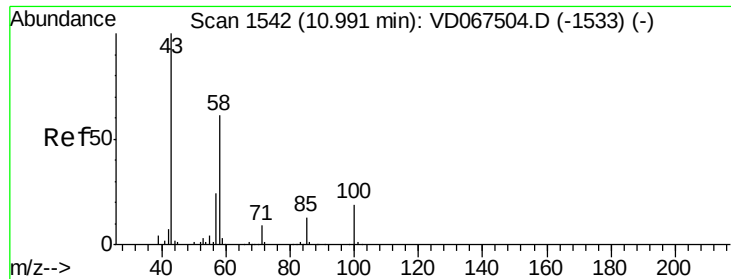
MMDadoda
 11/19/2020 11:07:01 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 273.944 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. -0.01 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion: 63 Resp: 224171
 Ion Ratio Lower Upper
 63 100
 106 37.4 29.2 43.8





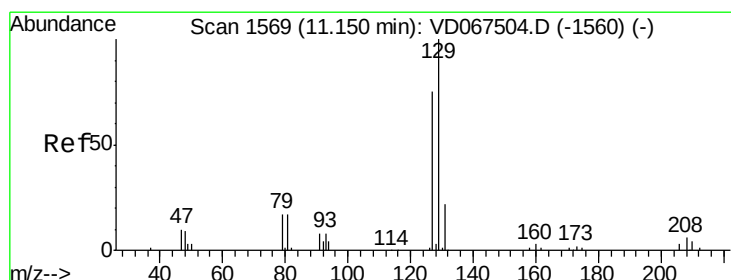
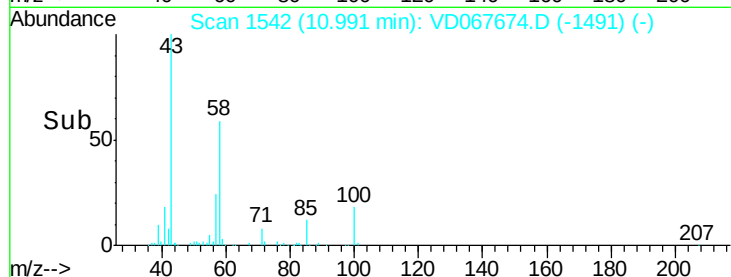
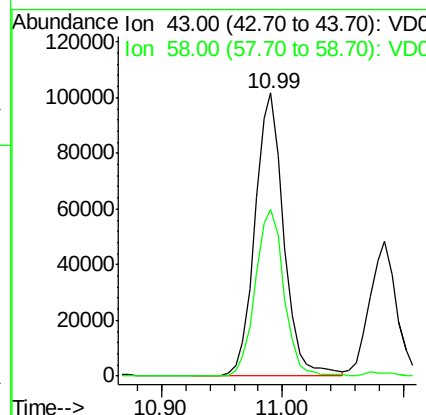
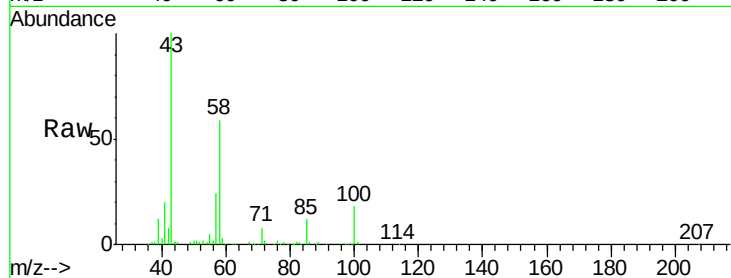
#59
2-Hexanone
Concen: 284.409 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 168415
Ion Ratio Lower Upper
43 100
58 59.0 30.3 90.9

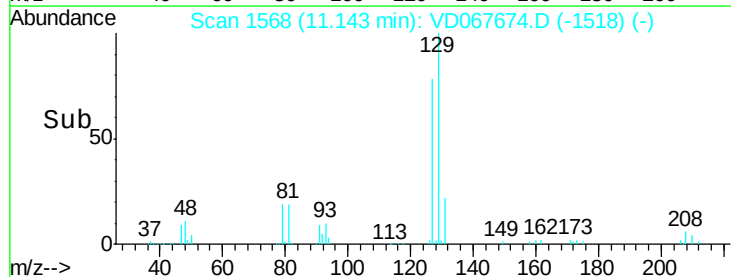
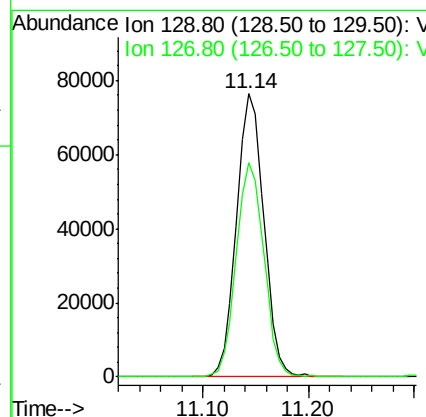
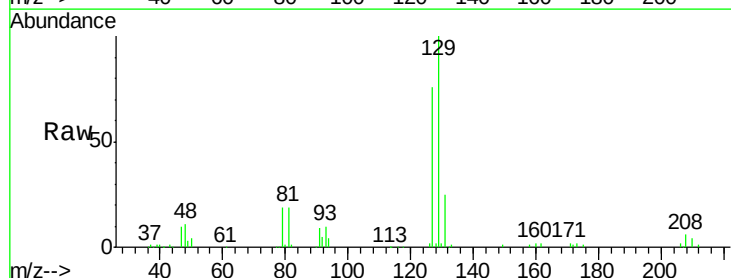
Manual Integrations
APPROVED

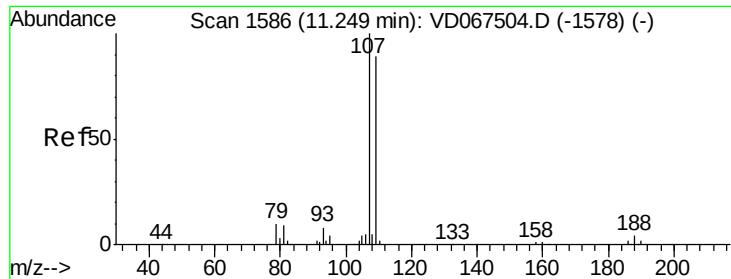
MMDadoda
11/19/2020 11:07:01 AM



#60
Dibromochloromethane
Concen: 54.560 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion: 129 Resp: 137147
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1





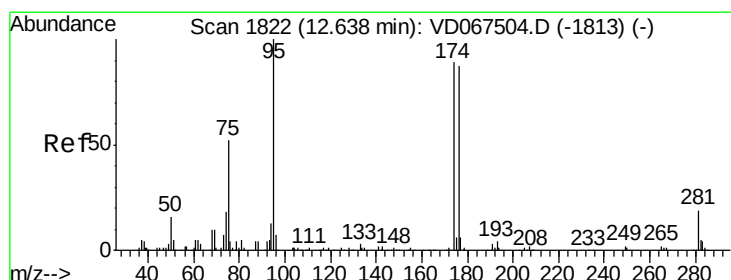
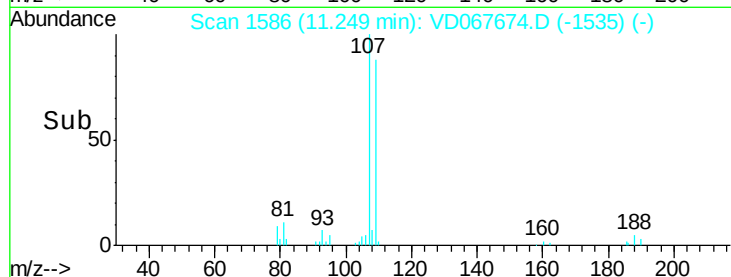
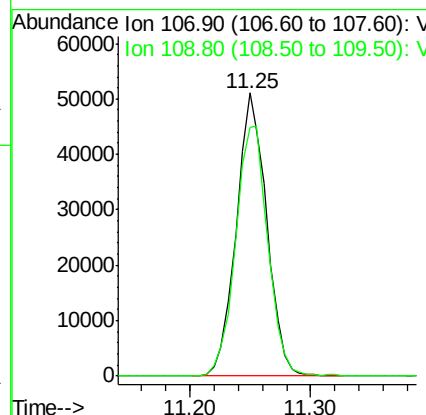
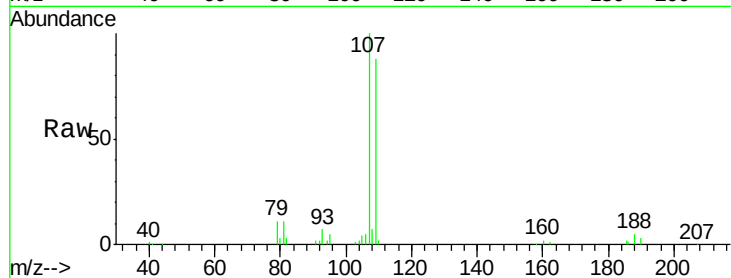
#61
 1,2-Dibromoethane
 Concen: 52.466 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 89478
 Ion Ratio Lower Upper
 107 100
 109 93.7 74.6 111.8

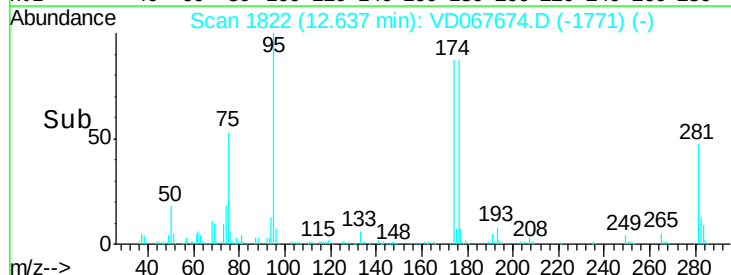
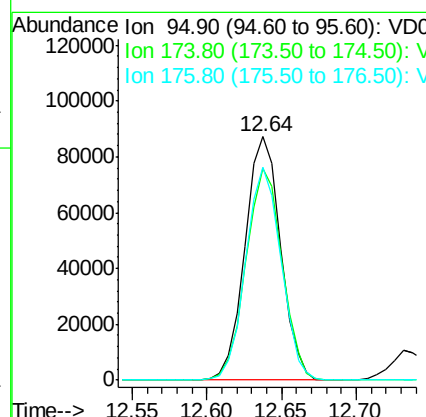
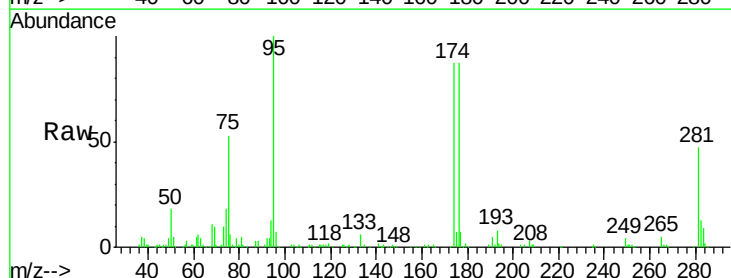
Manual Integrations
 APPROVED

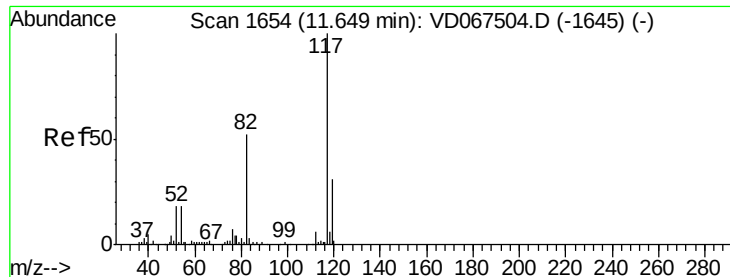
MMDadoda
 11/19/2020 11:07:01 AM



#62
 4-Bromofluorobenzene
 Concen: 48.751 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion: 95 Resp: 143588
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 177.8
 176 86.9 0.0 172.0





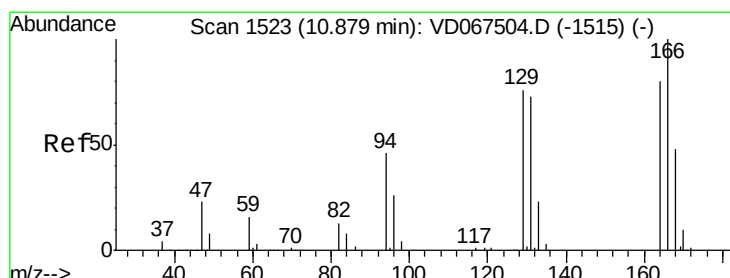
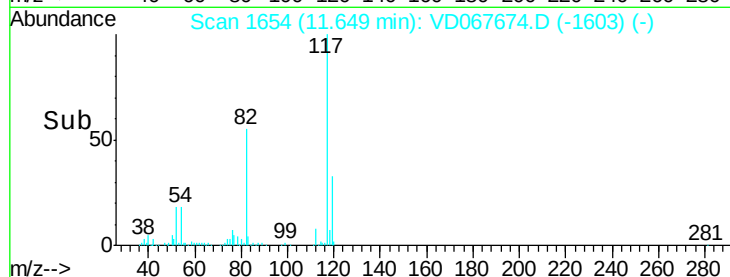
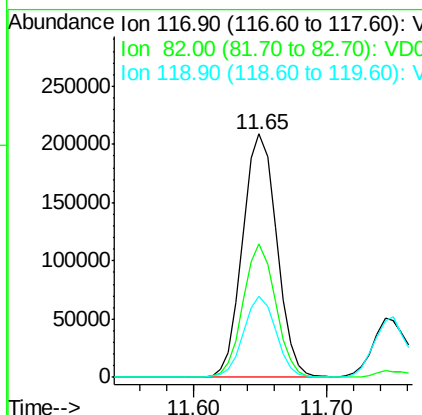
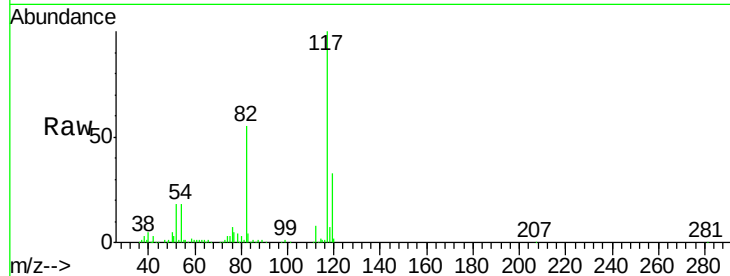
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.6	41.6	62.4
119	33.5	25.1	37.7

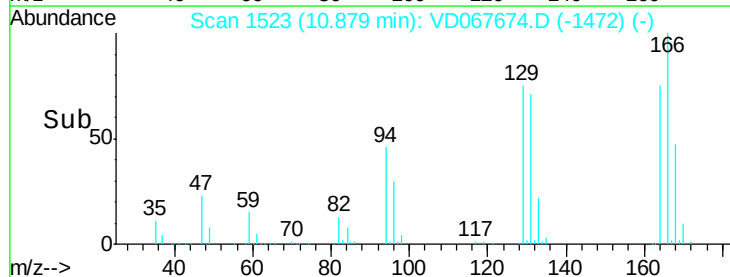
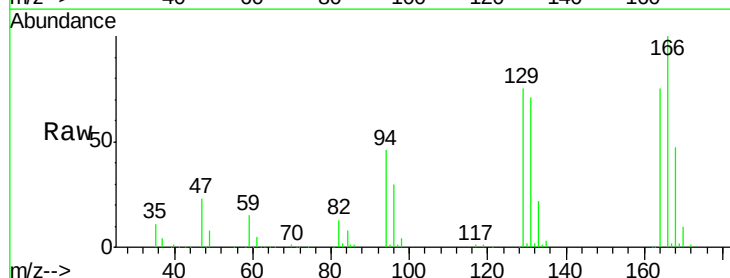
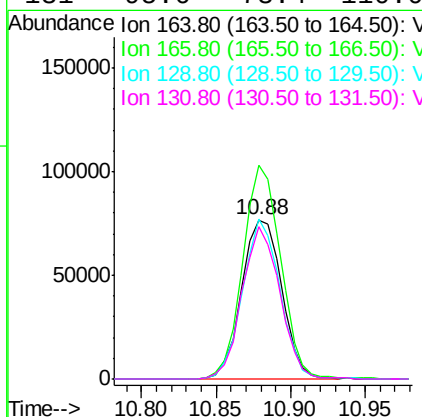
Manual Integrations
APPROVED

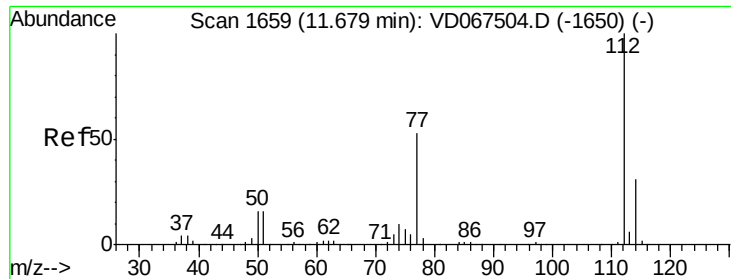
MMDadoda
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#64
Tetrachloroethene
Concen: 52.068 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
164	100		
166	134.1	99.9	149.9
129	100.5	75.5	113.3
131	95.6	73.4	110.0





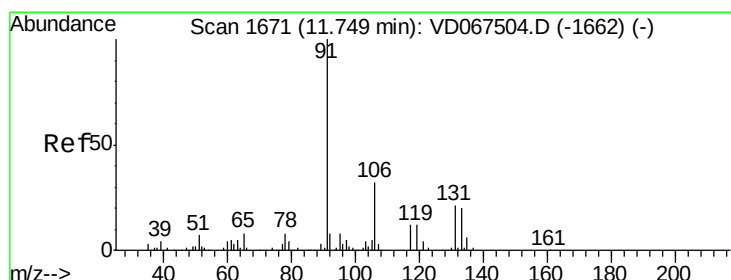
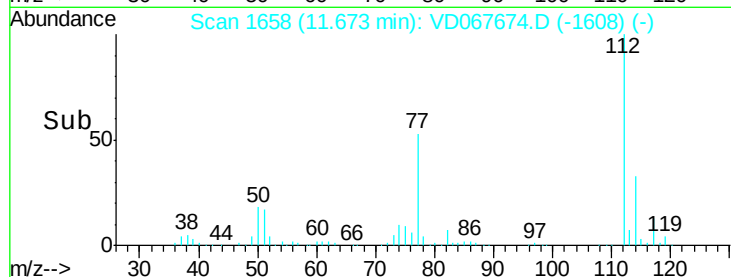
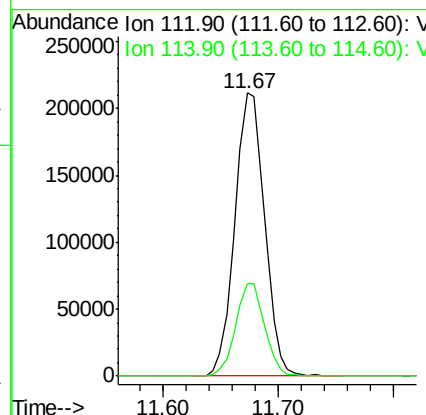
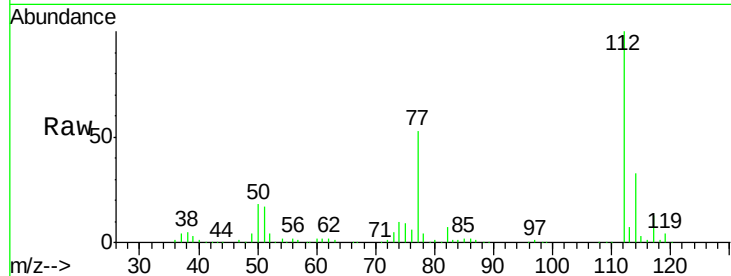
#65
Chlorobenzene
Concen: 53.081 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 377734
Ion Ratio Lower Upper
112 100
114 32.6 24.9 37.3

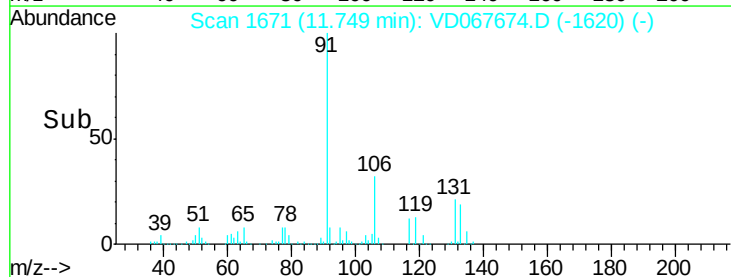
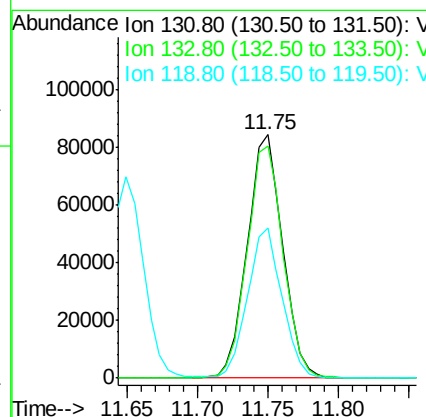
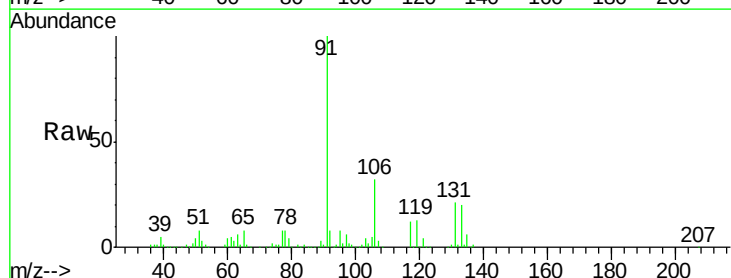
Manual Integrations
APPROVED

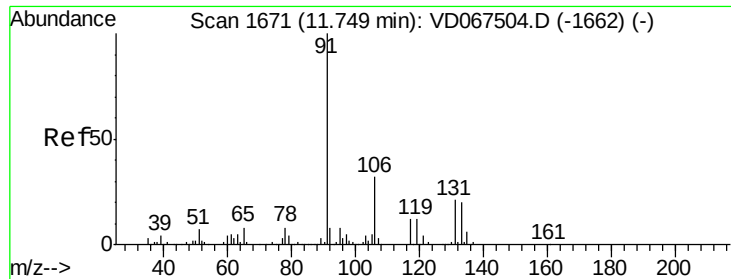
MMDadoda
11/19/2020 11:07:01 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 53.037 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion:131 Resp: 148755
Ion Ratio Lower Upper
131 100
133 97.3 48.0 144.0
119 60.0 30.1 90.5





#67

Ethyl Benzene

Concen: 54.034 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 657991

Ion Ratio Lower Upper

91 100

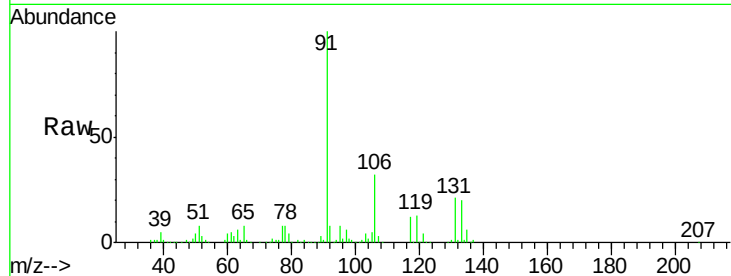
106 31.6 25.7 38.5

Manual Integrations

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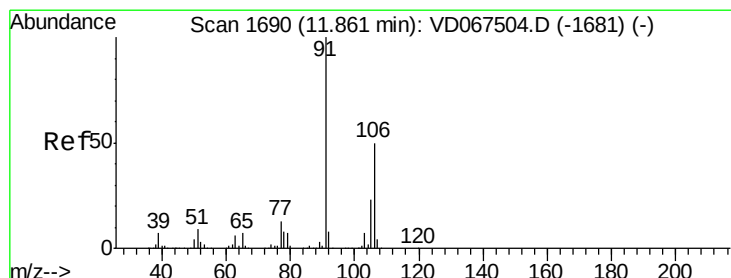
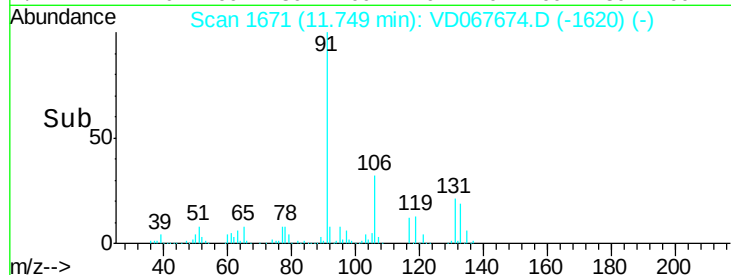
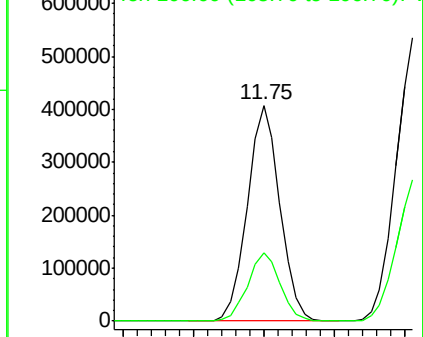
MMDadoda

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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 108.161 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067674.D

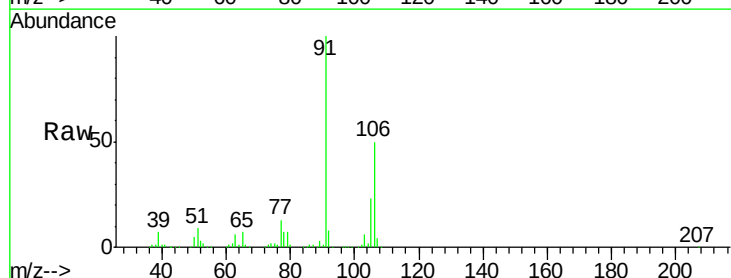
Acq: 18 Nov 2020 09:42

Tgt Ion: 106 Resp: 512411

Ion Ratio Lower Upper

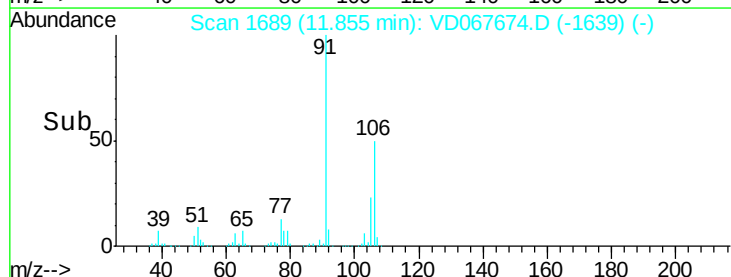
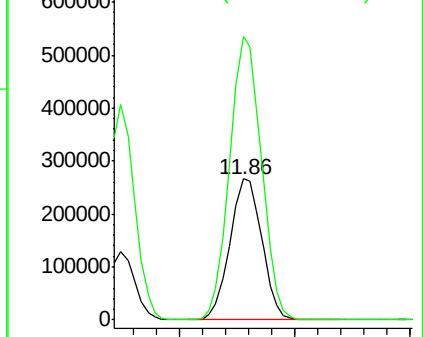
106 100

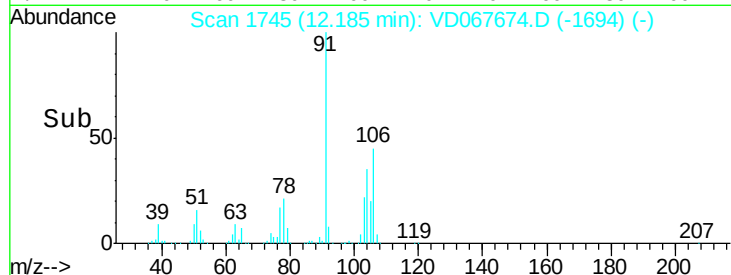
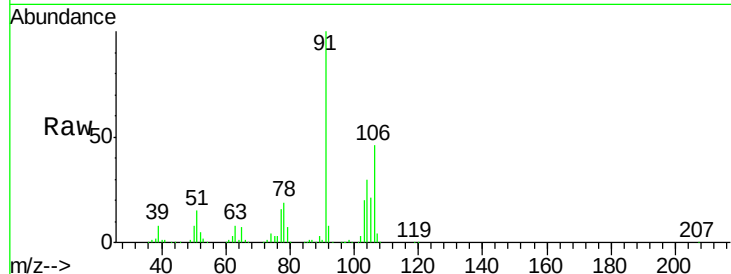
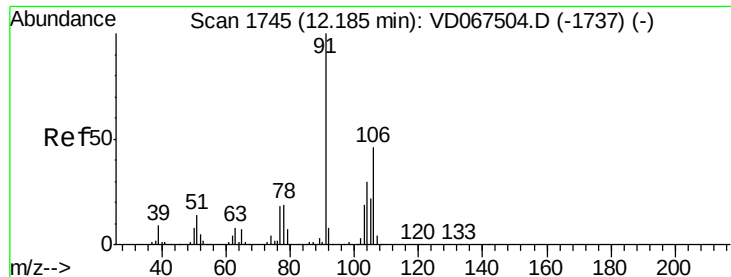
91 199.8 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





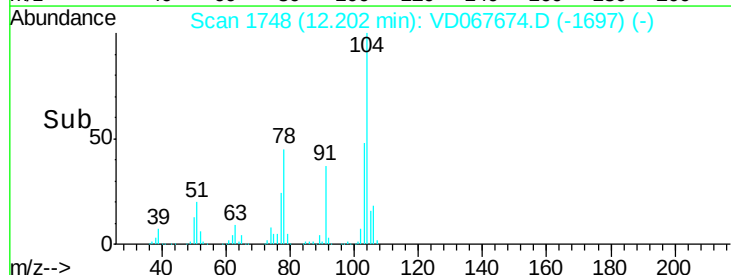
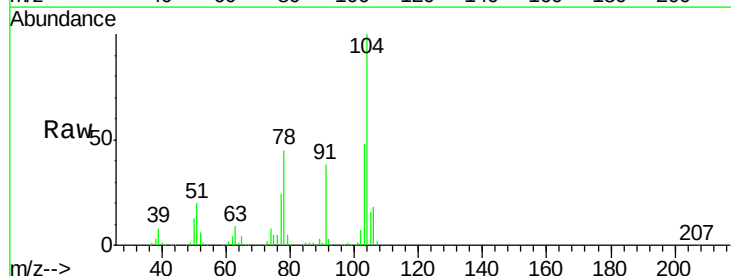
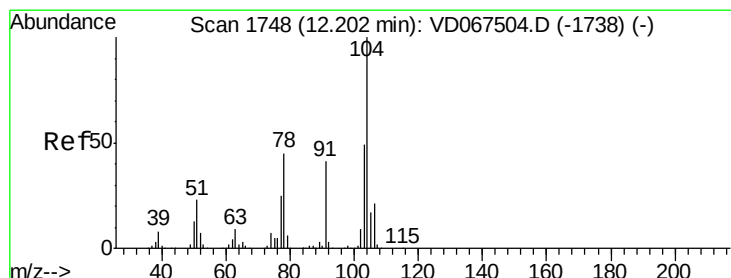
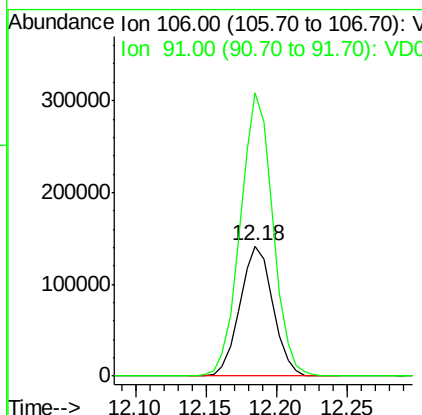
#69
o-Xylene
Concen: 54.856 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tot Ion:106 Resp: 232026
Ion Ratio Lower Upper
106 100
91 213.5 107.1 321.1

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

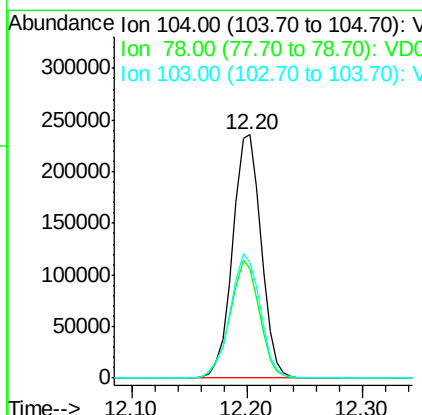
Manual Integrations
APPROVED

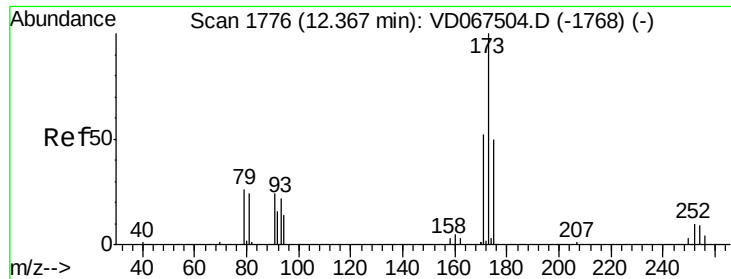
MMDadoda
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#70
Styrene
Concen: 54.733 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion:104 Resp: 403404
Ion Ratio Lower Upper
104 100
78 50.0 39.8 59.8
103 53.8 43.9 65.9





#71

Bromoform

Concen: 54.539 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 78014

Ion Ratio Lower Upper

173 100

175 47.4 24.1 72.2

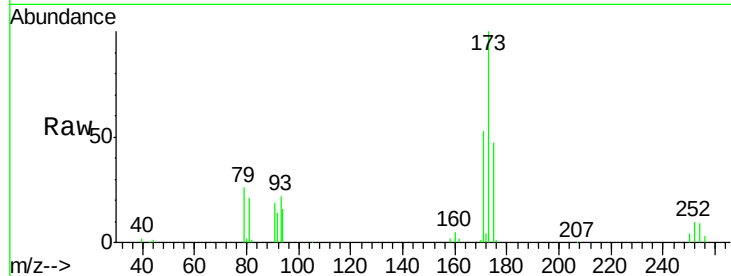
254 0.0 0.0 0.0

Manual Integrations

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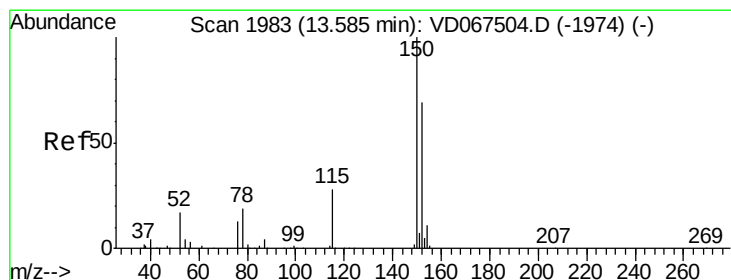
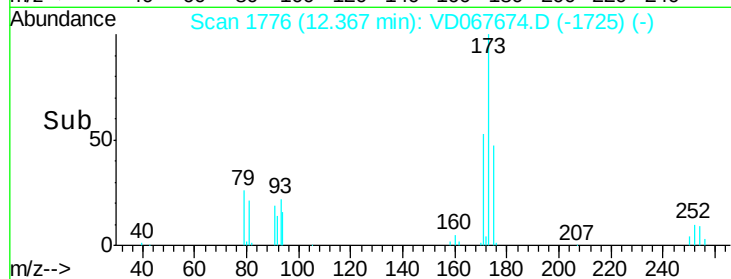
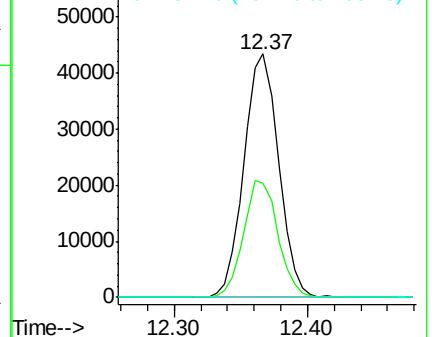
11/19/2020 11:07:01 AM



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: VD067674.D

Acq: 18 Nov 2020 09:42

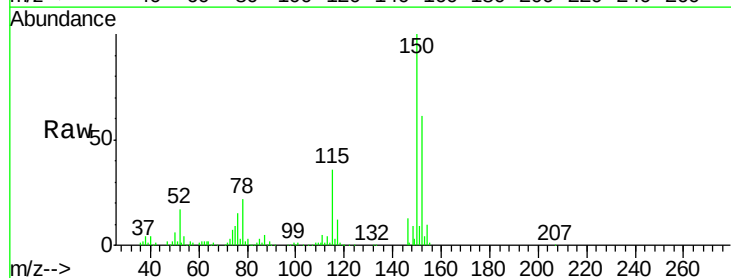
Tgt Ion:152 Resp: 188818

Ion Ratio Lower Upper

152 100

115 59.7 29.3 88.0

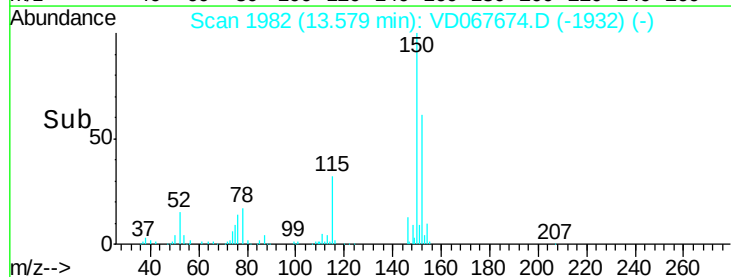
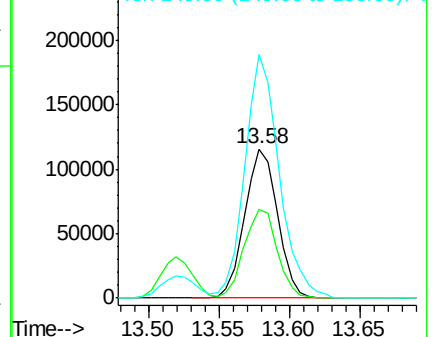
150 170.2 0.0 338.2

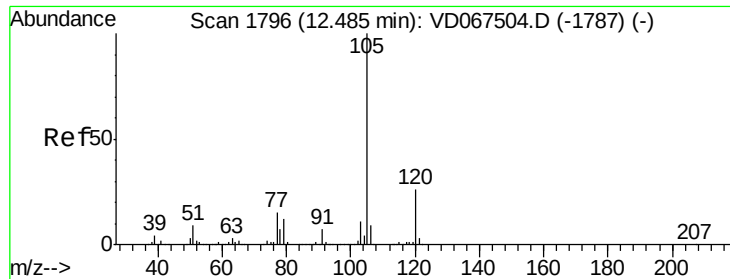


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





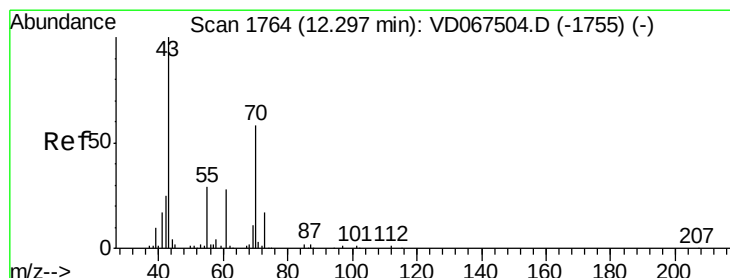
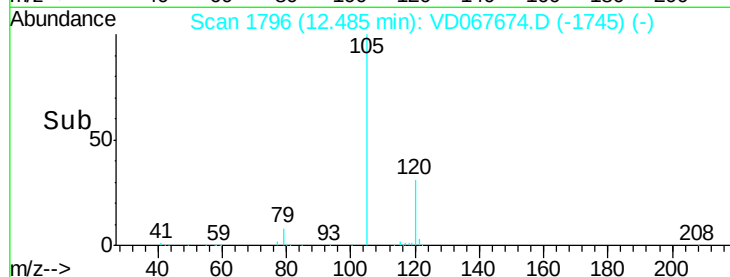
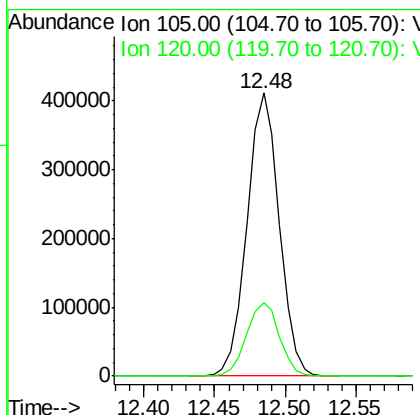
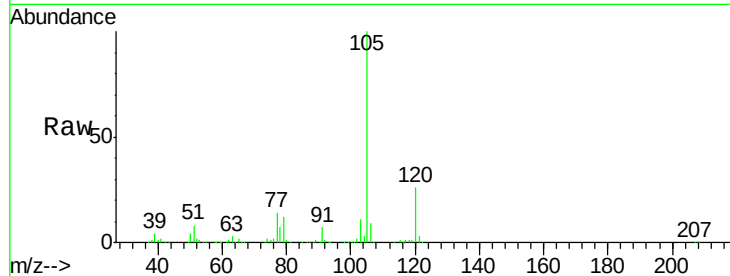
#73
Isopropylbenzene
Concen: 53.967 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.5	13.2	39.6

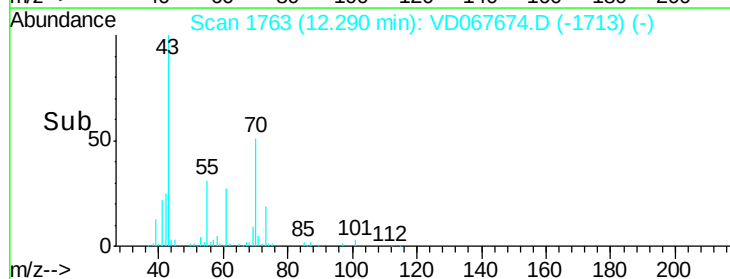
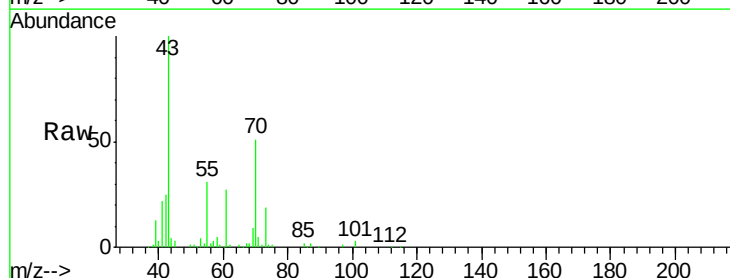
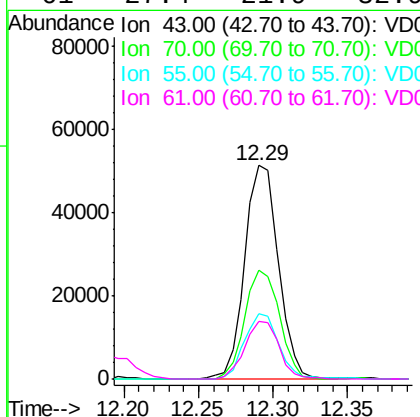
Manual Integrations
APPROVED

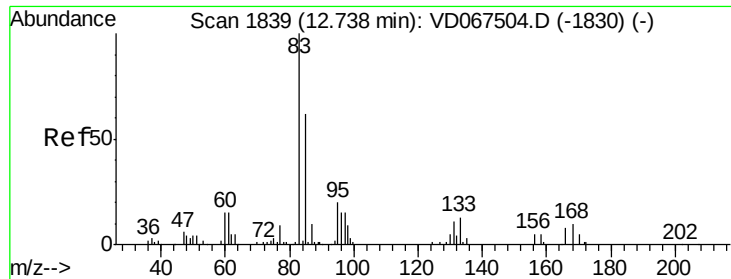
MMDadoda
11/19/2020 11:07:01 AM



#74
N-ethyl acetate
Concen: 49.751 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.4	42.6	64.0
55	31.0	23.7	35.5
61	27.4	21.9	32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 51.070 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

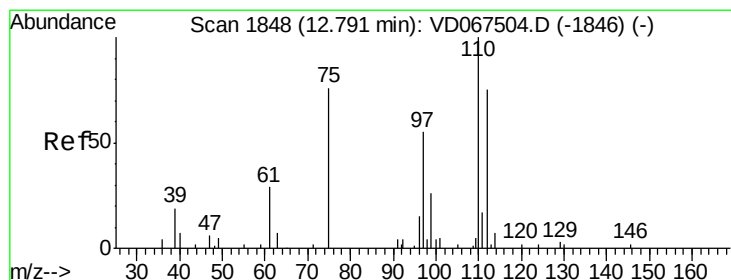
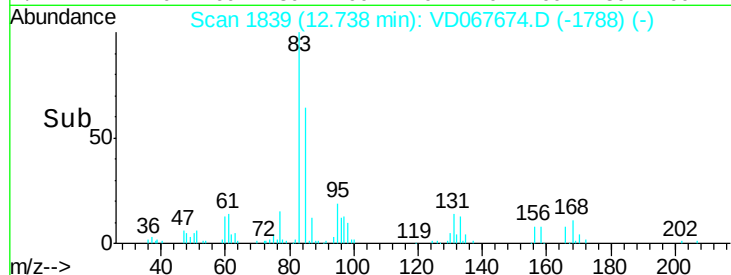
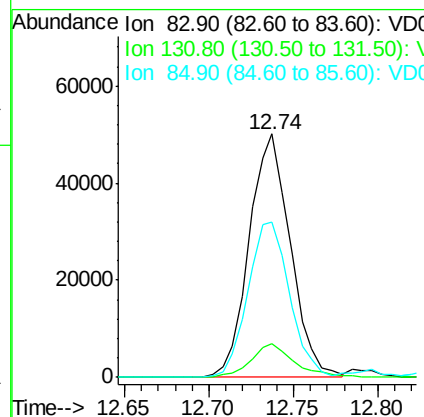
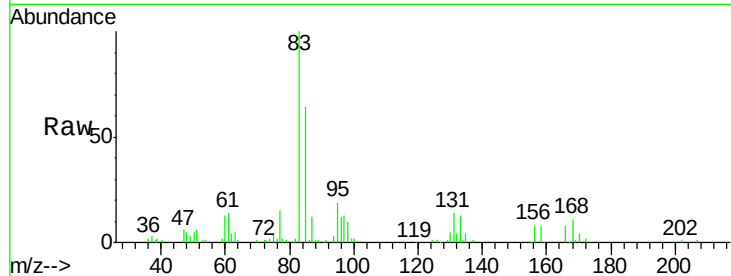
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	84981
Ion Ratio	Lower	Upper	
83	100		
131	14.5	7.1	21.3
85	64.6	32.9	98.7

Manual Integrations
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11/19/2020 11:07:01 AM



#76

1,2,3-Trichloropropane

Concen: 46.743 ug/l m

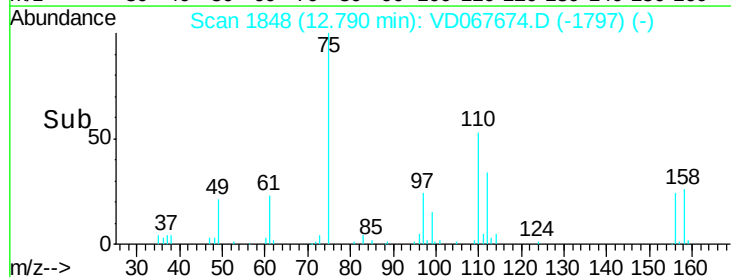
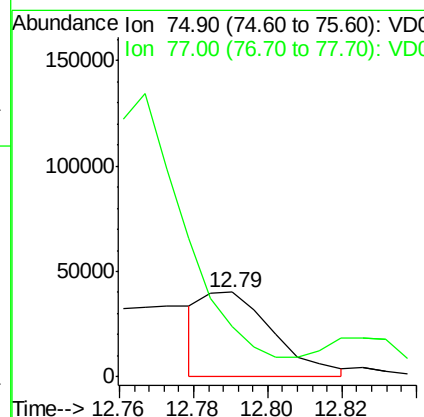
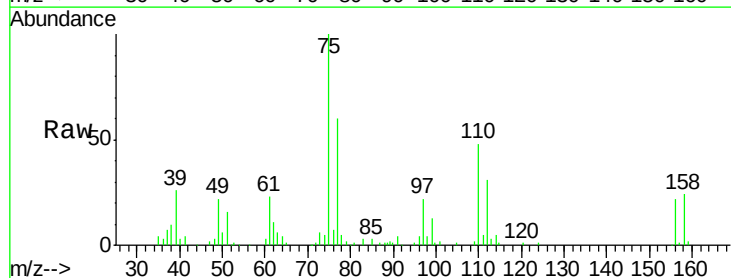
RT: 12.79 min Scan# 1848

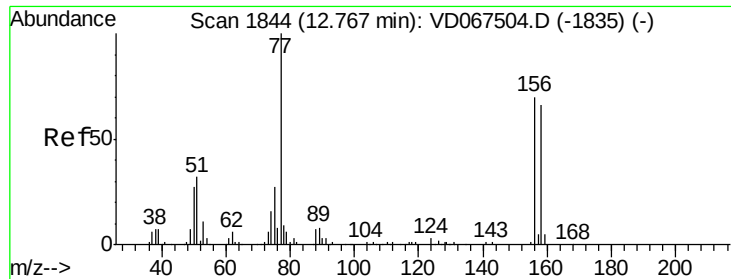
Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Tgt Ion:	75	Resp:	53243
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





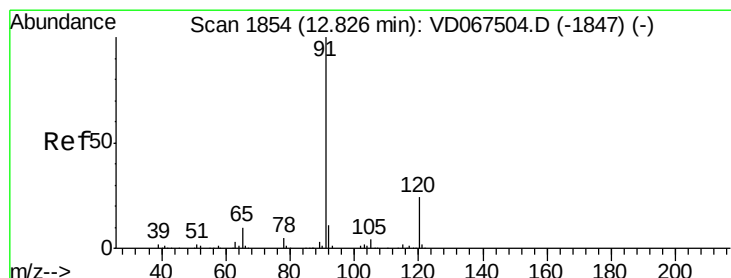
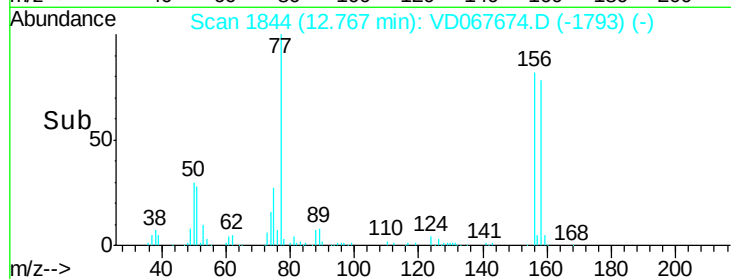
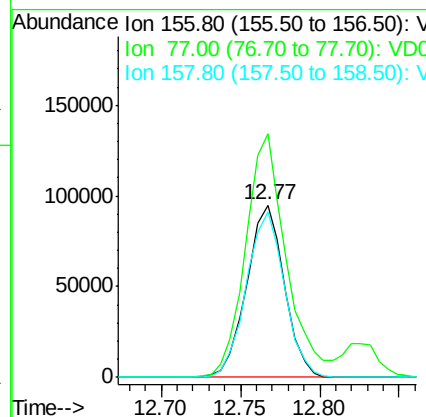
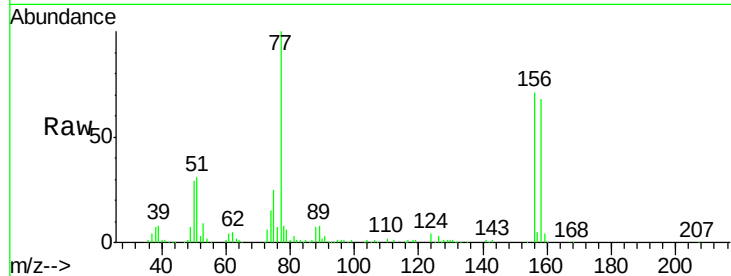
#77
Bromobenzene
Concen: 52.311 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.8	77.8	233.5
158	97.4	47.9	143.7

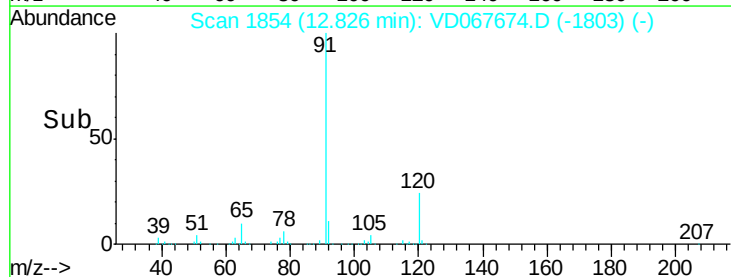
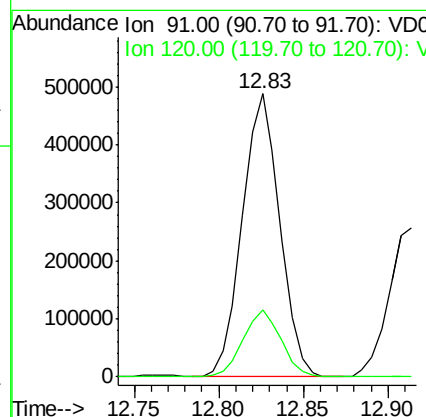
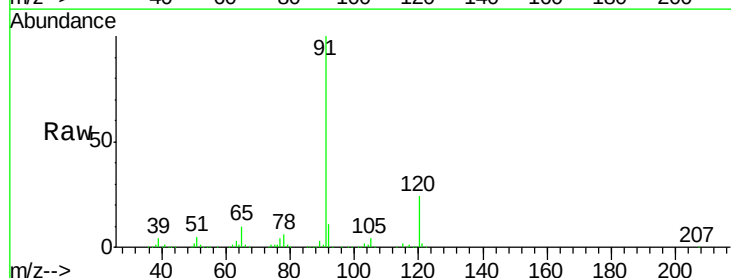
Manual Integrations
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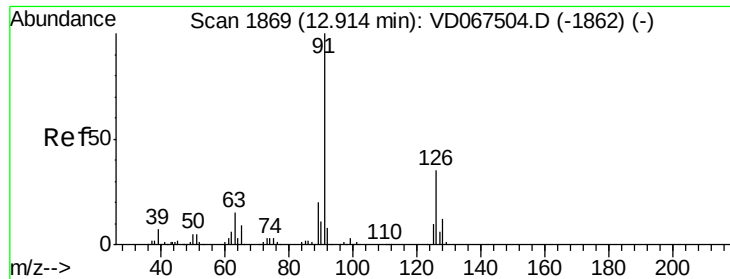
MMDadoda
11/19/2020 11:07:01 AM



#78
n-propylbenzene
Concen: 53.914 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.9	12.2	36.4





#79

2-Chlorotoluene

Concen: 54.120 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 429110

Ion Ratio Lower Upper

91 100

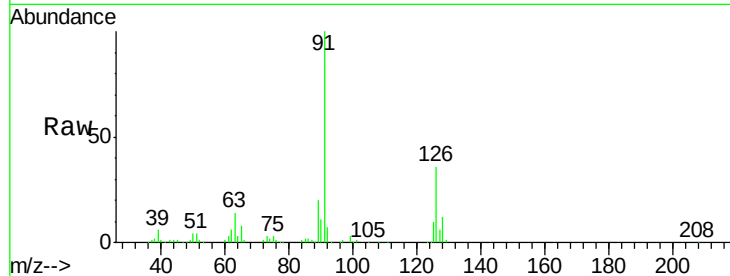
126 36.3 17.8 53.4

Manual Integrations

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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) (-)

12.91

250000

200000

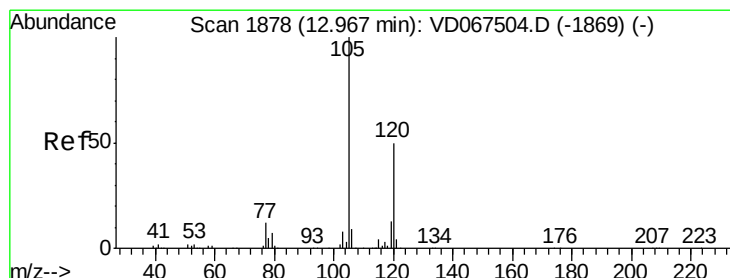
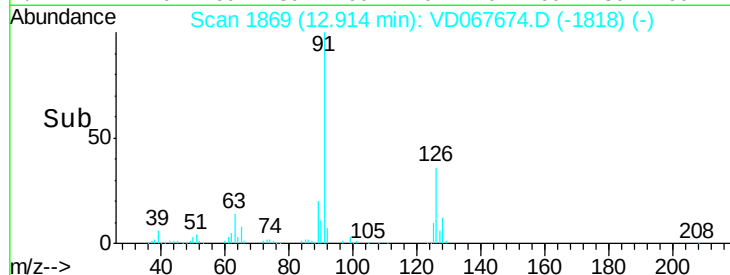
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 54.661 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067674.D

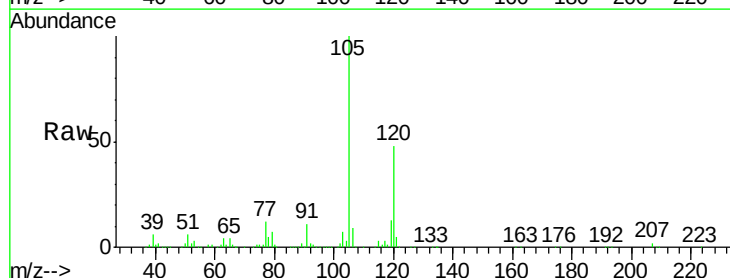
Acq: 18 Nov 2020 09:42

Tgt Ion: 105 Resp: 569804

Ion Ratio Lower Upper

105 100

120 49.0 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) (-)

12.96

400000

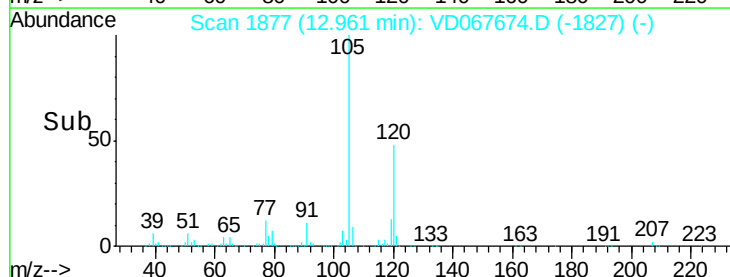
300000

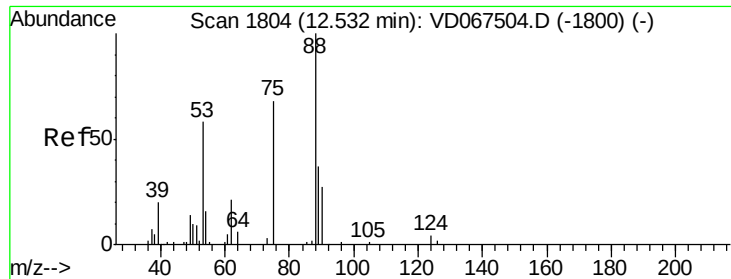
200000

100000

0

Time-->





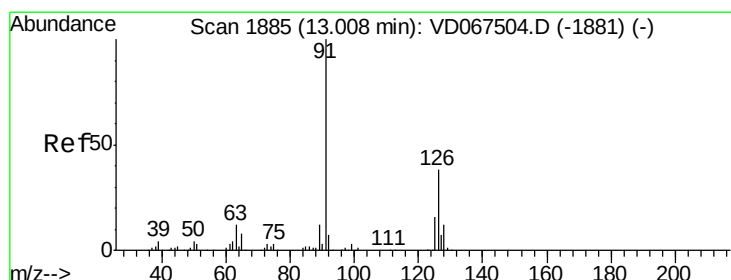
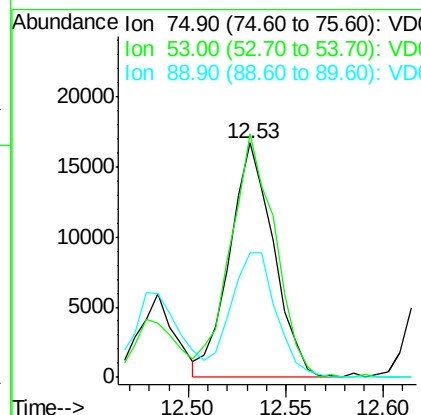
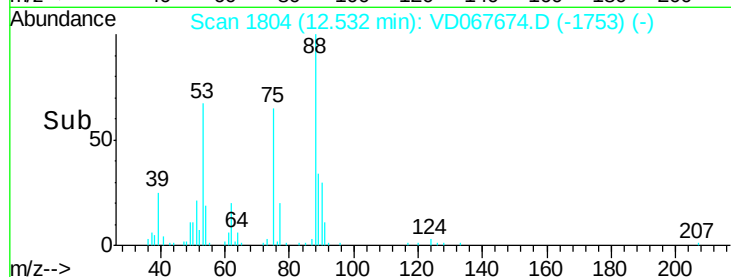
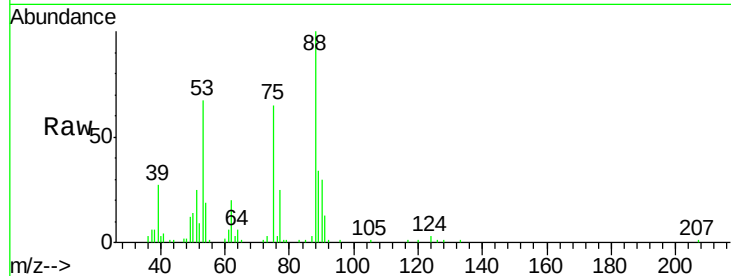
#81
trans-1,4-Dichloro-2-butene
Concen: 46.391 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	105.8	75.9	113.9
89	55.3	44.6	67.0

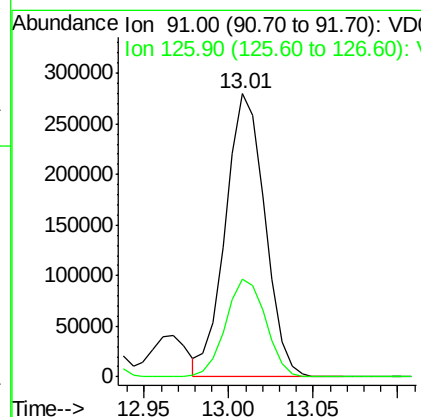
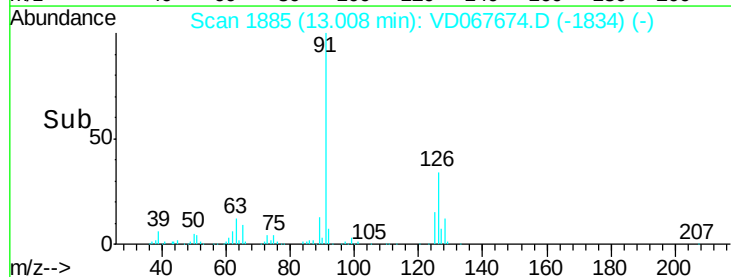
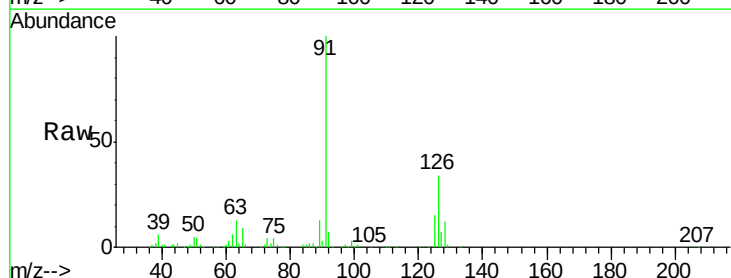
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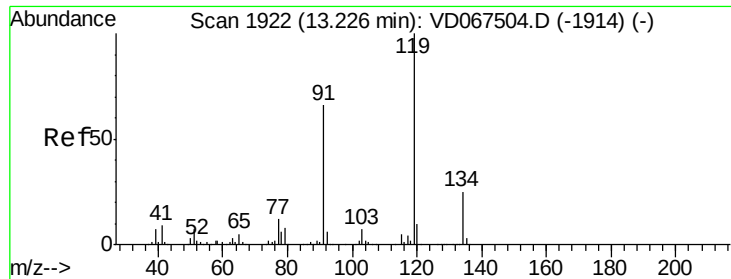
MMDadoda
11/19/2020 11:07:01 AM



#82
4-Chlorotoluene
Concen: 53.479 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.9	53.7





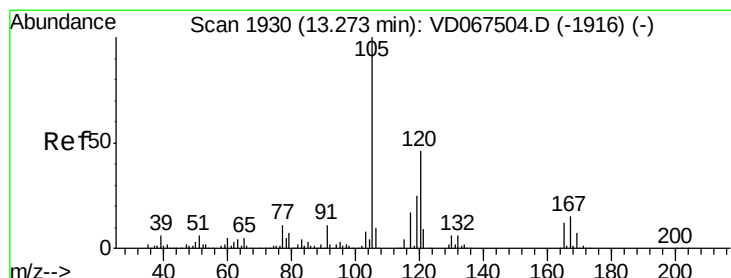
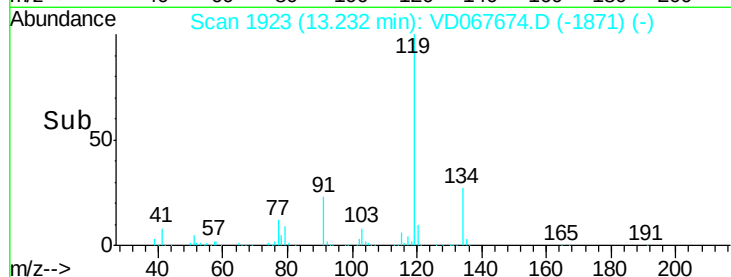
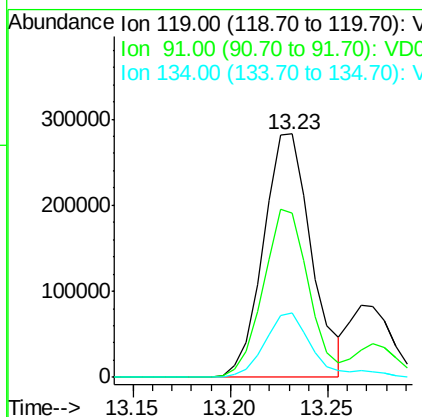
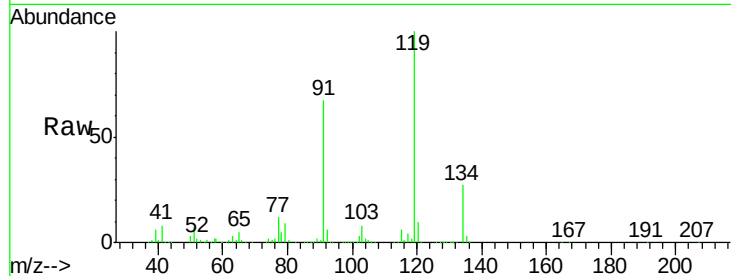
#83
 tert-Butylbenzene
 Concen: 54.551 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	481947		
91	65.4		32.7	98.1
134	26.8		13.4	40.2

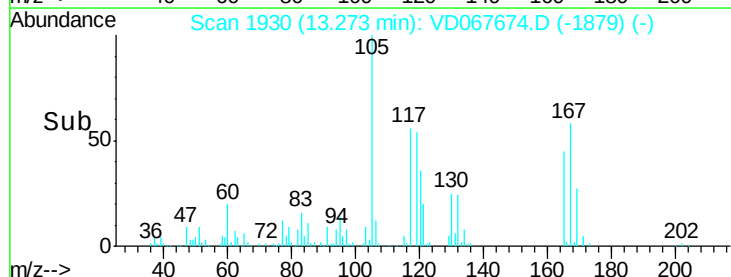
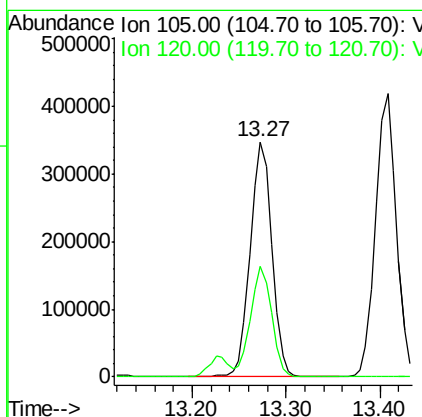
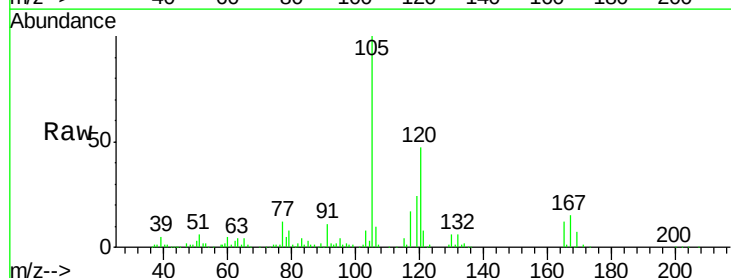
Manual Integrations
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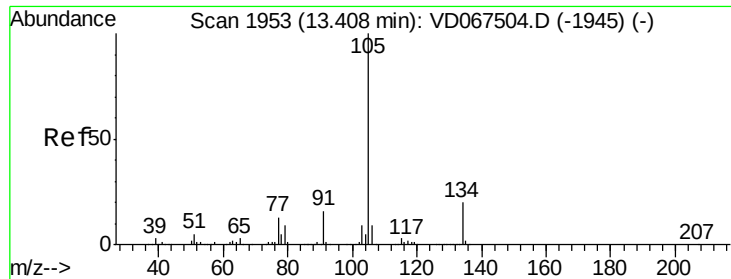
MMDadoda
 11/19/2020 11:07:01 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 53.806 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	558321		
120	45.7		22.1	66.1





#85

sec-Butylbenzene

Concen: 53.801 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 641661

Ion Ratio Lower Upper

105 100

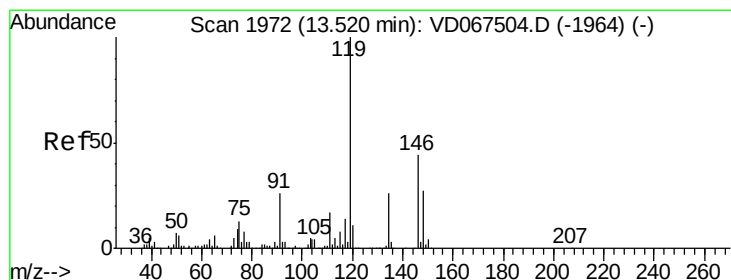
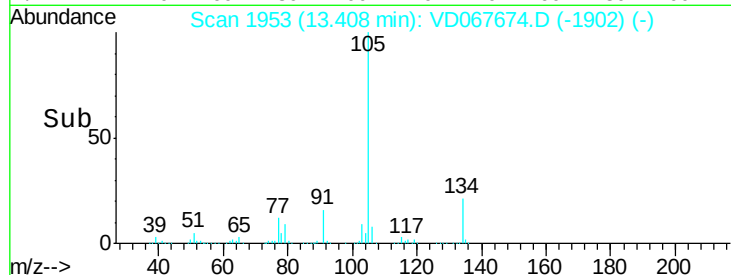
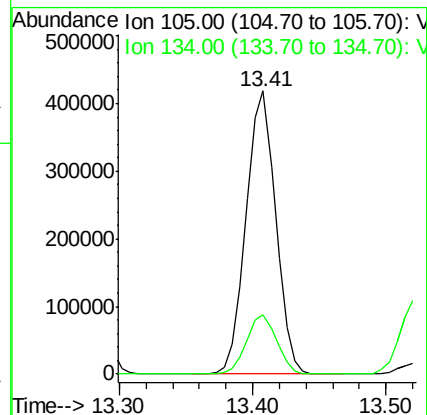
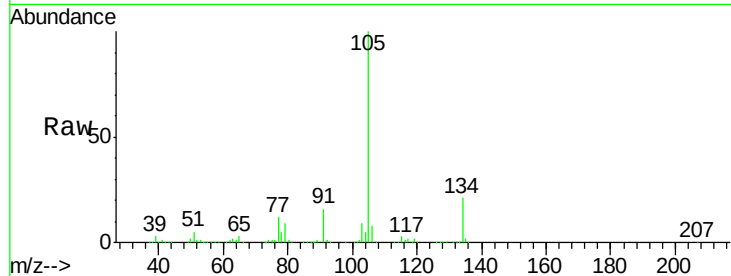
134 21.3 10.4 31.4

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 53.143 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067674.D

Acq: 18 Nov 2020 09:42

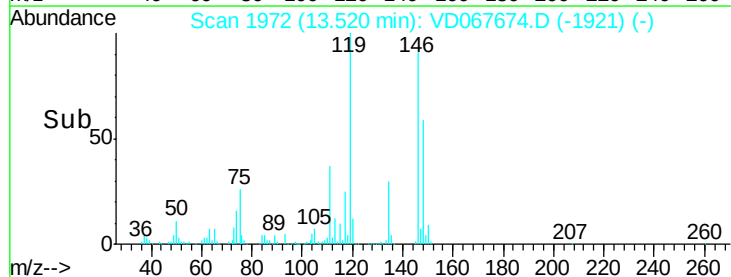
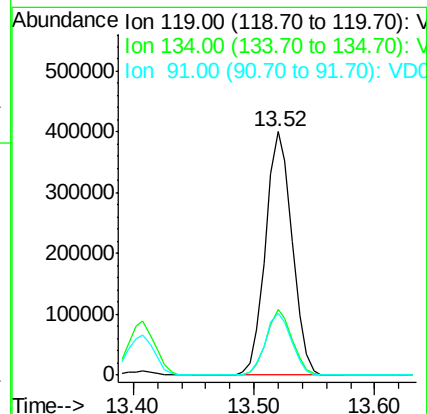
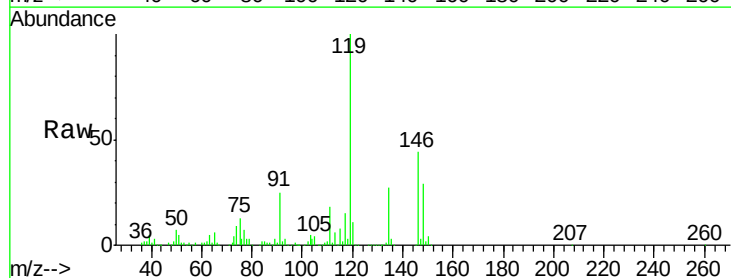
Tgt Ion:119 Resp: 612049

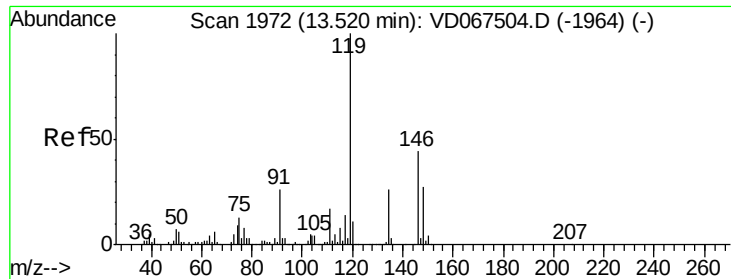
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.9 12.2 36.4





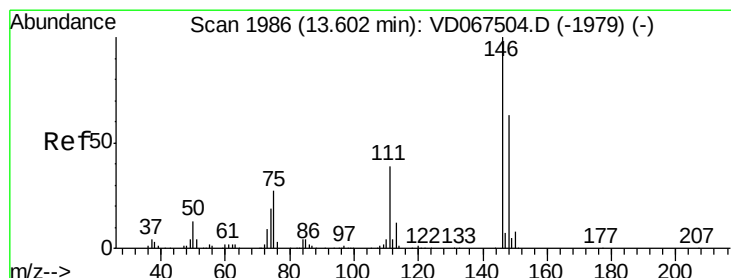
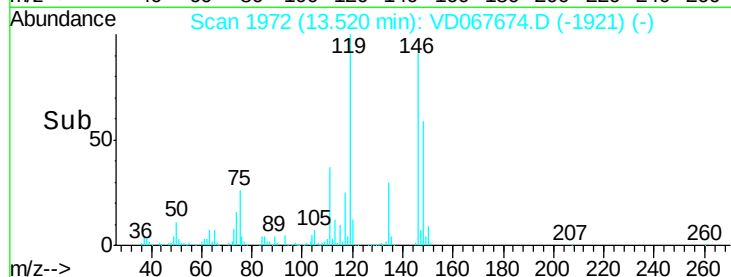
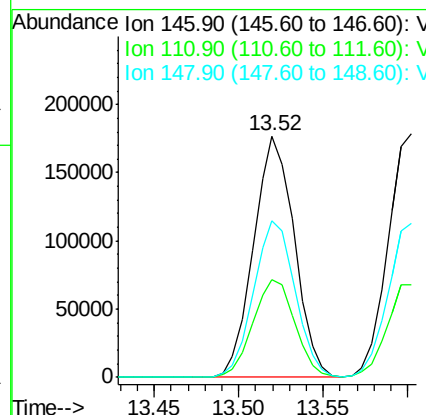
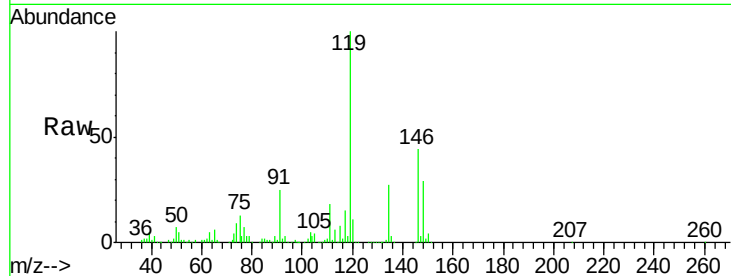
#87
 1,3-Dichlorobenzene
 Concen: 51.801 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.3	60.8
148	65.8	31.9	95.9

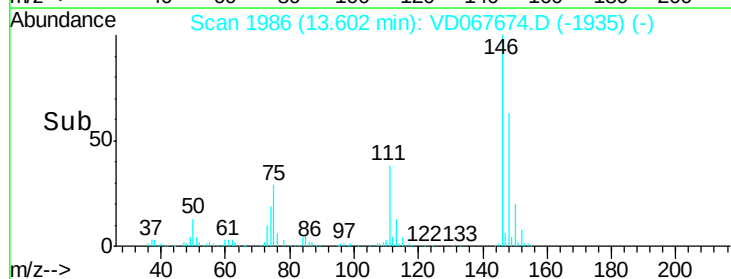
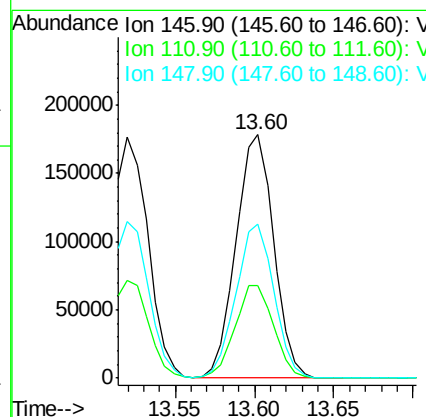
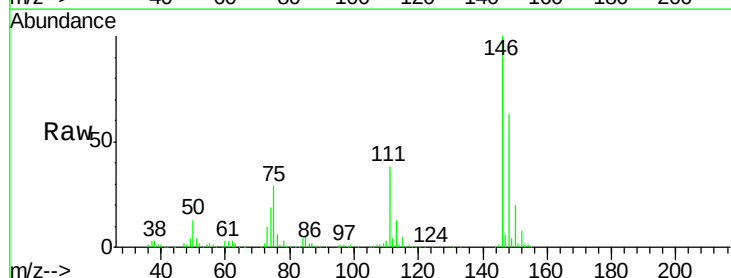
Manual Integrations
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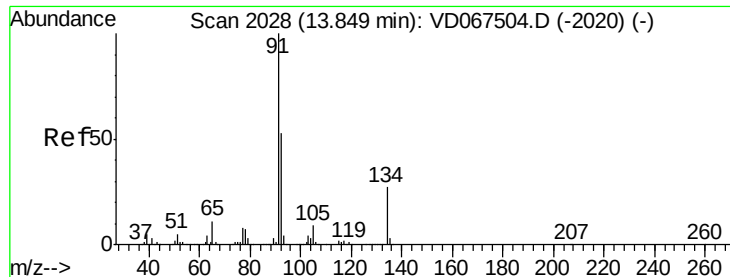
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 50.956 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.6	58.7
148	63.9	31.8	95.4





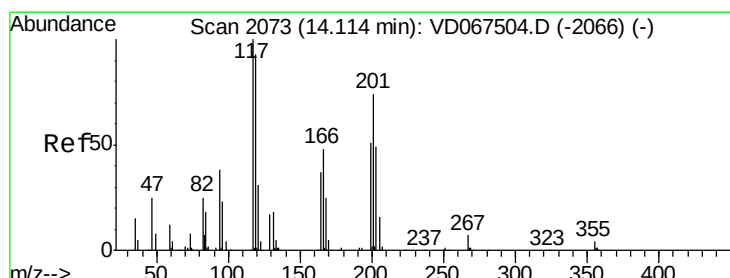
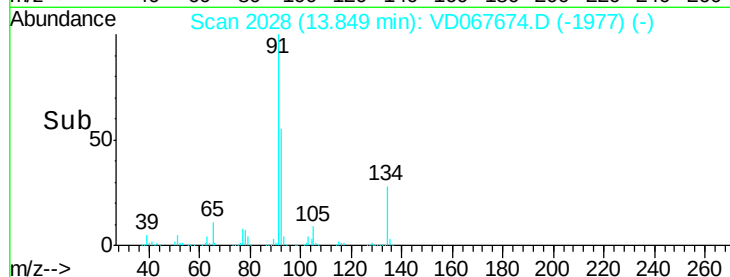
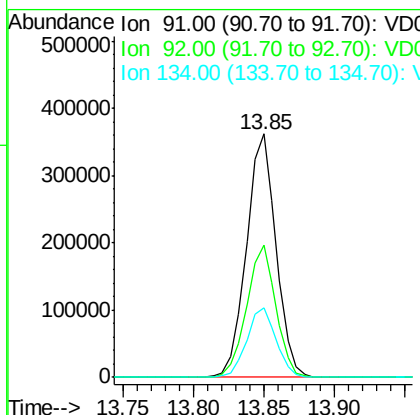
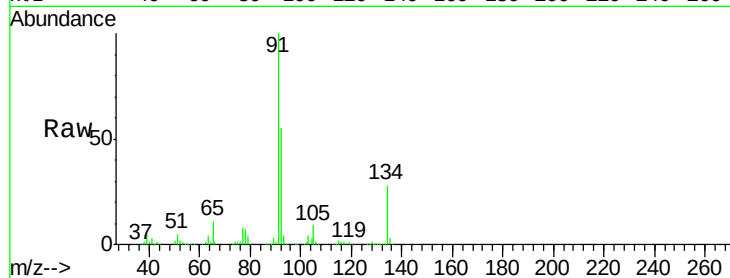
#89
n-Butylbenzene
Concen: 53.377 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.6	79.8
134	28.3	14.1	42.2

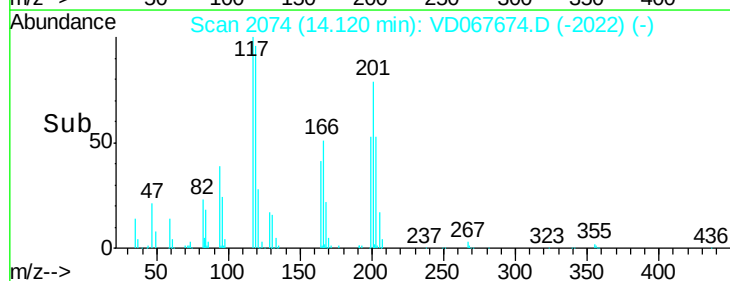
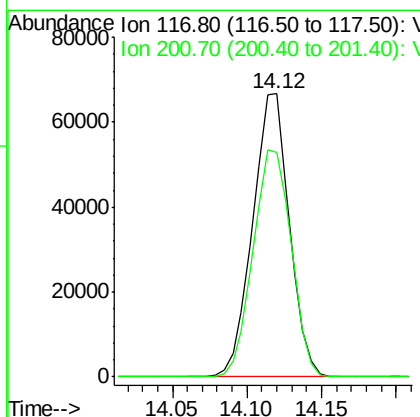
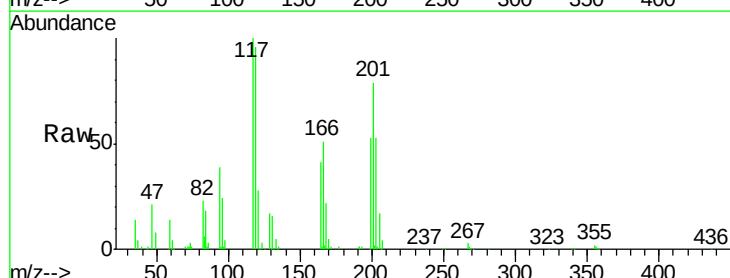
Manual Integrations
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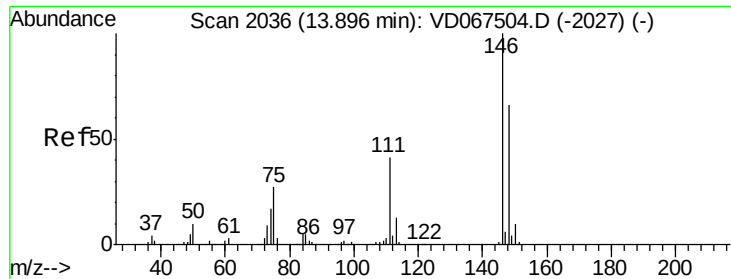
MMDadoda
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#90
Hexachloroethane
Concen: 52.193 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.3	40.7	122.1





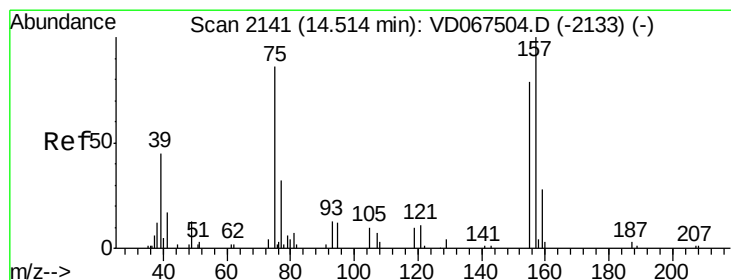
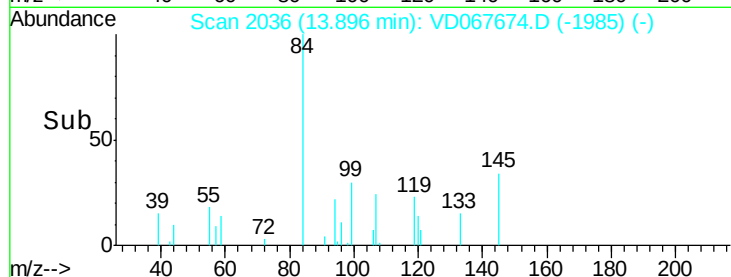
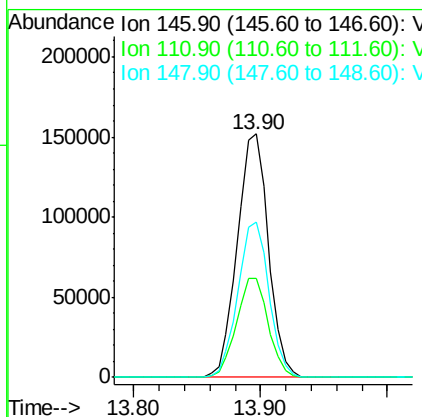
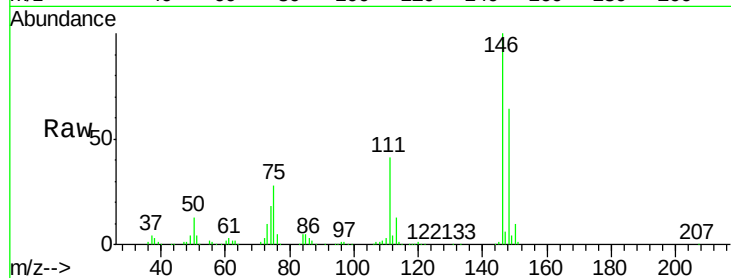
#91
 1,2-Dichlorobenzene
 Concen: 52.202 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.7	62.1
148	63.8	31.5	94.5

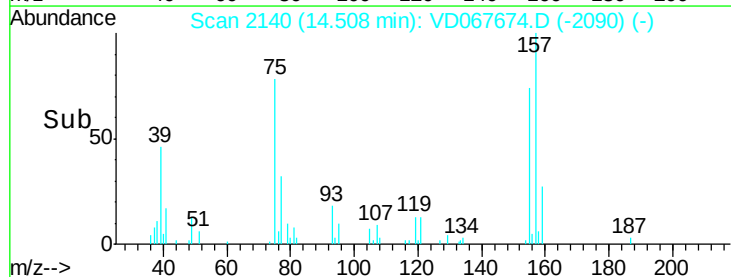
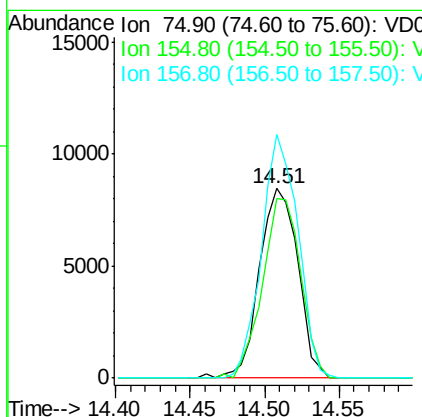
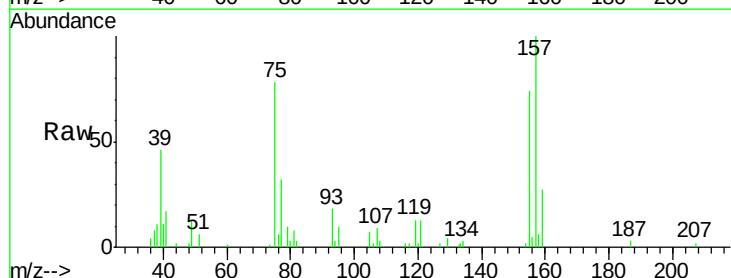
Manual Integrations
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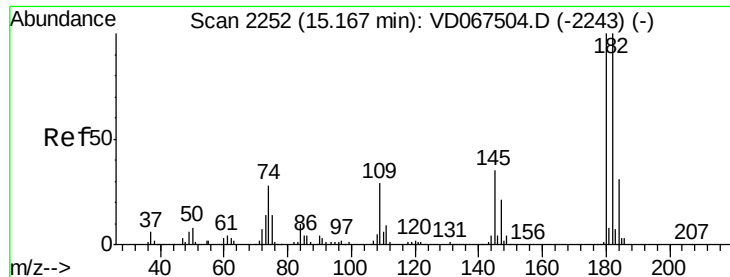
MMDadoda
 11/19/2020 11:07:01 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.147 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067674.D
 Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.8	46.6	139.8
157	122.1	58.1	174.2





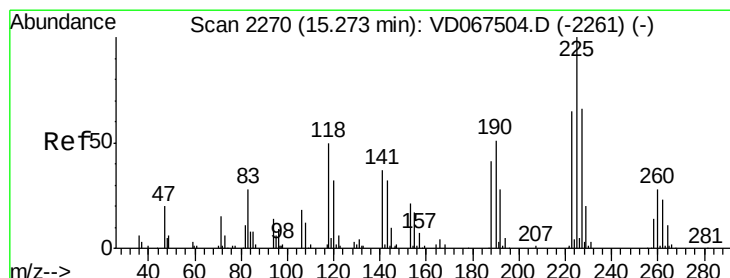
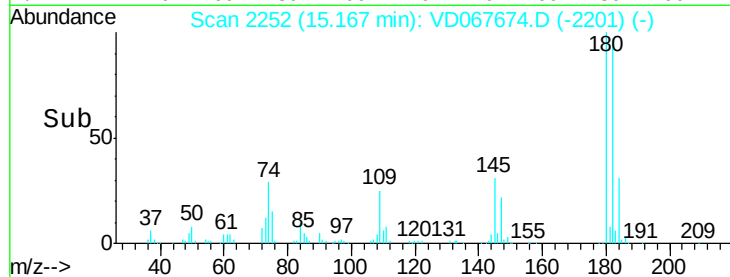
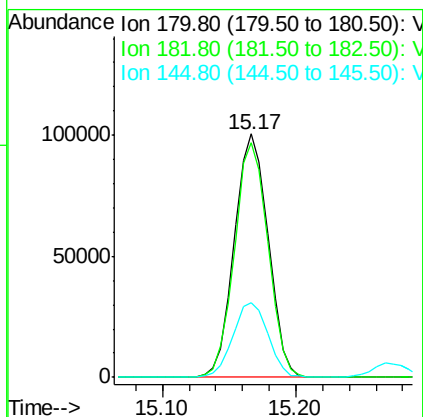
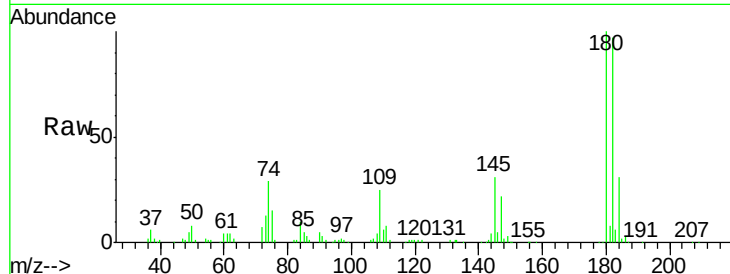
#93
1,2,4-Trichlorobenzene
Concen: 52.587 ug/l
RT: 15.17 min Scan# 2252
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	176645		
182	95.1	47.4	142.3	
145	32.0	16.2	48.6	

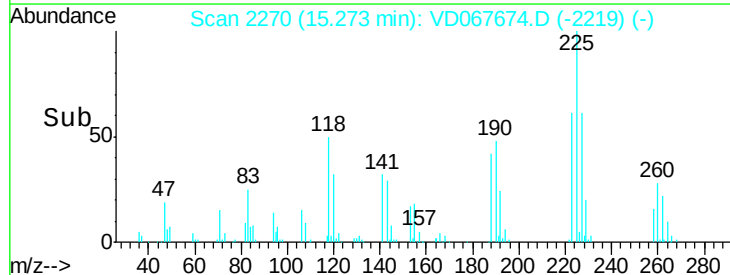
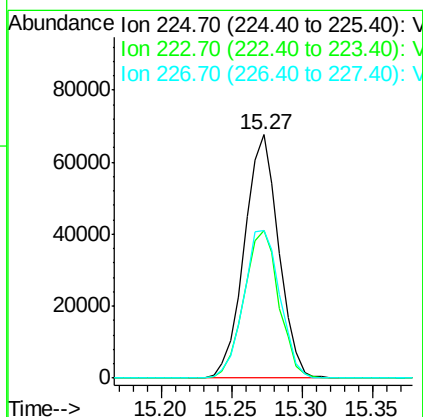
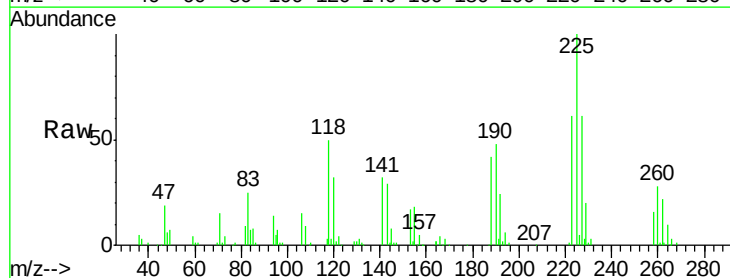
Manual Integrations
APPROVED

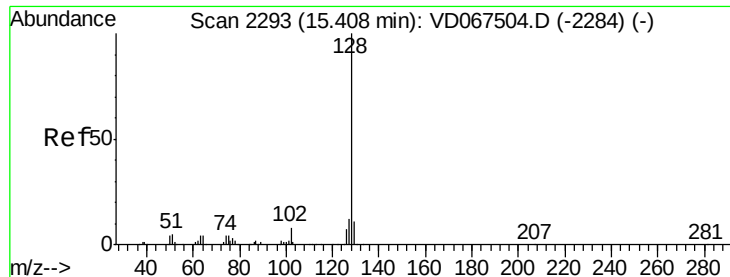
MMDadoda
11/19/2020 11:07:01 AM



#94
Hexachlorobutadiene
Concen: 51.196 ug/l
RT: 15.27 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	115095		
223	61.7	31.9	95.5	
227	64.5	32.5	97.4	





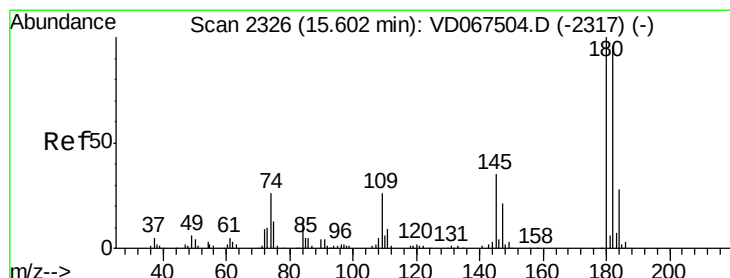
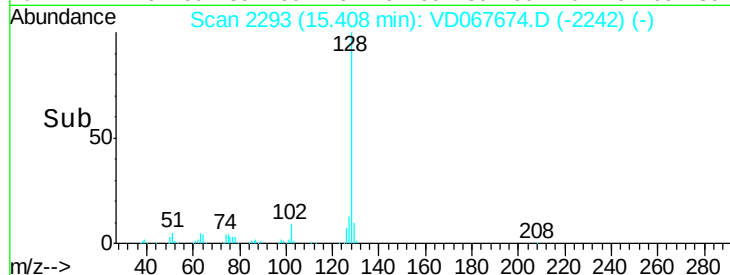
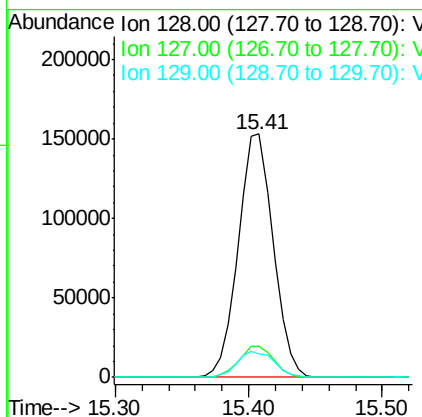
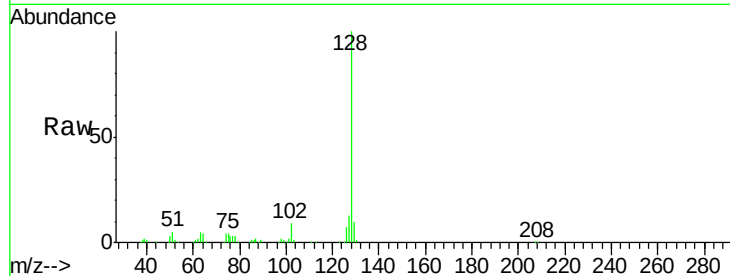
#95
Naphthalene
Concen: 53.516 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.4
129	11.3	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/19/2020 11:07:01 AM



#96
1,2,3-Trichlorobenzene
Concen: 51.856 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067674.D
Acq: 18 Nov 2020 09:42

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.8
145	33.9	17.1	51.2

