

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101320\
 Data File : VD067249.D
 Acq On : 13 Oct 2020 13:38
 Operator : VA/SY
 Sample : VSTDICV050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:10:17 PM

Quant Time: Oct 14 02:23:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 13 13:05:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	371828	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	556733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	509293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	253301	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	190767	51.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.42%	
35) Dibromofluoromethane	7.92	113	194371	52.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.92%	
50) Toluene-d8	10.34	98	709118	52.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.78%	
62) 4-Bromofluorobenzene	12.64	95	248819	53.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	152137	51.067	ug/l	94
3) Chloromethane	2.21	50	108091	46.191	ug/l	99
4) Vinyl Chloride	2.35	62	121459	47.305	ug/l	99
5) Bromomethane	2.77	94	87278	48.791	ug/l	99
6) Chloroethane	2.92	64	74390	46.522	ug/l	93
7) Trichlorofluoromethane	3.27	101	309976	47.944	ug/l	96
8) Diethyl Ether	3.71	74	73480	49.667	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	165849	48.282	ug/l	98
10) Methyl Iodide	4.30	142	159006	50.180	ug/l	99
11) Tert butyl alcohol	5.21	59	48072	247.812	ug/l #	96
12) 1,1-Dichloroethene	4.06	96	152006	49.533	ug/l	92
13) Acrolein	3.92	56	56379	252.952	ug/l	99
14) Allyl chloride	4.71	41	177966	50.641	ug/l	98
15) Acrylonitrile	5.43	53	126170	255.585	ug/l	100
16) Acetone	4.16	43	134657	258.108	ug/l	98
17) Carbon Disulfide	4.41	76	420518	48.068	ug/l	97
18) Methyl Acetate	4.71	43	56764	47.703	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	314378	51.521	ug/l	99
20) Methylene Chloride	4.96	84	173509	52.110	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	173209	49.047	ug/l	97
22) Diisopropyl ether	6.36	45	330614	51.499	ug/l	99
23) Vinyl Acetate	6.31	43	1010245	276.601	ug/l	100
24) 1,1-Dichloroethane	6.27	63	269221	48.990	ug/l	99
25) 2-Butanone	7.21	43	156877	263.794	ug/l	94
26) 2,2-Dichloropropane	7.21	77	275949	48.717	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	194508	50.255	ug/l	99
28) Bromochloromethane	7.55	49	95077	50.723	ug/l	99
29) Tetrahydrofuran	7.57	42	84384	255.261	ug/l	95
30) Chloroform	7.71	83	315446	48.051	ug/l	91
31) Cyclohexane	7.98	56	206653	48.164	ug/l	93
32) 1,1,1-Trichloroethane	7.90	97	313908	48.735	ug/l	98
36) 1,1-Dichloropropene	8.11	75	232665	49.307	ug/l	99
37) Ethyl Acetate	7.30	43	69345	49.949	ug/l	96
38) Carbon Tetrachloride	8.10	117	293774	48.711	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	256722	52.041	ug/l	99
40) Benzene	8.35	78	647308	50.004	ug/l	97
41) Methacrylonitrile	7.53	41	33156	44.195	ug/l #	88
42) 1,2-Dichloroethane	8.42	62	201500	49.739	ug/l	99
43) Isopropyl Acetate	8.46	43	143336	52.032	ug/l	100
44) Trichloroethene	9.11	130	203812	49.174	ug/l	97
45) 1,2-Dichloropropane	9.39	63	148637	49.543	ug/l	98
46) Dibromomethane	9.48	93	92801	49.646	ug/l	94
47) Bromodichloromethane	9.67	83	243977	48.716	ug/l	95
48) Methyl methacrylate	9.46	41	67744	50.603	ug/l	94
49) 1,4-Dioxane	9.46	88	19423	1076.040	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	362371	263.733	ug/l	98
52) Toluene	10.41	92	439762	49.877	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	222255	50.519	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	258254	50.159	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	125252	49.138	ug/l	97
56) Ethyl methacrylate	10.67	69	140934	53.312	ug/l	100
57) 1,3-Dichloropropane	10.95	76	207594	51.176	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.94	63	361933	266.884	ug/l	99
59) 2-Hexanone	10.99	43	253905	270.428	ug/l	98
60) Dibromochloromethane	11.14	129	183199	49.283	ug/l	99
61) 1,2-Dibromoethane	11.25	107	123261	49.051	ug/l	98
64) Tetrachloroethene	10.88	164	175914	47.673	ug/l	96
65) Chlorobenzene	11.67	112	485547	49.717	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	189748	48.885	ug/l	98
67) Ethyl Benzene	11.75	91	854003	51.012	ug/l	97
68) m/p-Xylenes	11.86	106	659548	102.307	ug/l	98
69) o-Xylene	12.18	106	309057	51.770	ug/l	93
70) Styrene	12.20	104	524079	50.998	ug/l	99
71) Bromoform	12.37	173	103891	49.822	ug/l #	100
73) Isopropylbenzene	12.48	105	867972	53.991	ug/l	99
74) N-amyl acetate	12.30	43	132917	54.743	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	126770	51.465	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	83320m	47.459	ug/l	
77) Bromobenzene	12.77	156	205790	51.345	ug/l	97
78) n-propylbenzene	12.83	91	993077	53.316	ug/l	100
79) 2-Chlorotoluene	12.91	91	552894	51.186	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	731930	52.393	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	41309	53.358	ug/l	94
82) 4-Chlorotoluene	13.01	91	598388	52.195	ug/l	98
83) tert-Butylbenzene	13.23	119	627406	53.167	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	730104	52.877	ug/l	98
85) sec-Butylbenzene	13.41	105	861525	53.206	ug/l	100
86) p-Isopropyltoluene	13.53	119	801405	52.436	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	390819	50.661	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	386753	50.602	ug/l	100
89) n-Butylbenzene	13.85	91	725899	53.988	ug/l	99
90) Hexachloroethane	14.12	117	135684	50.874	ug/l	96
91) 1,2-Dichlorobenzene	13.90	146	339910	50.438	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21616	48.304	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	248876	54.773	ug/l	98
94) Hexachlorobutadiene	15.28	225	152746	54.134	ug/l	100
95) Naphthalene	15.41	128	413145	55.381	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	209357	53.334	ug/l	99

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

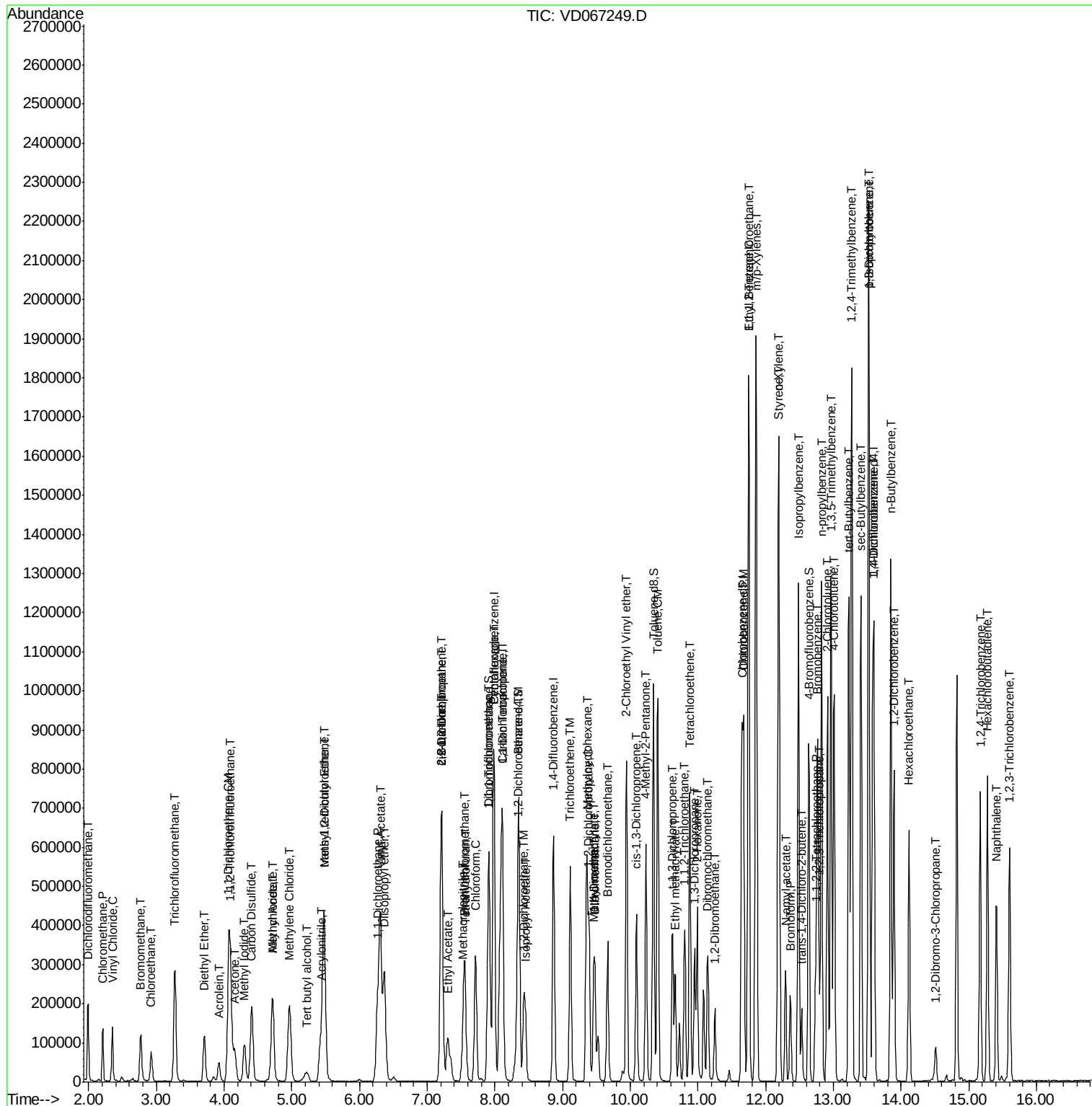
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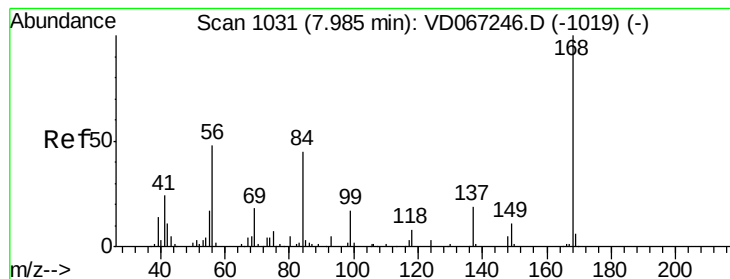
Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

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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: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion:168 Resp: 371828

Ion Ratio Lower Upper

168 100

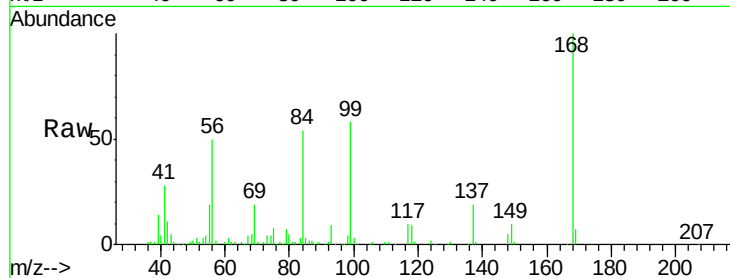
99 57.8 45.9 68.9

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

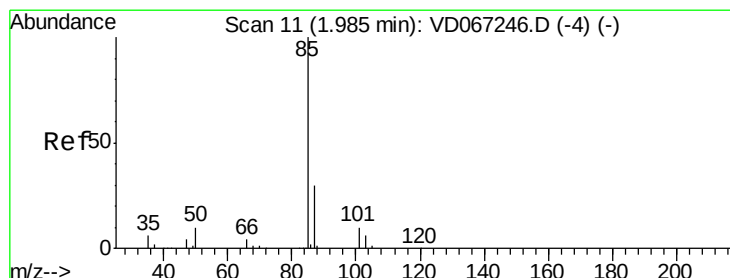
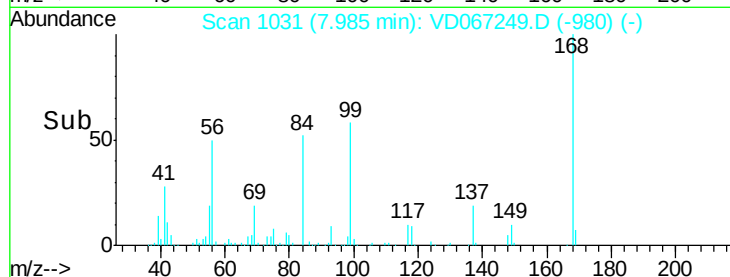
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 51.067 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067249.D

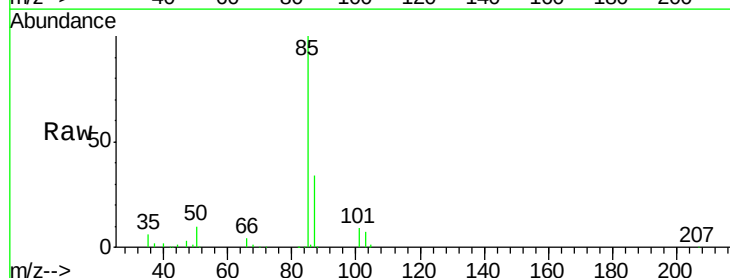
Acq: 13 Oct 2020 13:38

Tgt Ion: 85 Resp: 152137

Ion Ratio Lower Upper

85 100

87 33.6 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

120000

100000

80000

60000

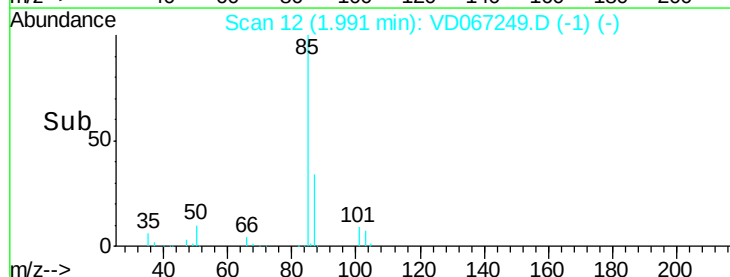
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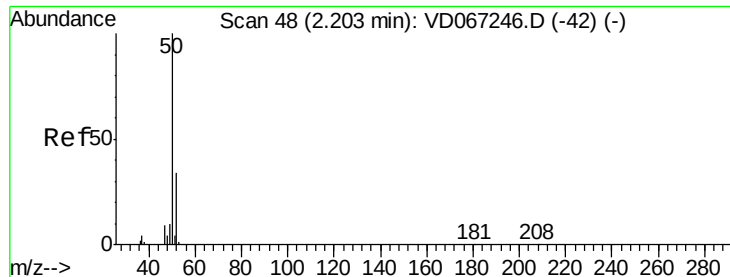
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 46.191 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 50 Resp: 108091

Ion Ratio Lower Upper

50 100

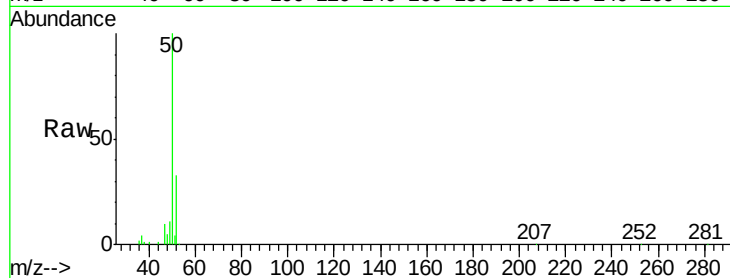
52 33.4 27.1 40.7

Manual Integrations

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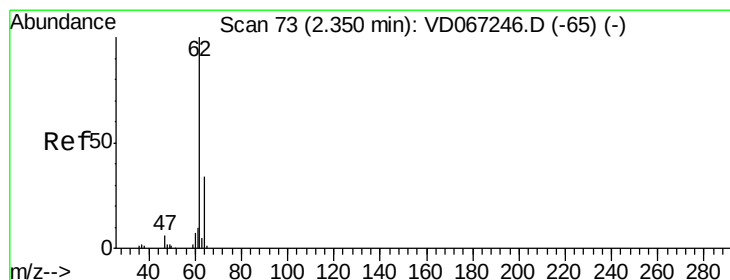
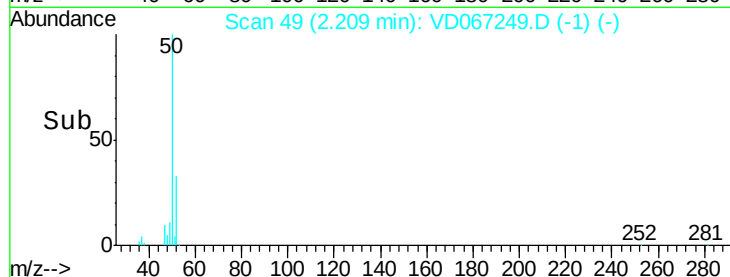
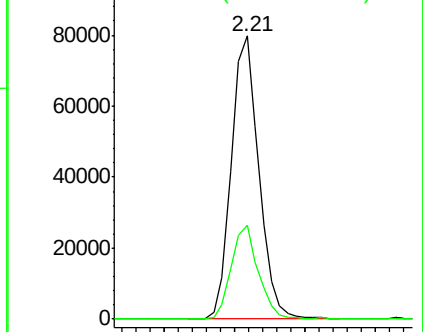
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.305 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067249.D

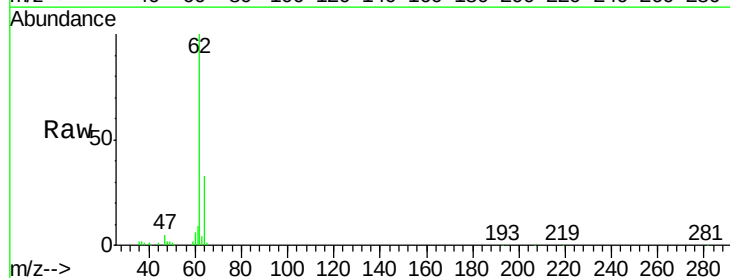
Acq: 13 Oct 2020 13:38

Tgt Ion: 62 Resp: 121459

Ion Ratio Lower Upper

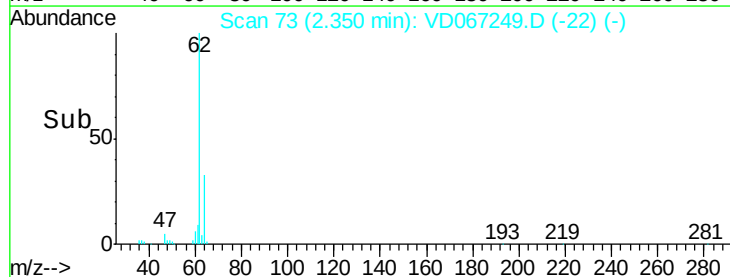
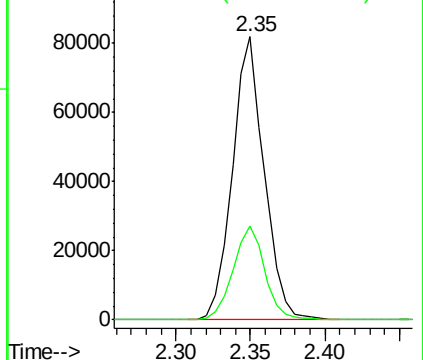
62 100

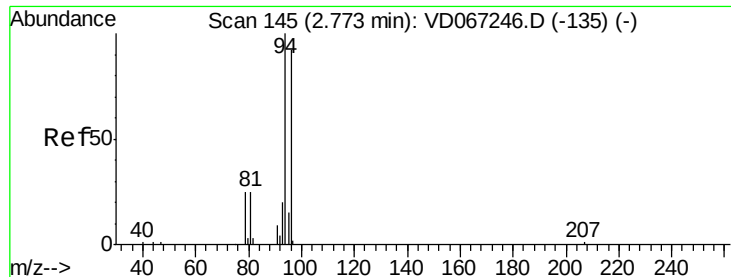
64 33.4 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 48.791 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

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ClientSampleId :

ICVVD101320

Tot Ion: 94 Resp: 87278

Ion Ratio Lower Upper

94 100

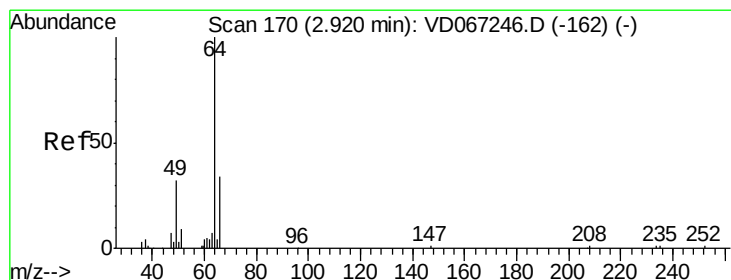
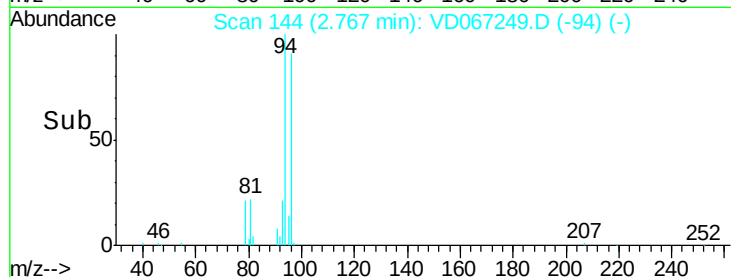
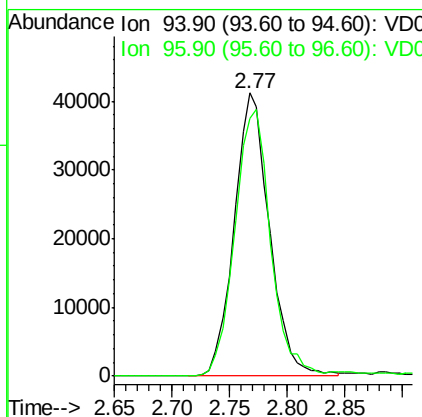
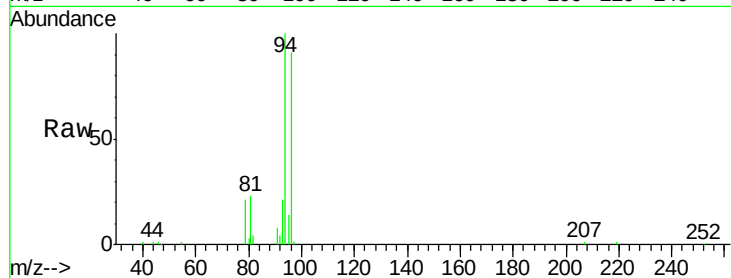
96 90.9 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 46.522 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067249.D

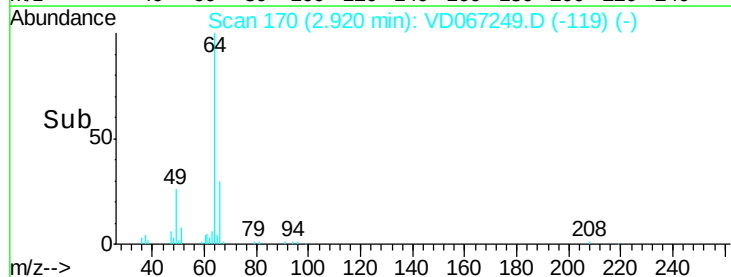
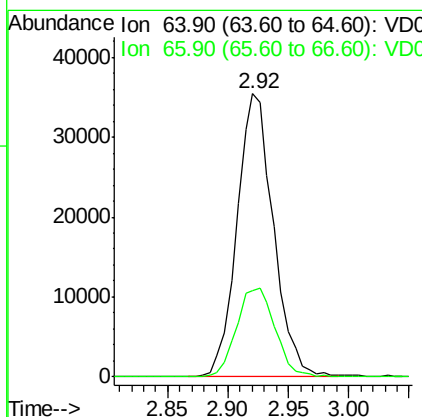
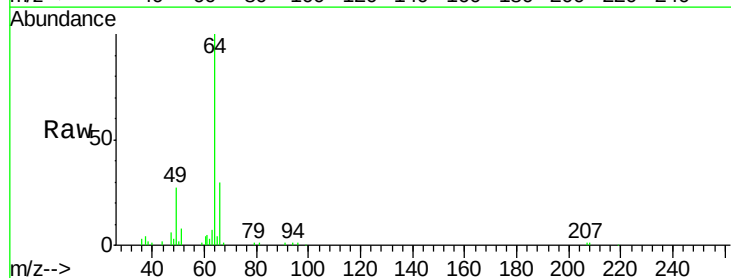
Acq: 13 Oct 2020 13:38

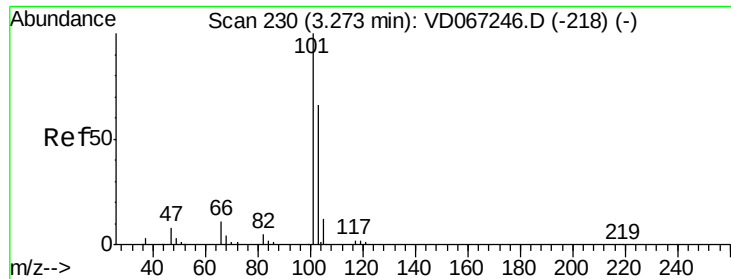
Tgt Ion: 64 Resp: 74390

Ion Ratio Lower Upper

64 100

66 30.4 27.4 41.0





#7

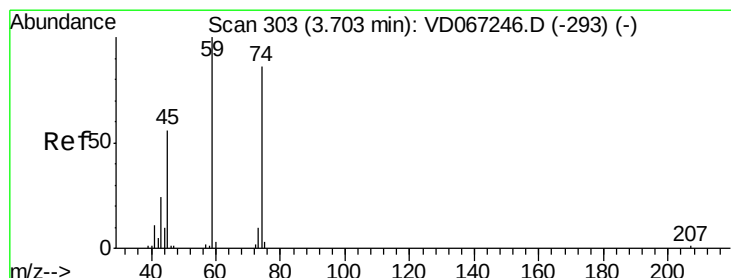
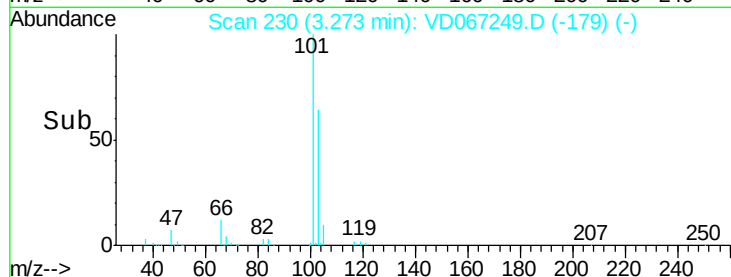
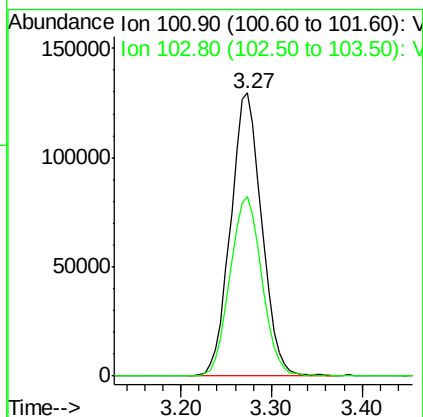
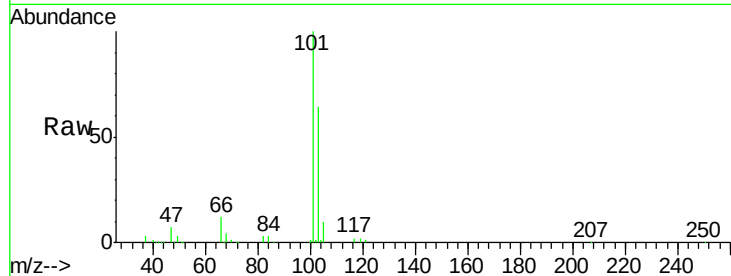
Trichlorofluoromethane
Concen: 47.944 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067249.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.4	53.1	79.7

Manual Integrations
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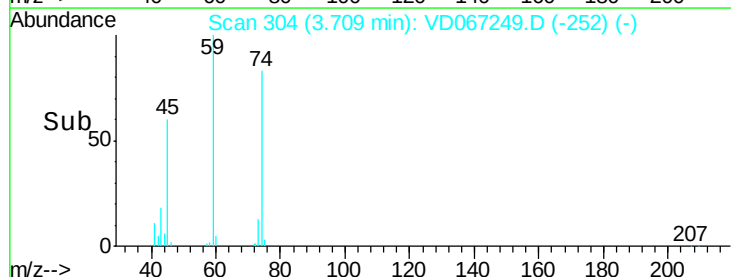
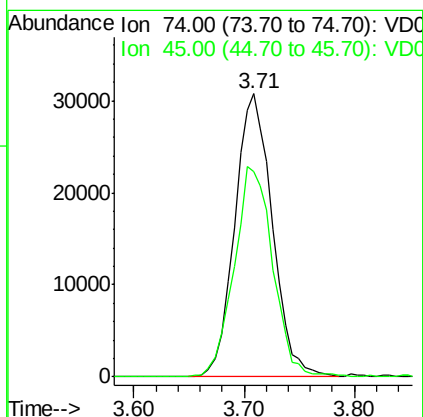
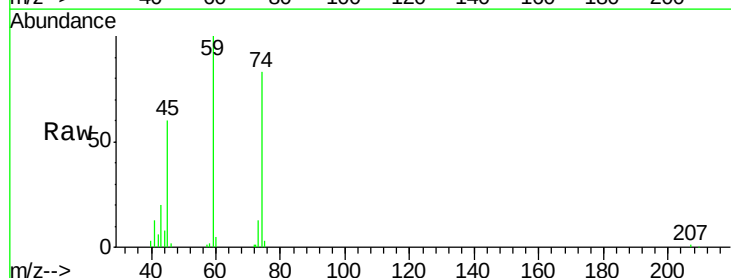
MMDadoda
10/14/2020 2:10:17 PM

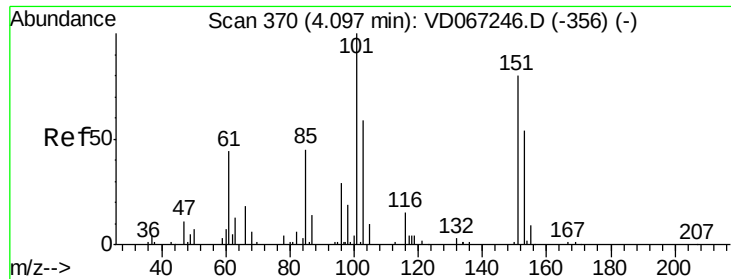


#8

Diethyl Ether
Concen: 49.667 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067249.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	76.4	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.282 ug/l

RT: 4.10 min Scan# 370

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

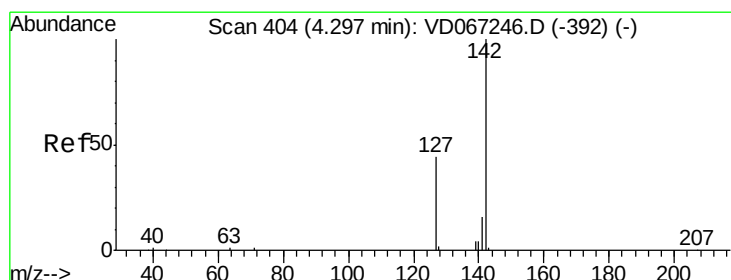
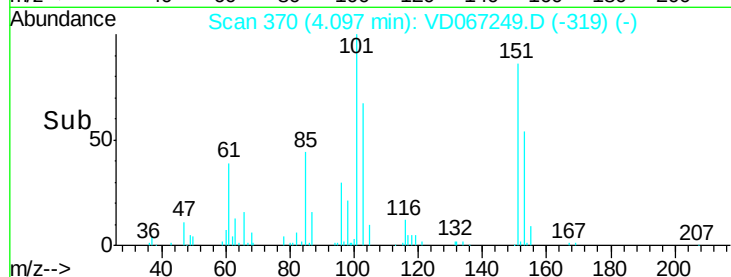
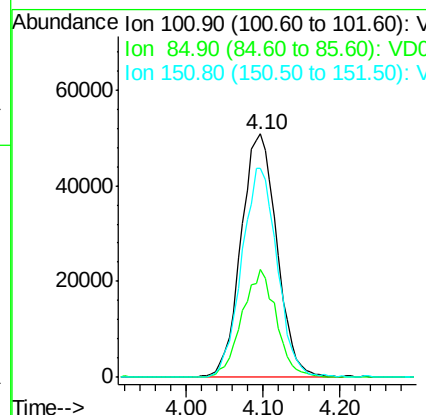
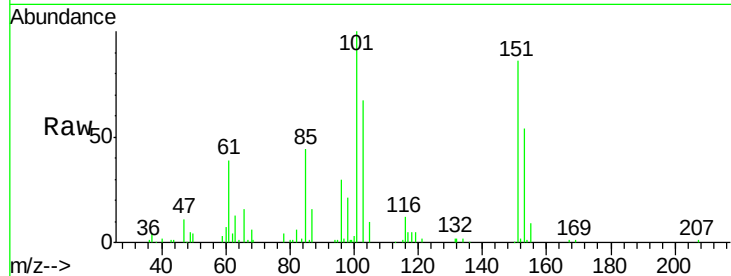
ClientSampleId :

ICVVD101320

Tot Ion:	101	Resp:	165849
Ion Ratio	Lower	Upper	
101	100		
85	42.3	34.2	51.4
151	84.9	66.3	99.5

Manual Integrations
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MMDadoda
10/14/2020 2:10:17 PM



#10

Methyl Iodide

Concen: 50.180 ug/l

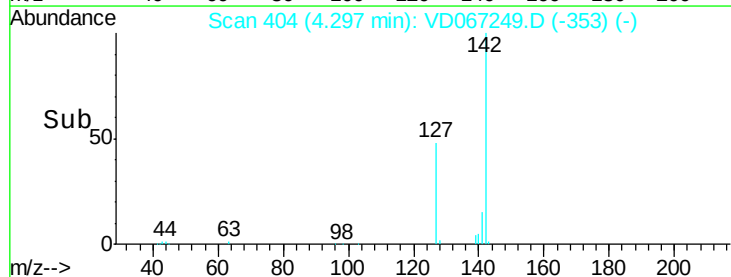
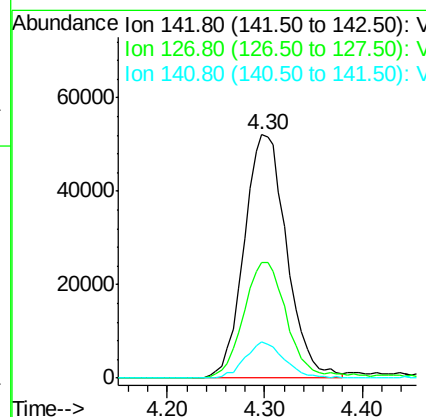
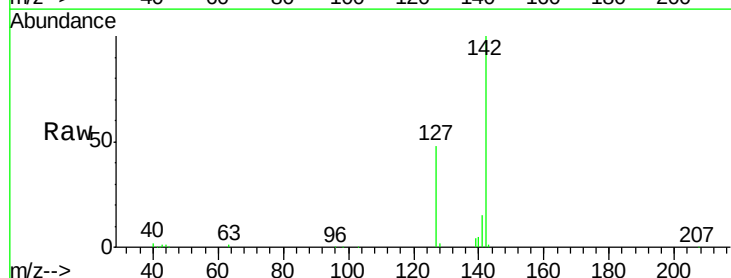
RT: 4.30 min Scan# 404

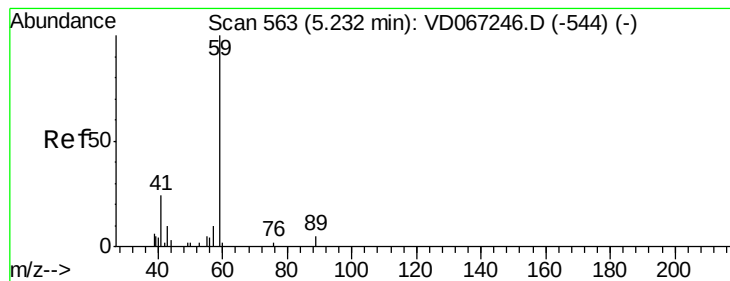
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion:	142	Resp:	159006
Ion Ratio	Lower	Upper	
142	100		
127	48.8	38.4	57.6
141	13.7	11.6	17.4





#11

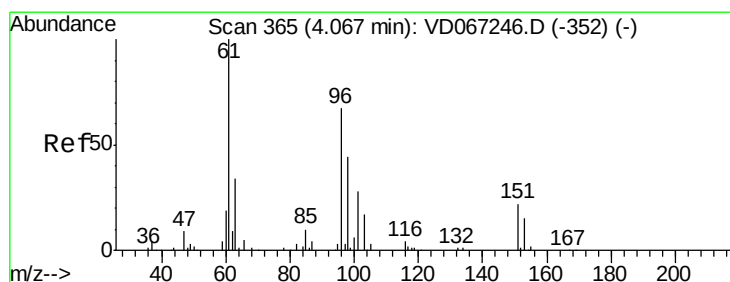
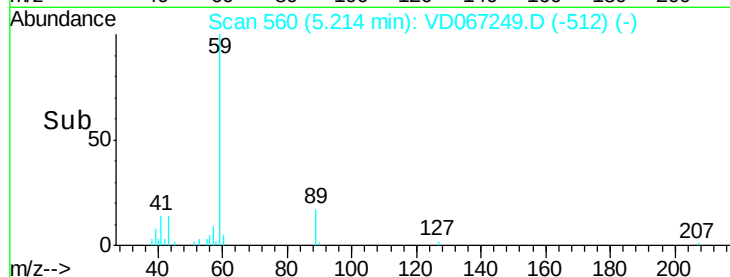
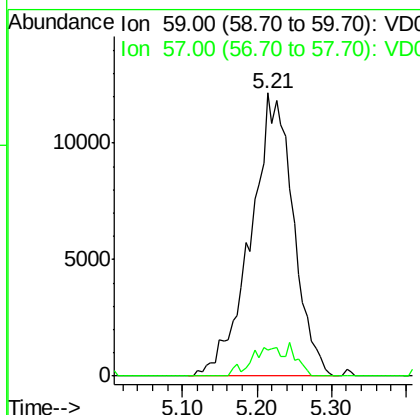
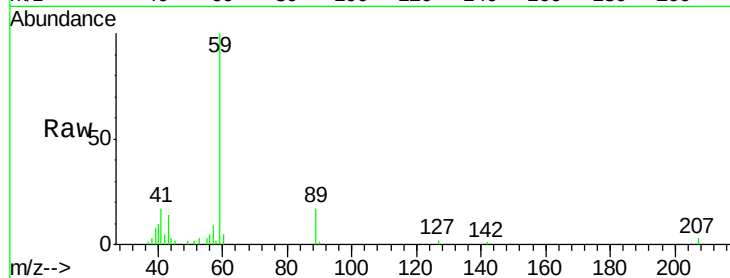
Tert butyl alcohol
Concen: 247.812 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
59	100		
57	5.0	5.1	7.7#

Manual Integrations
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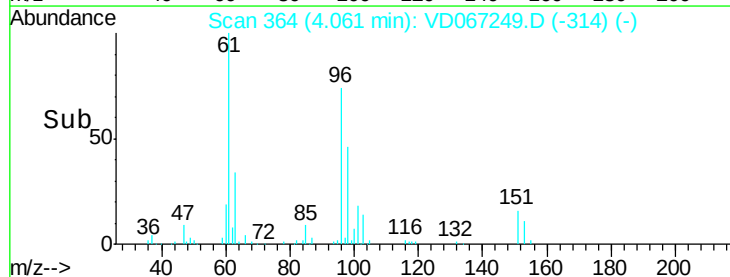
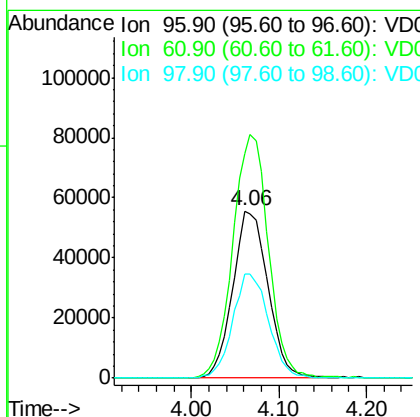
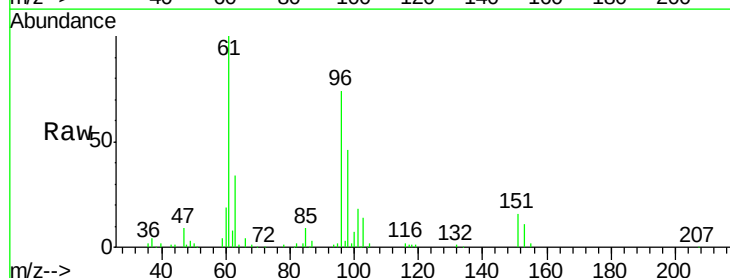
MMDadoda
10/14/2020 2:10:17 PM

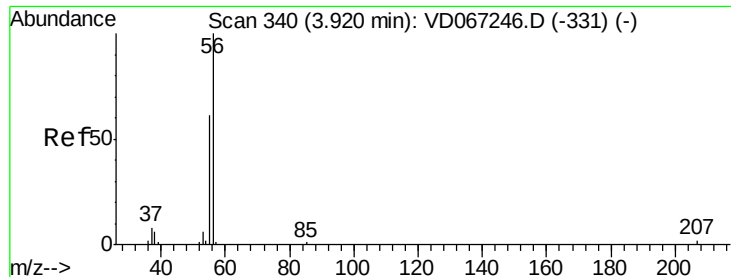


#12

1,1-Dichloroethene
Concen: 49.533 ug/l
RT: 4.06 min Scan# 364
Delta R.T. -0.01 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
96	100		
61	134.8	118.6	177.8
98	62.6	51.8	77.6





#13

Acrolein

Concen: 252.952 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 56 Resp: 56379

Ion Ratio Lower Upper

56 100

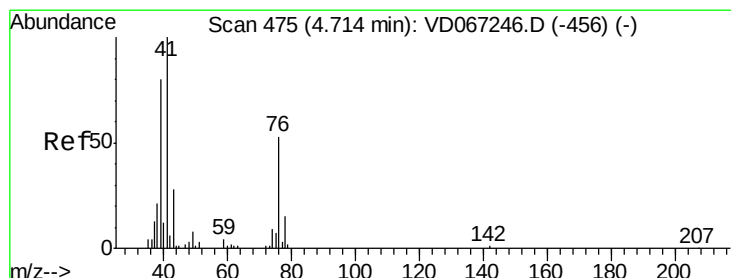
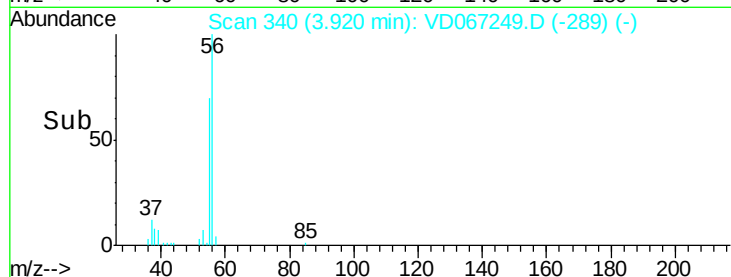
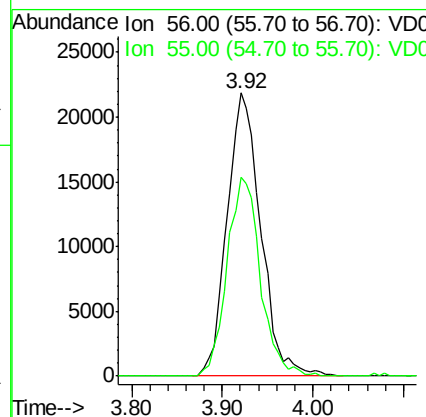
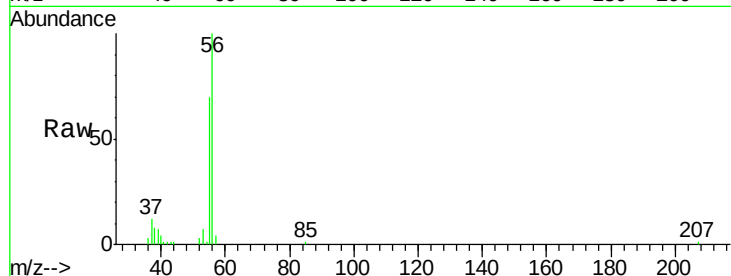
55 69.5 56.0 84.0

Manual Integrations

APPROVED

MMDadoda

10/14/2020 2:10:17 PM



#14

Allyl chloride

Concen: 50.641 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

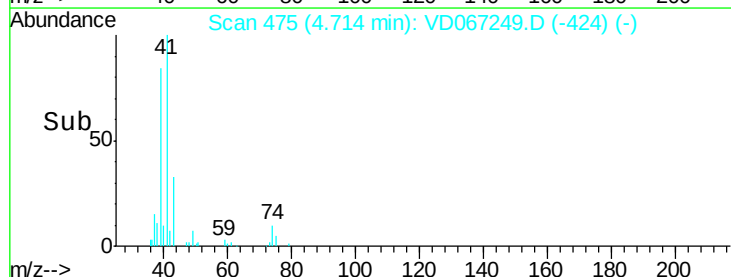
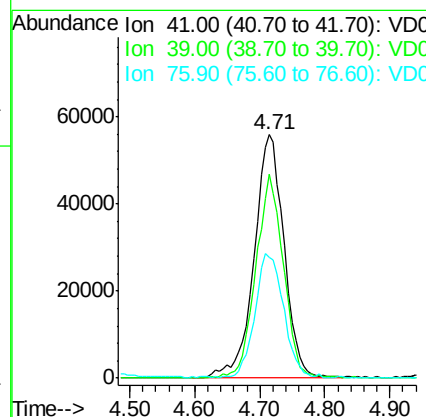
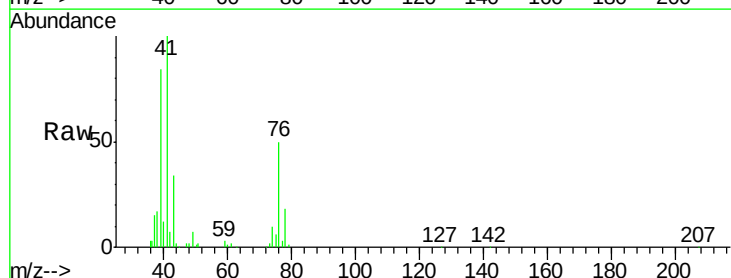
Tgt Ion: 41 Resp: 177966

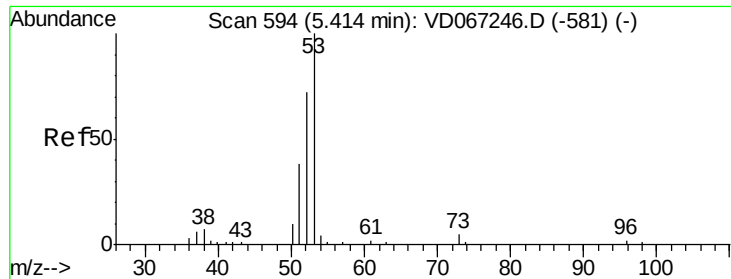
Ion Ratio Lower Upper

41 100

39 77.3 63.8 95.6

76 49.1 40.4 60.6





#15

Acrylonitrile

Concen: 255.585 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

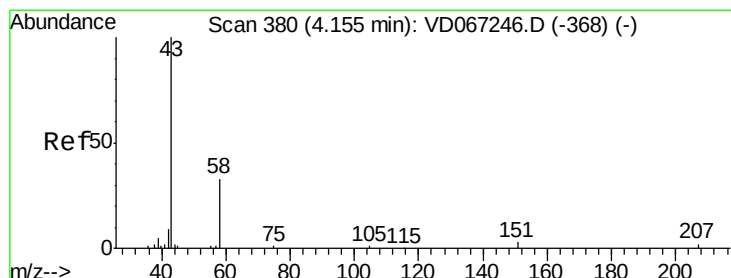
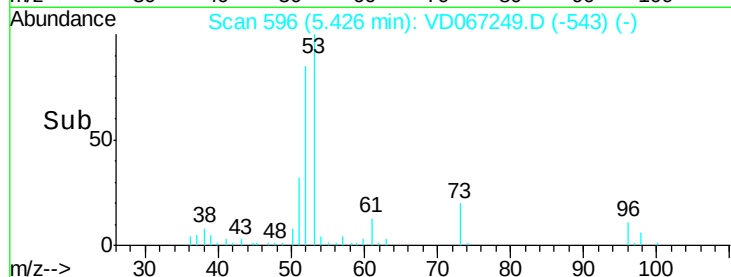
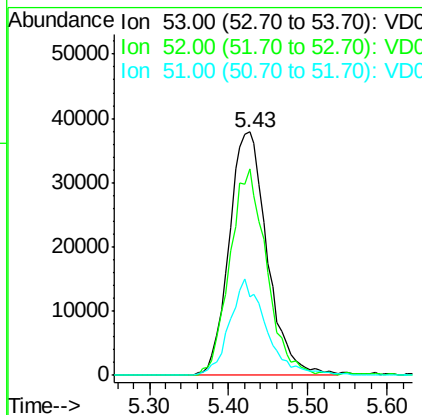
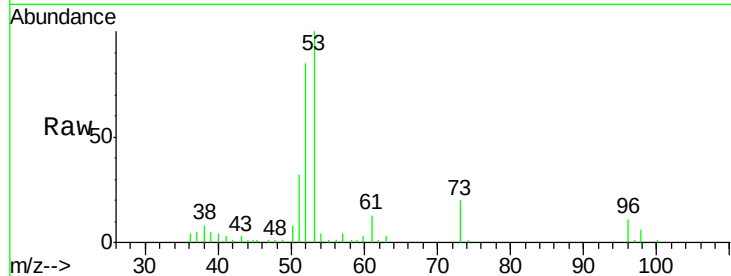
ClientSampleId :

ICVVD101320

Tot Ion:	53	Resp:	126170
Ion	Ratio	Lower	Upper
53	100		
52	81.7	65.6	98.4
51	38.1	30.8	46.2

Manual Integrations
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MMDadoda
10/14/2020 2:10:17 PM



#16

Acetone

Concen: 258.108 ug/l

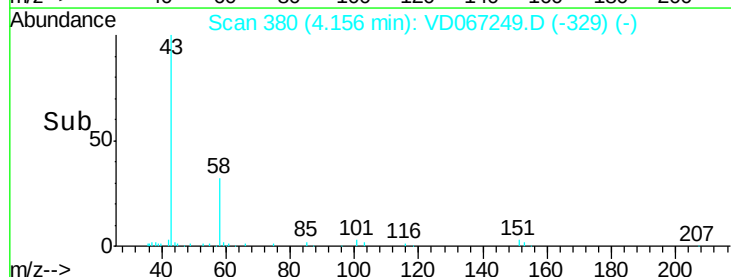
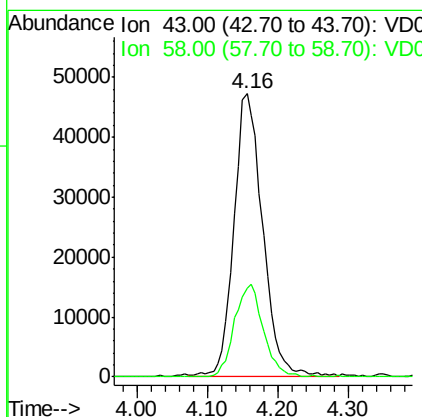
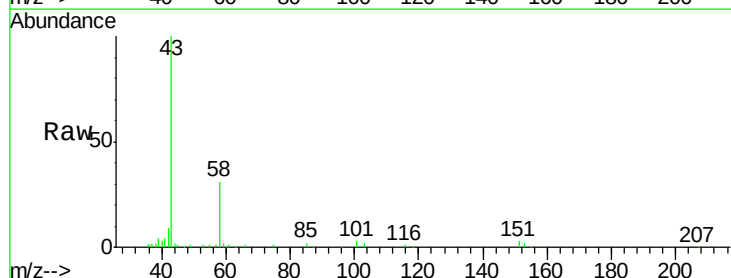
RT: 4.16 min Scan# 380

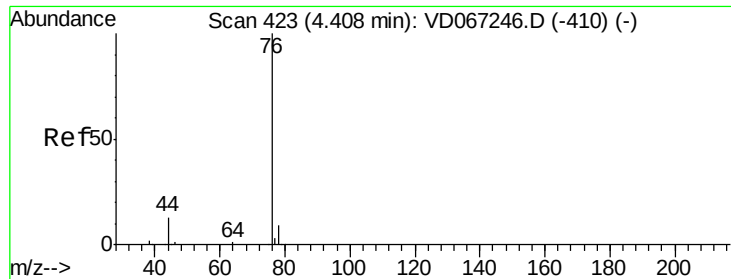
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion:	43	Resp:	134657
Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.1	39.1





#17

Carbon Disulfide

Concen: 48.068 ug/l

RT: 4.41 min Scan# 423

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 76 Resp: 420518

Ion Ratio Lower Upper

76 100

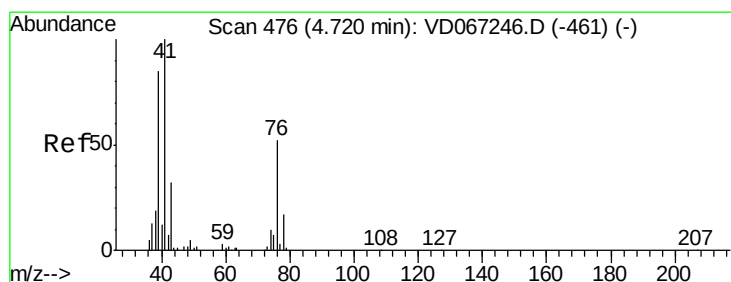
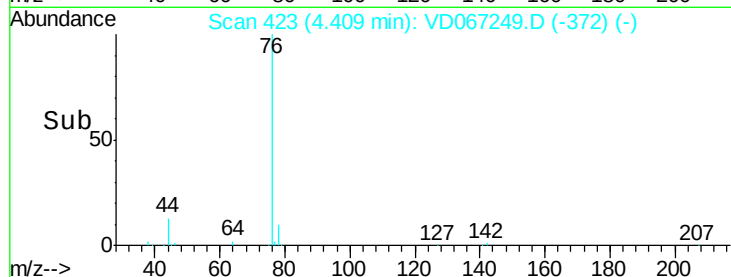
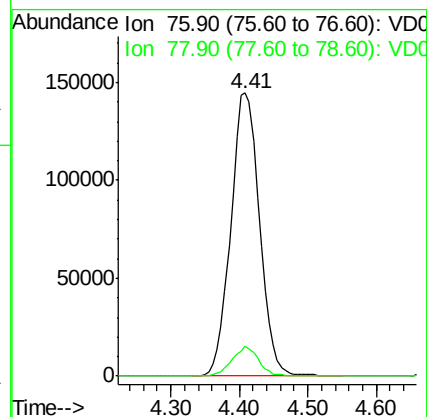
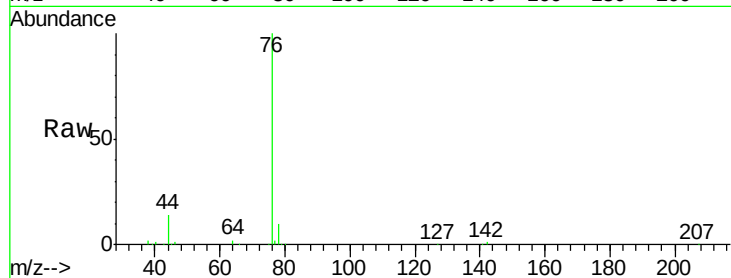
78 10.4 7.4 11.0

Manual Integrations

APPROVED

MMDadoda

10/14/2020 2:10:17 PM



#18

Methyl Acetate

Concen: 47.703 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.01 min

Lab File: VD067249.D

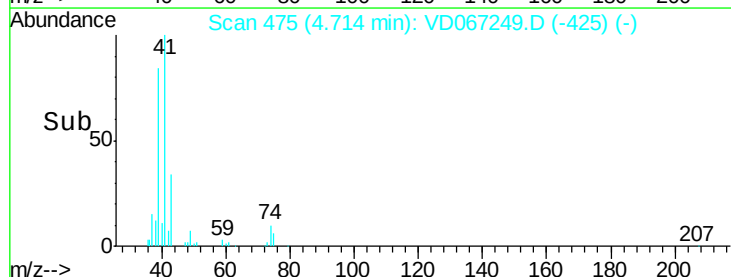
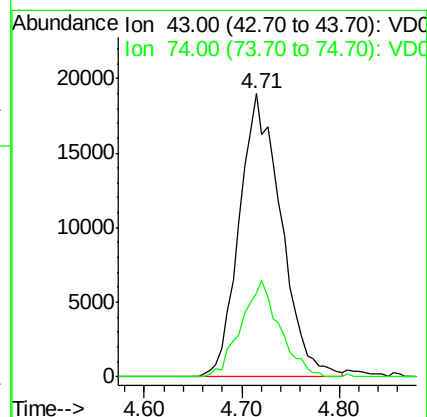
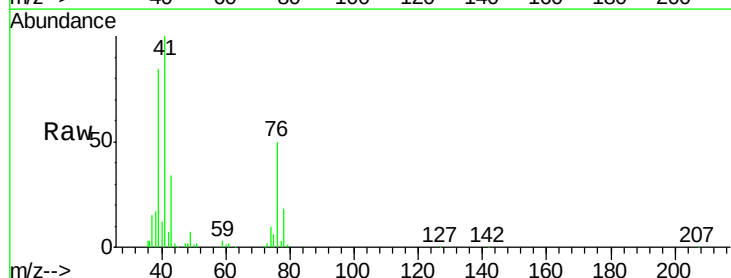
Acq: 13 Oct 2020 13:38

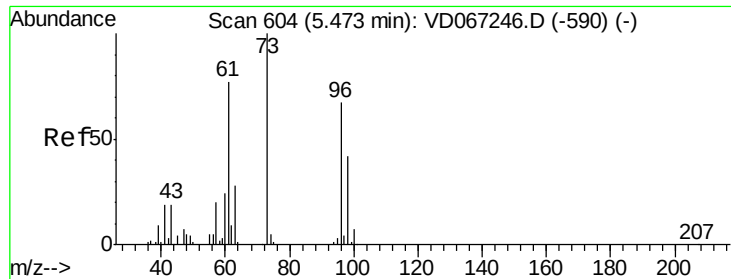
Tgt Ion: 43 Resp: 56764

Ion Ratio Lower Upper

43 100

74 31.4 26.6 39.8





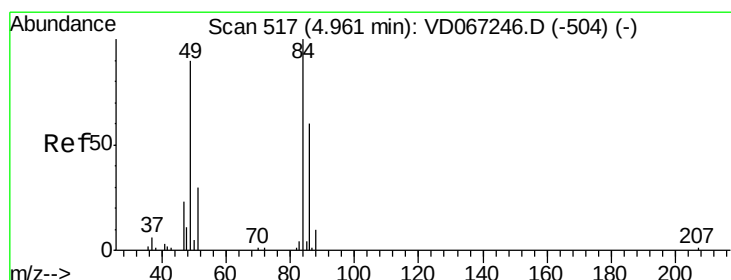
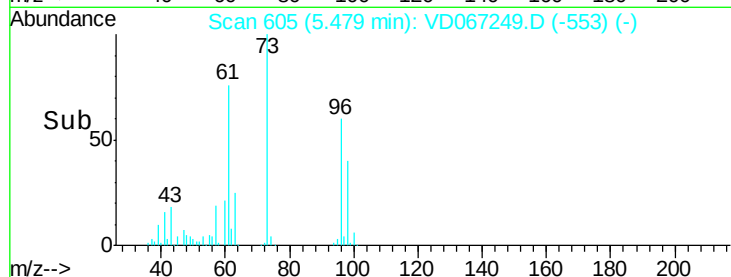
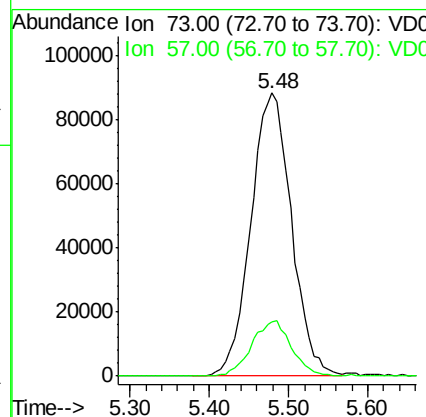
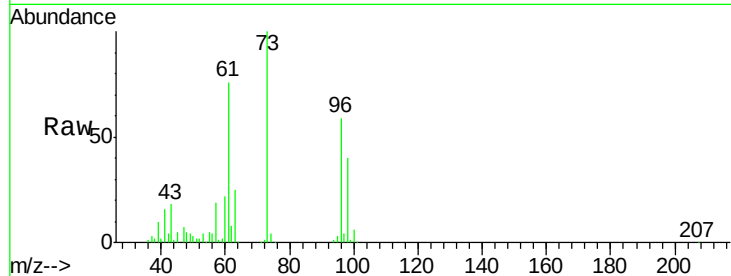
#19
Methyl tert-butyl Ether
Concen: 51.521 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion: 73 Resp: 314378
Ion Ratio Lower Upper
73 100
57 19.3 15.7 23.5

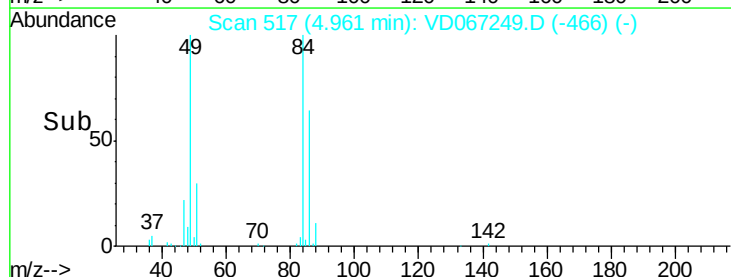
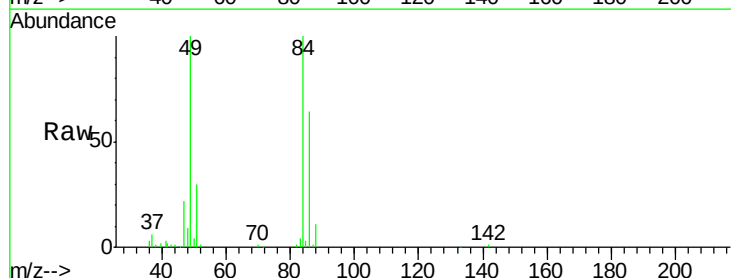
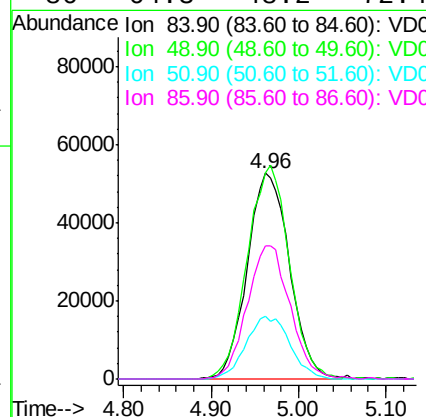
Manual Integrations
APPROVED

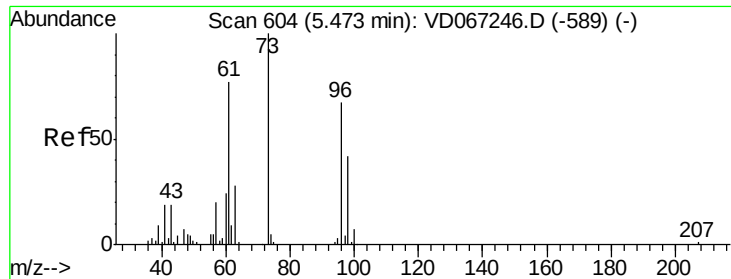
MMDadoda
10/14/2020 2:10:17 PM



#20
Methylene Chloride
Concen: 52.110 ug/l
RT: 4.96 min Scan# 517
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 84 Resp: 173509
Ion Ratio Lower Upper
84 100
49 100.3 72.2 108.2
51 30.4 23.8 35.8
86 64.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 49.047 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

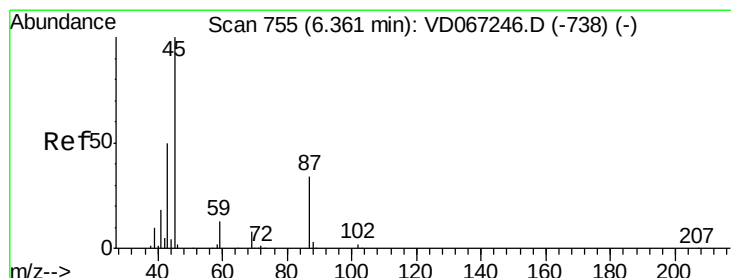
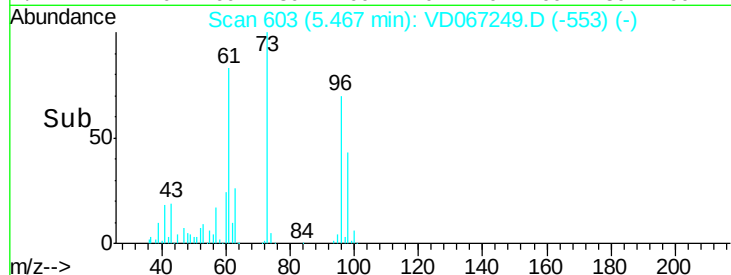
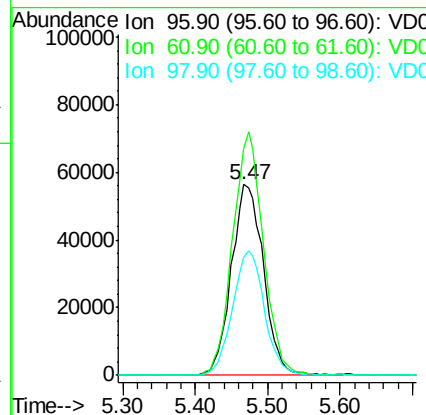
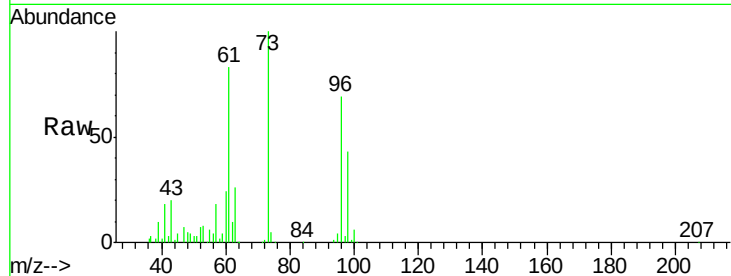
ClientSampleId :

ICVVD101320

Tot Ion:	96	Resp:	173209
Ion	Ratio	Lower	Upper
96	100		
61	119.2	92.0	138.0
98	62.2	49.8	74.8

Manual Integrations
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MMDadoda
10/14/2020 2:10:17 PM



#22

Diisopropyl ether

Concen: 51.499 ug/l

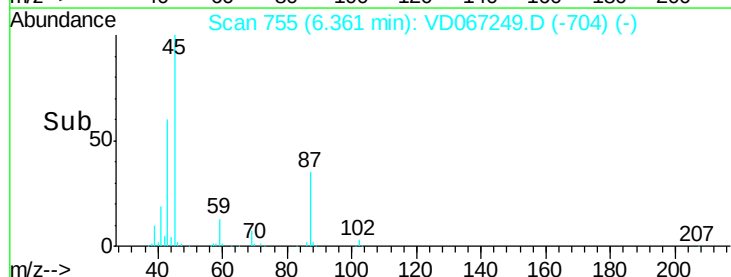
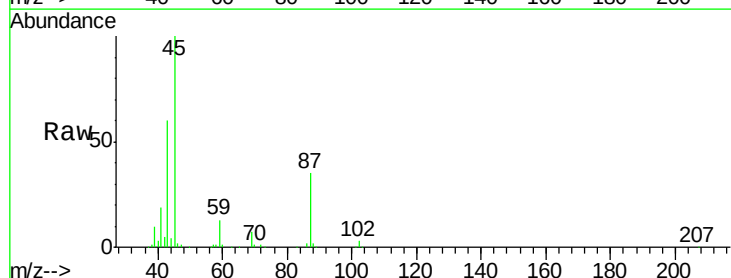
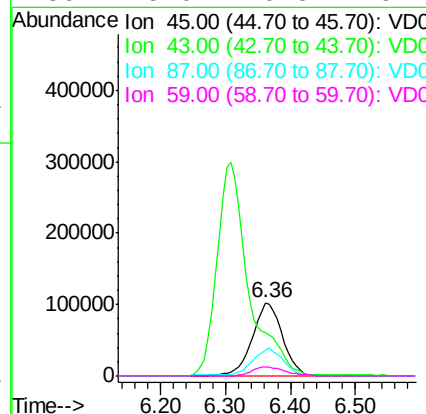
RT: 6.36 min Scan# 755

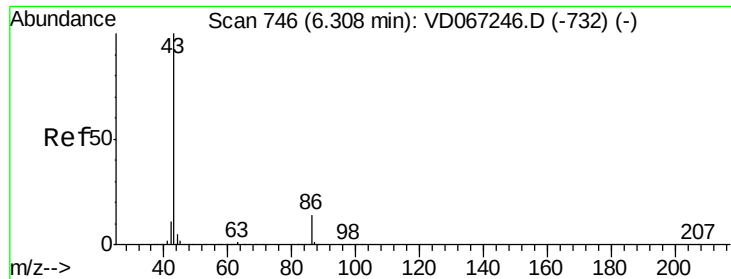
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion:	45	Resp:	330614
Ion	Ratio	Lower	Upper
45	100		
43	59.3	48.0	72.0
87	35.3	28.5	42.7
59	13.0	10.5	15.7





#23

Vinyl Acetate

Concen: 276.601 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 43 Resp: 1010245

Ion Ratio Lower Upper

43 100

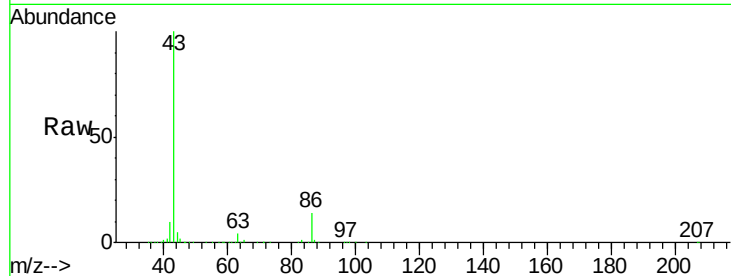
86 13.8 11.0 16.6

Manual Integrations

APPROVED

MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

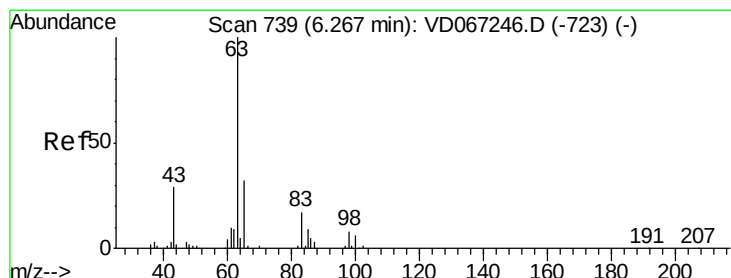
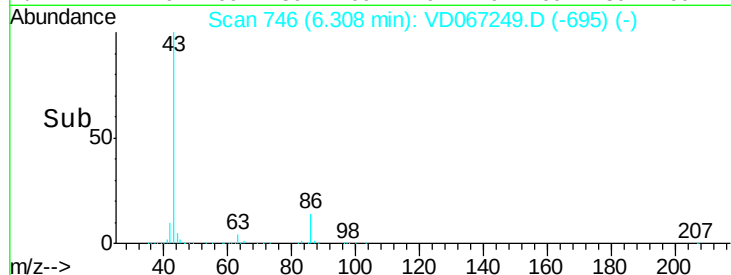
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.990 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

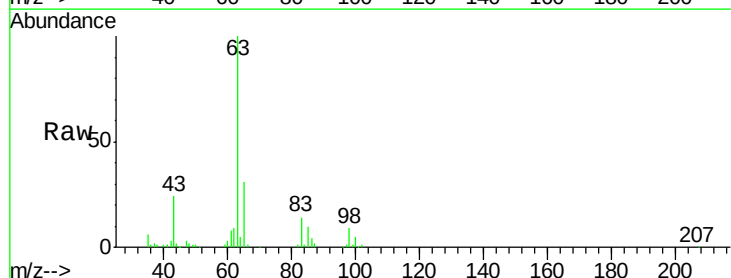
Tgt Ion: 63 Resp: 269221

Ion Ratio Lower Upper

63 100

98 8.6 4.0 12.2

100 5.4 2.8 8.4



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

6.27

120000

100000

80000

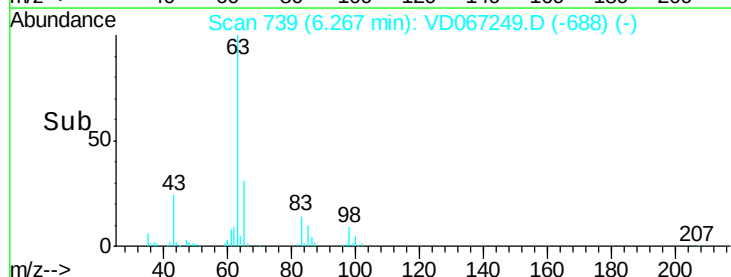
60000

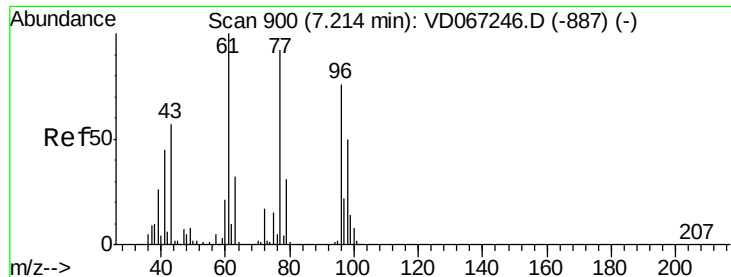
40000

20000

0

Time-->





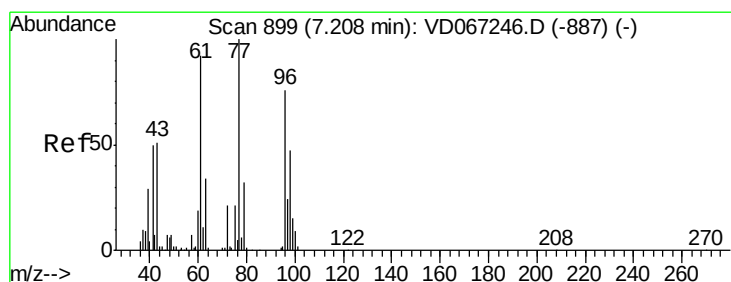
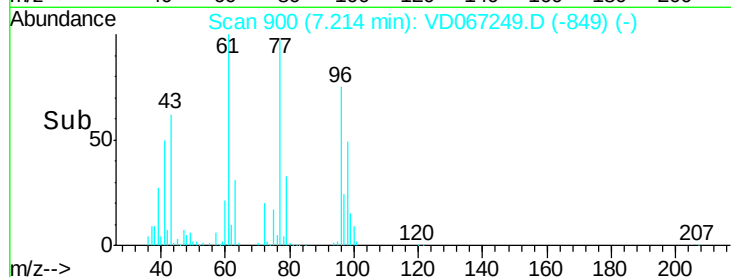
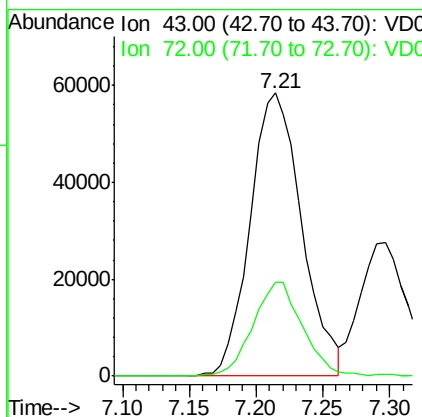
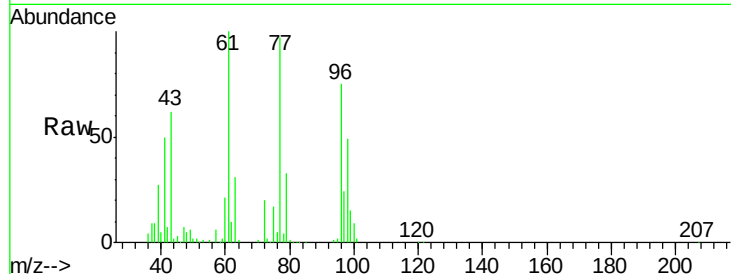
#25
2-Butanone
Concen: 263.794 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion: 43 Resp: 156877
Ion Ratio Lower Upper
43 100
72 33.1 23.7 35.5

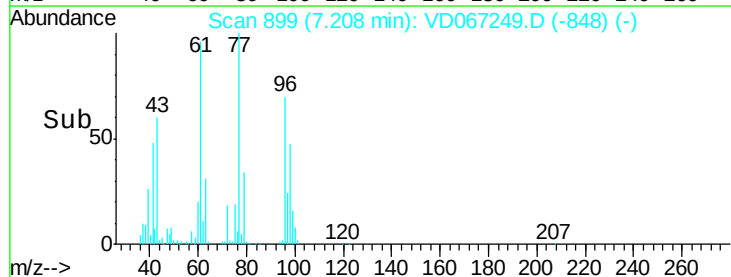
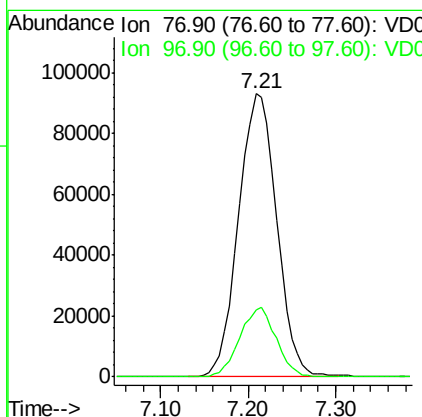
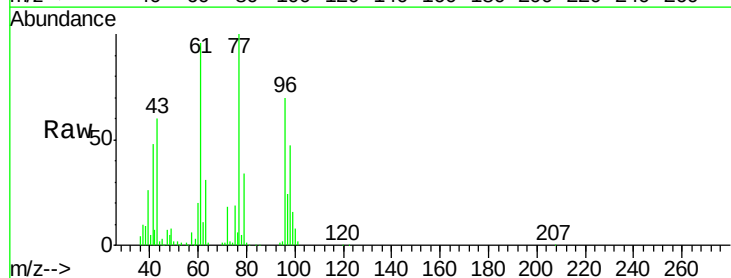
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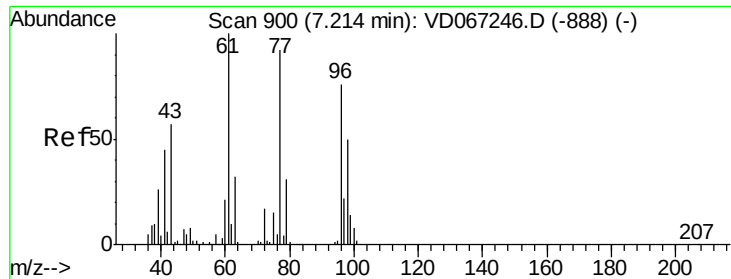
MMDadoda
10/14/2020 2:10:17 PM



#26
2,2-Dichloropropane
Concen: 48.717 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 77 Resp: 275949
Ion Ratio Lower Upper
77 100
97 23.5 11.4 34.2





#27

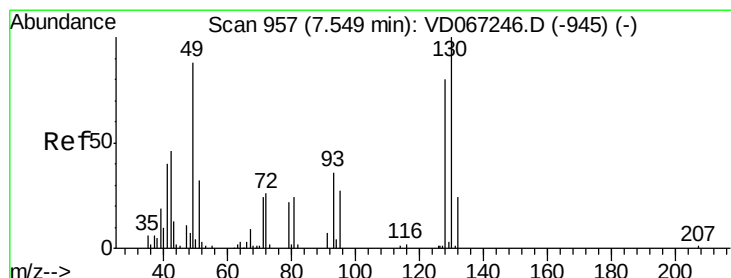
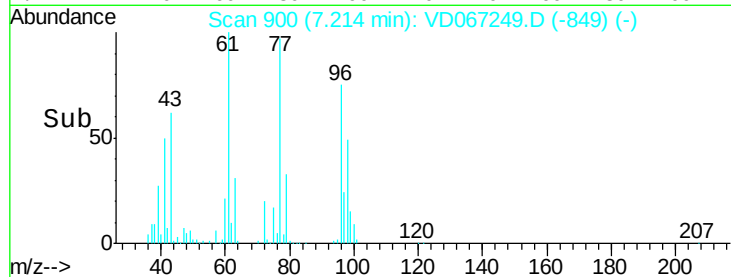
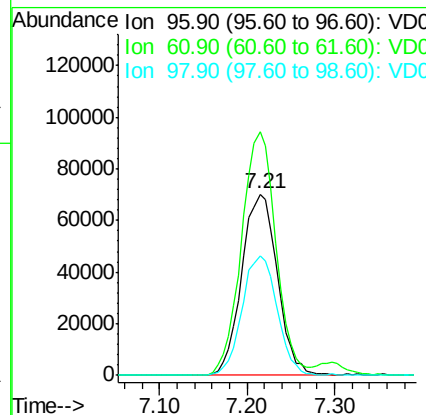
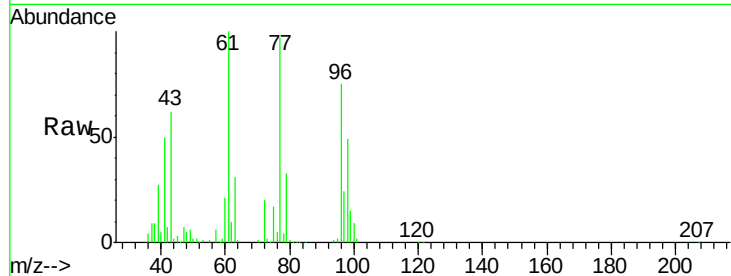
cis-1,2-Dichloroethene
Concen: 50.255 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	129.7	0.0	255.4	
98	64.5	0.0	128.0	

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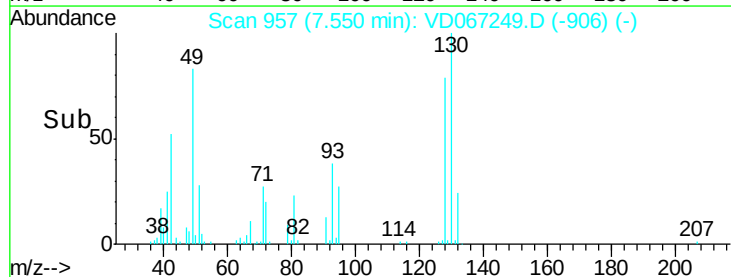
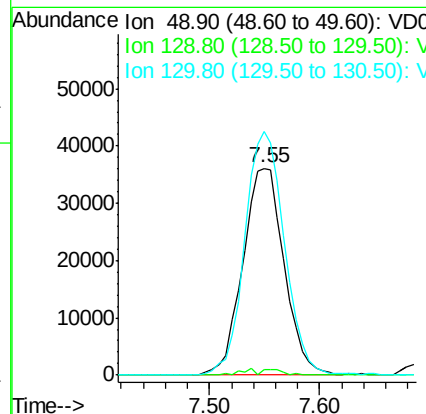
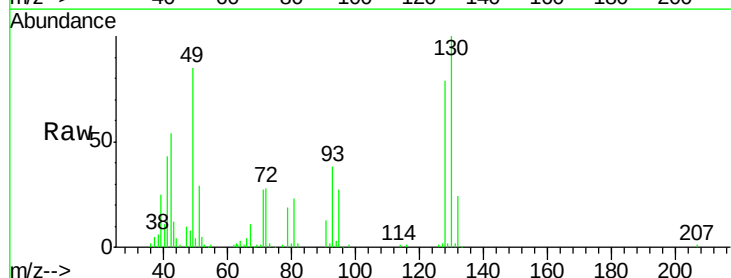
MMDadoda
10/14/2020 2:10:17 PM

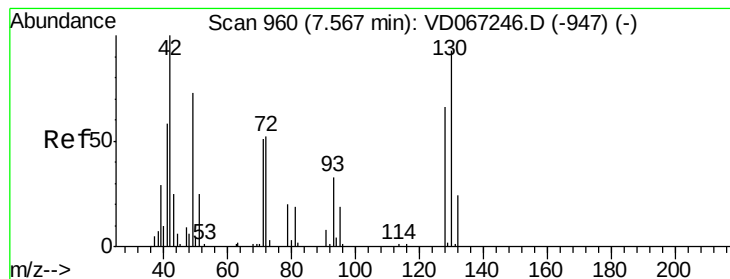


#28

Bromochloromethane
Concen: 50.723 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.4	0.0	1.6	
130	112.9	91.0	136.6	





#29

Tetrahydrofuran

Concen: 255.261 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

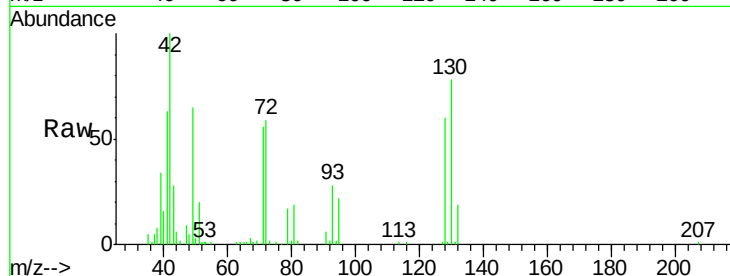
ClientSampleId :

ICVVD101320

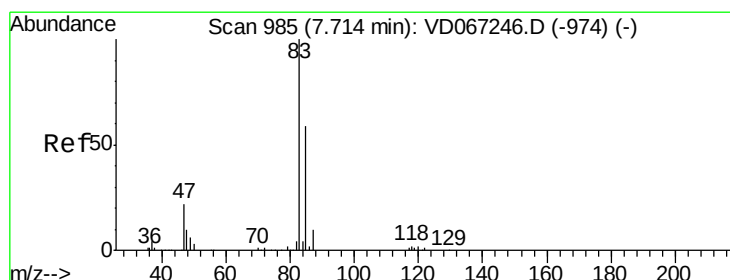
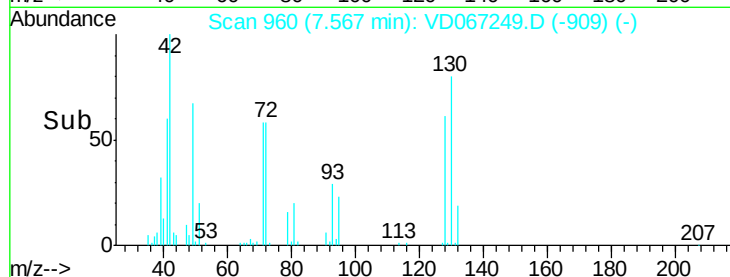
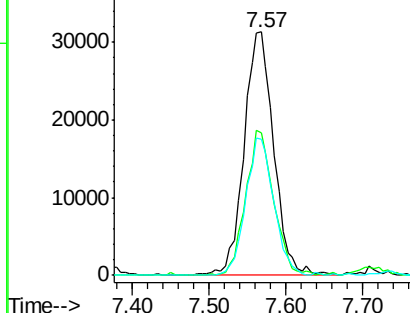
Tot Ion:	42	Resp:	84384
Ion	Ratio	Lower	Upper
42	100		
72	56.4	43.2	64.8
71	53.4	39.4	59.0

Manual Integrations
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Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 48.051 ug/l

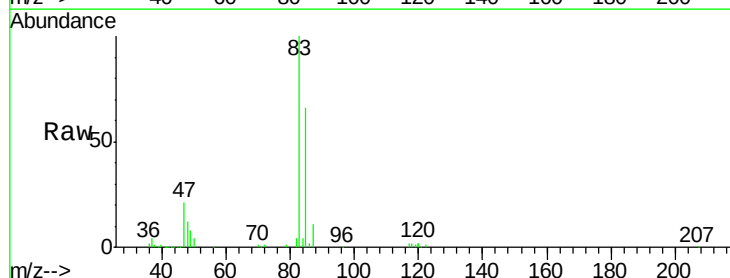
RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

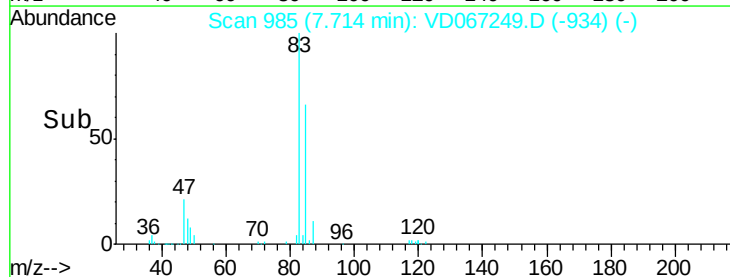
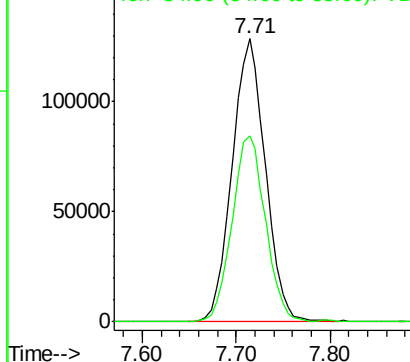
Lab File: VD067249.D

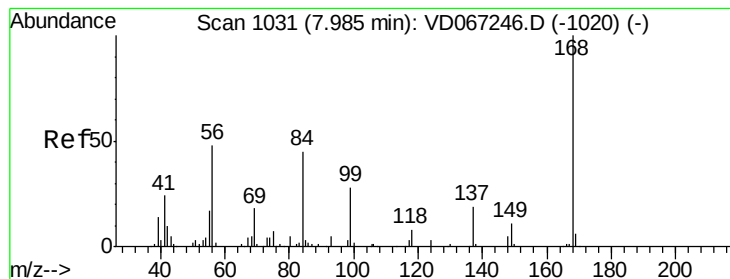
Acq: 13 Oct 2020 13:38

Tgt Ion:	83	Resp:	315446
Ion	Ratio	Lower	Upper
83	100		
85	65.6	47.3	70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 48.164 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

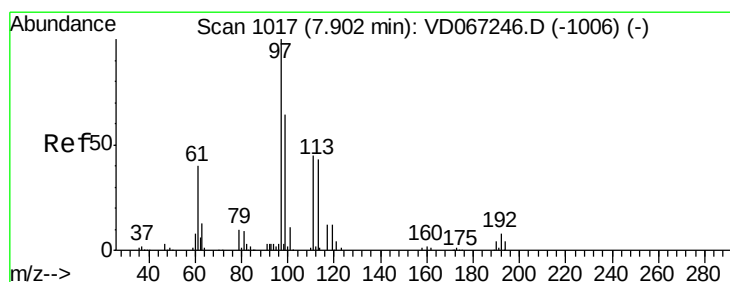
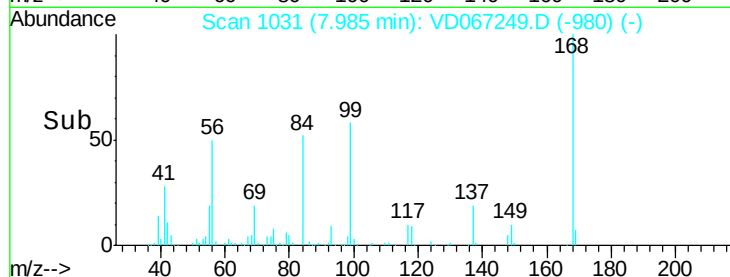
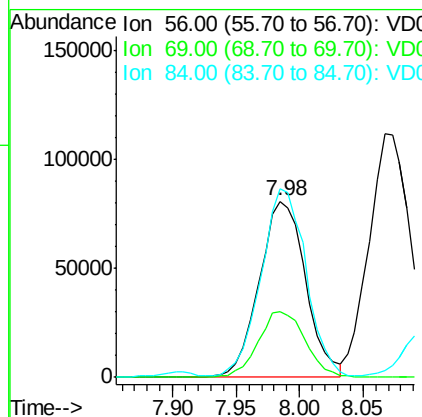
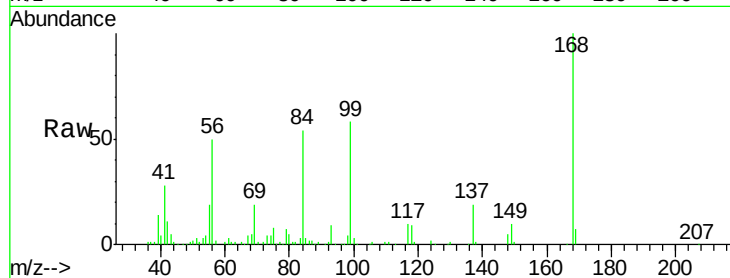
ClientSampleId :

ICVVD101320

Tot Ion	56	Resp	206653
Ion Ratio	Lower	Upper	
56	100		
69	37.1	29.8	44.6
84	104.6	76.6	114.8

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.735 ug/l

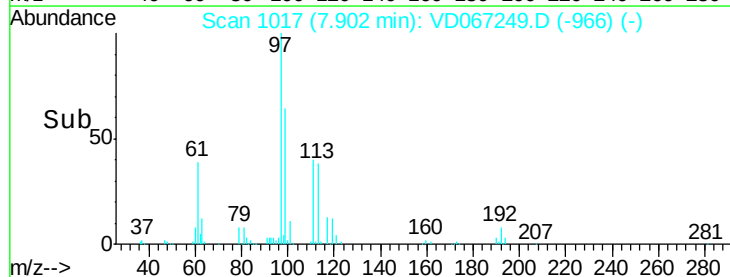
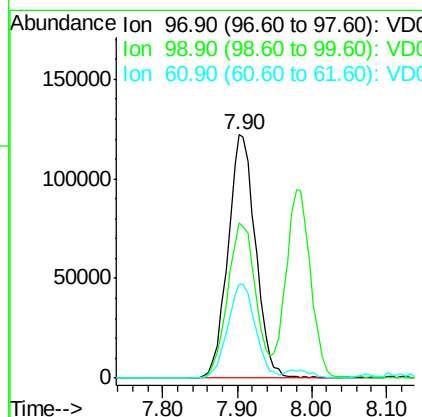
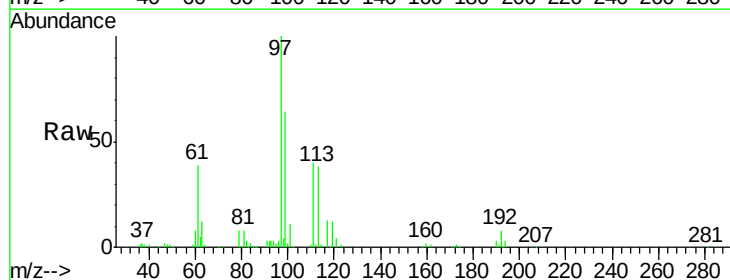
RT: 7.90 min Scan# 1017

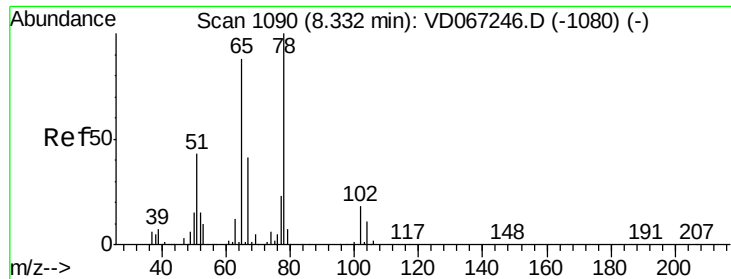
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion	97	Resp	313908
Ion Ratio	Lower	Upper	
97	100		
99	64.4	50.2	75.4
61	38.9	30.5	45.7





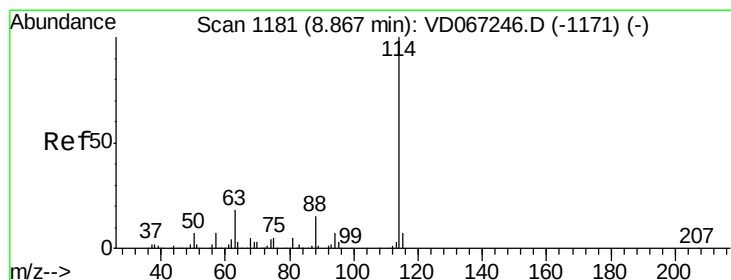
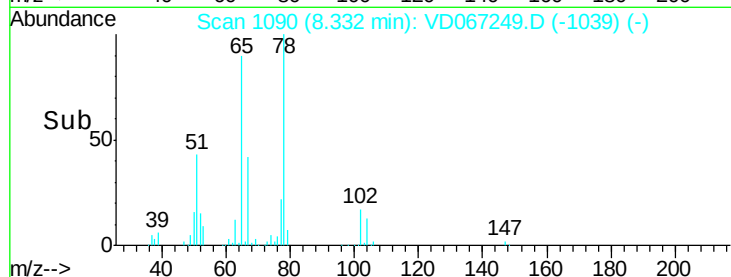
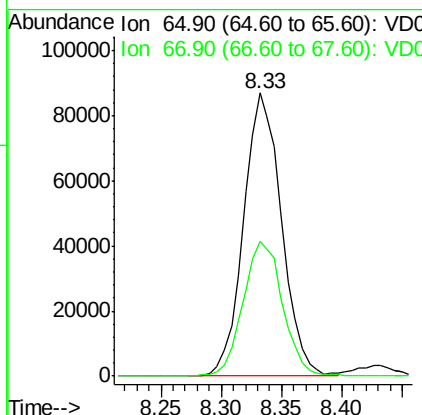
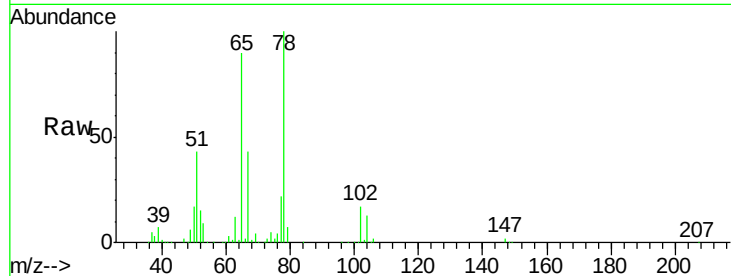
#33
 1,2-Dichloroethane-d4
 Concen: 51.210 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion	Ratio	Resp	Lower	Upper
65	100	190767		
67	49.7	0.0	103.8	

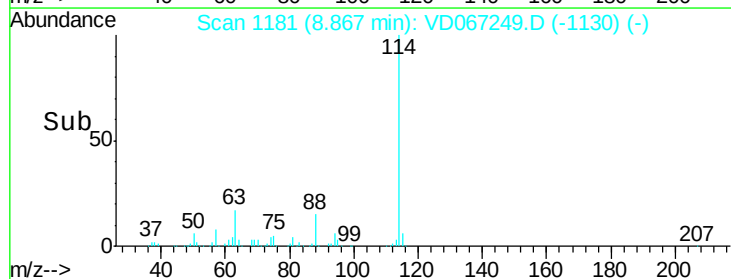
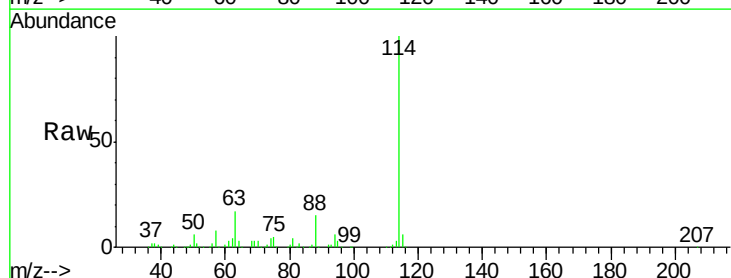
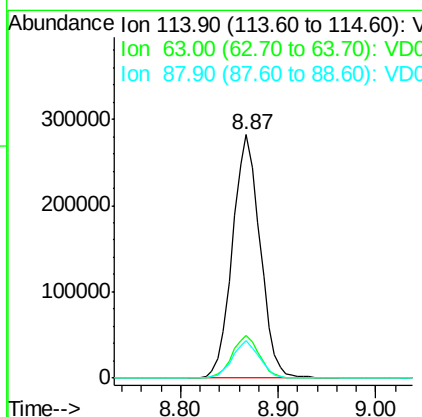
Manual Integrations
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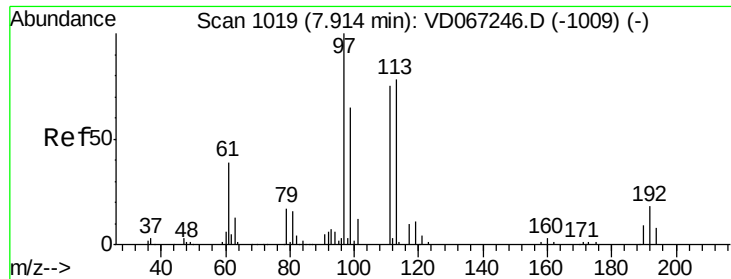
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	556733		
63	17.4	0.0	35.0	
88	15.4	0.0	30.6	





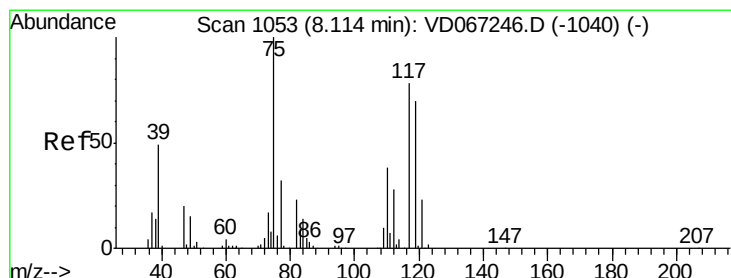
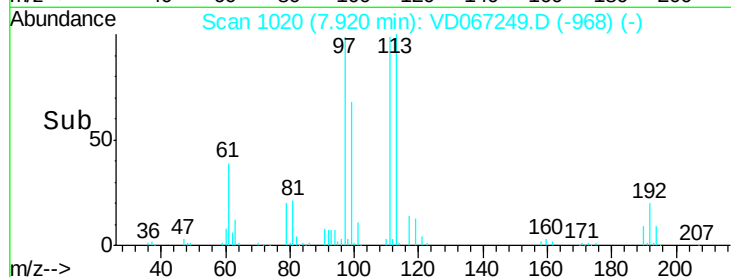
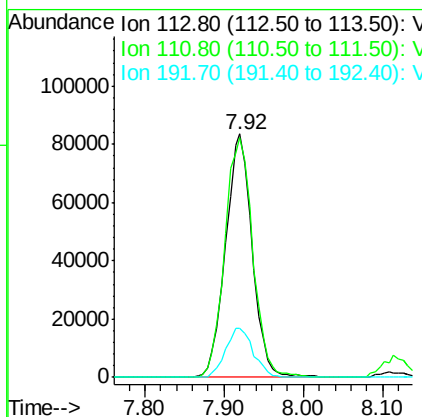
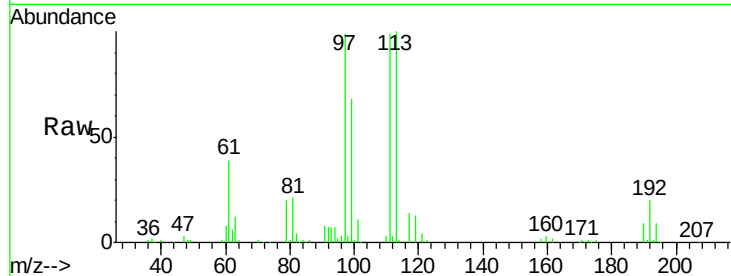
#35
 Dibromofluoromethane
 Concen: 52.461 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion	Ratio	Resp	Lower	Upper
113	100	194371		
111	103.2	81.6	122.4	
192	20.8	17.0	25.4	

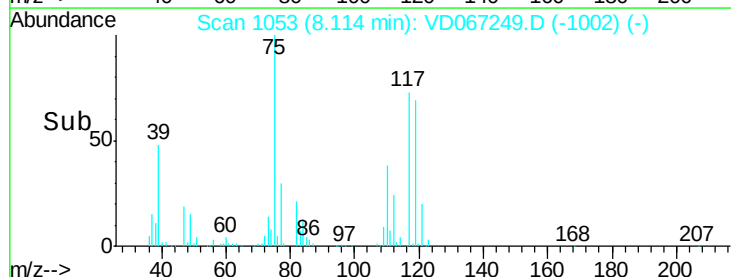
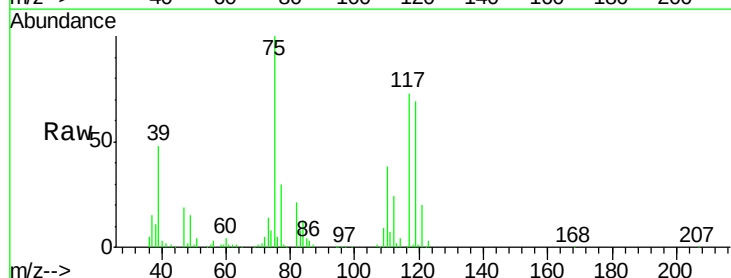
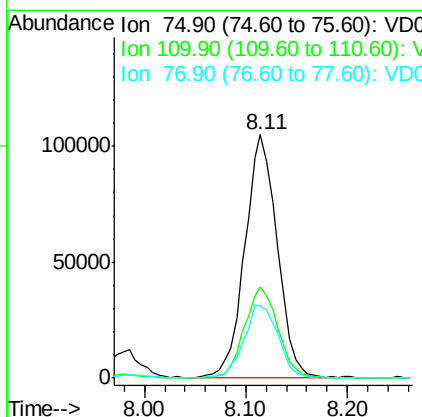
Manual Integrations
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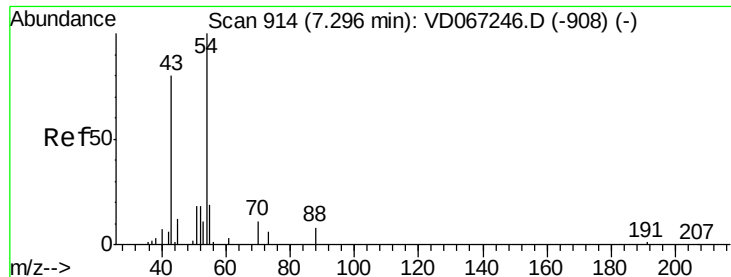
MMDadoda
 10/14/2020 2:10:17 PM



#36
 1,1-Dichloropropene
 Concen: 49.307 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	232665		
110	39.0	19.6	58.7	
77	31.8	24.6	37.0	





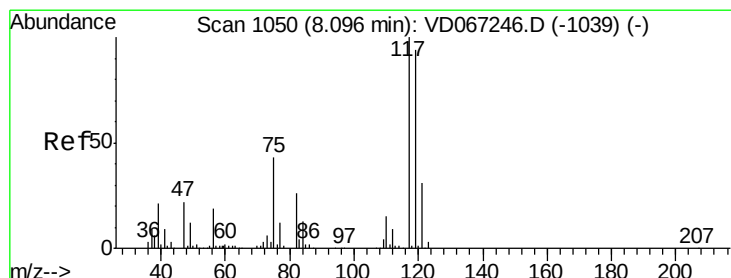
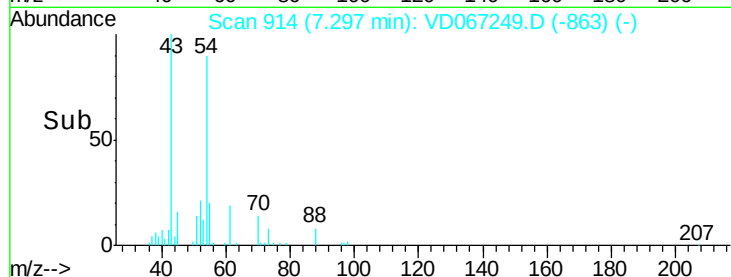
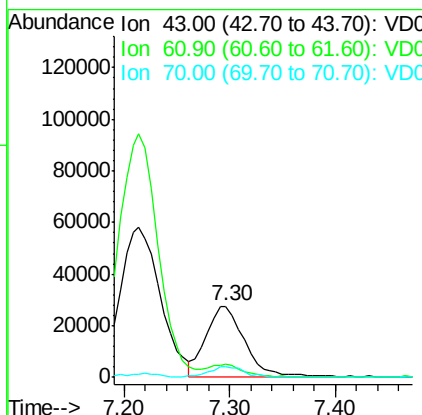
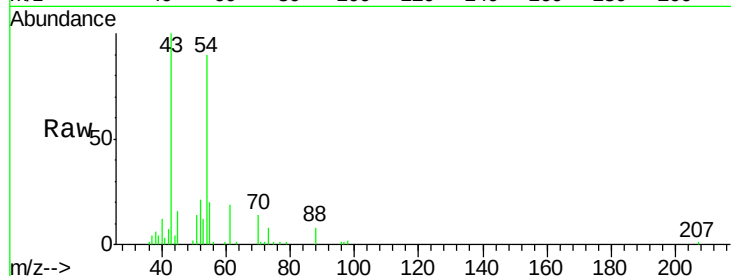
#37
Ethyl Acetate
Concen: 49.949 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.5	15.6	23.4
70	14.0	10.4	15.6

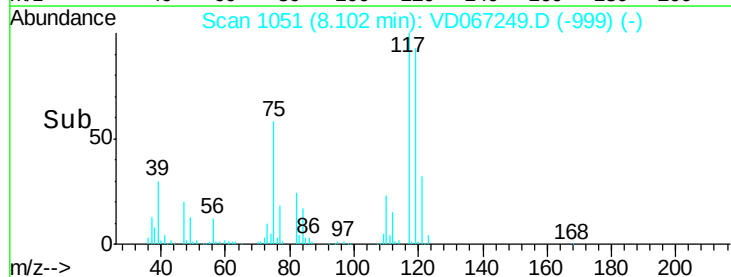
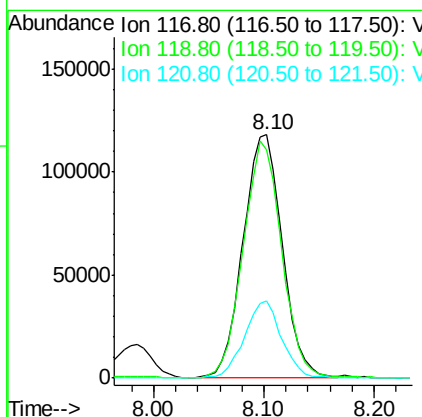
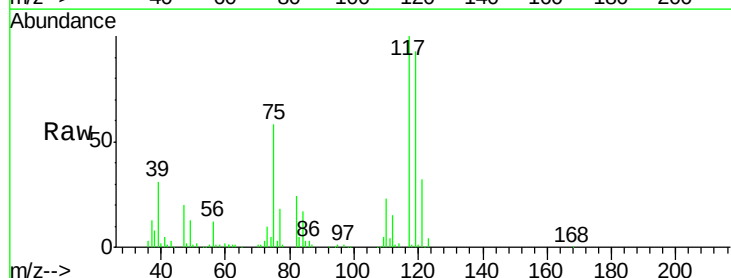
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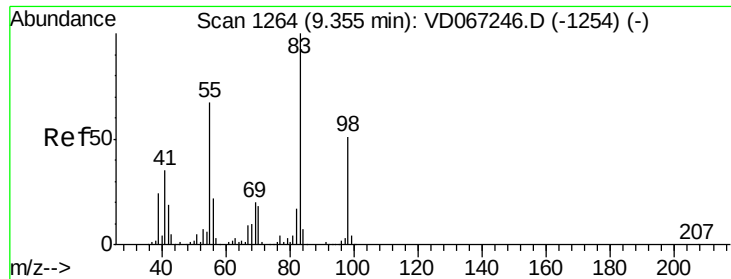
MMDadoda
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#38
Carbon Tetrachloride
Concen: 48.711 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
119	93.7	75.0	112.4
121	31.8	24.9	37.3





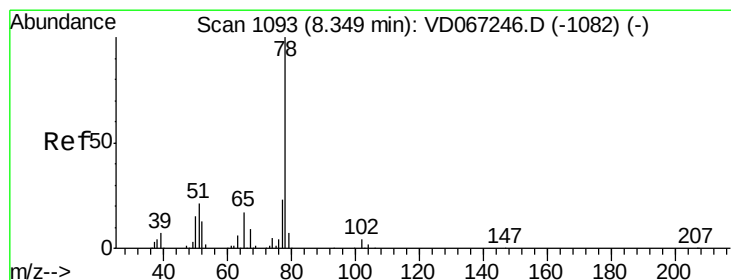
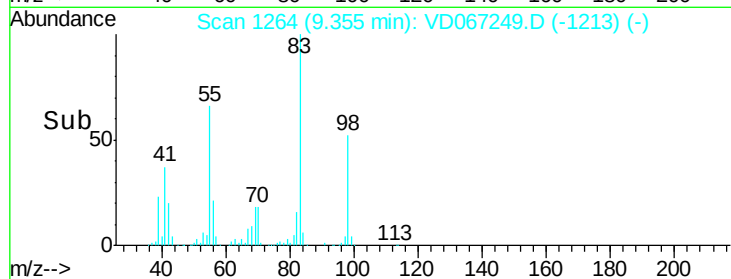
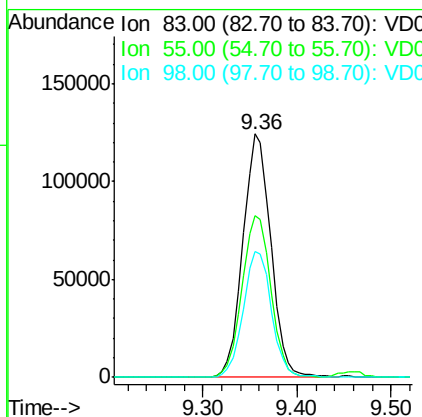
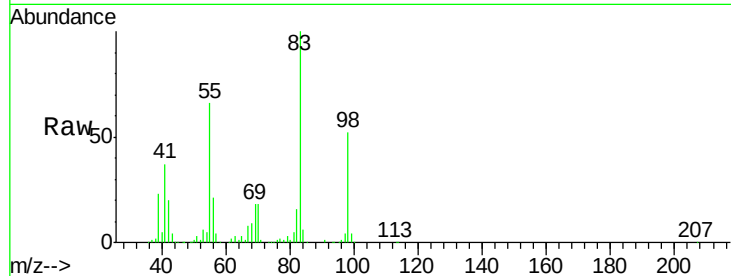
#39
Methylvlcyclohexane
Concen: 52.041 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Resp	Lower	Upper
83	100	256722		
55	66.4		53.3	79.9
98	51.9		41.0	61.4

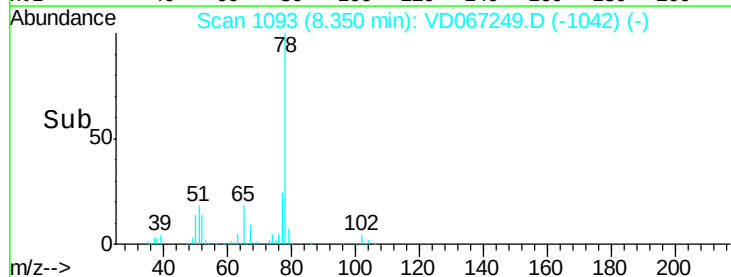
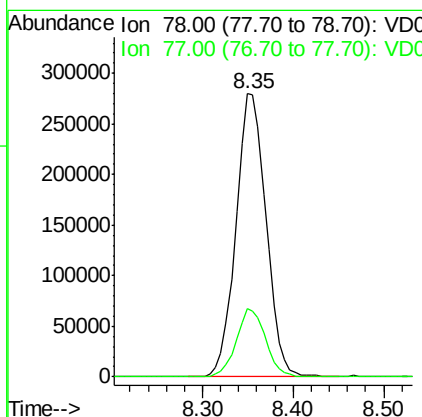
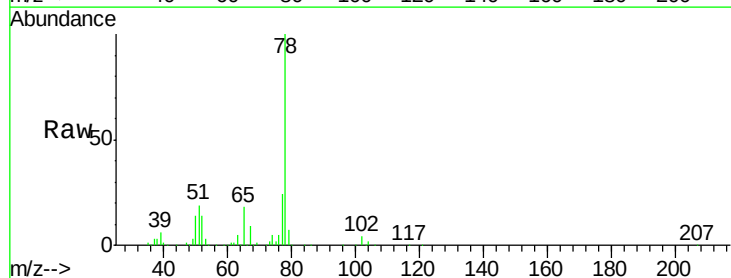
Manual Integrations
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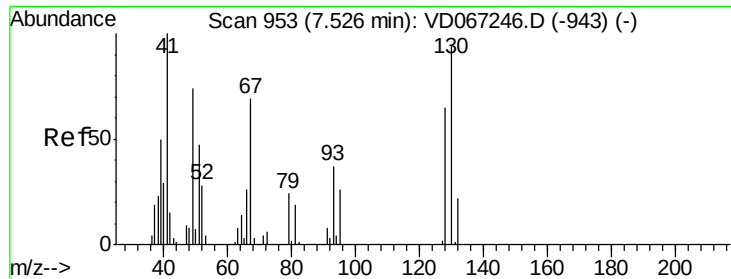
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#40
Benzene
Concen: 50.004 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	647308		
77	24.2		18.3	27.5





#41

Methacrylonitrile

Concen: 44.195 ug/l

RT: 7.53 min Scan# 953

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 41 Resp: 33156

Ion Ratio Lower Upper

41 100

39 44.5 60.0 90.0#

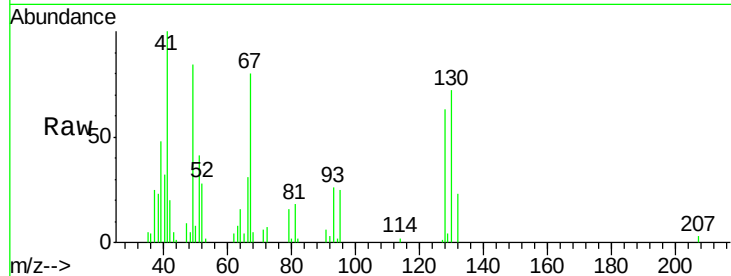
67 111.0 88.9 133.3

52 43.9 36.9 55.3

Manual Integrations
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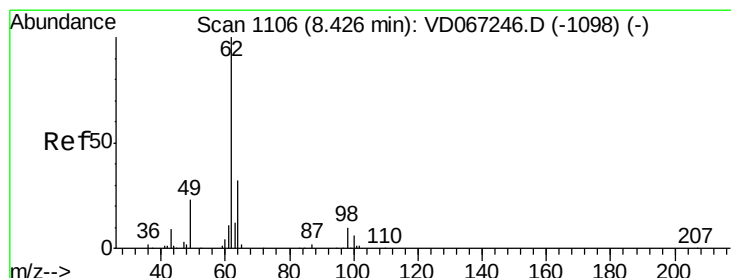
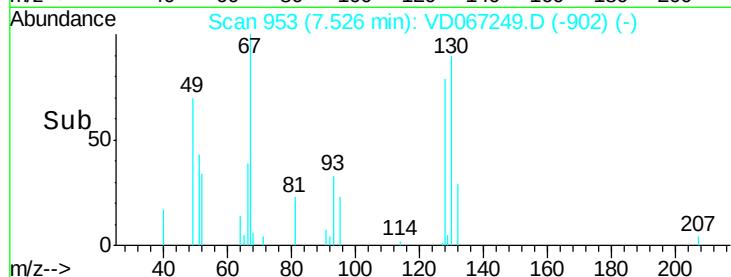
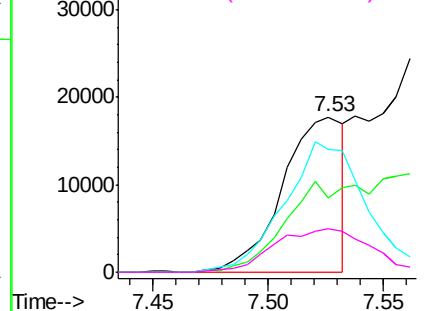


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 49.739 ug/l

RT: 8.42 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD067249.D

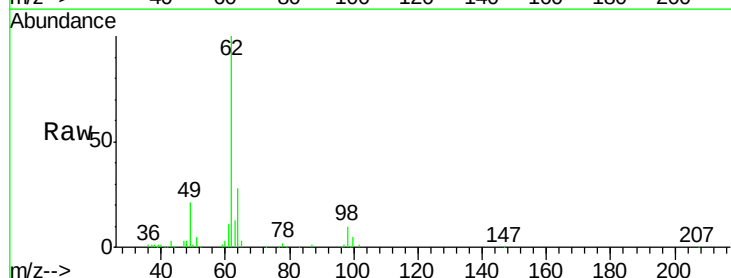
Acq: 13 Oct 2020 13:38

Tgt Ion: 62 Resp: 201500

Ion Ratio Lower Upper

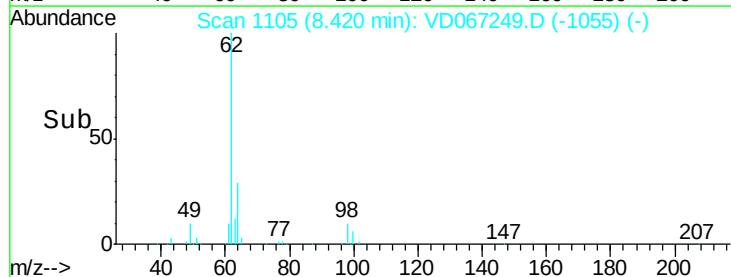
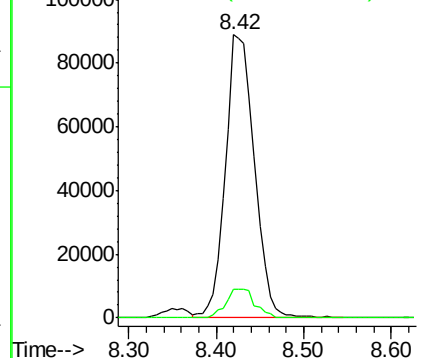
62 100

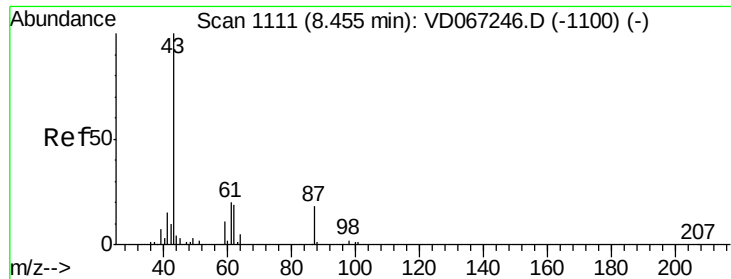
98 10.1 0.0 19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





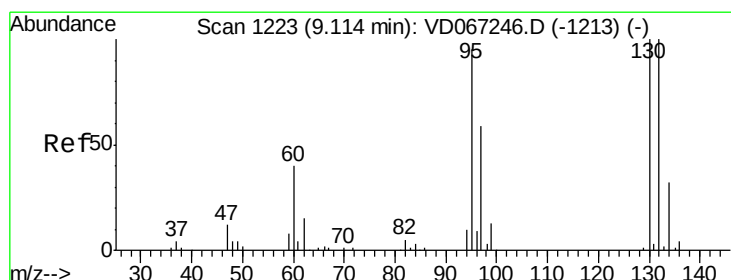
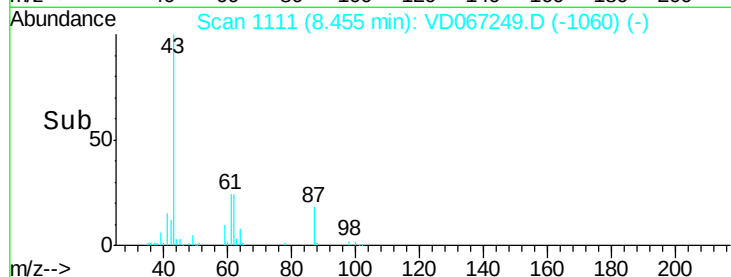
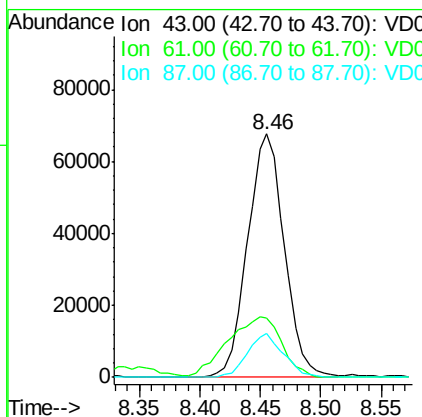
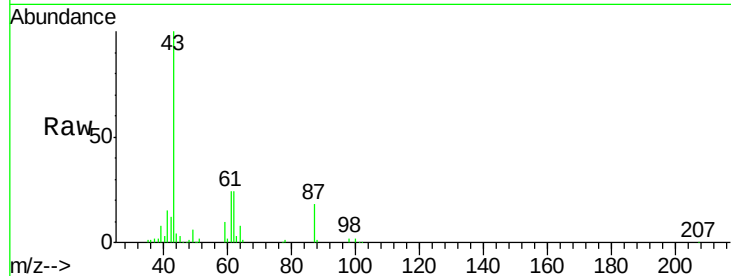
#43
Isopropyl Acetate
Concen: 52.032 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.6	29.5	44.3
87	17.6	14.2	21.4

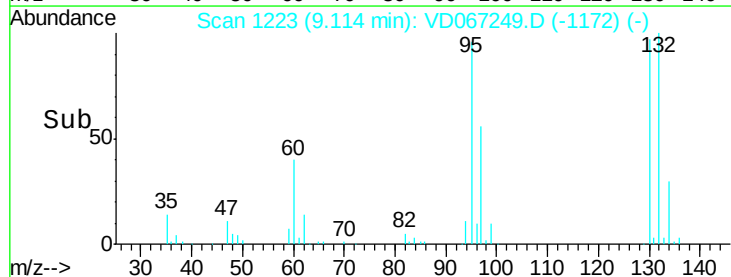
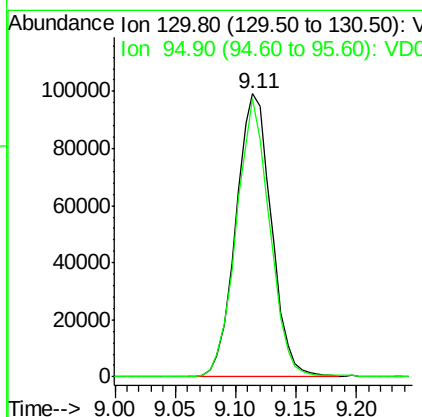
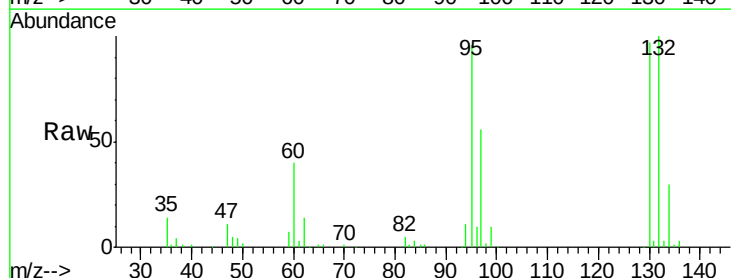
Manual Integrations
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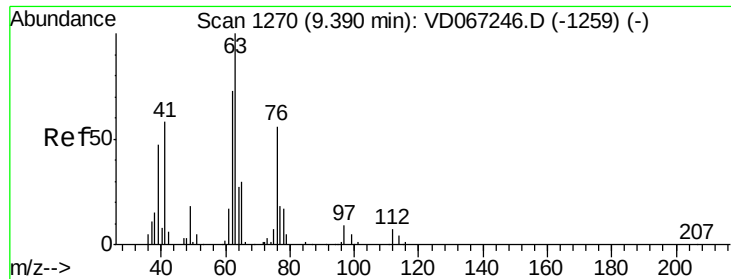
MMDadoda
10/14/2020 2:10:17 PM



#44
Trichloroethene
Concen: 49.174 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	190.6





#45

1,2-Dichloropropane

Concen: 49.543 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 63 Resp: 148637

Ion Ratio Lower Upper

63 100

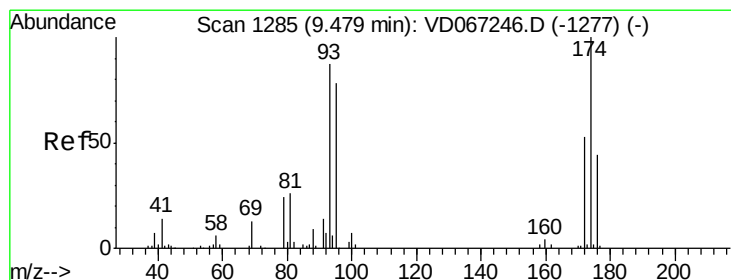
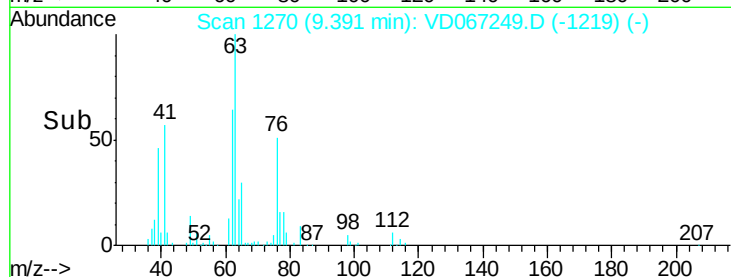
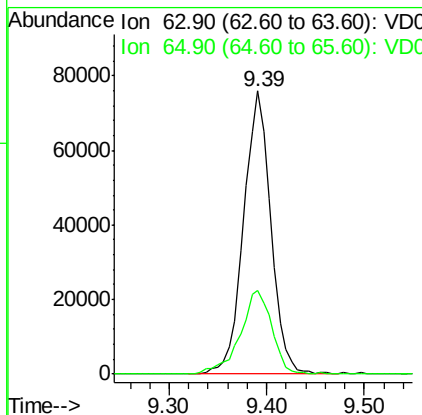
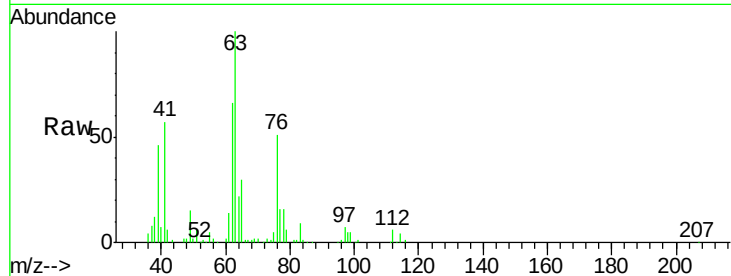
65 29.7 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 49.646 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

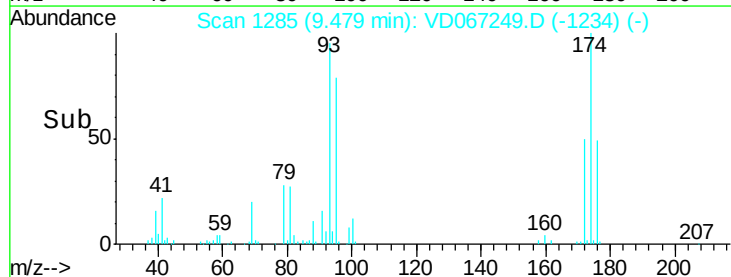
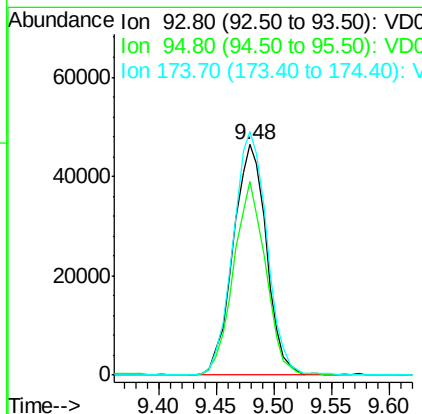
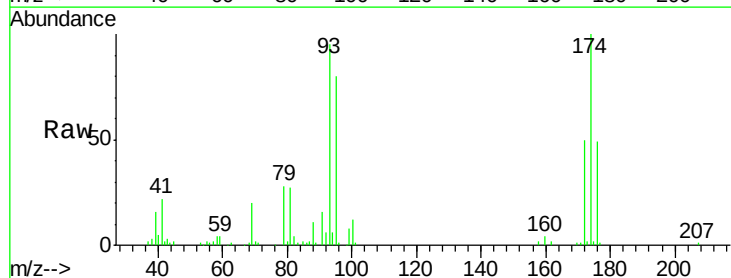
Tgt Ion: 93 Resp: 92801

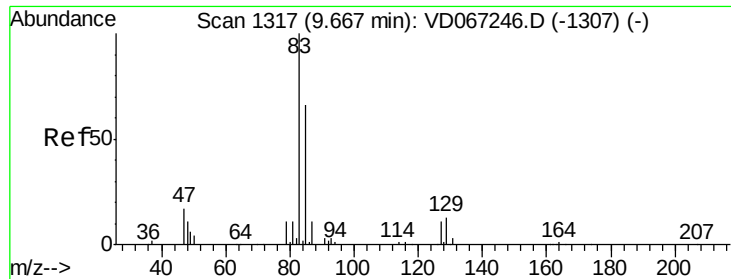
Ion Ratio Lower Upper

93 100

95 80.9 68.0 102.0

174 107.4 91.8 137.6





#47

Bromodichloromethane

Concen: 48.716 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

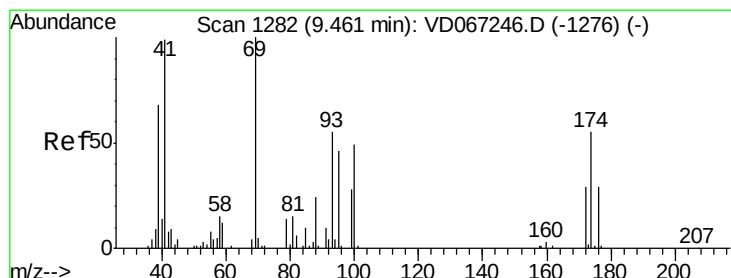
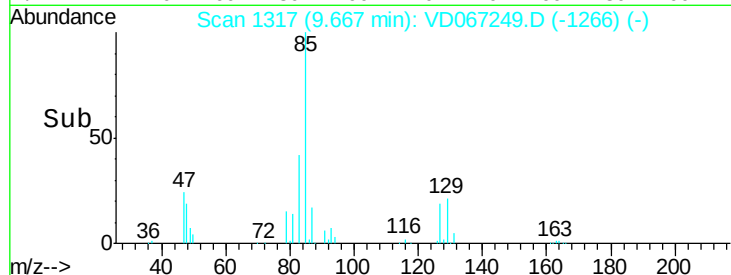
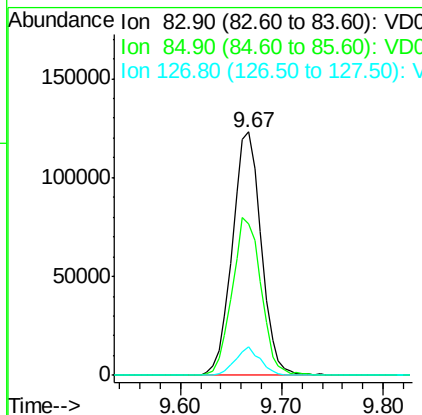
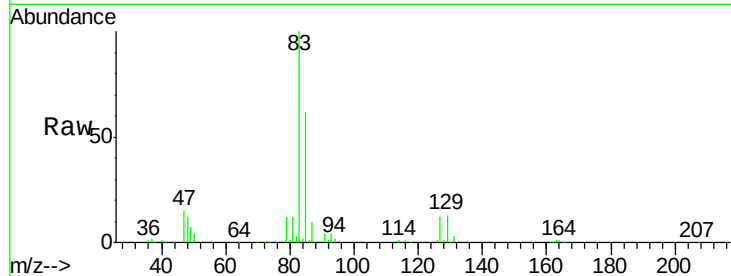
ClientSampleId :

ICVVD101320

Tot Ion:	83	Resp:	243977
Ion	Ratio	Lower	Upper
83	100		
85	62.1	53.1	79.7
127	11.5	8.6	13.0

Manual Integrations
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#48

Methyl methacrylate

Concen: 50.603 ug/l

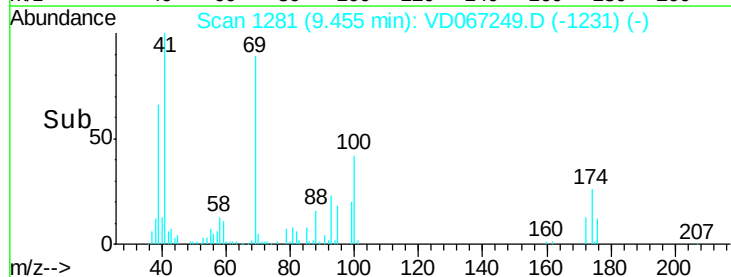
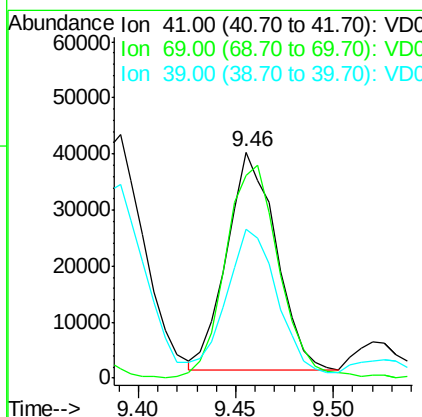
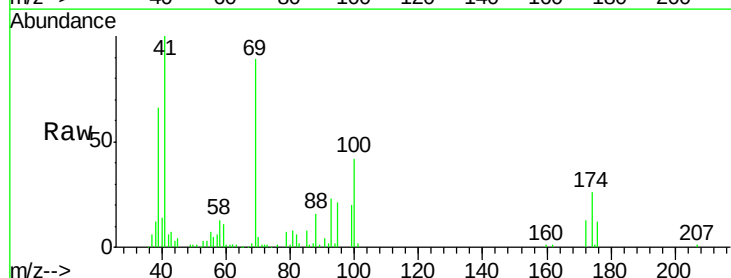
RT: 9.46 min Scan# 1281

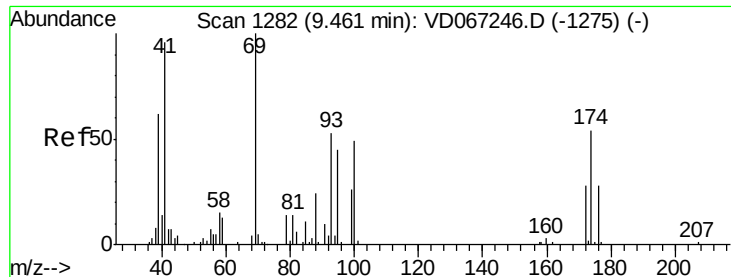
Delta R.T. -0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion:	41	Resp:	67744
Ion	Ratio	Lower	Upper
41	100		
69	107.6	89.0	133.6
39	66.5	60.2	90.2





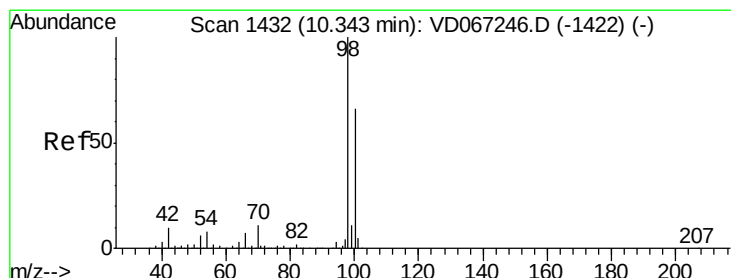
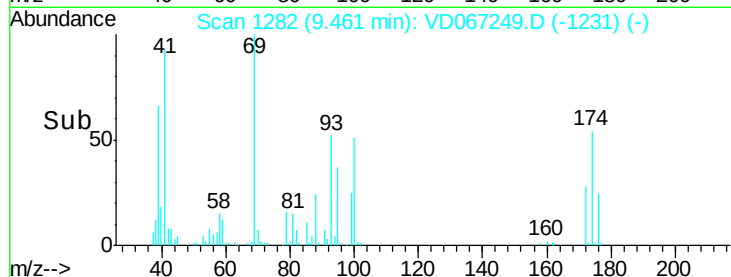
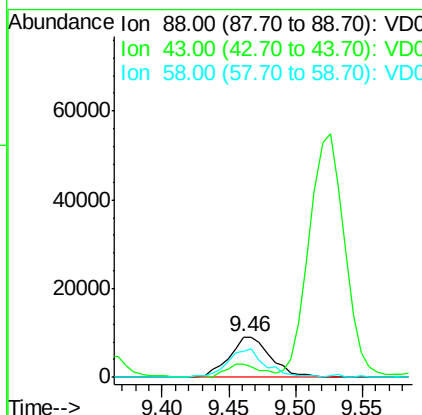
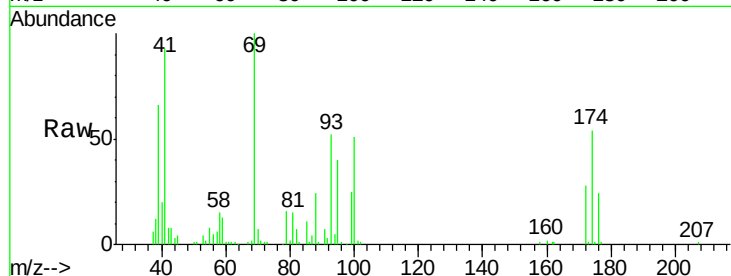
#49
1,4-Dioxane
Concen: 1076.040 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
88	100		
43	29.8	23.9	35.9
58	65.5	51.0	76.6

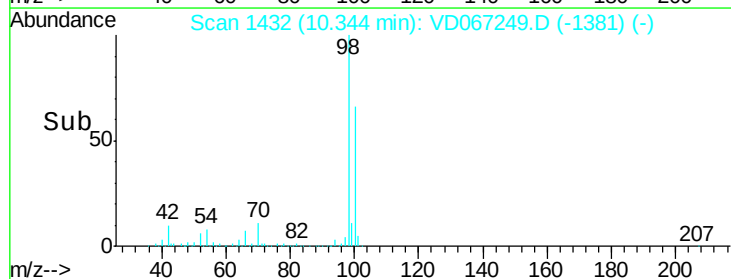
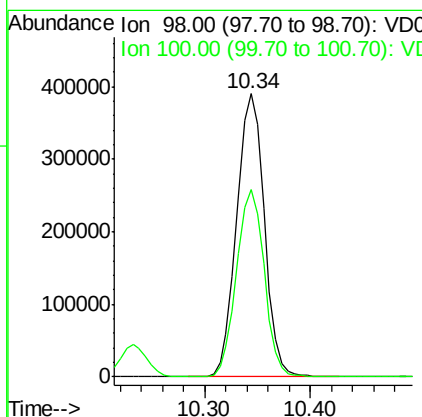
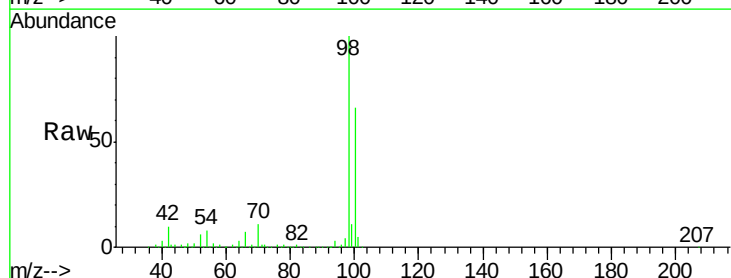
Manual Integrations
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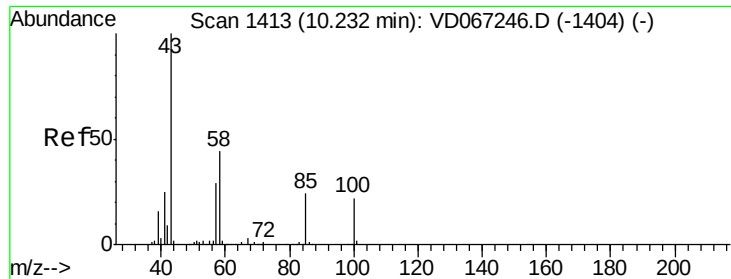
MMDadoda
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#50
Toluene-d8
Concen: 52.886 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7





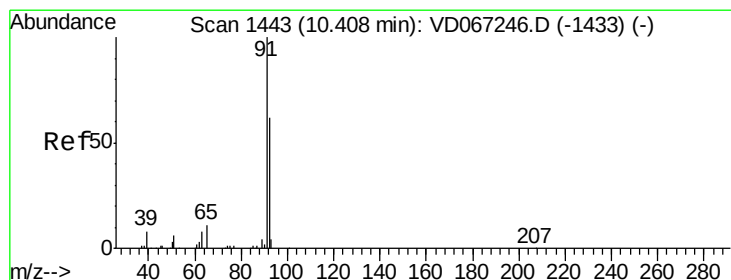
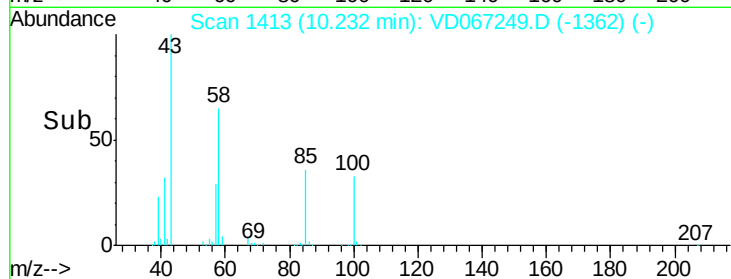
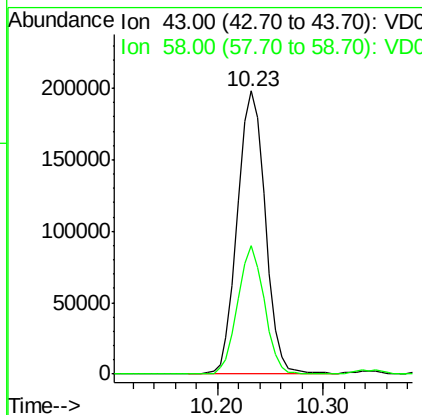
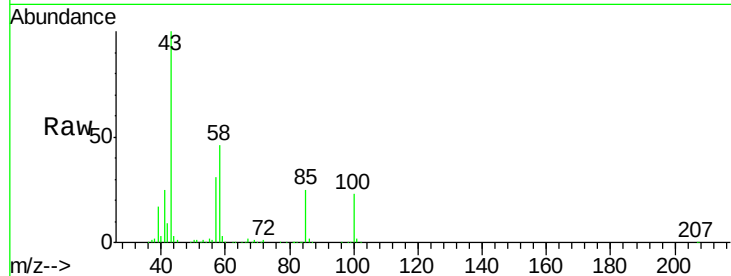
#51
4-Methyl-2-Pentanone
Concen: 263.733 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion: 43 Resp: 362371
Ion Ratio Lower Upper
43 100
58 43.6 35.7 53.5

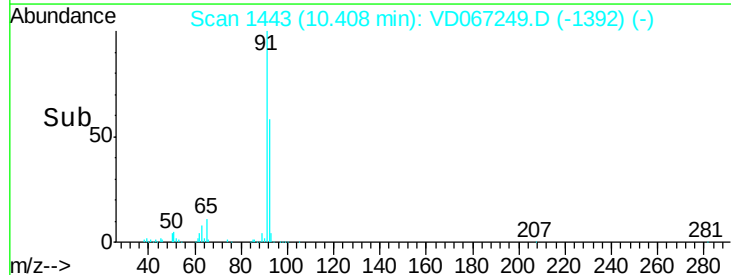
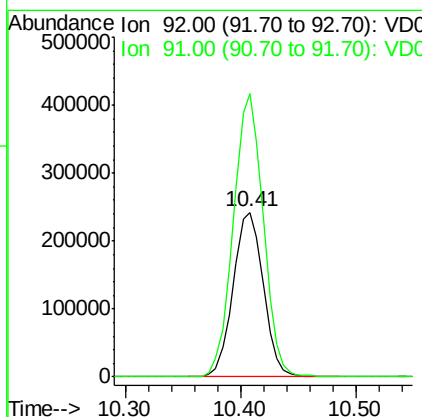
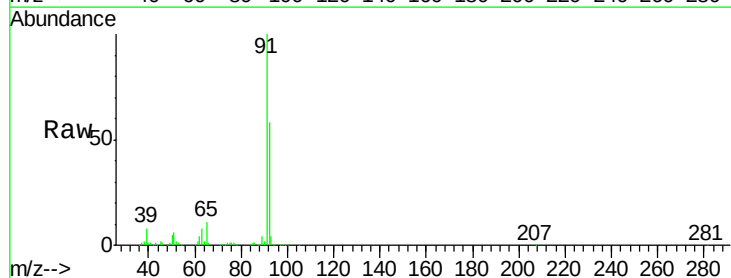
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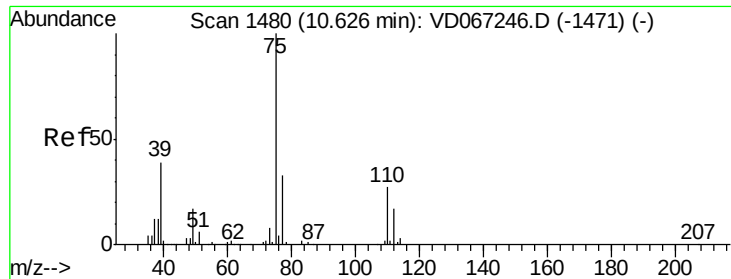
MMDadoda
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#52
Toluene
Concen: 49.877 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 92 Resp: 439762
Ion Ratio Lower Upper
92 100
91 170.4 133.8 200.8





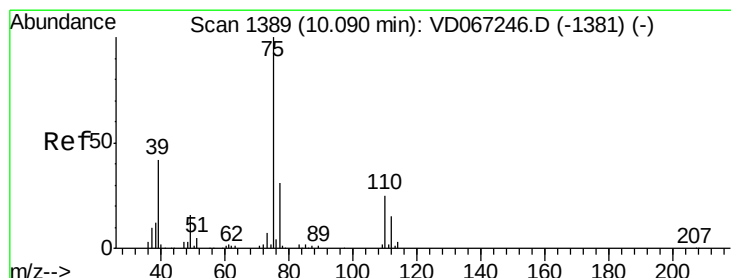
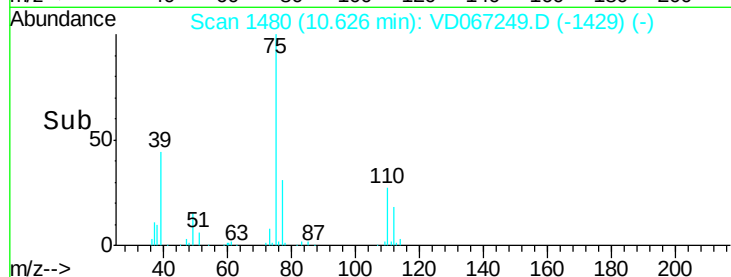
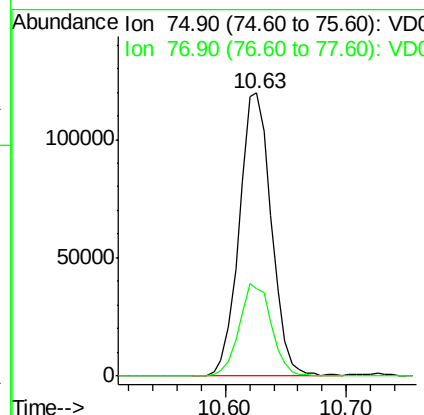
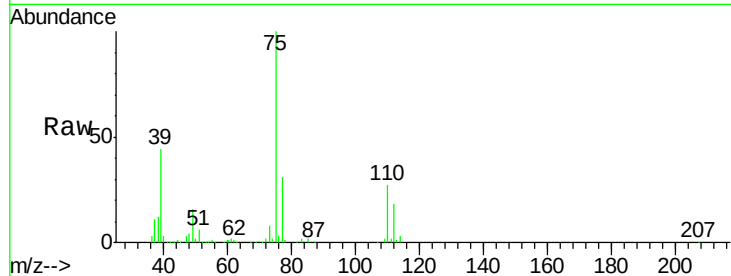
#53
 t-1,3-Dichloropropene
 Concen: 50.519 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.1	26.5	39.7

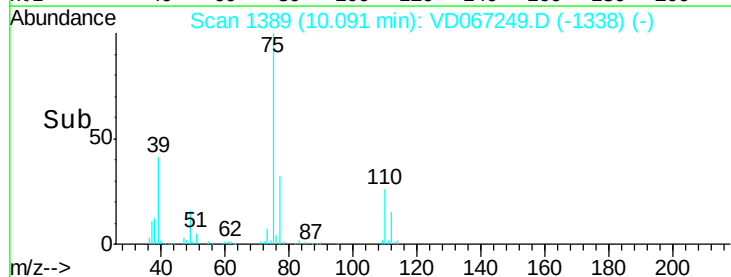
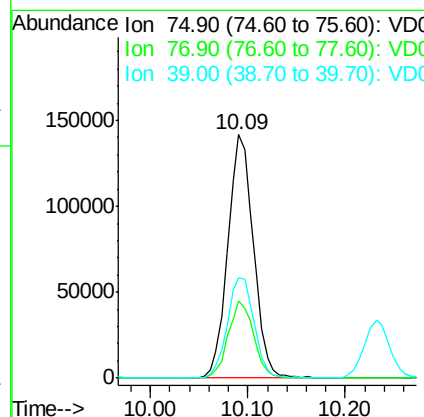
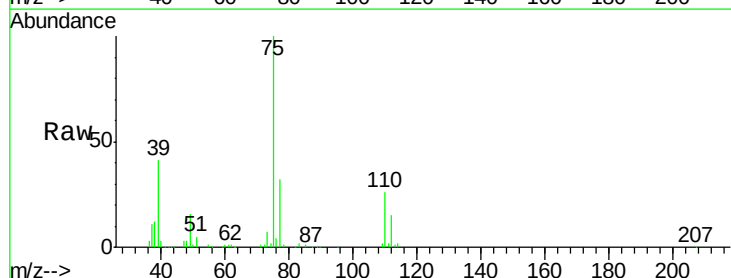
Manual Integrations
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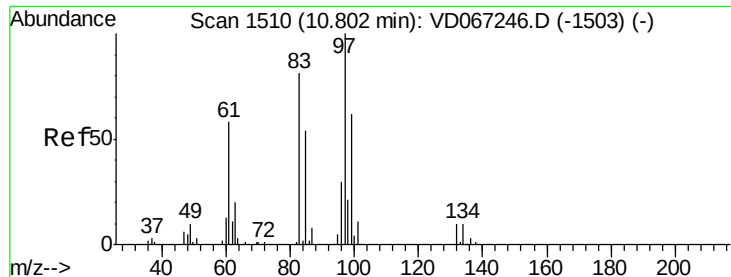
MMDadoda
 10/14/2020 2:10:17 PM



#54
 cis-1,3-Dichloropropene
 Concen: 50.159 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7
39	41.2	33.7	50.5





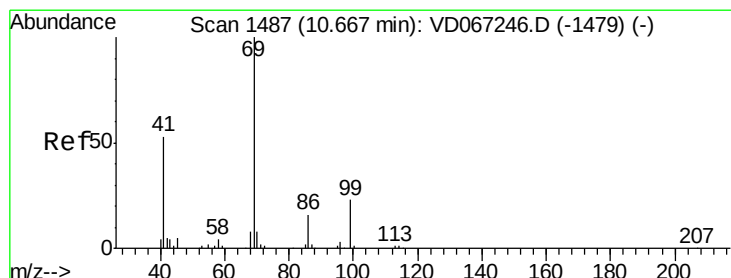
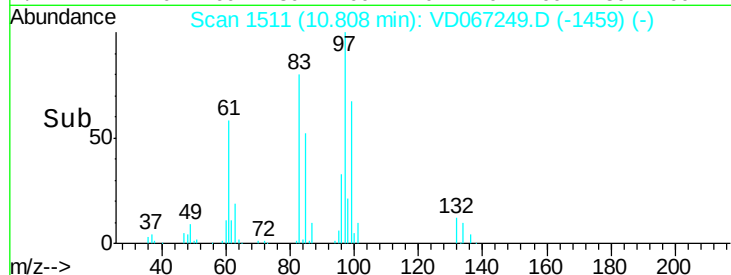
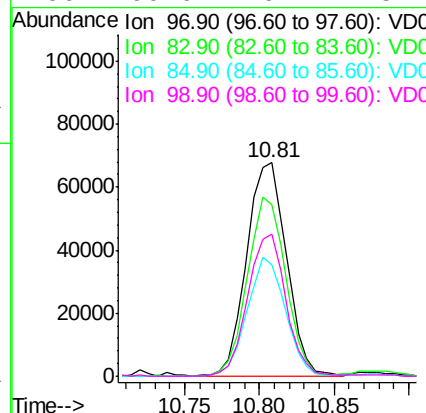
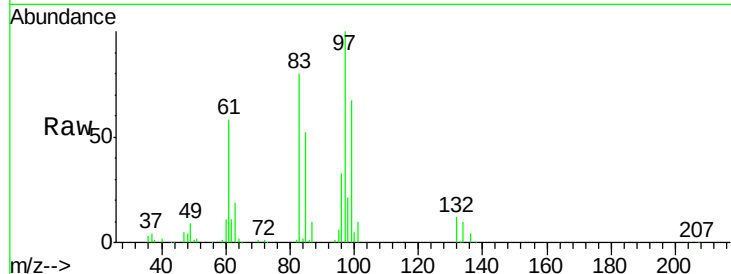
#55
 1,1,2-Trichloroethane
 Concen: 49.138 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion	97	Resp	125252
Ion	Ratio	Lower	Upper
97	100		
83	80.3	64.9	97.3
85	52.3	43.3	64.9
99	66.6	49.1	73.7

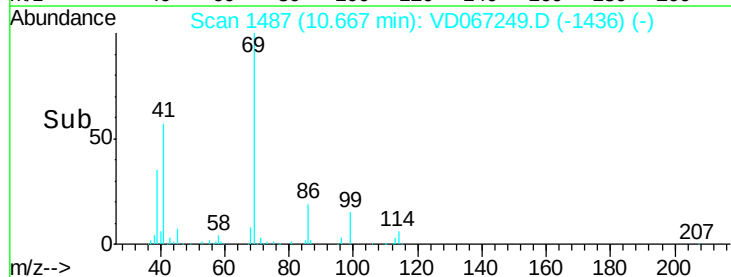
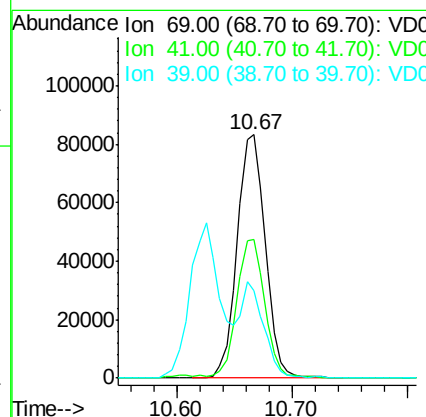
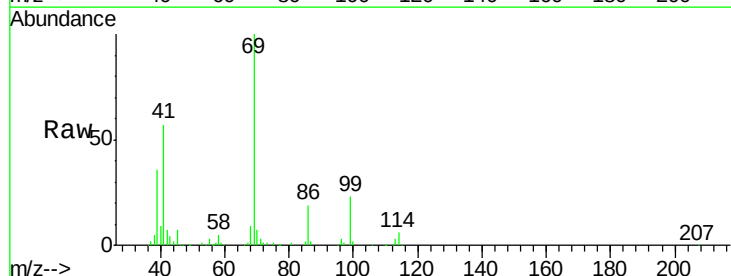
Manual Integrations
 APPROVED

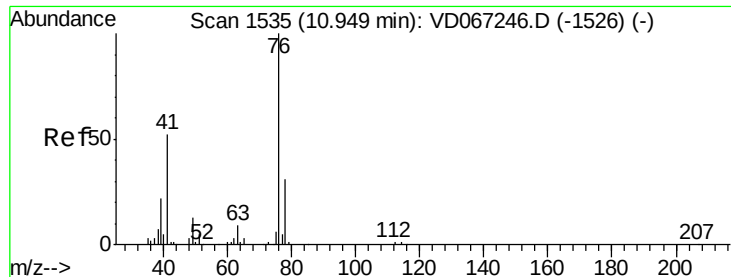
MMDadoda
 10/14/2020 2:10:17 PM



#56
 Ethyl methacrylate
 Concen: 53.312 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion	69	Resp	140934
Ion	Ratio	Lower	Upper
69	100		
41	56.3	44.7	67.1
39	32.8	26.2	39.2





#57

1,3-Dichloropropane

Concen: 51.176 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 76 Resp: 207594

Ion Ratio Lower Upper

76 100

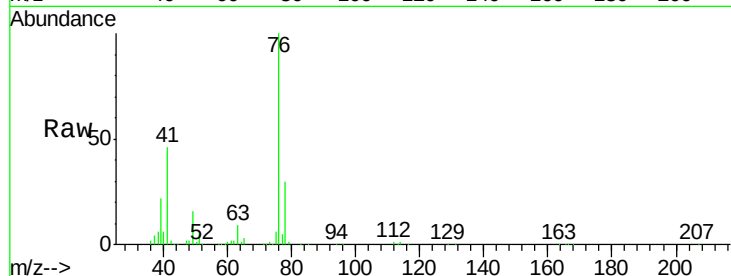
78 32.0 26.8 40.2

Manual Integrations

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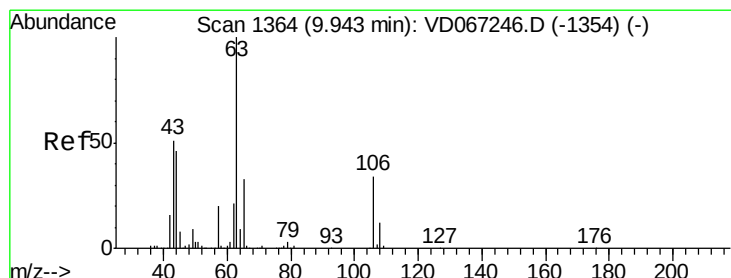
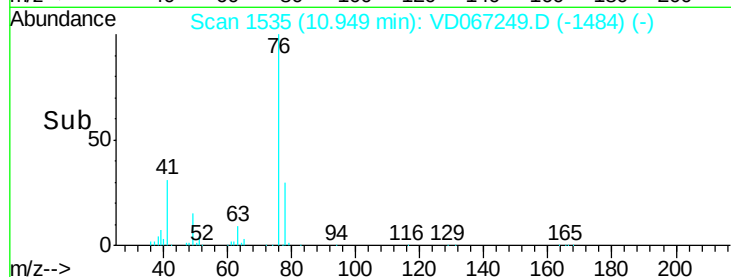
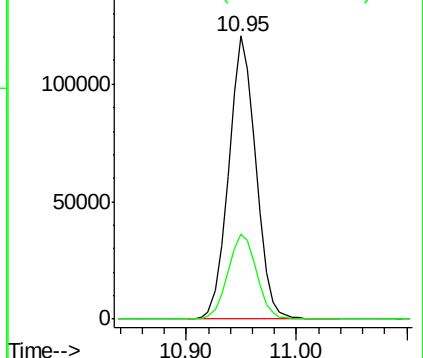
MMDadoda

10/14/2020 2:10:17 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 266.884 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VD067249.D

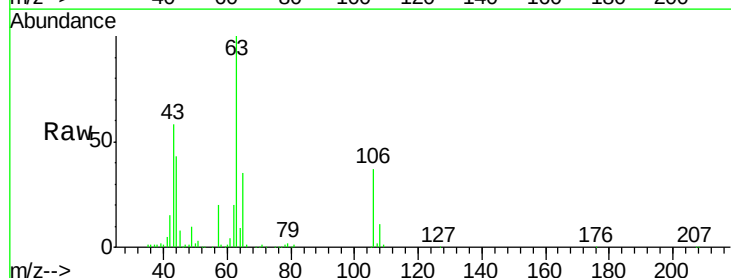
Acq: 13 Oct 2020 13:38

Tgt Ion: 63 Resp: 361933

Ion Ratio Lower Upper

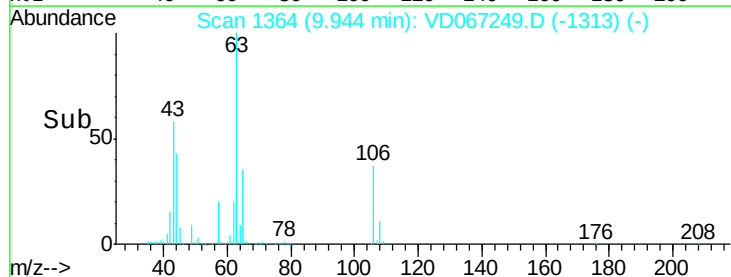
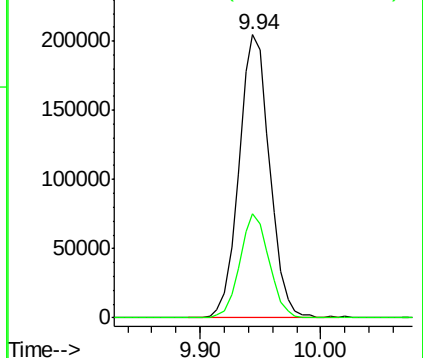
63 100

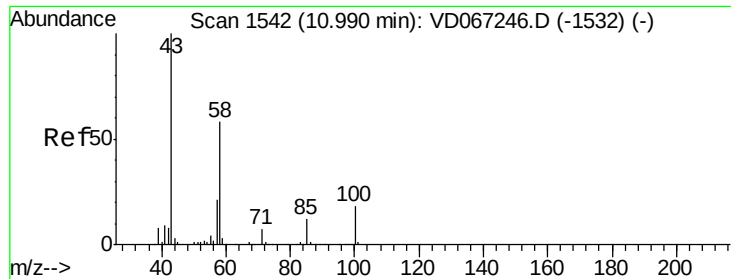
106 35.4 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





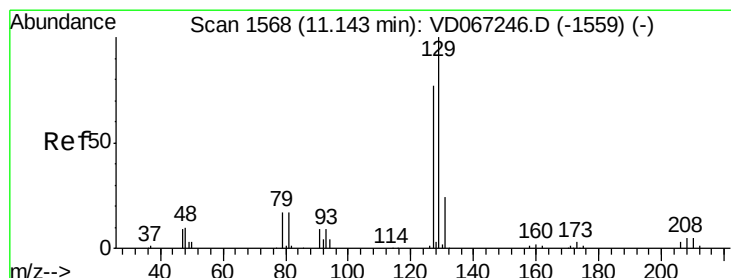
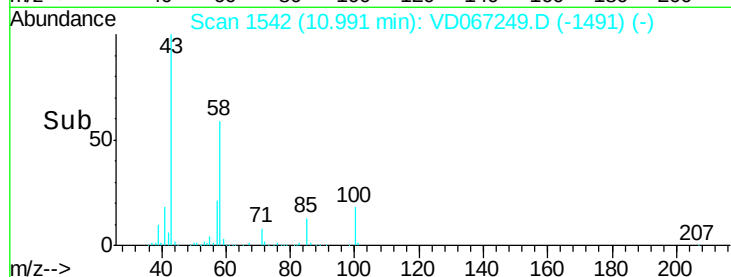
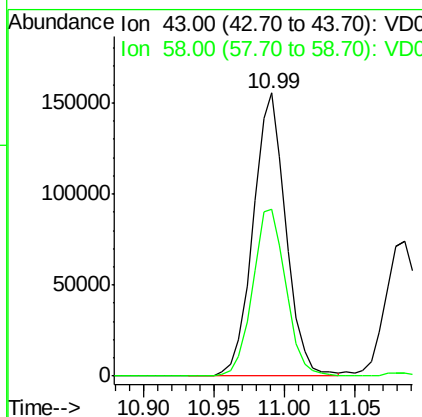
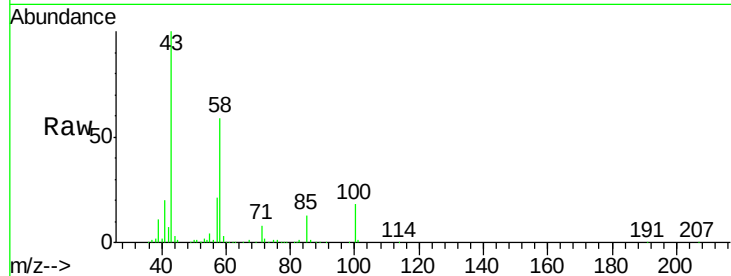
#59
2-Hexanone
Concen: 270.428 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion: 43 Resp: 253905
Ion Ratio Lower Upper
43 100
58 60.2 29.3 87.9

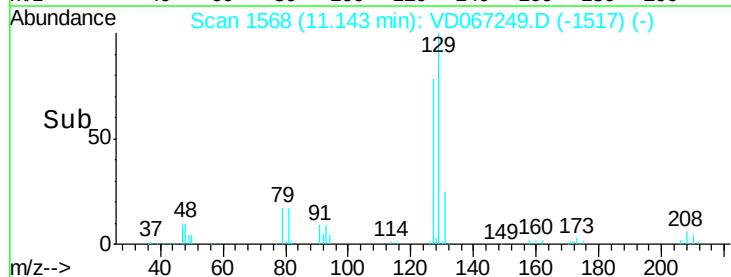
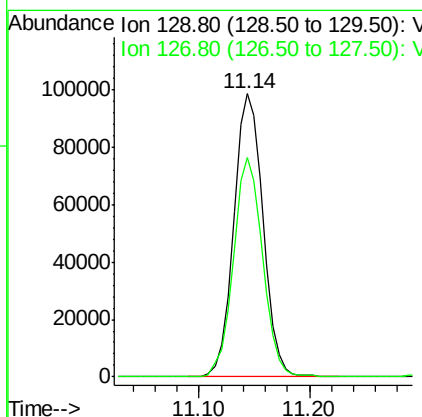
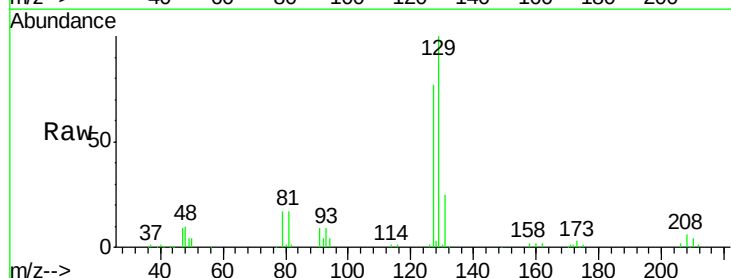
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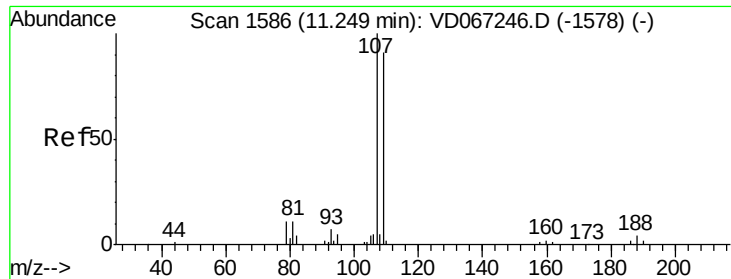
MMDadoda
10/14/2020 2:10:17 PM



#60
Dibromochloromethane
Concen: 49.283 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion: 129 Resp: 183199
Ion Ratio Lower Upper
129 100
127 77.4 38.3 114.8





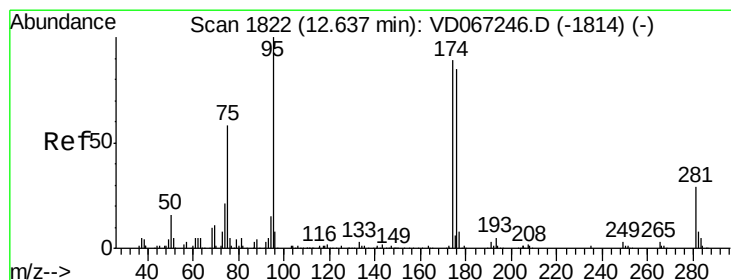
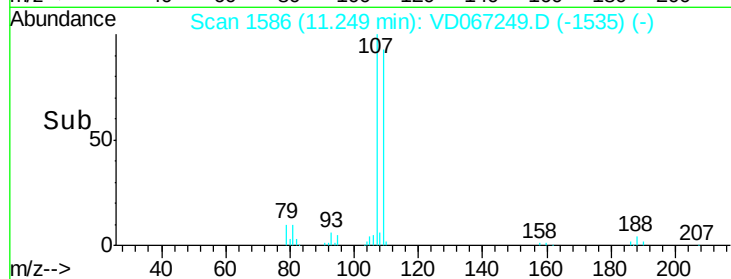
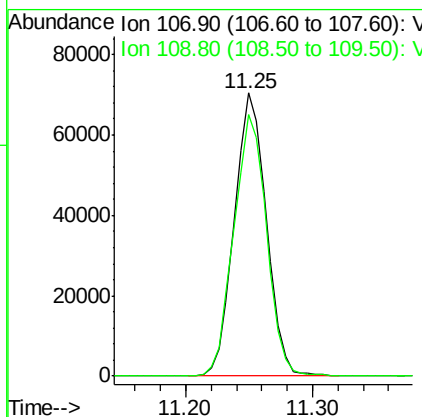
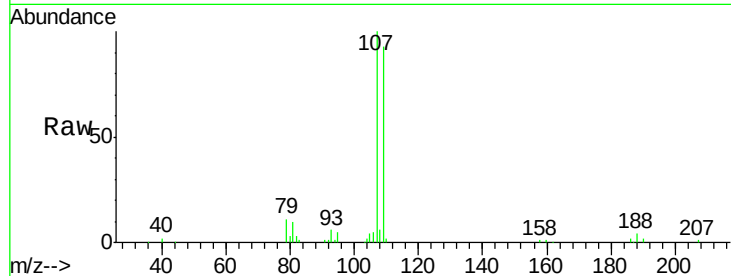
#61
 1,2-Dibromoethane
 Concen: 49.051 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion	Ratio	Resp	Lower	Upper
107	100	123261		
109	94.8	74.6	112.0	

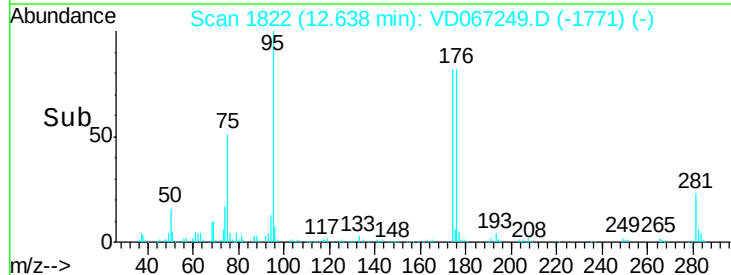
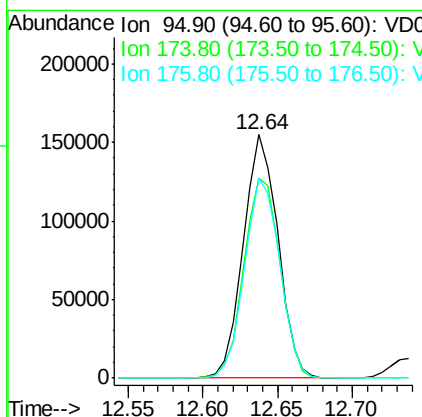
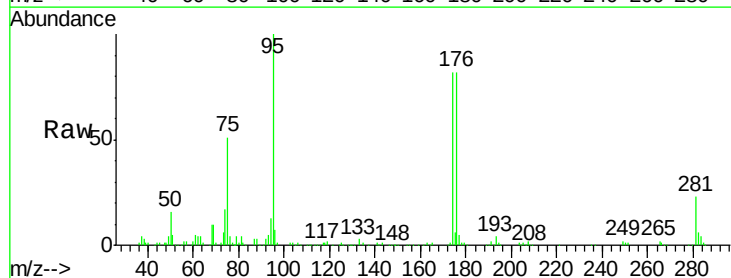
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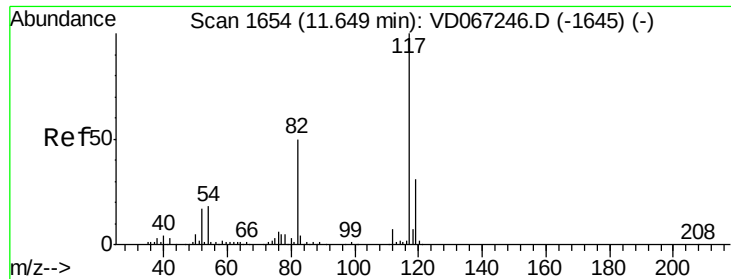
MMDadoda
 10/14/2020 2:10:17 PM



#62
 4-Bromofluorobenzene
 Concen: 53.368 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
95	100	248819		
174	85.7	0.0	175.2	
176	83.7	0.0	168.6	





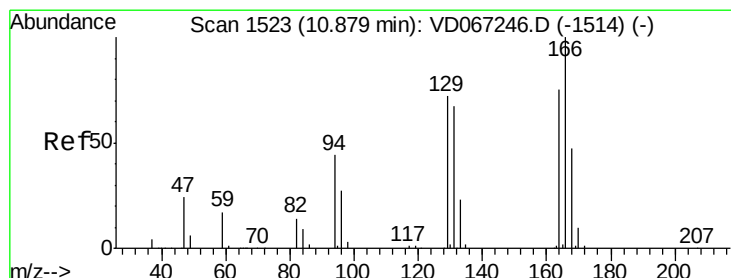
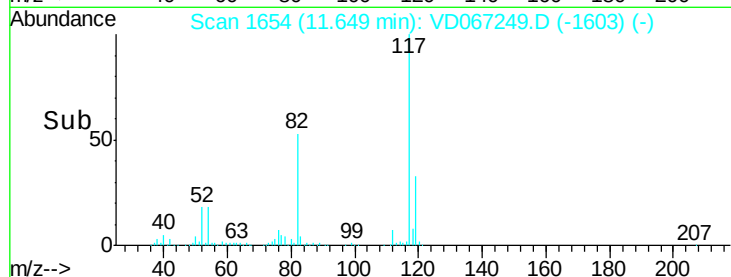
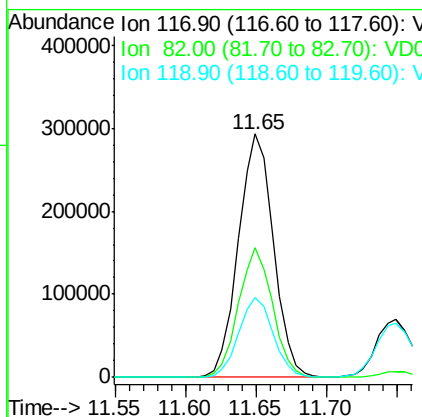
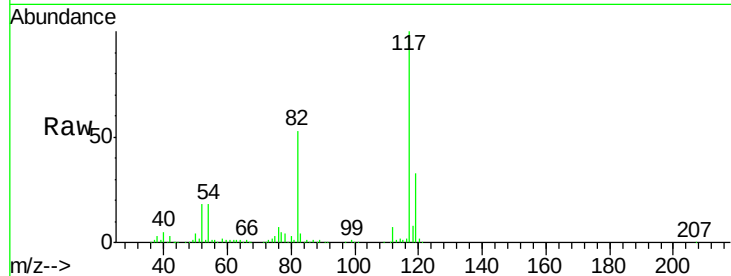
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	39.9	59.9
119	32.7	24.9	37.3

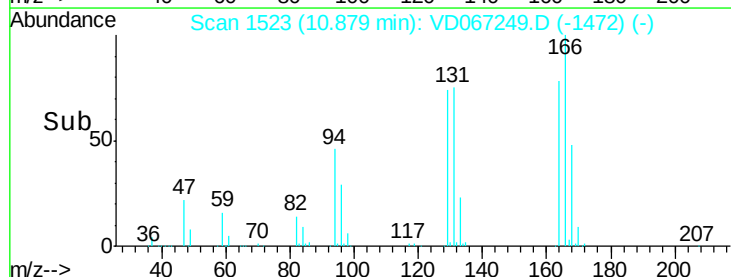
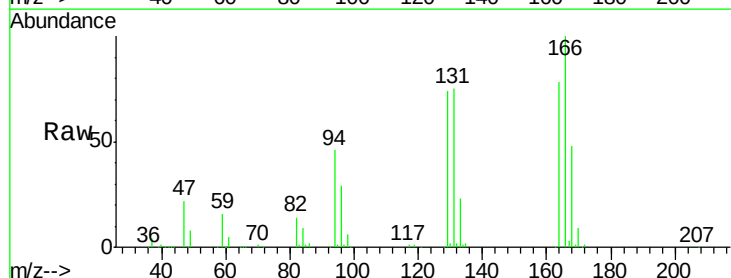
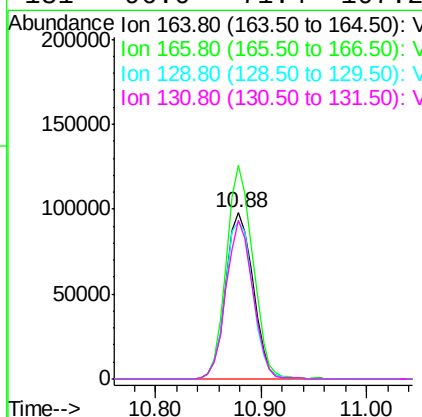
Manual Integrations
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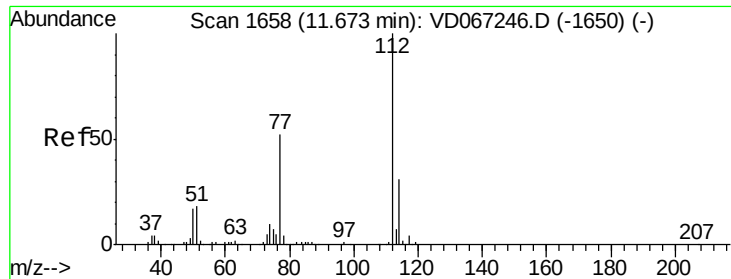
MMDadoda
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#64
Tetrachloroethene
Concen: 47.673 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.8	107.3	160.9
129	94.7	77.3	115.9
131	96.0	71.4	107.2





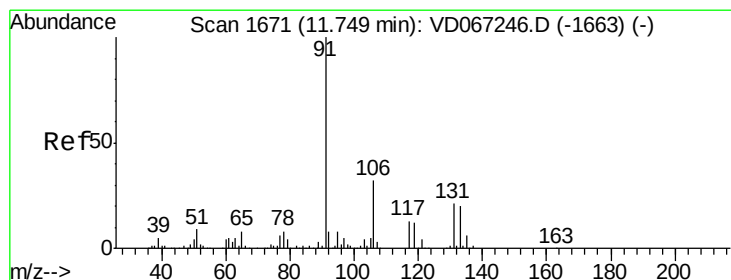
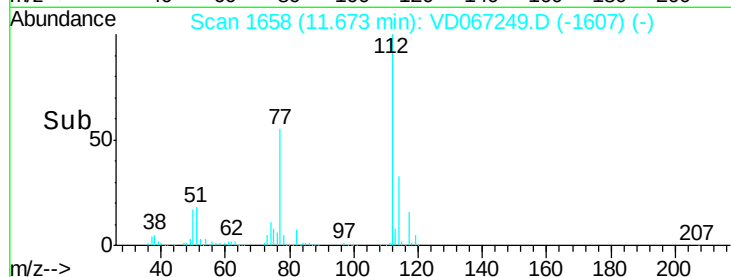
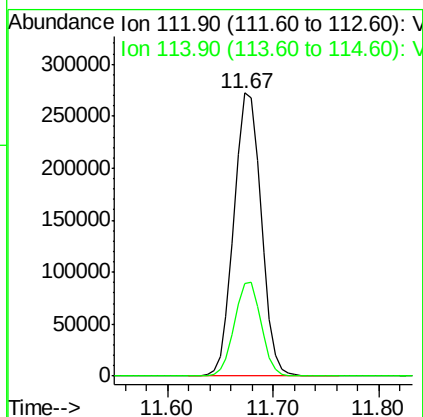
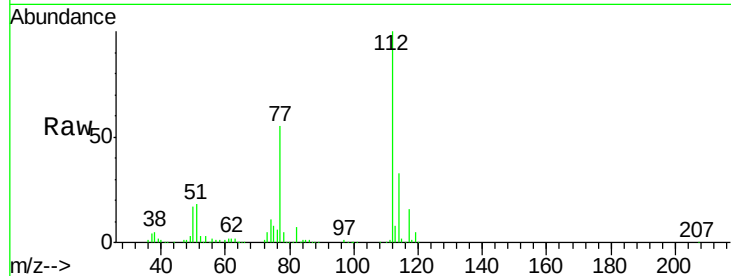
#65
Chlorobenzene
Concen: 49.717 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.0	37.4

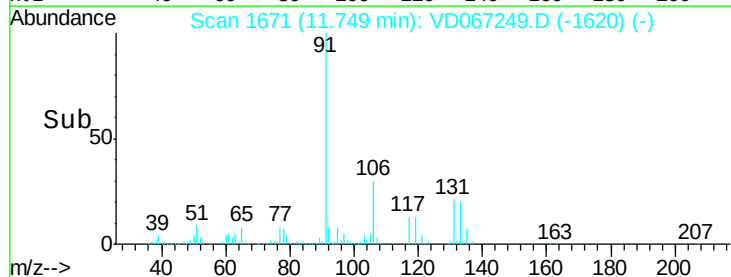
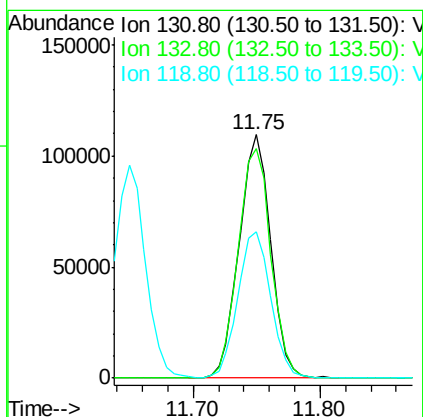
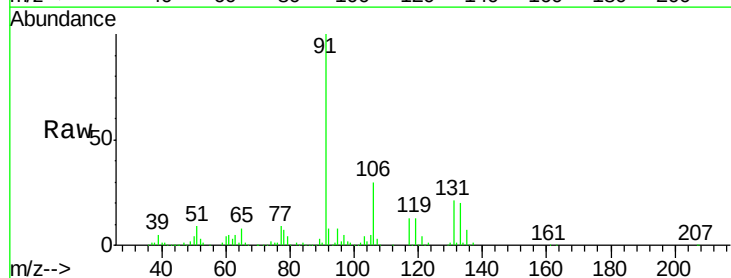
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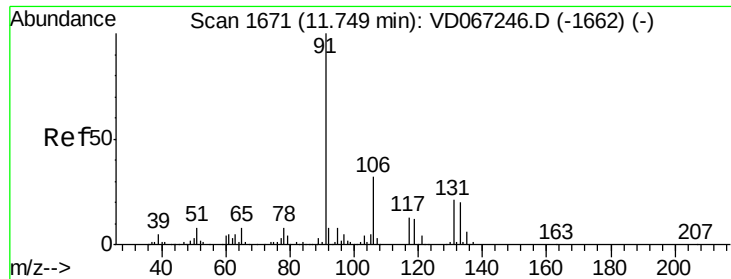
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 48.885 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.7	48.1	144.3
119	62.7	30.0	90.0





#67

Ethyl Benzene

Concen: 51.012 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 91 Resp: 854003

Ion Ratio Lower Upper

91 100

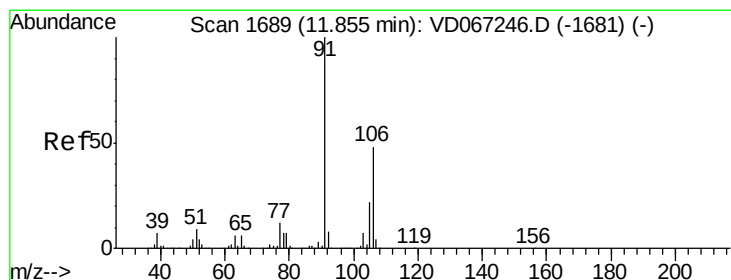
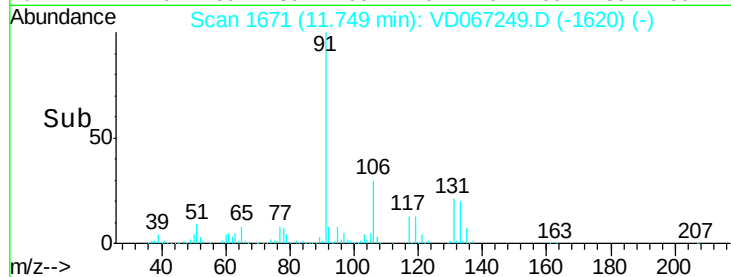
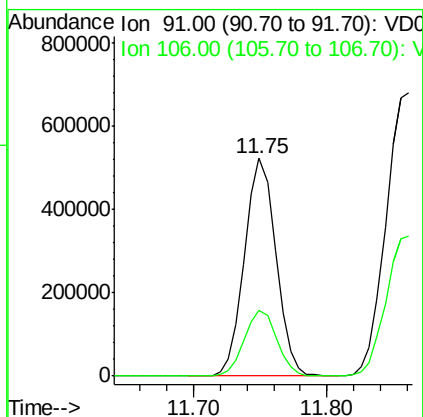
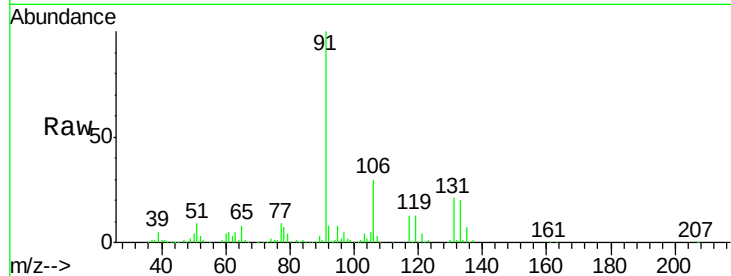
106 30.2 25.4 38.0

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#68

m/p-Xylenes

Concen: 102.307 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067249.D

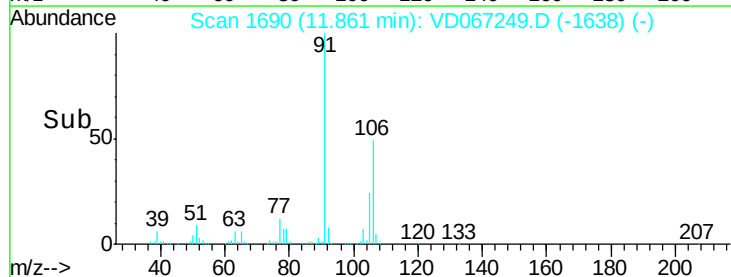
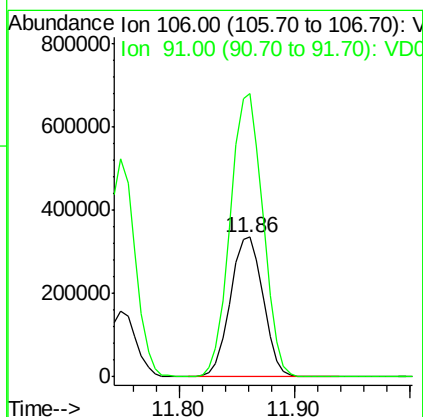
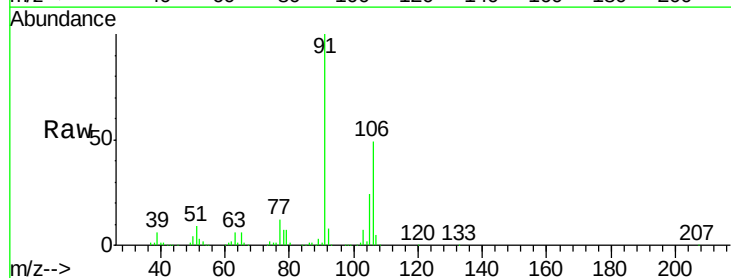
Acq: 13 Oct 2020 13:38

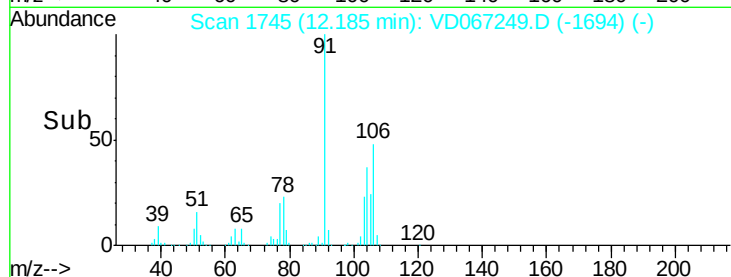
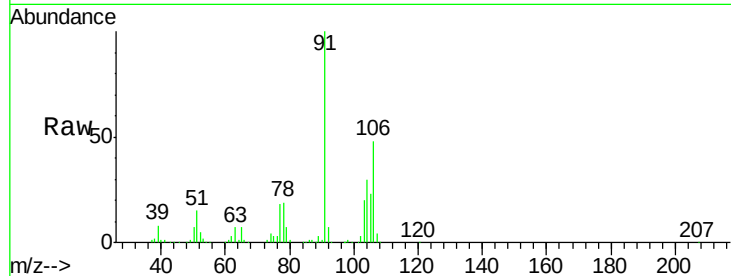
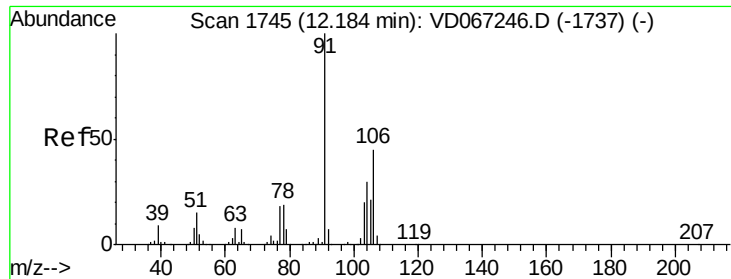
Tgt Ion: 106 Resp: 659548

Ion Ratio Lower Upper

106 100

91 202.0 163.8 245.8





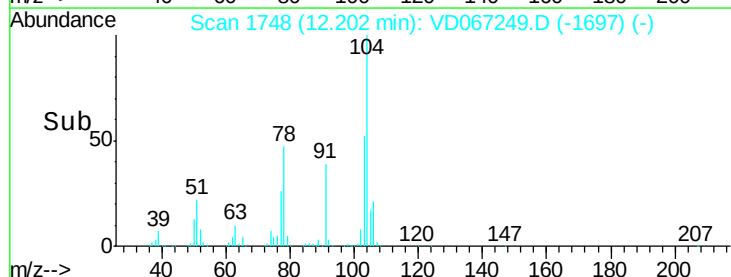
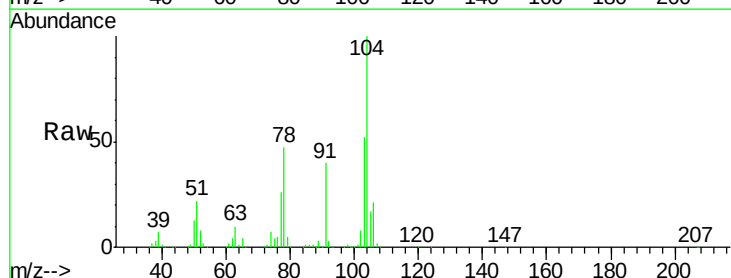
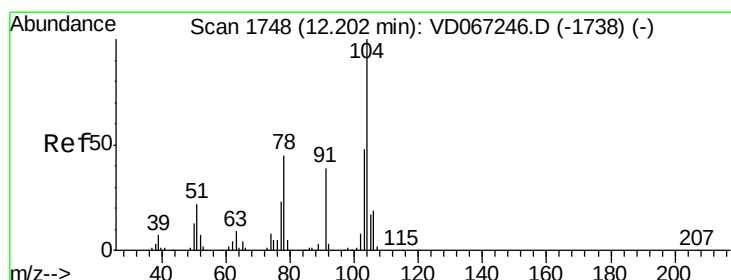
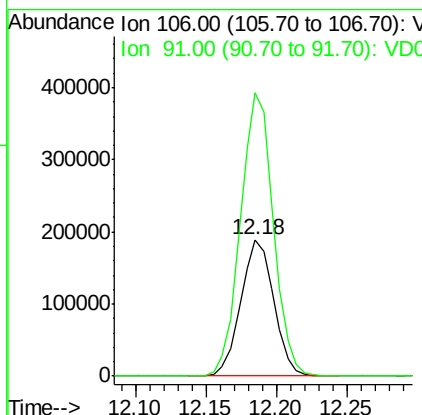
#69
o-Xylene
Concen: 51.770 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tot Ion	Ratio	Resp	Lower	Upper
106	100	309057		
91	206.8	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

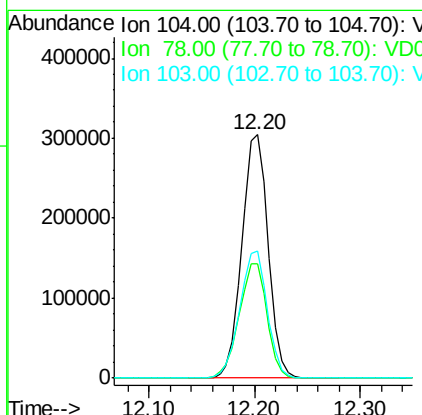
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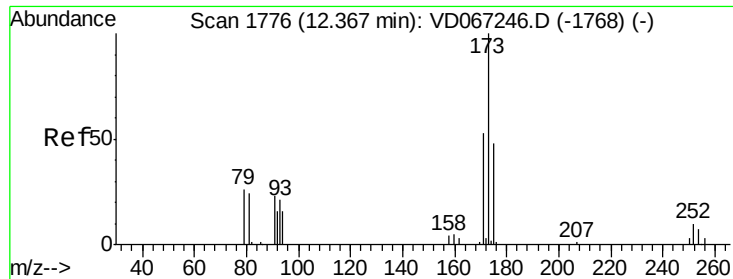
MMDadoda
10/14/2020 2:10:17 PM



#70
Styrene
Concen: 50.998 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	524079		
78	50.0	39.8	59.6	
103	54.8	42.6	64.0	





#71

Bromoform

Concen: 49.822 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

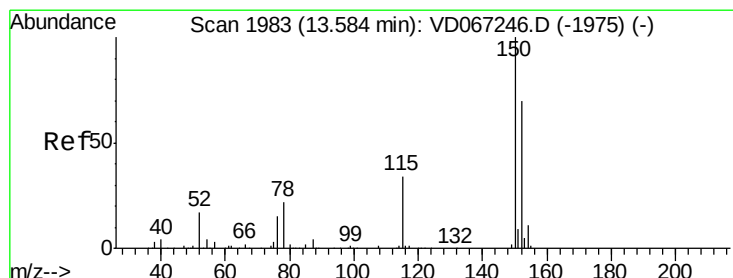
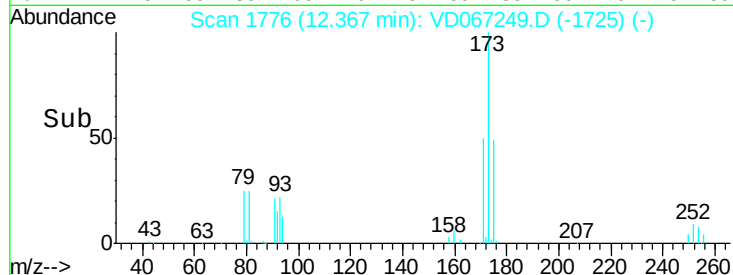
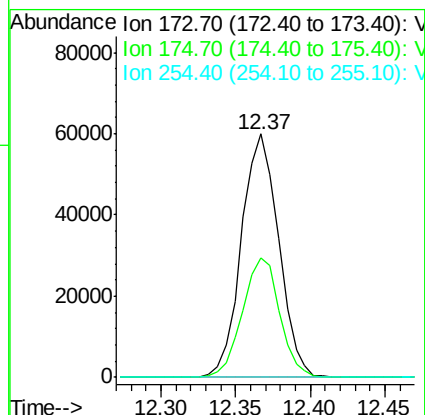
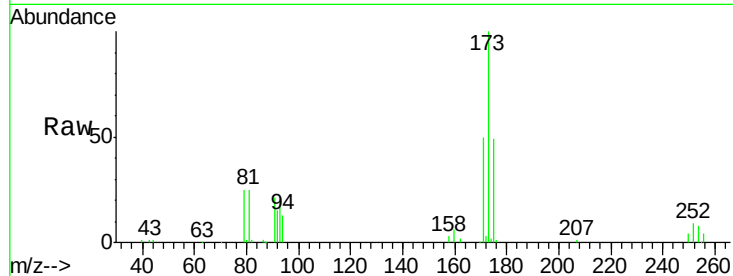
ClientSampleId :

ICVVD101320

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.1	0.1	0.1#

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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

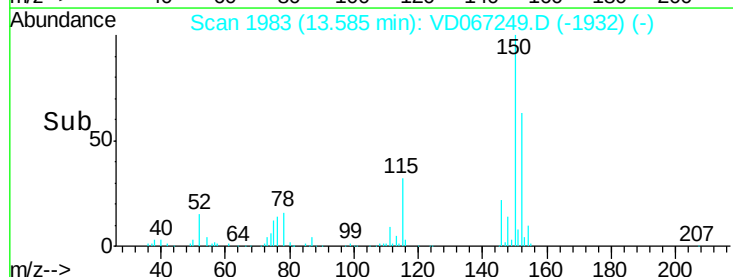
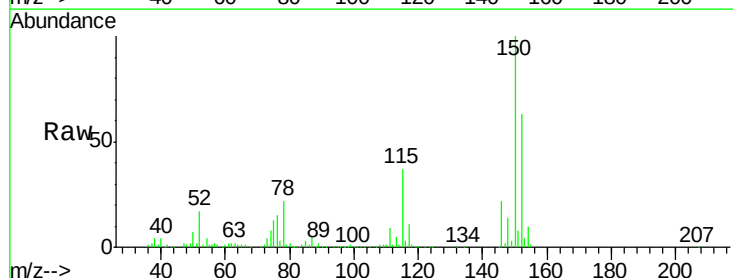
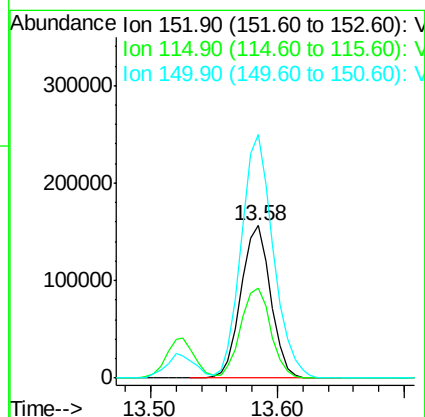
RT: 13.58 min Scan# 1983

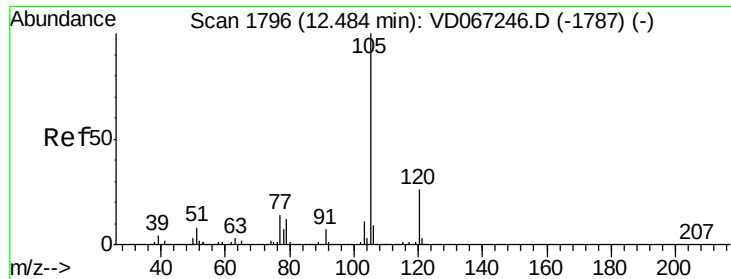
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.0	29.3	87.9
150	172.5	0.0	339.0





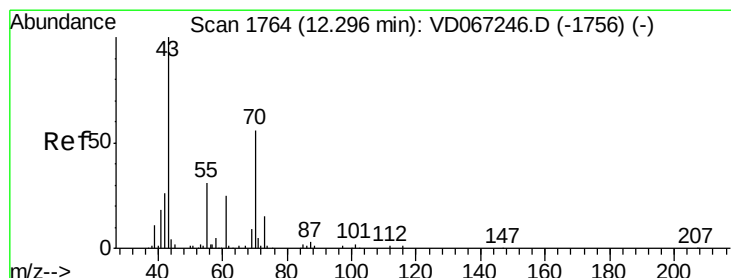
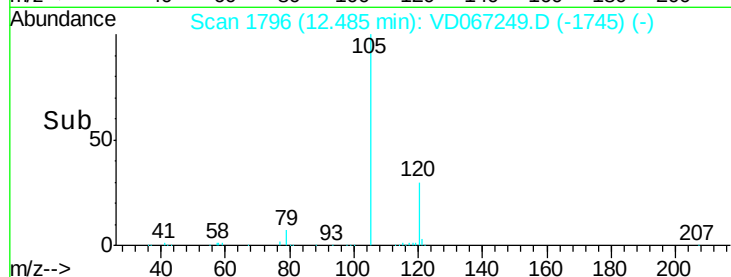
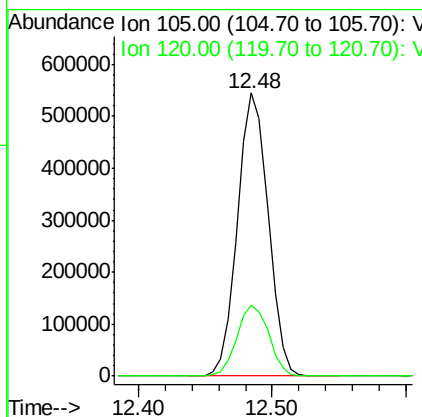
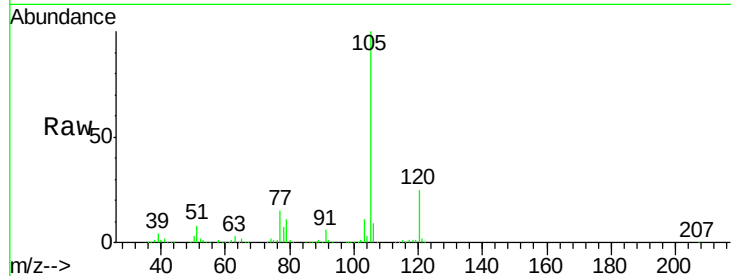
#73
Isopropylbenzene
Concen: 53.991 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.3	39.8

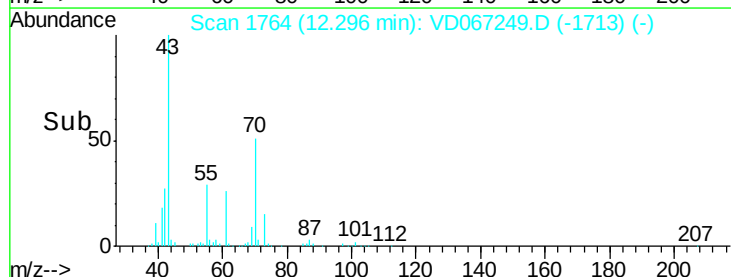
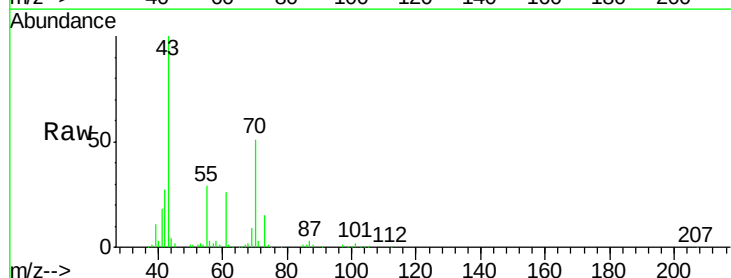
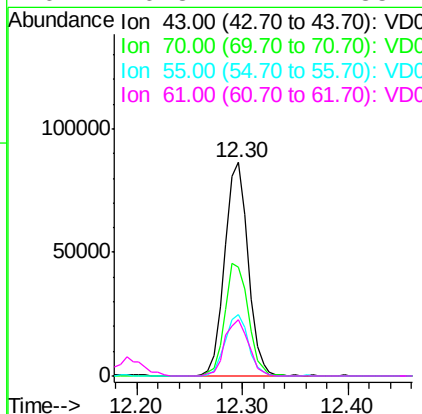
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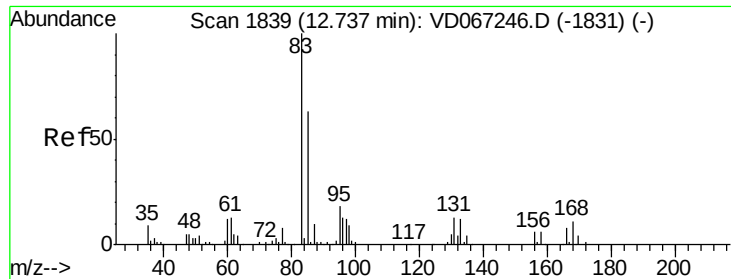
MMDadoda
10/14/2020 2:10:17 PM



#74
N-ethyl acetate
Concen: 54.743 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
43	100		
70	52.6	42.7	64.1
55	28.5	24.0	36.0
61	26.8	22.2	33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 51.465 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

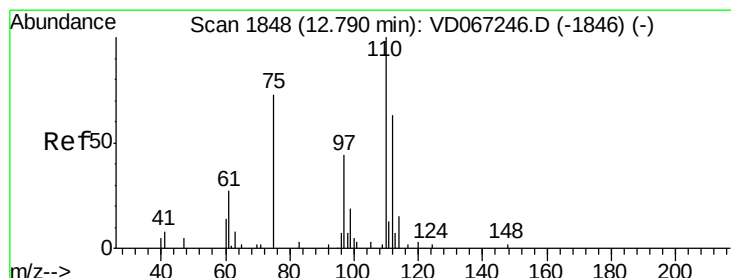
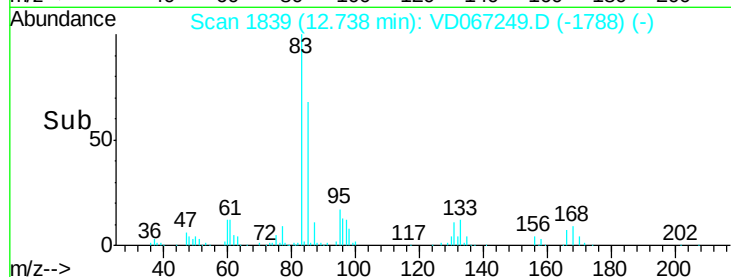
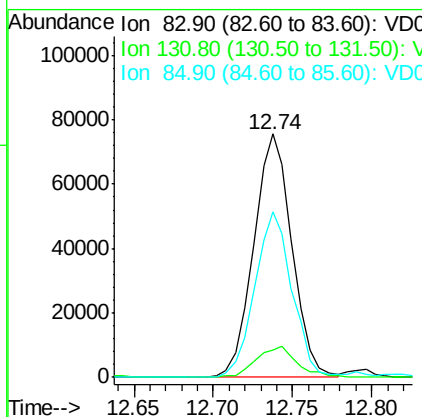
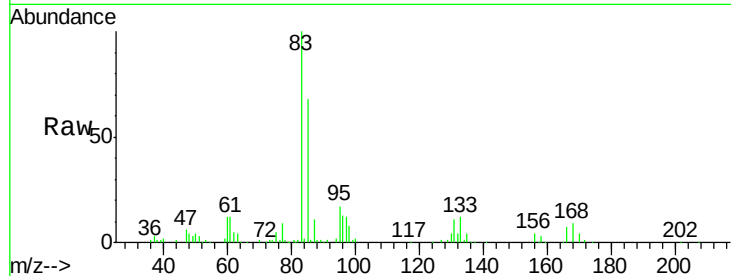
ClientSampleId :

ICVVD101320

Tot Ion:	83	Resp:	126770
Ion Ratio	Lower	Upper	
83	100		
131	13.6	6.5	19.5
85	66.4	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 47.459 ug/l m

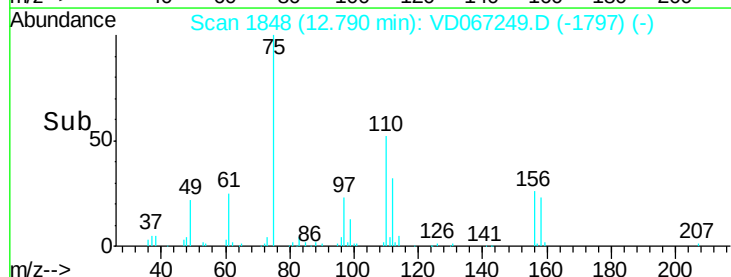
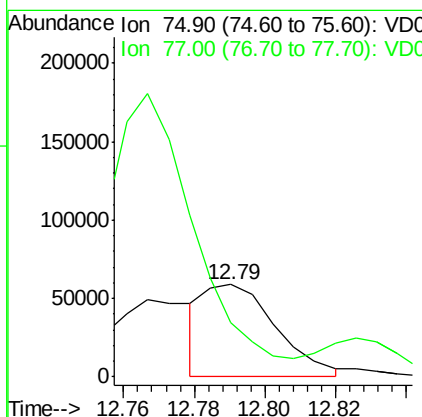
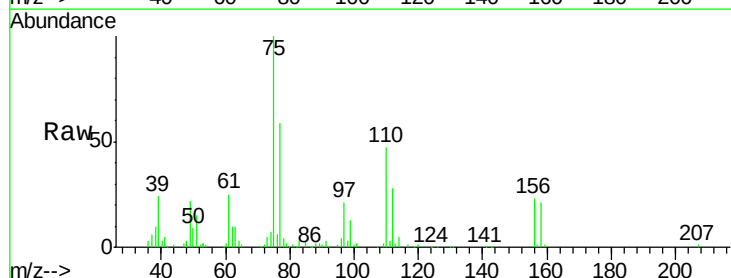
RT: 12.79 min Scan# 1848

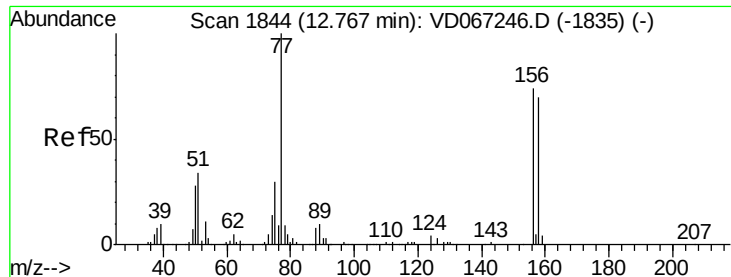
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion:	75	Resp:	83320
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.345 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

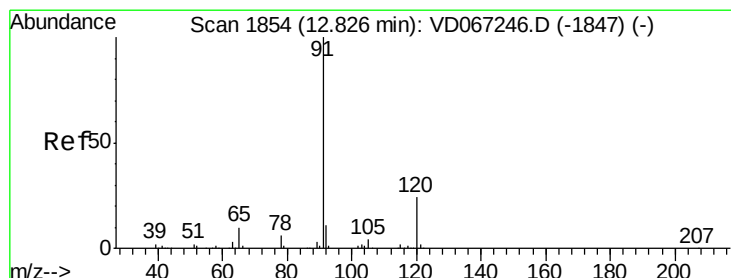
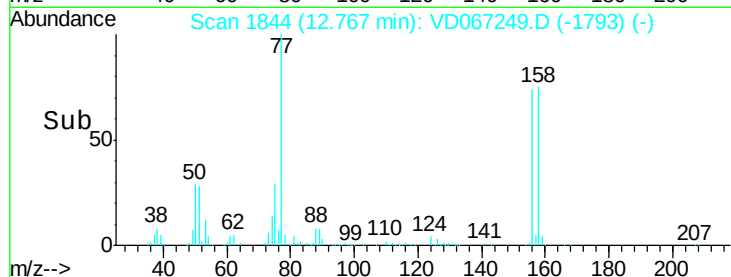
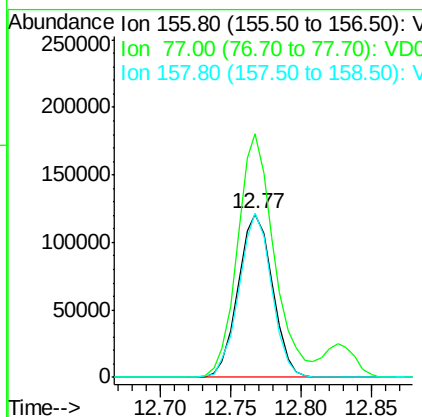
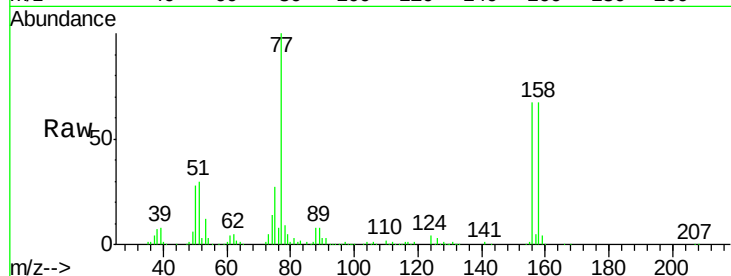
ClientSampleId :

ICVVD101320

Tot Ion:	156	Resp:	205790
Ion Ratio	Lower	Upper	
156	100		
77	159.4	78.0	233.8
158	95.6	49.1	147.3

Manual Integrations
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#78

n-propylbenzene

Concen: 53.316 ug/l

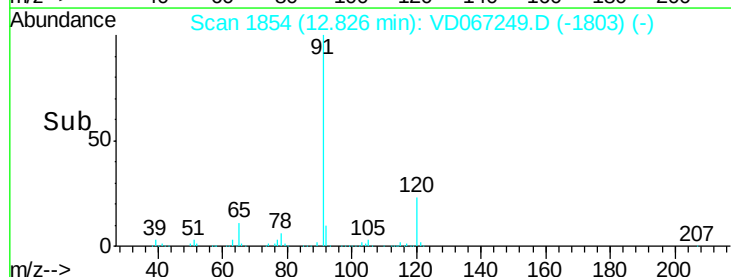
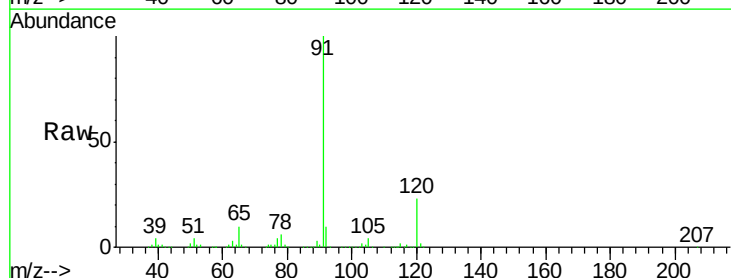
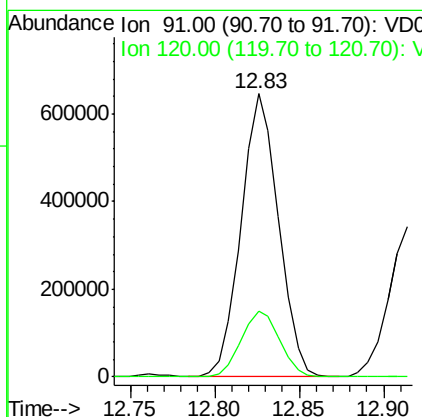
RT: 12.83 min Scan# 1854

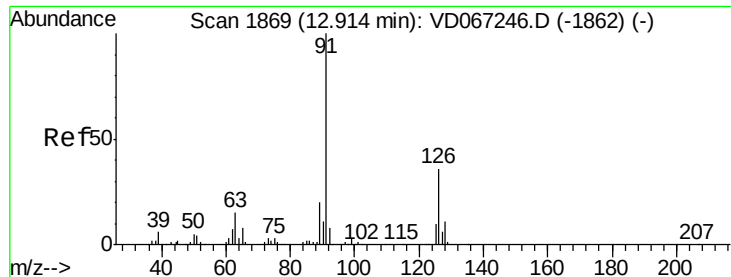
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion:	91	Resp:	993077
Ion Ratio	Lower	Upper	
91	100		
120	24.0	11.9	35.9





#79

2-Chlorotoluene

Concen: 51.186 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion: 91 Resp: 552894

Ion Ratio Lower Upper

91 100

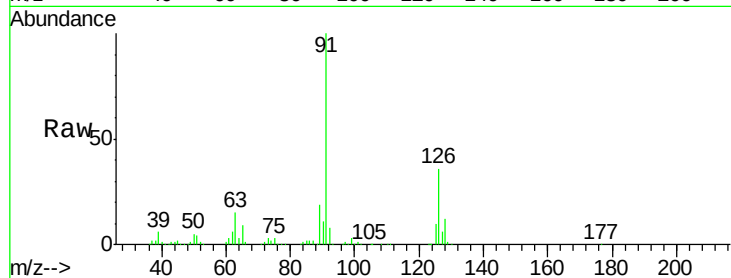
126 36.3 17.6 52.8

Manual Integrations

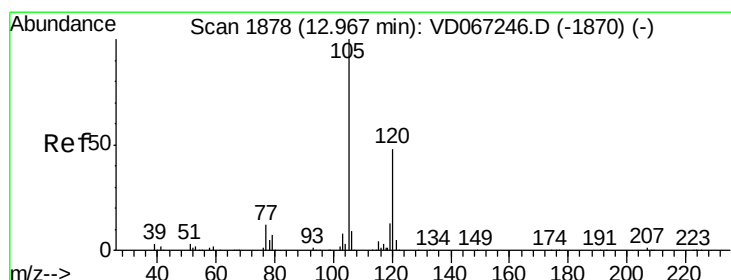
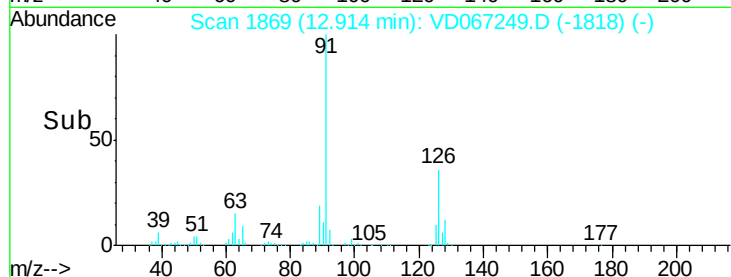
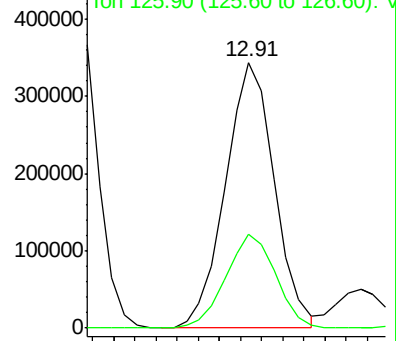
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Abundance Ion 91.00 (90.70 to 91.70): VD067249.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 52.393 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067249.D

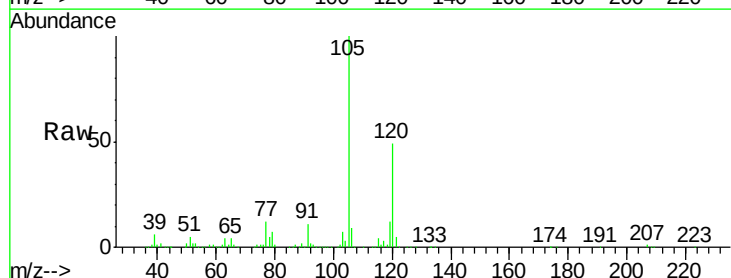
Acq: 13 Oct 2020 13:38

Tgt Ion: 105 Resp: 731930

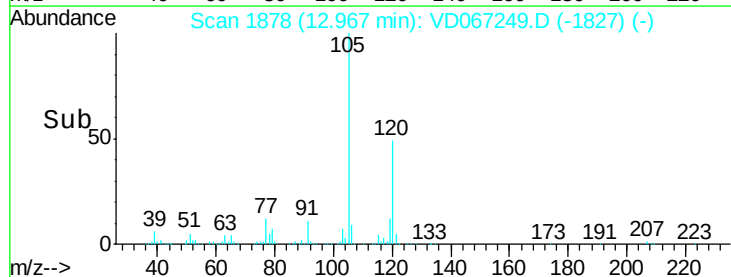
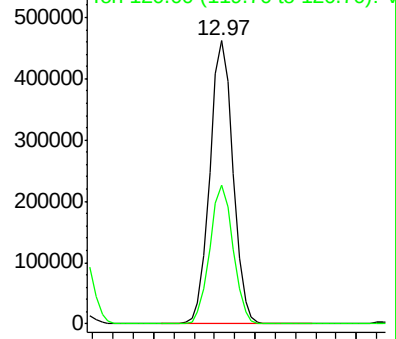
Ion Ratio Lower Upper

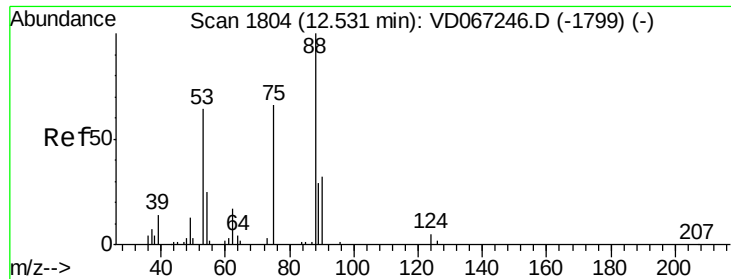
105 100

120 49.3 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067249.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 53.358 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

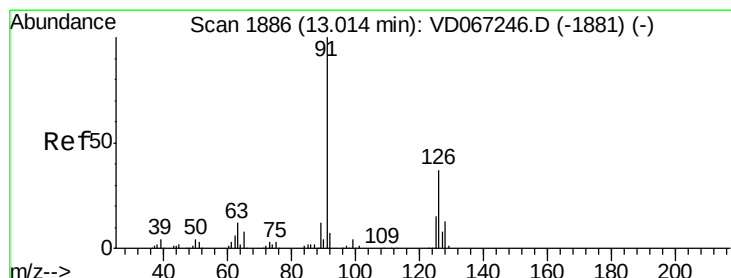
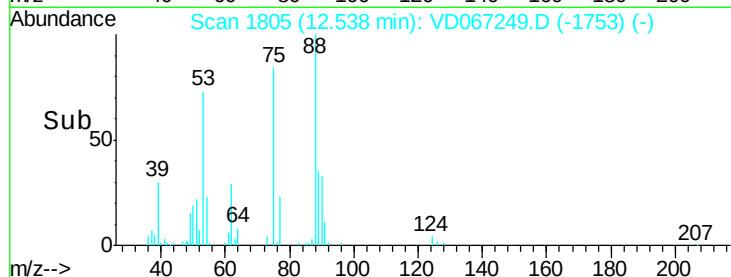
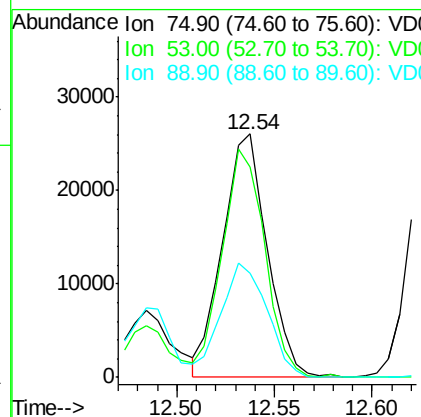
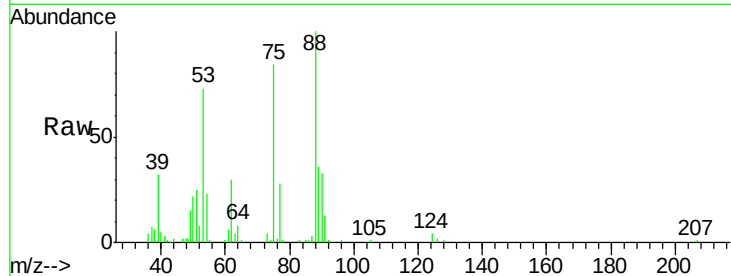
ClientSampleId :

ICVVD101320

Tot Ion:	75	Resp:	41309
Ion	Ratio	Lower	Upper
75	100		
53	89.9	78.5	117.7
89	48.4	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.195 ug/l

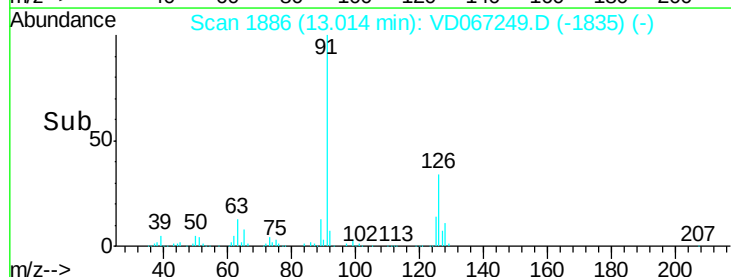
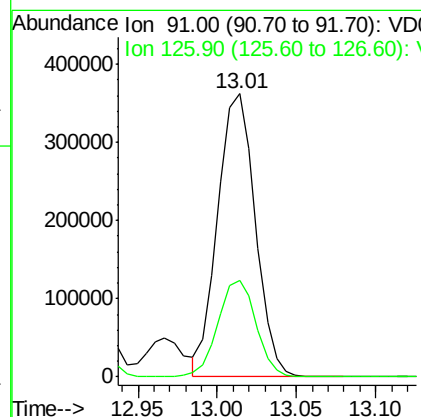
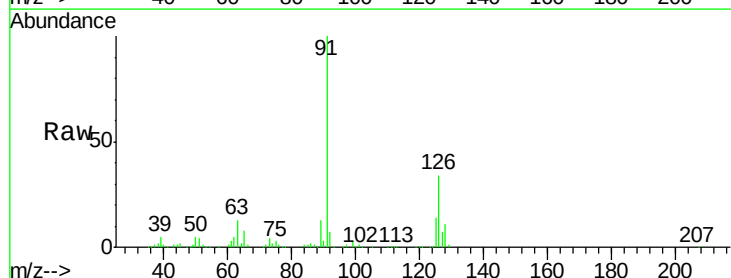
RT: 13.01 min Scan# 1886

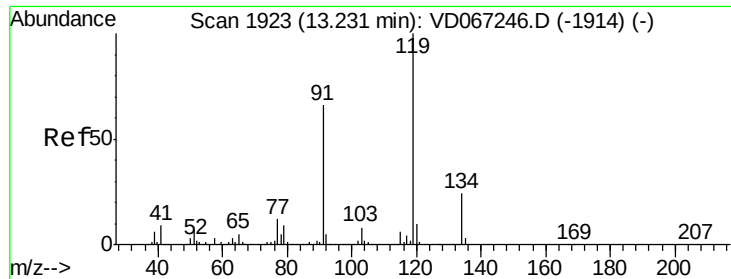
Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Tgt Ion:	91	Resp:	598388
Ion	Ratio	Lower	Upper
91	100		
126	34.5	17.8	53.5





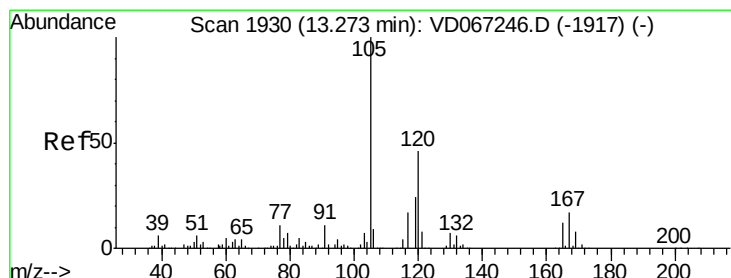
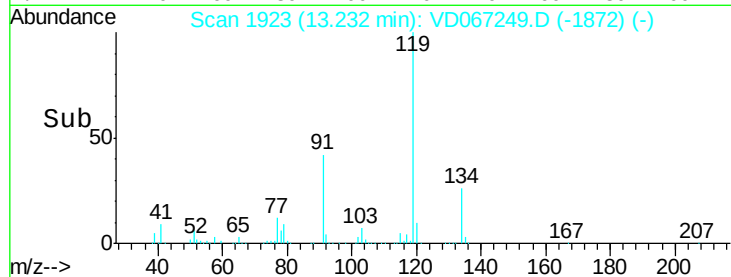
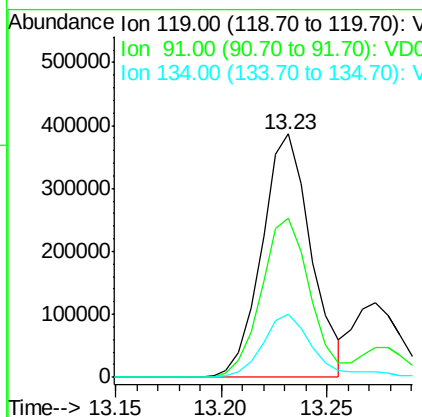
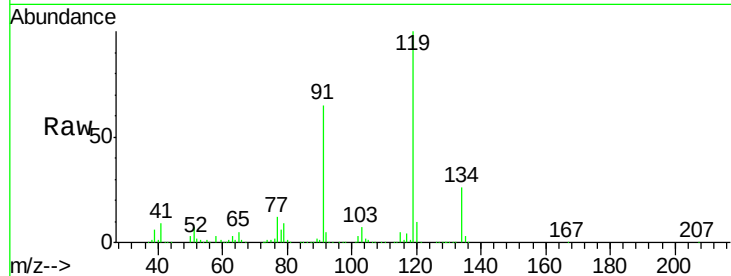
#83
 tert-Butylbenzene
 Concen: 53.167 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.6	33.1	99.2
134	27.0	13.3	39.9

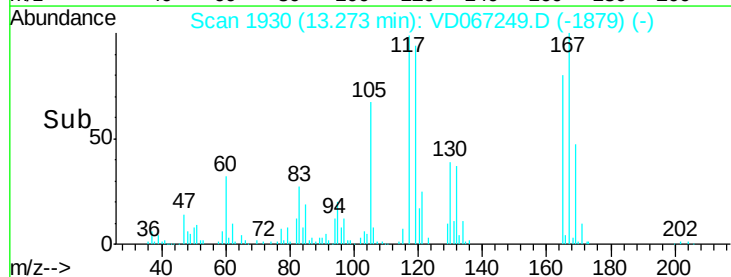
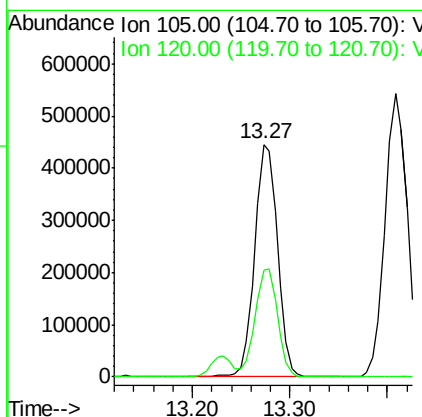
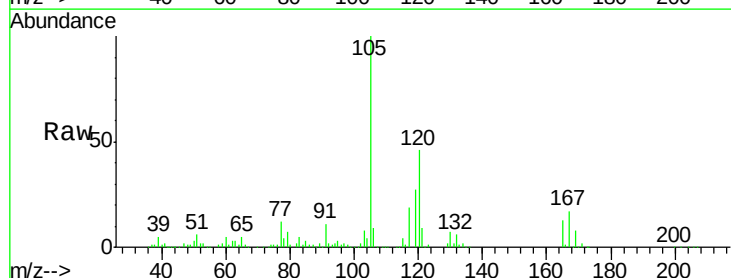
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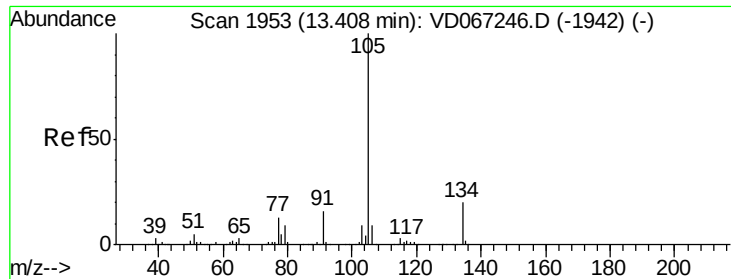
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#84
 1,2,4-Trimethylbenzene
 Concen: 52.877 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.4	67.3





#85

sec-Butylbenzene

Concen: 53.206 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

Instrument :

MSVOA_D

ClientSampleId :

ICVVD101320

Tot Ion:105 Resp: 861525

Ion Ratio Lower Upper

105 100

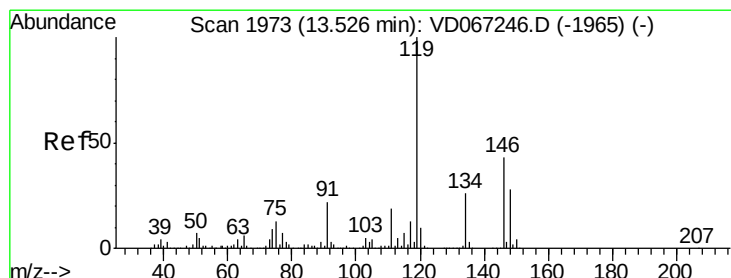
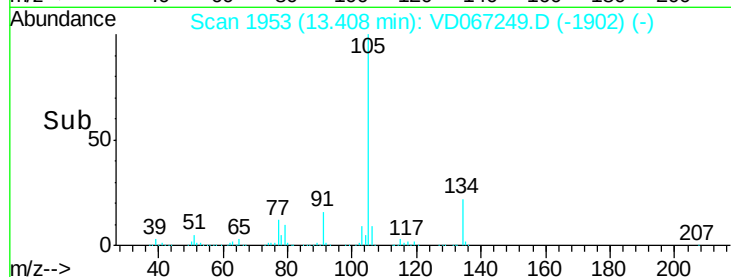
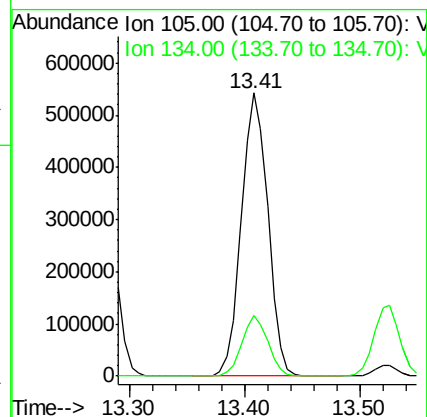
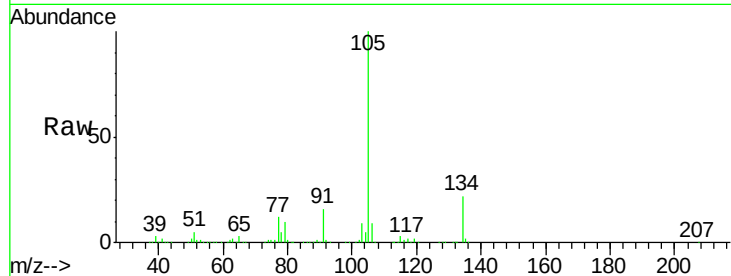
134 20.9 10.5 31.5

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#86

p-Isopropyltoluene

Concen: 52.436 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD067249.D

Acq: 13 Oct 2020 13:38

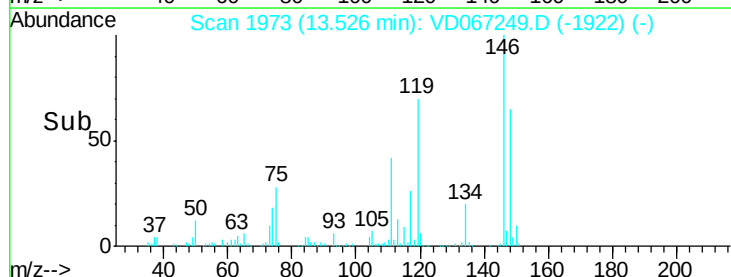
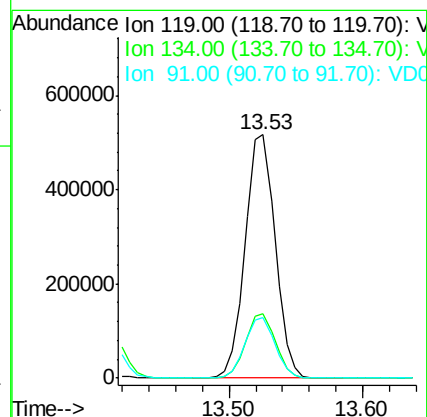
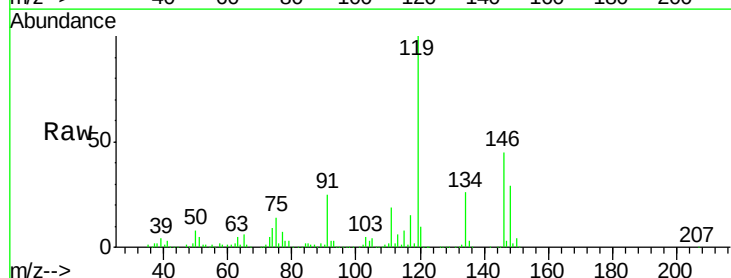
Tgt Ion:119 Resp: 801405

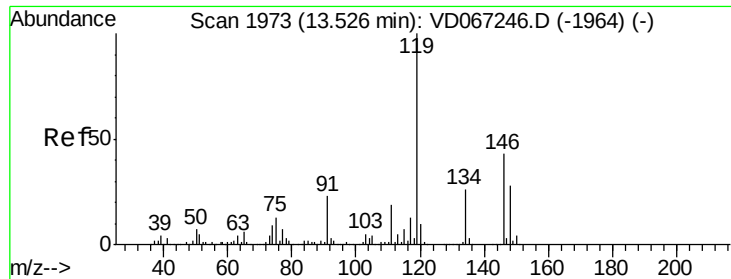
Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.9 11.9 35.9





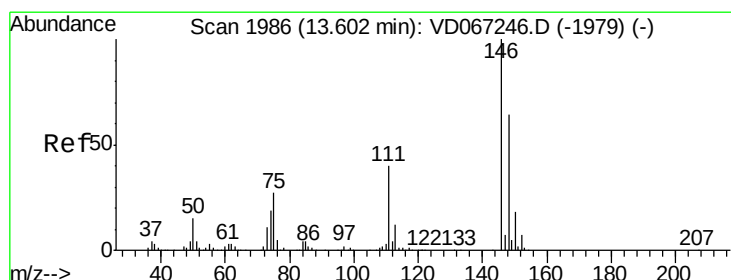
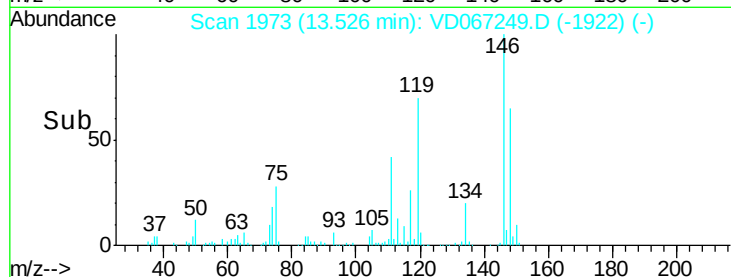
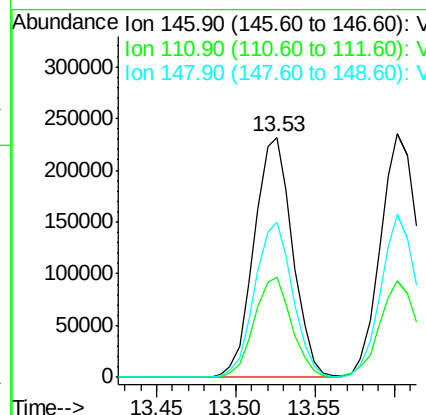
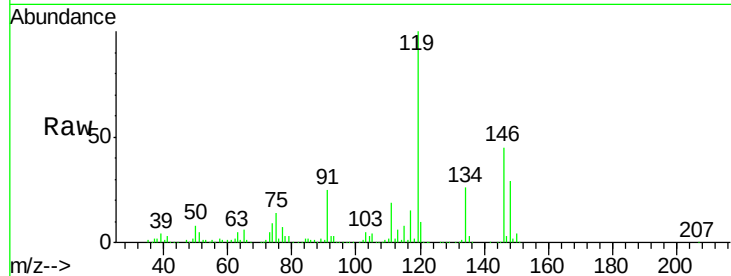
#87
 1,3-Dichlorobenzene
 Concen: 50.661 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion	Ratio	Resp	Lower	Upper
146	100	390819		
111	40.7	21.1	63.3	
148	64.2	31.9	95.9	

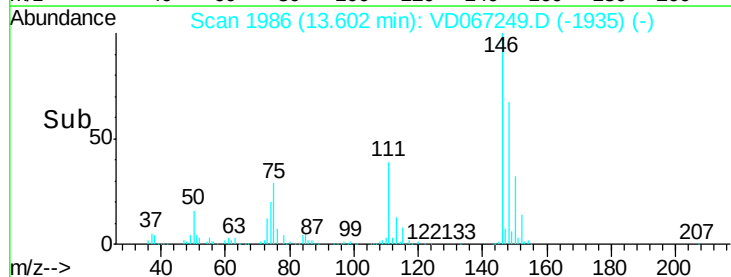
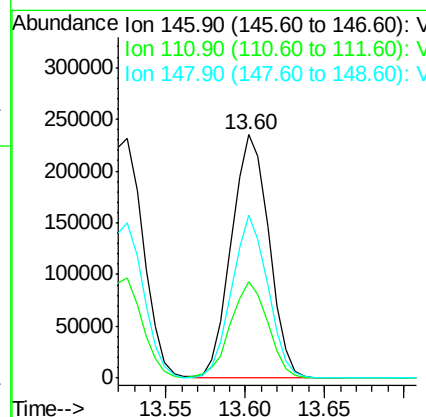
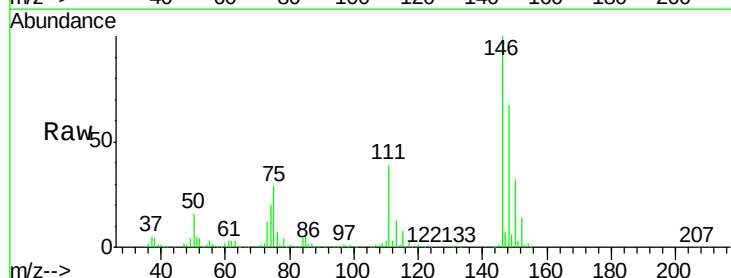
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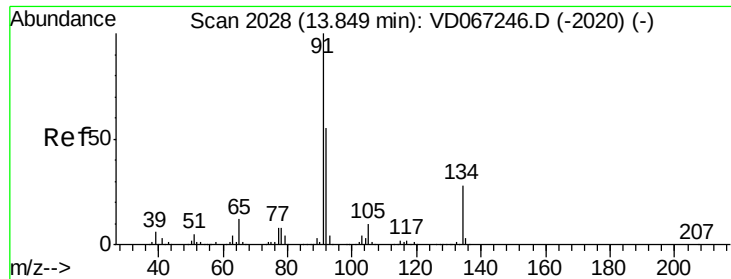
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#88
 1,4-Dichlorobenzene
 Concen: 50.602 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	386753		
111	39.3	19.9	59.7	
148	64.1	31.9	95.9	





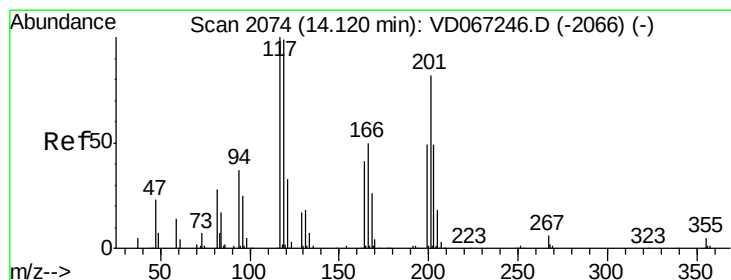
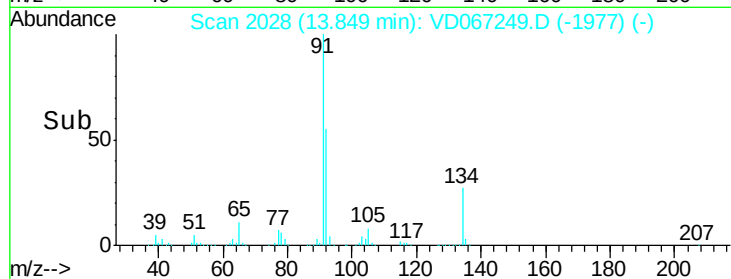
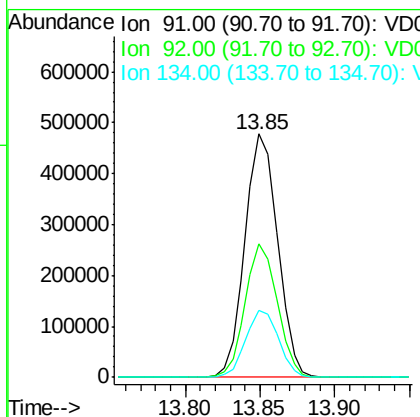
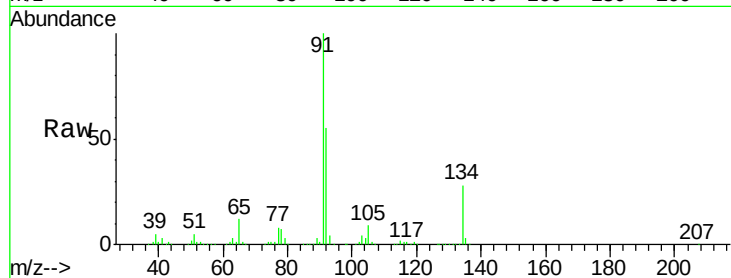
#89
n-Butylbenzene
Concen: 53.988 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	26.7	80.0
134	27.7	14.2	42.6

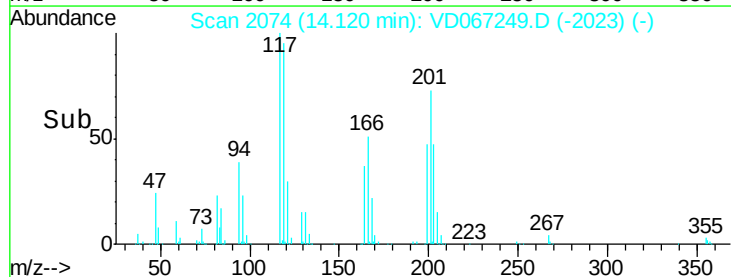
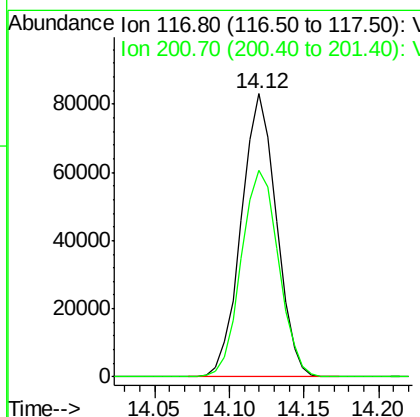
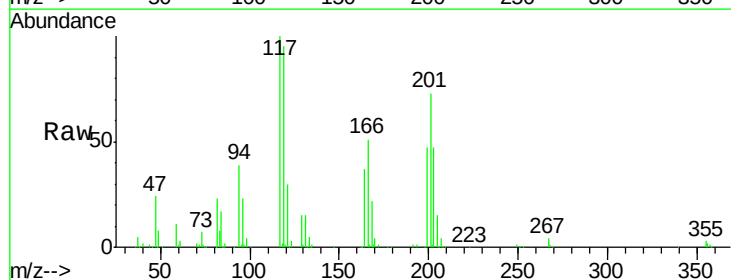
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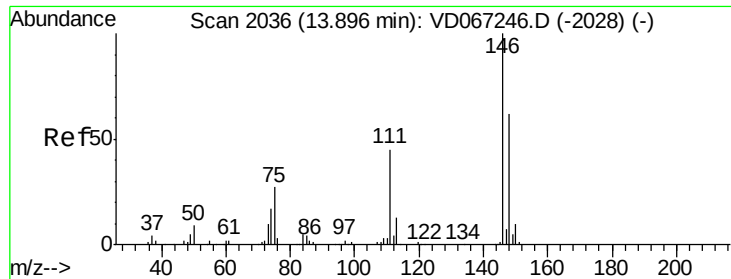
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#90
Hexachloroethane
Concen: 50.874 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
117	100		
201	77.6	40.8	122.2





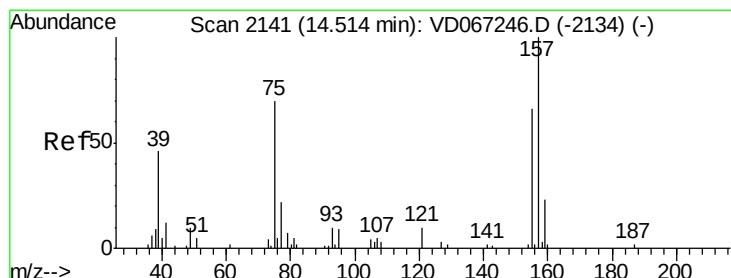
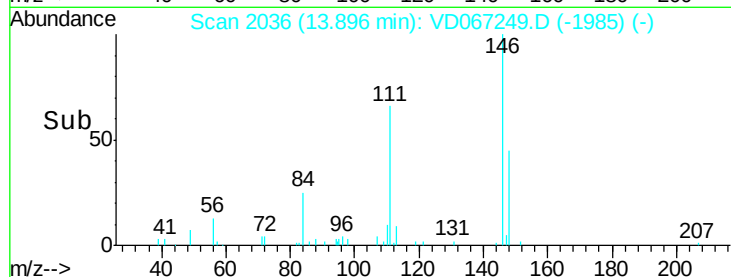
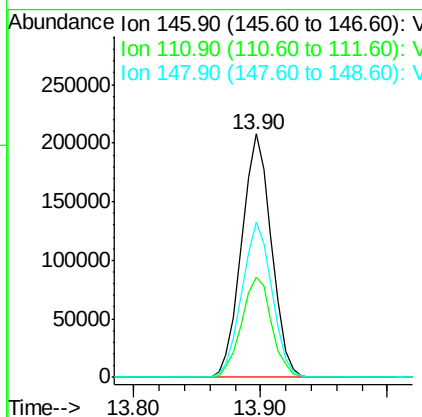
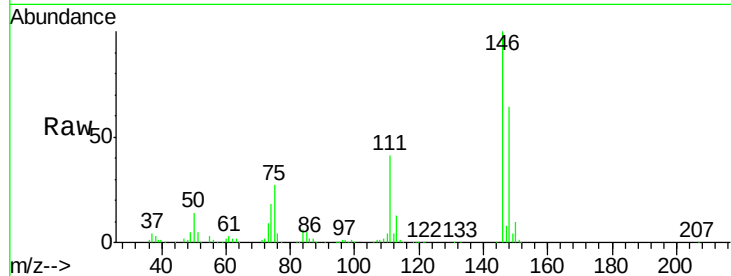
#91
 1,2-Dichlorobenzene
 Concen: 50.438 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Instrument :
 MSVOA_D
 ClientSampleId :
 ICVVD101320

Tot Ion	Ratio	Resp	Lower	Upper
146	100	339910		
111	41.5	22.0	66.0	
148	64.2	32.5	97.5	

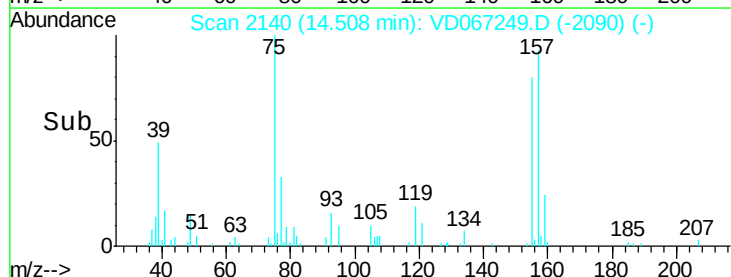
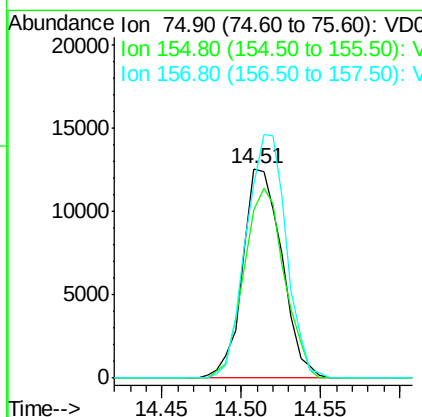
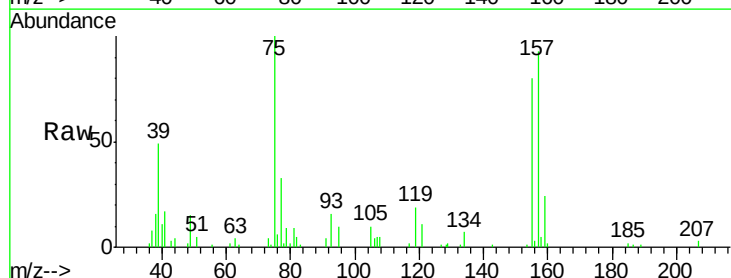
Manual Integrations
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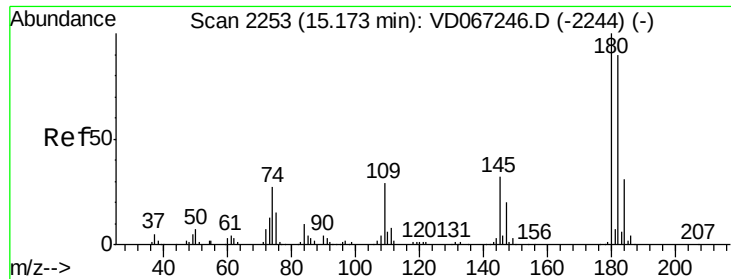
MMDadoda
 10/14/2020 2:10:17 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.304 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067249.D
 Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	21616		
155	93.2	44.8	134.4	
157	119.2	62.5	187.4	





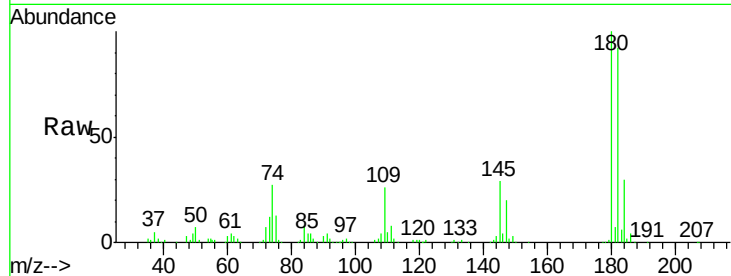
#93
1,2,4-Trichlorobenzene
Concen: 54.773 ug/l
RT: 15.17 min Scan# 2253
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

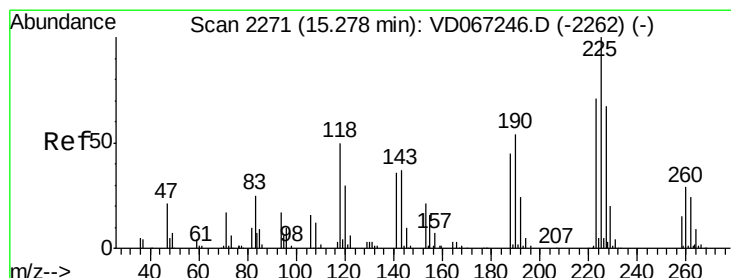
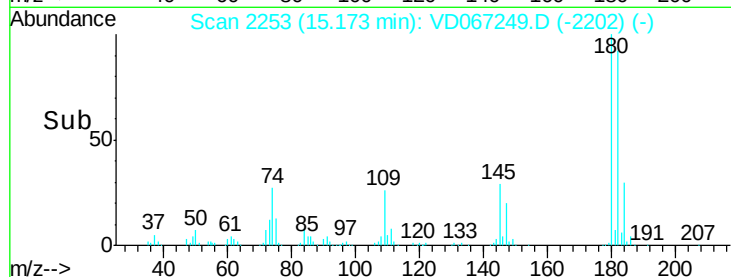
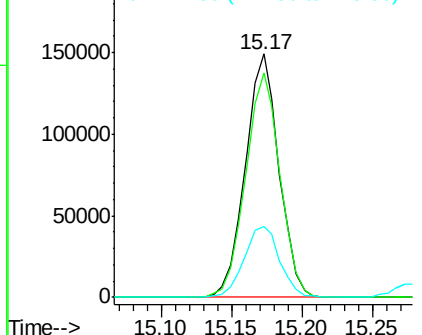
Tot Ion	Ratio	Resp	Lower	Upper
180	100	248876		
182	94.2	48.1	144.4	
145	30.8	16.3	48.9	

Manual Integrations
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MMDadoda
10/14/2020 2:10:17 PM

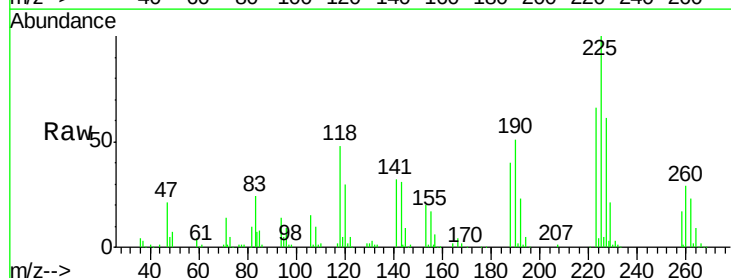


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

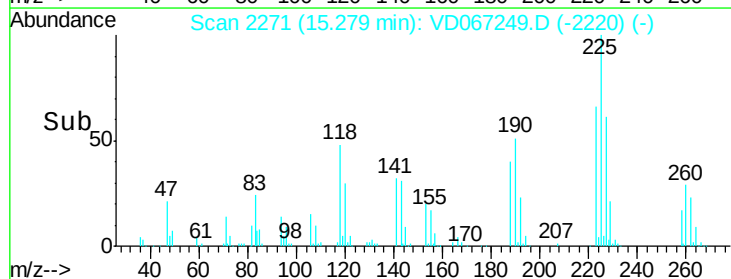
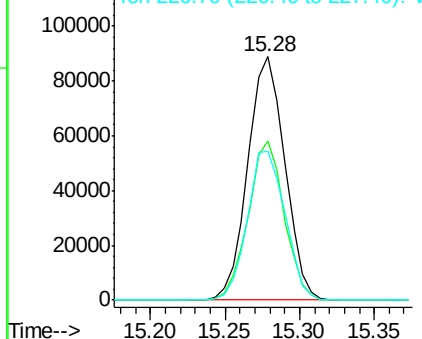


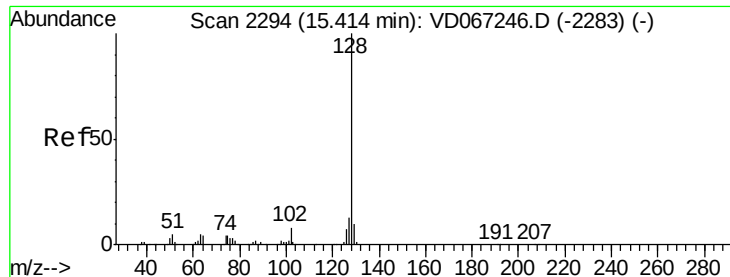
#94
Hexachlorobutadiene
Concen: 54.134 ug/l
RT: 15.28 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	152746		
223	63.4	31.9	95.7	
227	62.2	31.2	93.6	



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





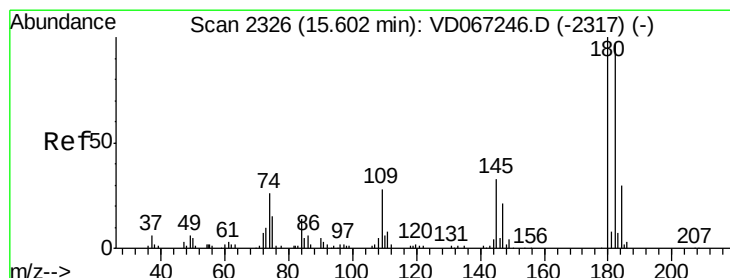
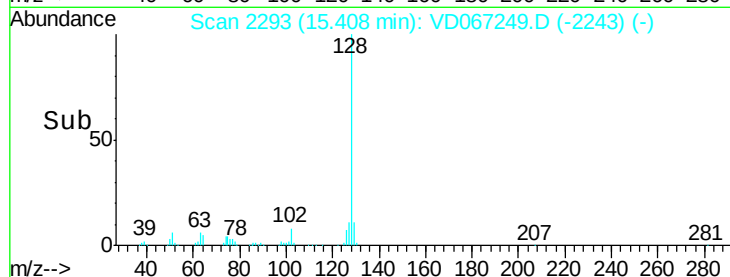
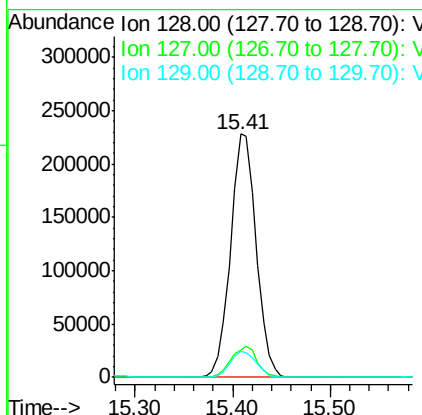
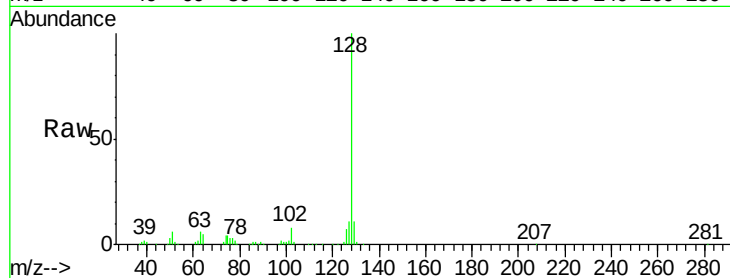
#95
Naphthalene
Concen: 55.381 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Instrument :
MSVOA_D
ClientSampleId :
ICVVD101320

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.9	8.6	12.8

Manual Integrations
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10/14/2020 2:10:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.334 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067249.D
Acq: 13 Oct 2020 13:38

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.4	48.1	144.3
145	33.9	17.3	51.9

