

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102820\
 Data File : VD067443.D
 Acq On : 28 Oct 2020 19:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 10/29/2020 12:00:58 PM

Quant Time: Oct 29 01:27:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	290639	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	433875	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	419699	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	212530	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	146840	50.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.86%	
35) Dibromofluoromethane	7.91	113	151156	52.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.70%	
50) Toluene-d8	10.34	98	537020	51.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.78%	
62) 4-Bromofluorobenzene	12.64	95	184452	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	94419	39.559	ug/l	96
3) Chloromethane	2.21	50	70169	38.362	ug/l	96
4) Vinyl Chloride	2.35	62	80334	40.028	ug/l	90
5) Bromomethane	2.77	94	68163	48.748	ug/l	95
6) Chloroethane	2.92	64	54203	43.366	ug/l	100
7) Trichlorofluoromethane	3.27	101	227371	44.991	ug/l	93
8) Diethyl Ether	3.70	74	56862	49.171	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.09	101	127409	47.452	ug/l	98
10) Methyl Iodide	4.30	142	111792	45.135	ug/l	97
11) Tert butyl alcohol	5.21	59	38090	251.970	ug/l	98
12) 1,1-Dichloroethene	4.07	96	110104	45.902	ug/l	97
13) Acrolein	3.92	56	34088	200.571	ug/l	96
14) Allyl chloride	4.71	41	132459	48.220	ug/l	99
15) Acrylonitrile	5.43	53	101464	262.954	ug/l	99
16) Acetone	4.16	43	94126	230.818	ug/l	99
17) Carbon Disulfide	4.41	76	275386	40.272	ug/l	96
18) Methyl Acetate	4.72	43	51122	54.963	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	250331	52.485	ug/l	95
20) Methylene Chloride	4.97	84	140371	54.107	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	133471	48.353	ug/l	97
22) Diisopropyl ether	6.37	45	266357	53.080	ug/l	96
23) Vinyl Acetate	6.31	43	771962	270.402	ug/l	100
24) 1,1-Dichloroethane	6.27	63	216004	50.286	ug/l	97
25) 2-Butanone	7.22	43	116506	250.635	ug/l	93
26) 2,2-Dichloropropane	7.21	77	205909	46.507	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	156333	51.675	ug/l	98
28) Bromochloromethane	7.56	49	77707	53.037	ug/l	98
29) Tetrahydrofuran	7.56	42	66643	257.910	ug/l	90
30) Chloroform	7.71	83	262422	51.141	ug/l	92
31) Cyclohexane	7.99	56	144872	43.197	ug/l	90
32) 1,1,1-Trichloroethane	7.91	97	249379	49.532	ug/l	98
36) 1,1-Dichloropropene	8.11	75	174105	47.345	ug/l	99
37) Ethyl Acetate	7.29	43	56152	51.899	ug/l	96
38) Carbon Tetrachloride	8.10	117	231877	49.335	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	181507	47.213	ug/l	99
40) Benzene	8.36	78	510072	50.560	ug/l	98
41) Methacrylonitrile	7.52	41	31298m	53.531	ug/l	
42) 1,2-Dichloroethane	8.43	62	162070	51.334	ug/l	100
43) Isopropyl Acetate	8.46	43	113410	52.826	ug/l	99
44) Trichloroethene	9.11	130	159527	49.388	ug/l	89
45) 1,2-Dichloropropane	9.39	63	119021	50.905	ug/l	95
46) Dibromomethane	9.48	93	76944	52.819	ug/l	95
47) Bromodichloromethane	9.67	83	208783	53.494	ug/l	98
48) Methyl methacrylate	9.46	41	59388	56.923	ug/l	90
49) 1,4-Dioxane	9.47	88	16393	1167.940	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	289723	270.568	ug/l	100
52) Toluene	10.41	92	360830	52.513	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	182994	53.373	ug/l	93
54) cis-1,3-Dichloropropene	10.10	75	210775	52.530	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	105726	53.223	ug/l	96
56) Ethyl methacrylate	10.67	69	114990	55.815	ug/l	99
57) 1,3-Dichloropropane	10.95	76	169573	53.640	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	298775	282.697	ug/l	99
59) 2-Hexanone	10.99	43	193160	263.986	ug/l	97
60) Dibromochloromethane	11.14	129	150805	52.056	ug/l	97
61) 1,2-Dibromoethane	11.25	107	102733	52.458	ug/l	99
64) Tetrachloroethene	10.88	164	141246	46.449	ug/l	97
65) Chlorobenzene	11.67	112	397944	49.445	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	164088	51.298	ug/l	98
67) Ethyl Benzene	11.75	91	693032	50.234	ug/l	99
68) m/p-Xylenes	11.86	106	528801	99.536	ug/l	99
69) o-Xylene	12.18	106	243032	49.401	ug/l	98
70) Styrene	12.20	104	432565	51.078	ug/l	98
71) Bromoform	12.37	173	88714	51.625	ug/l #	100
73) Isopropylbenzene	12.48	105	695779	51.583	ug/l	100
74) N-amyl acetate	12.29	43	99617	48.899	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.73	83	107512	52.020	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	76925m	52.222	ug/l	
77) Bromobenzene	12.77	156	169901	50.523	ug/l	99
78) n-propylbenzene	12.83	91	776484	49.685	ug/l	99
79) 2-Chlorotoluene	12.91	91	460378	50.797	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	604677	51.587	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	32973	50.761	ug/l	95
82) 4-Chlorotoluene	13.01	91	487186	50.647	ug/l	100
83) tert-Butylbenzene	13.23	119	516077	52.122	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	596529	51.491	ug/l	98
85) sec-Butylbenzene	13.41	105	674138	49.620	ug/l	100
86) p-Isopropyltoluene	13.52	119	656705	51.211	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	322723	49.859	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	319953	49.893	ug/l	99
89) n-Butylbenzene	13.85	91	565762	50.150	ug/l	100
90) Hexachloroethane	14.12	117	108645	48.551	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	283868	50.202	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19376	51.605	ug/l	92

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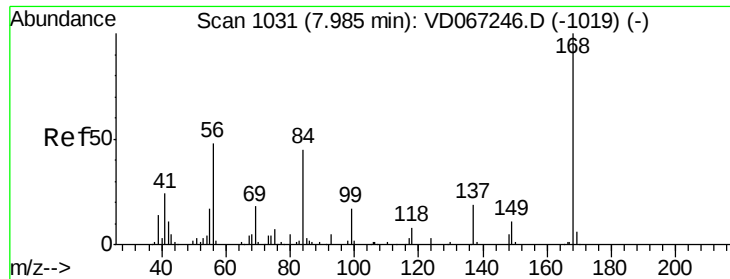
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	201708	52.909	ug/l	98
94) Hexachlorobutadiene	15.27	225	121182	51.187	ug/l	97
95) Naphthalene	15.41	128	339439	54.230	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	173828	52.778	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 290639

Ion Ratio Lower Upper

168 100

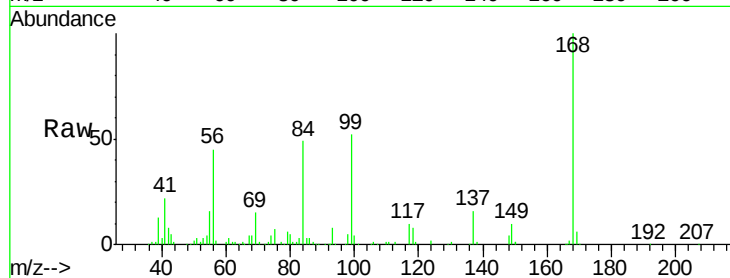
99 51.6 45.9 68.9

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

7.99

150000

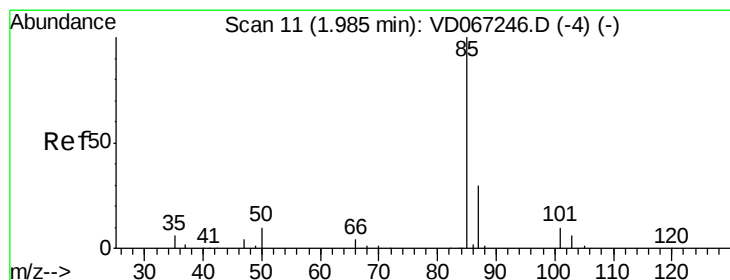
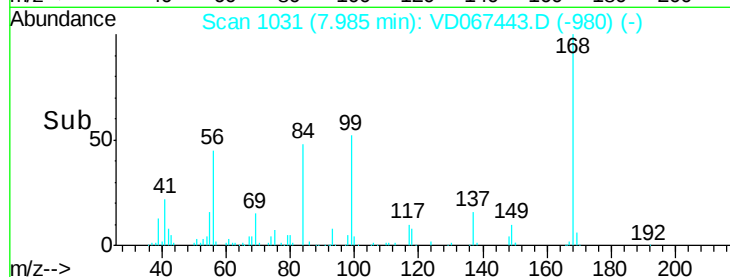
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50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 39.559 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067443.D

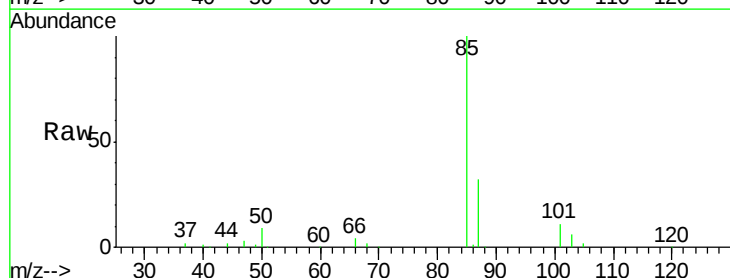
Acq: 28 Oct 2020 19:41

Tgt Ion: 85 Resp: 94419

Ion Ratio Lower Upper

85 100

87 32.5 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

80000

60000

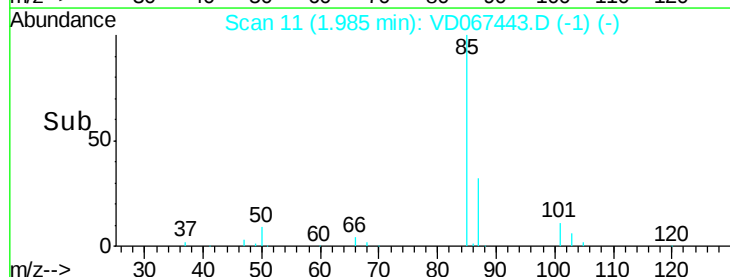
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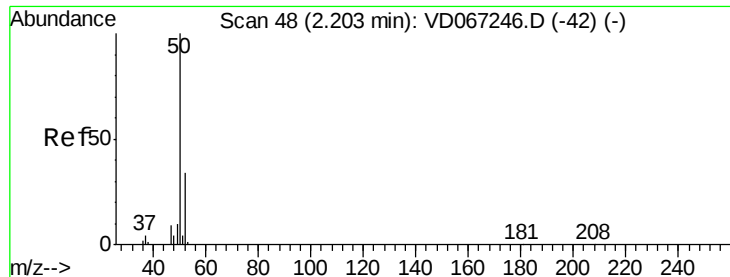
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 38.362 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 70169

Ion Ratio Lower Upper

50 100

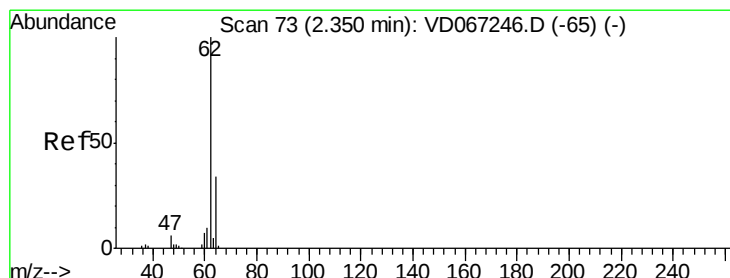
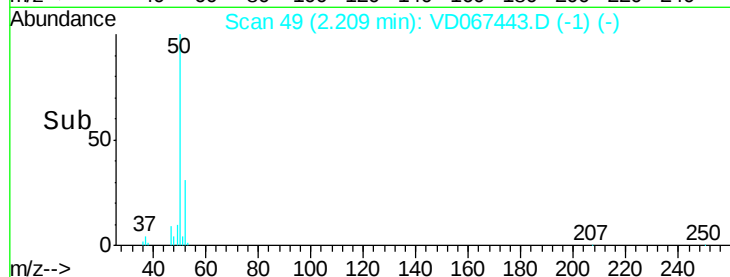
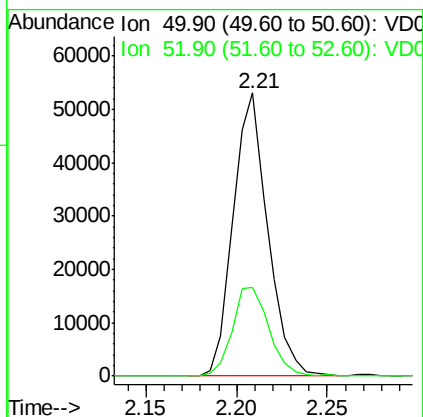
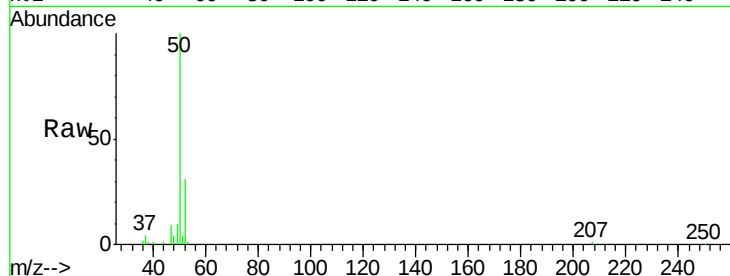
52 31.4 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 40.028 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067443.D

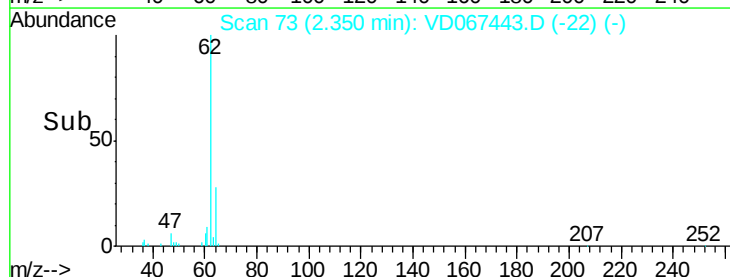
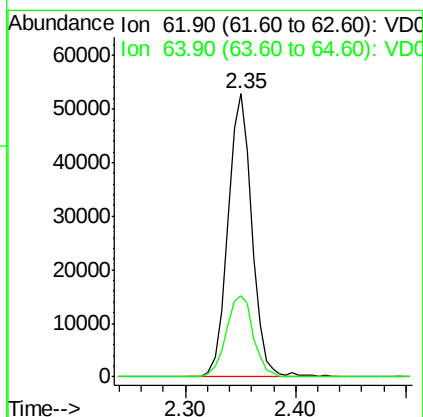
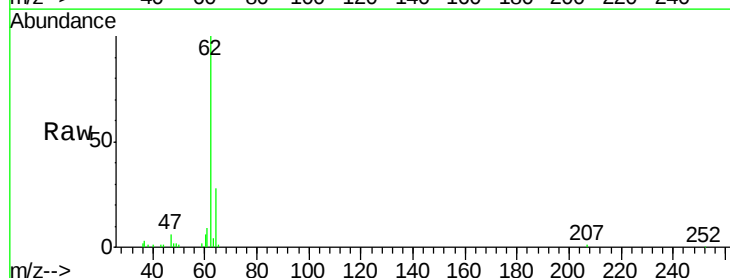
Acq: 28 Oct 2020 19:41

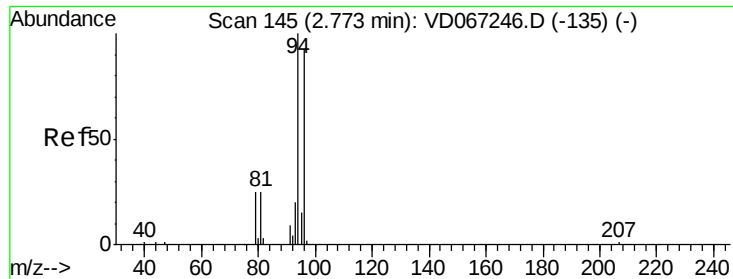
Tgt Ion: 62 Resp: 80334

Ion Ratio Lower Upper

62 100

64 28.5 27.4 41.0





#5

Bromomethane

Concen: 48.748 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

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ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 68163

Ion Ratio Lower Upper

94 100

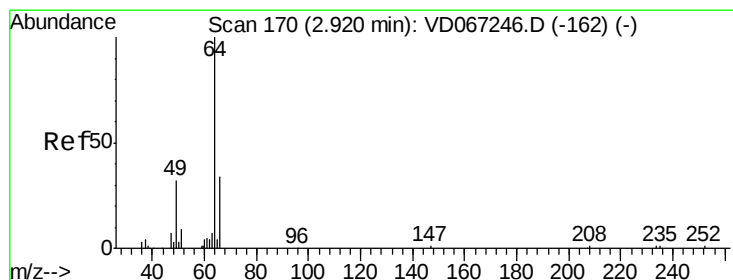
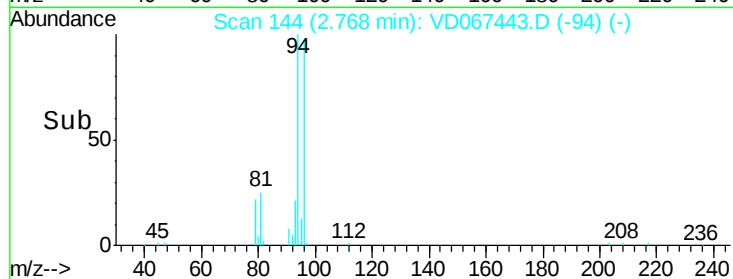
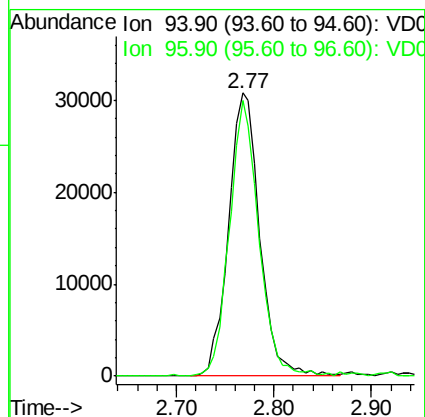
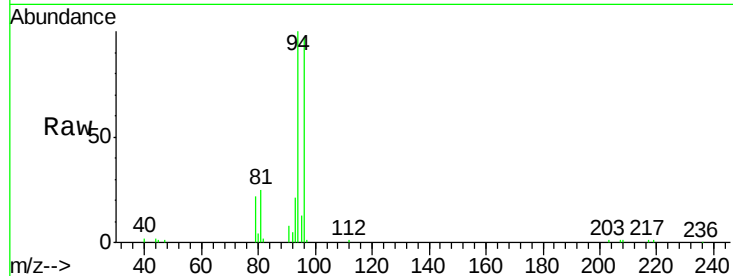
96 97.3 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 43.366 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067443.D

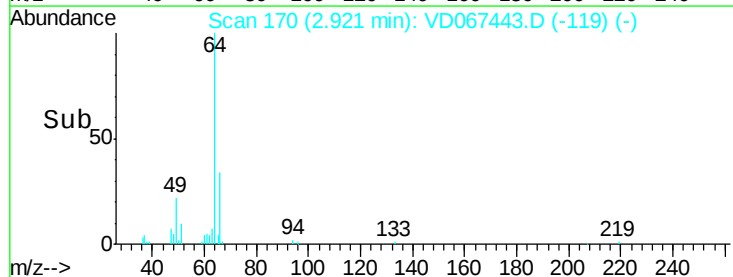
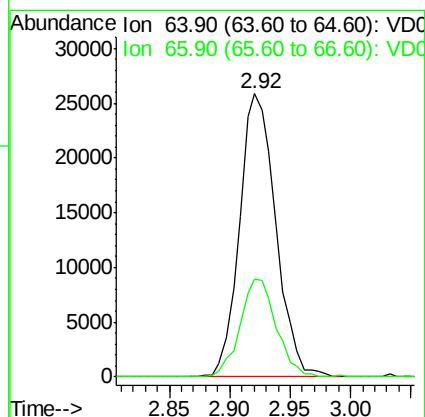
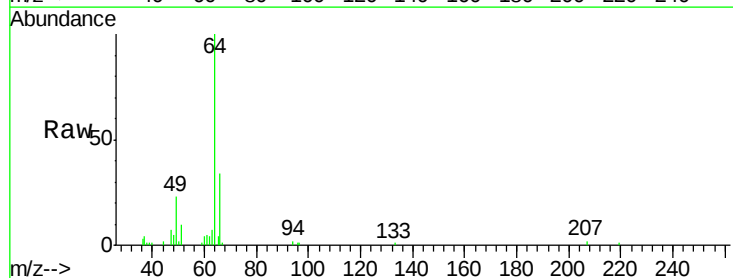
Acq: 28 Oct 2020 19:41

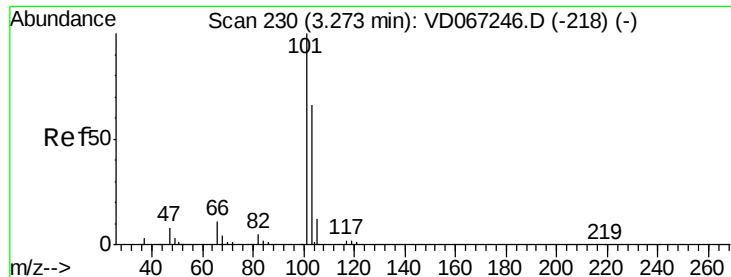
Tgt Ion: 64 Resp: 54203

Ion Ratio Lower Upper

64 100

66 34.3 27.4 41.0





#7

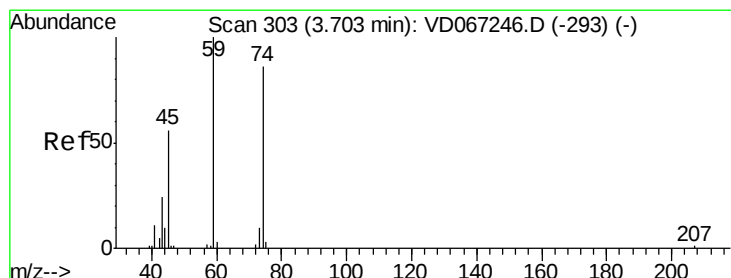
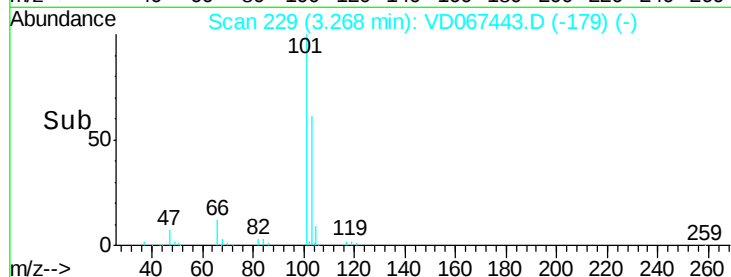
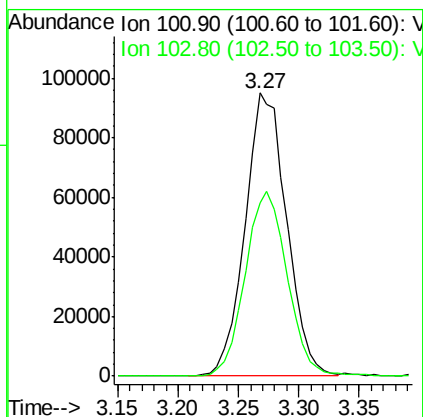
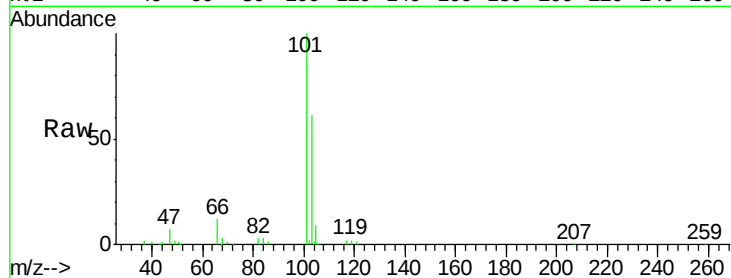
Trichlorofluoromethane
Concen: 44.991 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067443.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	61.2	53.1	79.7

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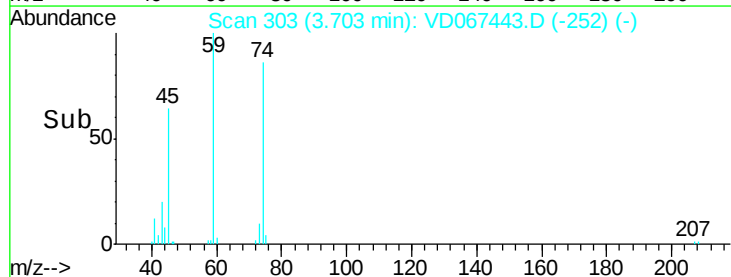
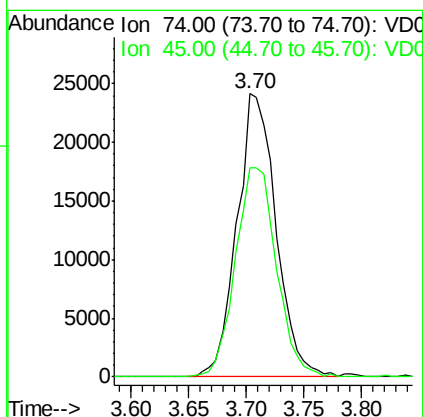
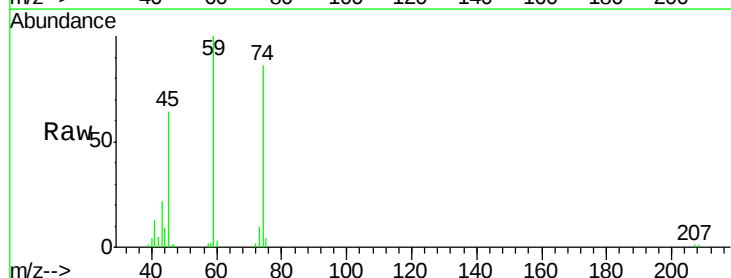
MMDadoda
10/29/2020 12:00:58 PM

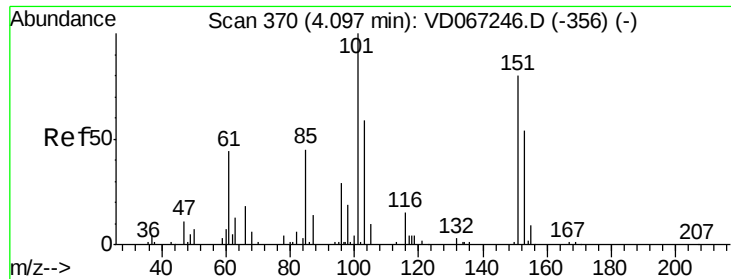


#8

Diethyl Ether
Concen: 49.171 ug/l
RT: 3.70 min Scan# 303
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
74	100		
45	77.5	37.0	111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.452 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

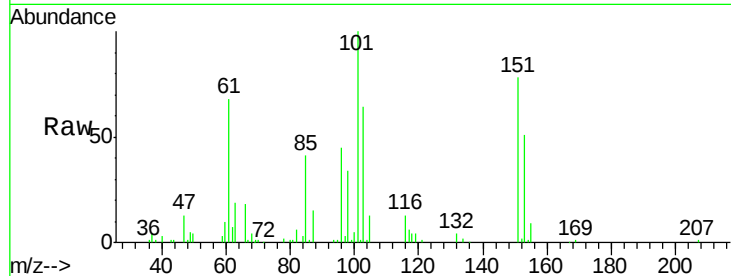
ClientSampleId :

VSTDCCC050EC

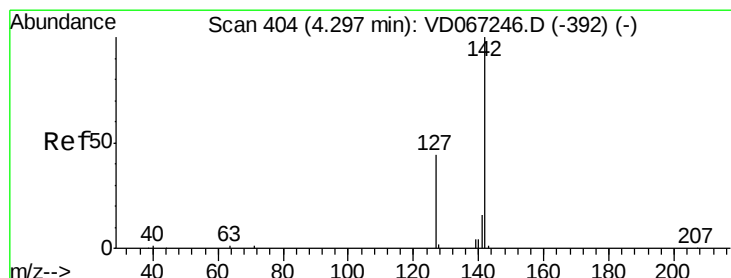
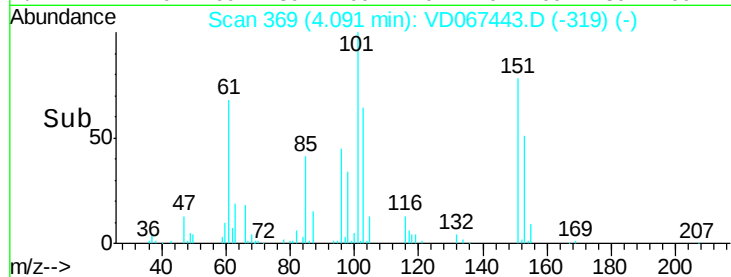
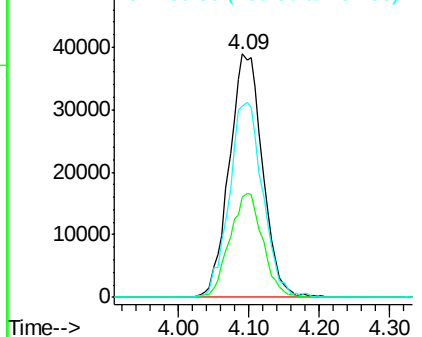
Tot Ion:	101	Resp:	127409
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.4
151	81.0	66.3	99.5

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



#10

Methyl Iodide

Concen: 45.135 ug/l

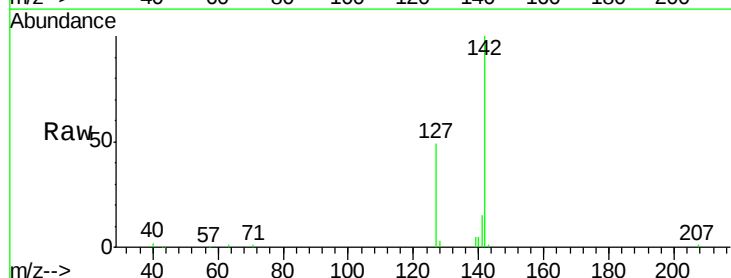
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

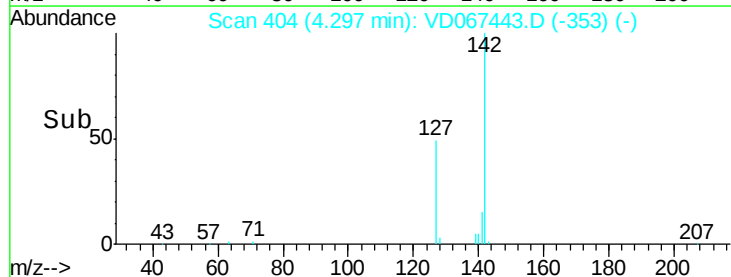
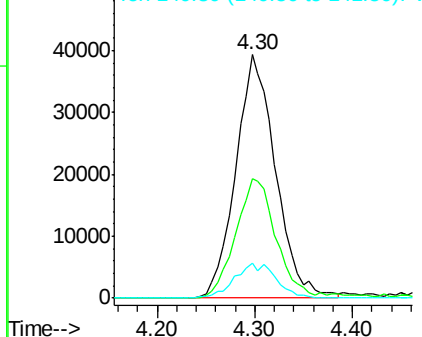
Lab File: VD067443.D

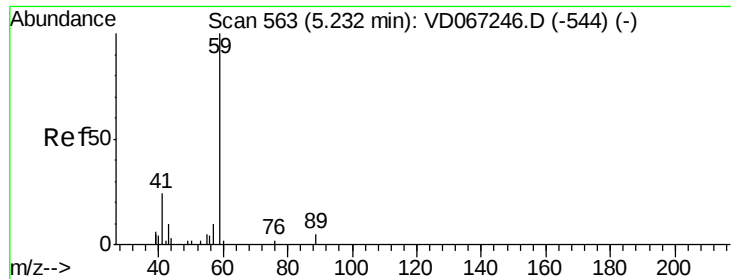
Acq: 28 Oct 2020 19:41

Tgt Ion:	142	Resp:	111792
Ion Ratio	Lower	Upper	
142	100		
127	50.4	38.4	57.6
141	15.1	11.6	17.4



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





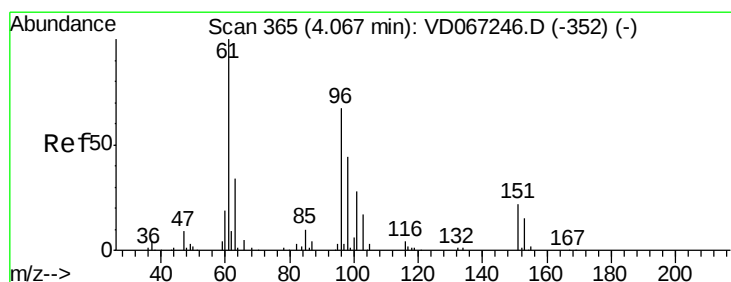
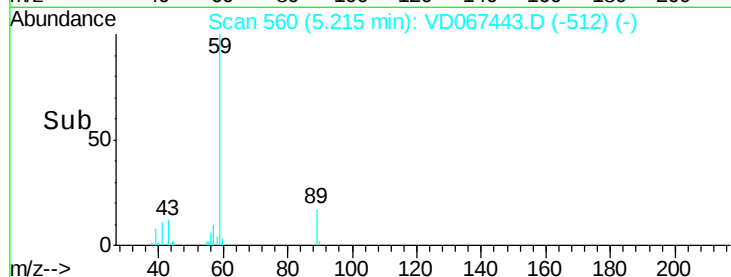
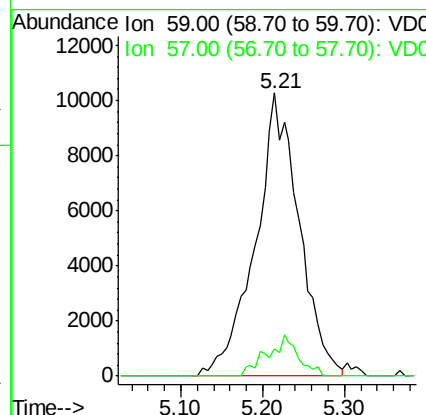
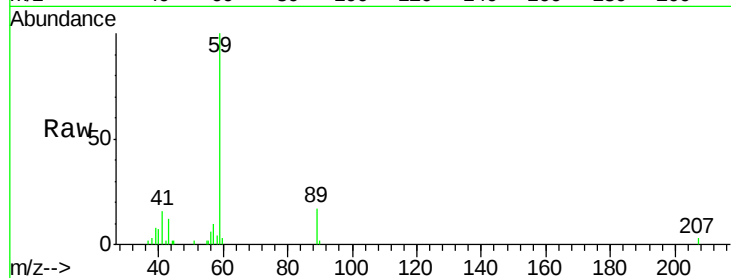
#11
Tert butyl alcohol
Concen: 251.970 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 59 Resp: 38090
Ion Ratio Lower Upper
59 100
57 7.1 5.1 7.7

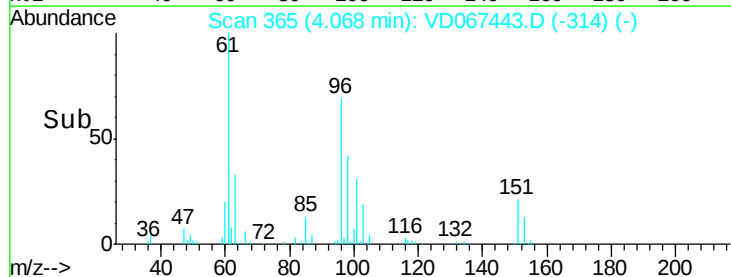
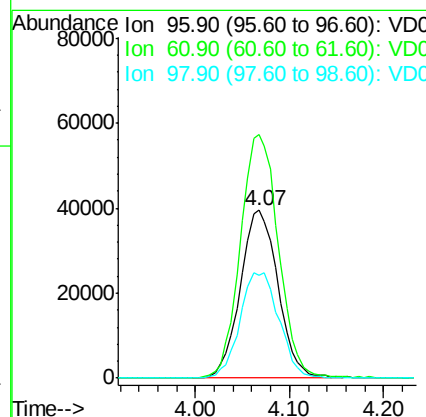
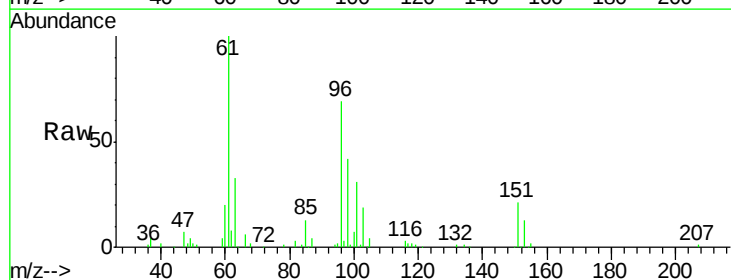
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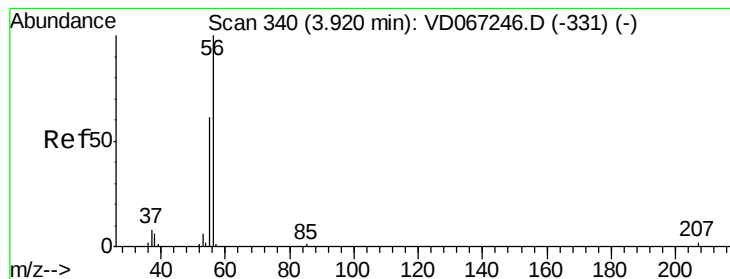
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#12
1,1-Dichloroethene
Concen: 45.902 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 96 Resp: 110104
Ion Ratio Lower Upper
96 100
61 145.3 118.6 177.8
98 61.3 51.8 77.6





#13

Acrolein

Concen: 200.571 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 34088

Ion Ratio Lower Upper

56 100

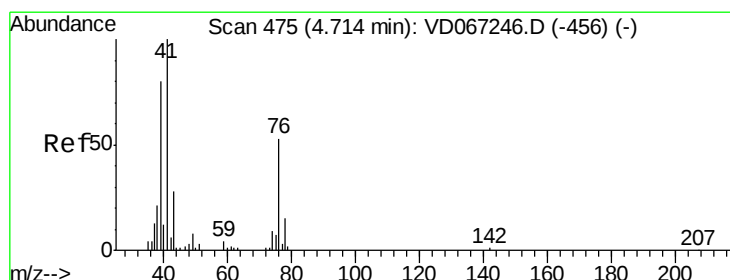
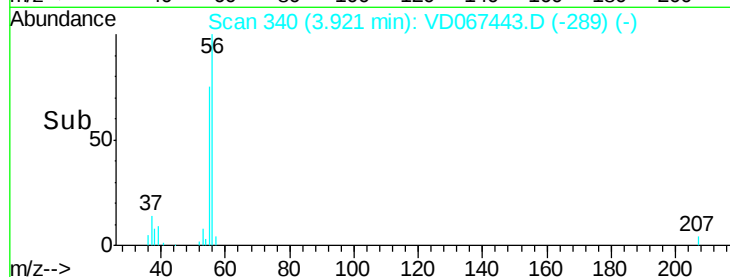
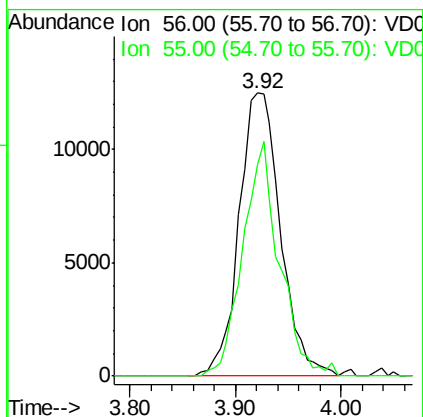
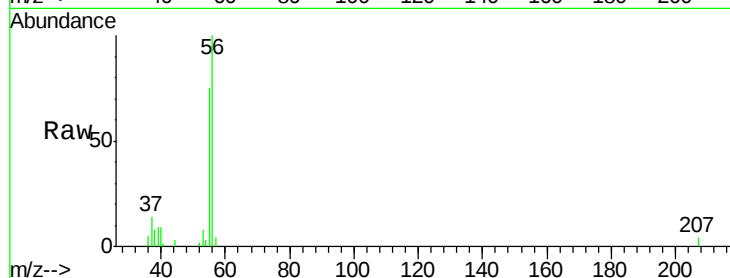
55 73.2 56.0 84.0

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#14

Allyl chloride

Concen: 48.220 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

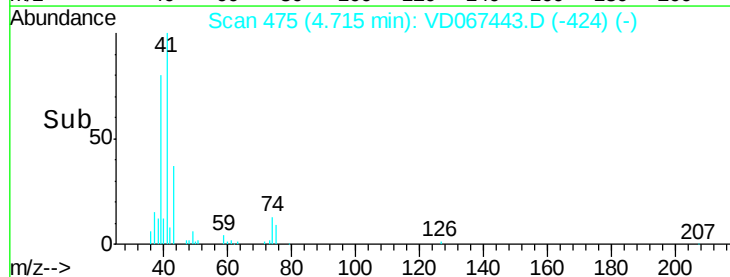
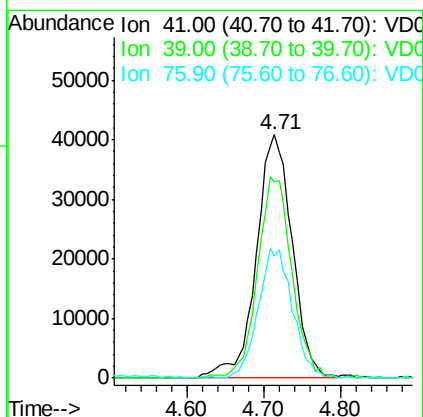
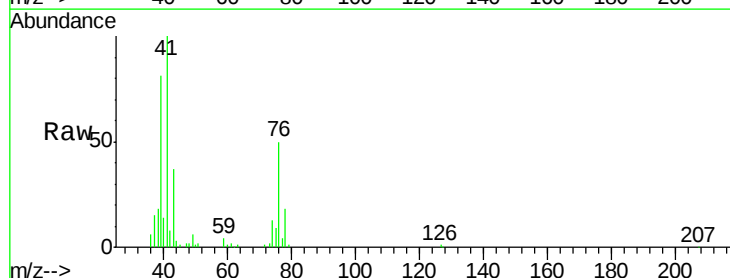
Tgt Ion: 41 Resp: 132459

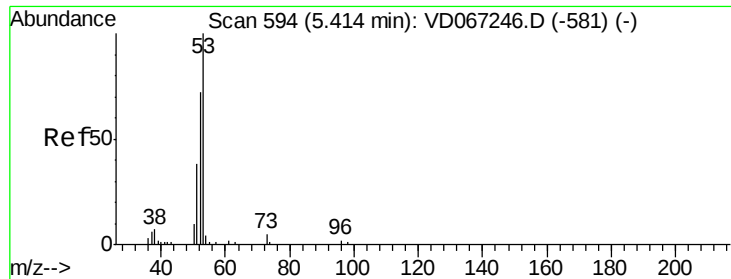
Ion Ratio Lower Upper

41 100

39 79.2 63.8 95.6

76 50.8 40.4 60.6





#15

Acrylonitrile

Concen: 262.954 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

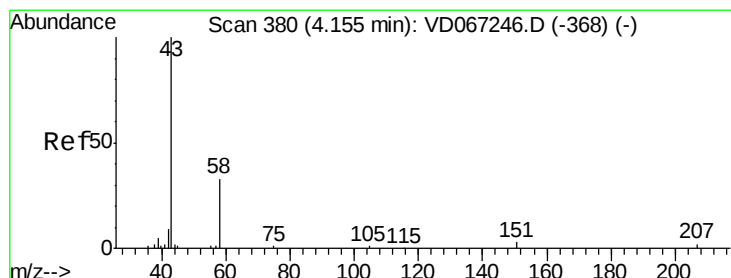
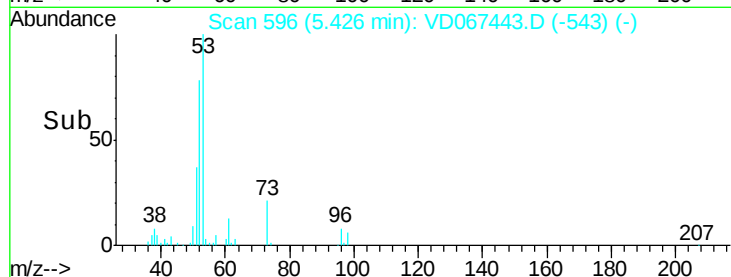
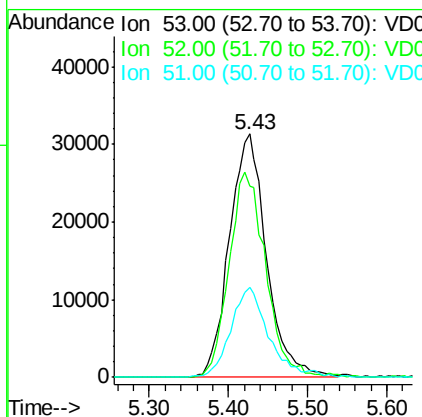
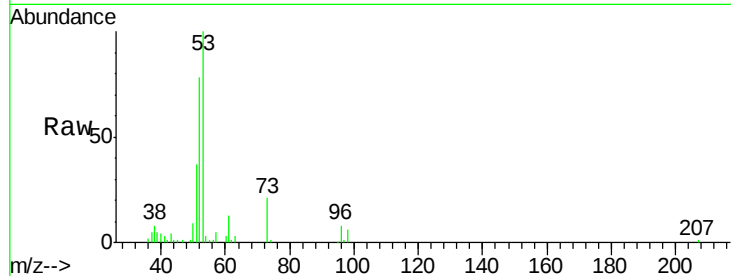
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	101464
Ion	Ratio	Lower	Upper
53	100		
52	83.1	65.6	98.4
51	38.1	30.8	46.2

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#16

Acetone

Concen: 230.818 ug/l

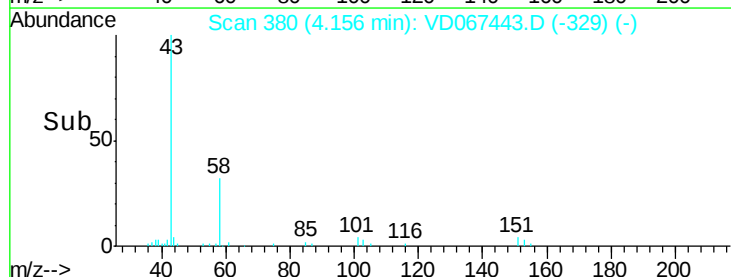
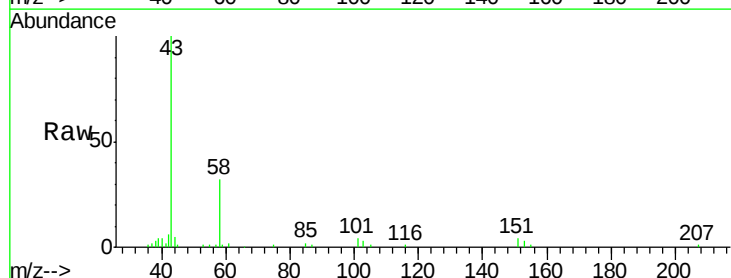
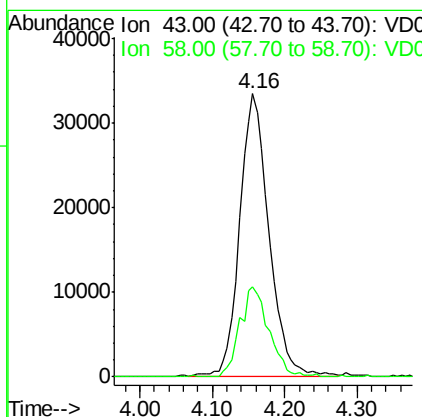
RT: 4.16 min Scan# 380

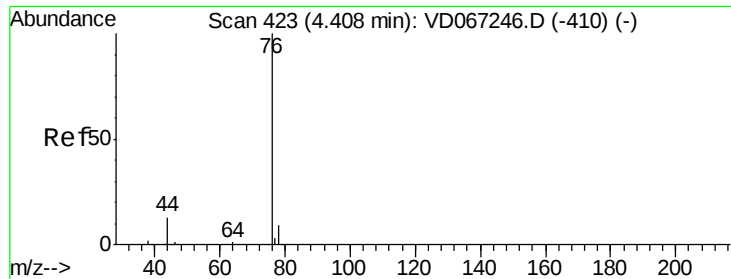
Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Tgt Ion:	43	Resp:	94126
Ion	Ratio	Lower	Upper
43	100		
58	31.8	26.1	39.1





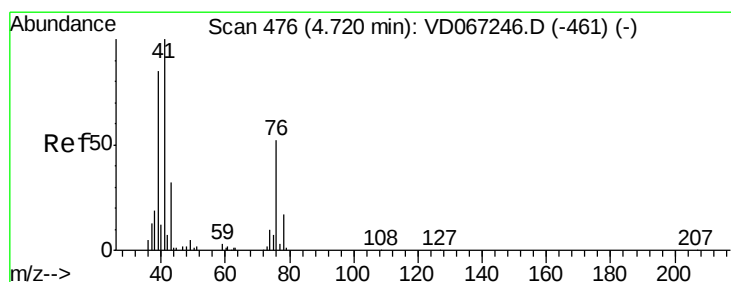
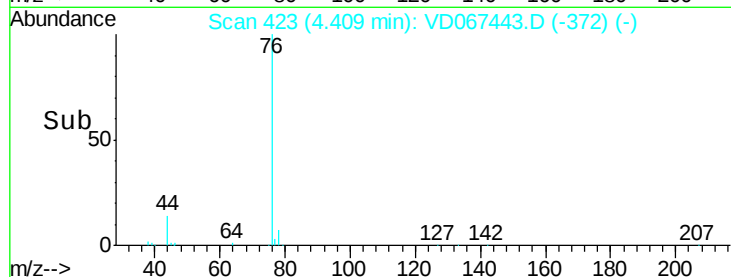
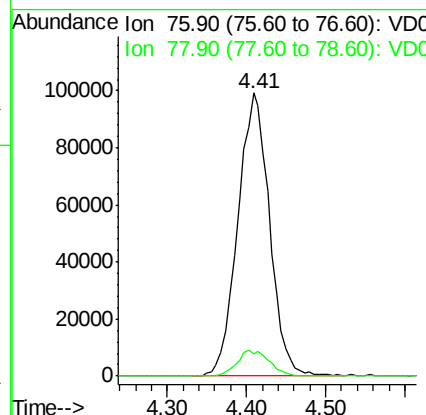
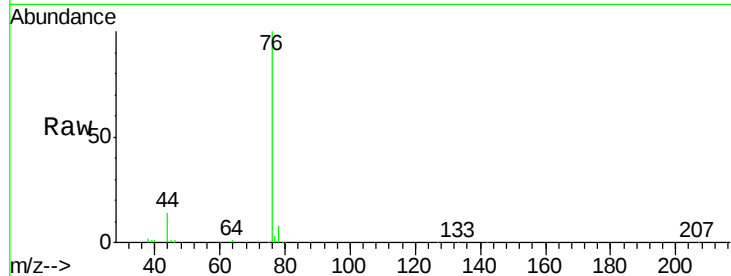
#17
Carbon Disulfide
Concen: 40.272 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	7.9	7.4	11.0

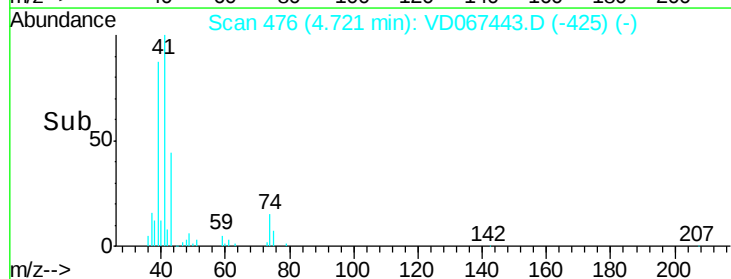
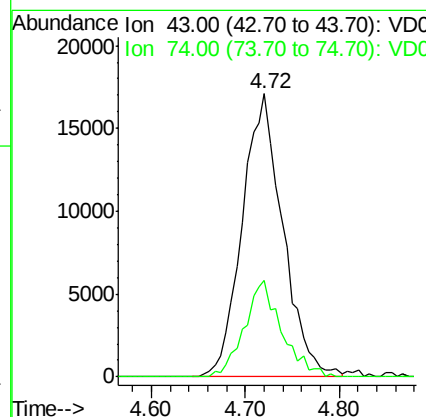
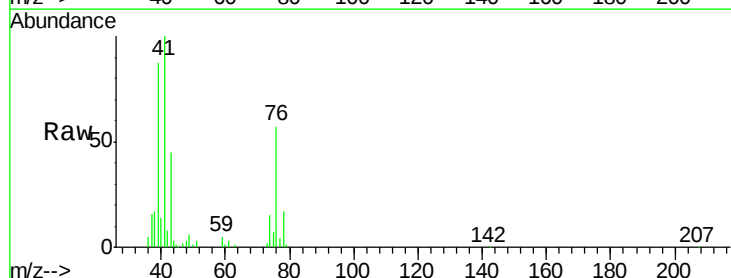
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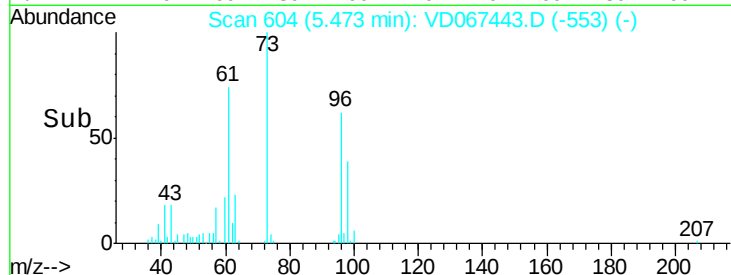
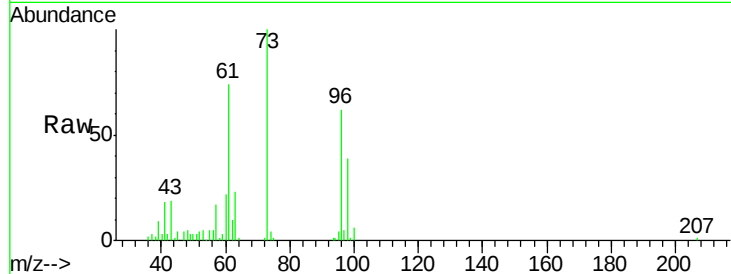
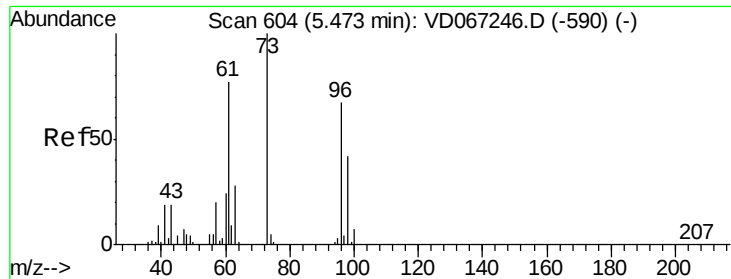
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#18
Methyl Acetate
Concen: 54.963 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.2	26.6	39.8





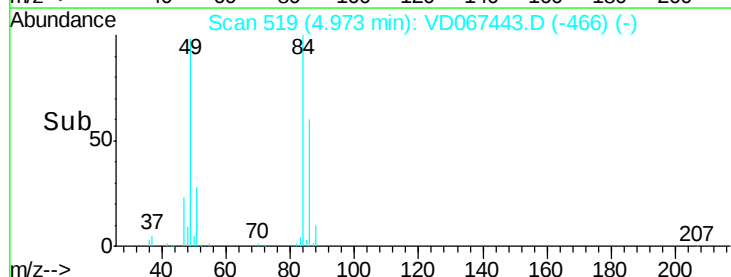
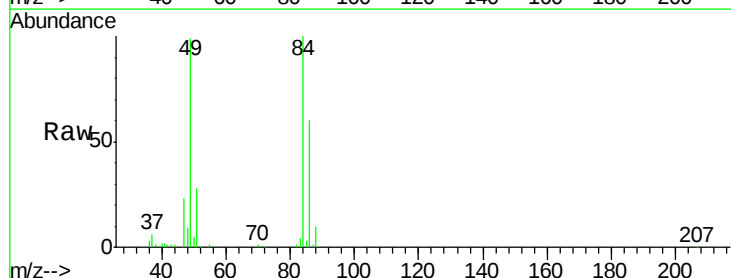
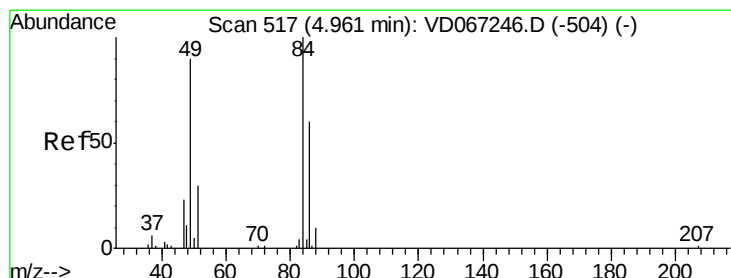
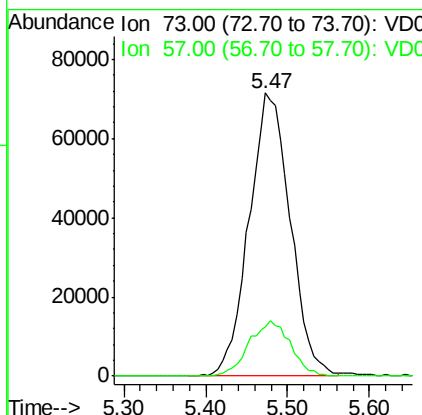
#19
Methvl tert-butvl Ether
Concen: 52.485 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tot Ion: 73 Resp: 250331
Ion Ratio Lower Upper
73 100
57 17.1 15.7 23.5

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

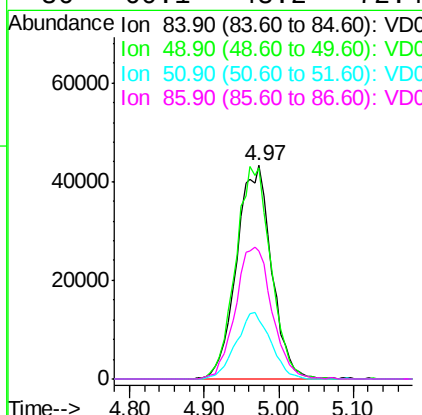
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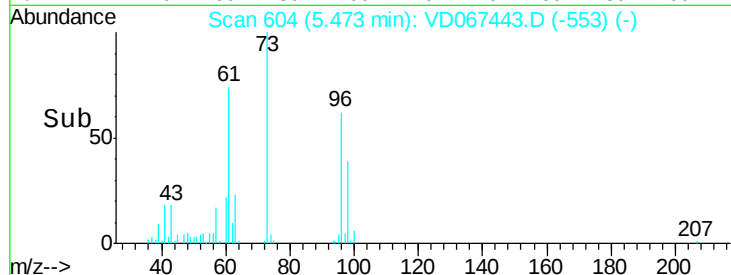
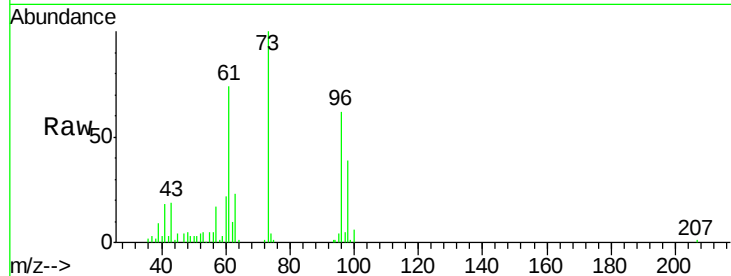
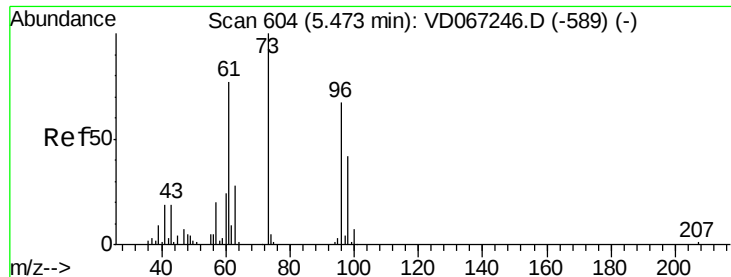
MMDadoda
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#20
Methylene Chloride
Concen: 54.107 ug/l
RT: 4.97 min Scan# 519
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 84 Resp: 140371
Ion Ratio Lower Upper
84 100
49 98.7 72.2 108.2
51 27.6 23.8 35.8
86 60.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 48.353 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067443.D

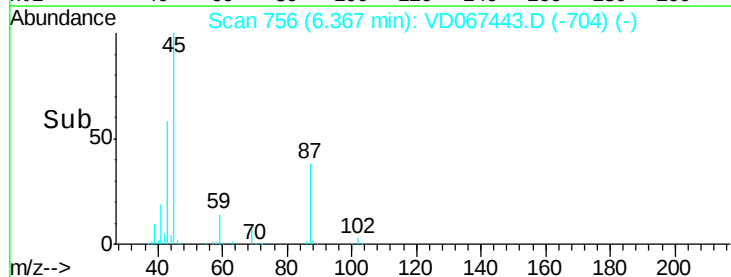
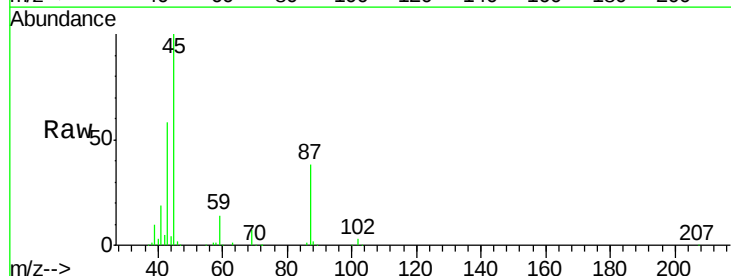
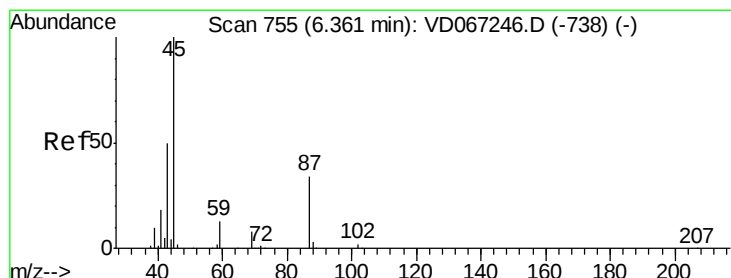
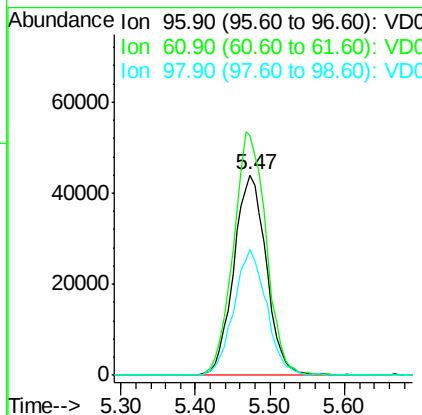
Acq: 28 Oct 2020 19:41

Tot Ion:	96	Resp:	133471
Ion	Ratio	Lower	Upper
96	100		
61	119.6	92.0	138.0
98	62.7	49.8	74.8

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 53.080 ug/l

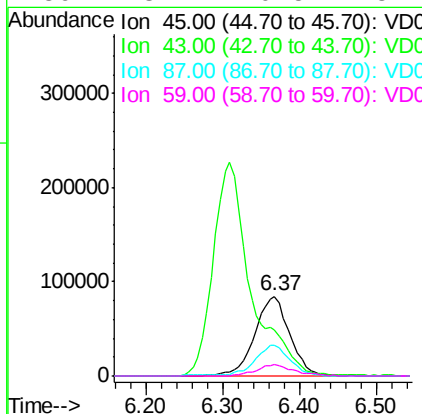
RT: 6.37 min Scan# 756

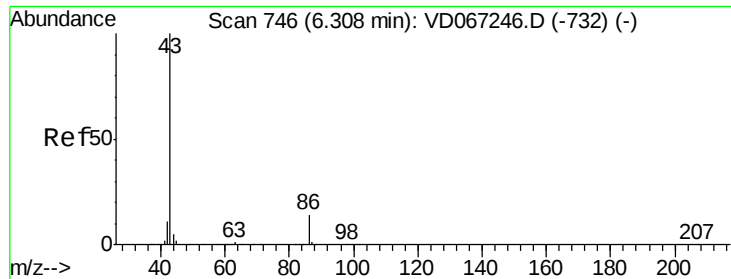
Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Tgt Ion:	45	Resp:	266357
Ion	Ratio	Lower	Upper
45	100		
43	56.6	48.0	72.0
87	38.2	28.5	42.7
59	13.7	10.5	15.7





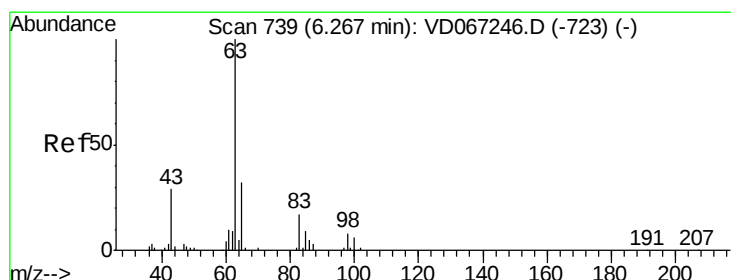
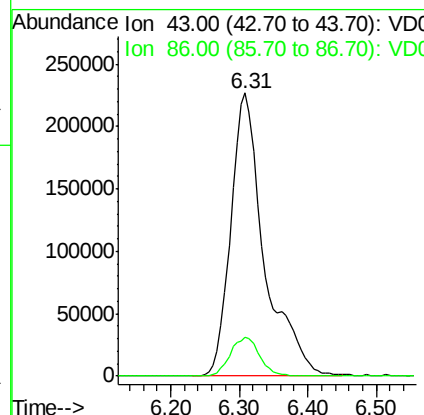
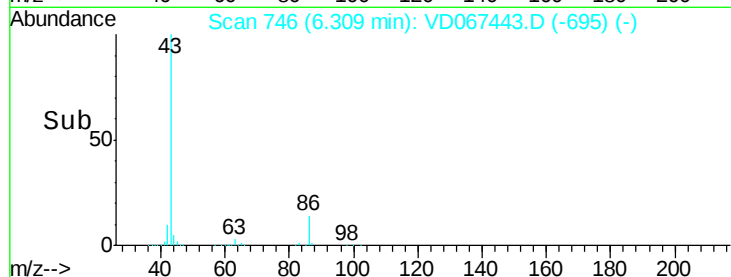
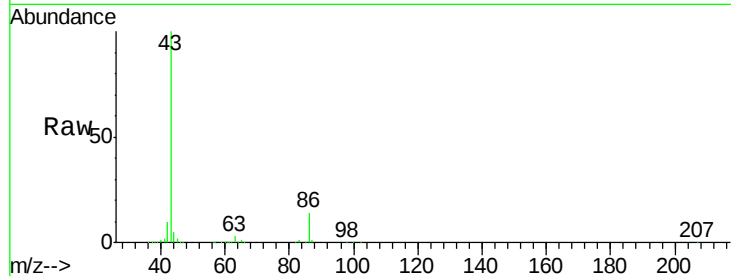
#23
 Vinyl Acetate
 Concen: 270.402 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
86	13.7	11.0	16.6

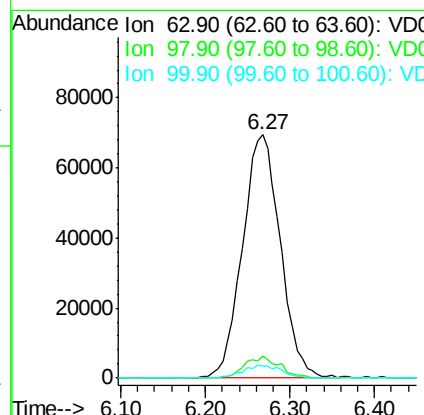
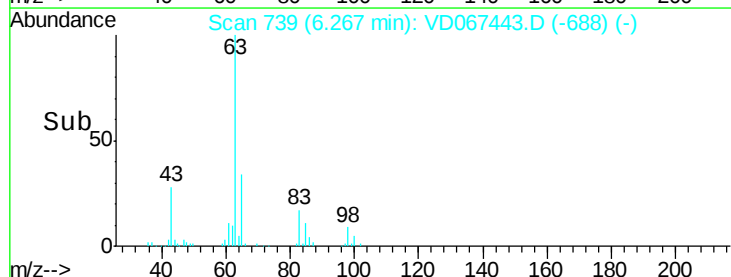
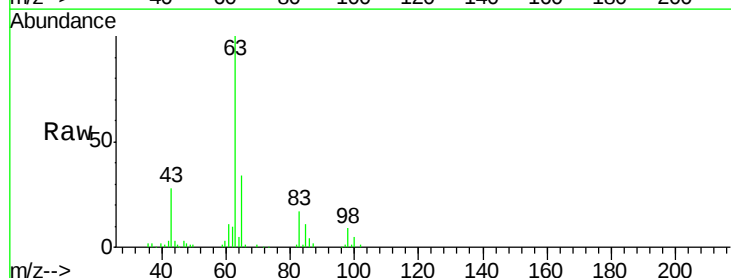
Manual Integrations
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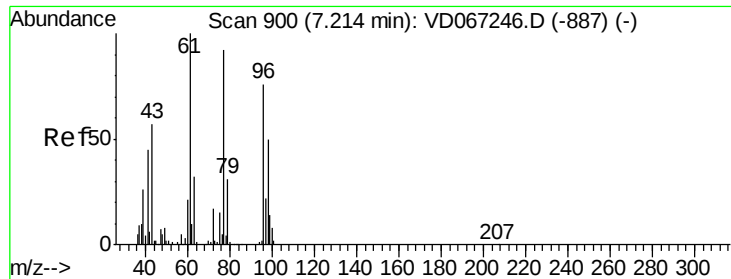
MMDadoda
 10/29/2020 12:00:58 PM



#24
 1,1-Dichloroethane
 Concen: 50.286 ug/l
 RT: 6.27 min Scan# 739
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
63	100		
98	9.2	4.0	12.2
100	4.9	2.8	8.4





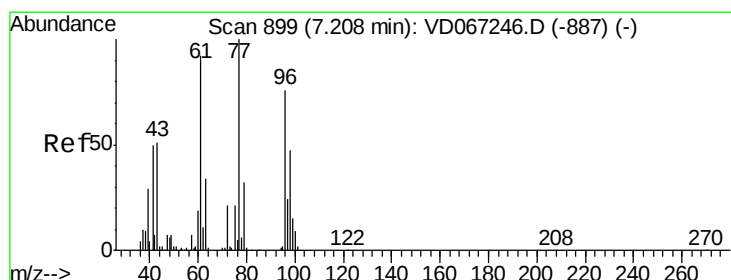
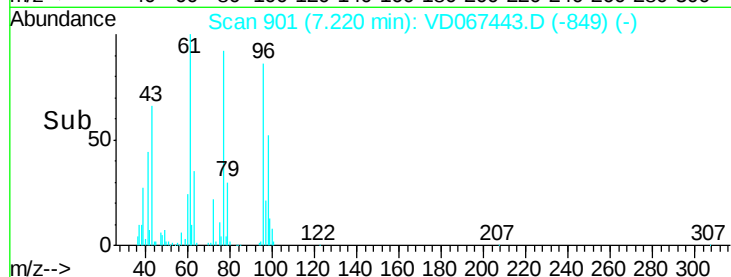
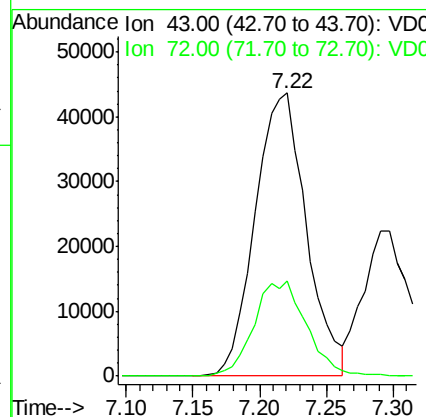
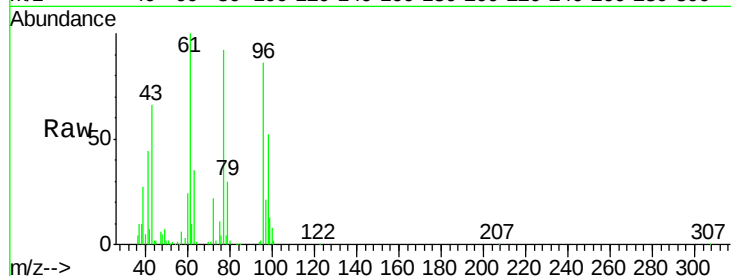
#25
2-Butanone
Concen: 250.635 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 116506
Ion Ratio Lower Upper
43 100
72 33.5 23.7 35.5

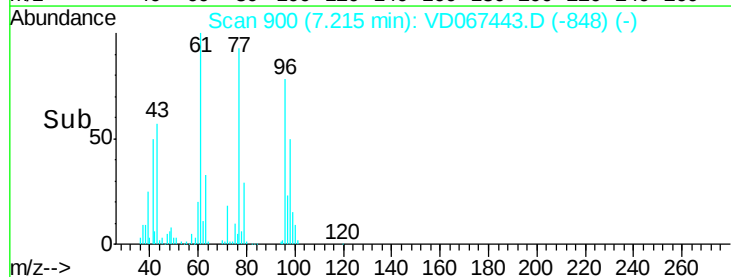
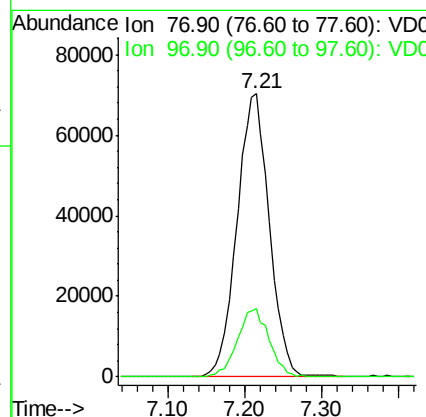
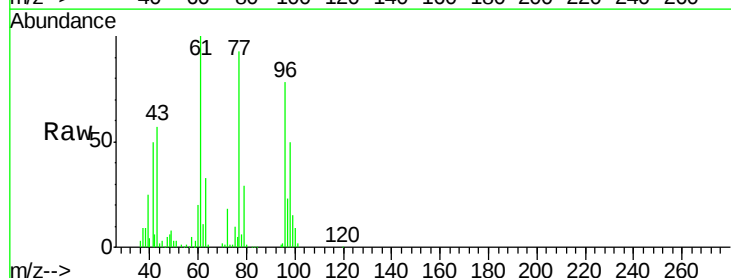
Manual Integrations
APPROVED

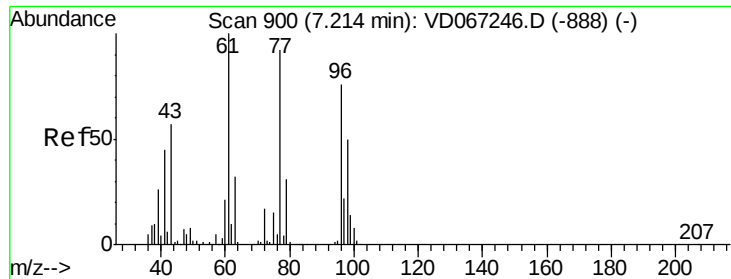
MMDadoda
10/29/2020 12:00:58 PM



#26
2,2-Dichloropropane
Concen: 46.507 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 77 Resp: 205909
Ion Ratio Lower Upper
77 100
97 23.6 11.4 34.2





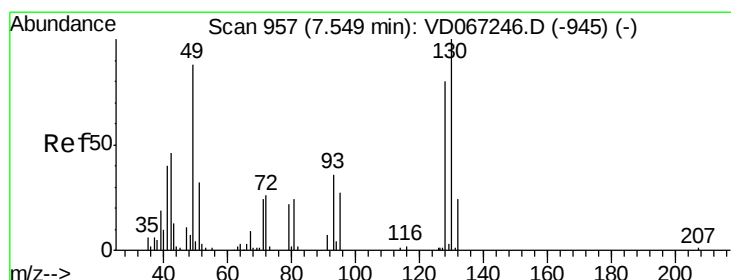
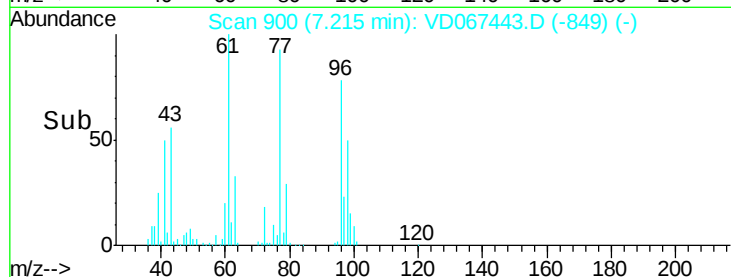
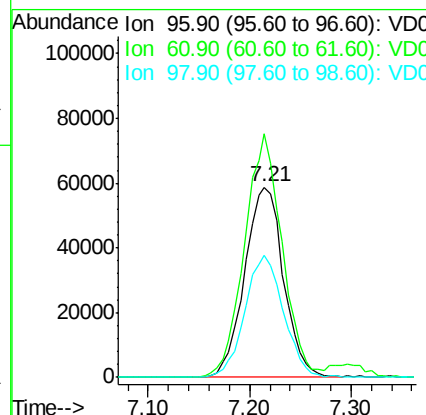
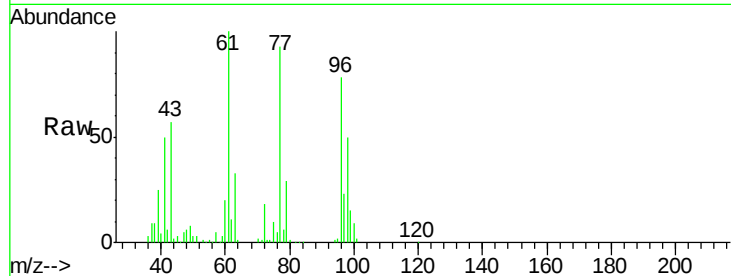
#27
 cis-1,2-Dichloroethene
 Concen: 51.675 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	156333		
61	123.8		0.0	255.4
98	63.7		0.0	128.0

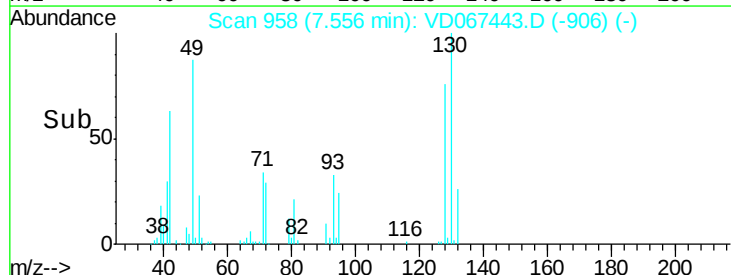
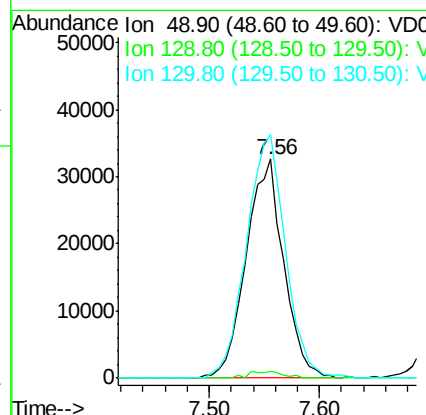
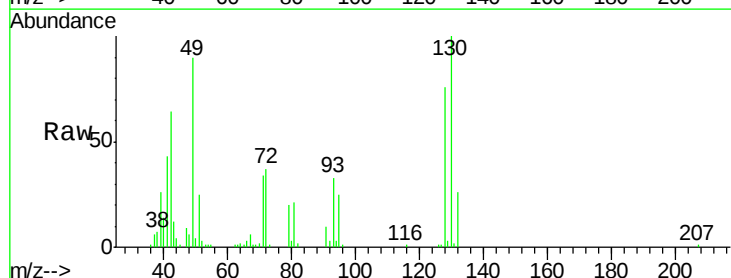
Manual Integrations
 APPROVED

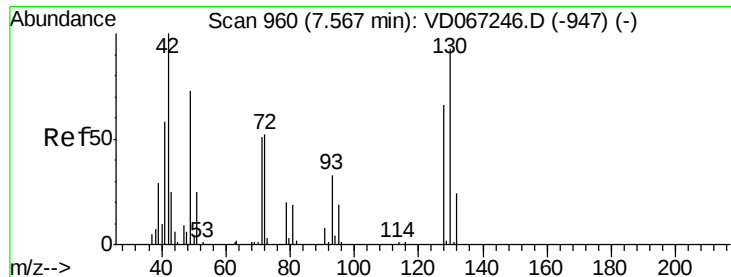
MMDadoda
 10/29/2020 12:00:58 PM



#28
 Bromochloromethane
 Concen: 53.037 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	77707		
129	1.4		0.0	1.6
130	115.9		91.0	136.6





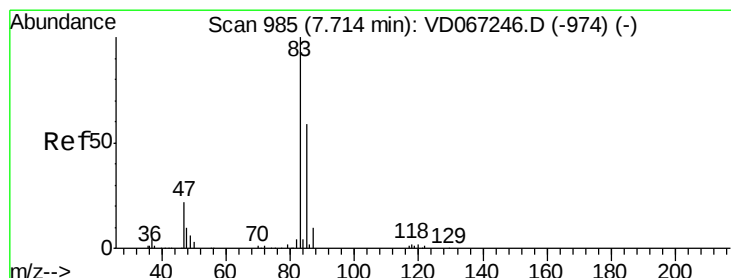
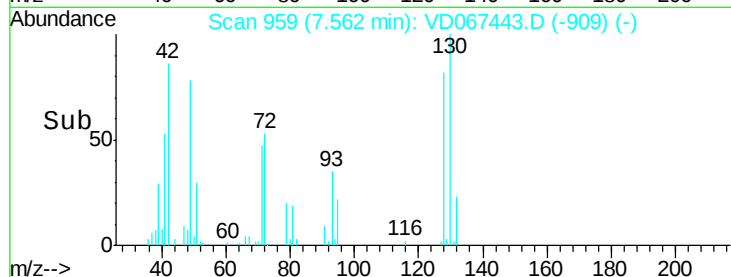
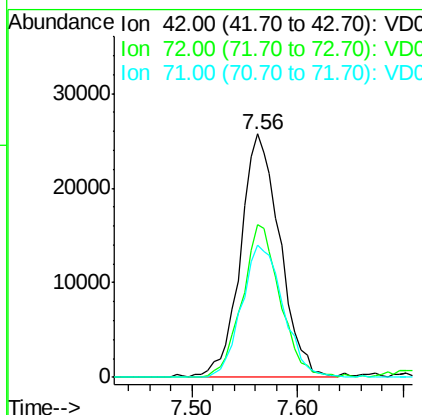
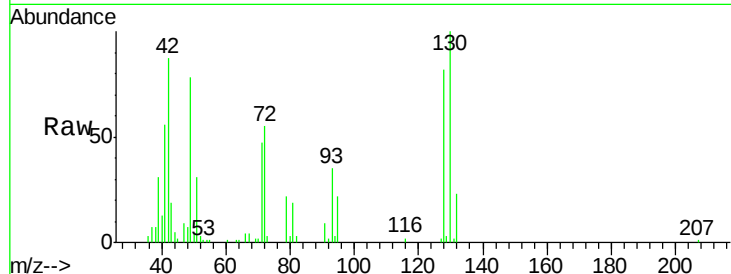
#29
Tetrahydrofuran
Concen: 257.910 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	60.3	43.2	64.8
71	57.0	39.4	59.0

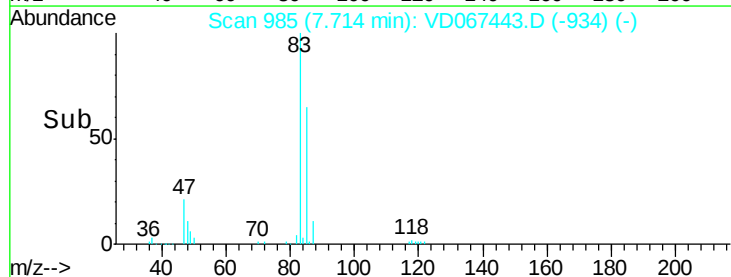
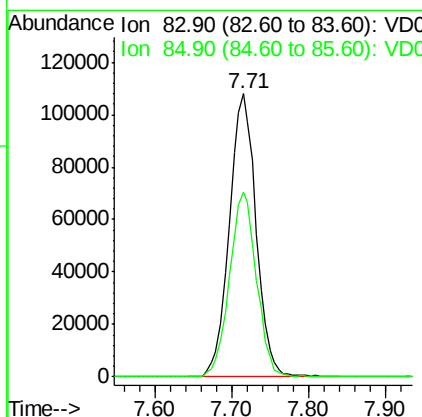
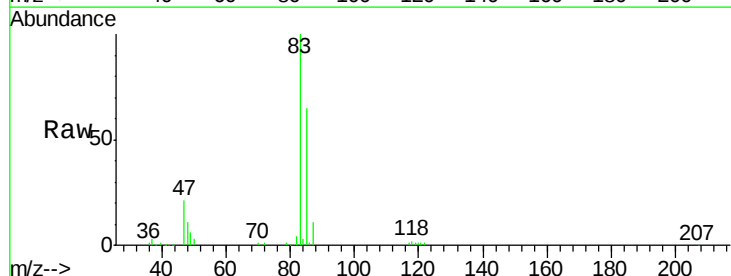
Manual Integrations
APPROVED

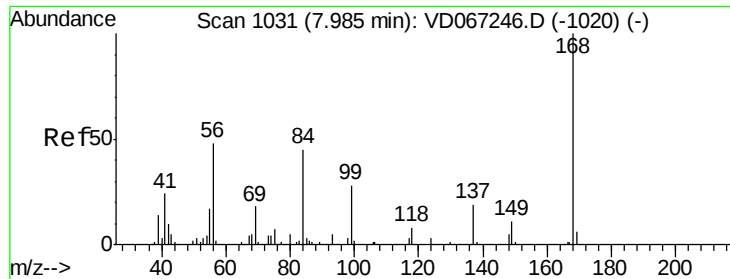
MMDadoda
10/29/2020 12:00:58 PM



#30
Chloroform
Concen: 51.141 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	47.3	70.9





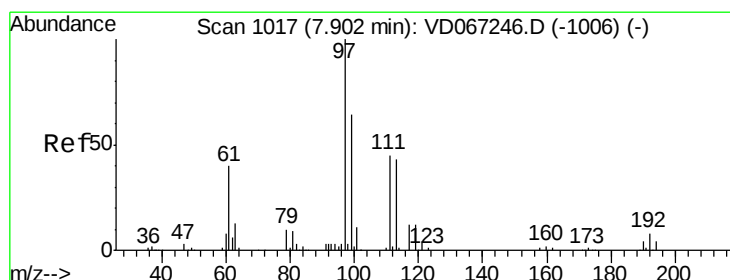
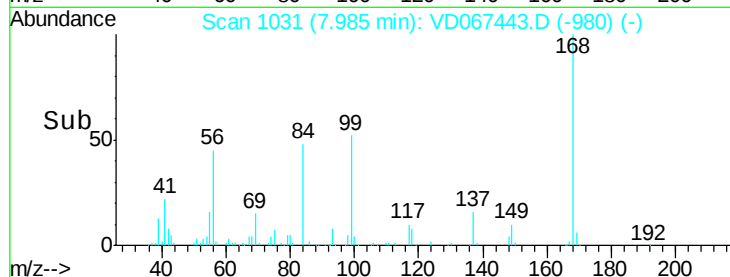
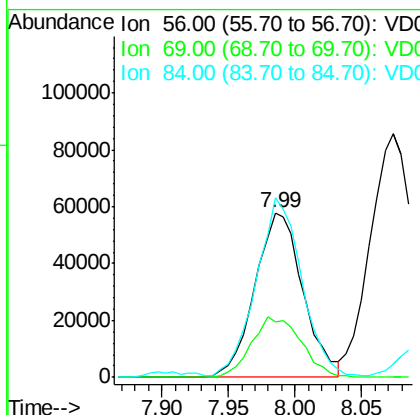
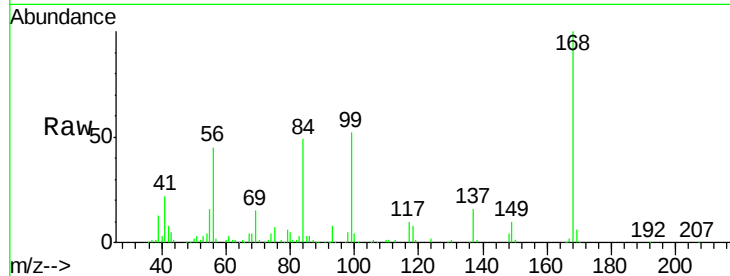
#31
Cyclohexane
Concen: 43.197 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	144872
Ion	Ratio	Lower	Upper
56	100		
69	33.7	29.8	44.6
84	106.7	76.6	114.8

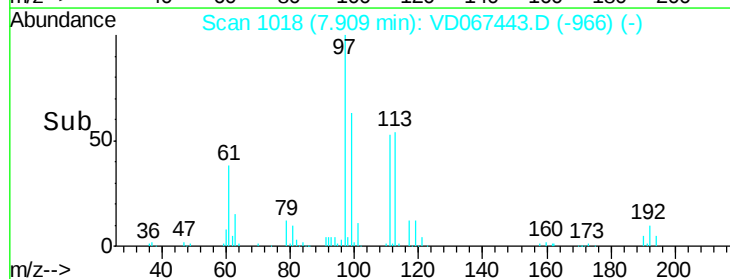
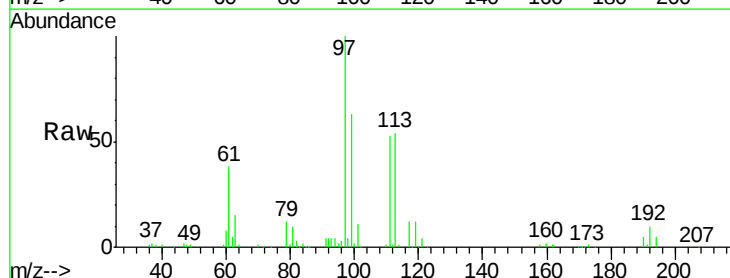
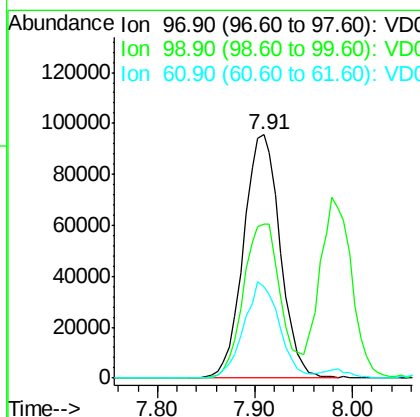
Manual Integrations
APPROVED

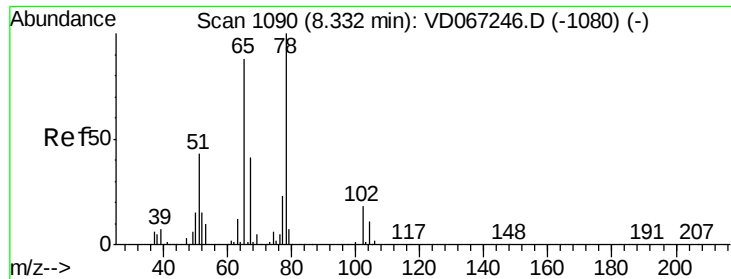
MMDadoda
10/29/2020 12:00:58 PM



#32
1,1,1-Trichloroethane
Concen: 49.532 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	97	Resp	249379
Ion	Ratio	Lower	Upper
97	100		
99	65.0	50.2	75.4
61	38.1	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 50.430 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 146840

Ion Ratio Lower Upper

65 100

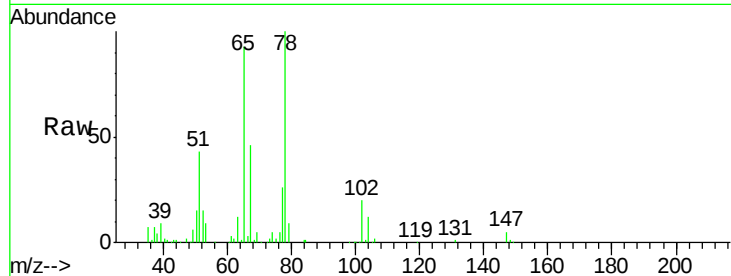
67 49.7 0.0 103.8

Manual Integrations

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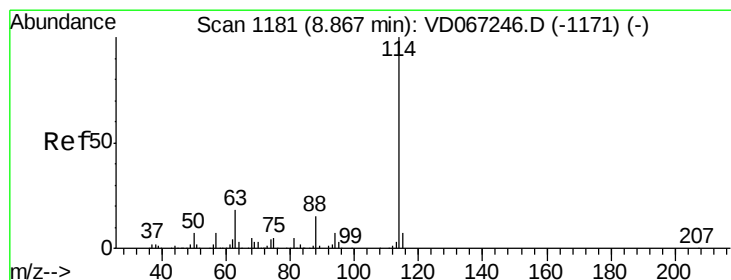
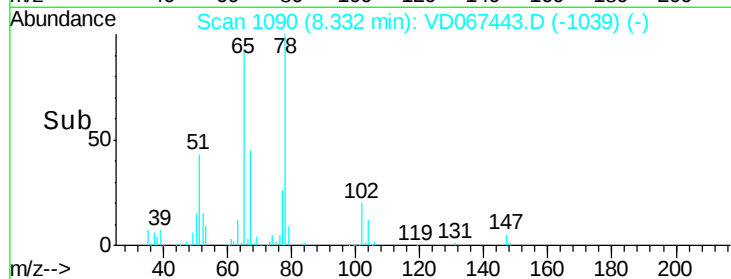
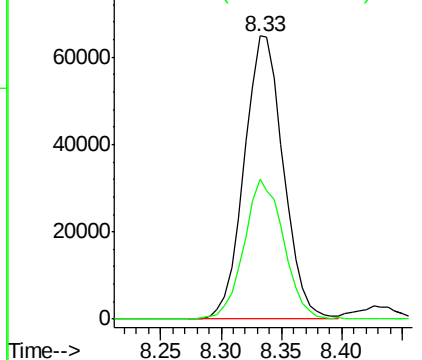
MMDadoda

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

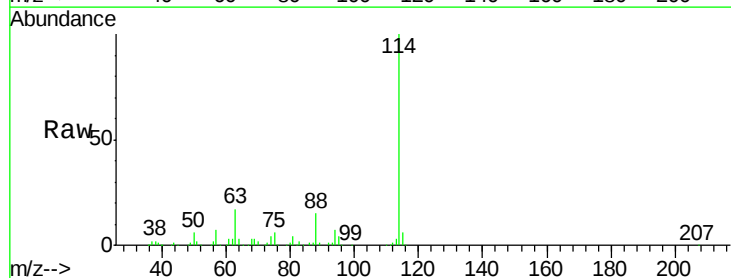
Tgt Ion: 114 Resp: 433875

Ion Ratio Lower Upper

114 100

63 17.4 0.0 35.0

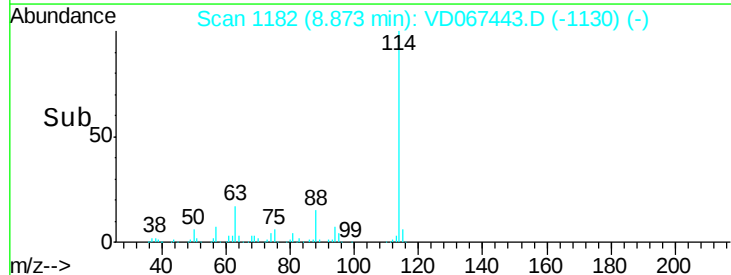
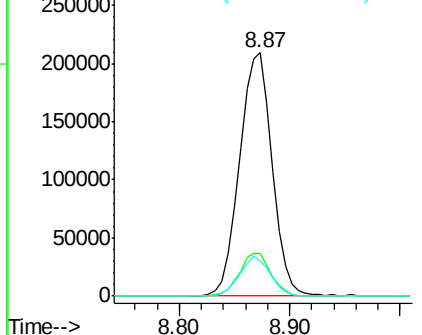
88 14.5 0.0 30.6

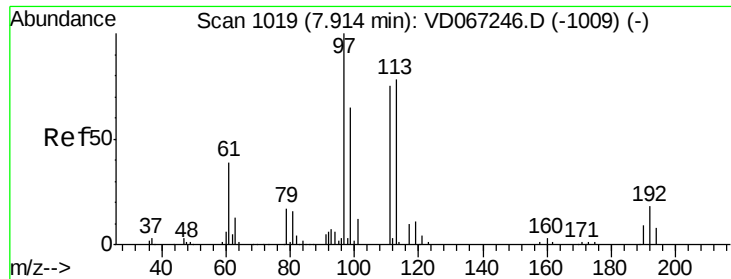


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





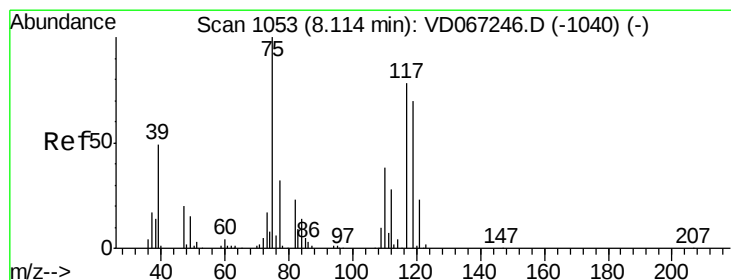
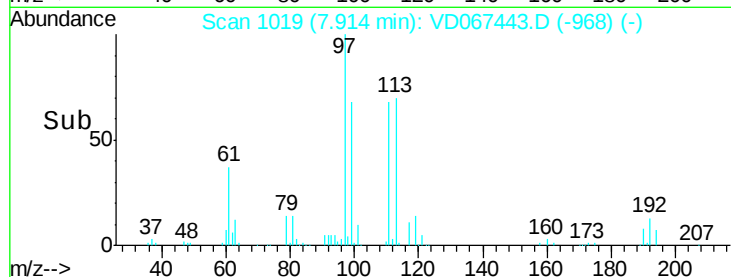
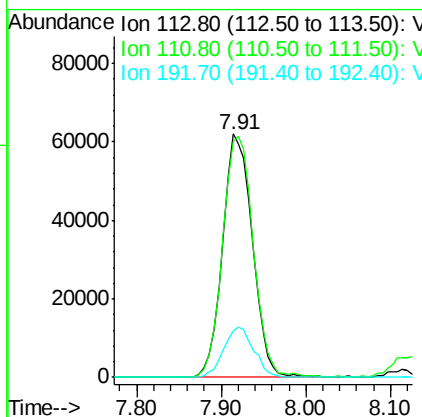
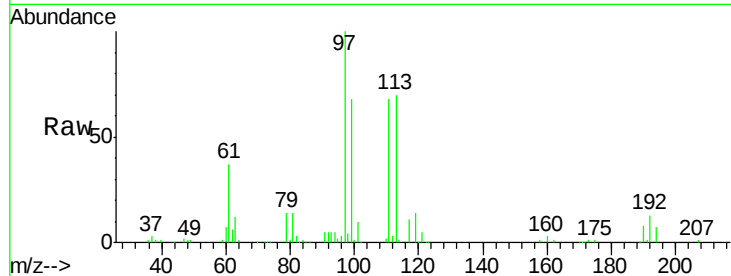
#35
Dibromofluoromethane
Concen: 52.349 ug/l
RT: 7.91 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	151156		
111	101.4	81.6	122.4	
192	20.6	17.0	25.4	

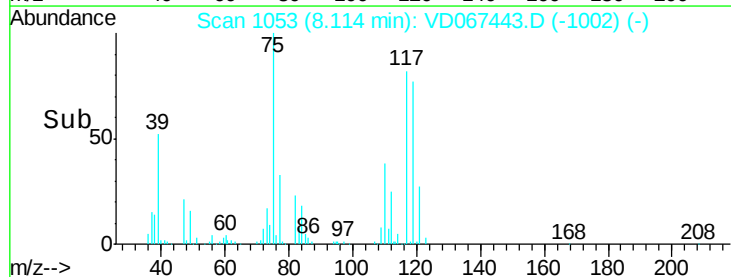
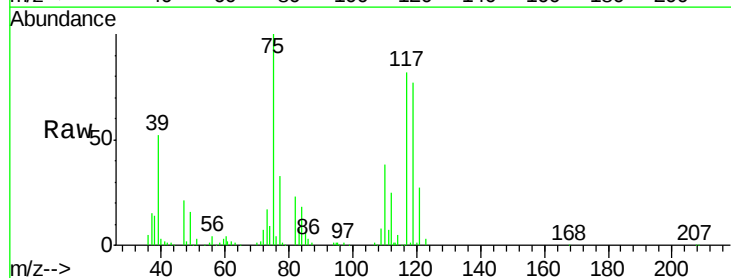
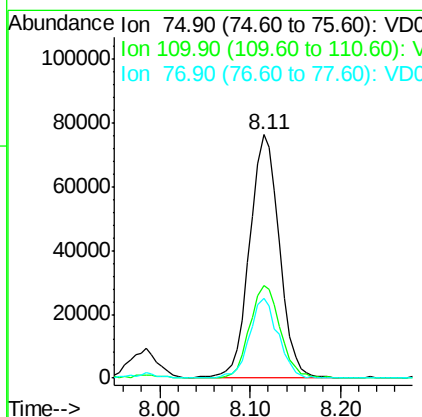
Manual Integrations
APPROVED

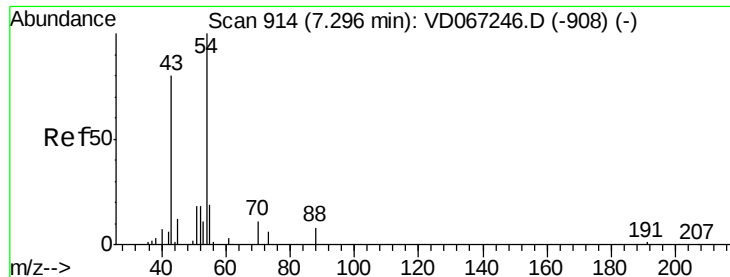
MMDadoda
10/29/2020 12:00:58 PM



#36
1,1-Dichloropropene
Concen: 47.345 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	174105		
110	38.7	19.6	58.7	
77	31.4	24.6	37.0	





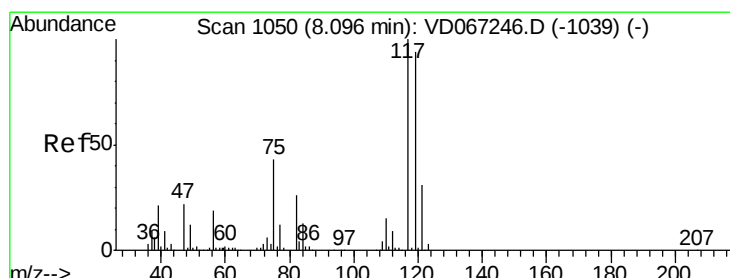
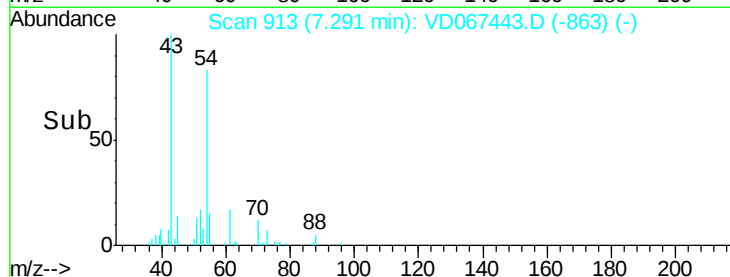
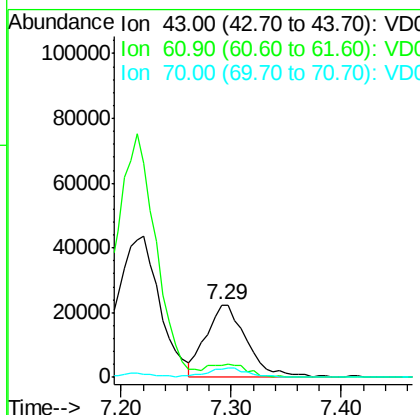
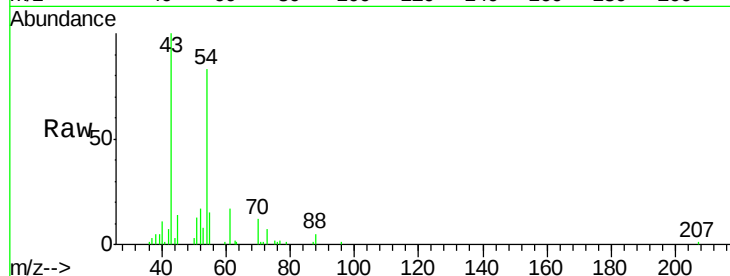
#37
Ethyl Acetate
Concen: 51.899 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.1	15.6	23.4
70	13.4	10.4	15.6

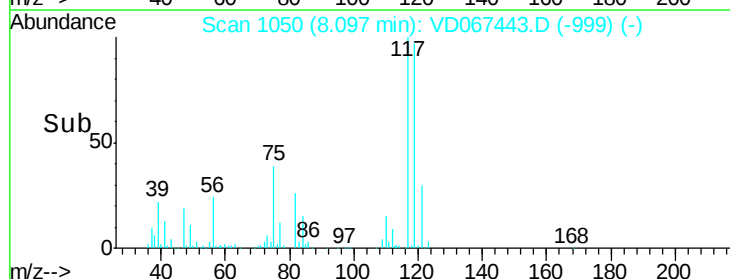
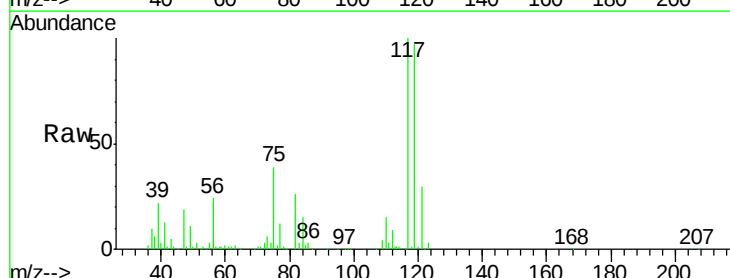
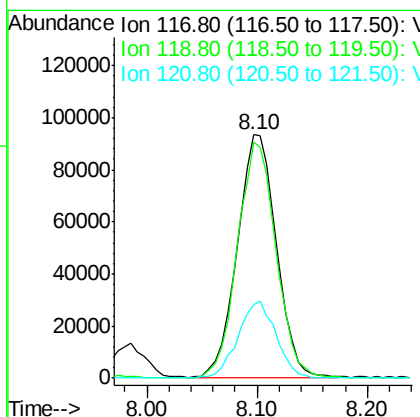
Manual Integrations
APPROVED

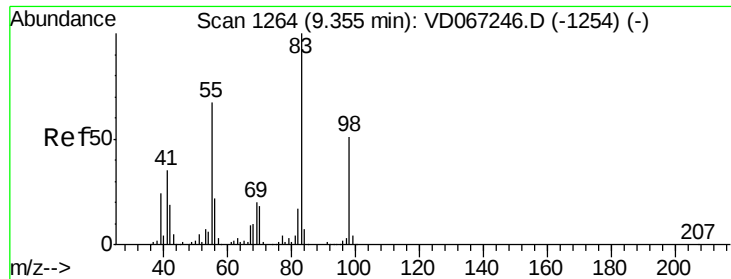
MMDadoda
10/29/2020 12:00:58 PM



#38
Carbon Tetrachloride
Concen: 49.335 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.0	75.0	112.4
121	30.4	24.9	37.3





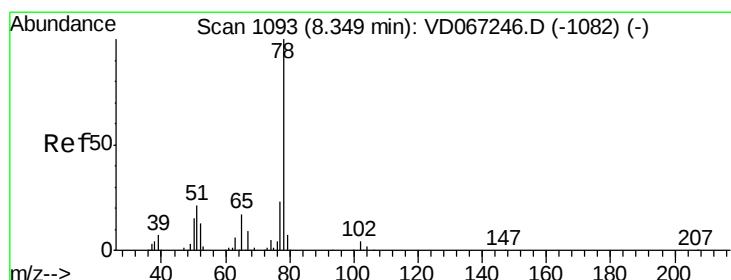
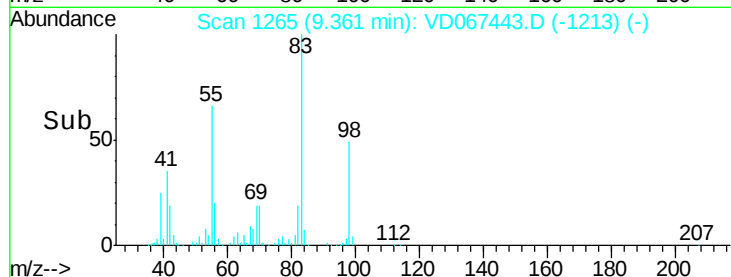
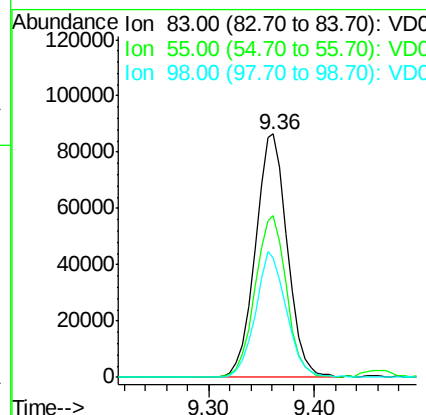
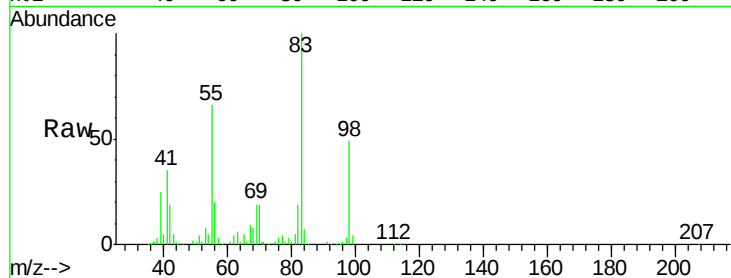
#39
Methvlcvclohexane
Concen: 47.213 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	66.2	53.3	79.9
98	49.3	41.0	61.4

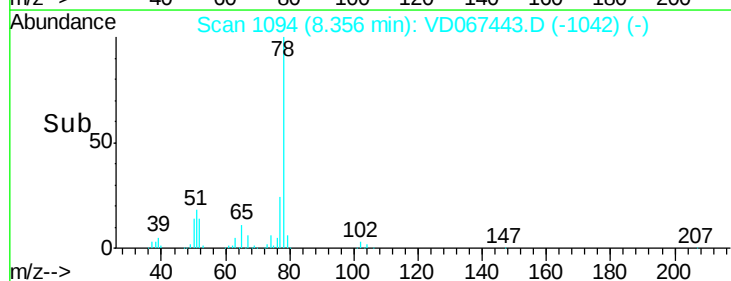
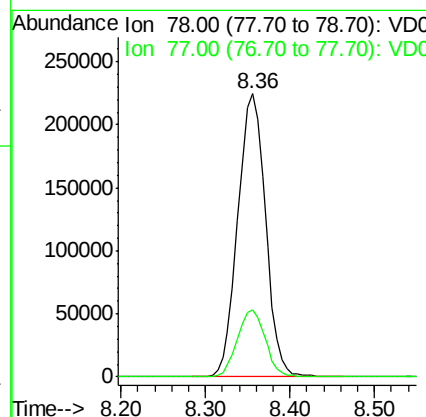
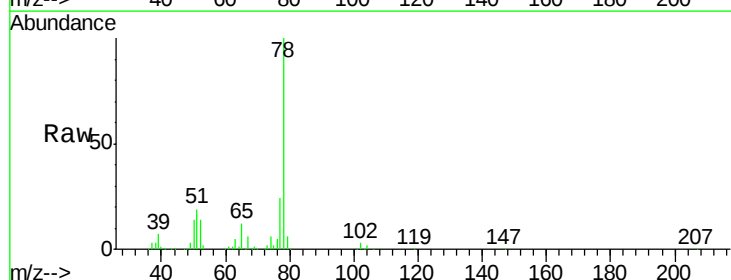
Manual Integrations
APPROVED

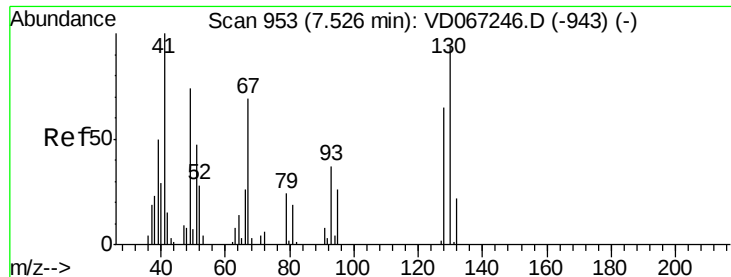
MMDadoda
10/29/2020 12:00:58 PM



#40
Benzene
Concen: 50.560 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.3	27.5





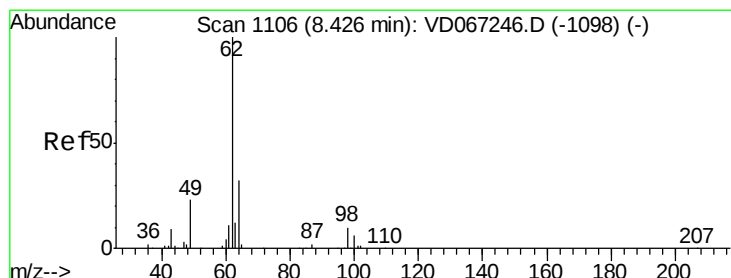
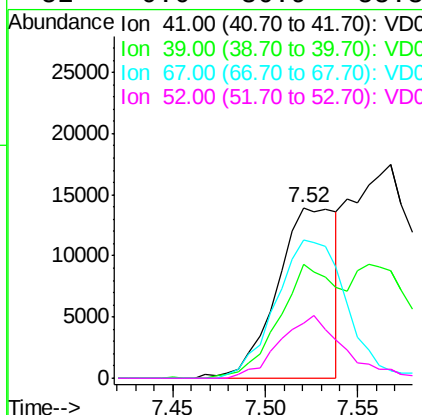
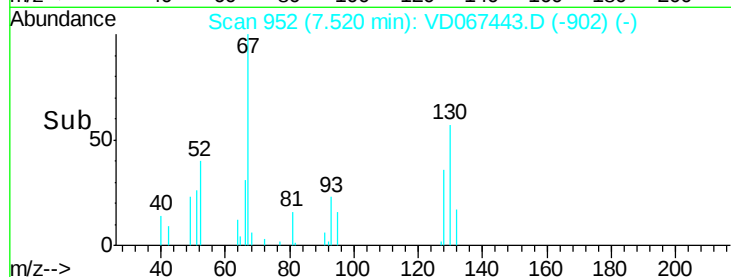
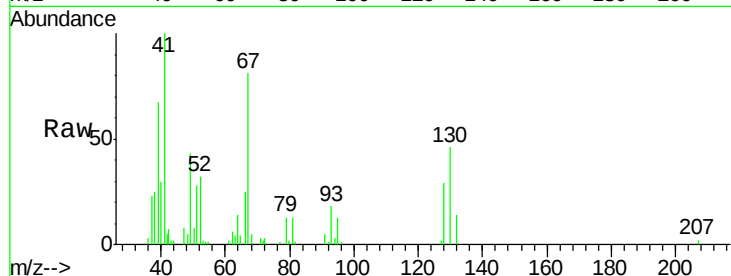
#41
Methacrylonitrile
Concen: 53.531 ug/l m
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
41	100		
39	69.5	60.0	90.0
67	0.0	88.9	133.3#
52	0.0	36.9	55.3#

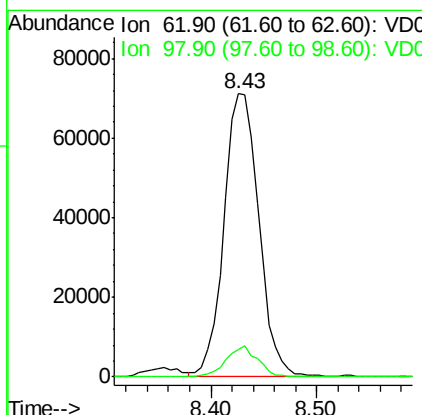
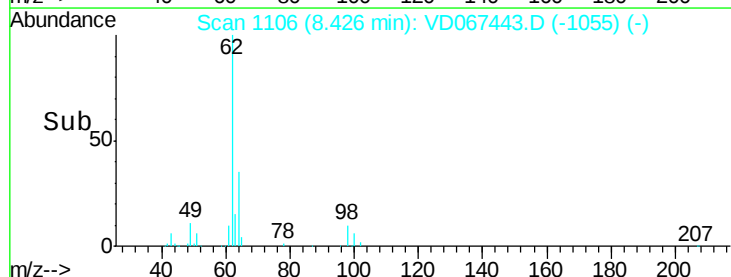
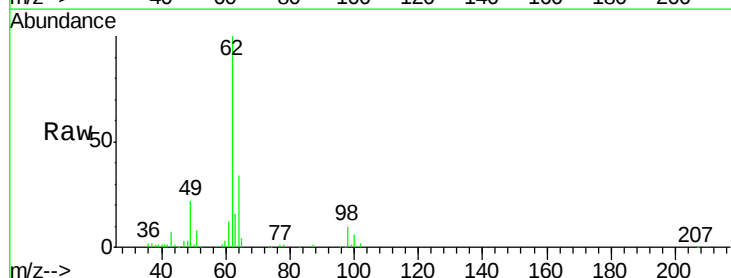
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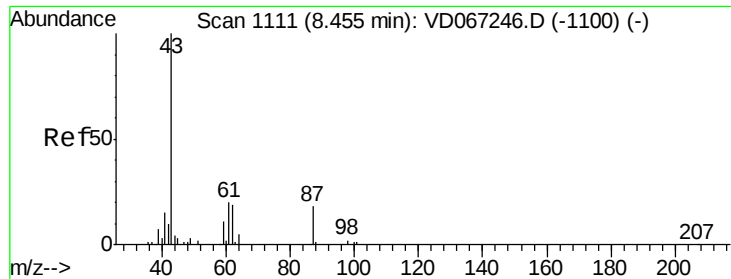
MMDadoda
10/29/2020 12:00:58 PM



#42
1,2-Dichloroethane
Concen: 51.334 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.7	0.0	19.4





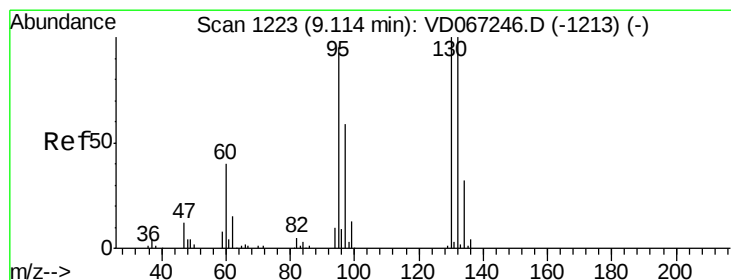
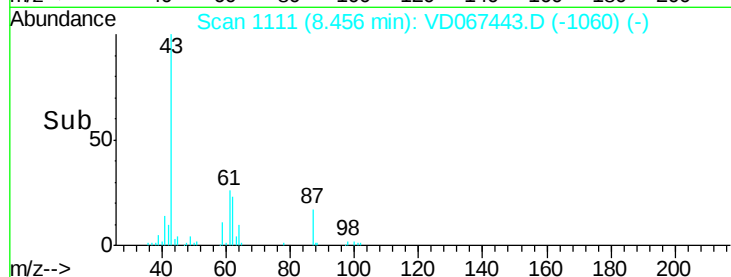
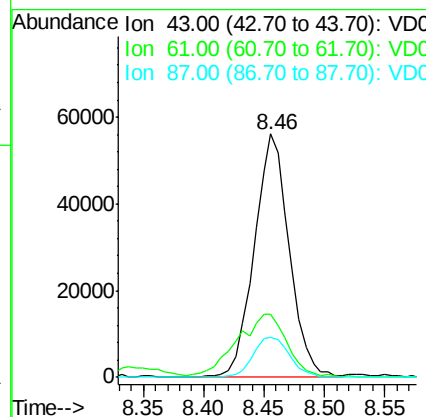
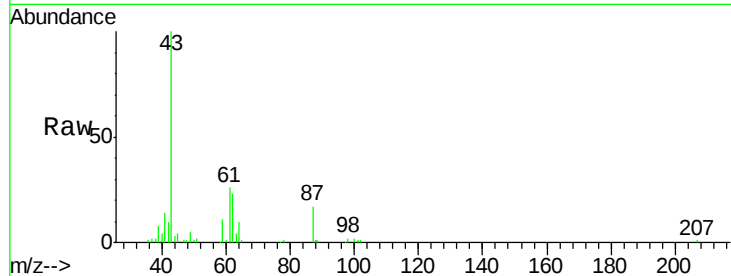
#43
Isopropyl Acetate
Concen: 52.826 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	37.6	29.5	44.3
87	17.2	14.2	21.4

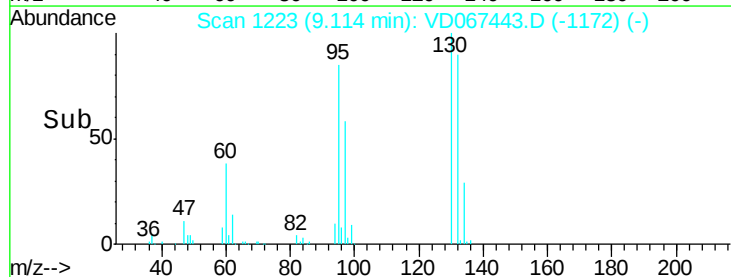
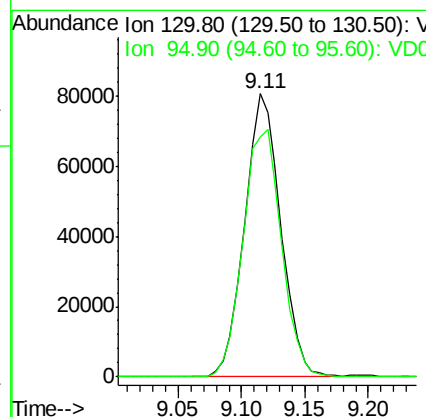
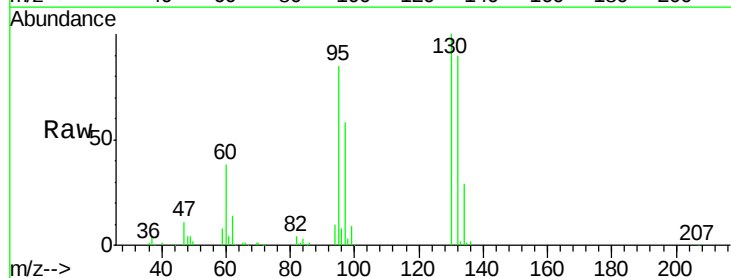
Manual Integrations
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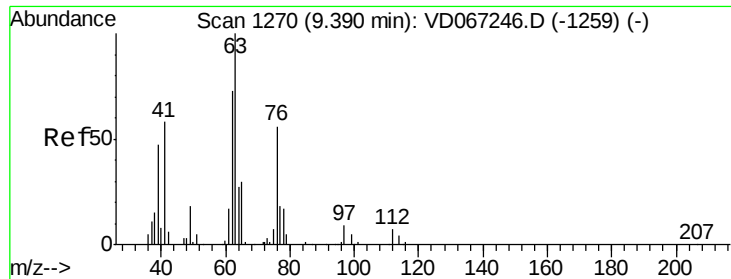
MMDadoda
10/29/2020 12:00:58 PM



#44
Trichloroethene
Concen: 49.388 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
130	100		
95	84.8	0.0	190.6





#45

1,2-Dichloropropane

Concen: 50.905 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 119021

Ion Ratio Lower Upper

63 100

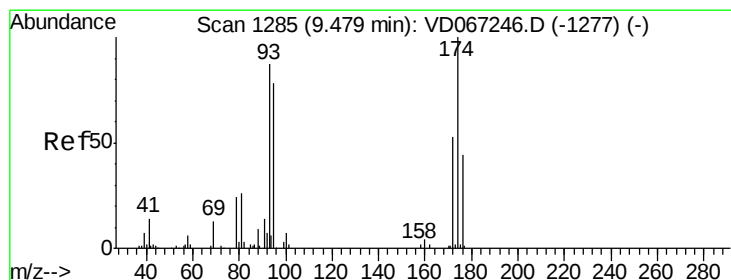
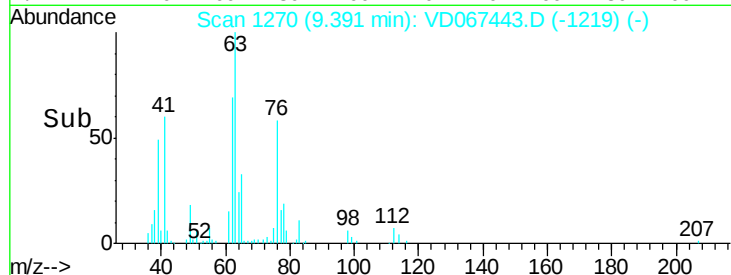
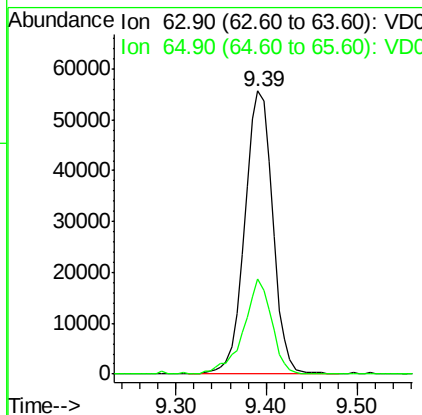
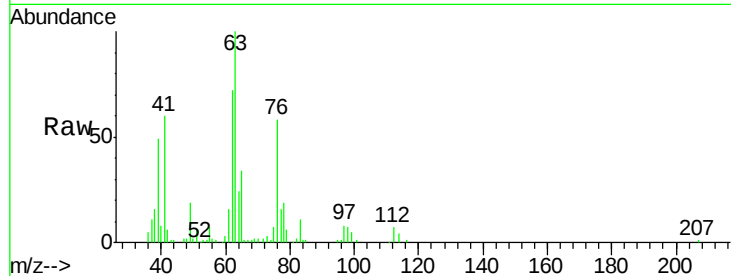
65 33.5 24.6 36.8

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#46

Dibromomethane

Concen: 52.819 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

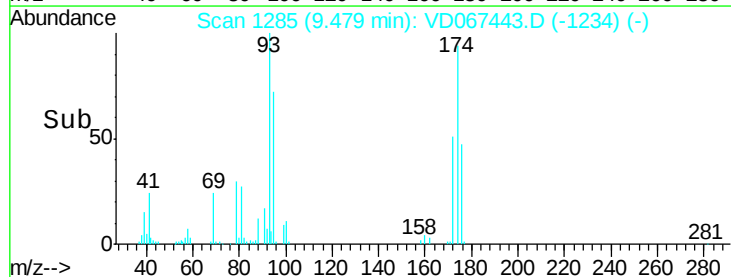
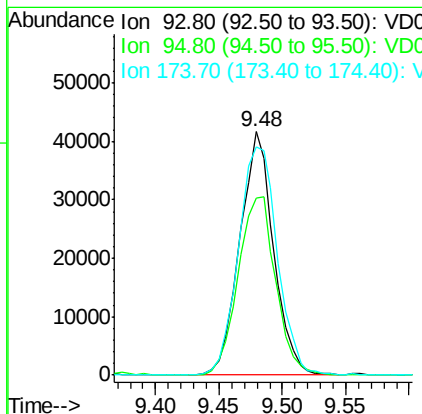
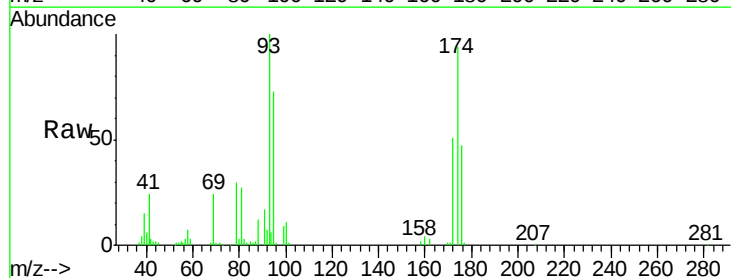
Tgt Ion: 93 Resp: 76944

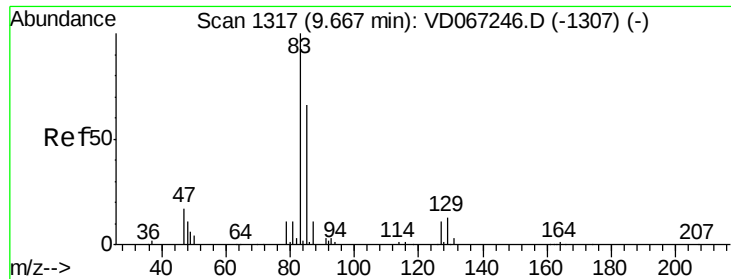
Ion Ratio Lower Upper

93 100

95 81.7 68.0 102.0

174 108.2 91.8 137.6





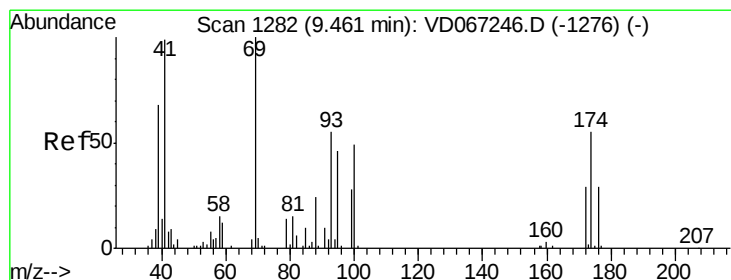
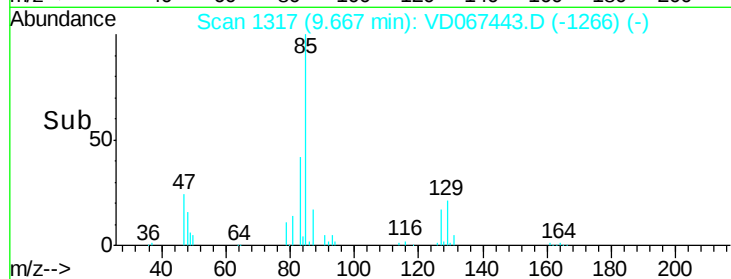
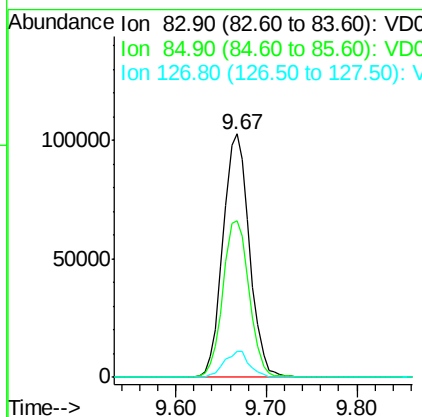
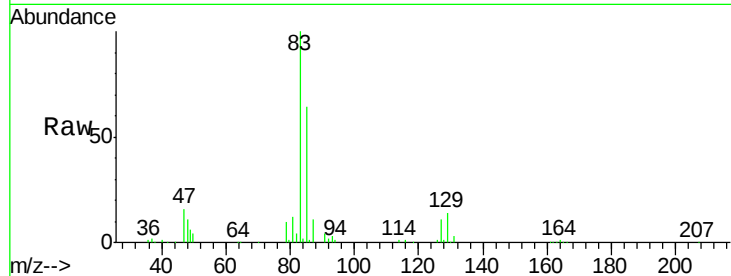
#47
Bromodichloromethane
Concen: 53.494 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	83	Resp	208783
Ion Ratio	100	Lower	Upper
83	100		
85	64.4	53.1	79.7
127	10.6	8.6	13.0

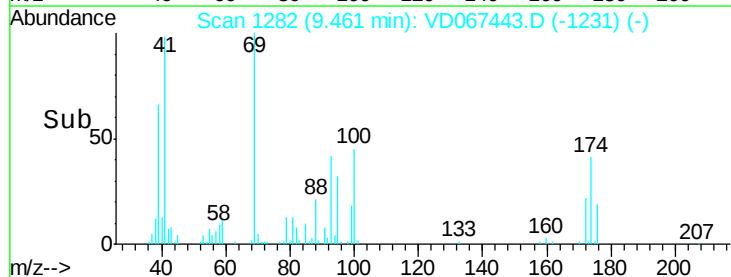
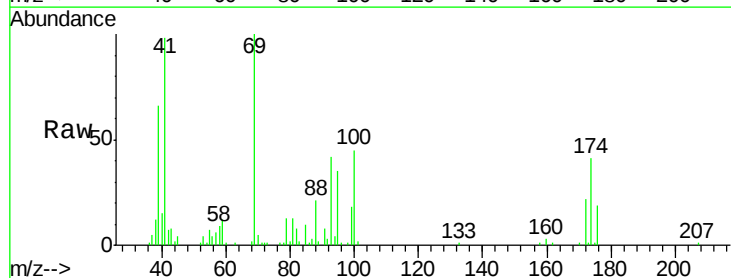
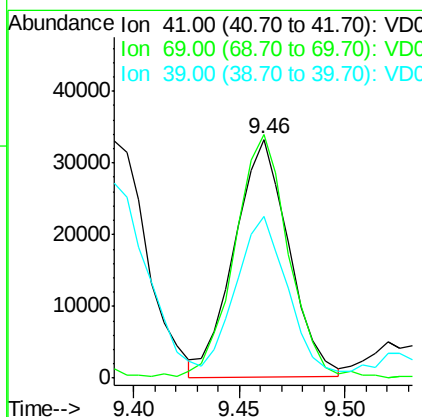
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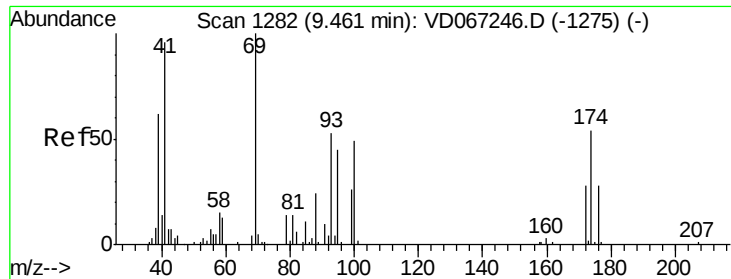
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#48
Methyl methacrylate
Concen: 56.923 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	41	Resp	59388
Ion Ratio	100	Lower	Upper
41	100		
69	101.7	89.0	133.6
39	66.3	60.2	90.2





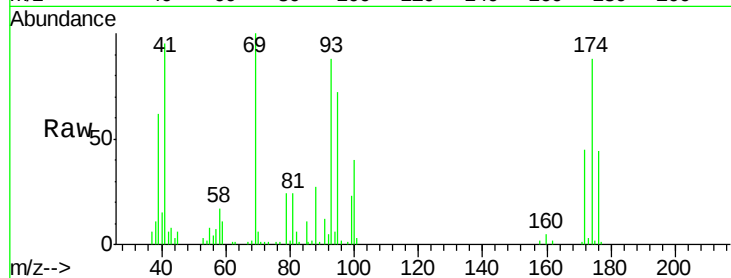
#49
 1,4-Dioxane
 Concen: 1167.940 ug/l
 RT: 9.47 min Scan# 1283
 Delta R.T. 0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.0	23.9	35.9
58	64.6	51.0	76.6

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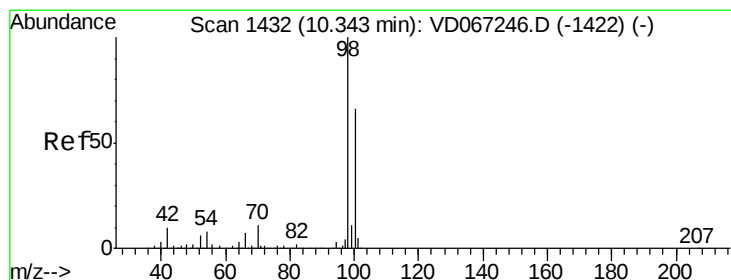
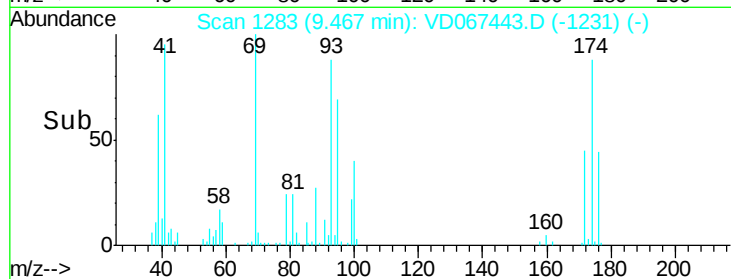
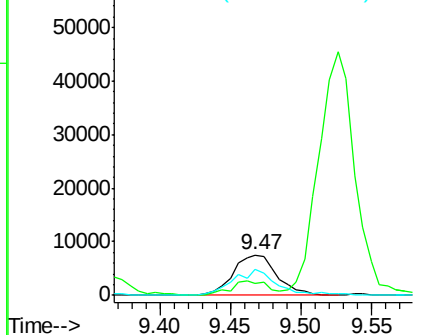


Abundance

Ion 88.00 (87.70 to 88.70): VDC

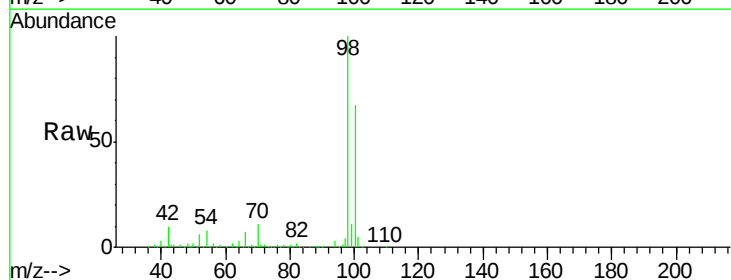
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
 Toluene-d8
 Concen: 51.392 ug/l
 RT: 10.34 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

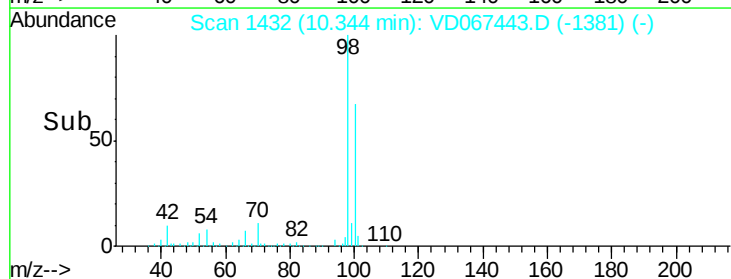
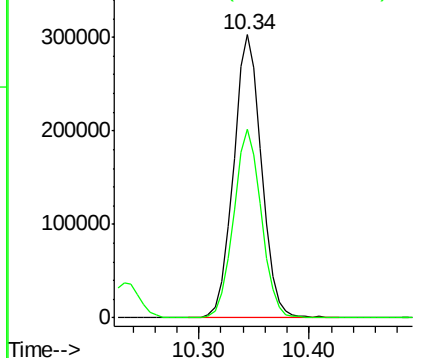
Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.1	79.7

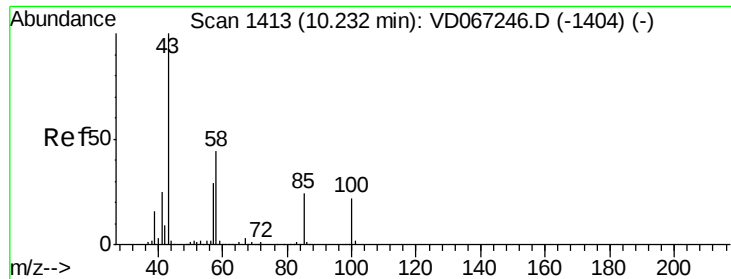


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 270.568 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 289723

Ion Ratio Lower Upper

43 100

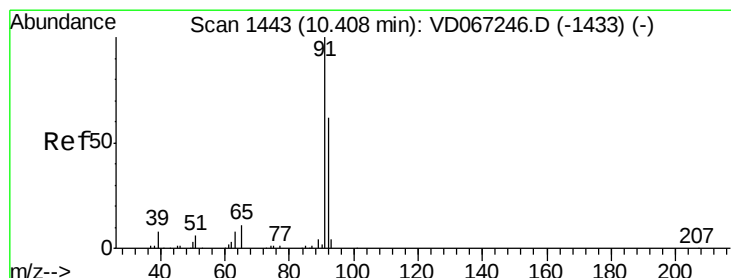
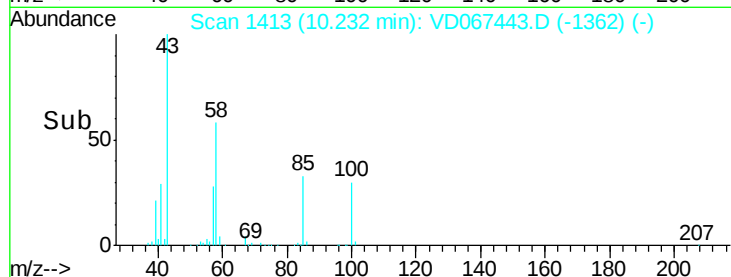
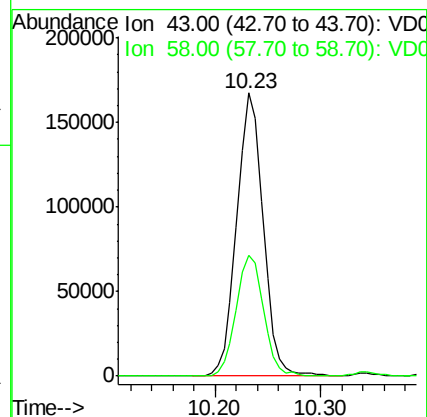
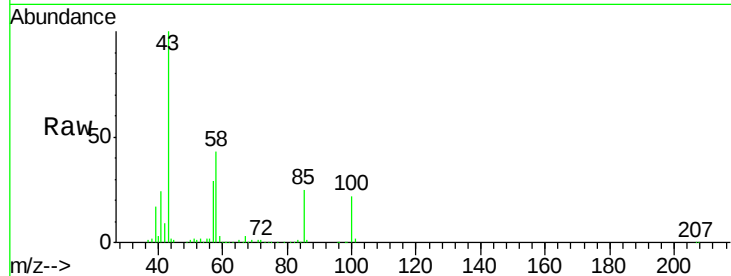
58 44.4 35.7 53.5

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#52

Toluene

Concen: 52.513 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067443.D

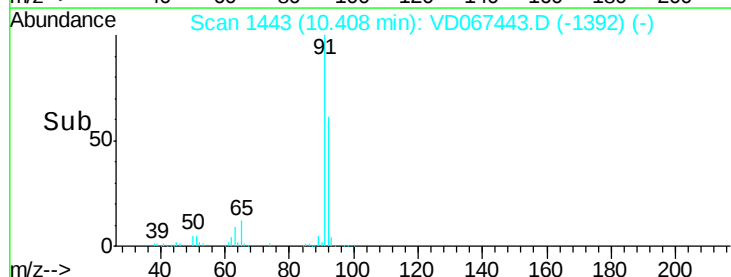
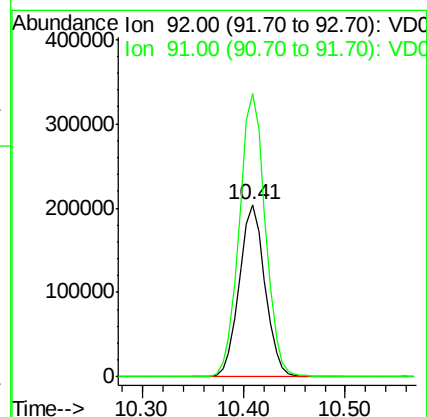
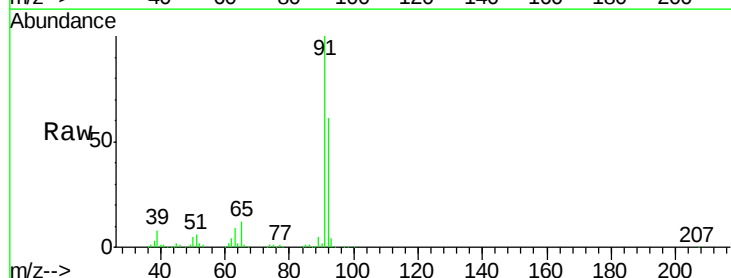
Acq: 28 Oct 2020 19:41

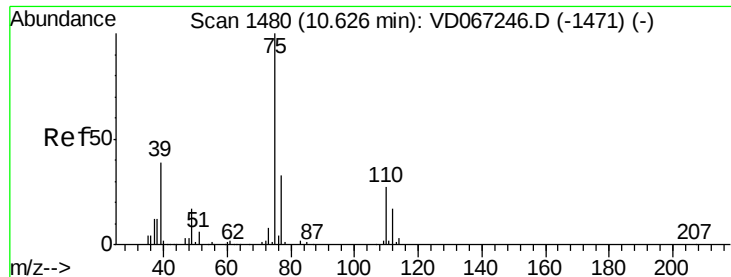
Tgt Ion: 92 Resp: 360830

Ion Ratio Lower Upper

92 100

91 166.5 133.8 200.8





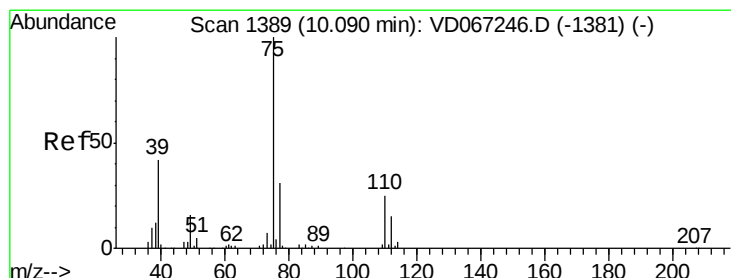
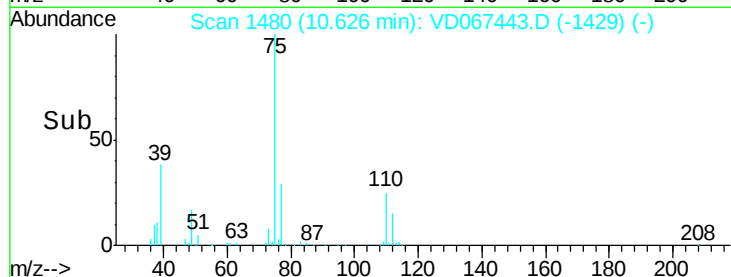
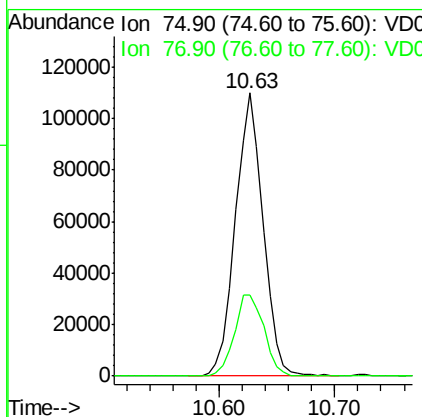
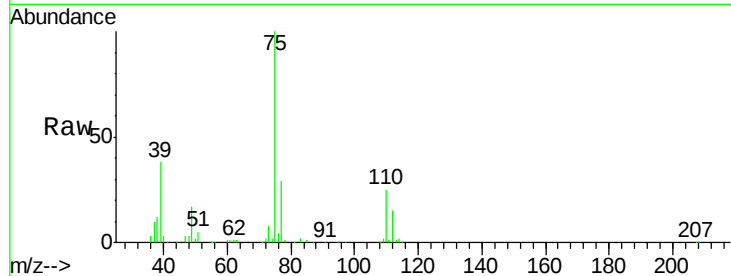
#53
t-1,3-Dichloropropene
Concen: 53.373 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 75 Resp: 182994
Ion Ratio Lower Upper
75 100
77 28.9 26.5 39.7

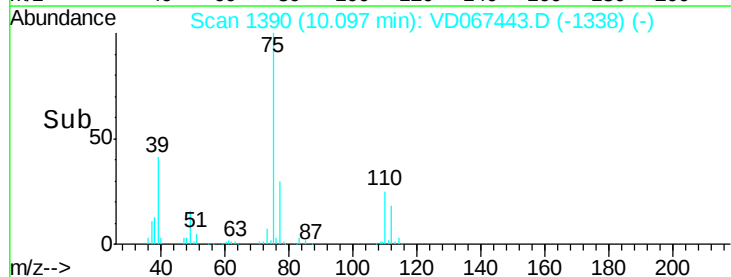
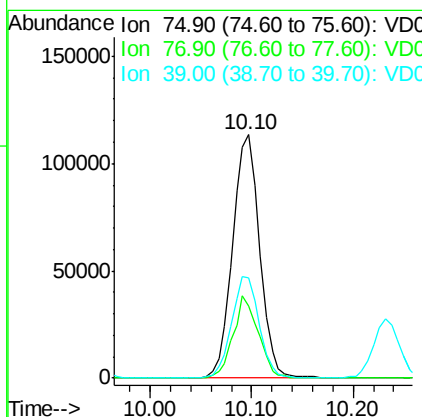
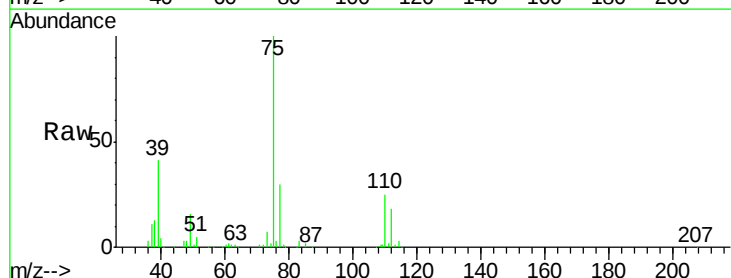
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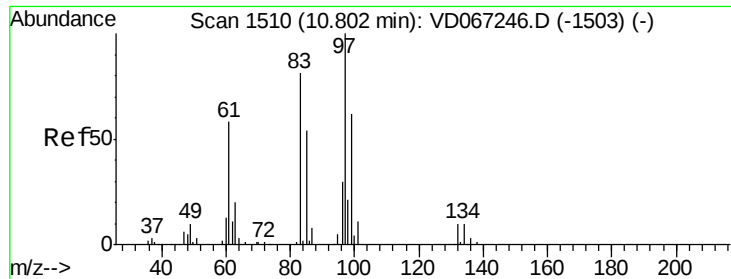
MMDadoda
10/29/2020 12:00:58 PM



#54
cis-1,3-Dichloropropene
Concen: 52.530 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 75 Resp: 210775
Ion Ratio Lower Upper
75 100
77 29.8 24.5 36.7
39 41.1 33.7 50.5





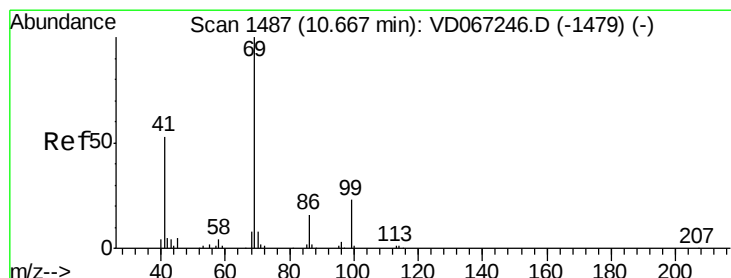
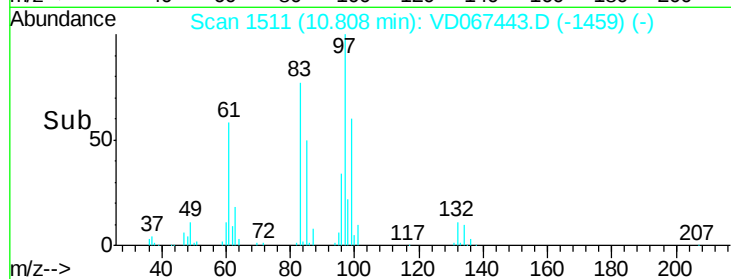
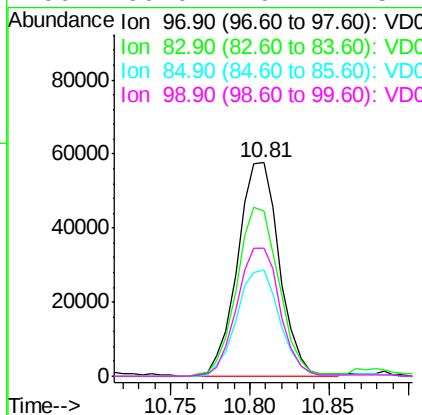
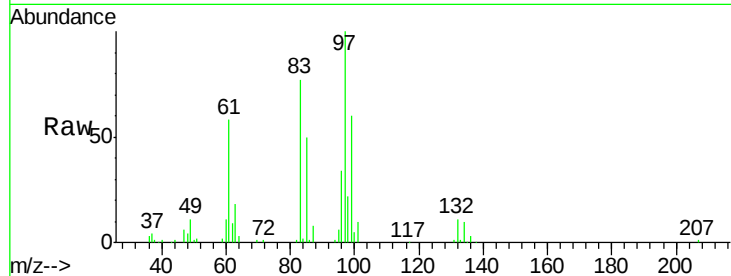
#55
 1,1,2-Trichloroethane
 Concen: 53.223 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	97	Resp	105726
Ion	Ratio	Lower	Upper
97	100		
83	77.3	64.9	97.3
85	49.9	43.3	64.9
99	60.0	49.1	73.7

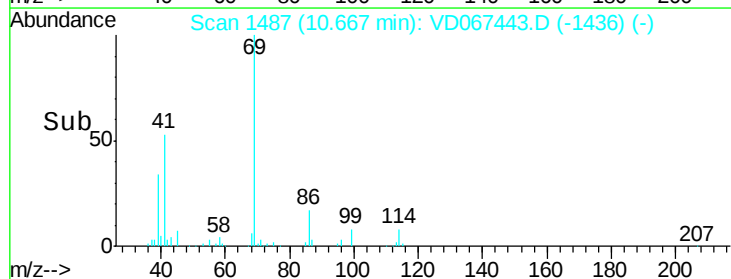
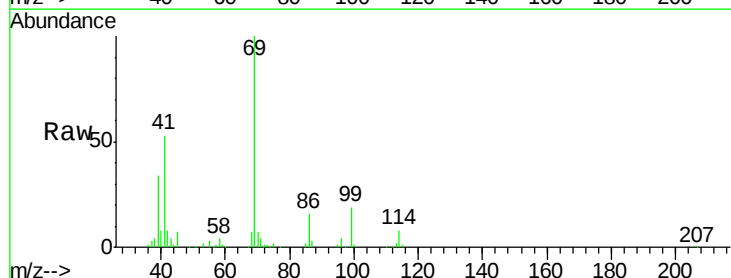
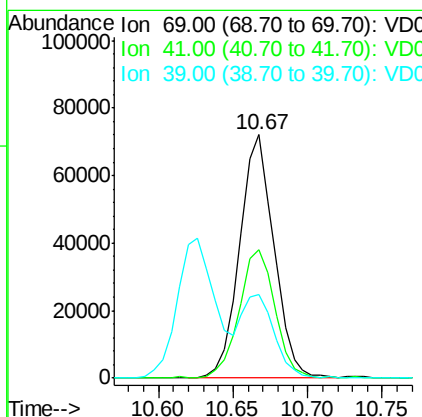
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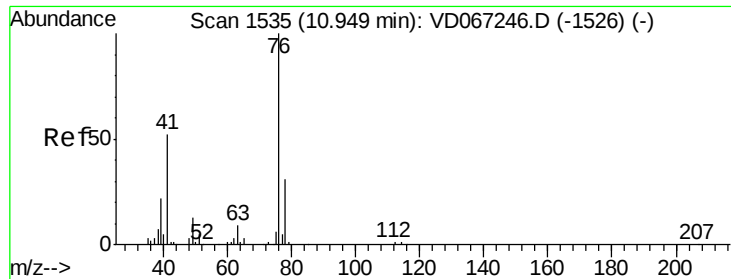
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 10/29/2020 12:00:58 PM



#56
 Ethyl methacrylate
 Concen: 55.815 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion	69	Resp	114990
Ion	Ratio	Lower	Upper
69	100		
41	55.5	44.7	67.1
39	32.0	26.2	39.2





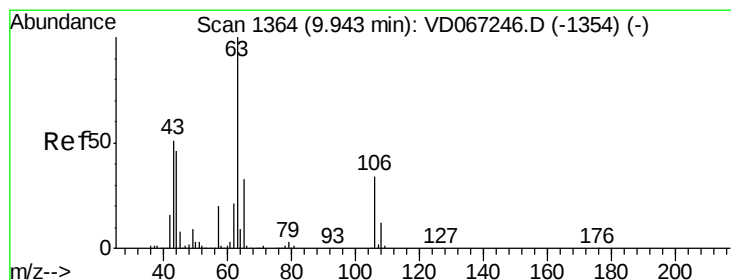
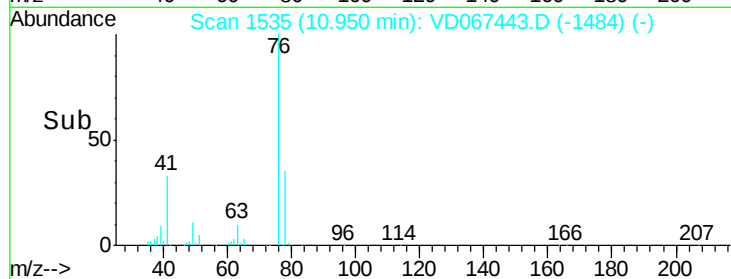
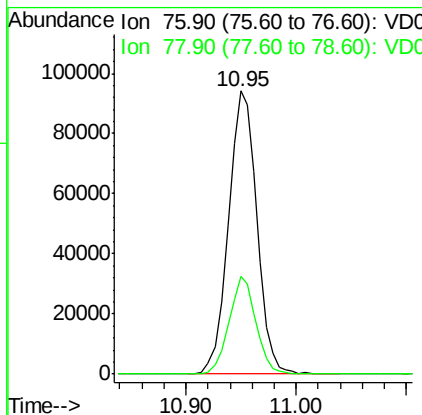
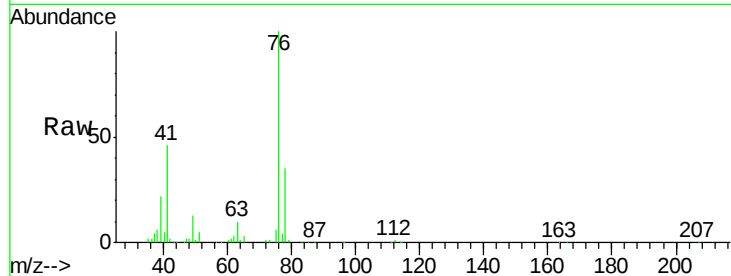
#57
 1,3-Dichloropropane
 Concen: 53.640 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 76 Resp: 169573
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.8 40.2

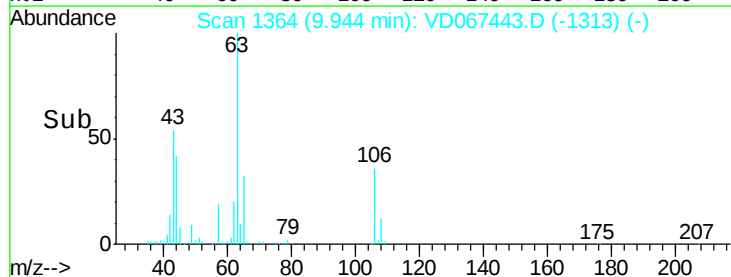
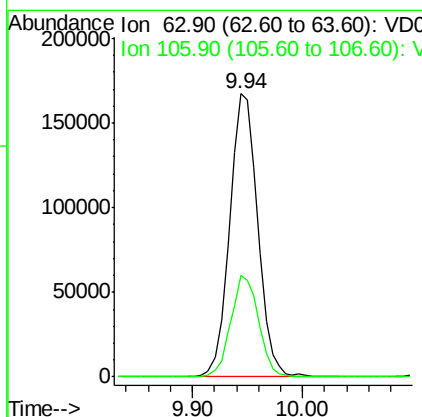
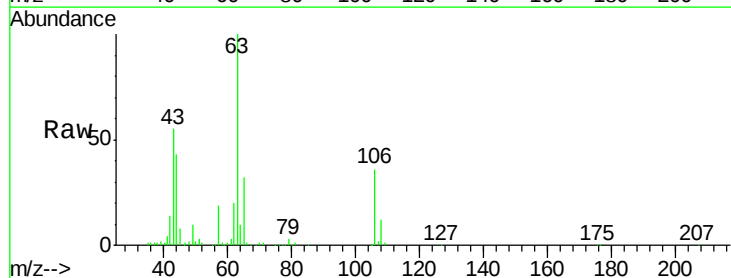
Manual Integrations
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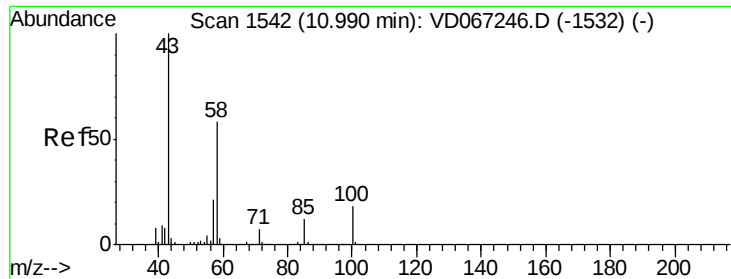
MMDadoda
 10/29/2020 12:00:58 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 282.697 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion: 63 Resp: 298775
 Ion Ratio Lower Upper
 63 100
 106 35.5 27.8 41.6





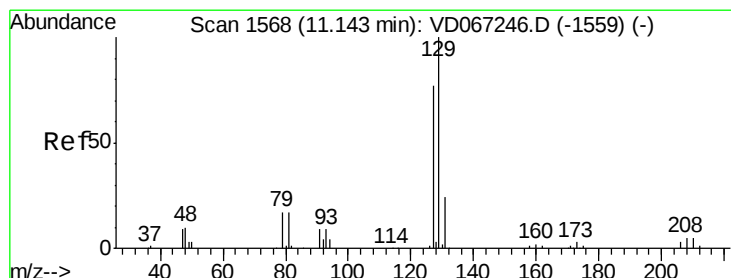
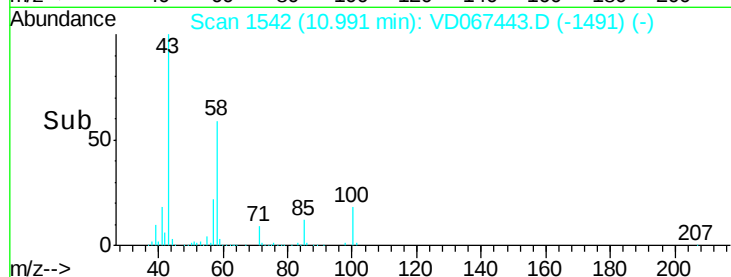
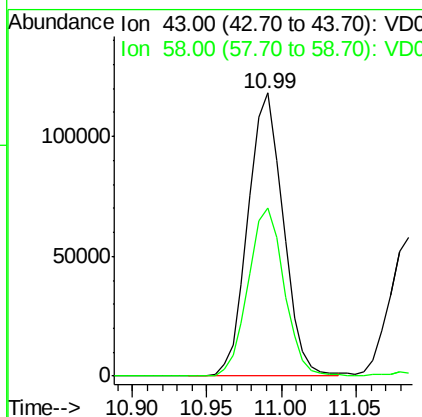
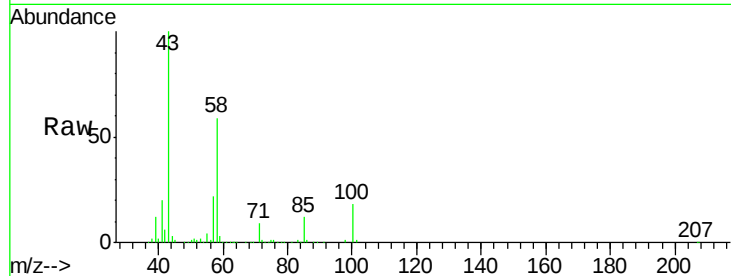
#59
2-Hexanone
Concen: 263.986 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	193160
Ion Ratio	100	Lower	Upper
43	100		
58	60.8	29.3	87.9

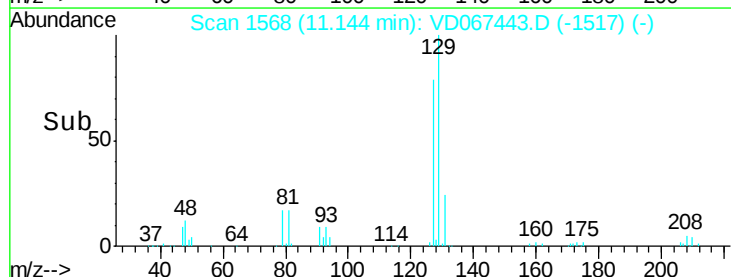
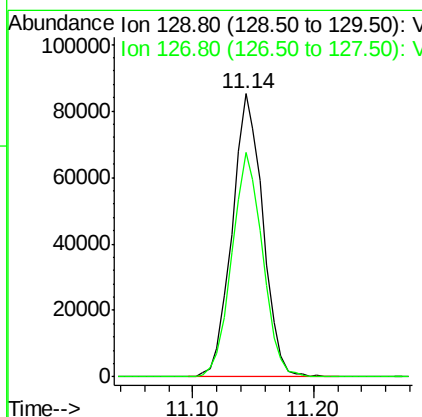
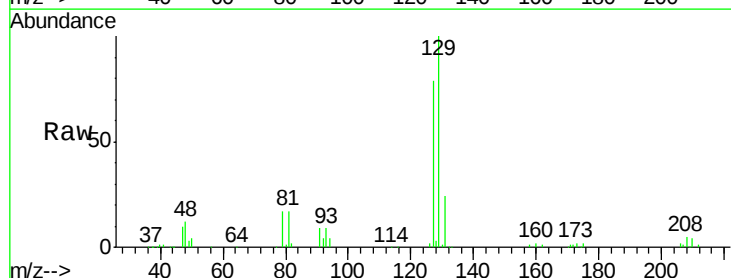
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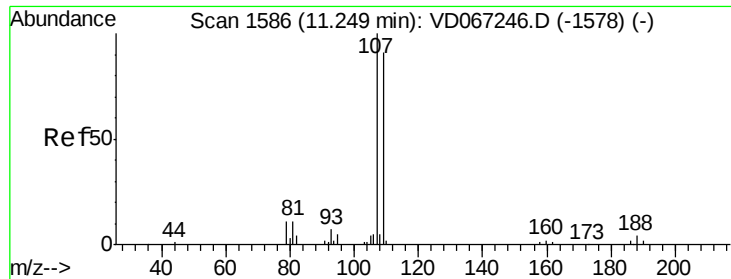
MMDadoda
10/29/2020 12:00:58 PM



#60
Dibromochloromethane
Concen: 52.056 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	129	Resp	150805
Ion Ratio	100	Lower	Upper
129	100		
127	79.1	38.3	114.8





#61

1,2-Dibromoethane

Concen: 52.458 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 107 Resp: 102733

Ion Ratio Lower Upper

107 100

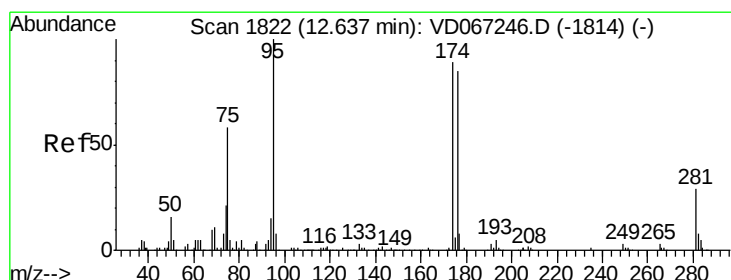
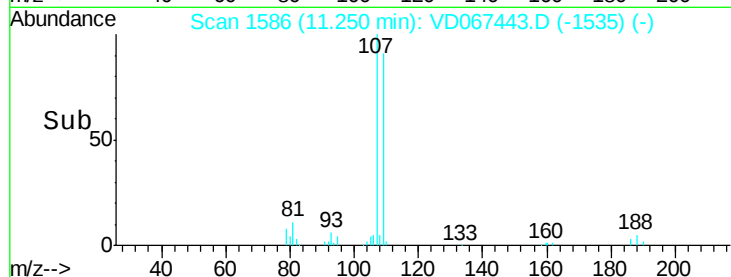
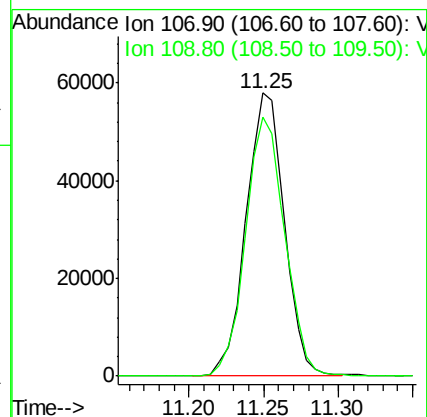
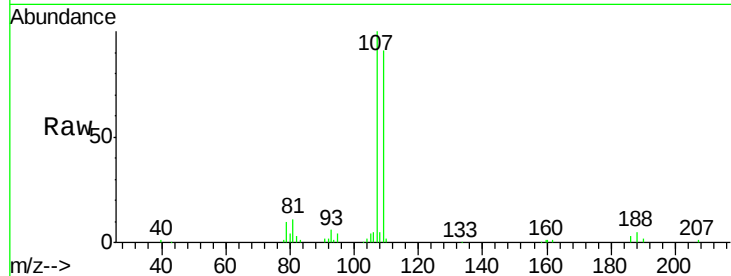
109 93.9 74.6 112.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 50.765 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

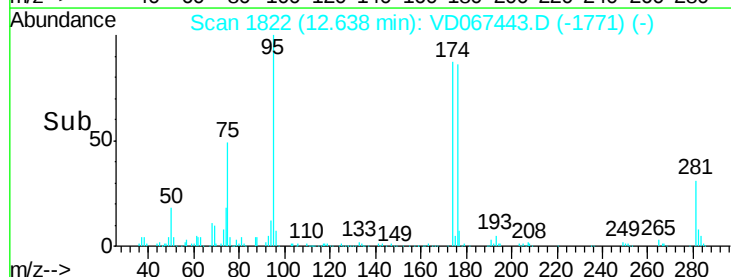
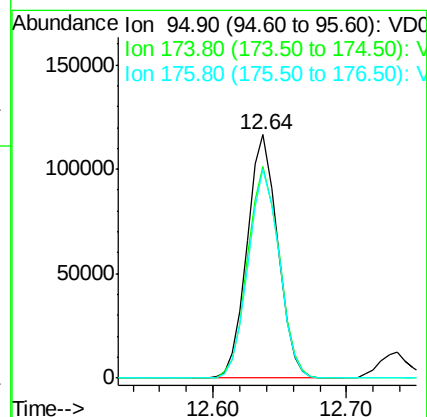
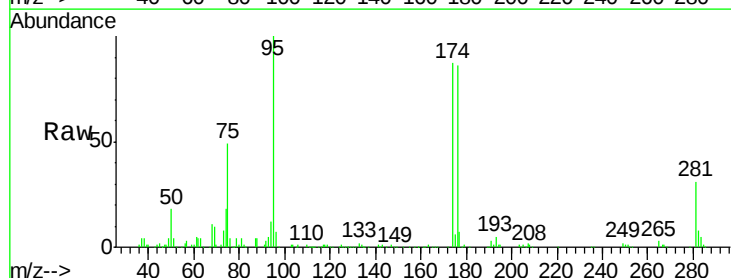
Tgt Ion: 95 Resp: 184452

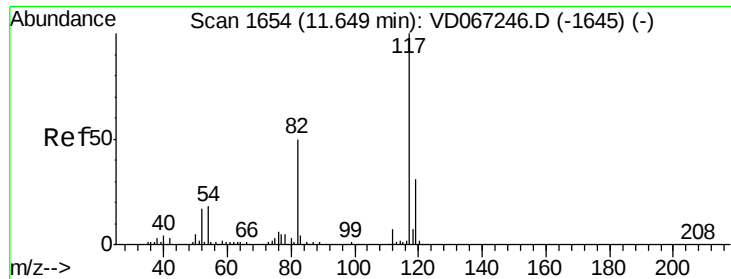
Ion Ratio Lower Upper

95 100

174 89.8 0.0 175.2

176 87.4 0.0 168.6





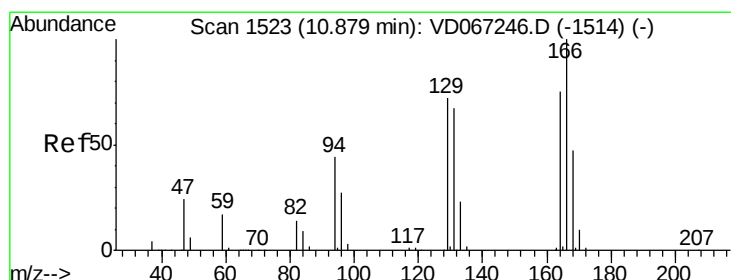
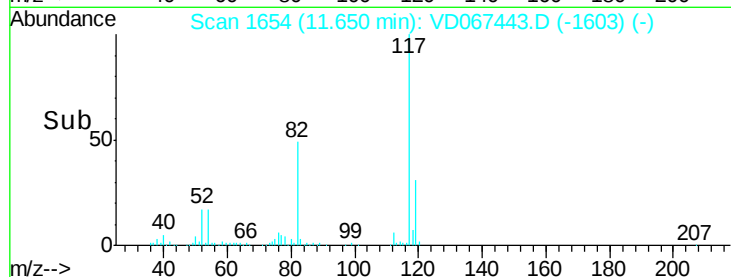
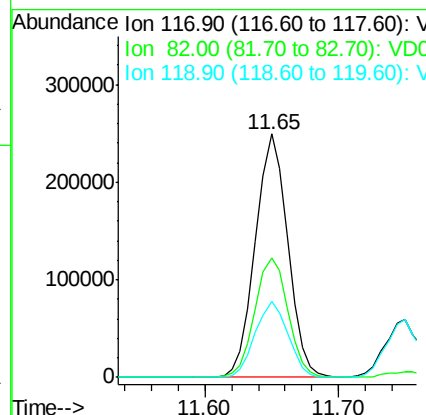
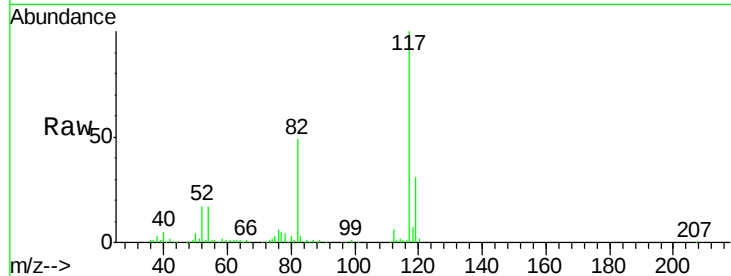
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
117	100	419699		
82	49.2		39.9	59.9
119	31.1		24.9	37.3

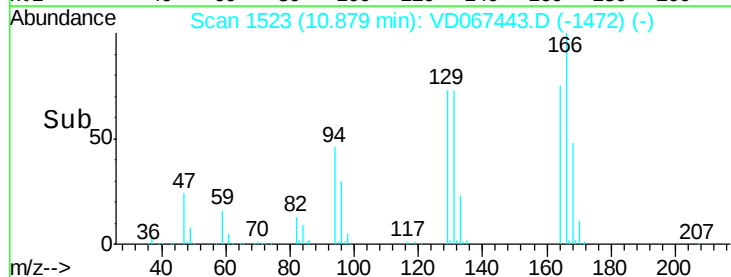
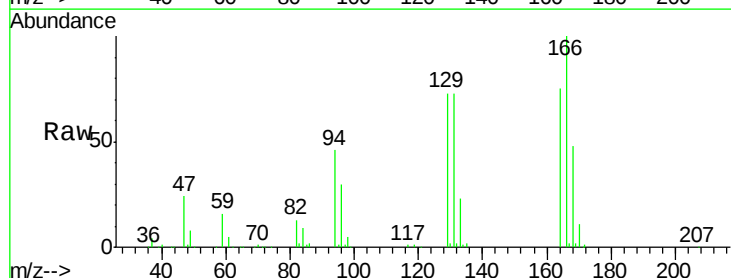
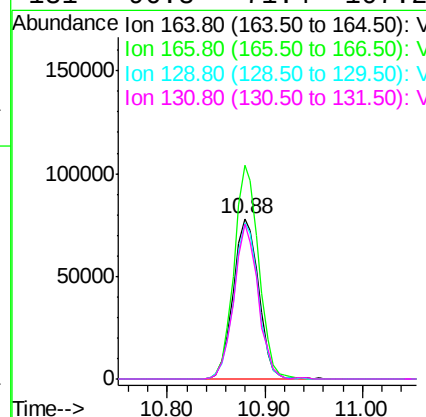
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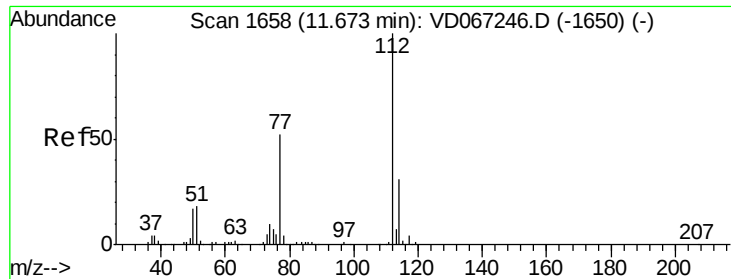
MMDadoda
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#64
Tetrachloroethene
Concen: 46.449 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	141246		
166	133.4		107.3	160.9
129	97.9		77.3	115.9
131	96.8		71.4	107.2





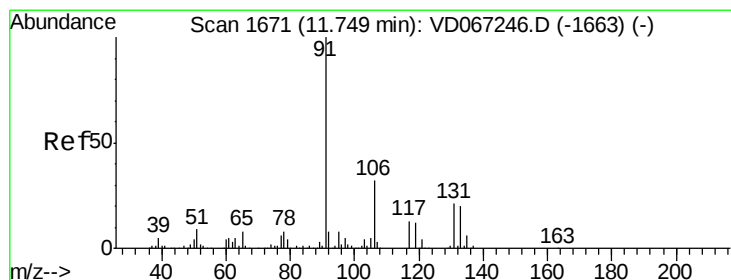
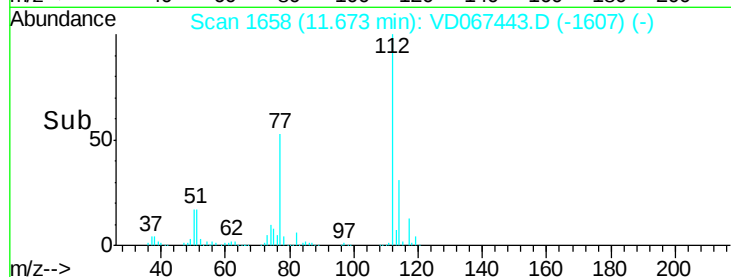
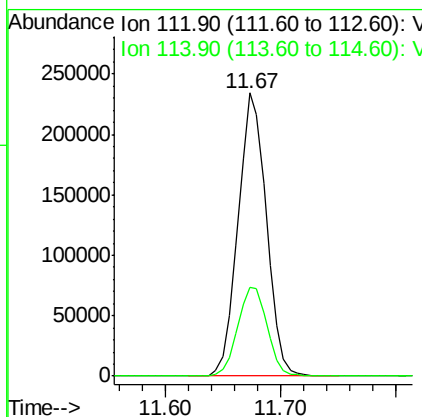
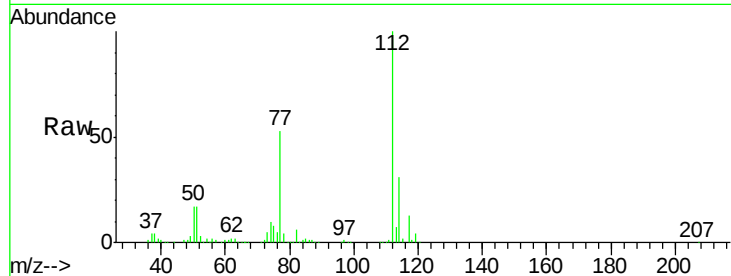
#65
Chlorobenzene
Concen: 49.445 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	25.0	37.4

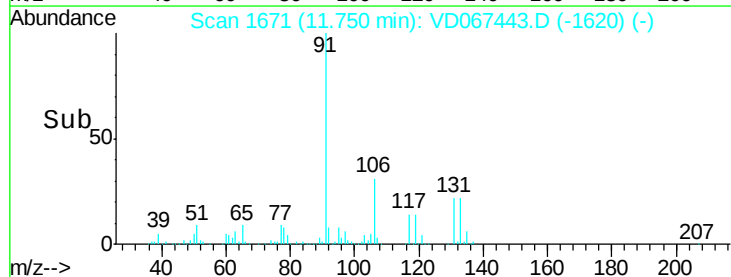
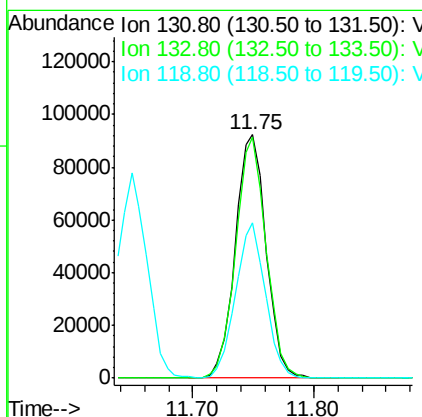
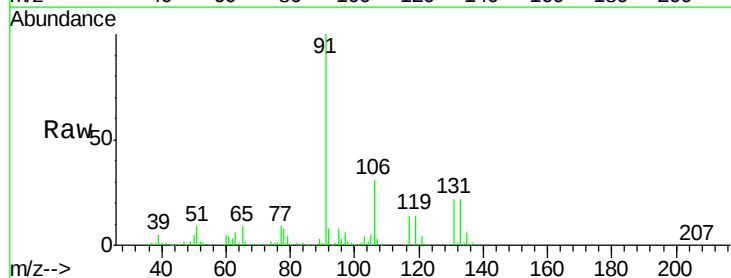
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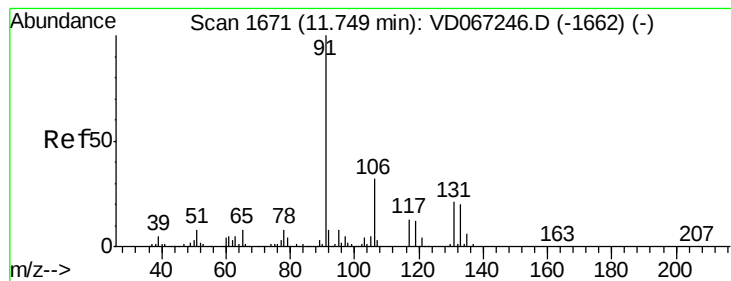
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 51.298 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
131	100		
133	97.6	48.1	144.3
119	61.8	30.0	90.0





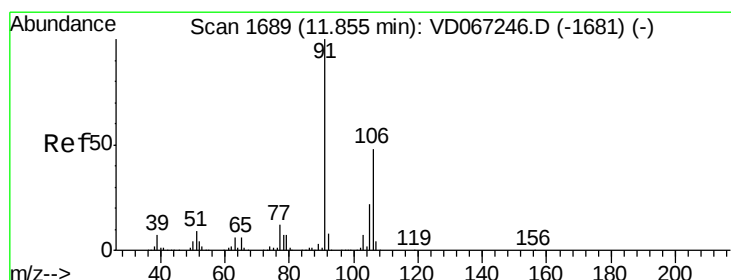
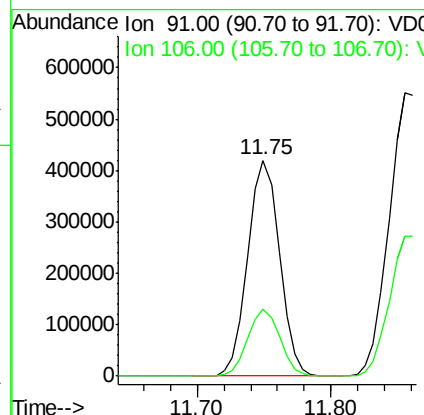
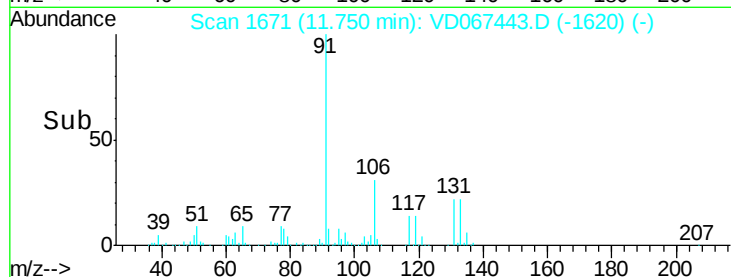
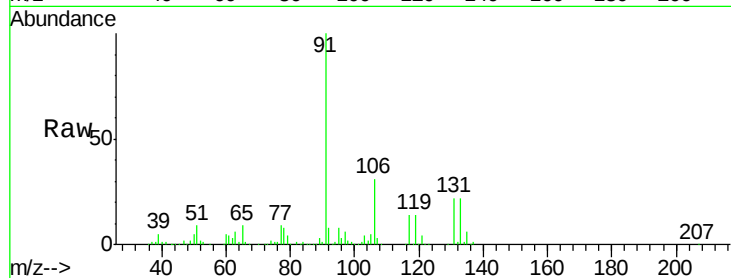
#67
Ethyl Benzene
Concen: 50.234 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 693032
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.0

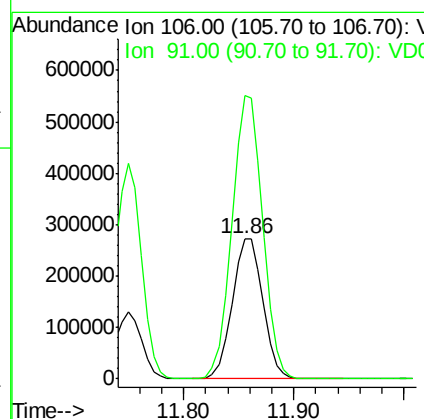
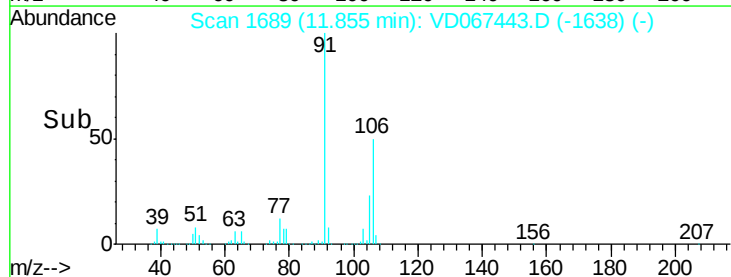
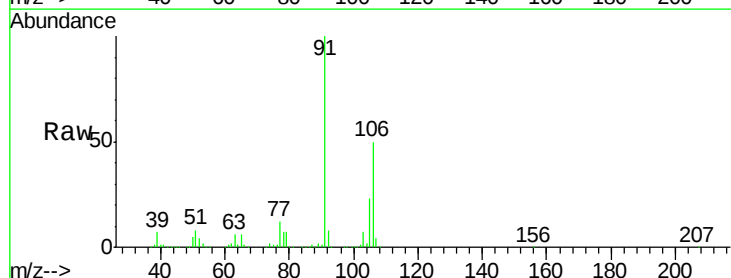
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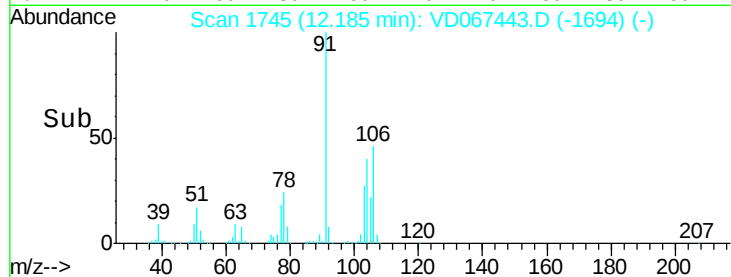
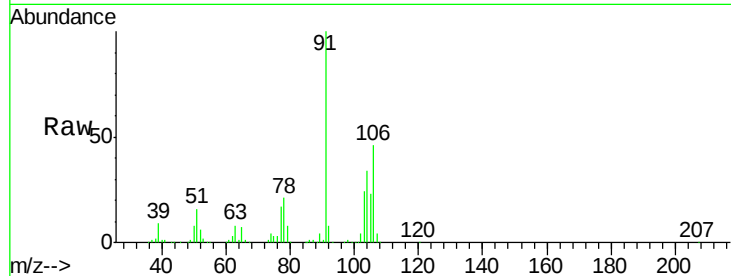
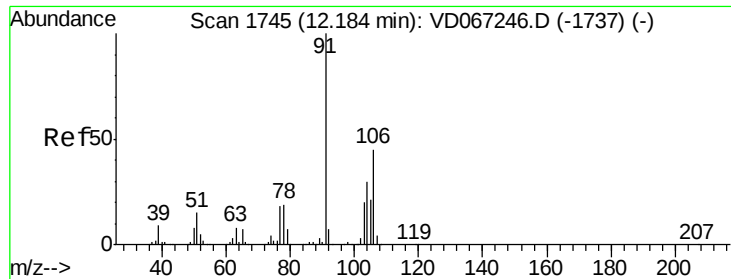
MMDadoda
10/29/2020 12:00:58 PM



#68
m/p-Xylenes
Concen: 99.536 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion: 106 Resp: 528801
Ion Ratio Lower Upper
106 100
91 202.7 163.8 245.8





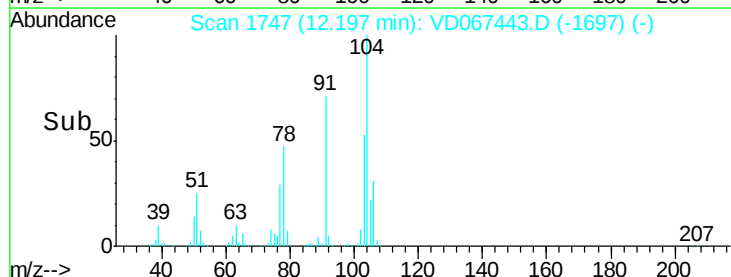
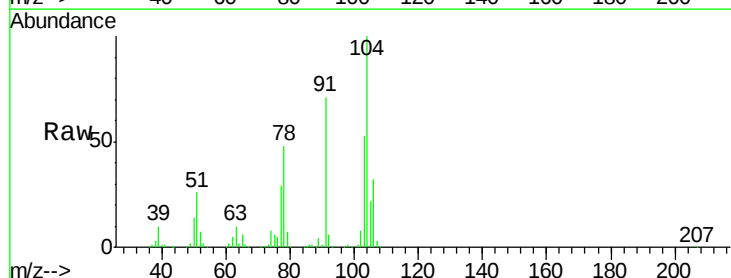
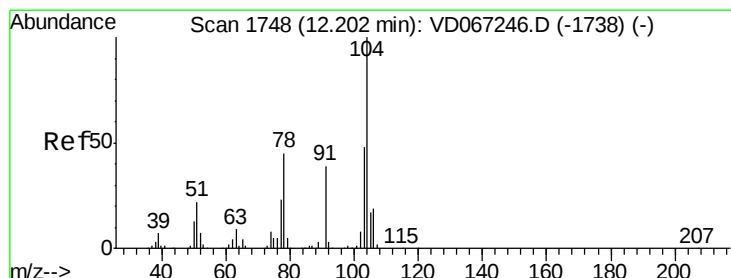
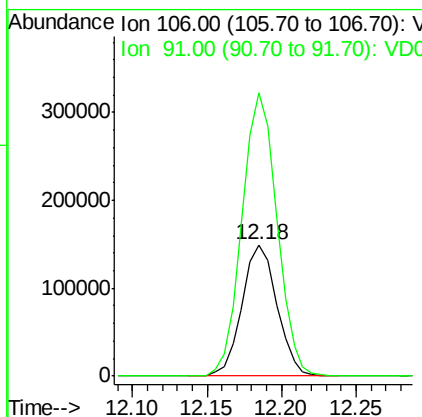
#69
o-Xylene
Concen: 49.401 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tot Ion	Ratio	Resp	Lower	Upper
106	100	243032		
91	215.6	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

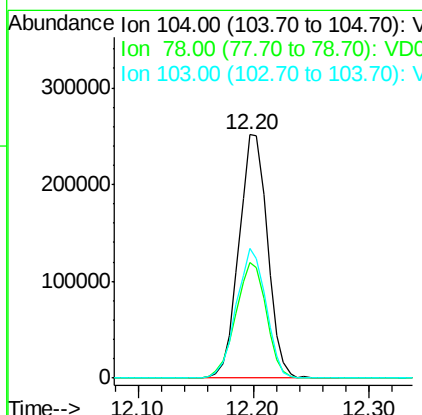
Manual Integrations
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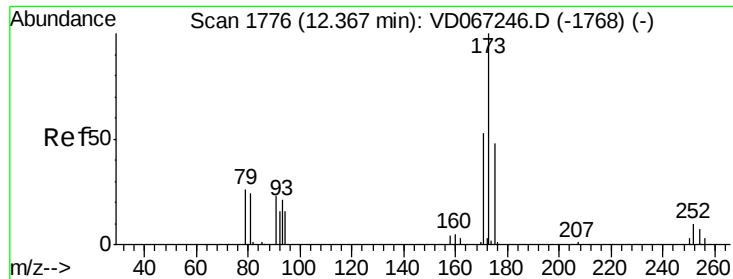
MMDadoda
10/29/2020 12:00:58 PM



#70
Styrene
Concen: 51.078 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	432565		
78	50.9	39.8	59.6	
103	55.3	42.6	64.0	





#71

Bromoform

Concen: 51.625 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 88714

Ion Ratio Lower Upper

173 100

175 48.4 24.2 72.6

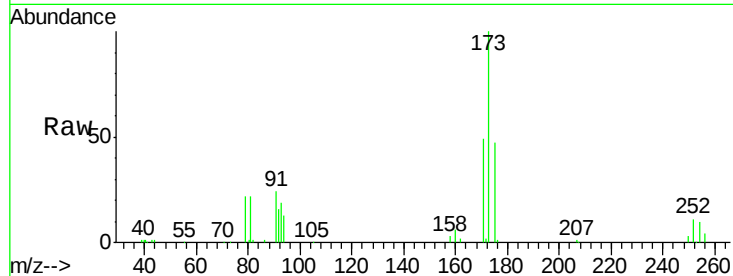
254 0.0 0.1 0.1#

Manual Integrations

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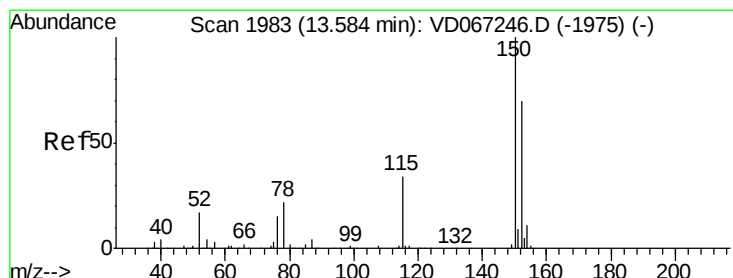
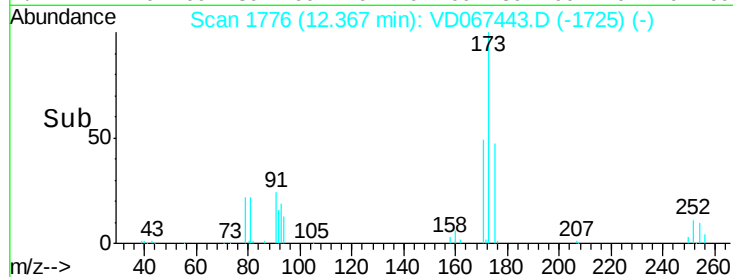
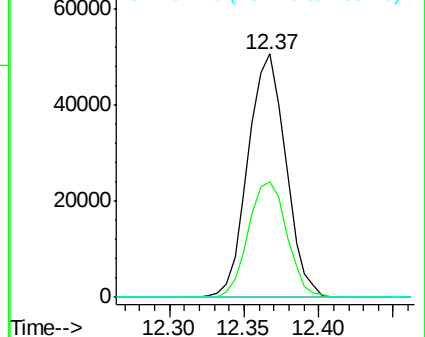
10/29/2020 12:00:58 PM



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

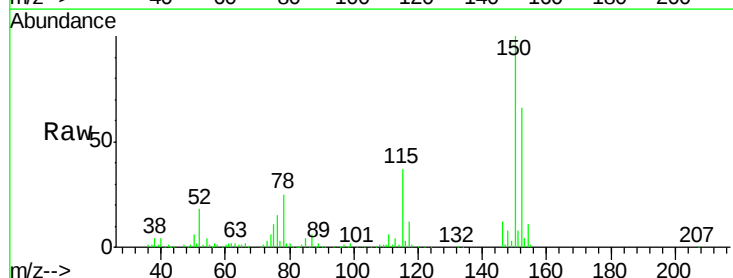
Tgt Ion:152 Resp: 212530

Ion Ratio Lower Upper

152 100

115 56.7 29.3 87.9

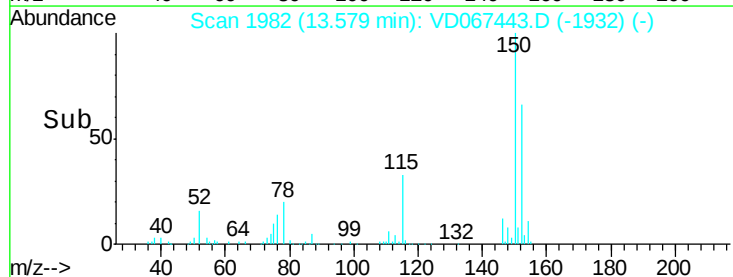
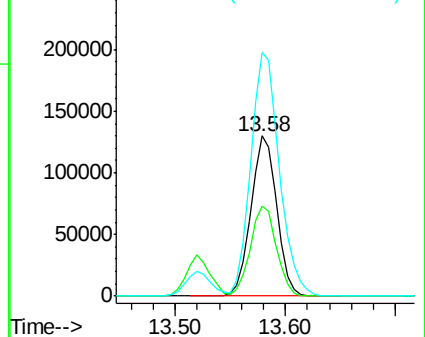
150 168.7 0.0 339.0

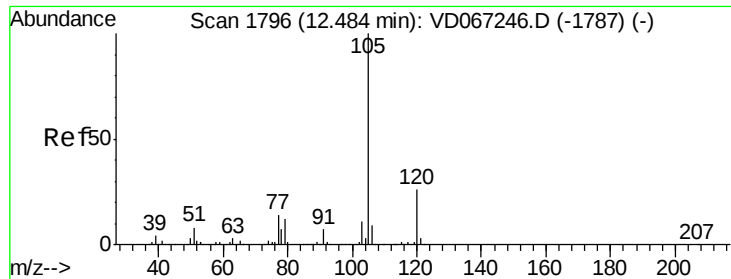


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.583 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 695779

Ion Ratio Lower Upper

105 100

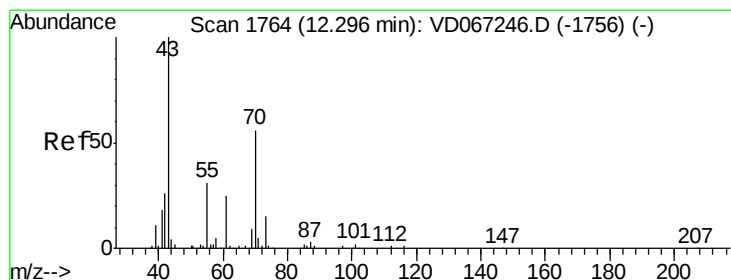
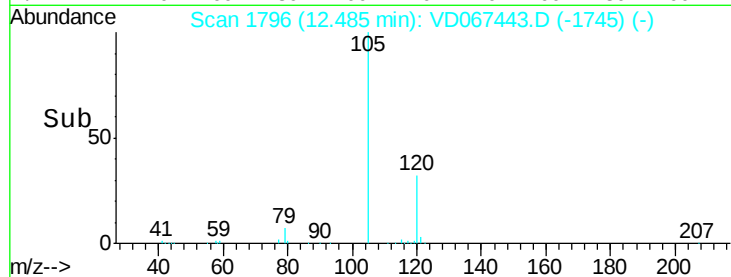
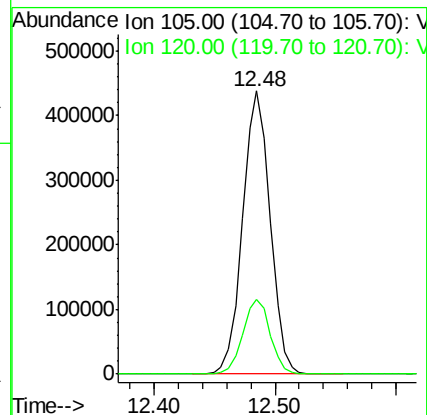
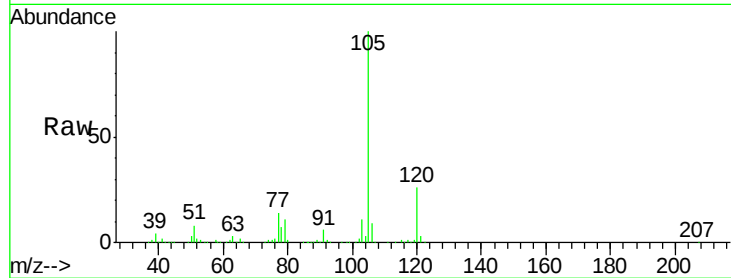
120 26.3 13.3 39.8

Manual Integrations

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#74

N-ethyl acetate

Concen: 48.899 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Tgt Ion: 43 Resp: 99617

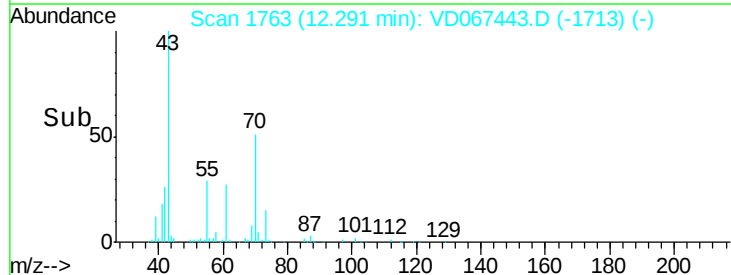
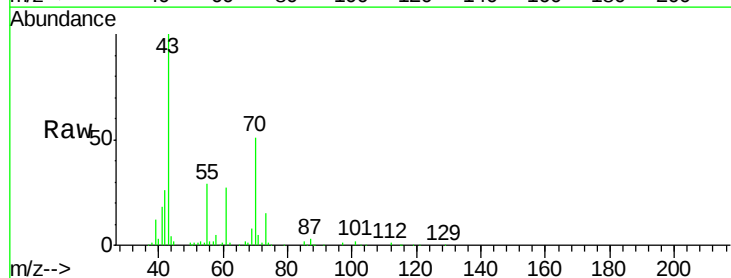
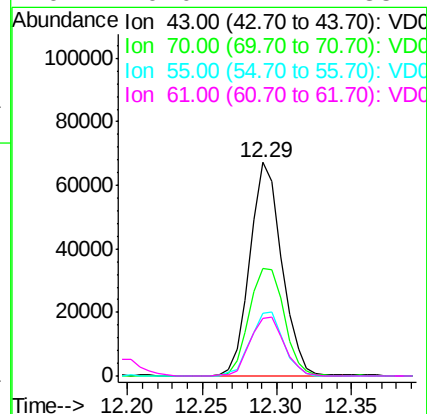
Ion Ratio Lower Upper

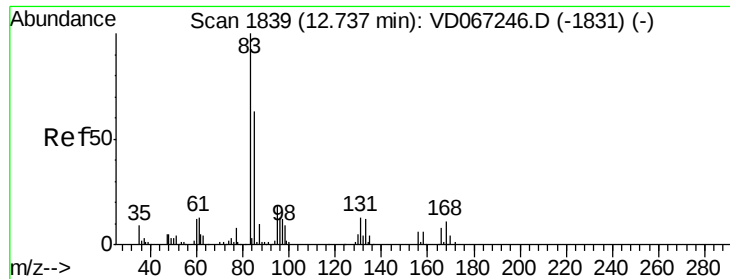
43 100

70 55.1 42.7 64.1

55 31.0 24.0 36.0

61 29.0 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 52.020 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

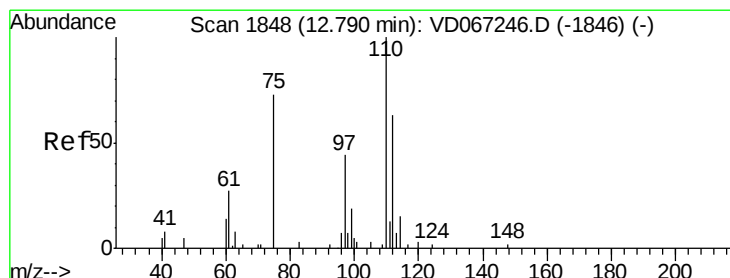
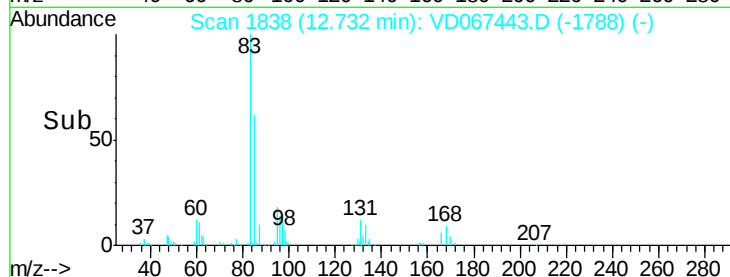
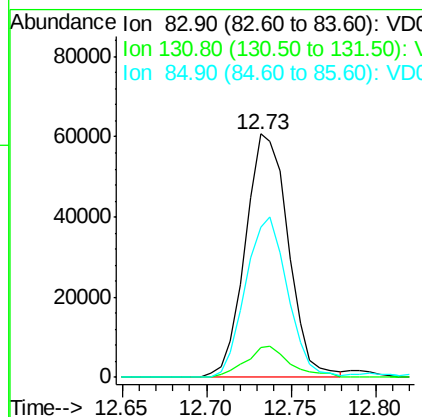
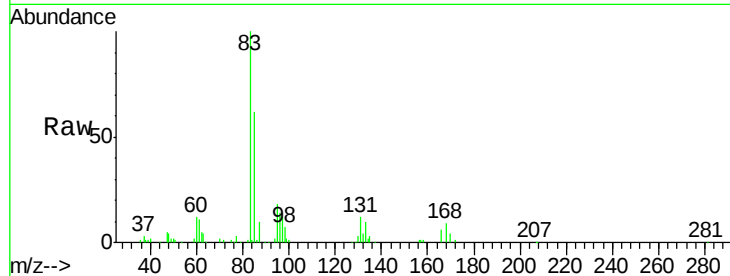
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	107512
Ion Ratio	Lower	Upper	
83	100		
131	13.3	6.5	19.5
85	64.3	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 52.222 ug/l m

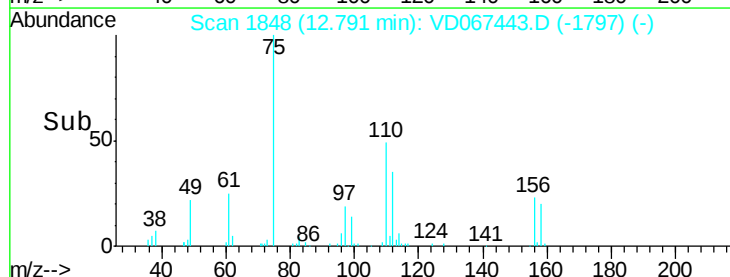
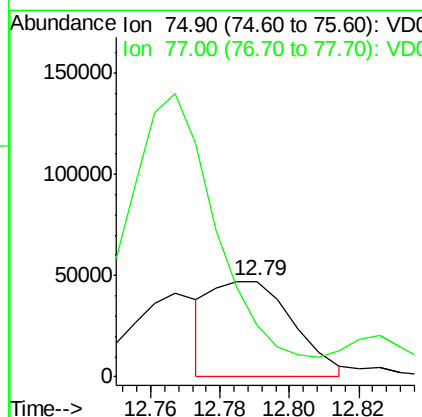
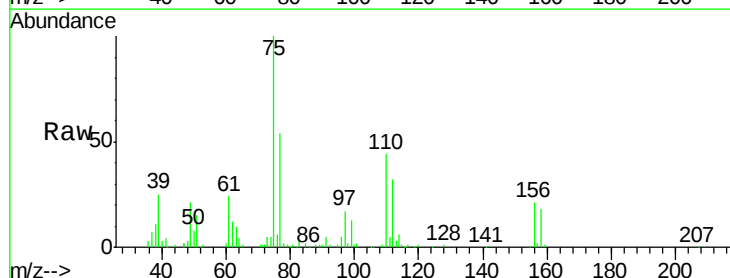
RT: 12.79 min Scan# 1848

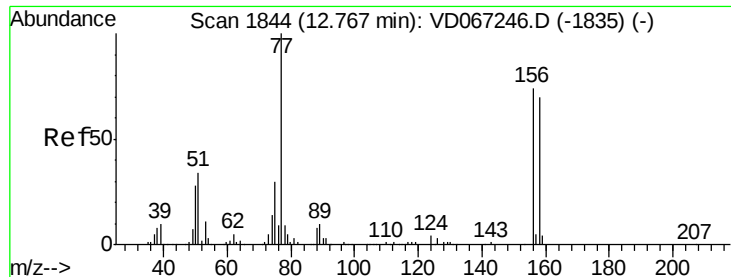
Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Tgt Ion:	75	Resp:	76925
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.523 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

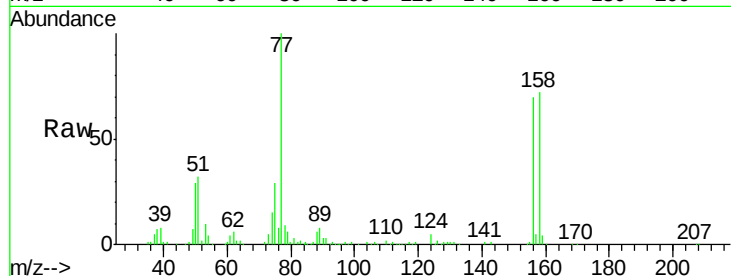
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	169901
Ion Ratio	Lower	Upper	
156	100		
77	154.9	78.0	233.8
158	97.3	49.1	147.3

Manual Integrations
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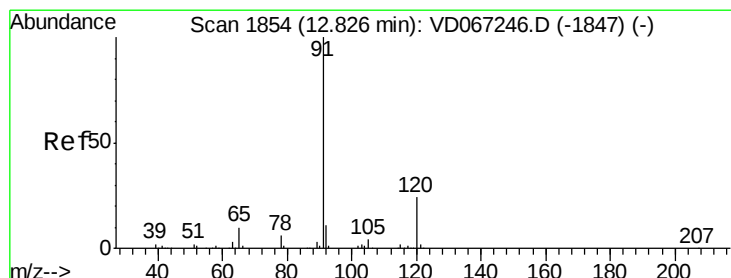
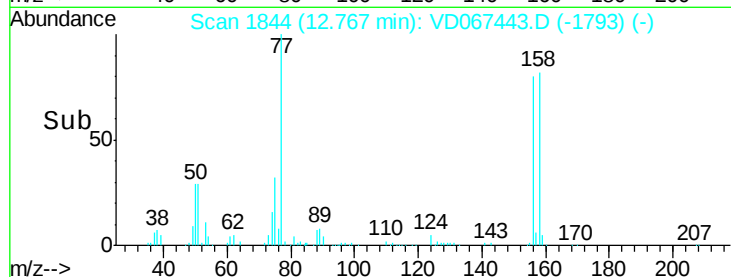
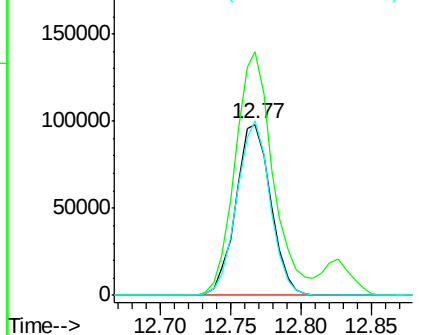
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 49.685 ug/l

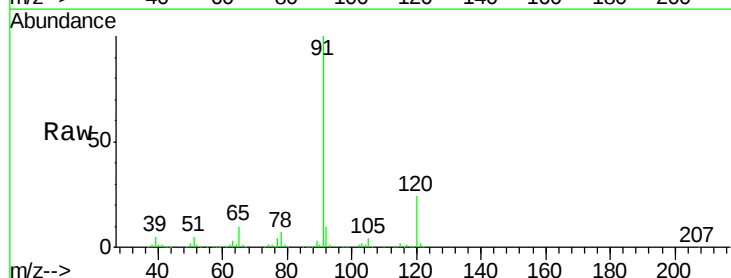
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067443.D

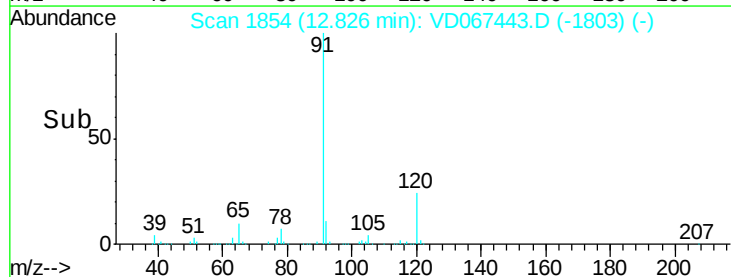
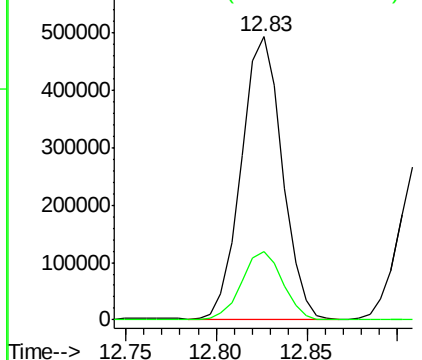
Acq: 28 Oct 2020 19:41

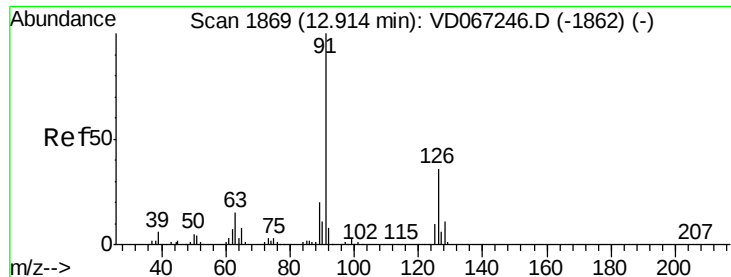
Tgt Ion:	91	Resp:	776484
Ion Ratio	Lower	Upper	
91	100		
120	24.2	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 50.797 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 460378

Ion Ratio Lower Upper

91 100

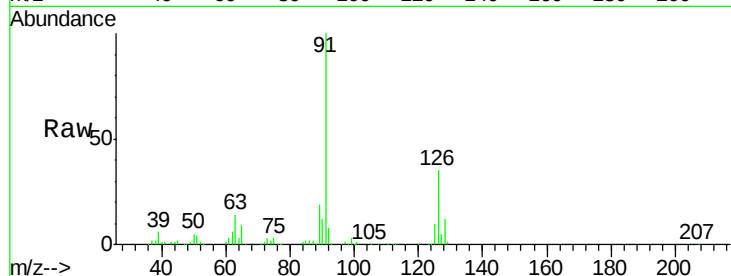
126 35.1 17.6 52.8

Manual Integrations

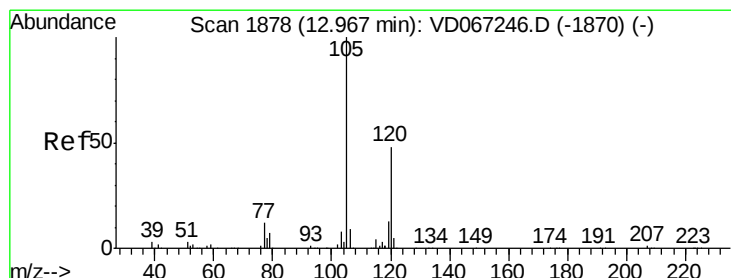
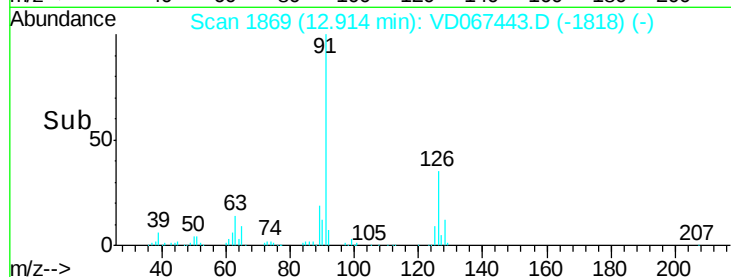
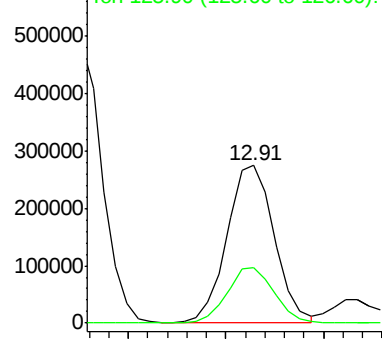
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Abundance Ion 91.00 (90.70 to 91.70): VD067246.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 51.587 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD067443.D

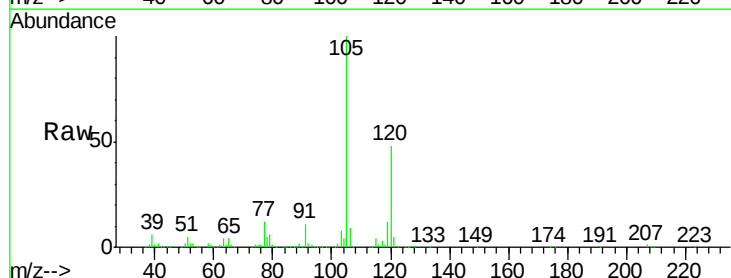
Acq: 28 Oct 2020 19:41

Tgt Ion: 105 Resp: 604677

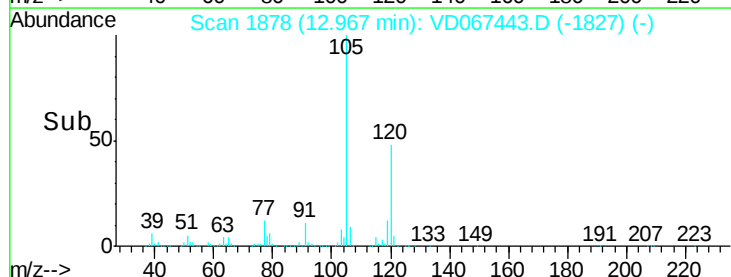
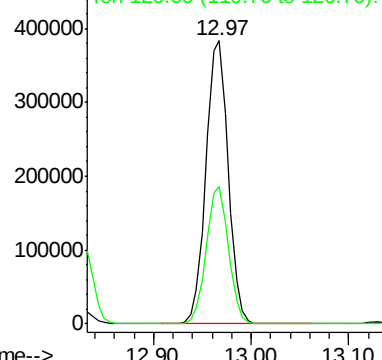
Ion Ratio Lower Upper

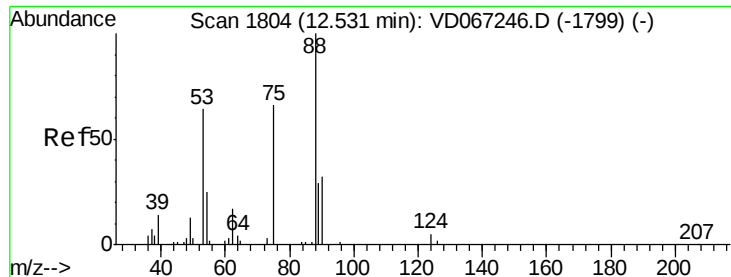
105 100

120 48.5 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): VD067246.D (-1870) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 50.761 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Instrument :

MSVOA_D

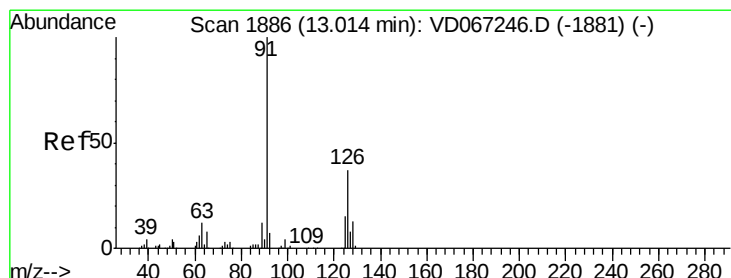
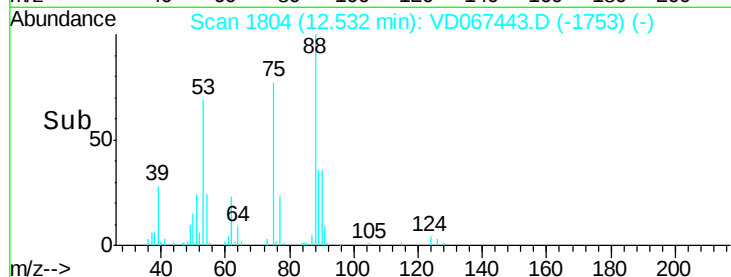
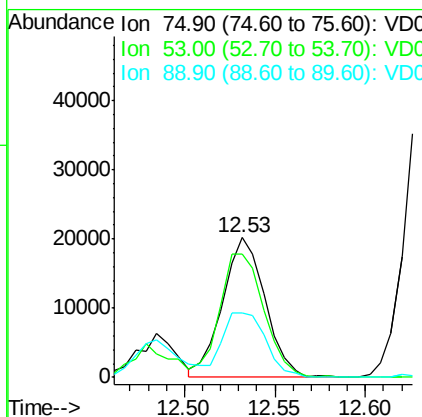
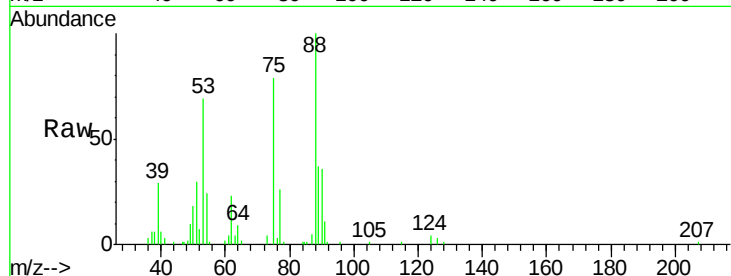
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	32973
Ion	Ratio	Lower	Upper
75	100		
53	92.3	78.5	117.7
89	47.7	39.9	59.9

Manual Integrations
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#82

4-Chlorotoluene

Concen: 50.647 ug/l

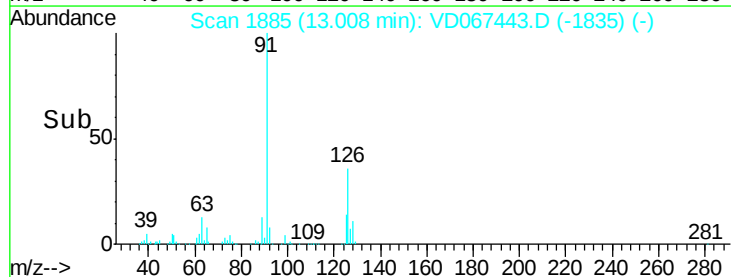
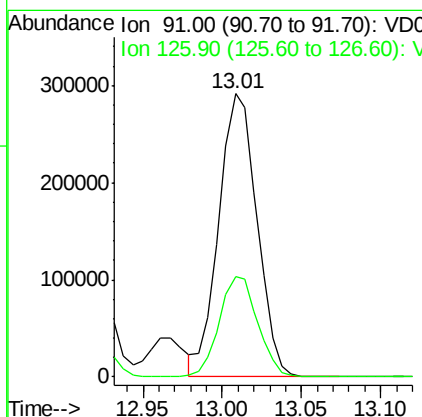
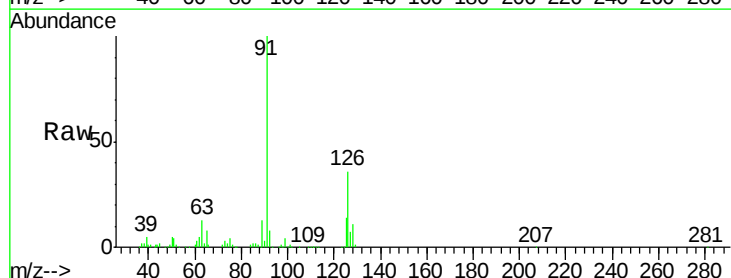
RT: 13.01 min Scan# 1885

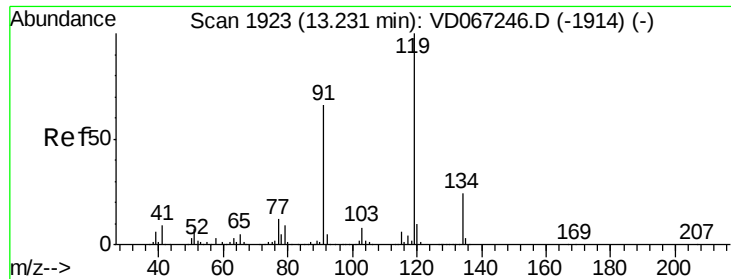
Delta R.T. -0.01 min

Lab File: VD067443.D

Acq: 28 Oct 2020 19:41

Tgt Ion:	91	Resp:	487186
Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5





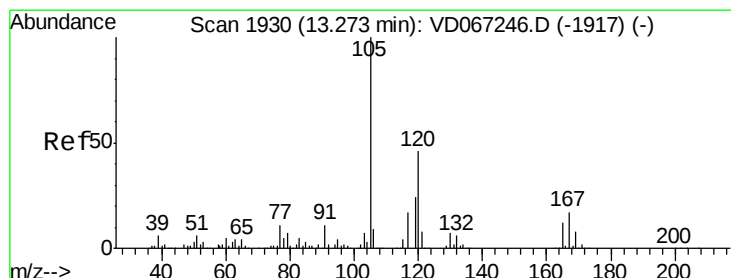
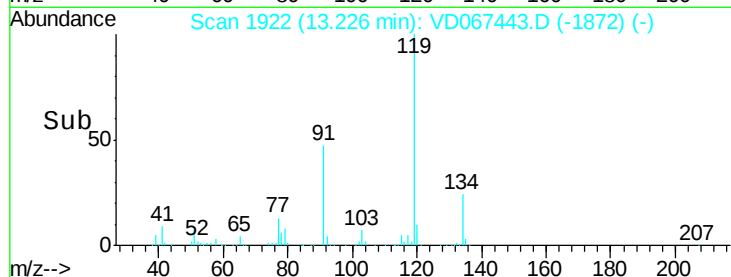
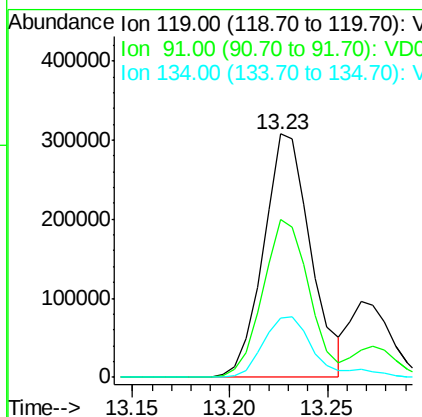
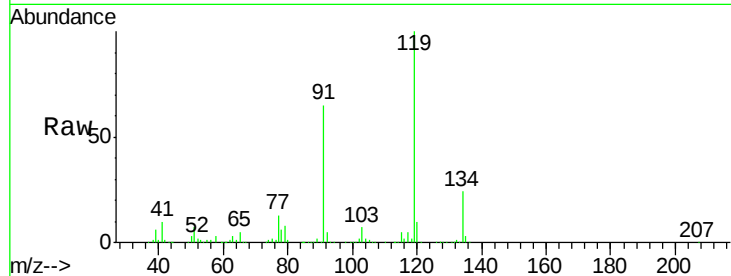
#83
tert-Butylbenzene
Concen: 52.122 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
119	100	516077		
91	63.8		33.1	99.2
134	27.3		13.3	39.9

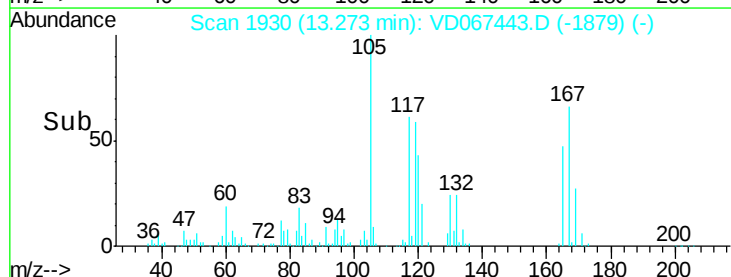
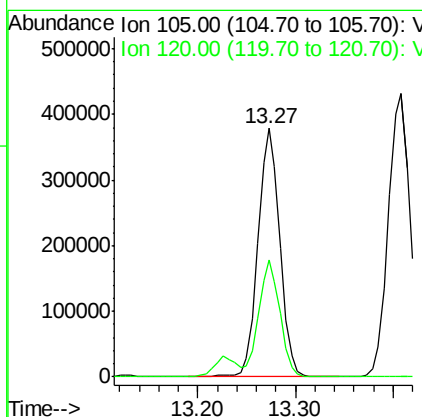
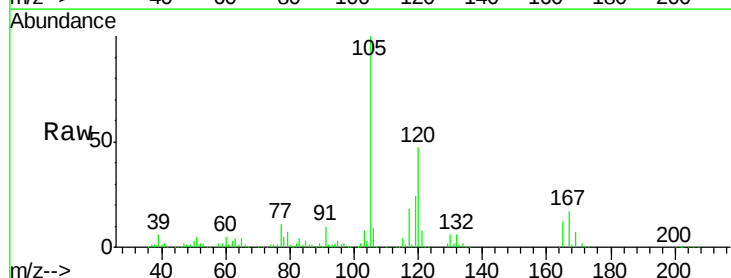
Manual Integrations
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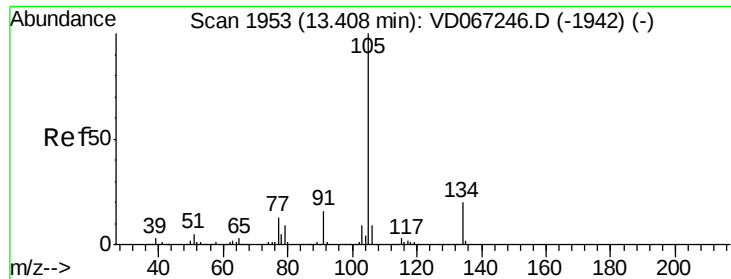
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 51.491 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	596529		
120	46.1		22.4	67.3





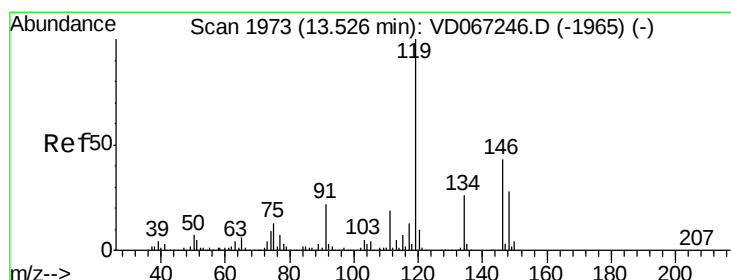
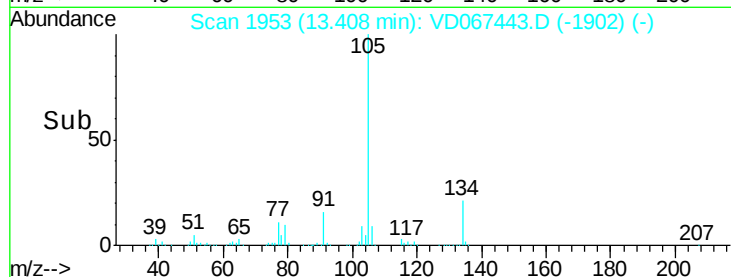
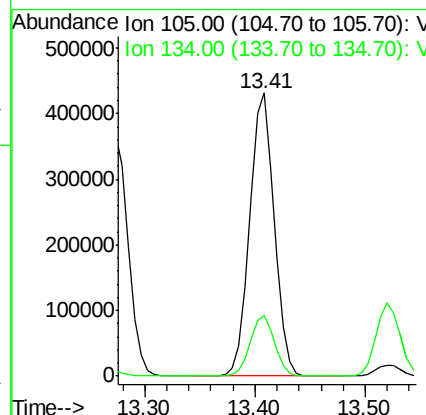
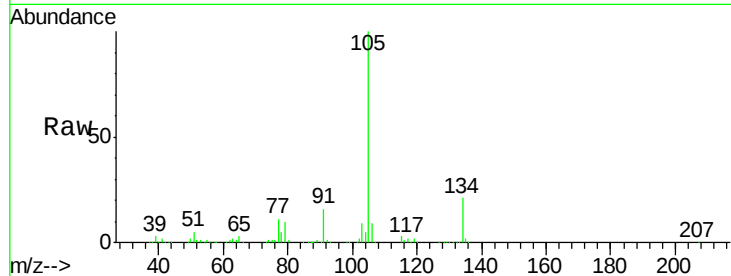
#85
 sec-Butylbenzene
 Concen: 49.620 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.1	10.5	31.5

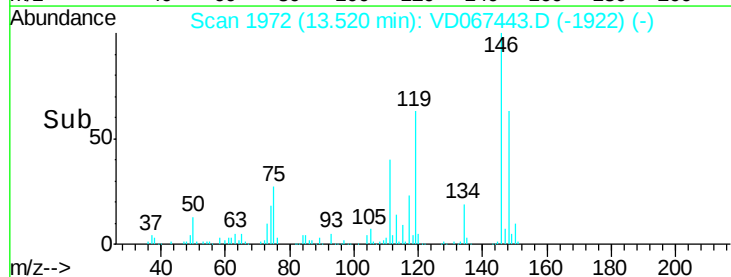
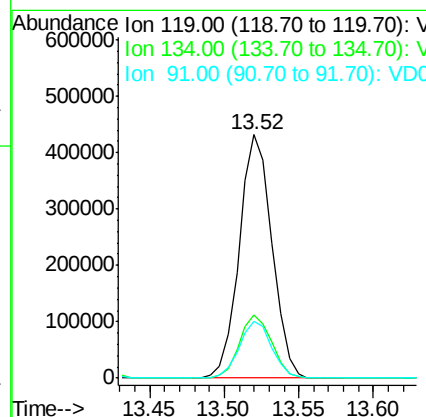
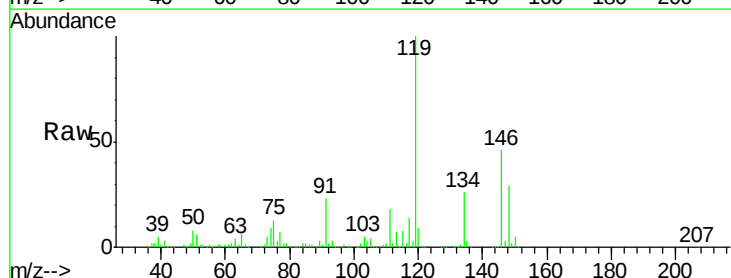
Manual Integrations
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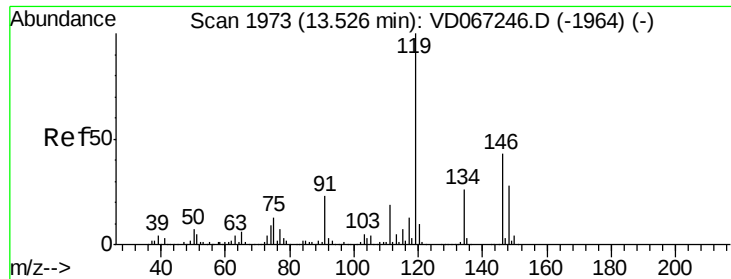
MMDadoda
 10/29/2020 12:00:58 PM



#86
 p-Isopropyltoluene
 Concen: 51.211 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	13.1	39.3
91	23.0	11.9	35.9





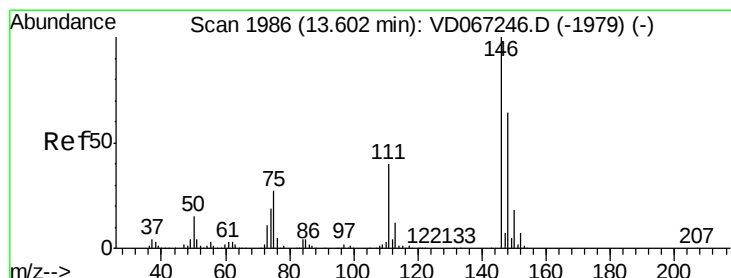
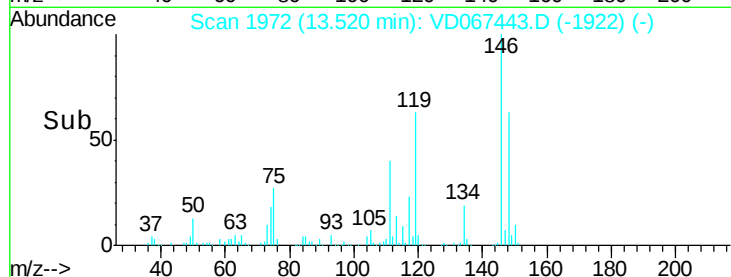
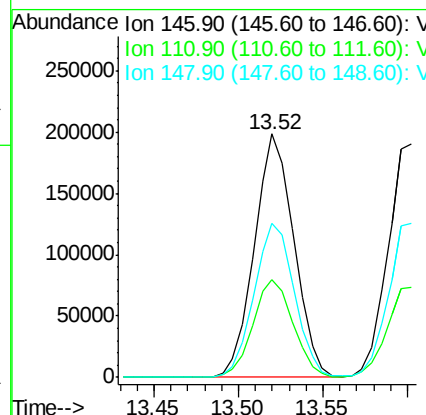
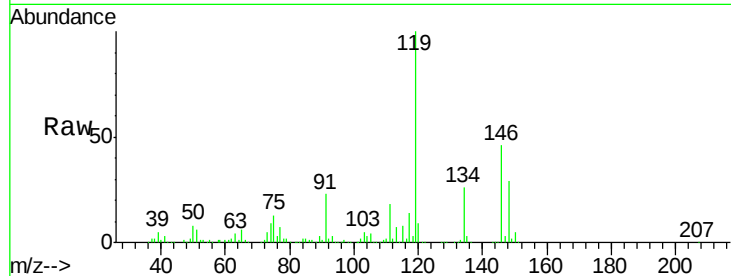
#87
 1,3-Dichlorobenzene
 Concen: 49.859 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.1	63.3
148	64.4	31.9	95.9

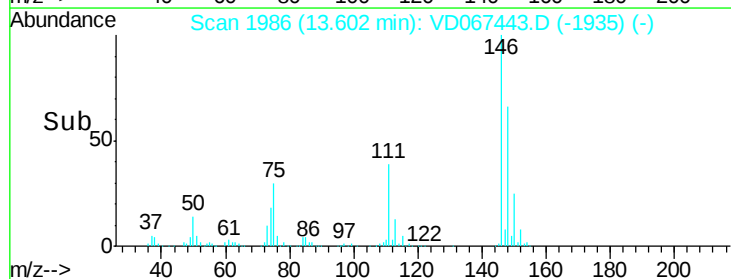
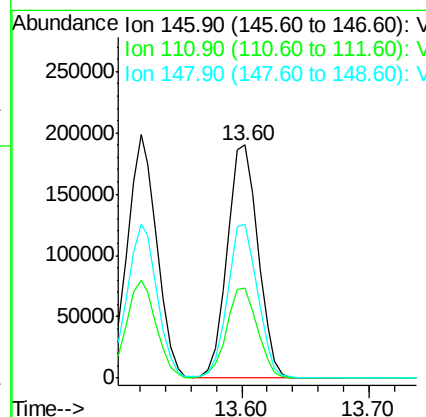
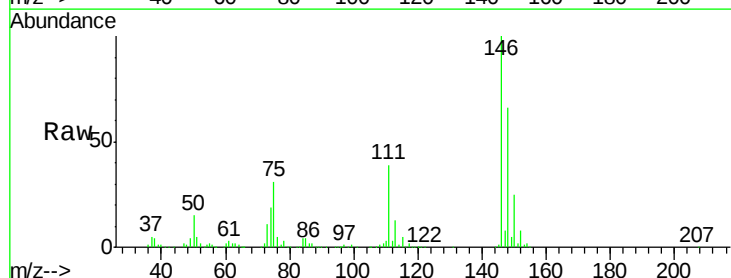
Manual Integrations
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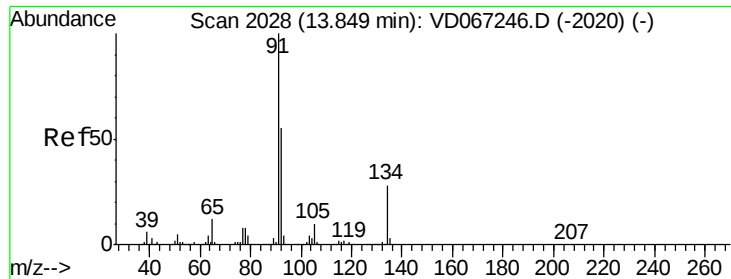
MMDadoda
 10/29/2020 12:00:58 PM



#88
 1,4-Dichlorobenzene
 Concen: 49.893 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.9	59.7
148	64.6	31.9	95.9





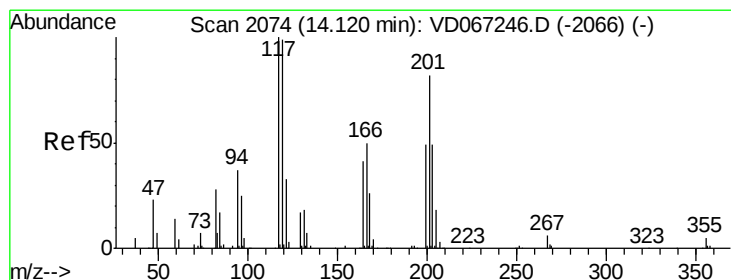
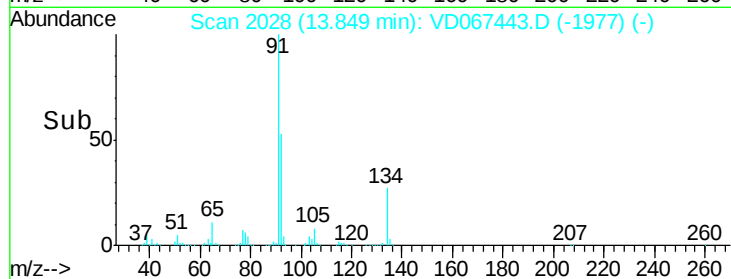
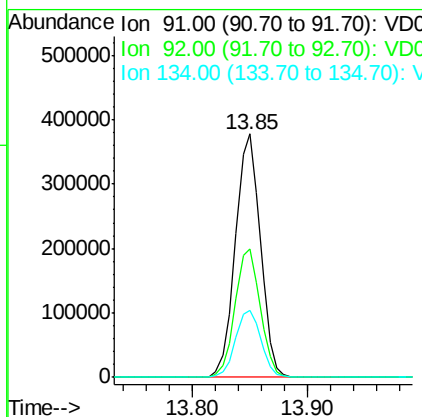
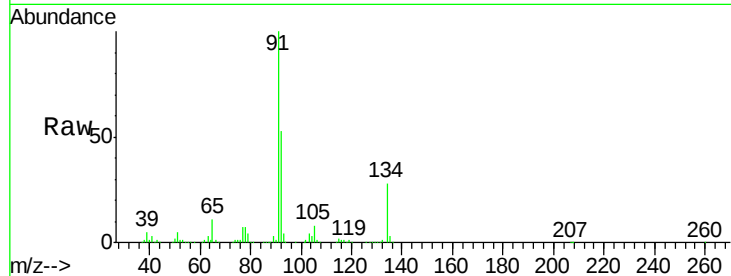
#89
n-Butylbenzene
Concen: 50.150 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	26.7	80.0
134	28.1	14.2	42.6

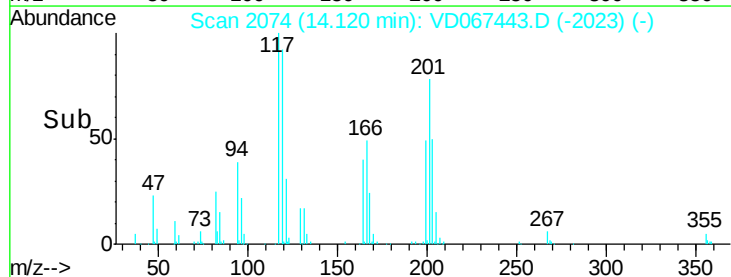
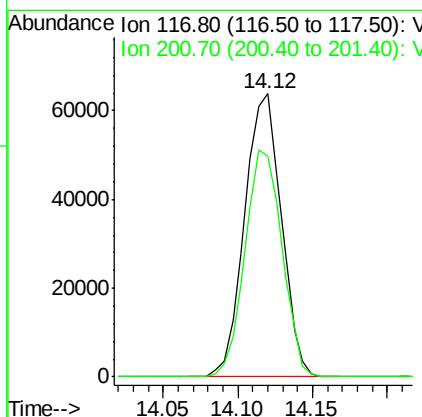
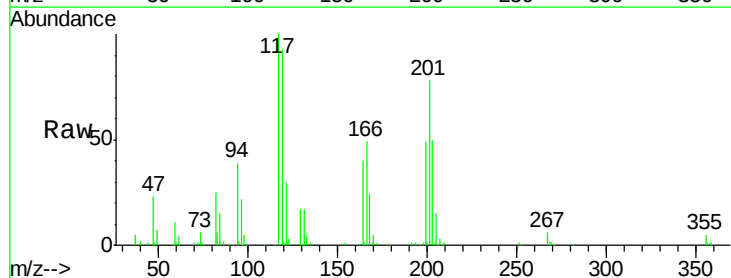
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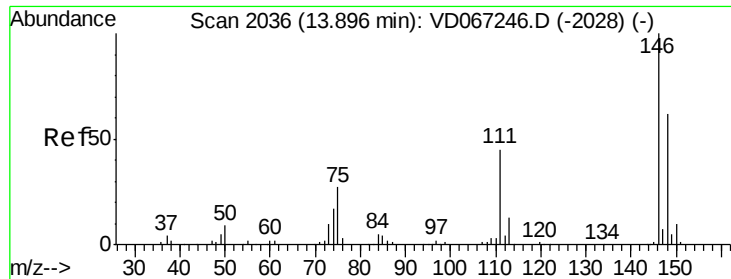
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#90
Hexachloroethane
Concen: 48.551 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	40.8	122.2





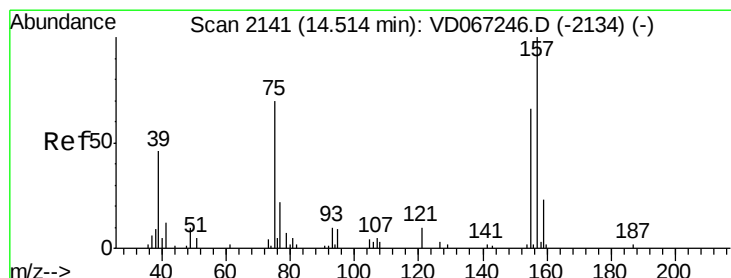
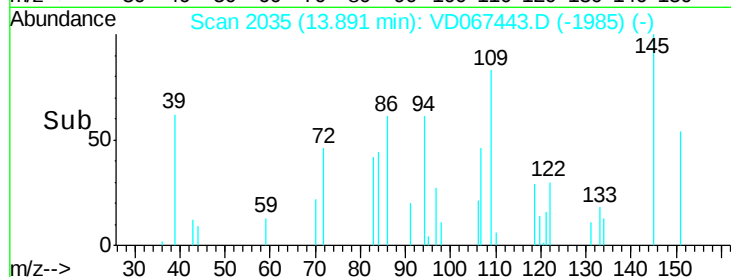
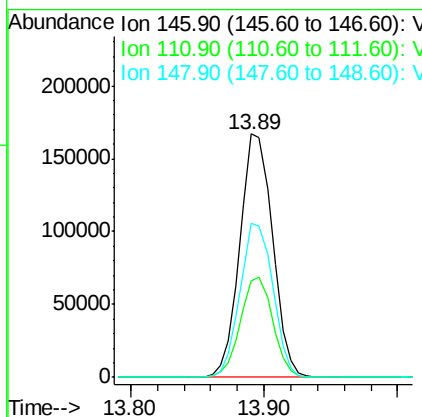
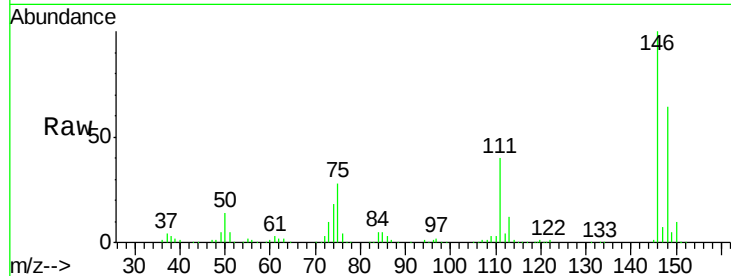
#91
 1,2-Dichlorobenzene
 Concen: 50.202 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	22.0	66.0
148	63.7	32.5	97.5

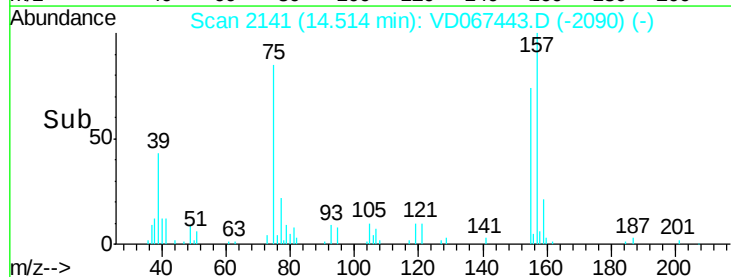
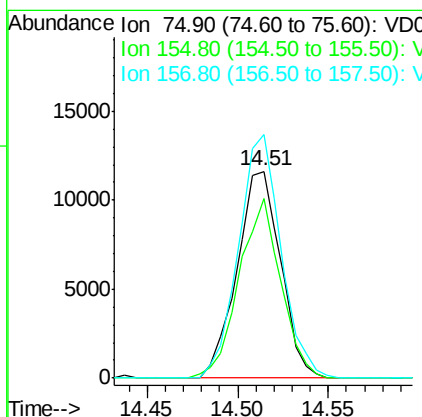
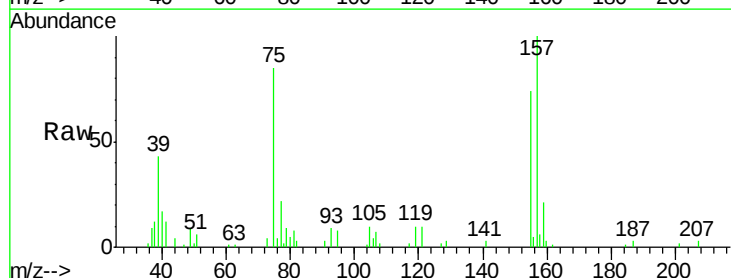
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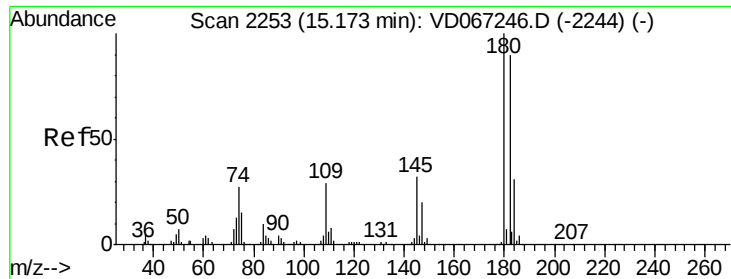
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.605 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
75	100		
155	83.4	44.8	134.4
157	115.3	62.5	187.4





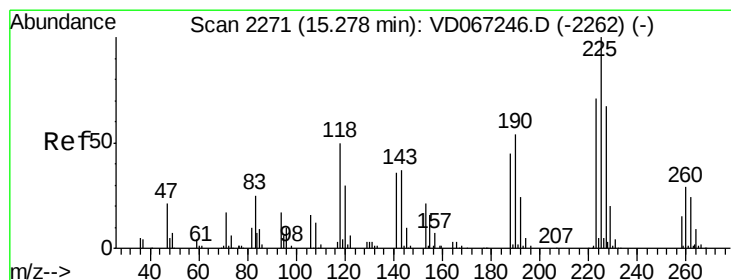
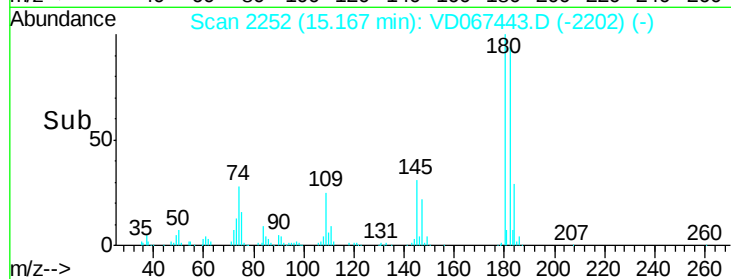
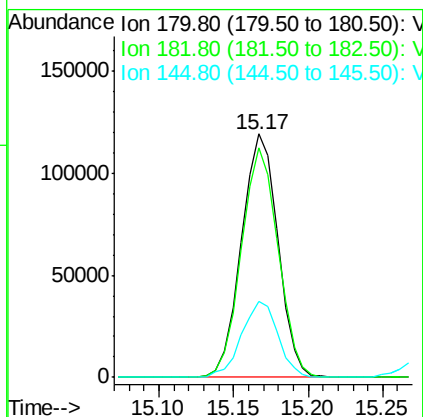
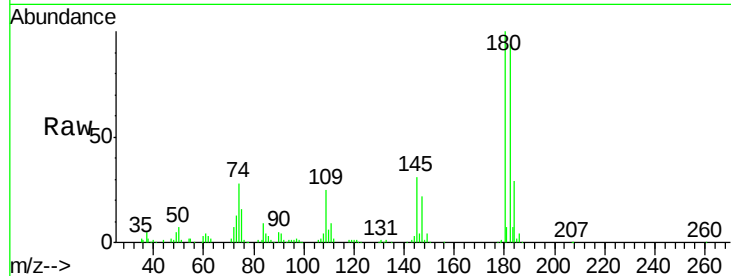
#93
 1,2,4-Trichlorobenzene
 Concen: 52.909 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	201708		
182	94.9		48.1	144.4
145	31.1		16.3	48.9

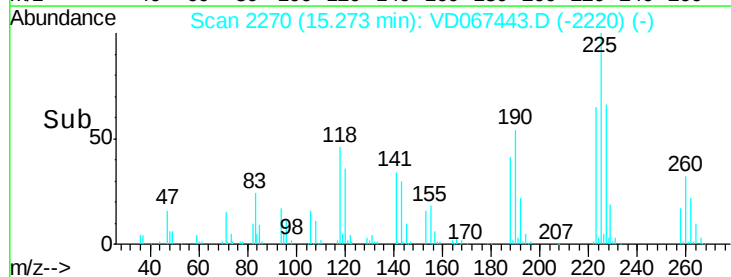
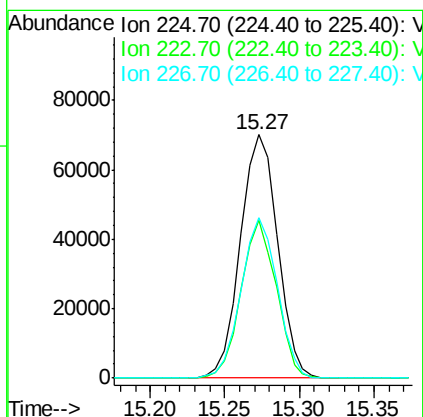
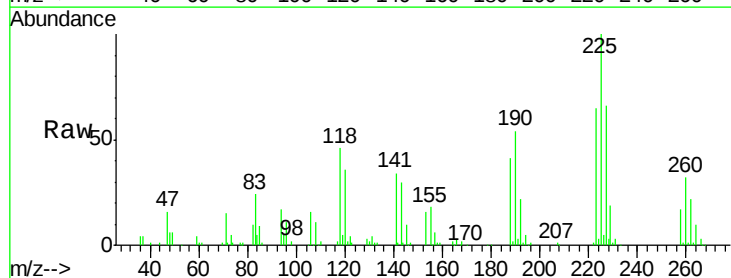
Manual Integrations
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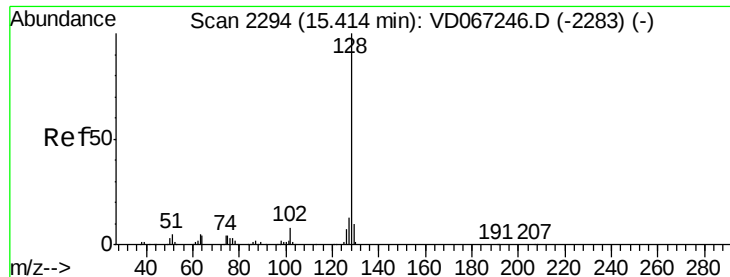
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#94
 Hexachlorobutadiene
 Concen: 51.187 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067443.D
 Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	121182		
223	61.2		31.9	95.7
227	64.4		31.2	93.6





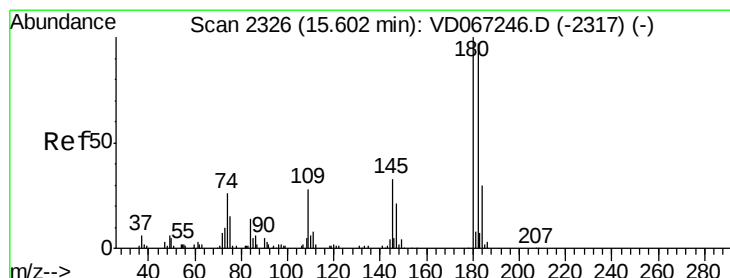
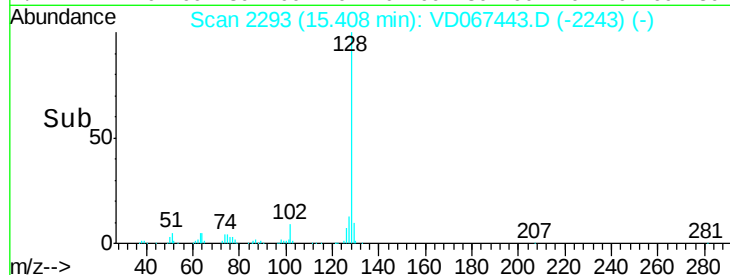
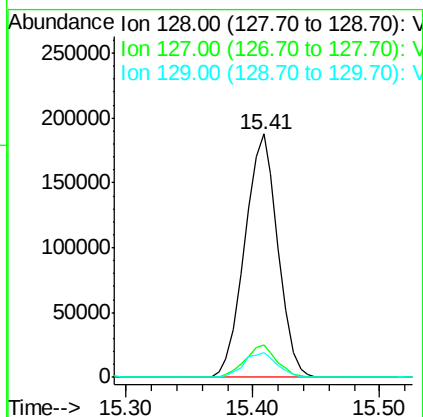
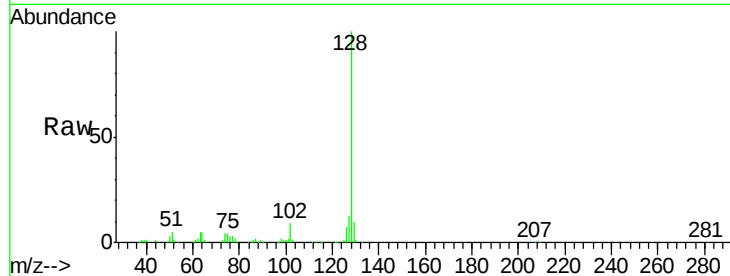
#95
Naphthalene
Concen: 54.230 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	10.5	8.6	12.8

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 52.778 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067443.D
Acq: 28 Oct 2020 19:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.7	48.1	144.3
145	33.8	17.3	51.9

