

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067445.D
 Acq On : 29 Oct 2020 11:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 10/30/2020 1:34:51 PM

Quant Time: Oct 30 02:33:29 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	7.98	168	334948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	473457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	437648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225573	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	145540	43.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.74%	
35) Dibromofluoromethane	7.92	113	153417	48.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.38%	
50) Toluene-d8	10.34	98	552712	48.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.64	95	193520	48.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.62%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	120374	44.271	ug/l	100
3) Chloromethane	2.21	50	85211	40.423	ug/l	98
4) Vinyl Chloride	2.34	62	102048	44.121	ug/l	91
5) Bromomethane	2.77	94	76277	47.263	ug/l	99
6) Chloroethane	2.92	64	63574	44.135	ug/l	92
7) Trichlorofluoromethane	3.27	101	297329	51.051	ug/l	100
8) Diethyl Ether	3.71	74	63224	47.440	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	160813	51.970	ug/l	98
10) Methyl Iodide	4.30	142	153582	53.805	ug/l	99
11) Tert butyl alcohol	5.21	59	46360	269.237	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	140943	50.985	ug/l	93
13) Acrolein	3.92	56	40882	207.844	ug/l	92
14) Allyl chloride	4.71	41	161089	50.885	ug/l	99
15) Acrylonitrile	5.42	53	118893	267.362	ug/l	99
16) Acetone	4.16	43	143686	305.739	ug/l	98
17) Carbon Disulfide	4.41	76	343595	43.599	ug/l	97
18) Methyl Acetate	4.73	43	56811	52.999	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	298940	54.385	ug/l	99
20) Methylene Chloride	4.97	84	157853	52.677	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	163896	51.520	ug/l	97
22) Diisopropyl ether	6.36	45	311348	53.838	ug/l	99
23) Vinyl Acetate	6.31	43	923886	280.808	ug/l	97
24) 1,1-Dichloroethane	6.27	63	256308	51.776	ug/l	98
25) 2-Butanone	7.21	43	146941	274.292	ug/l	95
26) 2,2-Dichloropropane	7.21	77	281249	55.120	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	184727	52.984	ug/l	99
28) Bromochloromethane	7.55	49	81448	48.237	ug/l	99
29) Tetrahydrofuran	7.56	42	81860	274.891	ug/l	96
30) Chloroform	7.71	83	313192	52.961	ug/l	91
31) Cyclohexane	7.98	56	189339	48.988	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	310842	53.572	ug/l	99
36) 1,1-Dichloropropene	8.11	75	225685	56.240	ug/l	99
37) Ethyl Acetate	7.30	43	68912	58.368	ug/l #	93
38) Carbon Tetrachloride	8.10	117	293065	57.141	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	240267	57.273	ug/l	98
40) Benzene	8.36	78	608675	55.290	ug/l	99
41) Methacrylonitrile	7.52	41	25988m	40.733	ug/l	
42) 1,2-Dichloroethane	8.43	62	189410	54.978	ug/l	98
43) Isopropyl Acetate	8.46	43	131380	56.080	ug/l	99
44) Trichloroethene	9.11	130	196946	55.875	ug/l	96
45) 1,2-Dichloropropane	9.39	63	140852	55.206	ug/l	100
46) Dibromomethane	9.48	93	87041	54.755	ug/l	97
47) Bromodichloromethane	9.67	83	241042	56.596	ug/l	98
48) Methyl methacrylate	9.46	41	64942	57.042	ug/l	93
49) 1,4-Dioxane	9.46	88	17398	1135.055	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	335644	287.248	ug/l	99
52) Toluene	10.41	92	426117	56.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	212381	56.766	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	243871	55.697	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	123054	56.767	ug/l	93
56) Ethyl methacrylate	10.67	69	129505	57.606	ug/l	99
57) 1,3-Dichloropropane	10.95	76	193540	56.103	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	324860	281.681	ug/l	98
59) 2-Hexanone	10.99	43	246487	308.703	ug/l	99
60) Dibromochloromethane	11.14	129	173468	54.873	ug/l	98
61) 1,2-Dibromoethane	11.25	107	116922	54.712	ug/l	98
64) Tetrachloroethene	10.88	164	171660	54.136	ug/l	96
65) Chlorobenzene	11.67	112	465324	55.446	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	188561	56.531	ug/l	99
67) Ethyl Benzene	11.75	91	828264	57.574	ug/l	99
68) m/p-Xylenes	11.86	106	645492	116.517	ug/l	97
69) o-Xylene	12.18	106	288405	56.220	ug/l	97
70) Styrene	12.20	104	498433	56.442	ug/l	98
71) Bromoform	12.37	173	101830	56.827	ug/l #	99
73) Isopropylbenzene	12.48	105	840616	58.717	ug/l	100
74) N-amyl acetate	12.29	43	118512	54.810	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	119522	54.487	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	90365m	57.799	ug/l	
77) Bromobenzene	12.77	156	200278	56.113	ug/l	97
78) n-propylbenzene	12.83	91	970399	58.502	ug/l	99
79) 2-Chlorotoluene	12.91	91	538939	56.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	720081	57.880	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39724	57.618	ug/l	94
82) 4-Chlorotoluene	13.01	91	569945	55.825	ug/l	99
83) tert-Butylbenzene	13.23	119	627373	59.699	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	709111	57.669	ug/l	100
85) sec-Butylbenzene	13.41	105	845984	58.668	ug/l	100
86) p-Isopropyltoluene	13.52	119	796326	58.508	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	378265	55.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	378003	55.537	ug/l	100
89) n-Butylbenzene	13.85	91	702370	58.659	ug/l	99
90) Hexachloroethane	14.12	117	134939	56.814	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	328989	54.818	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21411	53.727	ug/l	95

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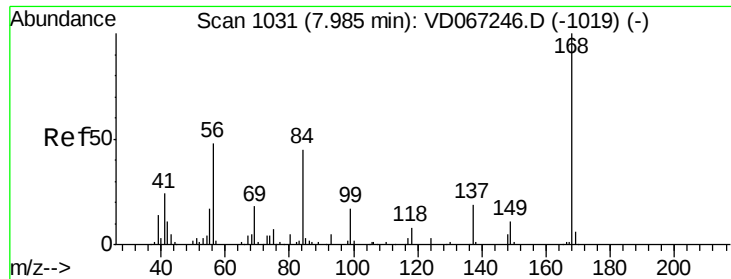
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	236767	58.514	ug/l	99
94) Hexachlorobutadiene	15.27	225	150257	59.798	ug/l	97
95) Naphthalene	15.41	128	394804	59.428	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	205606	58.817	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 334948

Ion Ratio Lower Upper

168 100

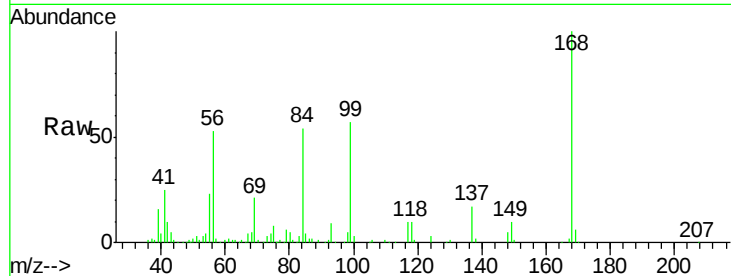
99 56.8 45.9 68.9

Manual Integrations

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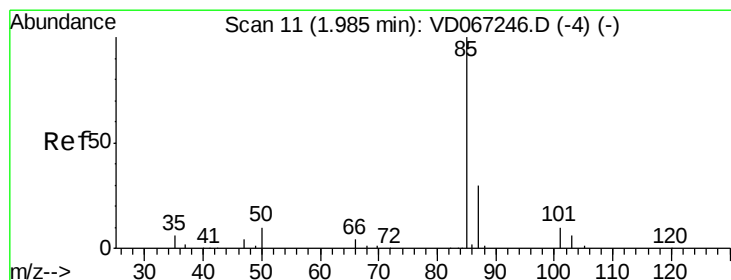
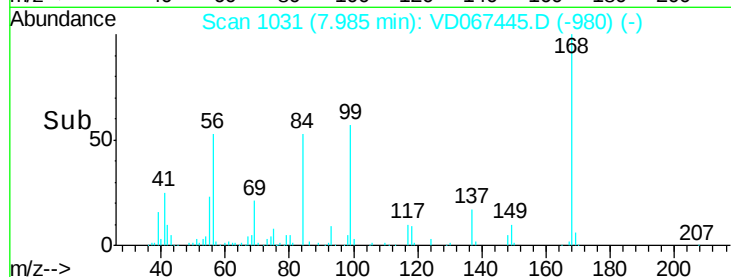
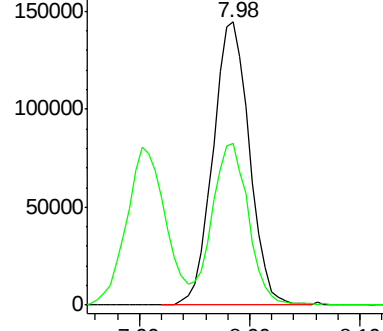
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.271 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067445.D

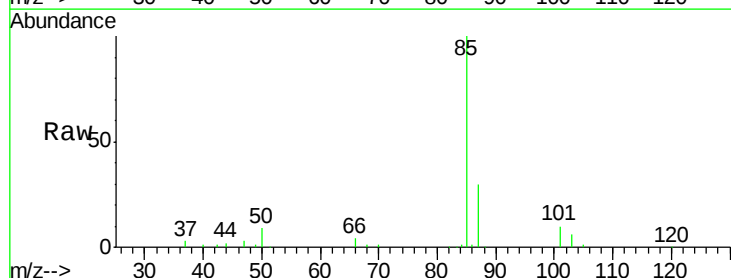
Acq: 29 Oct 2020 11:35

Tgt Ion: 85 Resp: 120374

Ion Ratio Lower Upper

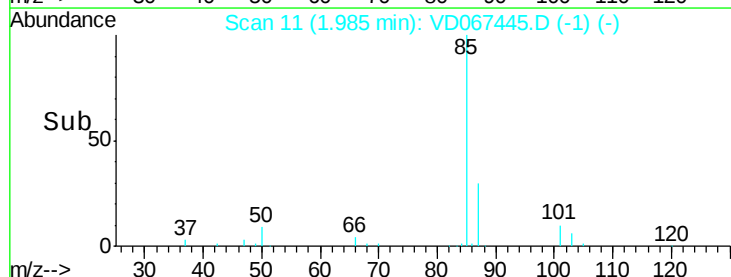
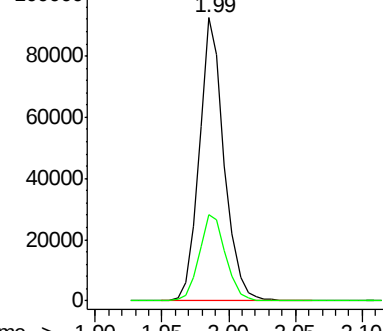
85 100

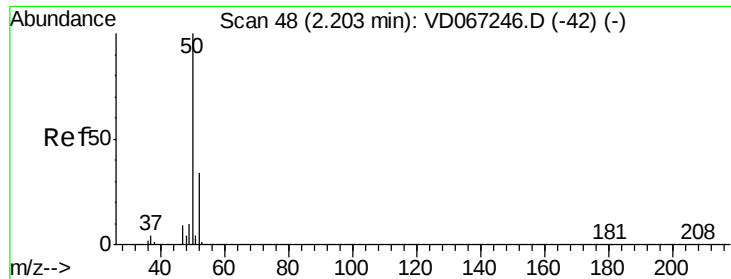
87 30.3 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 85211

Ion Ratio Lower Upper

50 100

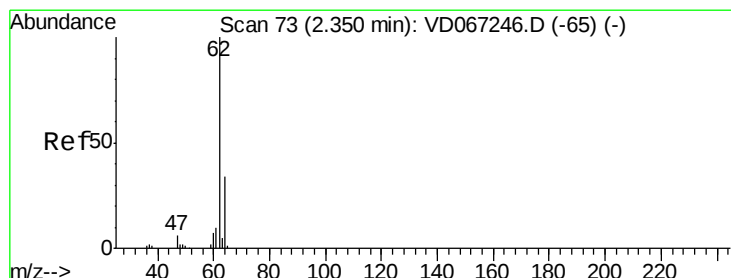
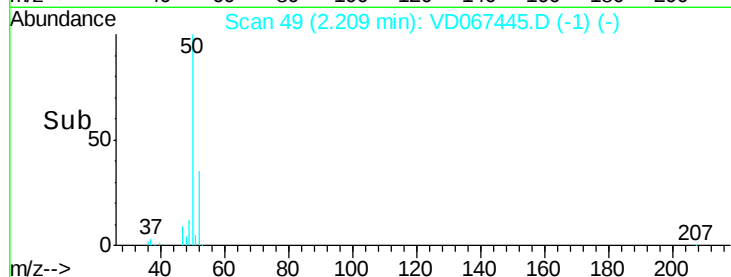
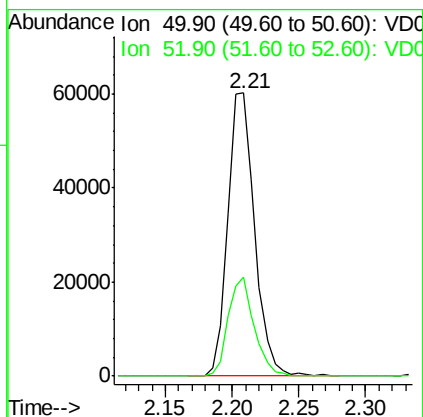
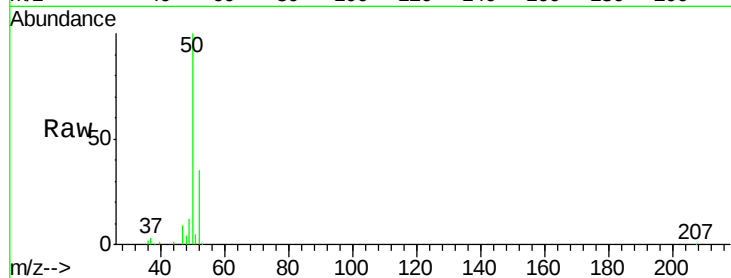
52 35.2 27.1 40.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 44.121 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067445.D

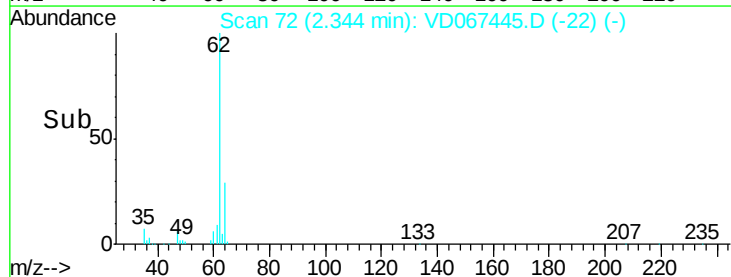
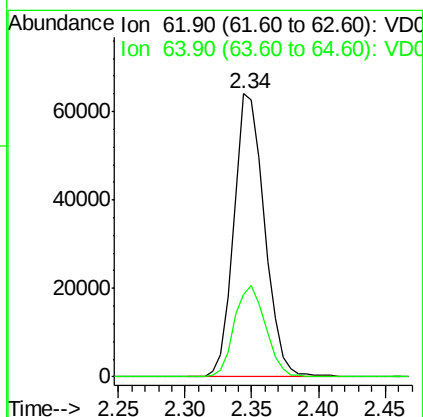
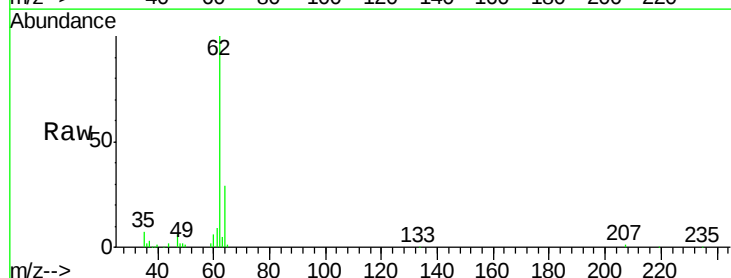
Acq: 29 Oct 2020 11:35

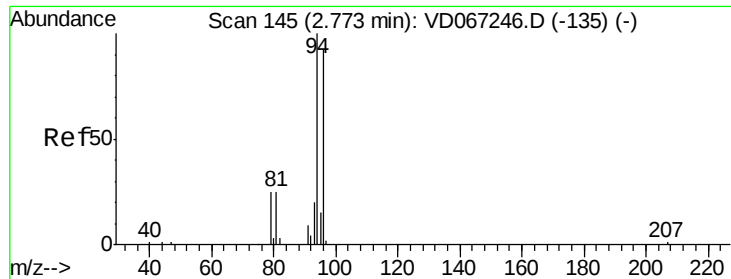
Tgt Ion: 62 Resp: 102048

Ion Ratio Lower Upper

62 100

64 29.2 27.4 41.0





#5

Bromomethane

Concen: 47.263 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

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VSTDCCC050

Tot Ion: 94 Resp: 76277

Ion Ratio Lower Upper

94 100

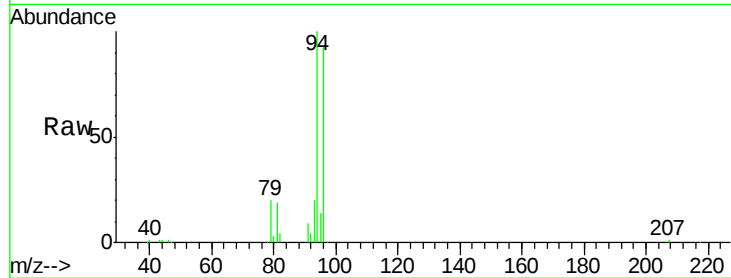
96 93.3 73.8 110.6

Manual Integrations

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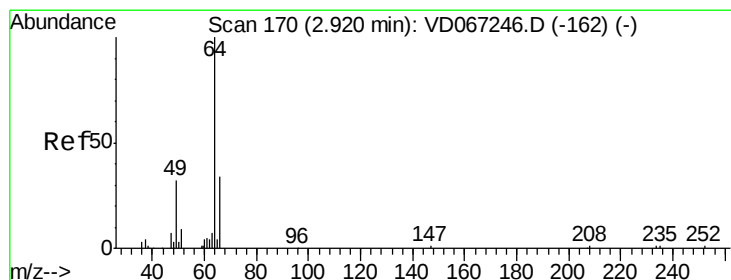
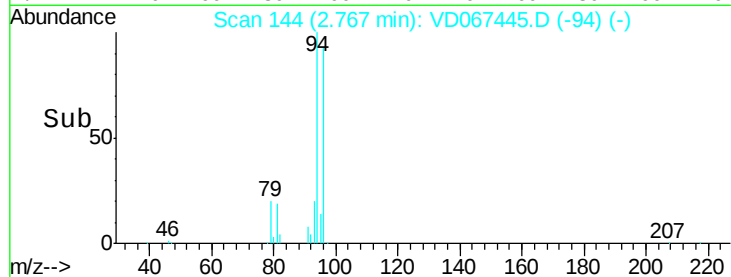
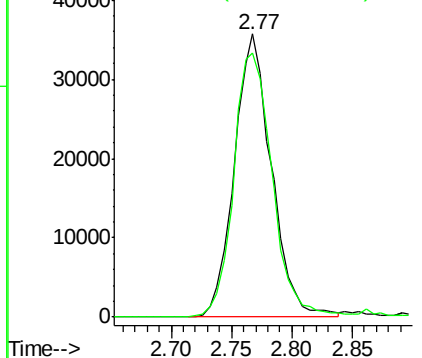
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.135 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067445.D

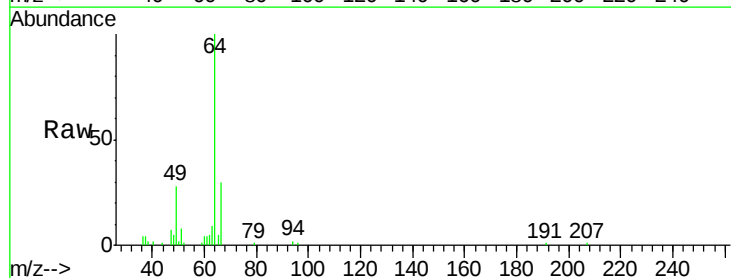
Acq: 29 Oct 2020 11:35

Tgt Ion: 64 Resp: 63574

Ion Ratio Lower Upper

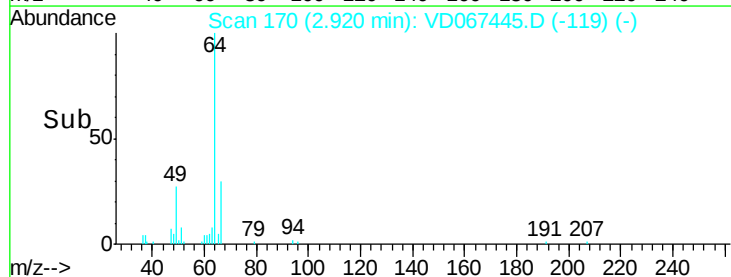
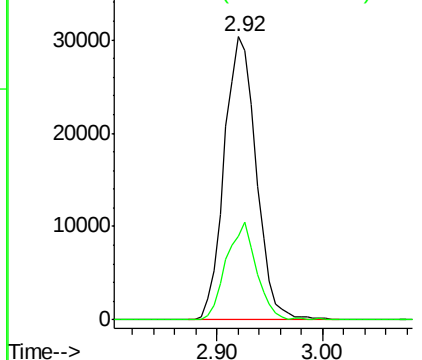
64 100

66 29.7 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

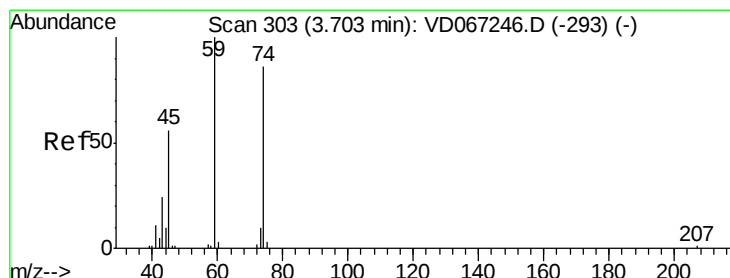
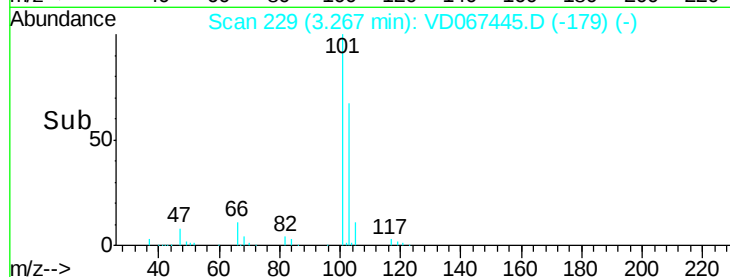
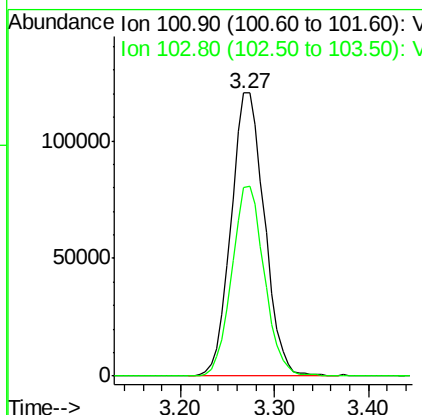
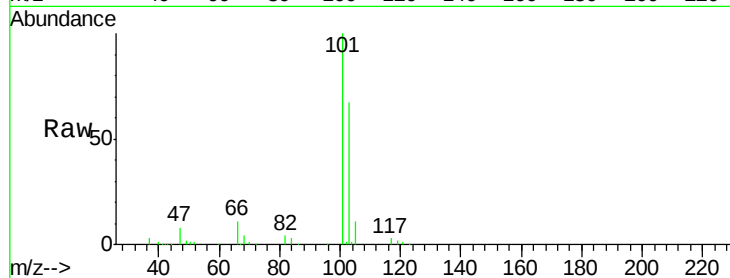
Trichlorofluoromethane
 Concen: 51.051 ug/l
 RT: 3.27 min Scan# 229
 Delta R.T. -0.01 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	297329		
103	66.7	53.1	79.7	

Manual Integrations
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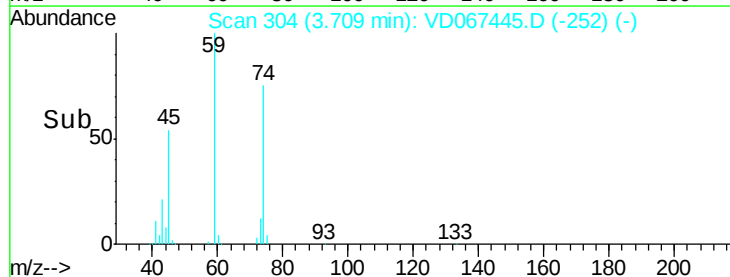
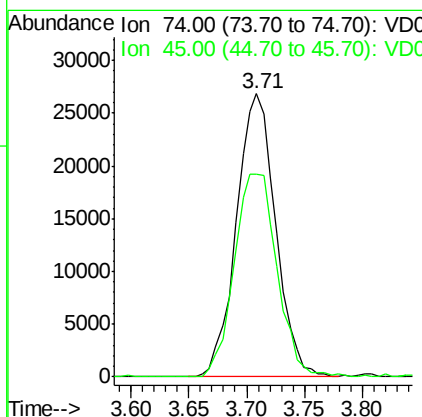
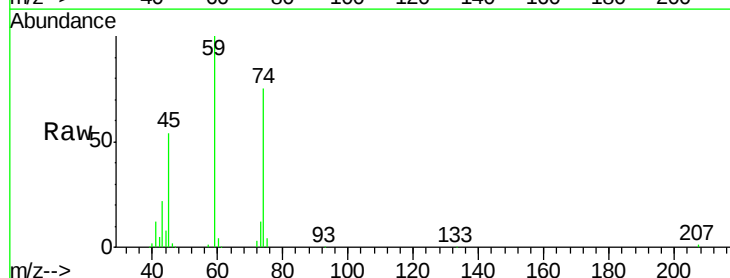
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 10/30/2020 1:34:51 PM

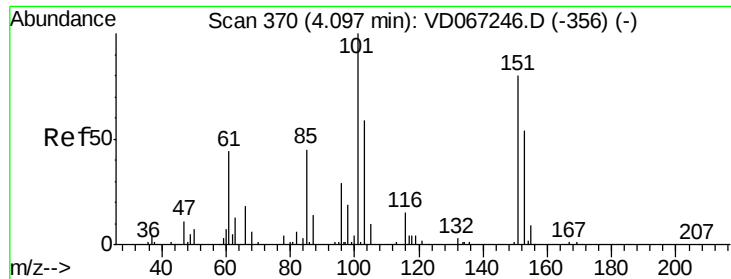


#8

Diethyl Ether
 Concen: 47.440 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. 0.01 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	63224		
45	78.3	37.0	111.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.970 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

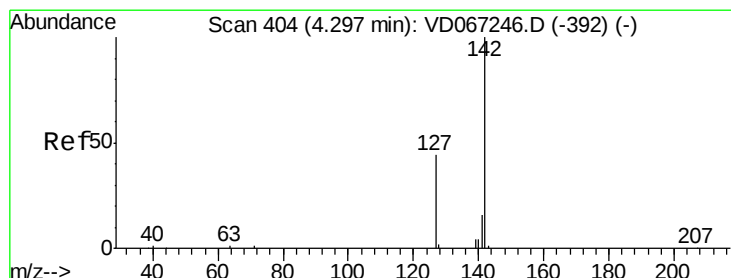
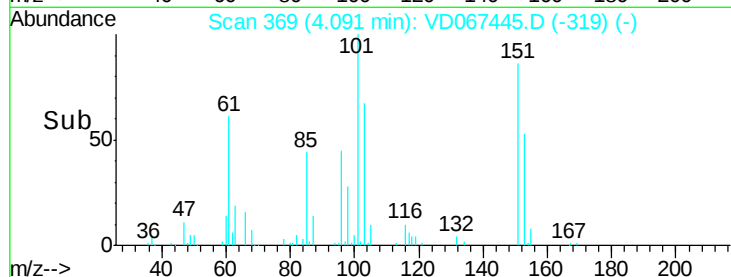
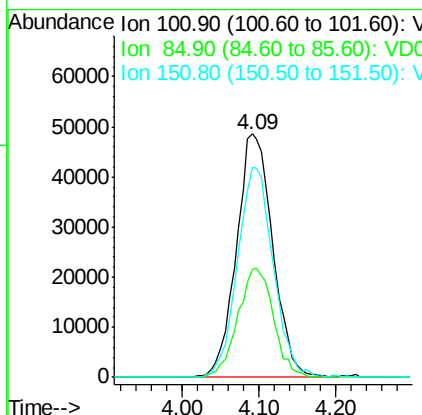
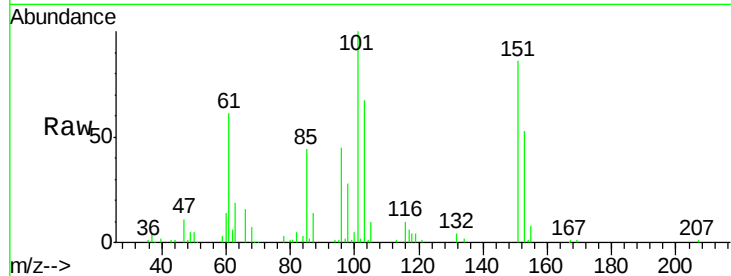
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	160813
Ion Ratio	Lower	Upper	
101	100		
85	43.7	34.2	51.4
151	84.8	66.3	99.5

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#10

Methyl Iodide

Concen: 53.805 ug/l

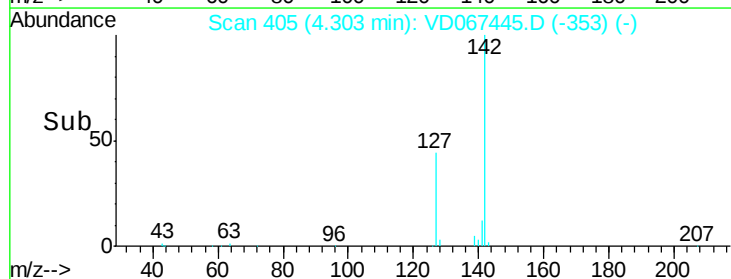
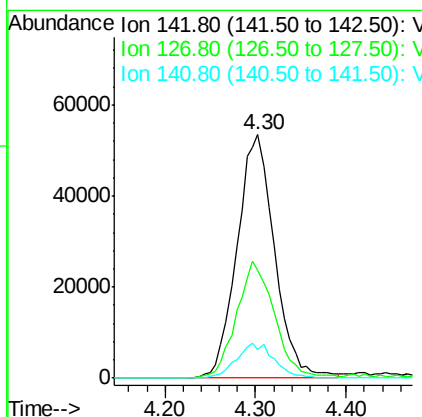
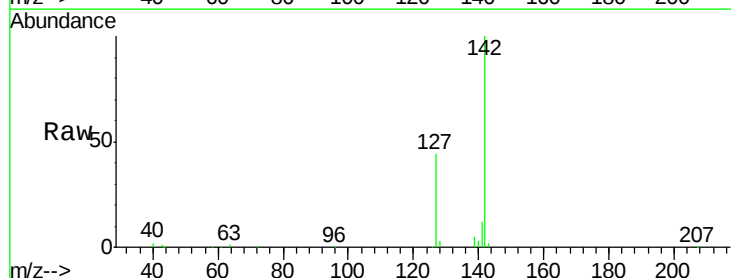
RT: 4.30 min Scan# 405

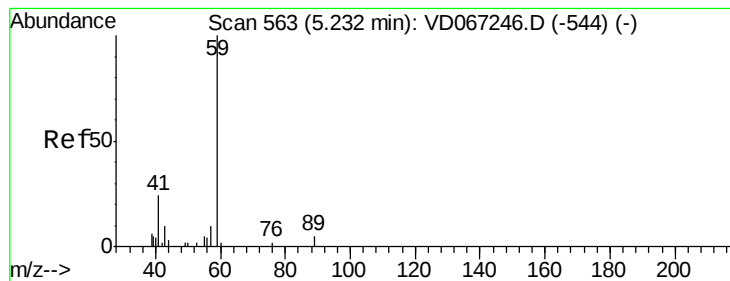
Delta R.T. 0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion:	142	Resp:	153582
Ion Ratio	Lower	Upper	
142	100		
127	48.6	38.4	57.6
141	14.5	11.6	17.4





#11

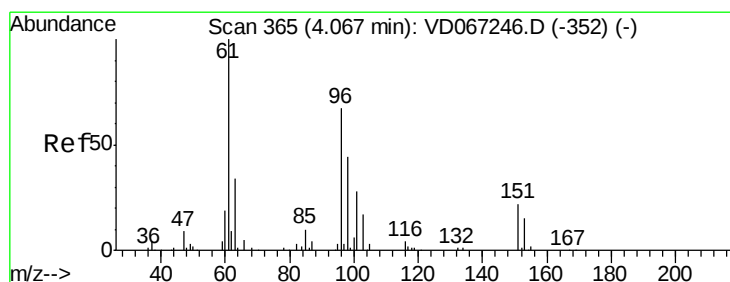
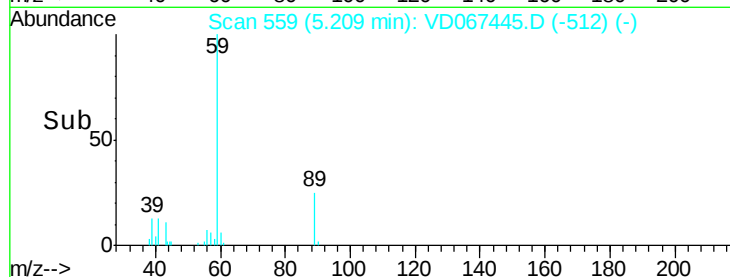
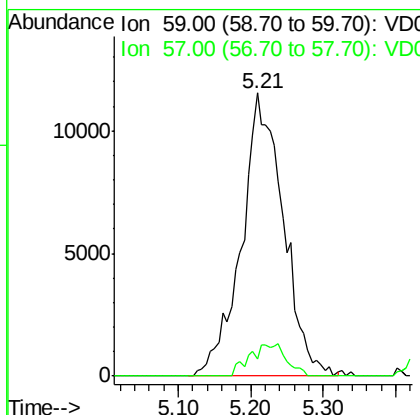
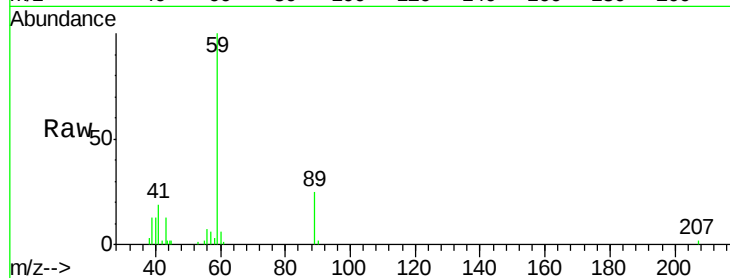
Tert butyl alcohol
 Concen: 269.237 ug/l
 RT: 5.21 min Scan# 559
 Delta R.T. -0.02 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 46360
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.1 7.7#

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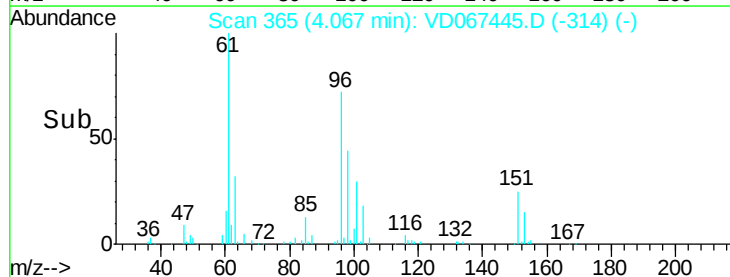
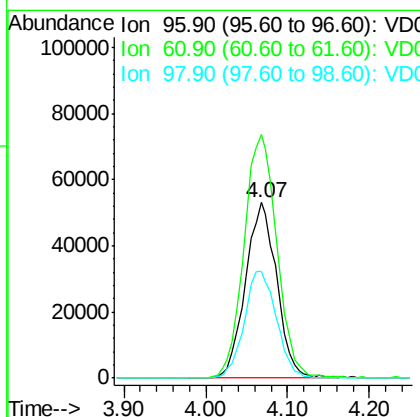
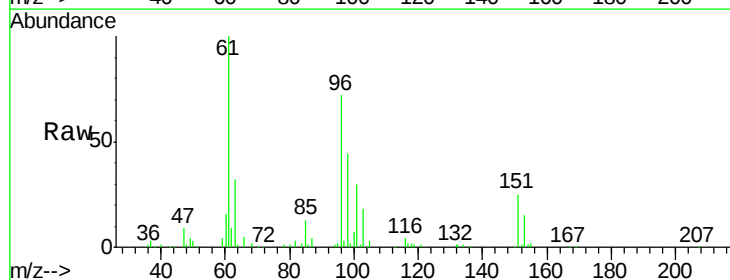
MMDadoda
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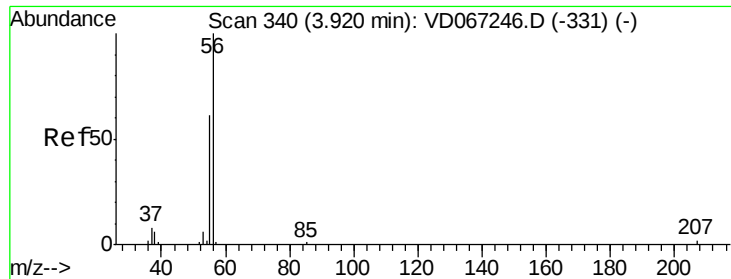


#12

1,1-Dichloroethene
 Concen: 50.985 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion: 96 Resp: 140943
 Ion Ratio Lower Upper
 96 100
 61 138.8 118.6 177.8
 98 60.9 51.8 77.6





#13

Acrolein

Concen: 207.844 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 40882

Ion Ratio Lower Upper

56 100

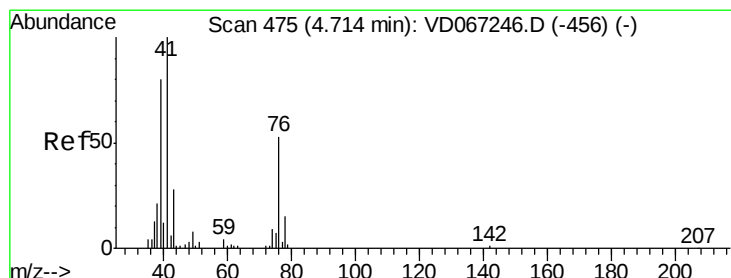
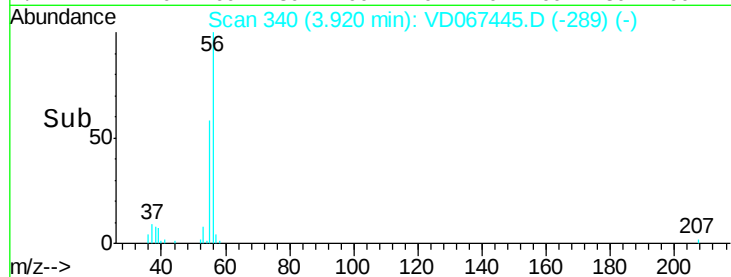
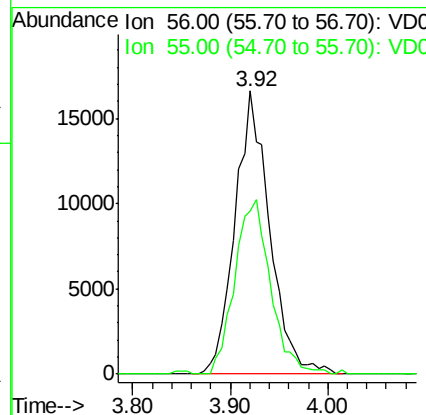
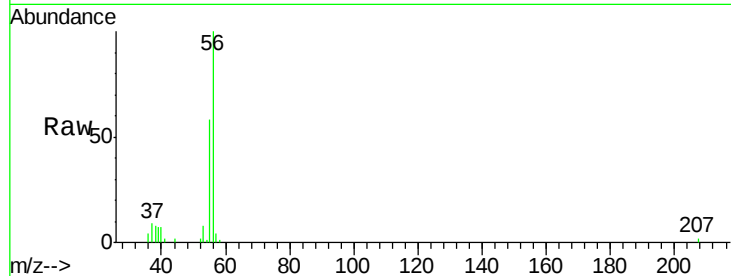
55 63.5 56.0 84.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.885 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

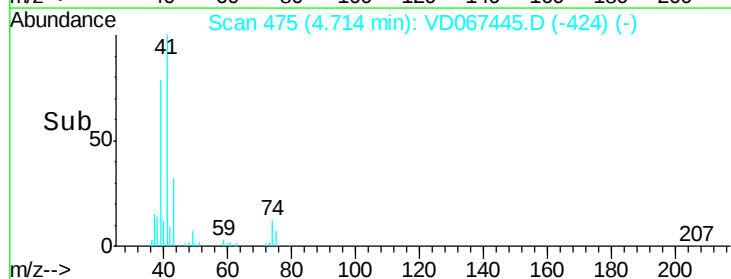
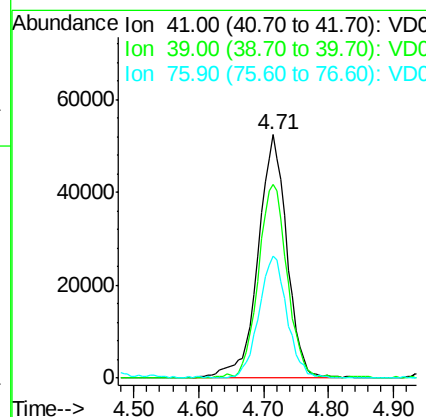
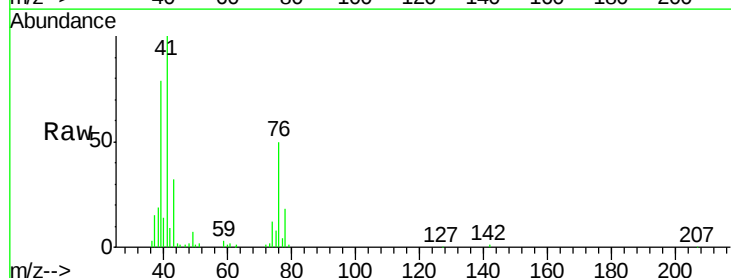
Tgt Ion: 41 Resp: 161089

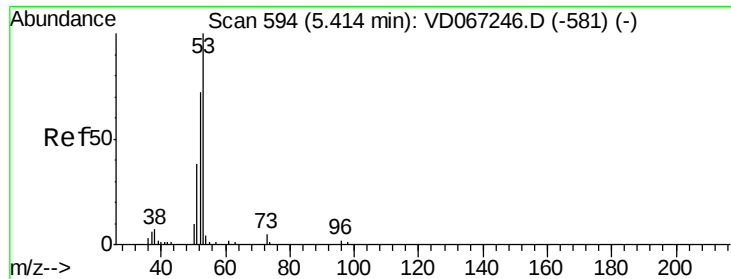
Ion Ratio Lower Upper

41 100

39 79.5 63.8 95.6

76 48.7 40.4 60.6





#15

Acrylonitrile

Concen: 267.362 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

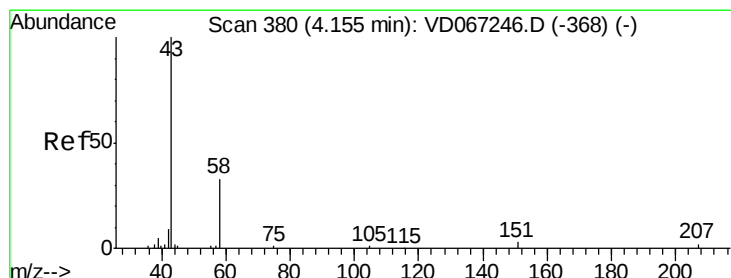
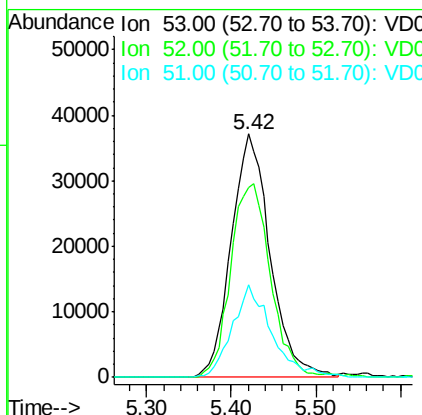
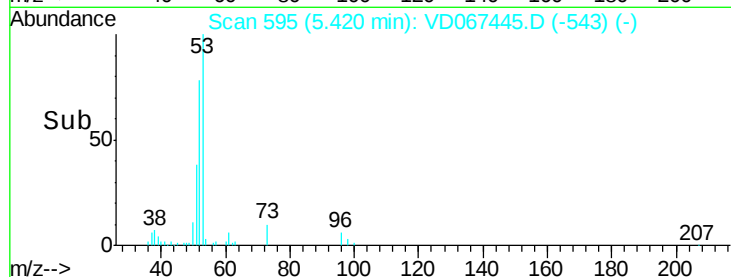
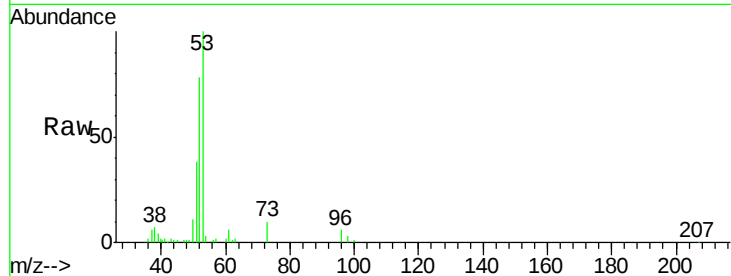
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	118893
Ion	Ratio	Lower	Upper
53	100		
52	80.6	65.6	98.4
51	38.3	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 305.739 ug/l

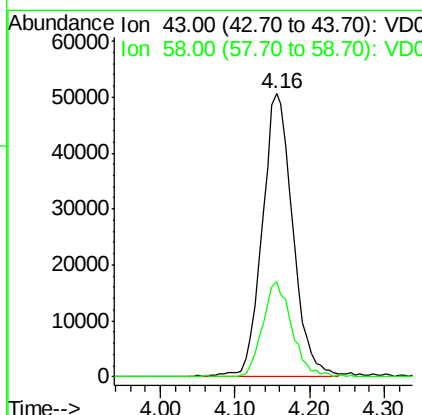
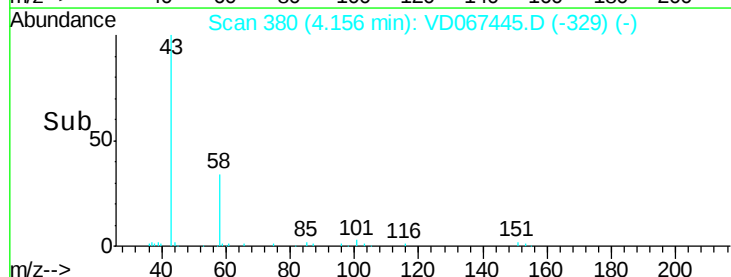
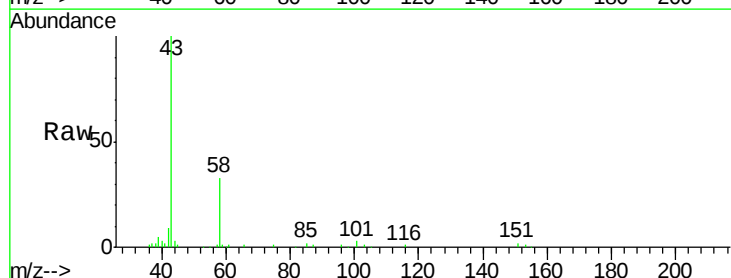
RT: 4.16 min Scan# 380

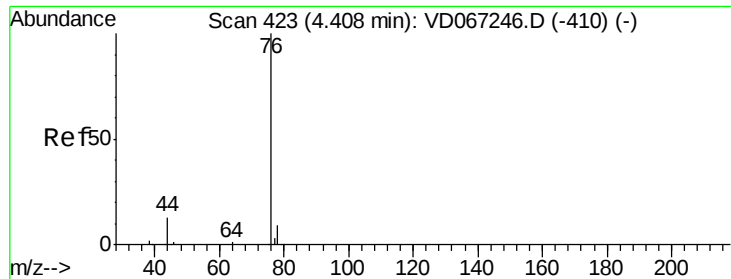
Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion:	43	Resp:	143686
Ion	Ratio	Lower	Upper
43	100		
58	33.5	26.1	39.1





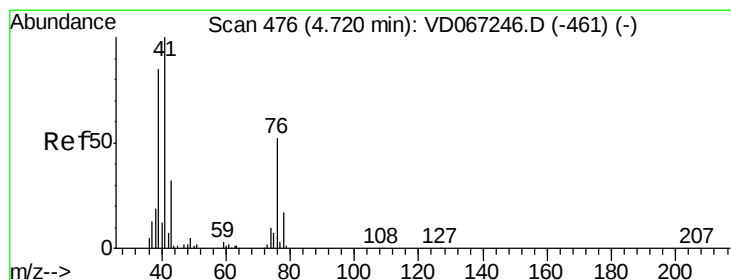
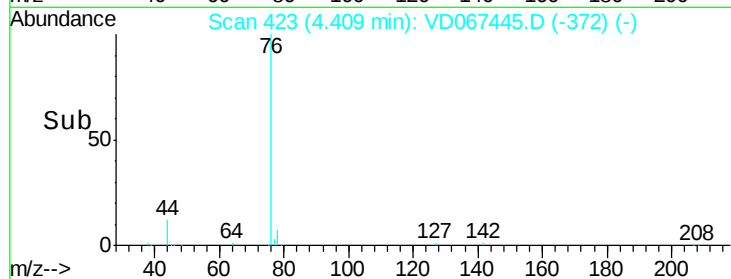
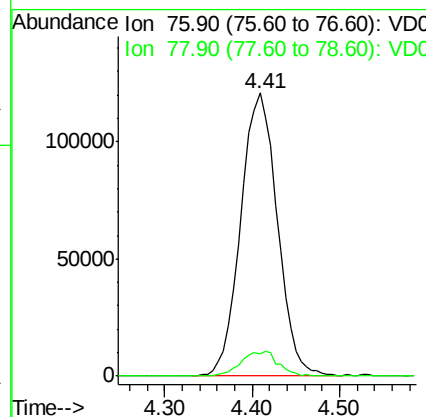
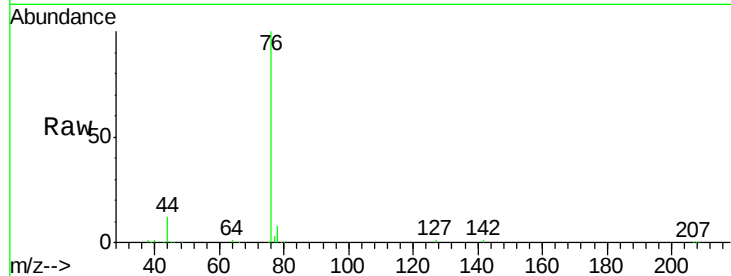
#17
Carbon Disulfide
Concen: 43.599 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.1	7.4	11.0

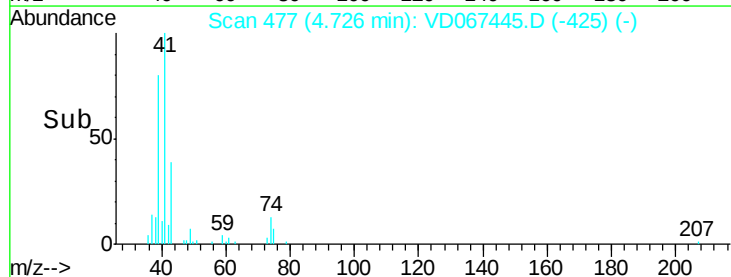
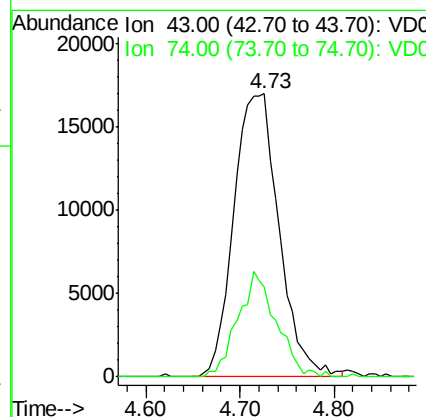
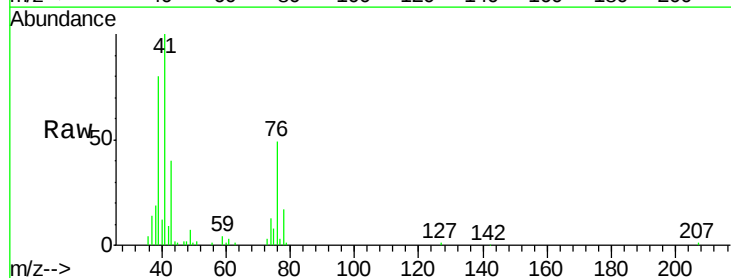
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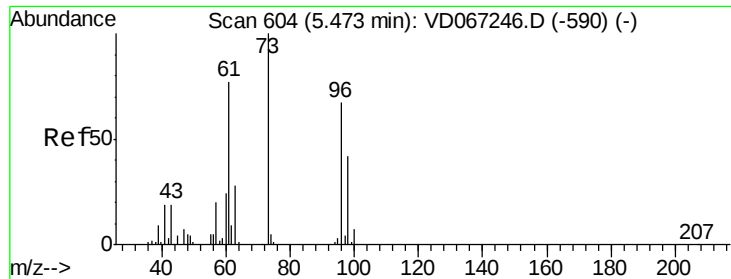
MMDadoda
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#18
Methyl Acetate
Concen: 52.999 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
43	100		
74	31.5	26.6	39.8





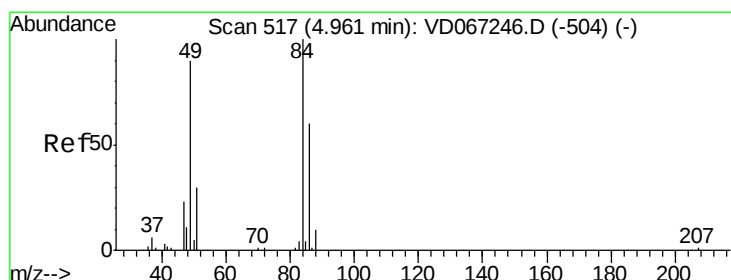
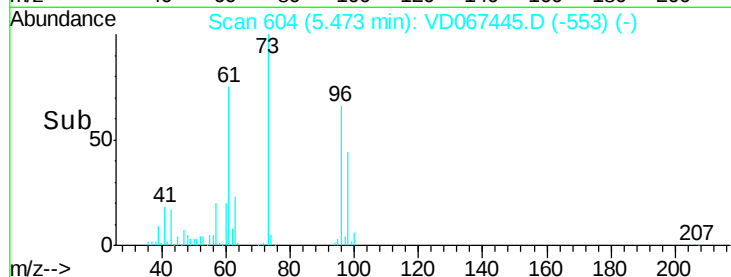
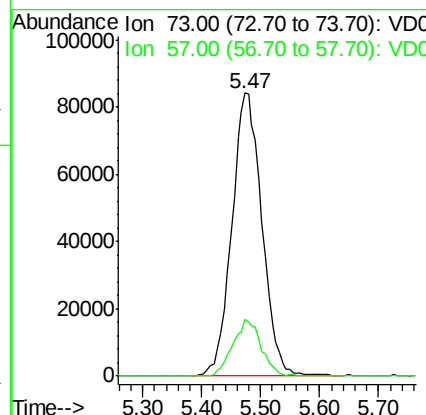
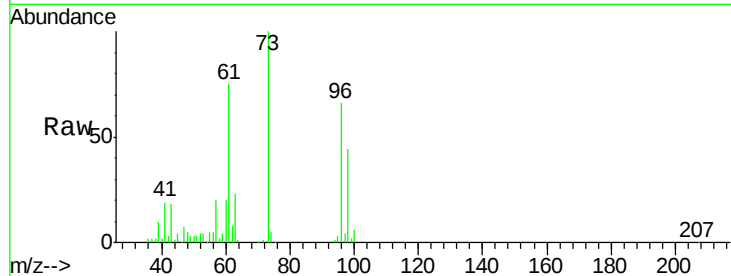
#19
Methyl tert-butyl Ether
Concen: 54.385 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 298940
Ion Ratio Lower Upper
73 100
57 20.0 15.7 23.5

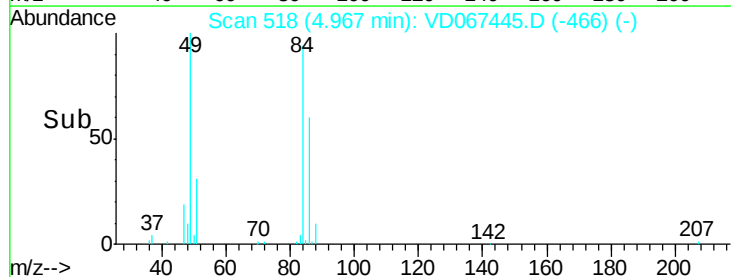
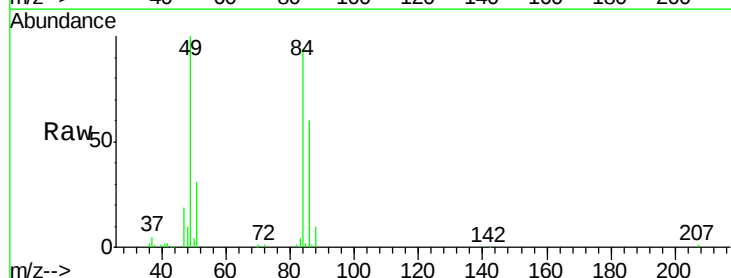
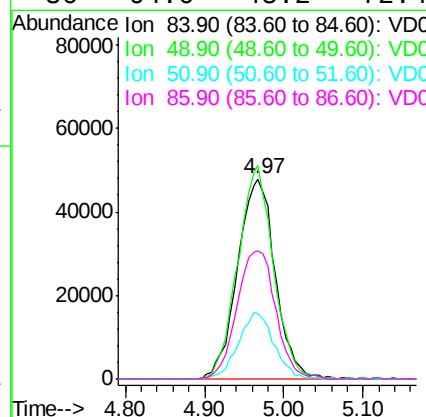
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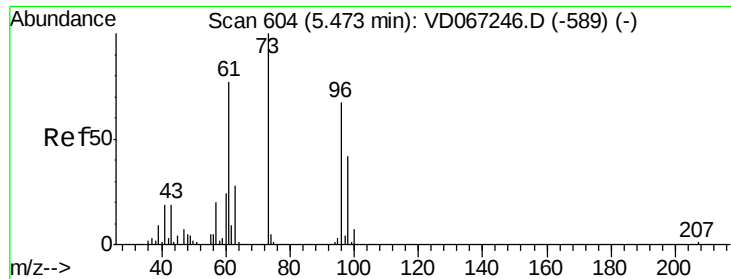
MMDadoda
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#20
Methylene Chloride
Concen: 52.677 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 84 Resp: 157853
Ion Ratio Lower Upper
84 100
49 106.9 72.2 108.2
51 32.8 23.8 35.8
86 64.0 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 51.520 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

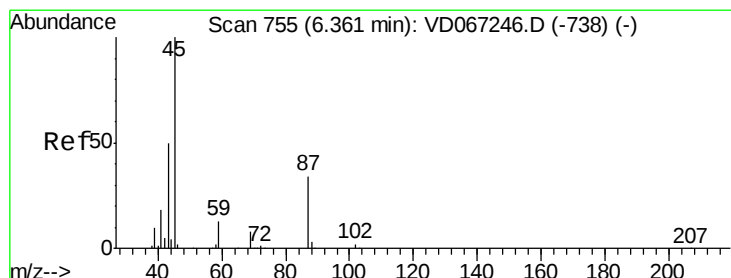
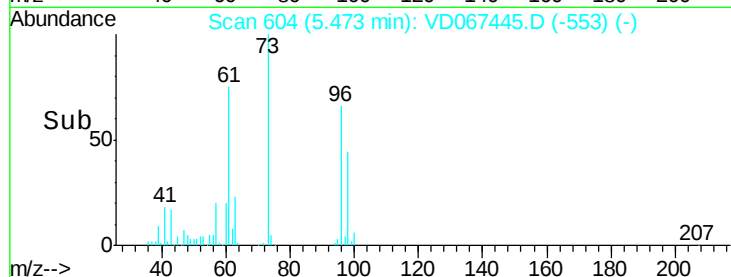
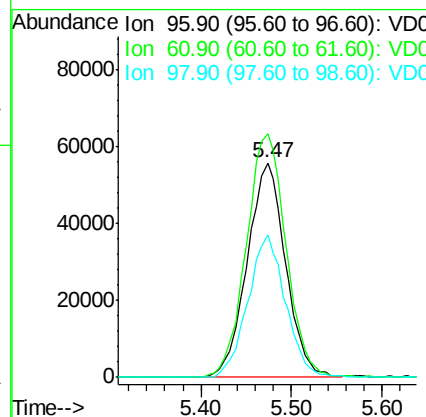
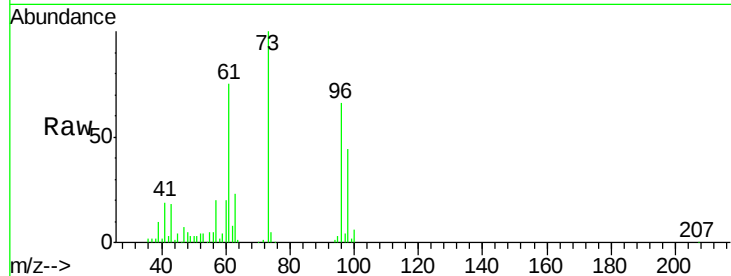
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	163896
Ion	Ratio	Lower	Upper
96	100		
61	113.6	92.0	138.0
98	66.7	49.8	74.8

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#22

Diisopropyl ether

Concen: 53.838 ug/l

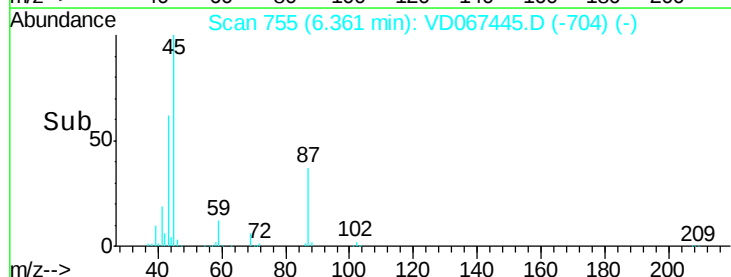
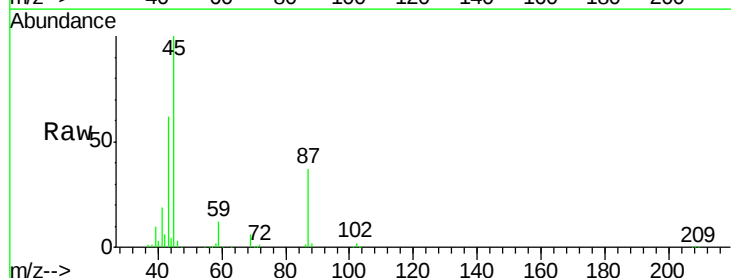
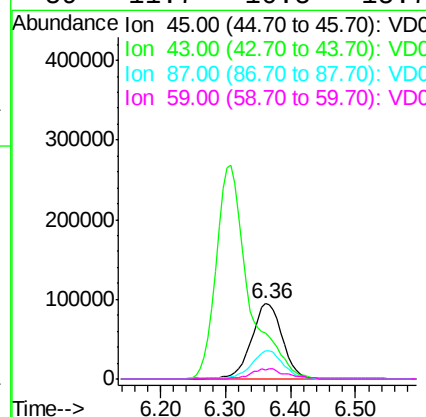
RT: 6.36 min Scan# 755

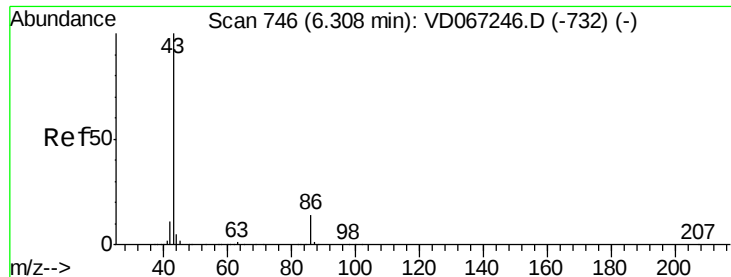
Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion:	45	Resp:	311348
Ion	Ratio	Lower	Upper
45	100		
43	60.4	48.0	72.0
87	36.8	28.5	42.7
59	11.7	10.5	15.7





#23

Vinyl Acetate

Concen: 280.808 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 923886

Ion Ratio Lower Upper

43 100

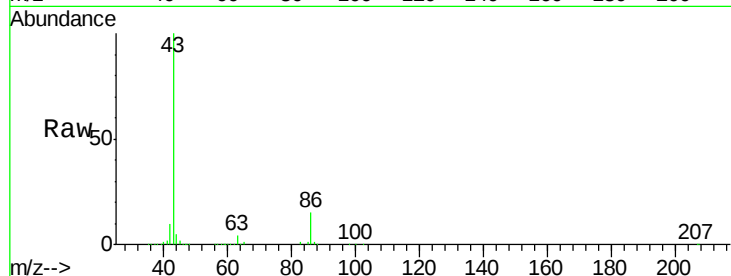
86 14.9 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

300000

250000

200000

150000

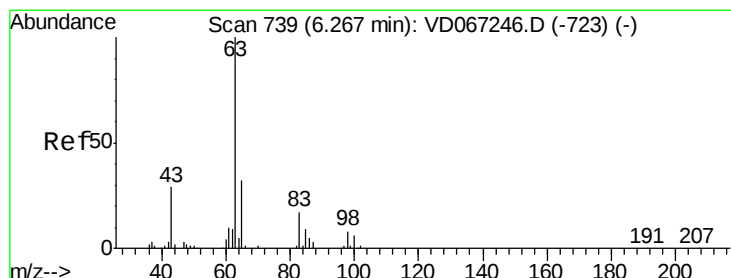
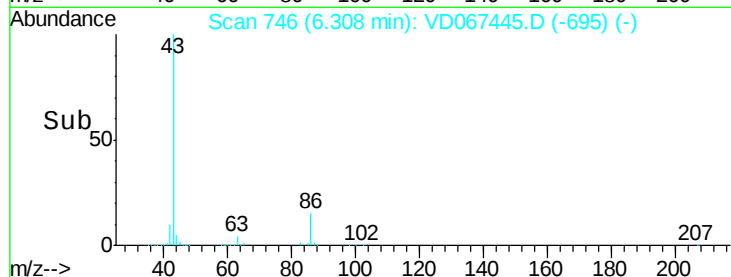
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 51.776 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

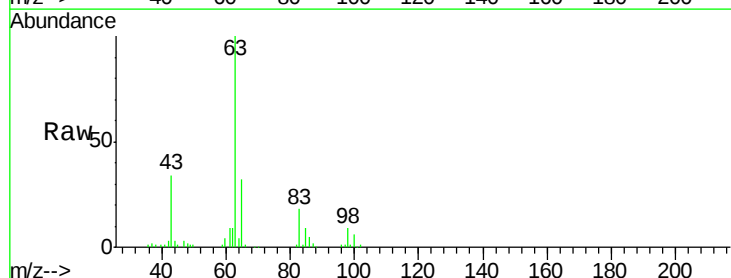
Tgt Ion: 63 Resp: 256308

Ion Ratio Lower Upper

63 100

98 9.2 4.0 12.2

100 5.7 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

100000

80000

60000

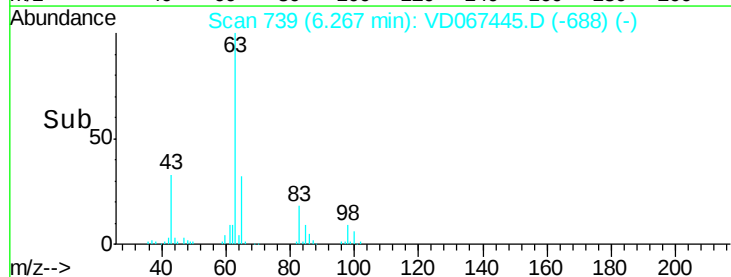
40000

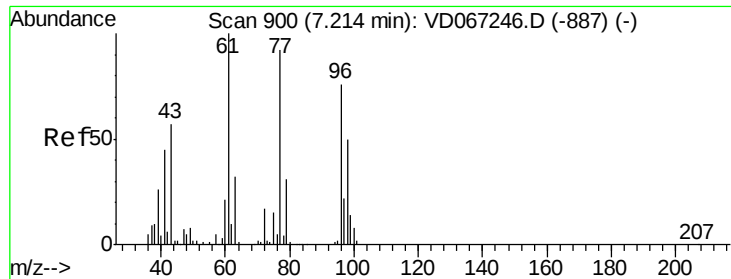
20000

0

6.10 6.20 6.30 6.40

Time-->





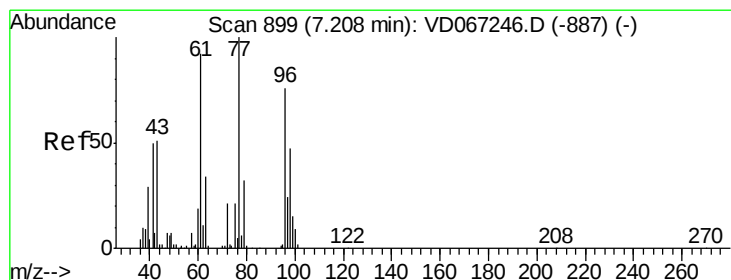
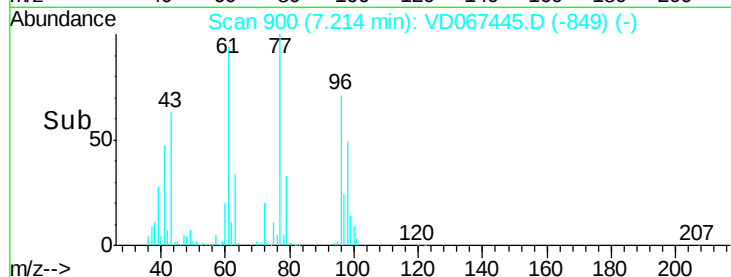
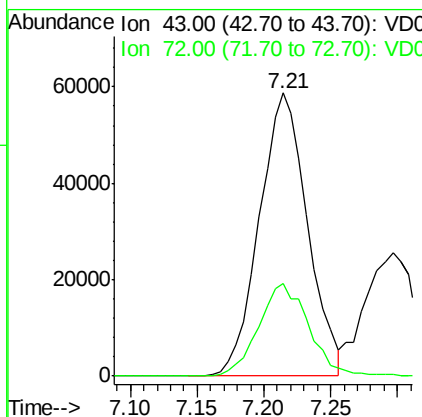
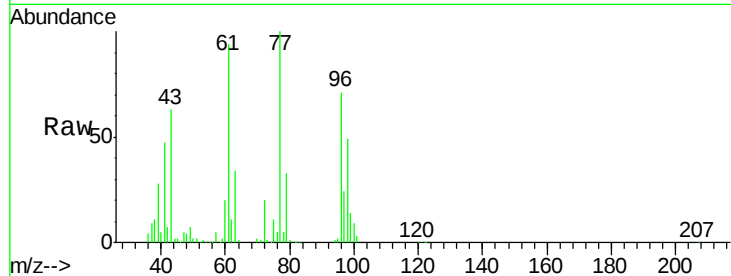
#25
2-Butanone
Concen: 274.292 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 146941
Ion Ratio Lower Upper
43 100
72 32.5 23.7 35.5

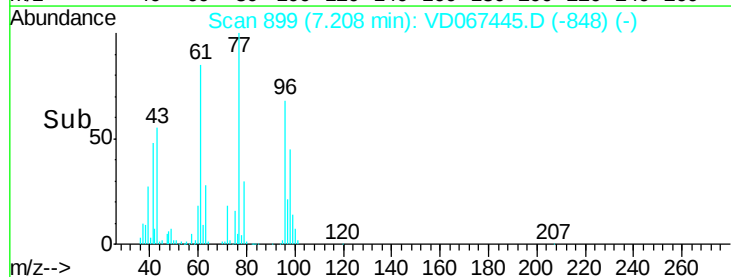
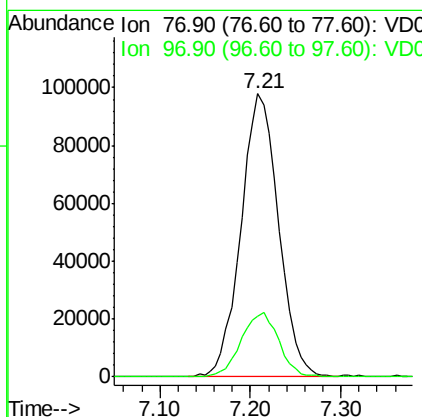
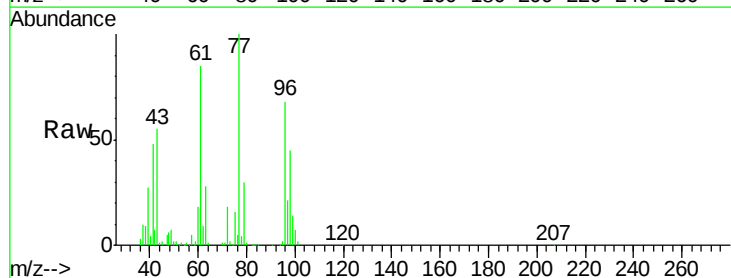
Manual Integrations
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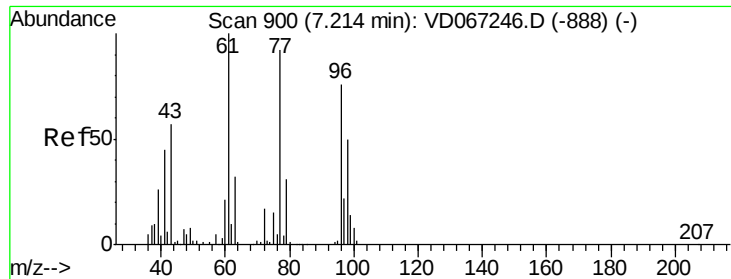
MMDadoda
10/30/2020 1:34:51 PM



#26
2,2-Dichloropropane
Concen: 55.120 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 77 Resp: 281249
Ion Ratio Lower Upper
77 100
97 23.0 11.4 34.2





#27

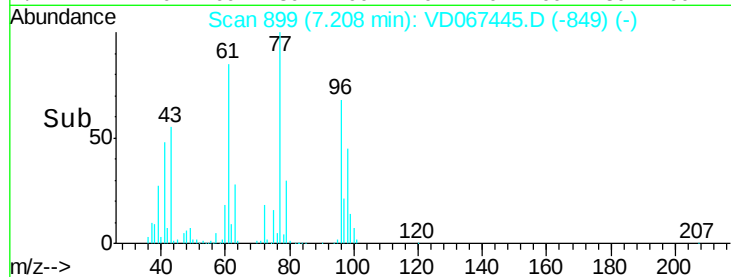
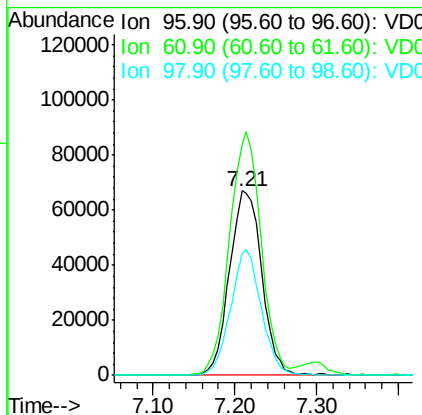
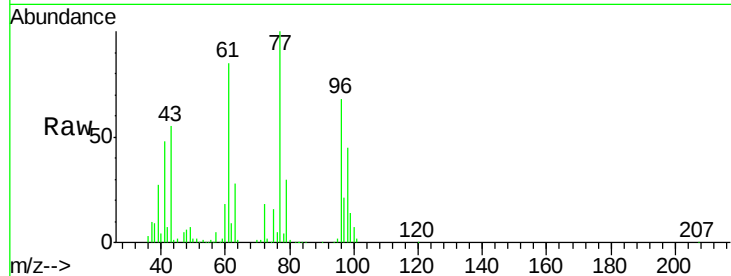
cis-1,2-Dichloroethene
Concen: 52.984 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	184727		
61	128.8	0.0	255.4	
98	64.7	0.0	128.0	

Manual Integrations
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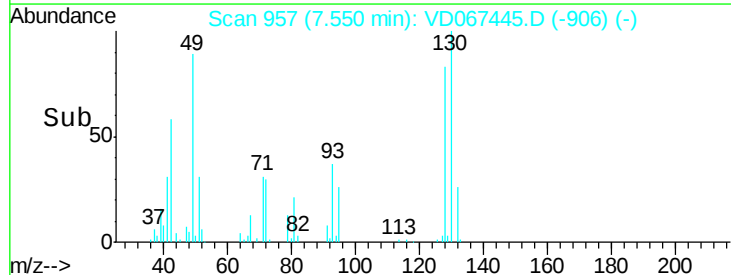
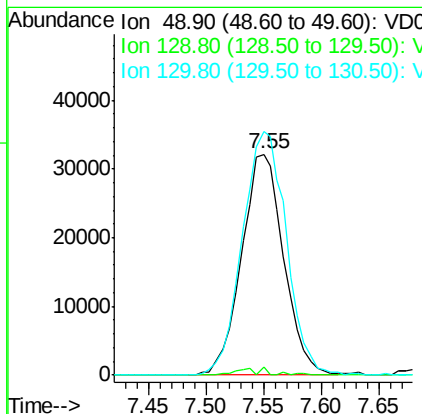
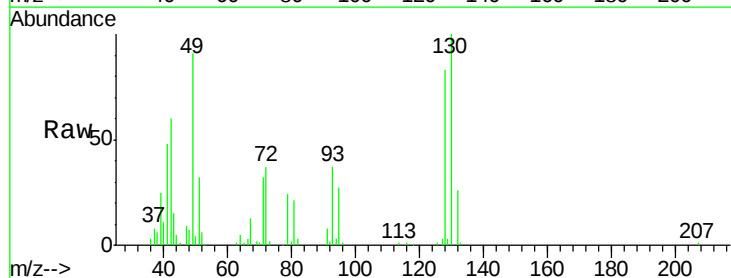
MMDadoda
10/30/2020 1:34:51 PM

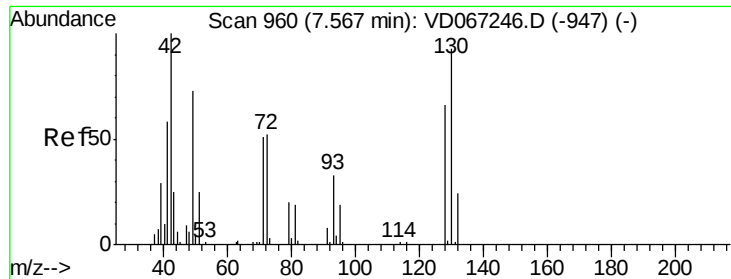


#28

Bromochloromethane
Concen: 48.237 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	81448		
129	1.1	0.0	1.6	
130	115.3	91.0	136.6	





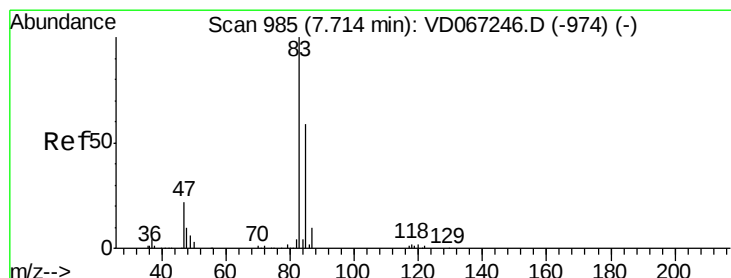
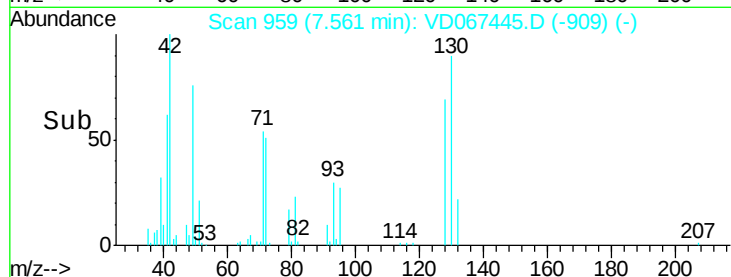
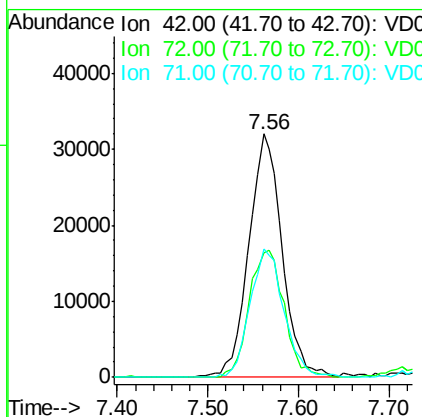
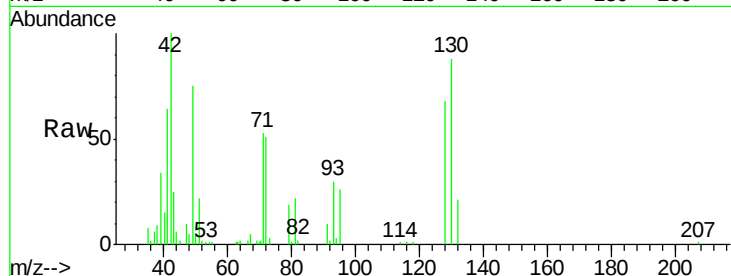
#29
Tetrahydrofuran
Concen: 274.891 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.0	43.2	64.8
71	54.0	39.4	59.0

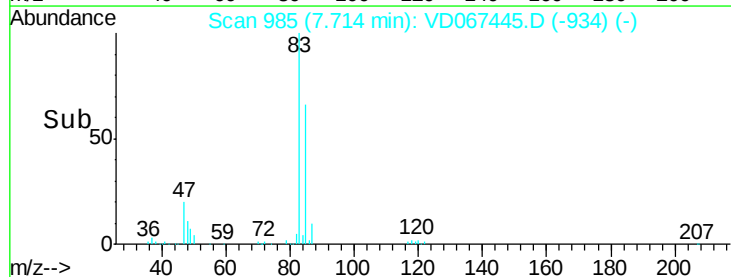
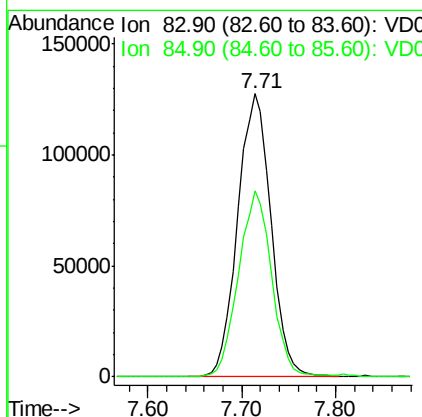
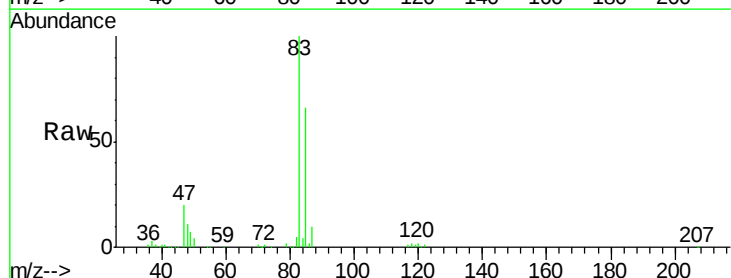
Manual Integrations
APPROVED

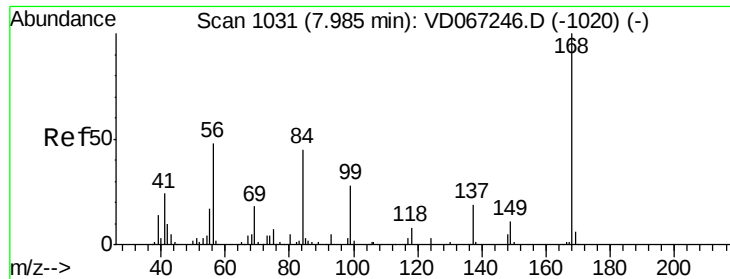
MMDadoda
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#30
Chloroform
Concen: 52.961 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.7	47.3	70.9





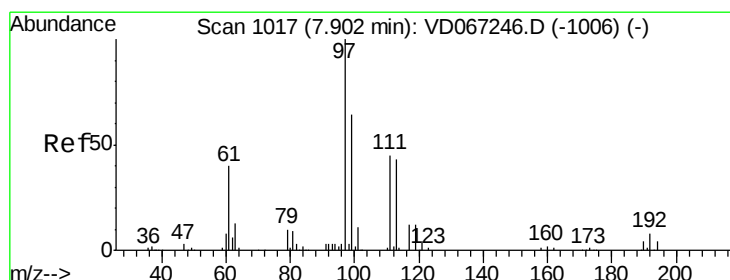
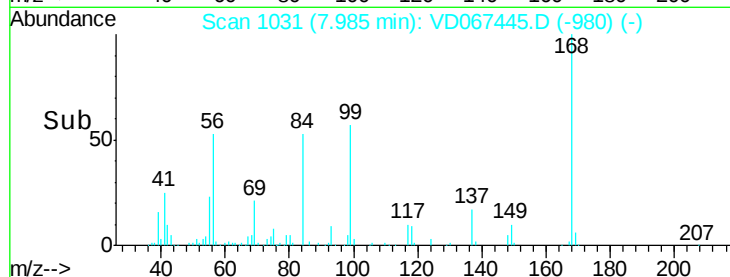
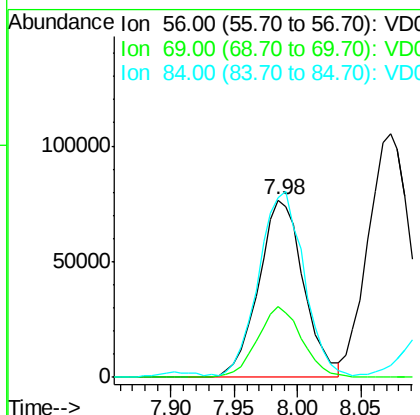
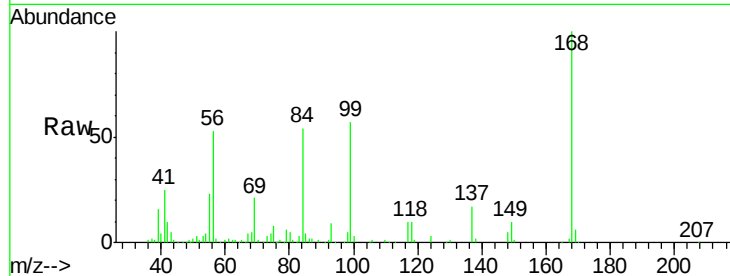
#31
Cyclohexane
Concen: 48.988 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	39.8	29.8	44.6
84	99.4	76.6	114.8

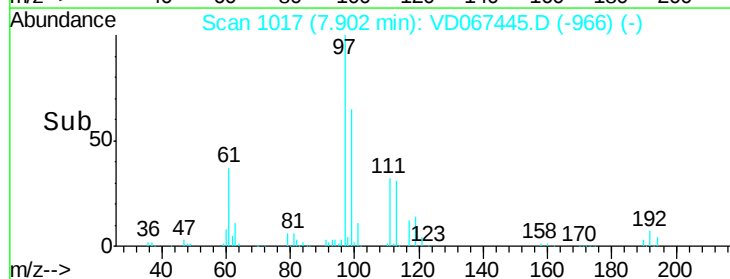
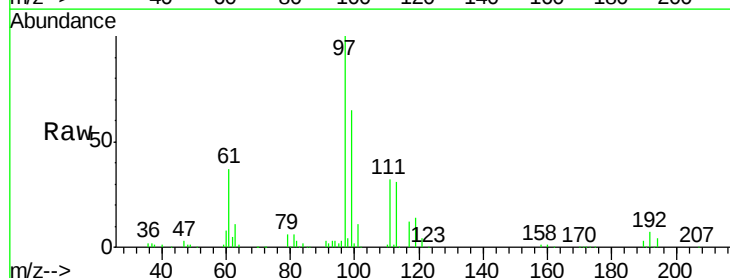
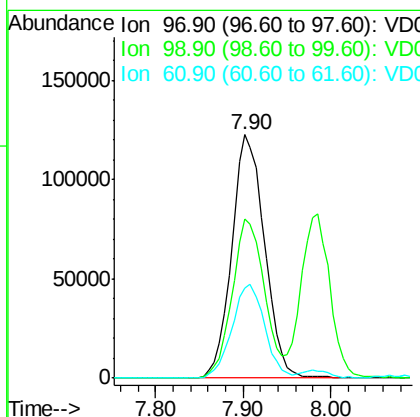
Manual Integrations
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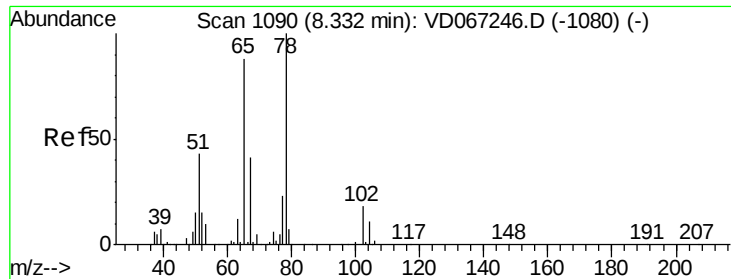
MMDadoda
10/30/2020 1:34:51 PM



#32
1,1,1-Trichloroethane
Concen: 53.572 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.2	75.4
61	38.4	30.5	45.7





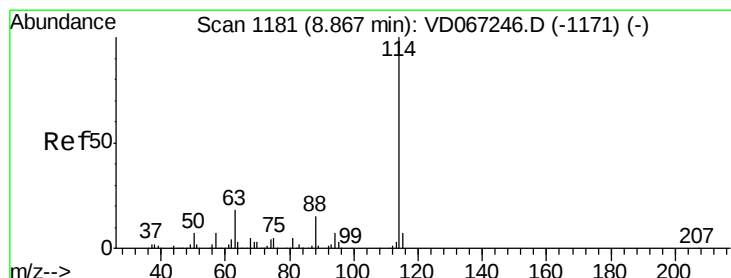
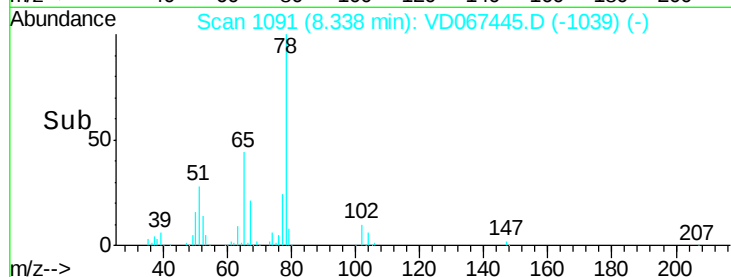
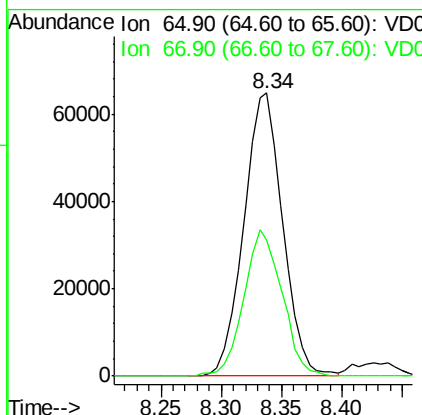
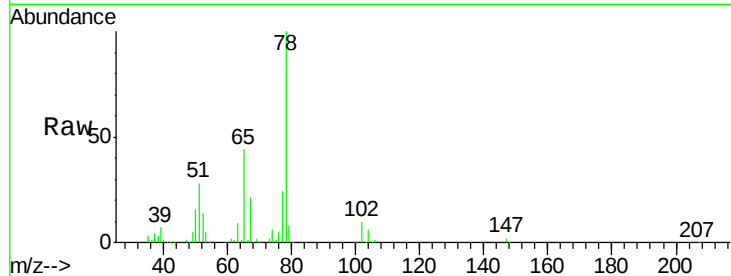
#33
 1,2-Dichloroethane-d4
 Concen: 43.371 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.01 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	50.9	0.0	103.8	

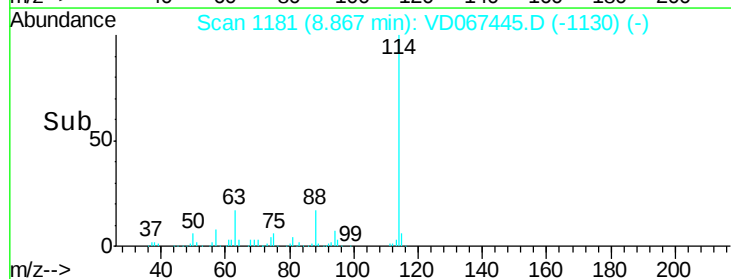
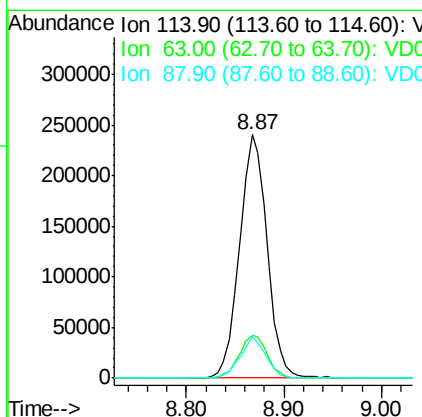
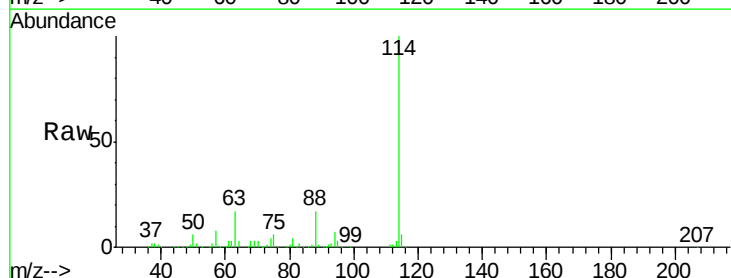
Manual Integrations
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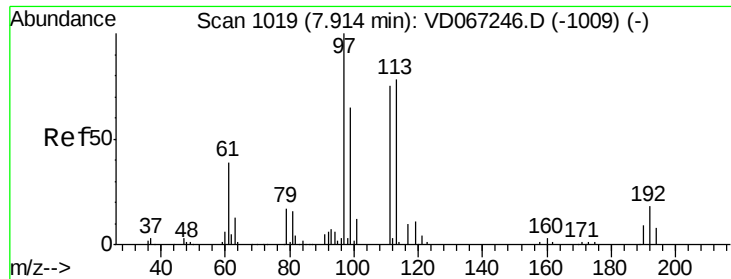
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	17.3	0.0	35.0	
88	17.0	0.0	30.6	





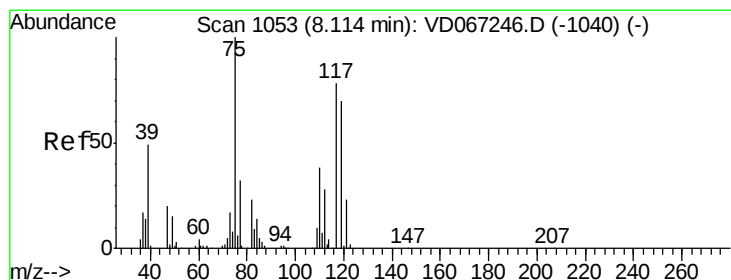
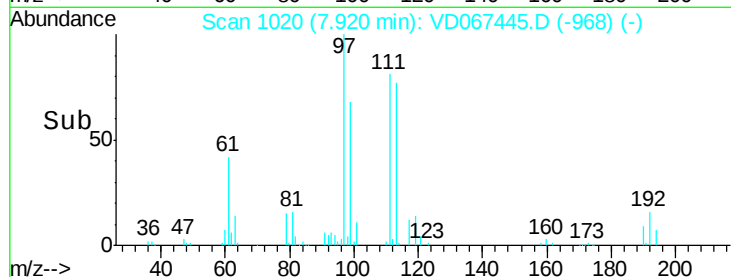
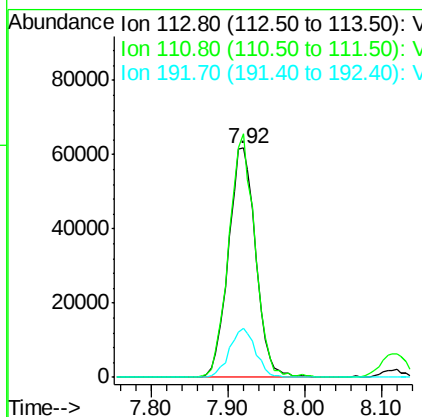
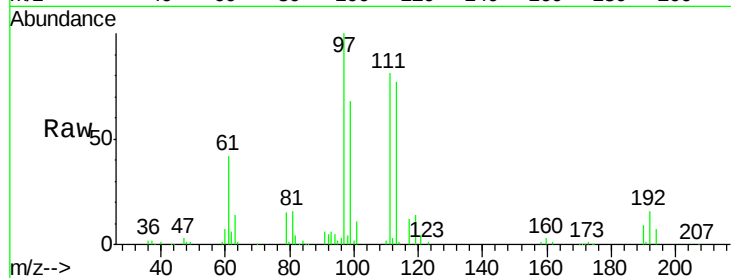
#35
 Dibromofluoromethane
 Concen: 48.690 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.01 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	153417		
111	101.5	81.6	122.4	
192	20.4	17.0	25.4	

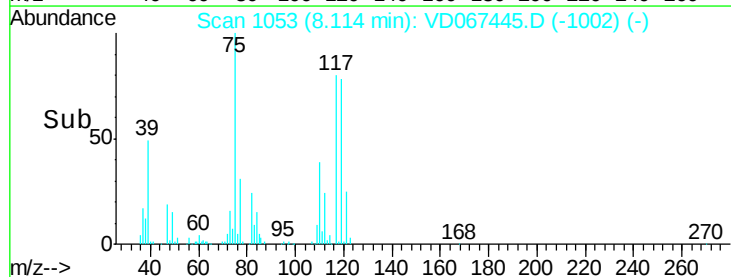
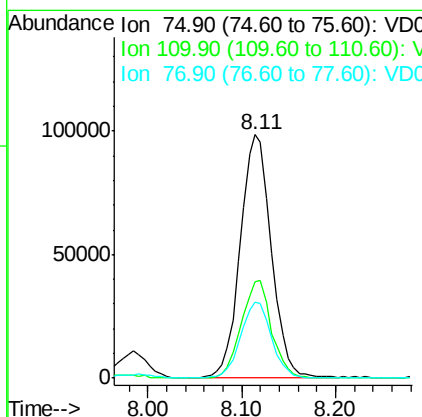
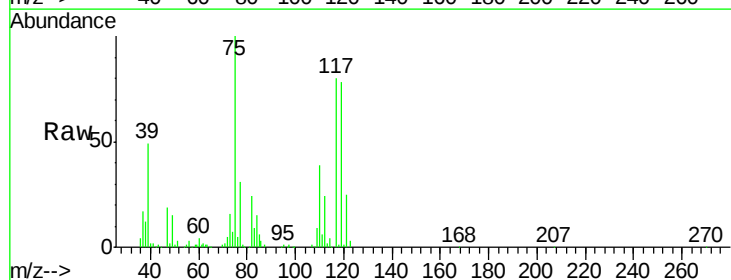
Manual Integrations
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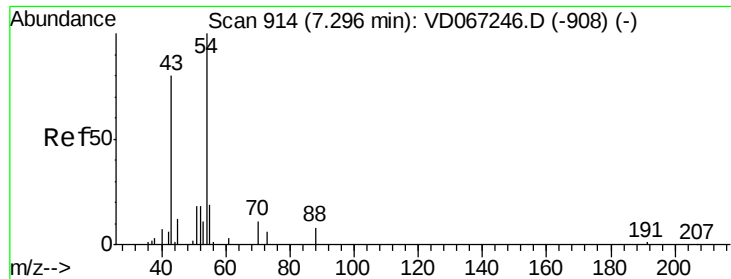
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#36
 1,1-Dichloropropene
 Concen: 56.240 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	225685		
110	38.8	19.6	58.7	
77	31.2	24.6	37.0	





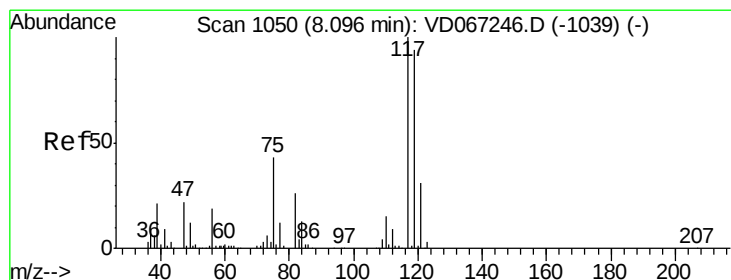
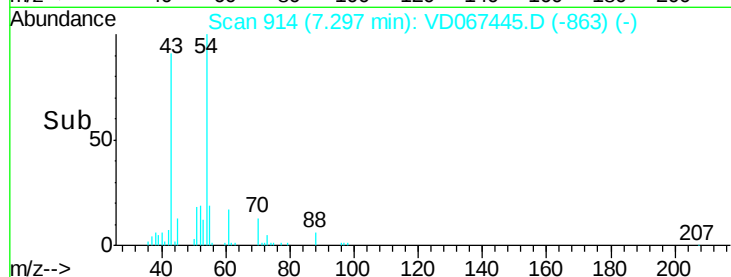
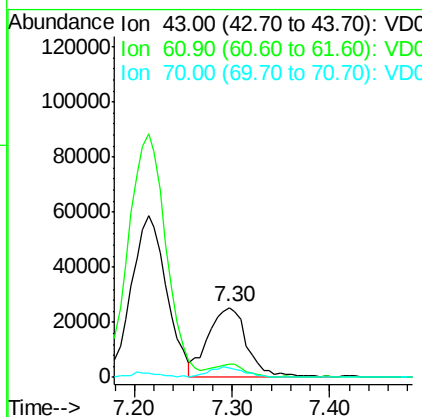
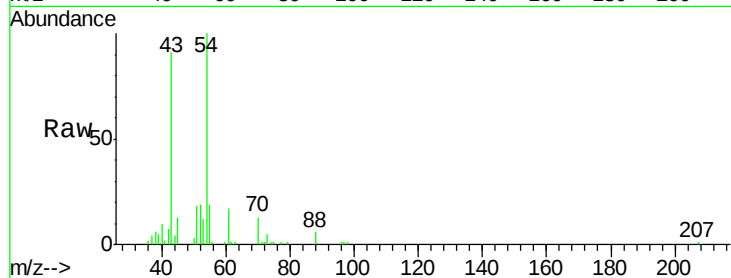
#37
Ethyl Acetate
Concen: 58.368 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.3	15.6	23.4#
70	13.2	10.4	15.6

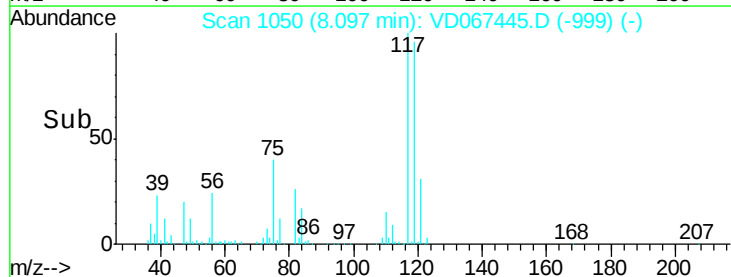
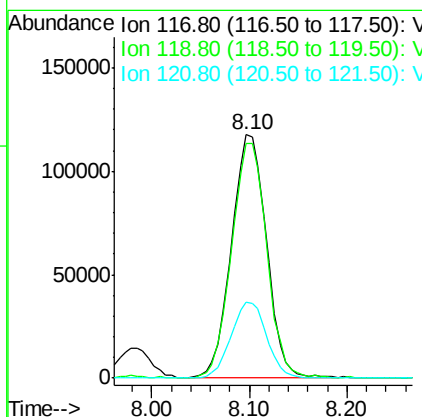
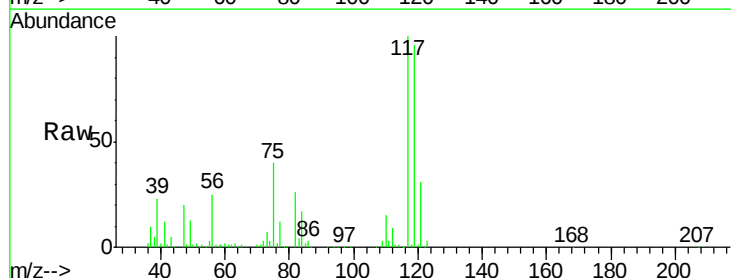
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 57.141 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.3	75.0	112.4
121	31.0	24.9	37.3





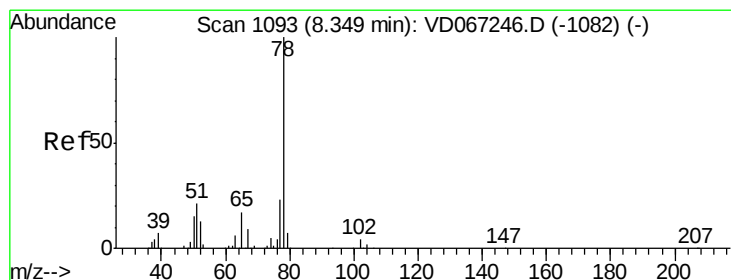
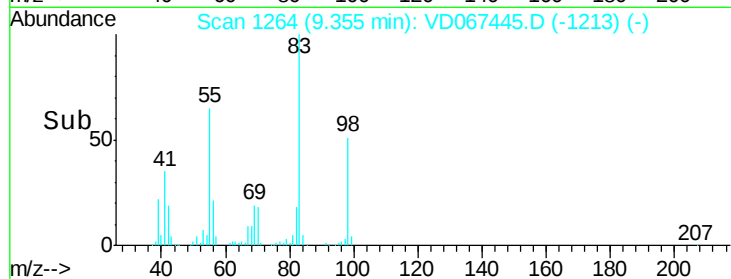
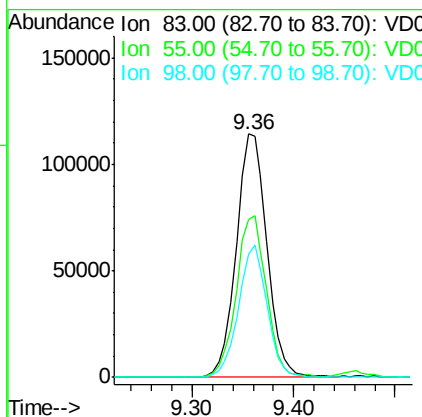
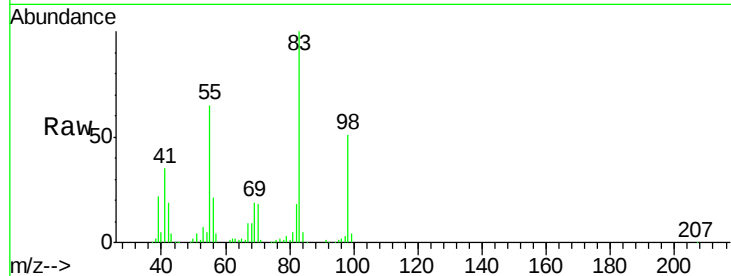
#39
Methvlcvclohexane
Concen: 57.273 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	65.0	53.3	79.9
98	50.5	41.0	61.4

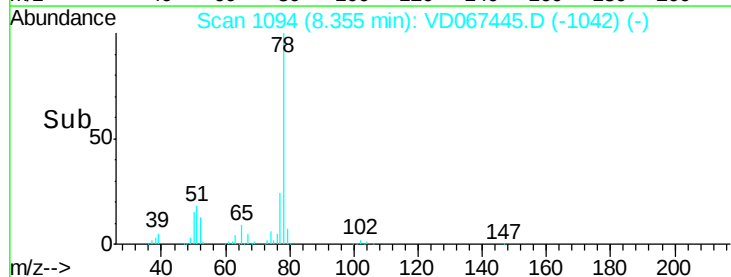
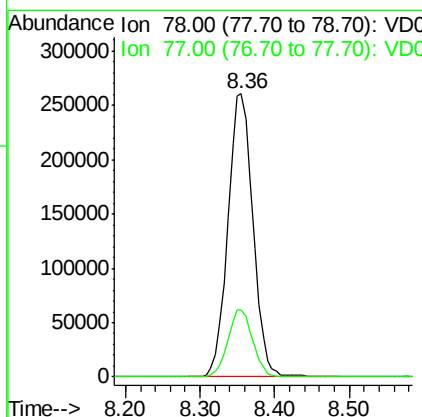
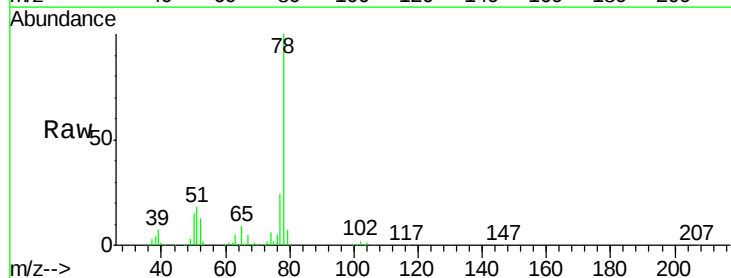
Manual Integrations
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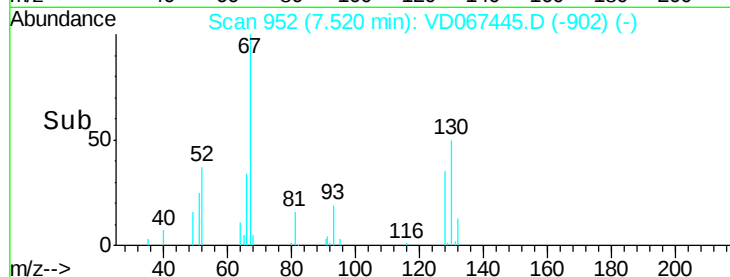
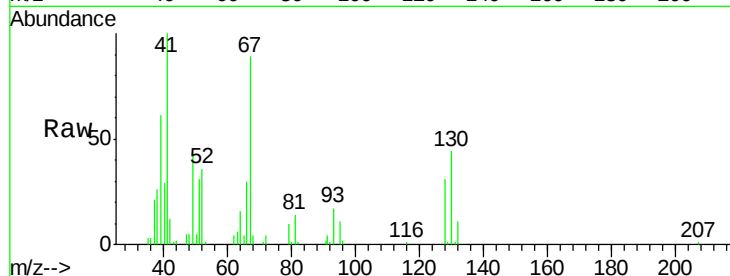
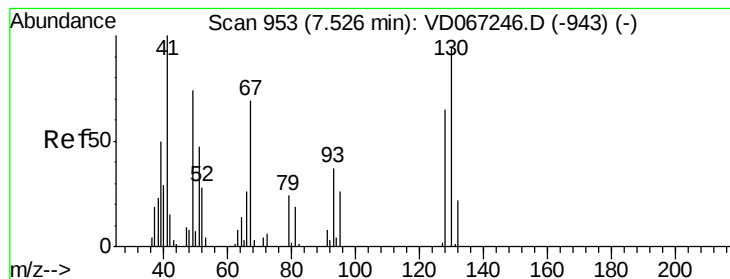
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#40
Benzene
Concen: 55.290 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.3	27.5





#41

Methacrylonitrile

Concen: 40.733 ug/l

RT: 7.52 min Scan# 952

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tot Ion: 41 Resp: 25988

Ion Ratio Lower Upper

41 100

39 109.1 60.0 90.0#

67 137.0 88.9 133.3#

52 56.6 36.9 55.3#

Instrument :

MSVOA_D

ClientSampleId :

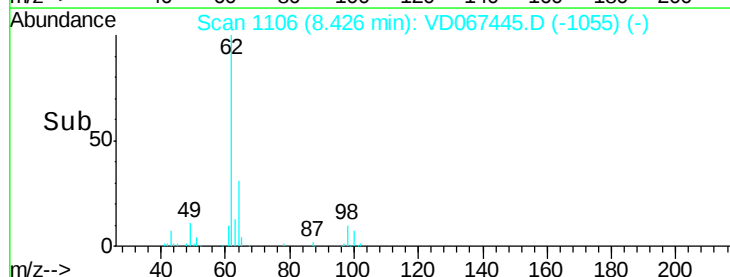
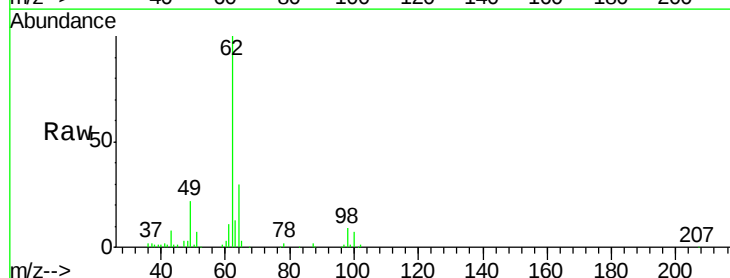
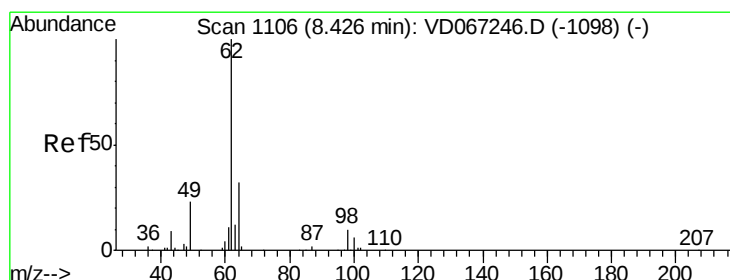
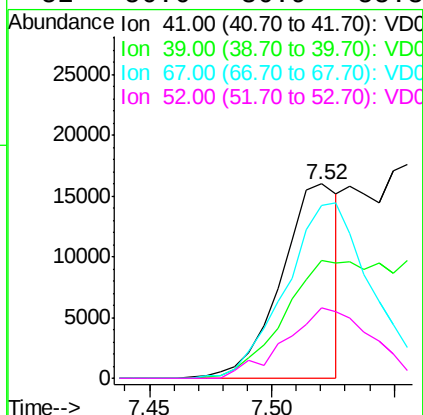
VSTDCCC050

Manual Integrations

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10/30/2020 1:34:51 PM



#42

1,2-Dichloroethane

Concen: 54.978 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. 0.00 min

Lab File: VD067445.D

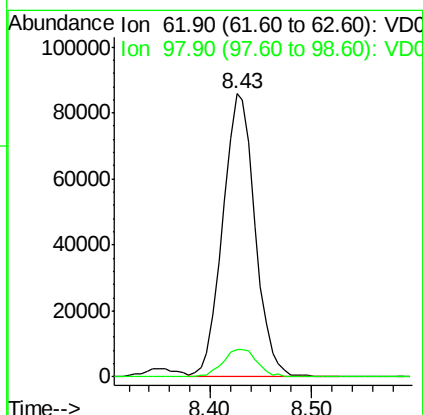
Acq: 29 Oct 2020 11:35

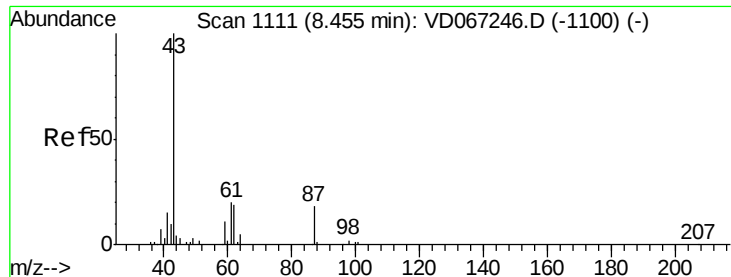
Tgt Ion: 62 Resp: 189410

Ion Ratio Lower Upper

62 100

98 10.4 0.0 19.4





#43

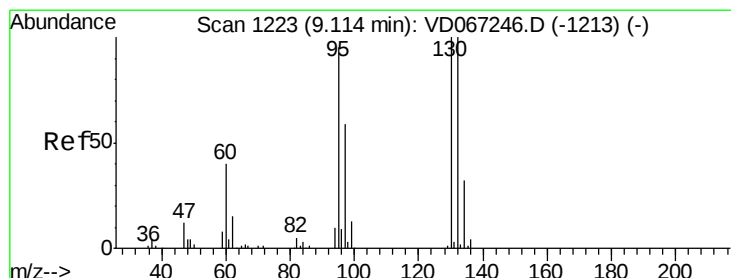
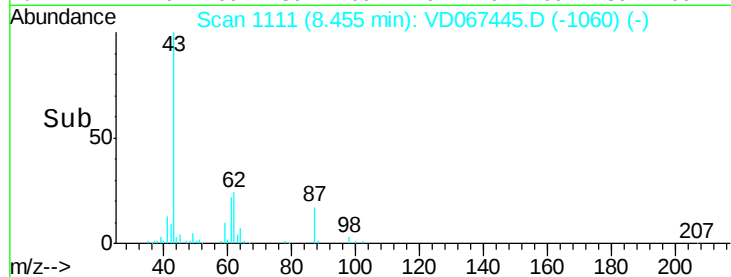
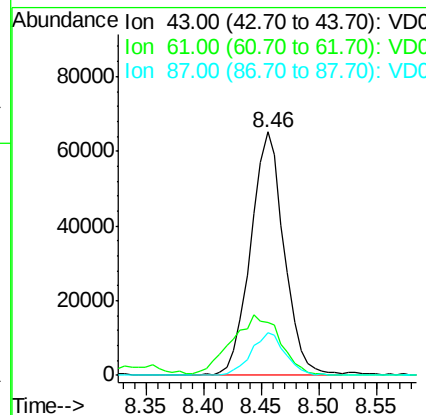
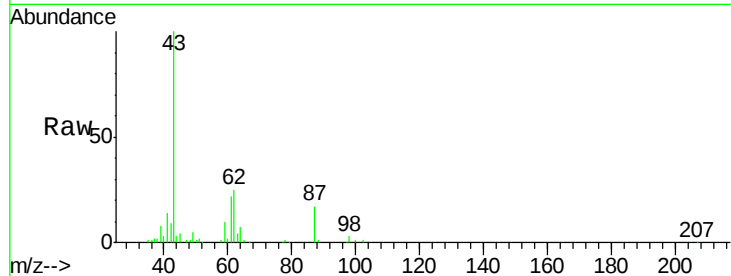
Isopropyl Acetate
 Concen: 56.080 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	36.1	29.5	44.3
87	17.8	14.2	21.4

Manual Integrations
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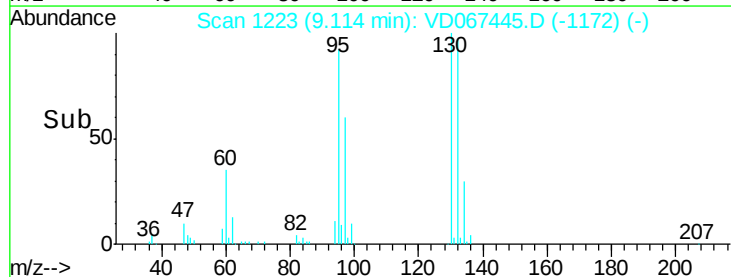
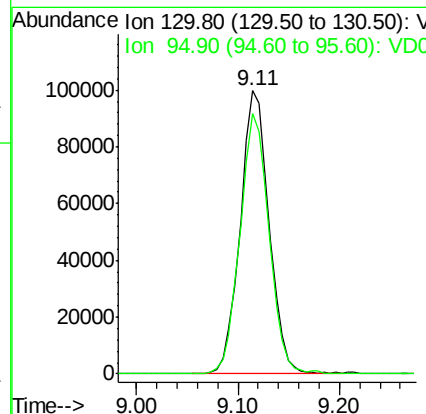
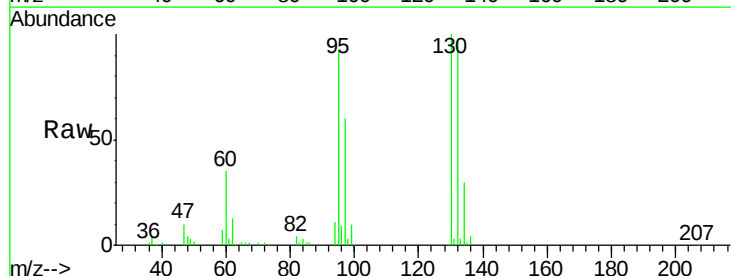
MMDadoda
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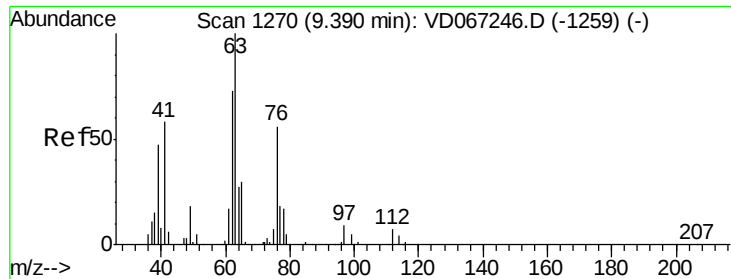


#44

Trichloroethene
 Concen: 55.875 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
130	100		
95	91.8	0.0	190.6





#45

1,2-Dichloropropane

Concen: 55.206 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 140852

Ion Ratio Lower Upper

63 100

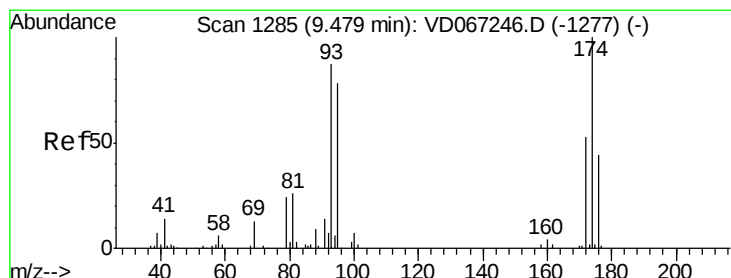
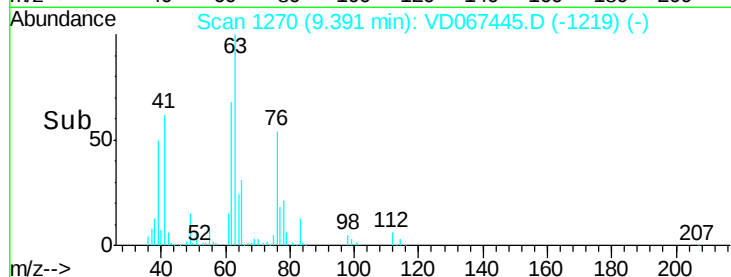
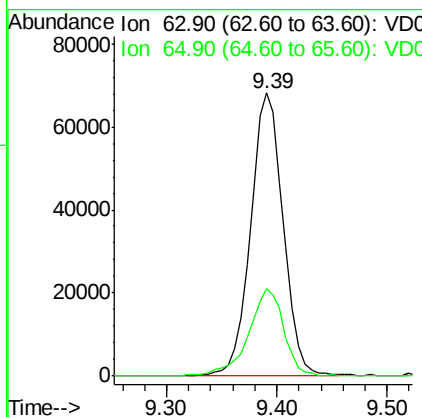
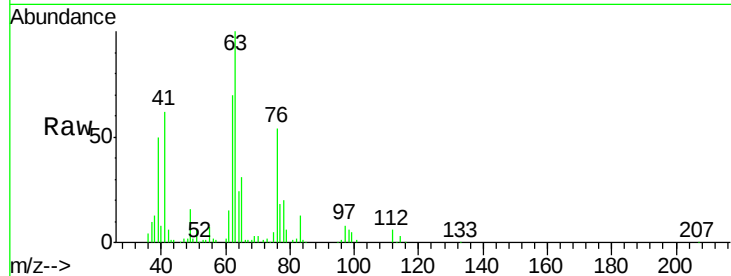
65 30.5 24.6 36.8

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#46

Dibromomethane

Concen: 54.755 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

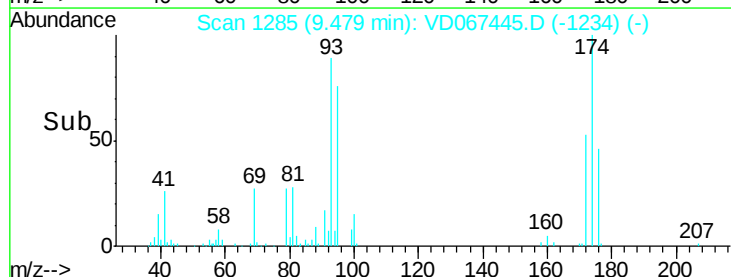
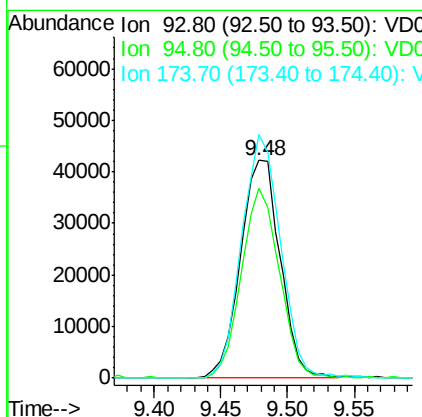
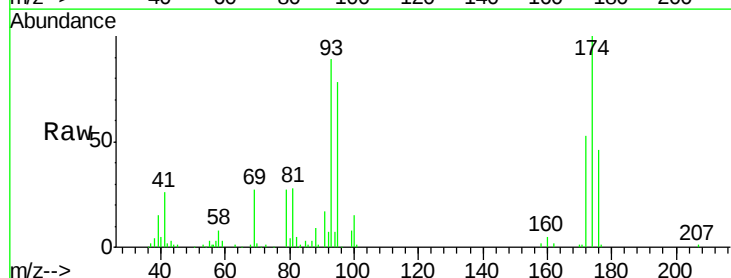
Tgt Ion: 93 Resp: 87041

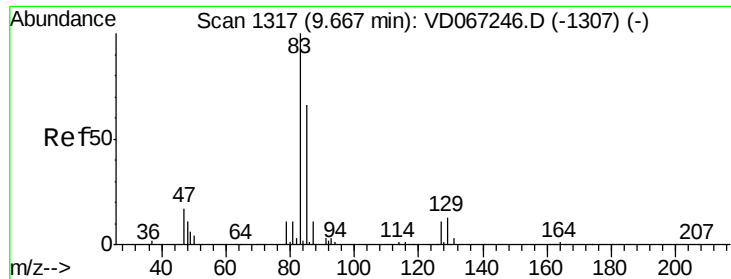
Ion Ratio Lower Upper

93 100

95 83.3 68.0 102.0

174 109.7 91.8 137.6





#47

Bromodichloromethane

Concen: 56.596 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

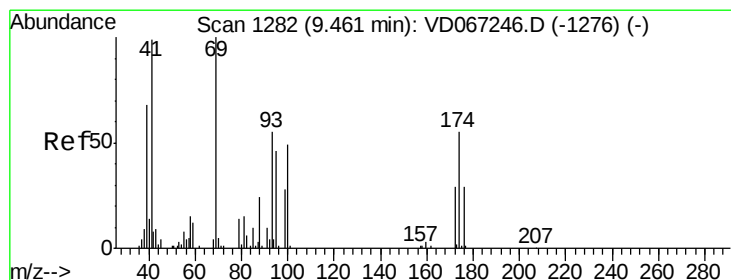
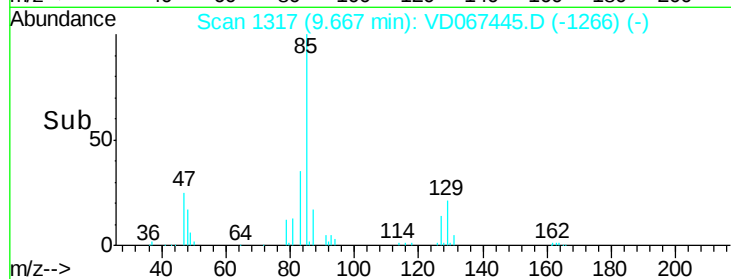
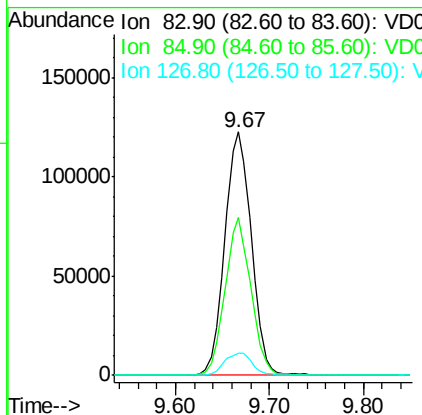
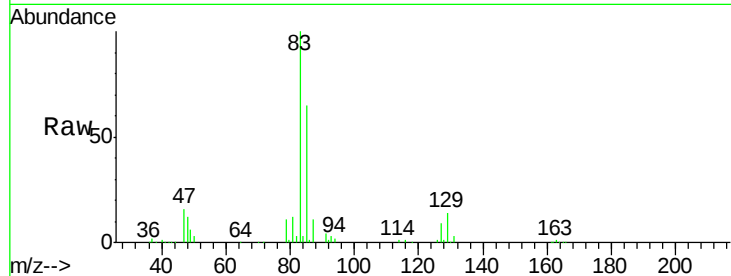
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	241042
Ion	Ratio	Lower	Upper
83	100		
85	65.0	53.1	79.7
127	9.1	8.6	13.0

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#48

Methyl methacrylate

Concen: 57.042 ug/l

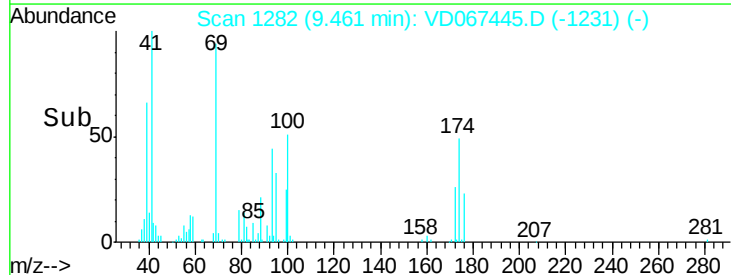
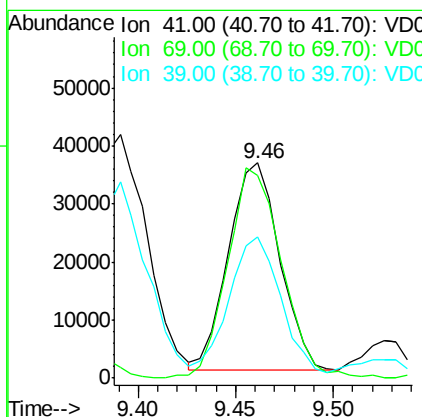
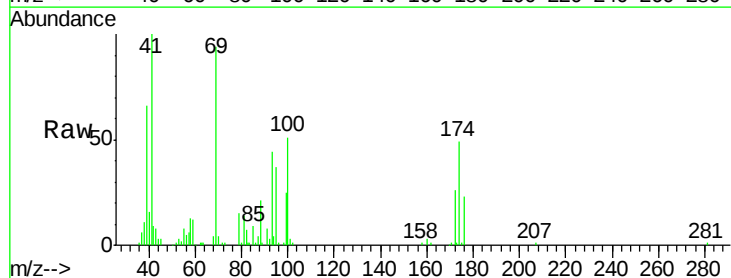
RT: 9.46 min Scan# 1282

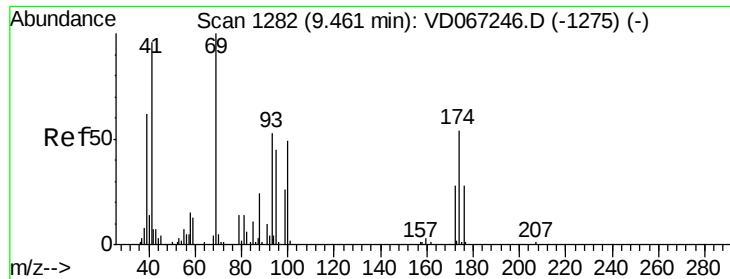
Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion:	41	Resp:	64942
Ion	Ratio	Lower	Upper
41	100		
69	107.5	89.0	133.6
39	64.7	60.2	90.2





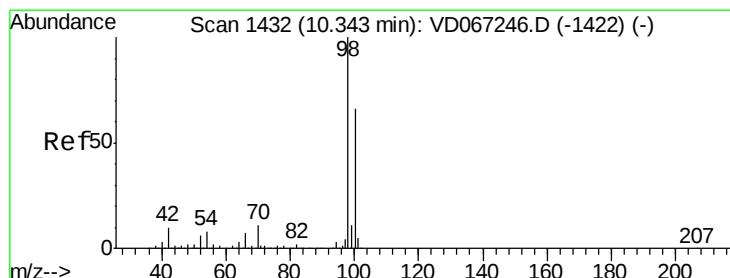
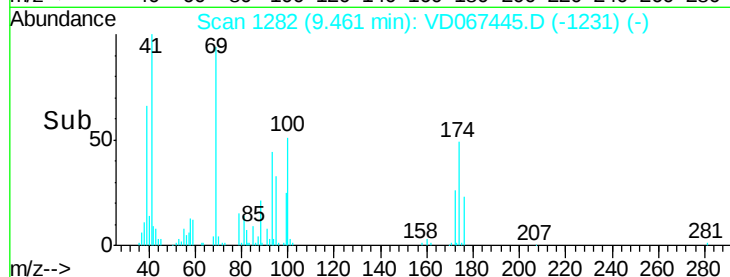
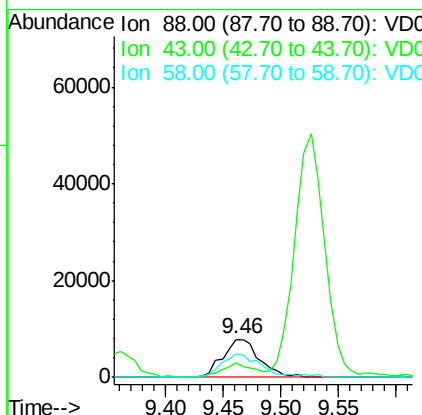
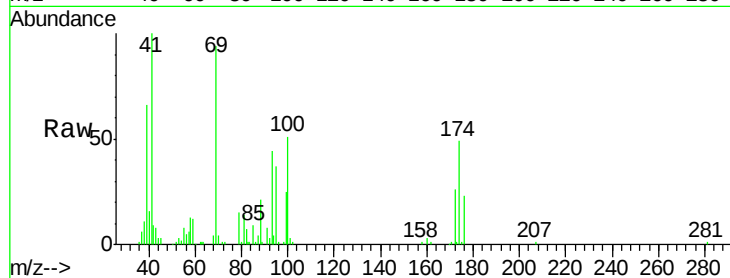
#49
1,4-Dioxane
Concen: 1135.055 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	88	Resp	17398
Ion Ratio	Lower	Upper	
88	100		
43	31.2	23.9	35.9
58	64.0	51.0	76.6

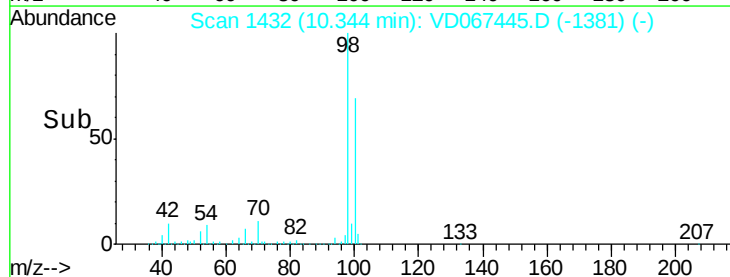
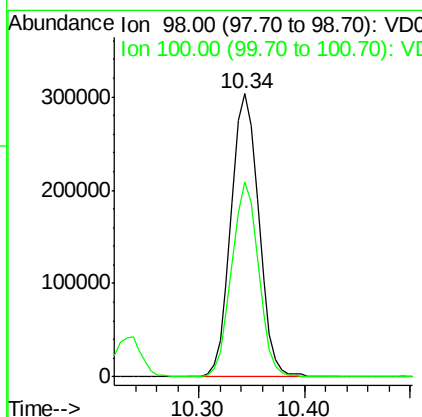
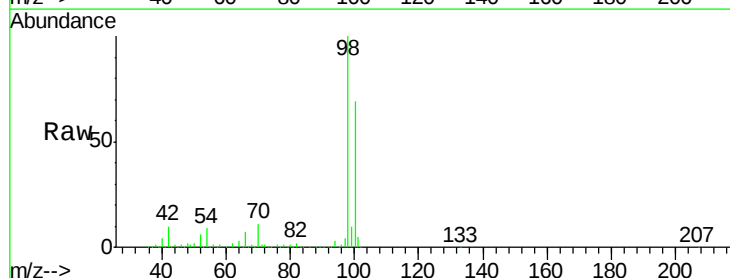
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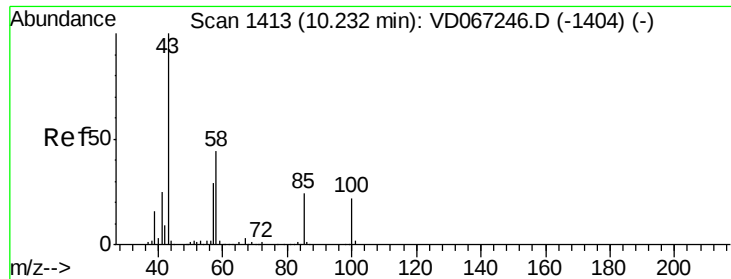
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10/30/2020 1:34:51 PM



#50
Toluene-d8
Concen: 48.472 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	98	Resp	552712
Ion Ratio	Lower	Upper	
98	100		
100	66.7	53.1	79.7





#51

4-Methyl-2-Pentanone

Concen: 287.248 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 335644

Ion Ratio Lower Upper

43 100

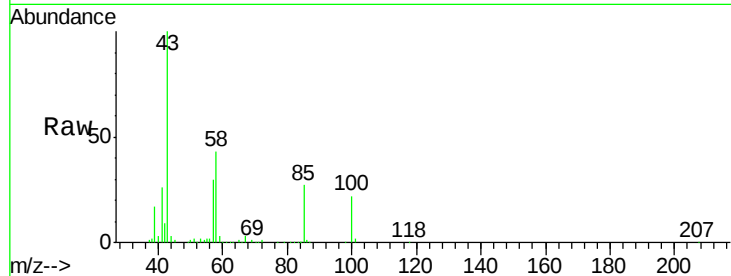
58 44.1 35.7 53.5

Manual Integrations

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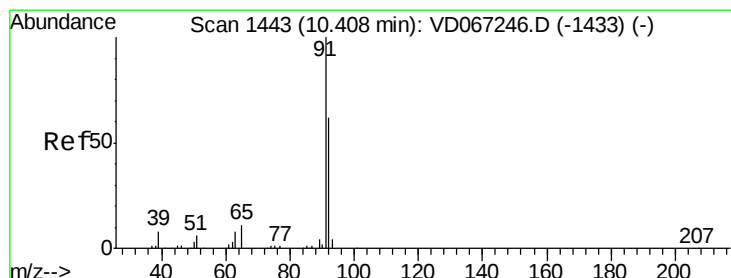
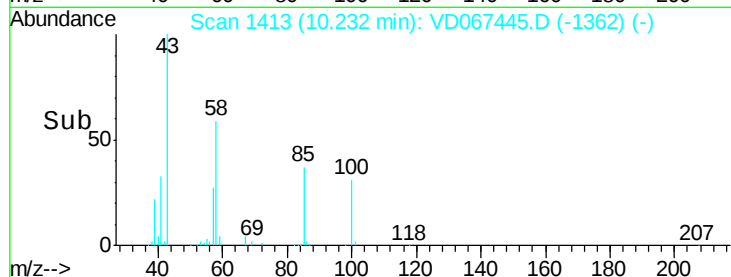
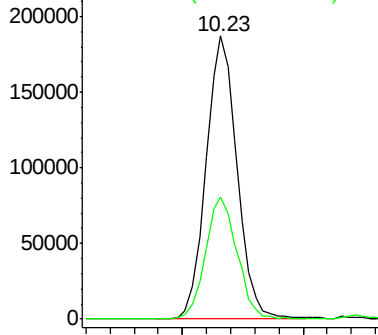
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 56.830 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067445.D

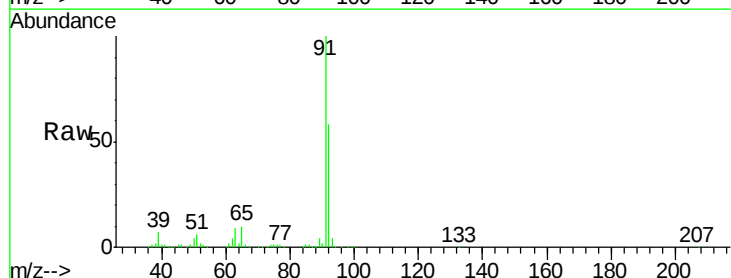
Acq: 29 Oct 2020 11:35

Tgt Ion: 92 Resp: 426117

Ion Ratio Lower Upper

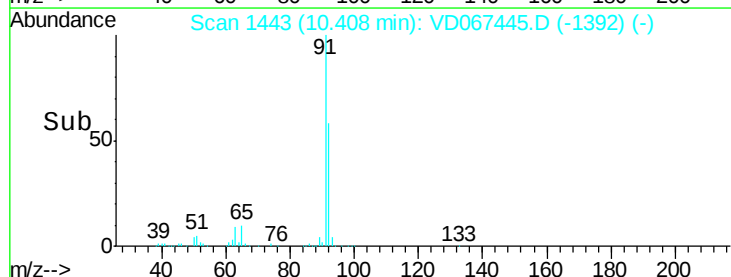
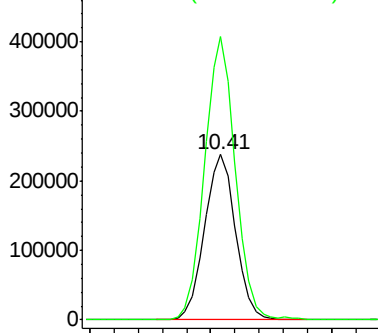
92 100

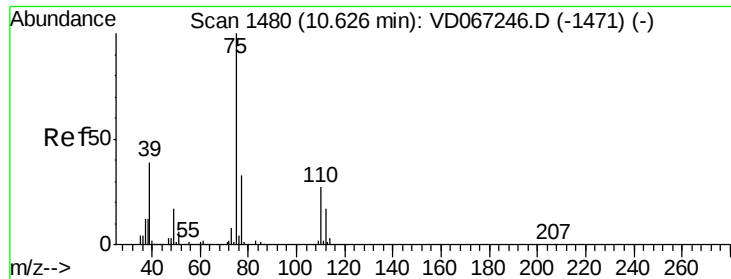
91 169.3 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





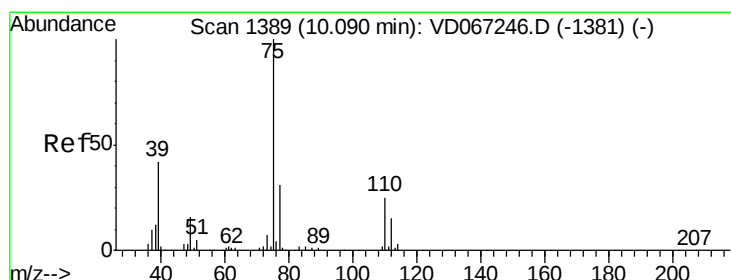
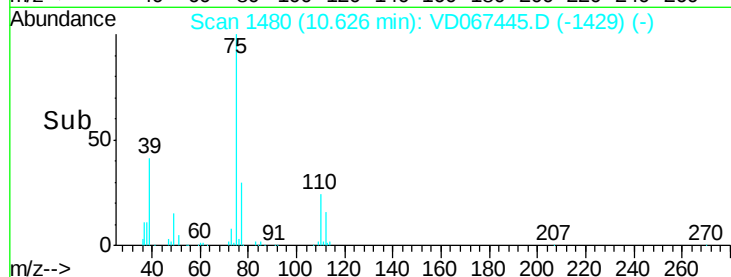
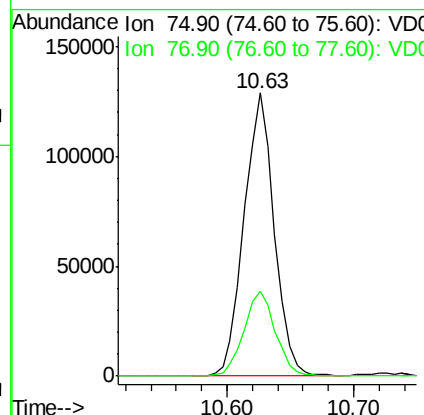
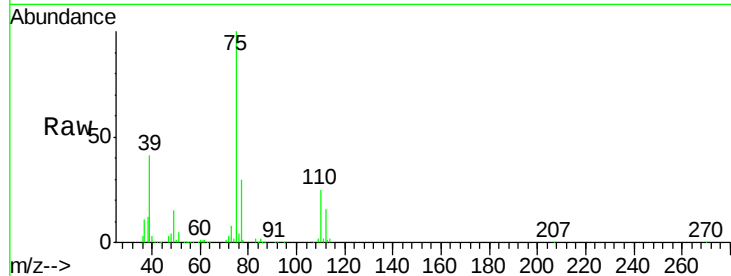
#53
t-1,3-Dichloropropene
Concen: 56.766 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	30.2	26.5	39.7

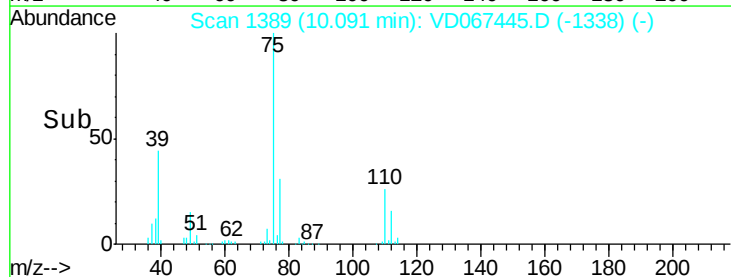
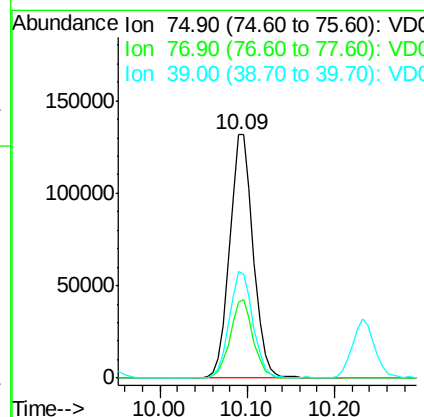
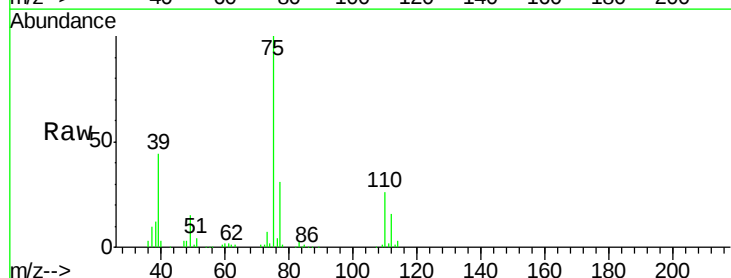
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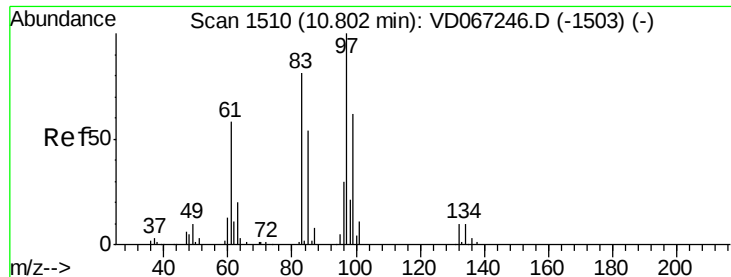
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10/30/2020 1:34:51 PM



#54
cis-1,3-Dichloropropene
Concen: 55.697 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.1	24.5	36.7
39	43.7	33.7	50.5





#55

1,1,2-Trichloroethane

Concen: 56.767 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

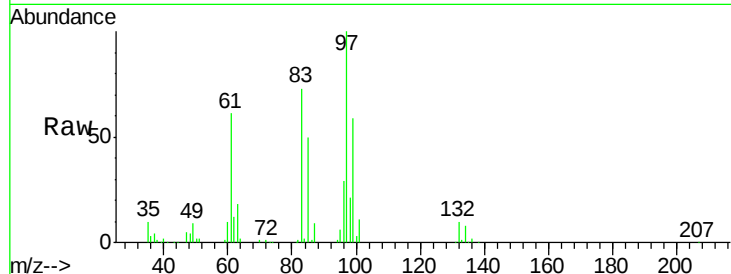
ClientSampleId :

VSTDCCC050

Tot Ion:	97	Resp:	123054
Ion	Ratio	Lower	Upper
97	100		
83	72.5	64.9	97.3
85	49.6	43.3	64.9
99	58.8	49.1	73.7

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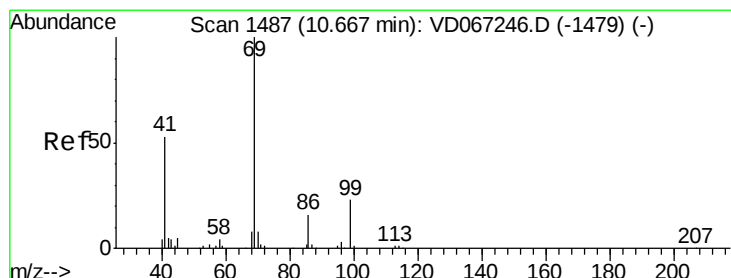
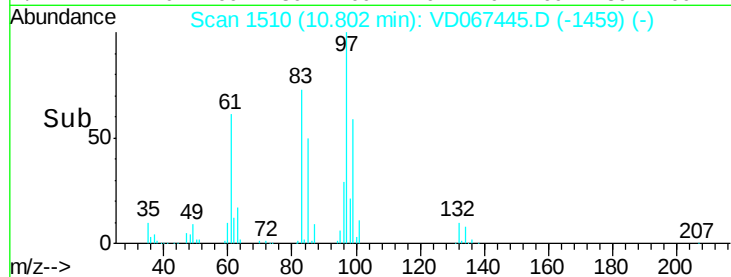
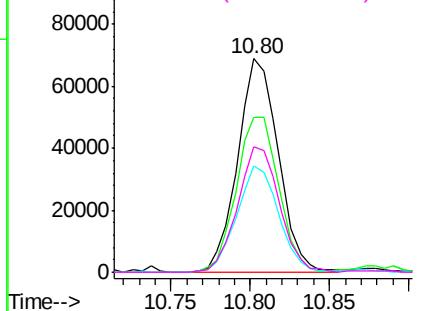


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 57.606 ug/l

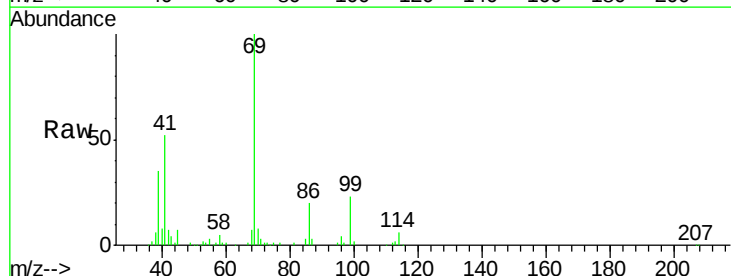
RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

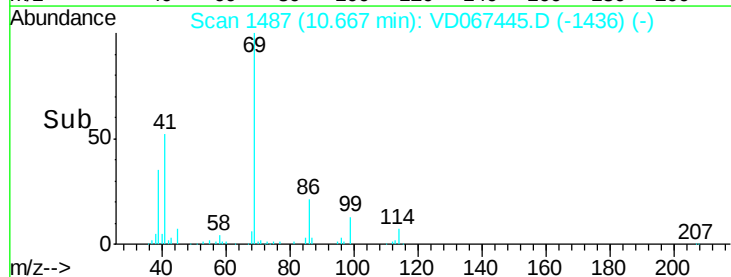
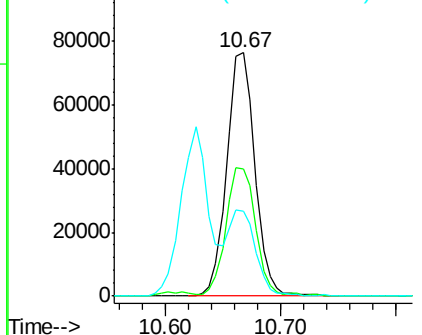
Tgt Ion:	69	Resp:	129505
Ion	Ratio	Lower	Upper
69	100		
41	55.9	44.7	67.1
39	33.5	26.2	39.2

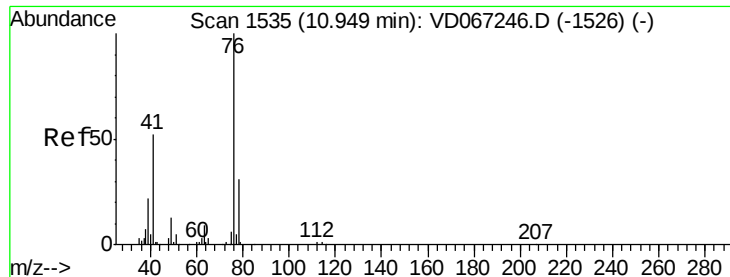


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





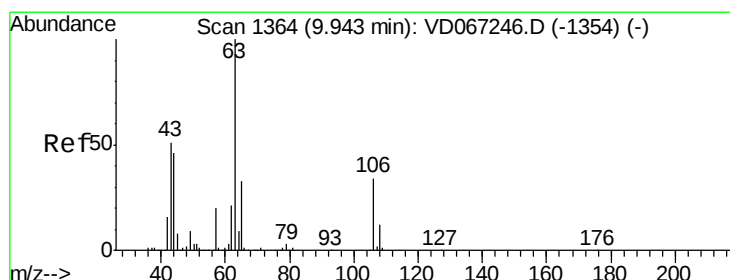
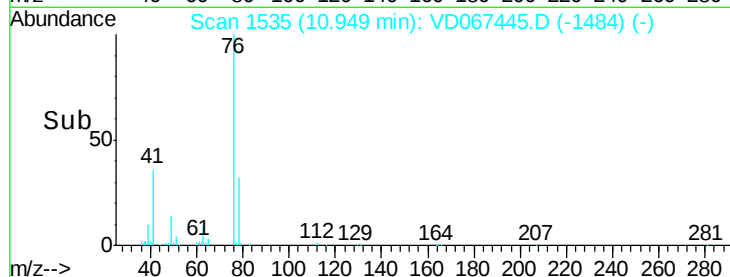
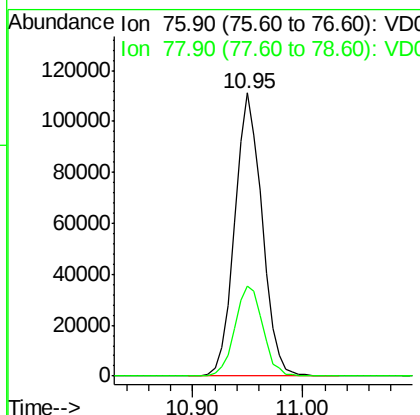
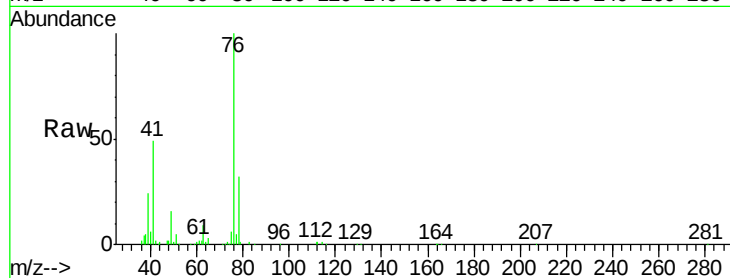
#57
 1,3-Dichloropropane
 Concen: 56.103 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 193540
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.8 40.2

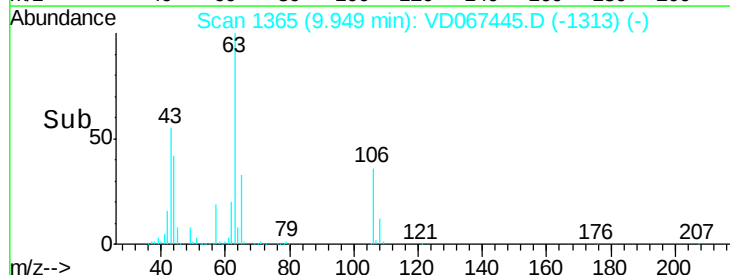
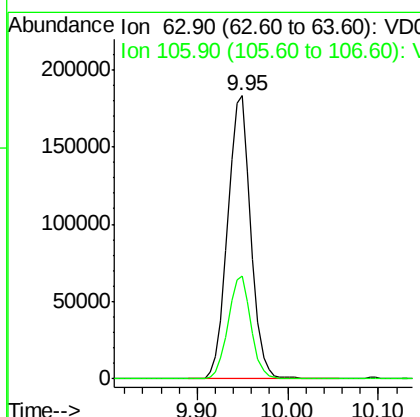
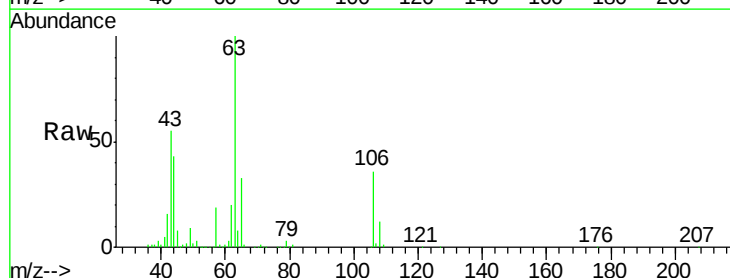
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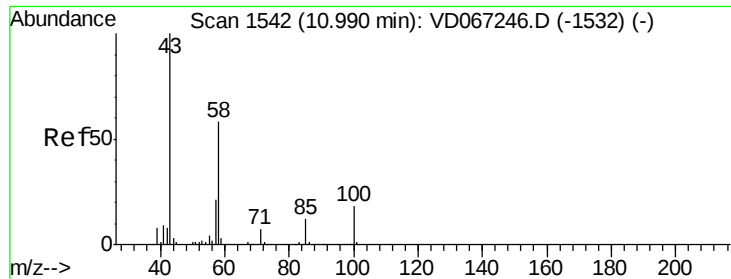
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#58
 2-Chloroethyl Vinyl ether
 Concen: 281.681 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion: 63 Resp: 324860
 Ion Ratio Lower Upper
 63 100
 106 36.0 27.8 41.6





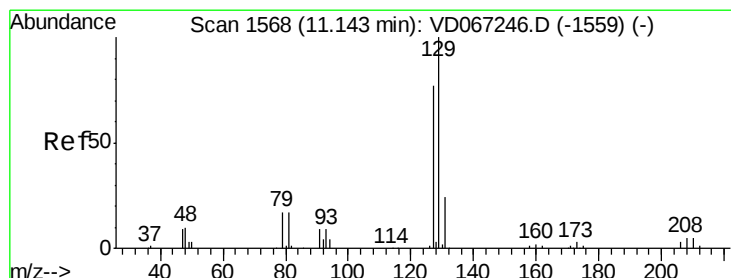
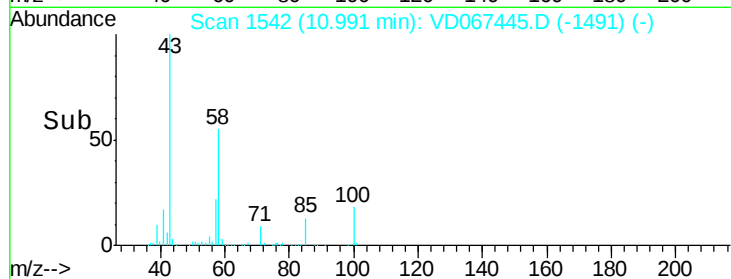
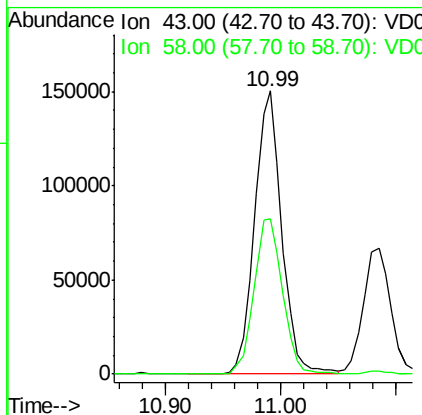
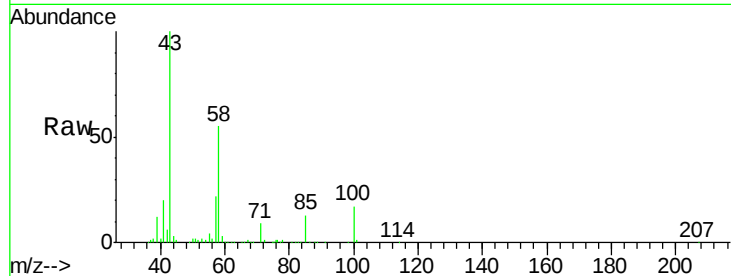
#59
2-Hexanone
Concen: 308.703 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 246487
Ion Ratio Lower Upper
43 100
58 57.7 29.3 87.9

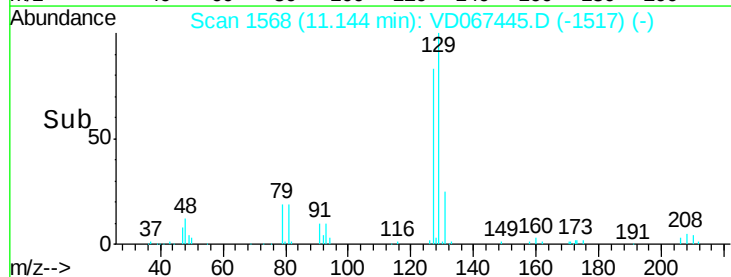
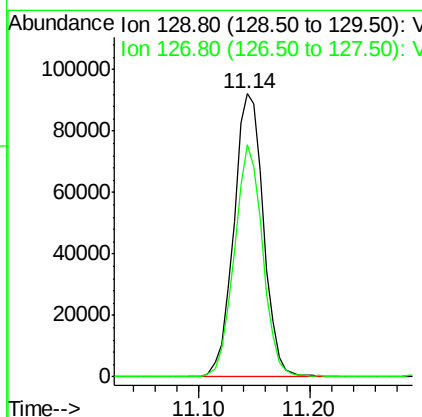
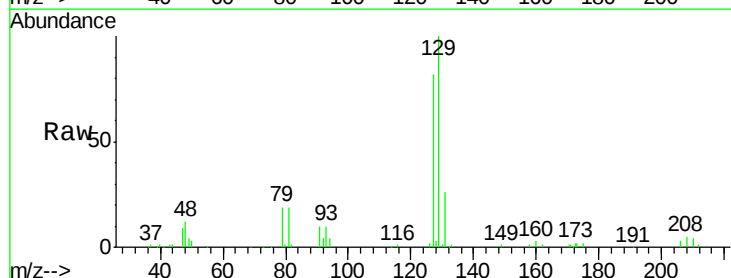
Manual Integrations
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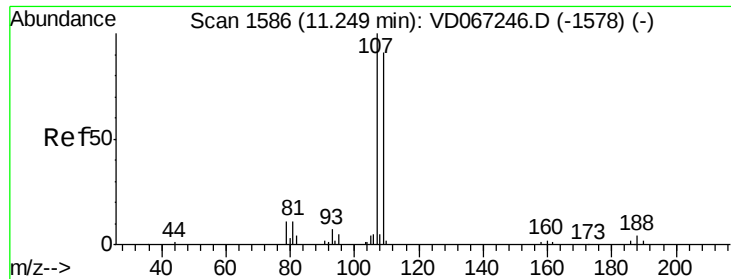
MMDadoda
10/30/2020 1:34:51 PM



#60
Dibromochloromethane
Concen: 54.873 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 129 Resp: 173468
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.8





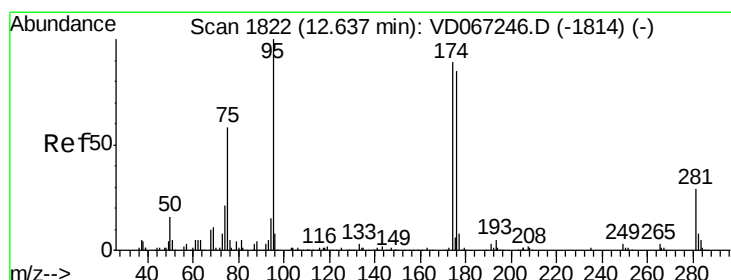
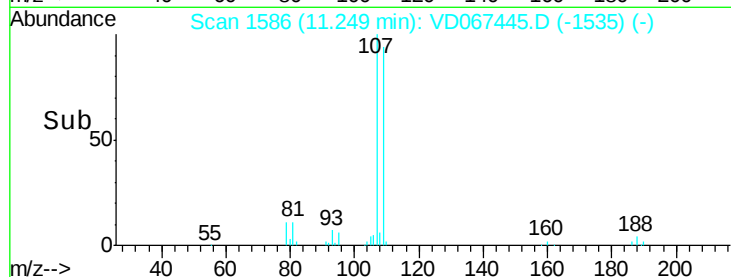
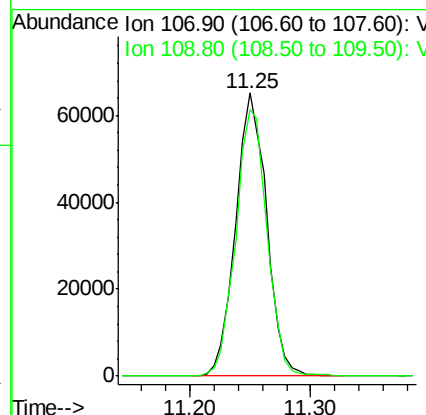
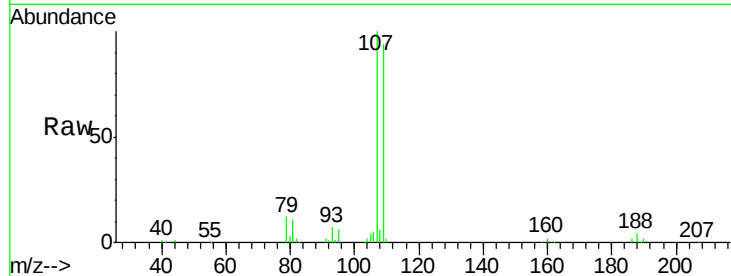
#61
 1,2-Dibromoethane
 Concen: 54.712 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.8	74.6	112.0

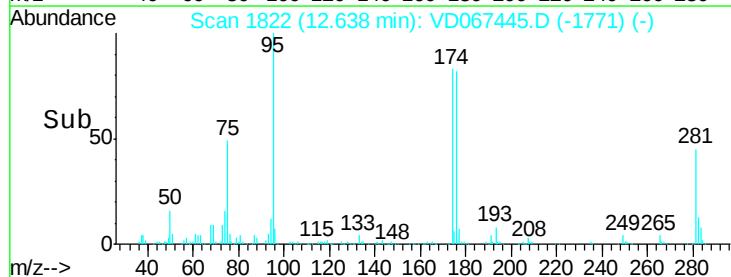
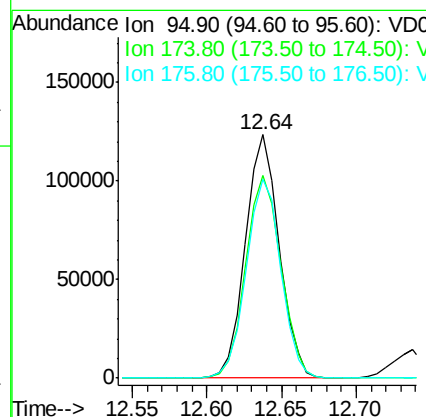
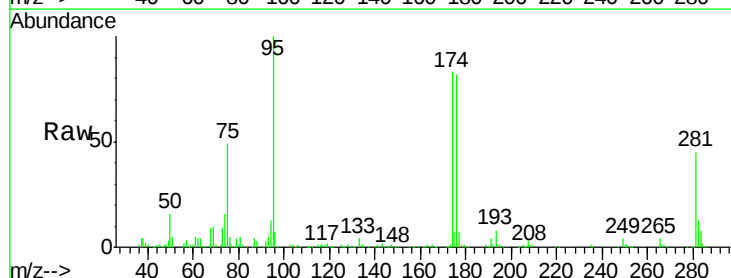
Manual Integrations
 APPROVED

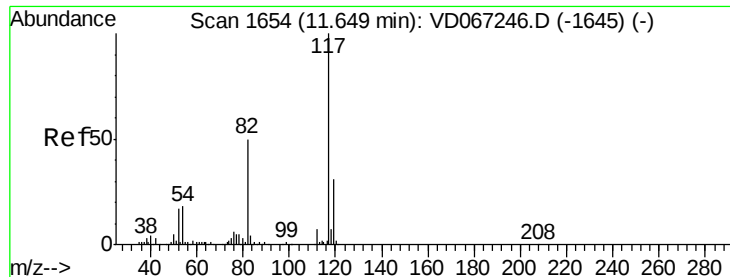
MMDadoda
 10/30/2020 1:34:51 PM



#62
 4-Bromofluorobenzene
 Concen: 48.808 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
95	100		
174	86.9	0.0	175.2
176	83.4	0.0	168.6





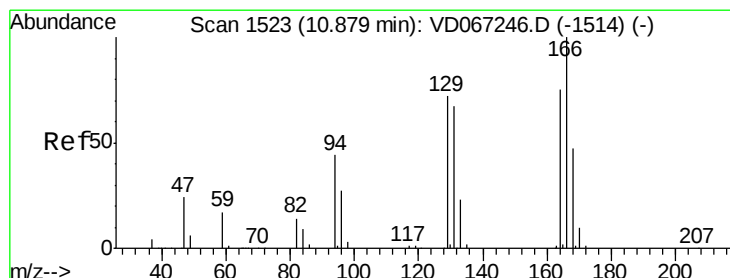
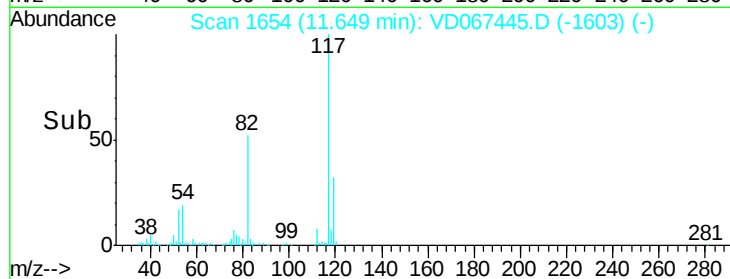
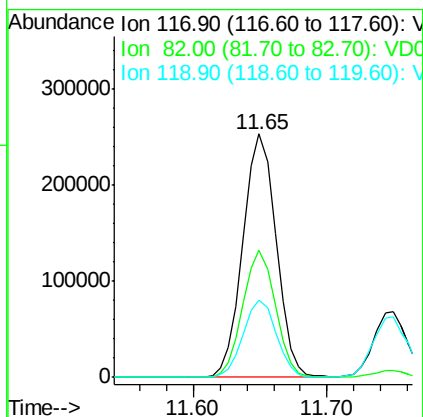
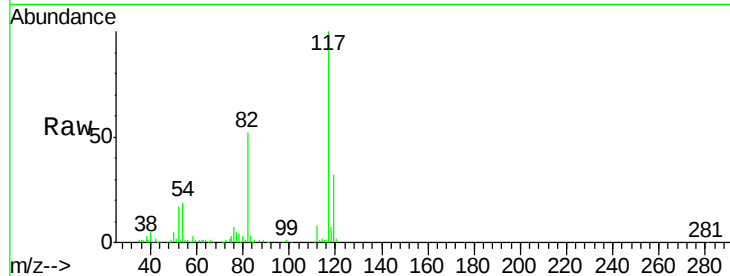
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.4	39.9	59.9
119	31.8	24.9	37.3

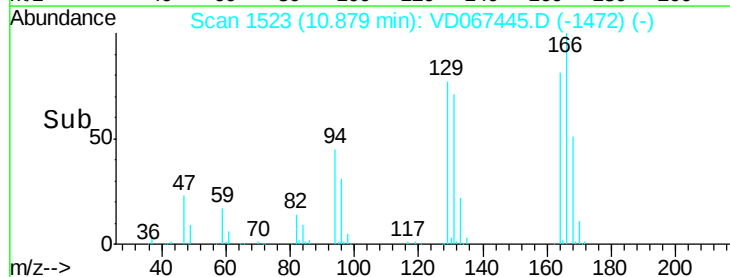
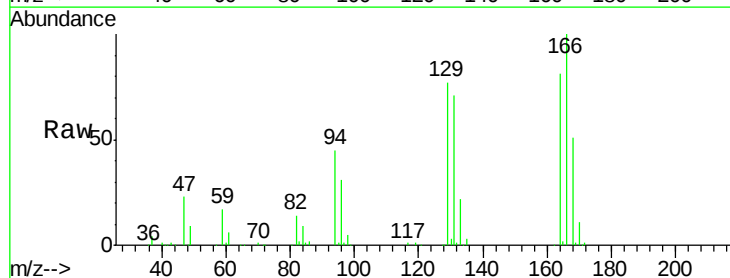
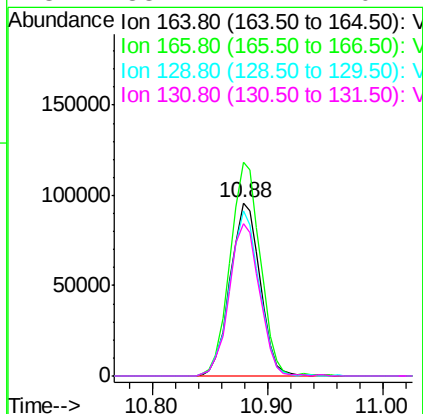
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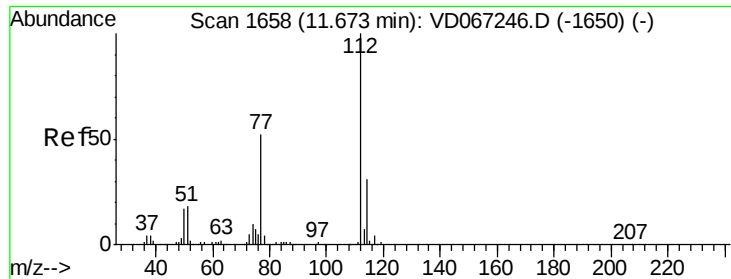
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#64
Tetrachloroethene
Concen: 54.136 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.5	107.3	160.9
129	95.3	77.3	115.9
131	88.2	71.4	107.2





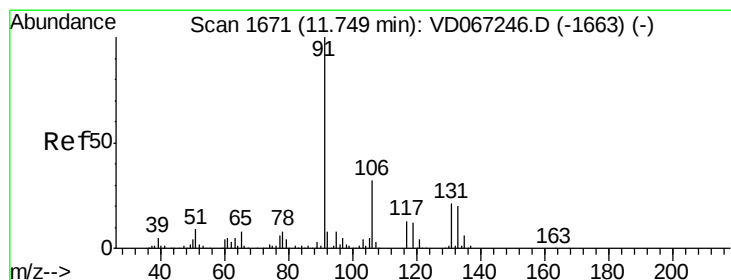
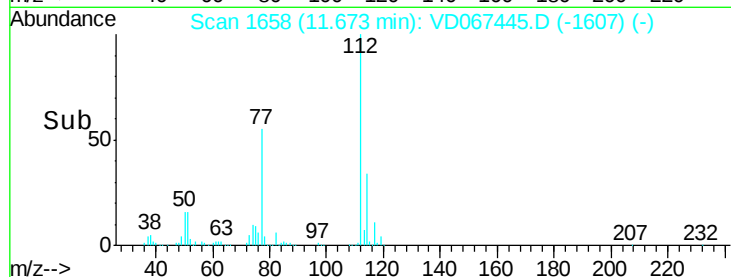
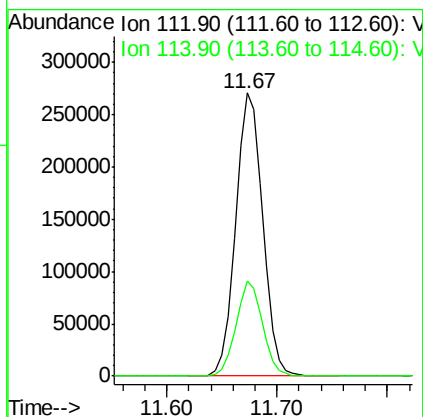
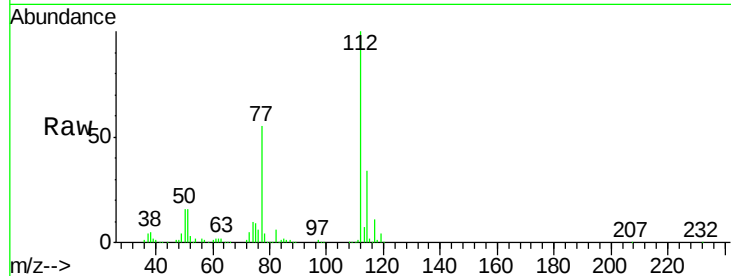
#65
Chlorobenzene
Concen: 55.446 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.7	25.0	37.4

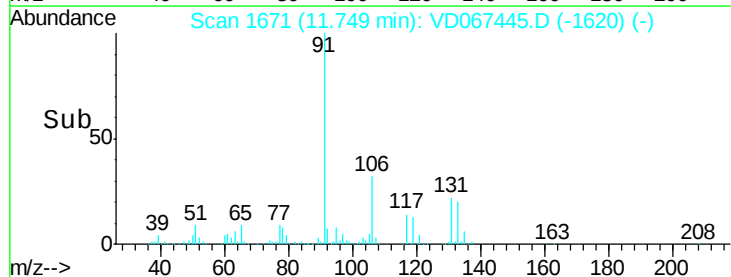
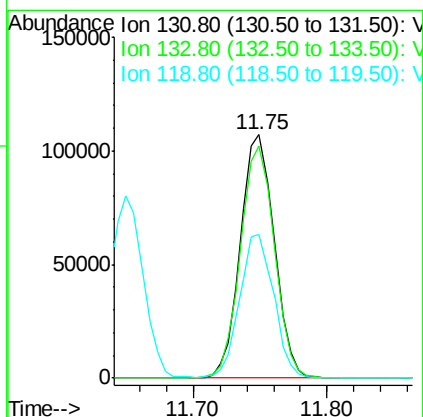
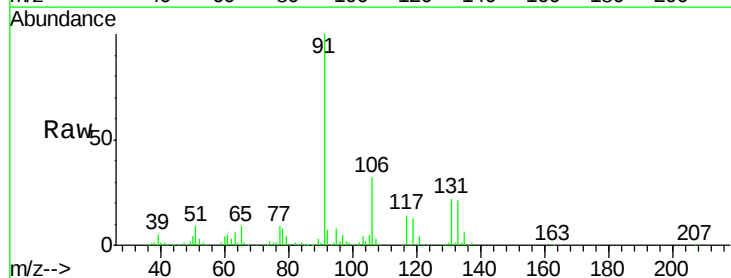
Manual Integrations
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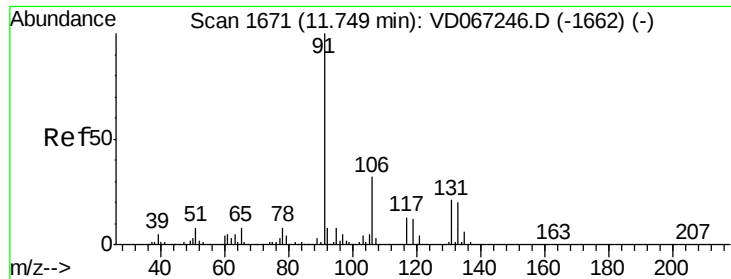
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 56.531 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.1	144.3
119	59.2	30.0	90.0





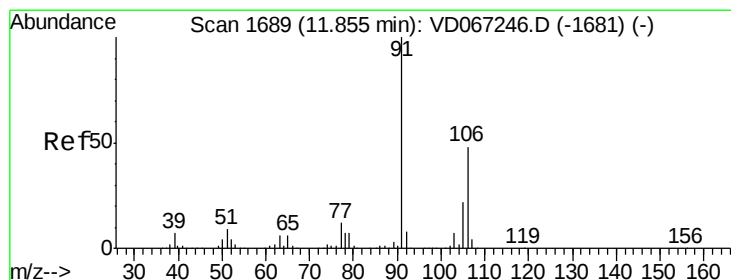
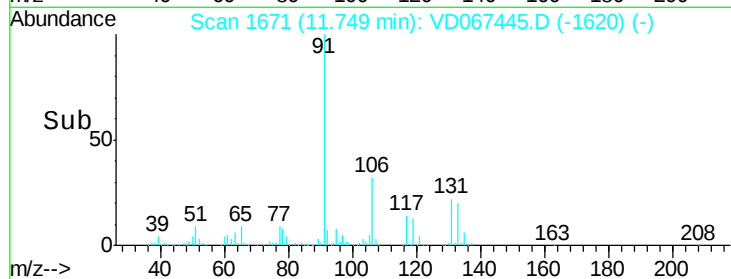
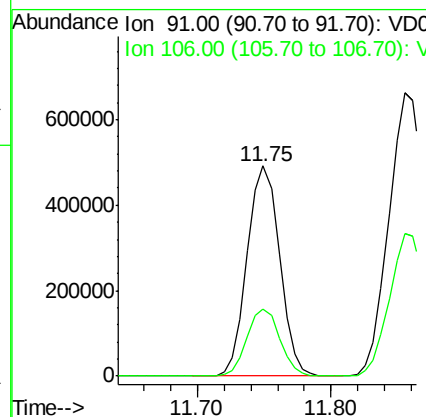
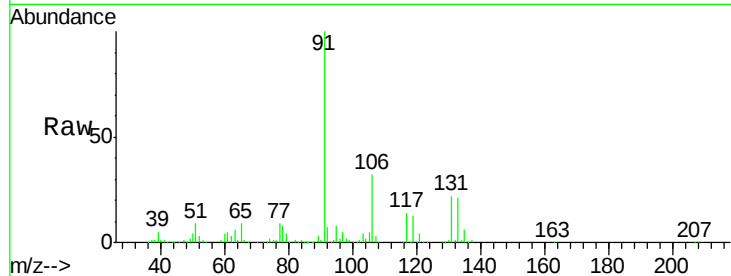
#67
Ethyl Benzene
Concen: 57.574 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 828264
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0

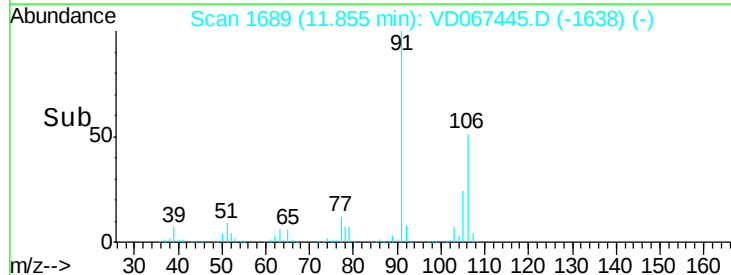
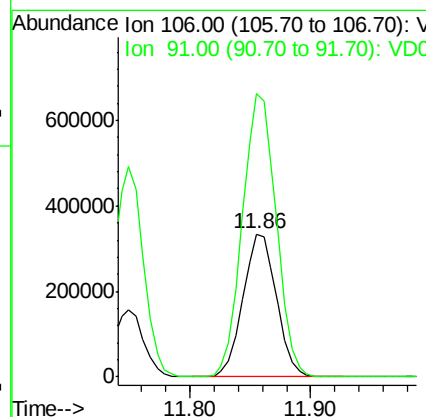
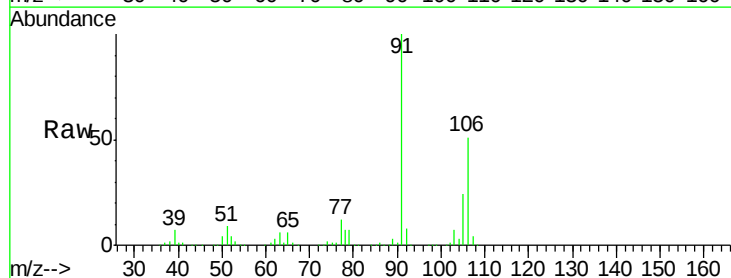
Manual Integrations
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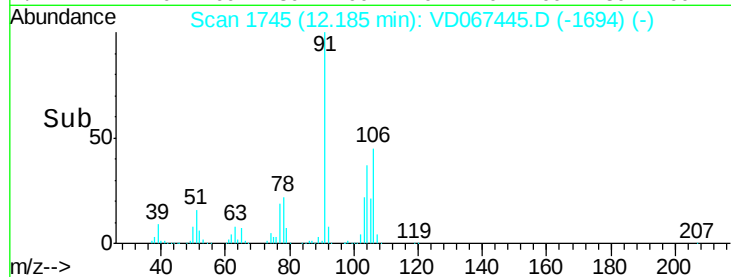
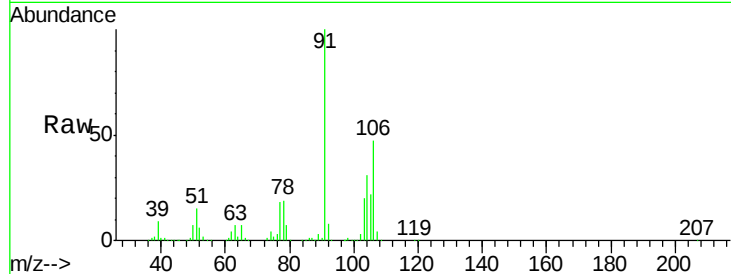
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#68
m/p-Xylenes
Concen: 116.517 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 106 Resp: 645492
Ion Ratio Lower Upper
106 100
91 200.1 163.8 245.8





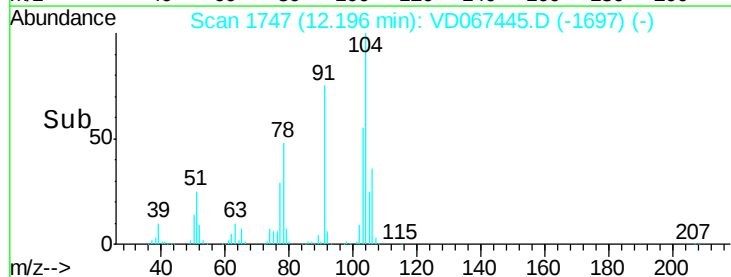
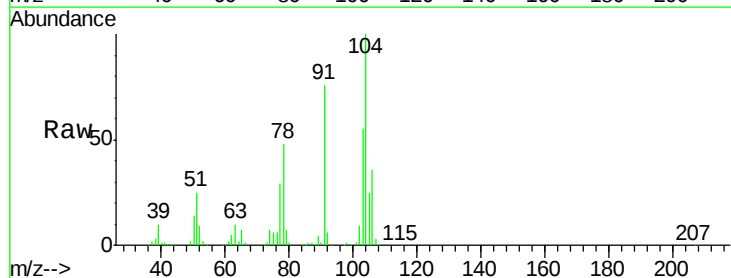
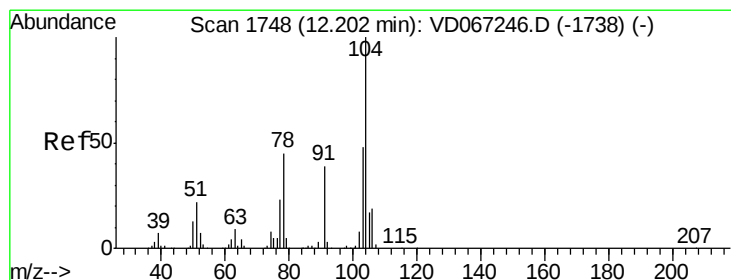
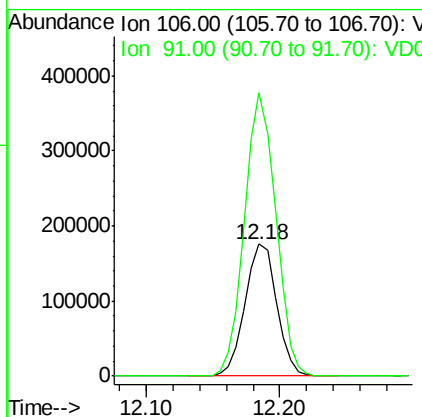
#69
o-Xylene
Concen: 56.220 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tot Ion	Ratio	Resp	Lower	Upper
106	100	288405		
91	212.7	109.1	327.3	

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

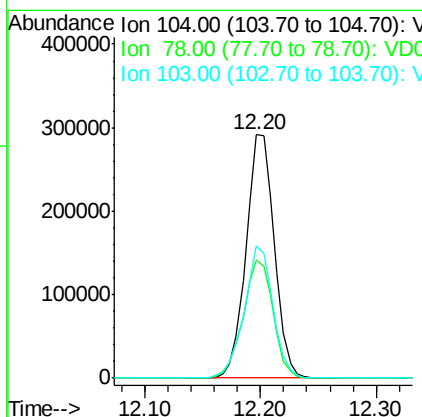
Manual Integrations
APPROVED

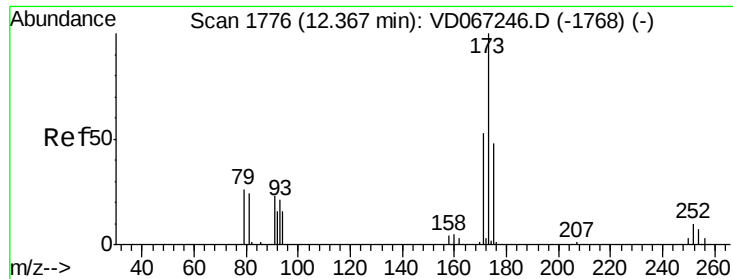
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#70
Styrene
Concen: 56.442 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
104	100	498433		
78	51.2	39.8	59.6	
103	54.9	42.6	64.0	





#71

Bromoform

Concen: 56.827 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 101830

Ion Ratio Lower Upper

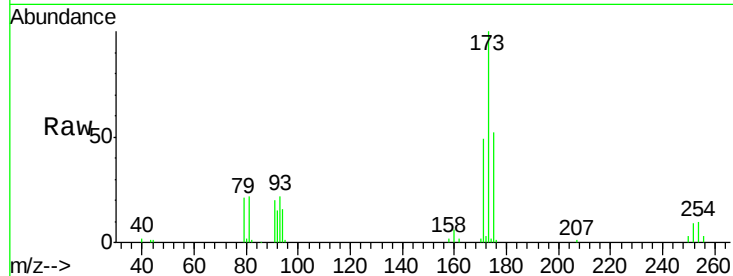
173 100

175 48.0 24.2 72.6

254 0.0 0.1 0.1#

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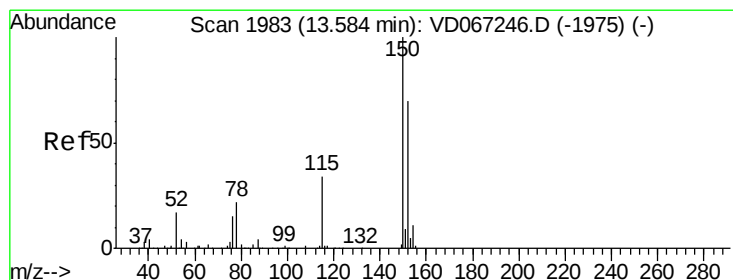
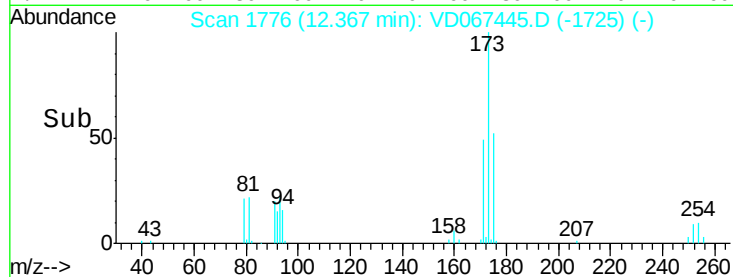
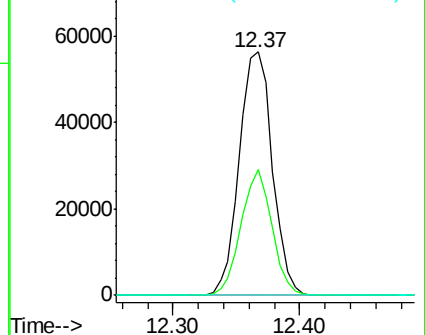
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

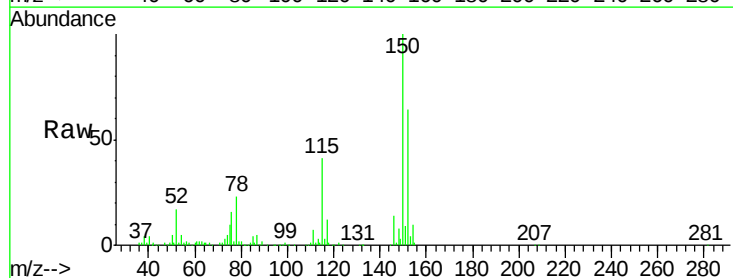
Tgt Ion:152 Resp: 225573

Ion Ratio Lower Upper

152 100

115 59.0 29.3 87.9

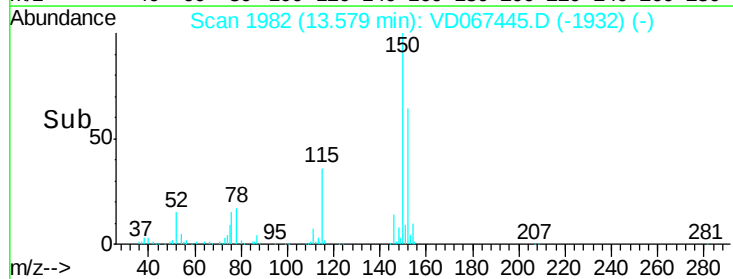
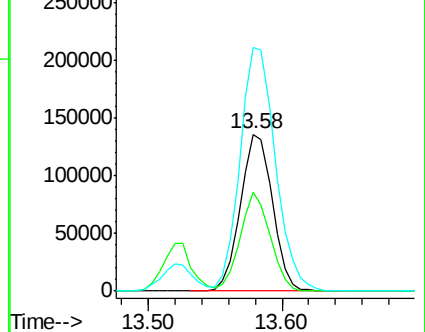
150 171.0 0.0 339.0

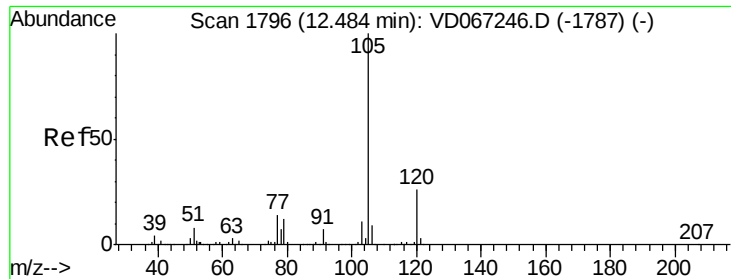


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 58.717 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 840616

Ion Ratio Lower Upper

105 100

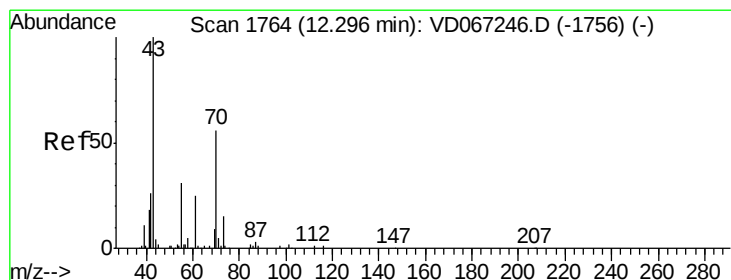
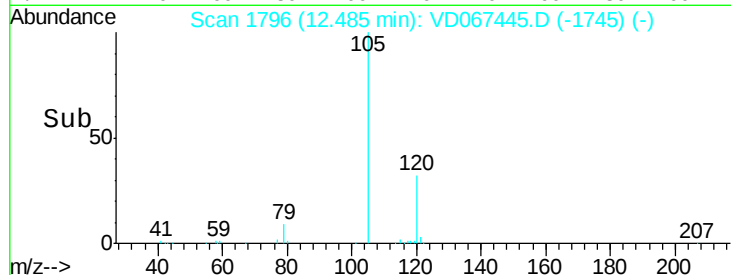
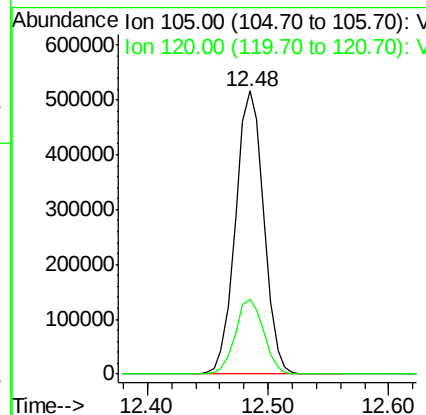
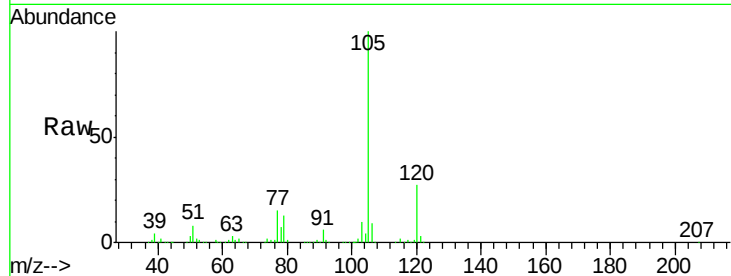
120 26.6 13.3 39.8

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#74

N-ethyl acetate

Concen: 54.810 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion: 43 Resp: 118512

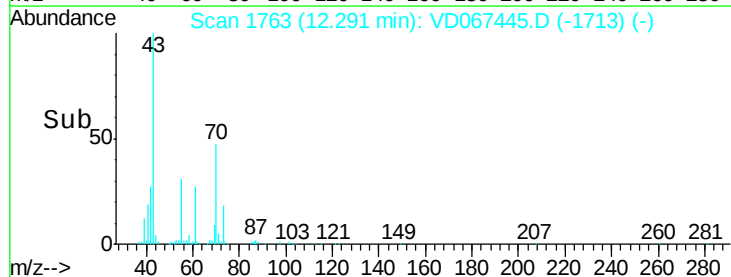
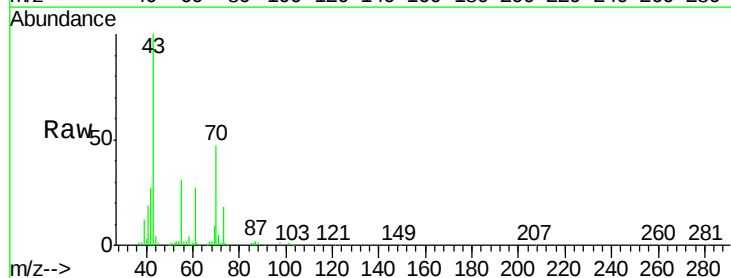
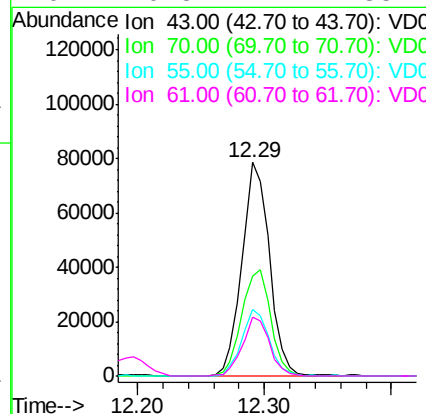
Ion Ratio Lower Upper

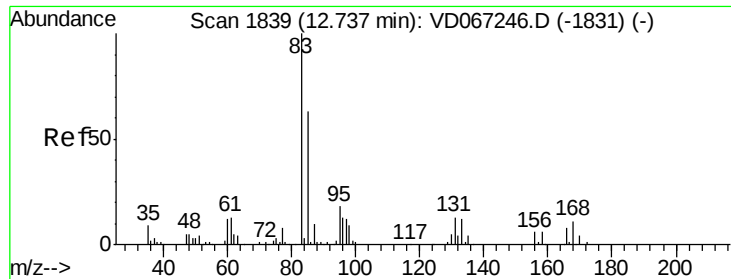
43 100

70 52.1 42.7 64.1

55 30.9 24.0 36.0

61 26.8 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.487 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

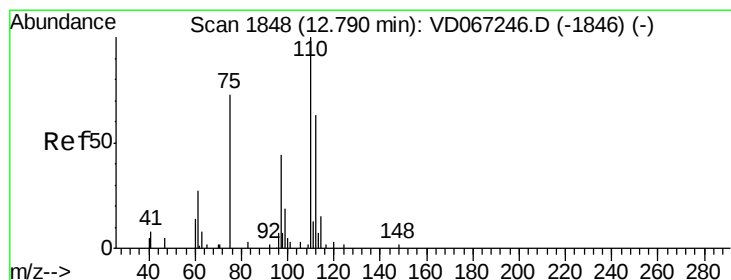
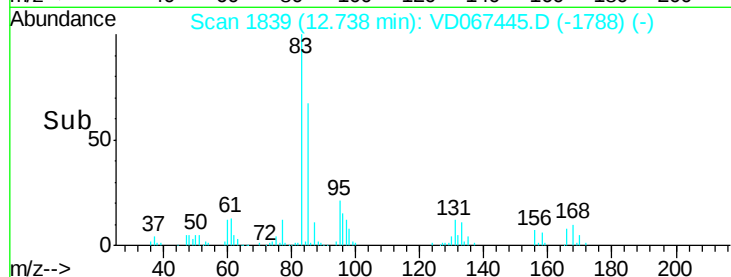
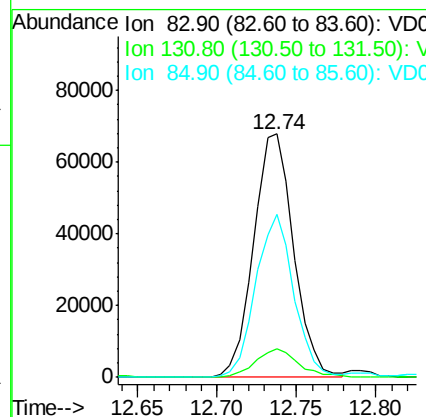
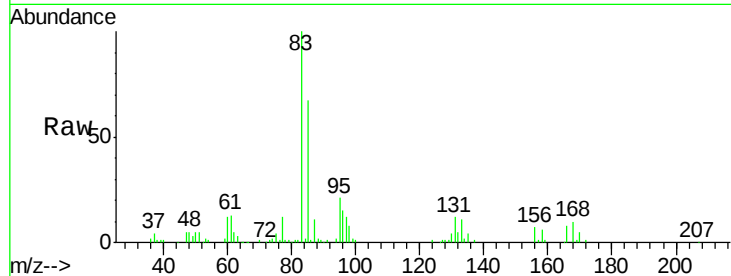
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	119522
Ion Ratio	Lower	Upper	
83	100		
131	12.8	6.5	19.5
85	63.5	32.6	97.7

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 57.799 ug/l m

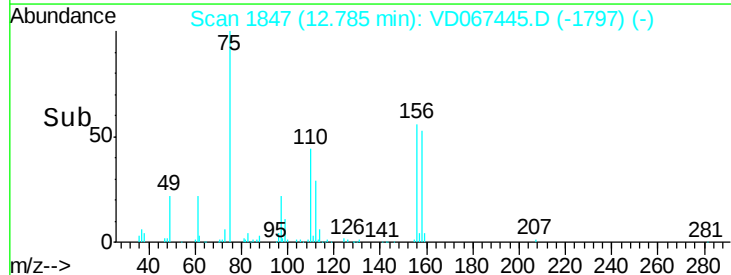
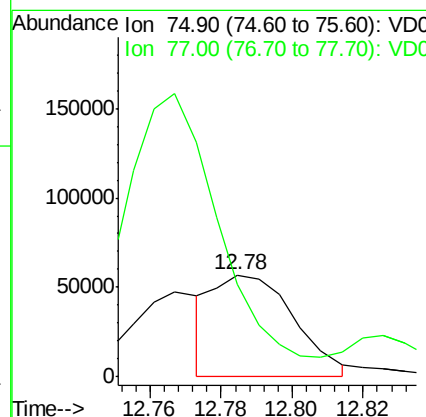
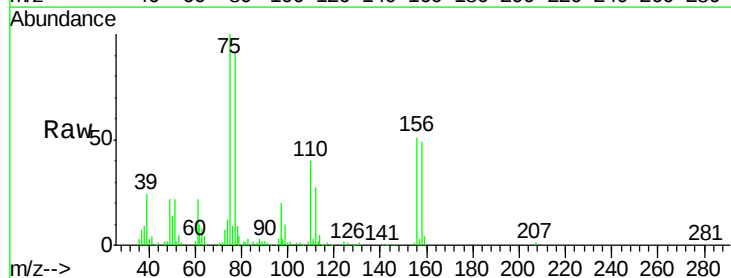
RT: 12.78 min Scan# 1847

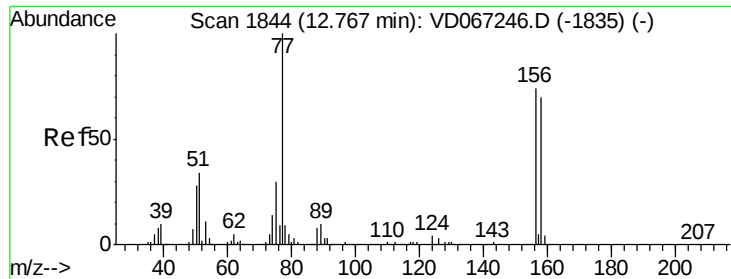
Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion:	75	Resp:	90365
Ion Ratio	Lower	Upper	
75	100		
77	336.9	0.0	0.0#





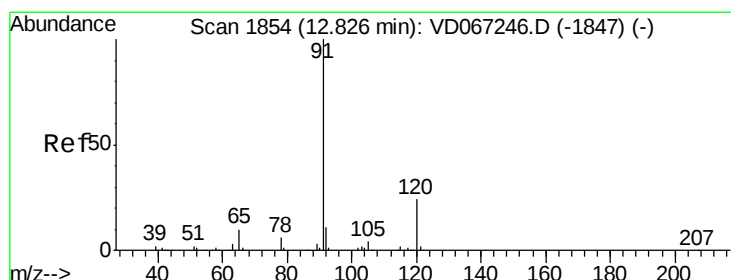
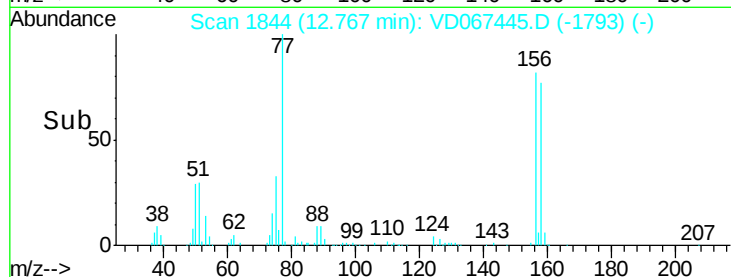
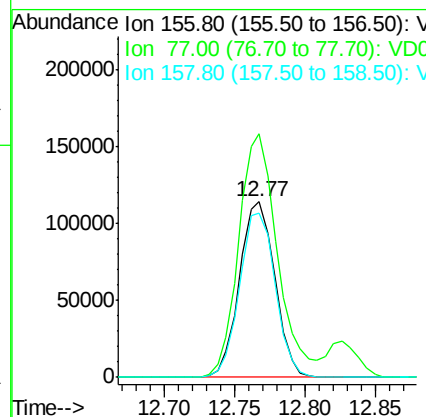
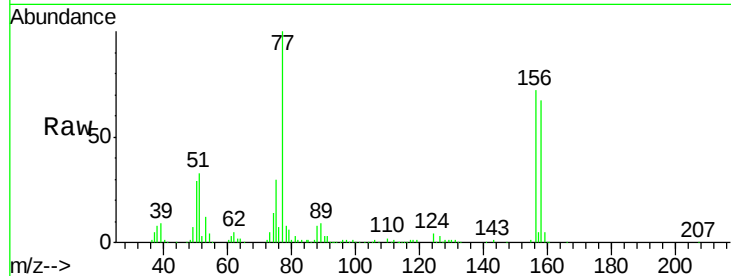
#77
Bromobenzene
Concen: 56.113 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.0	78.0	233.8
158	94.4	49.1	147.3

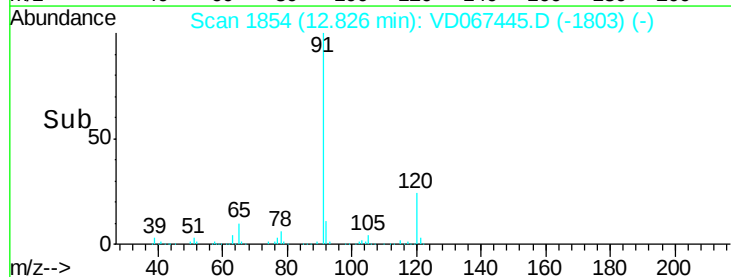
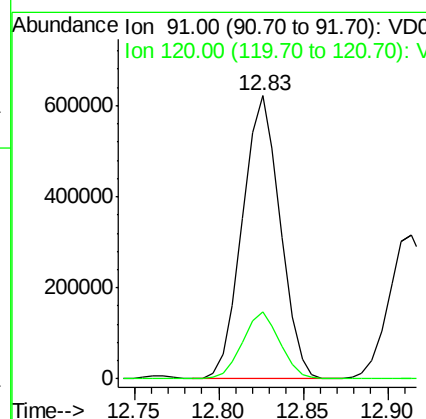
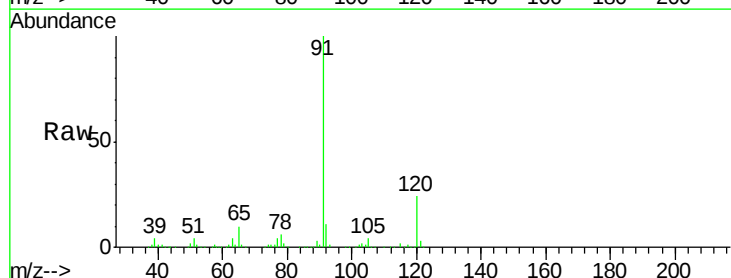
Manual Integrations
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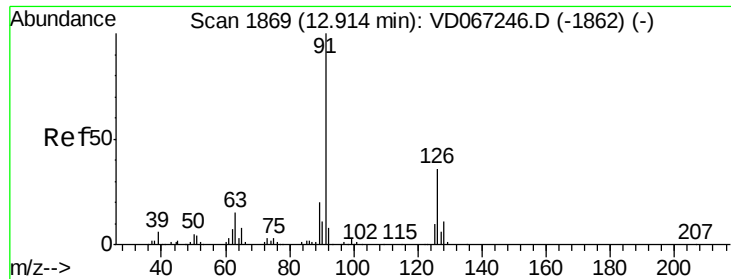
MMDadoda
10/30/2020 1:34:51 PM



#78
n-propylbenzene
Concen: 58.502 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.9	35.9





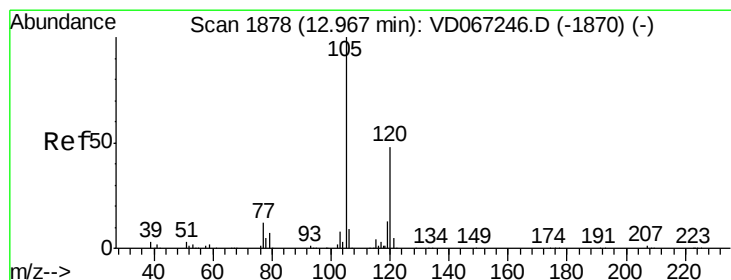
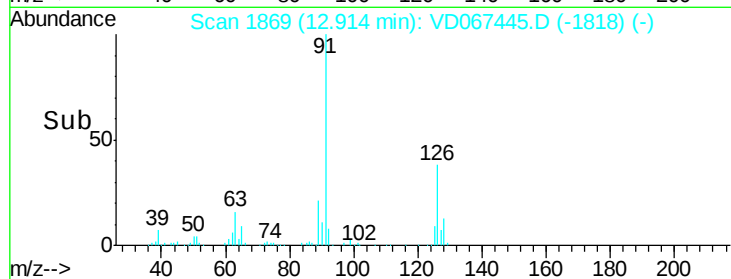
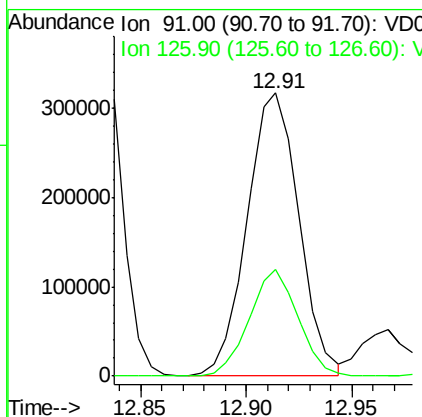
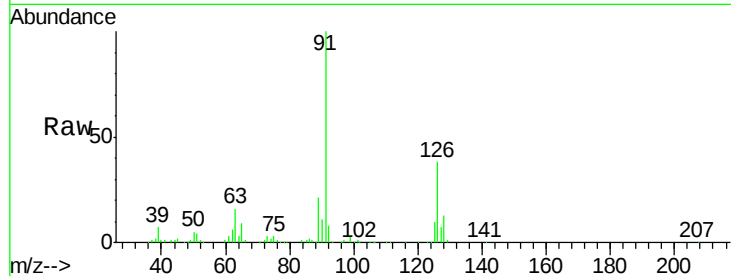
#79
2-Chlorotoluene
Concen: 56.027 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 538939
Ion Ratio Lower Upper
91 100
126 35.6 17.6 52.8

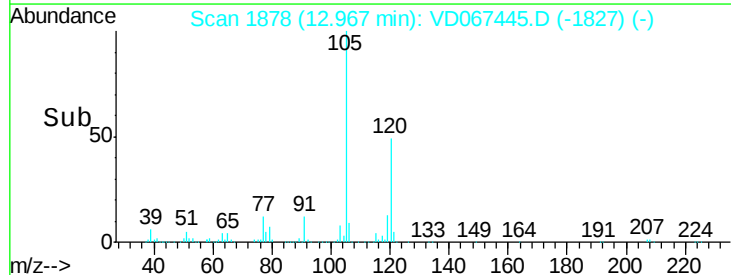
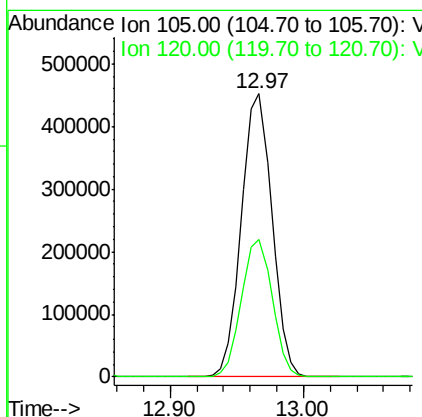
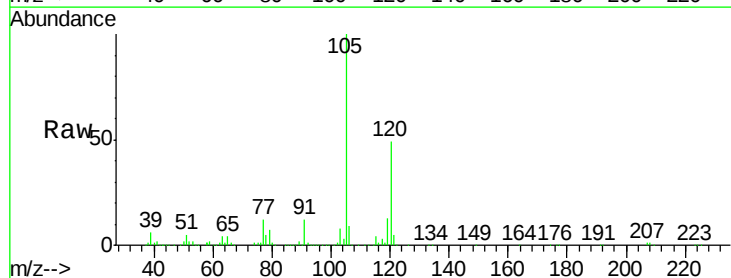
Manual Integrations
APPROVED

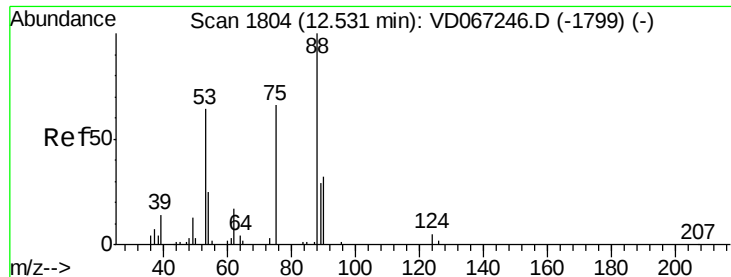
MMDadoda
10/30/2020 1:34:51 PM



#80
1,3,5-Trimethylbenzene
Concen: 57.880 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 105 Resp: 720081
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 57.618 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

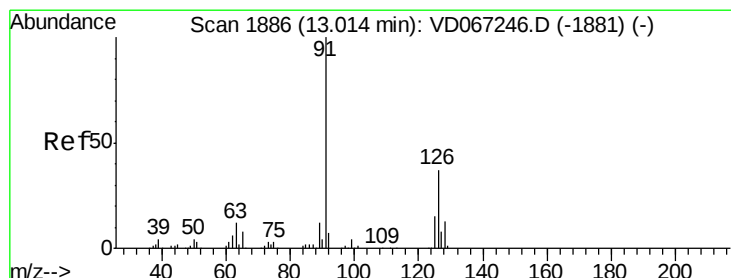
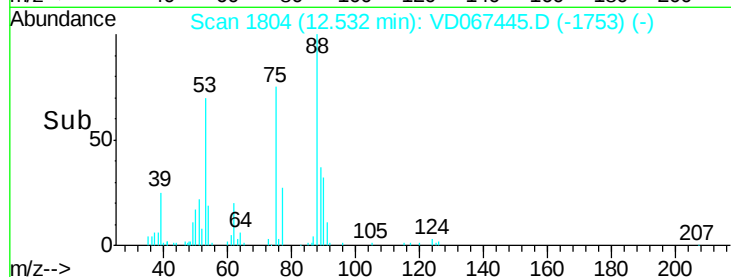
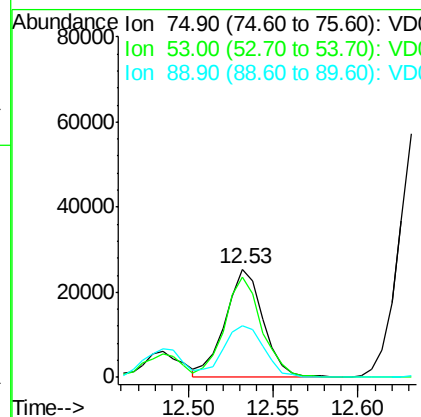
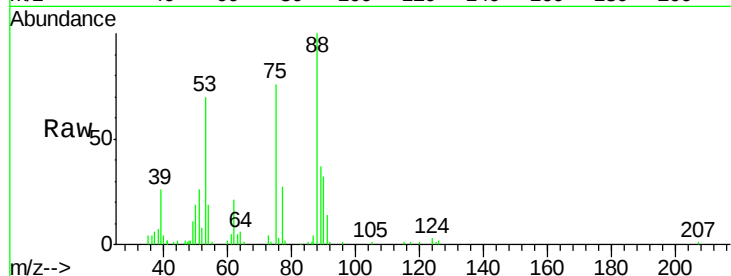
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	39724
Ion	Ratio	Lower	Upper
75	100		
53	90.8	78.5	117.7
89	51.7	39.9	59.9

Manual Integrations
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10/30/2020 1:34:51 PM



#82

4-Chlorotoluene

Concen: 55.825 ug/l

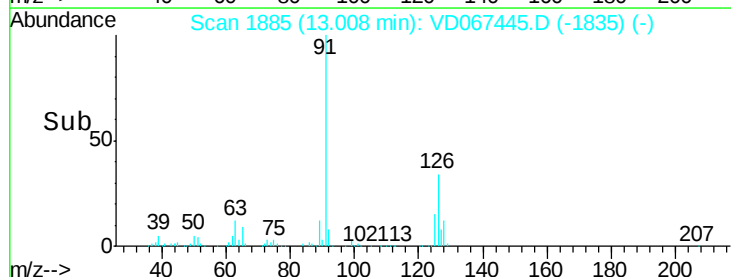
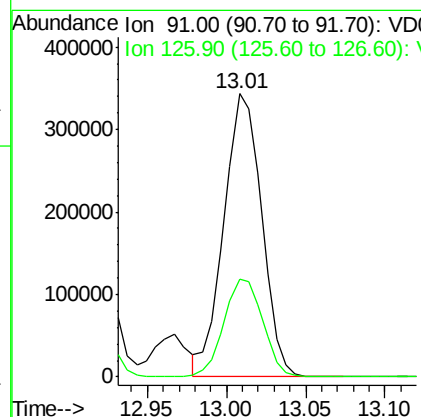
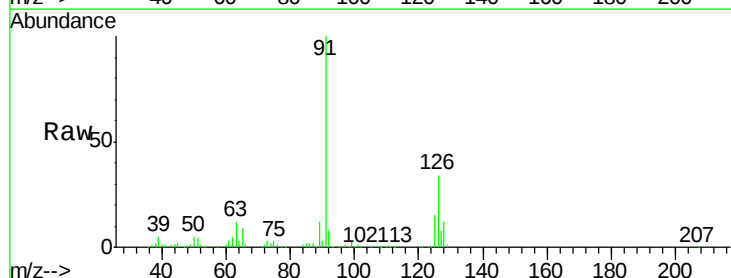
RT: 13.01 min Scan# 1885

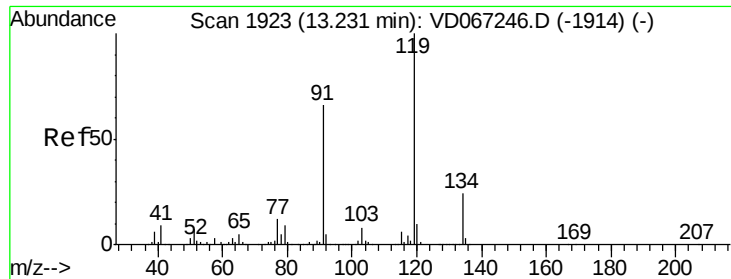
Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion:	91	Resp:	569945
Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.5





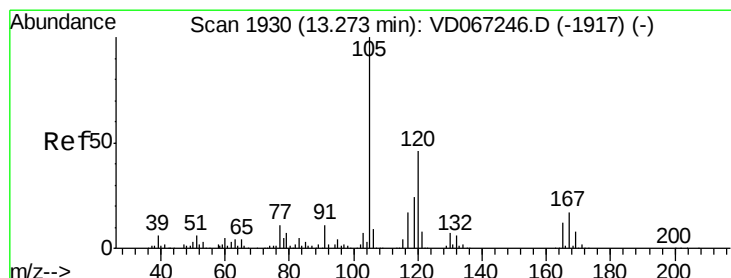
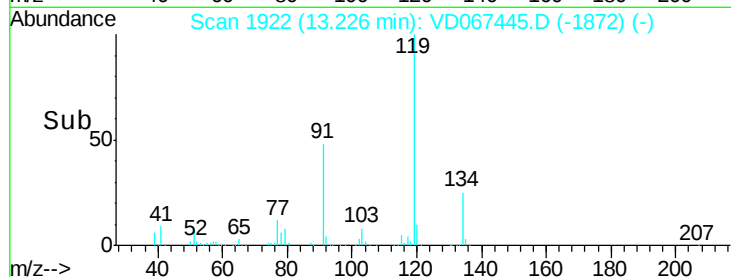
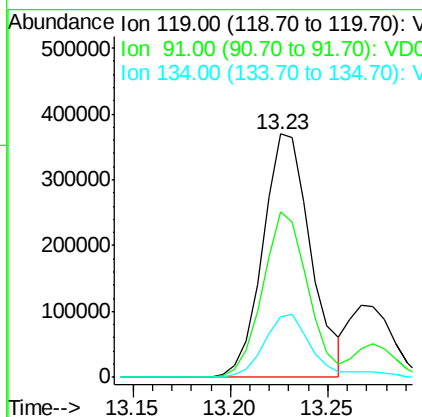
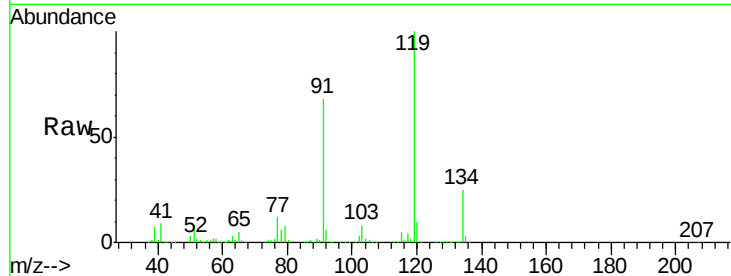
#83
tert-Butylbenzene
Concen: 59.699 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.1	33.1	99.2
134	26.4	13.3	39.9

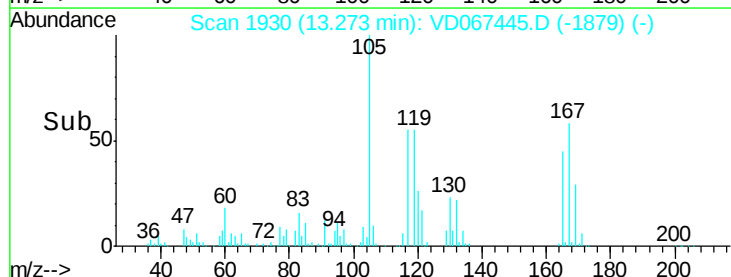
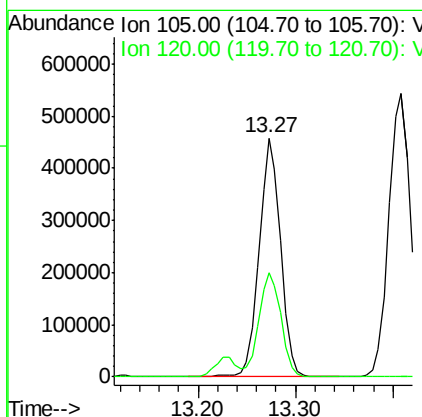
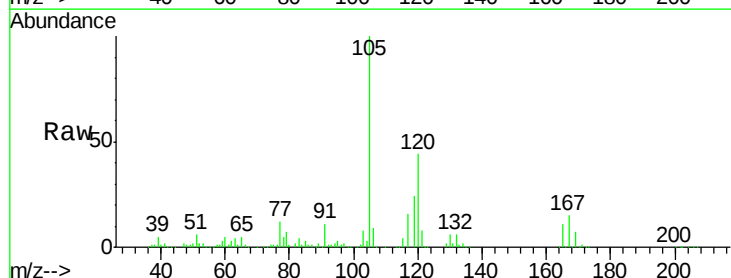
Manual Integrations
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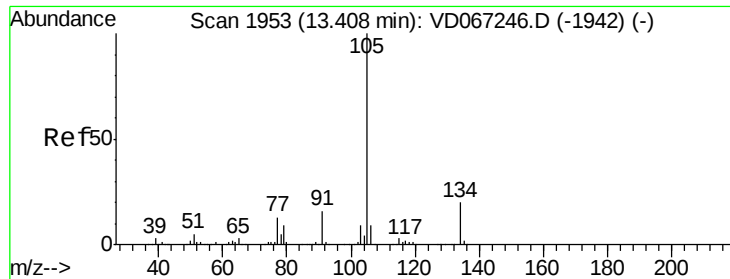
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#84
1,2,4-Trimethylbenzene
Concen: 57.669 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.0	22.4	67.3





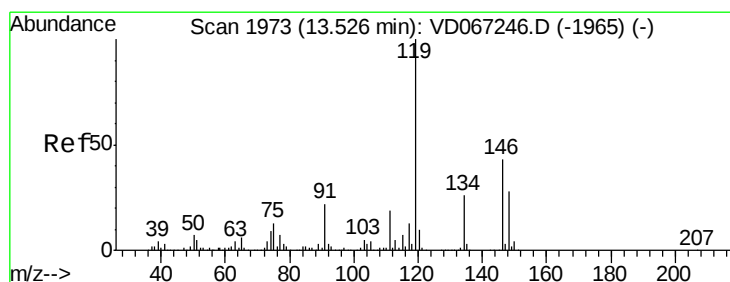
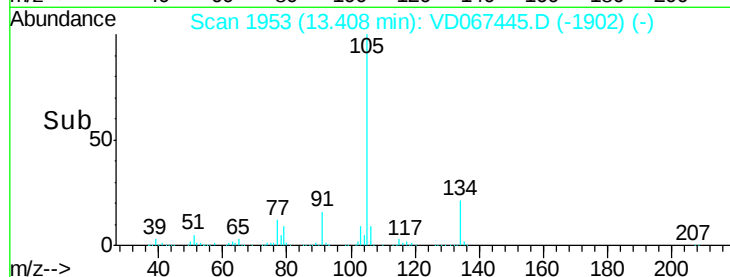
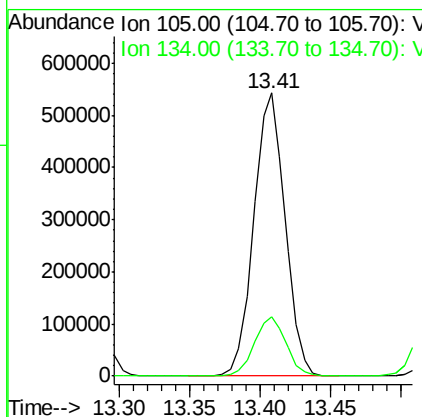
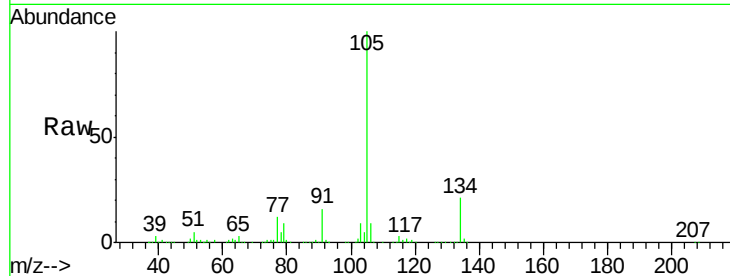
#85
 sec-Butylbenzene
 Concen: 58.668 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	21.0	10.5	31.5

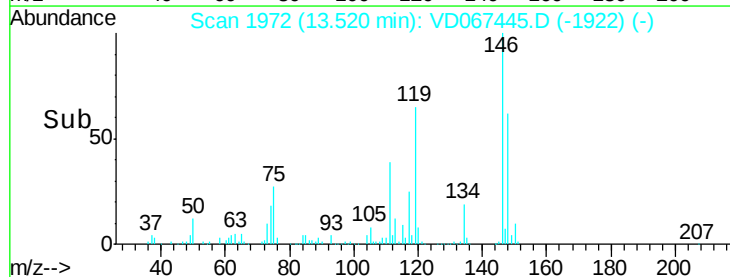
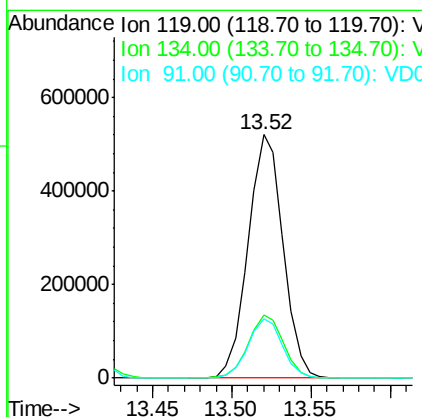
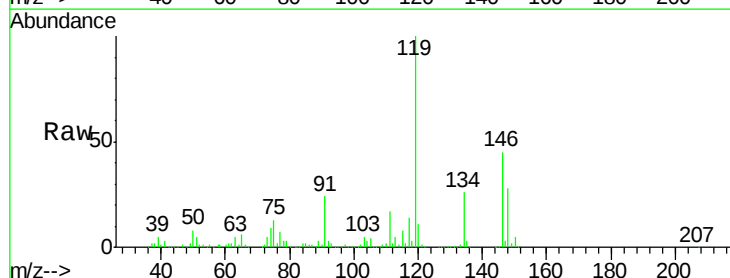
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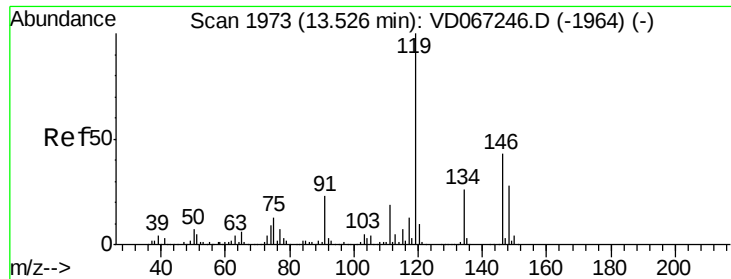
MMDadoda
 10/30/2020 1:34:51 PM



#86
 p-Isopropyltoluene
 Concen: 58.508 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.1	39.3
91	24.0	11.9	35.9





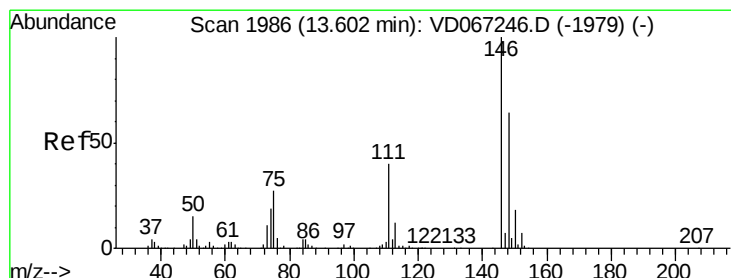
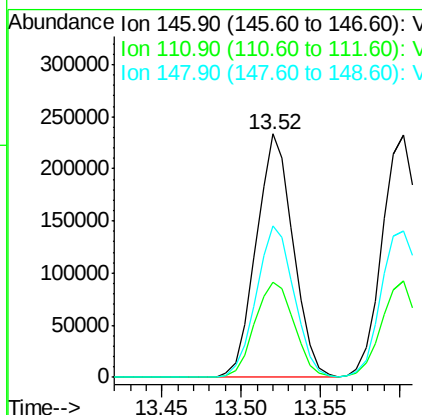
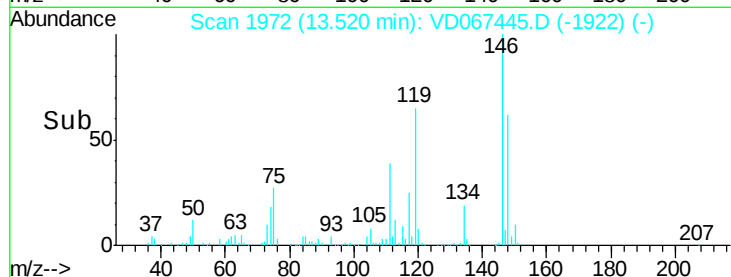
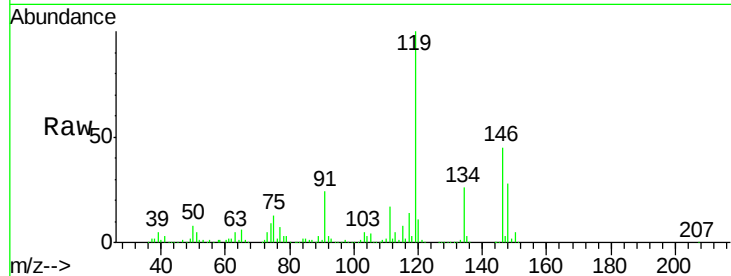
#87
 1,3-Dichlorobenzene
 Concen: 55.061 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100			
111	41.5	21.1	63.3	
148	63.7	31.9	95.9	

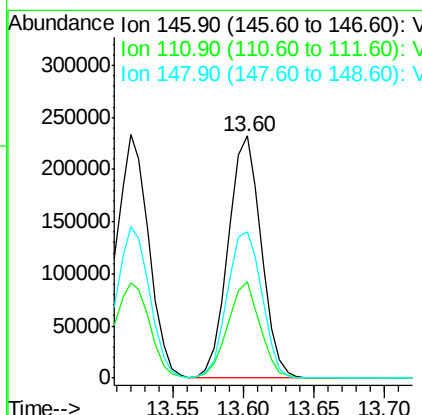
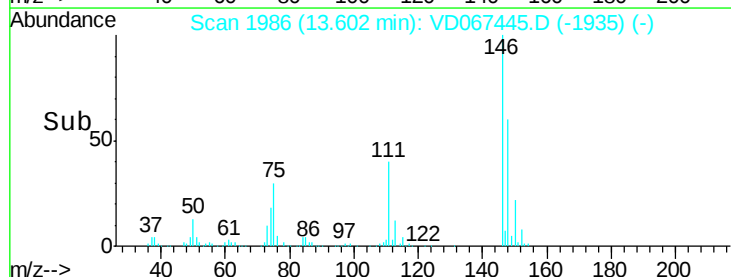
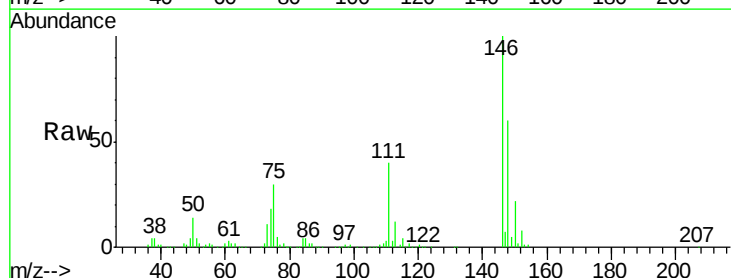
Manual Integrations
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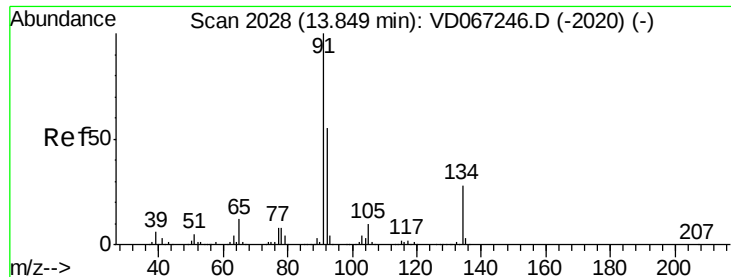
MMDadoda
 10/30/2020 1:34:51 PM



#88
 1,4-Dichlorobenzene
 Concen: 55.537 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Resp	Lower	Upper
146	100			
111	39.5	19.9	59.7	
148	63.6	31.9	95.9	





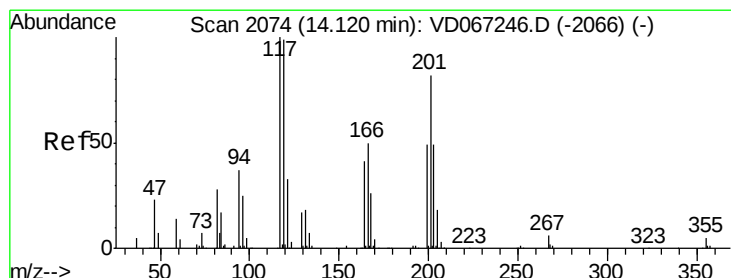
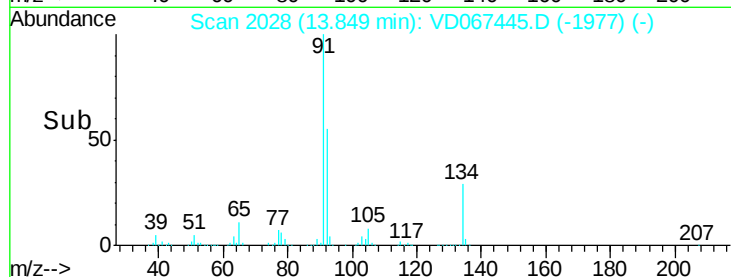
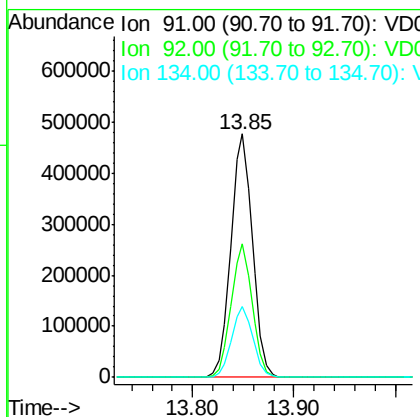
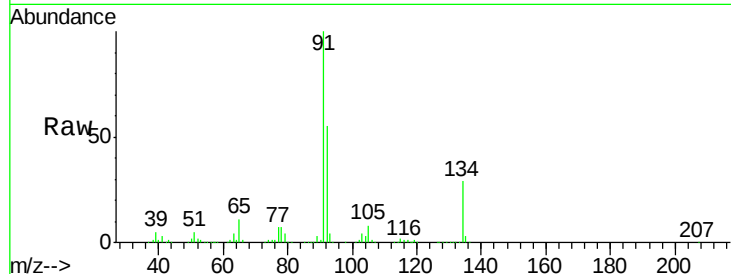
#89
n-Butylbenzene
Concen: 58.659 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	26.7	80.0
134	28.8	14.2	42.6

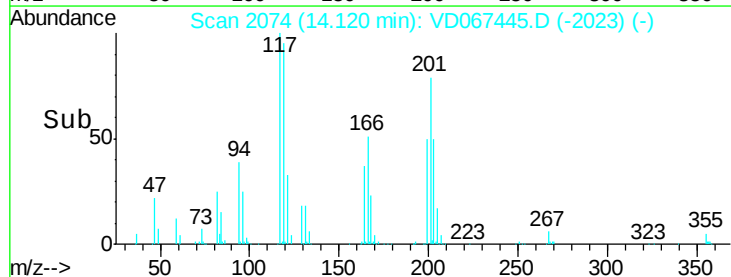
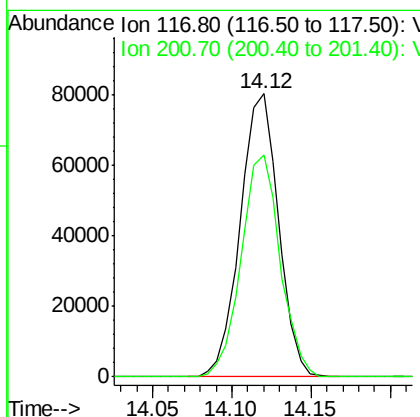
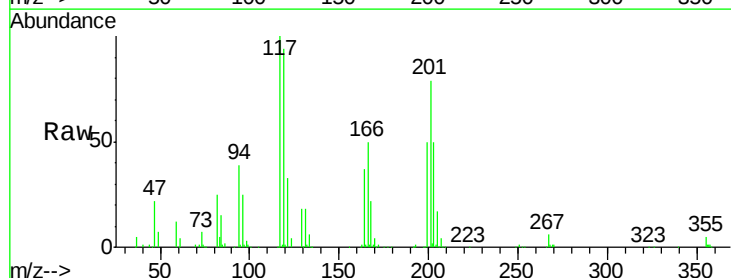
Manual Integrations
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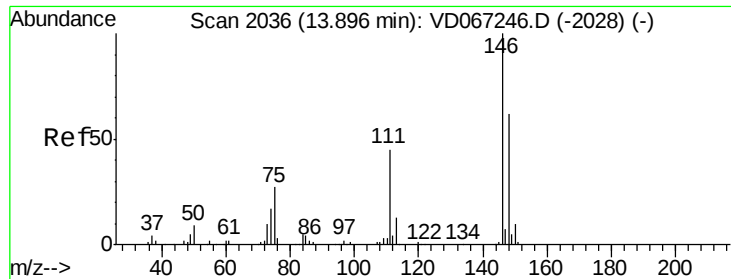
MMDadoda
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#90
Hexachloroethane
Concen: 56.814 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
117	100		
201	79.9	40.8	122.2





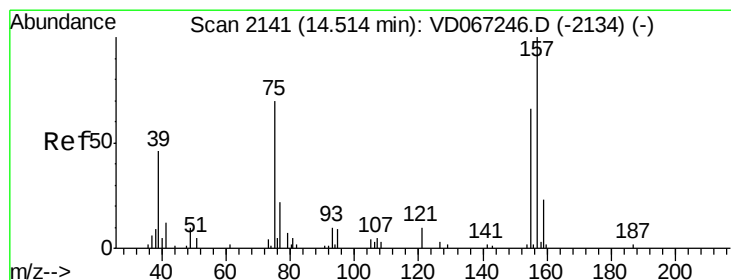
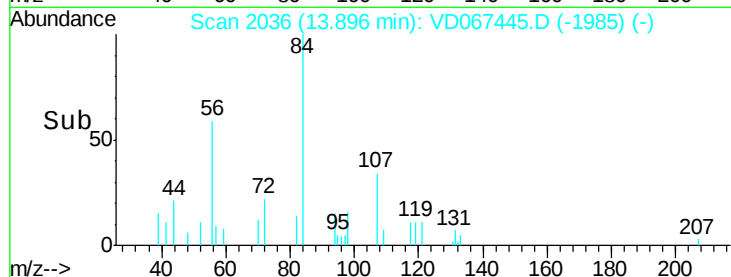
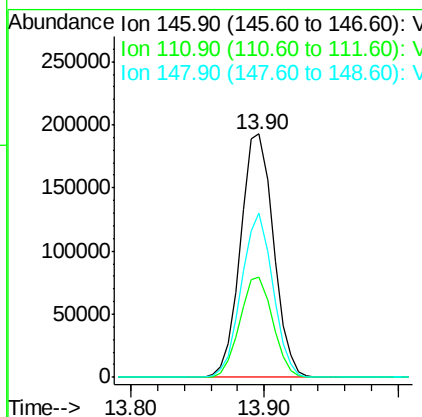
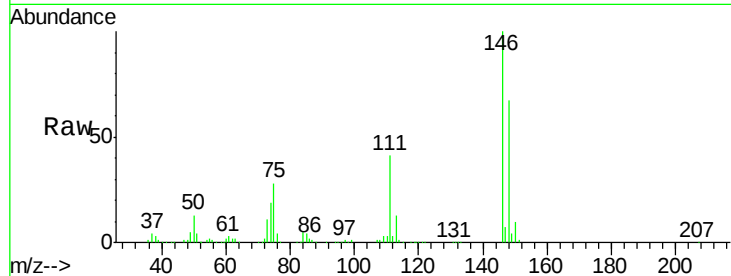
#91
 1,2-Dichlorobenzene
 Concen: 54.818 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	22.0	66.0
148	64.3	32.5	97.5

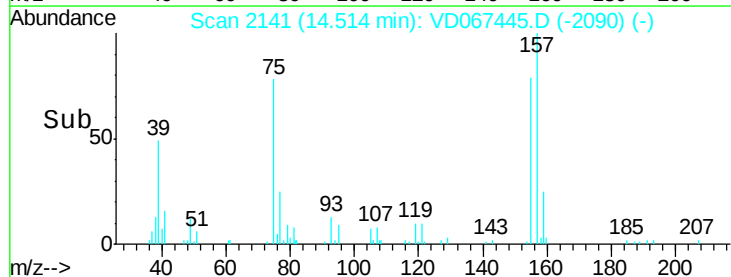
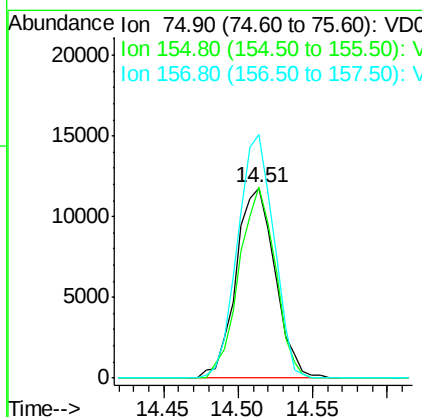
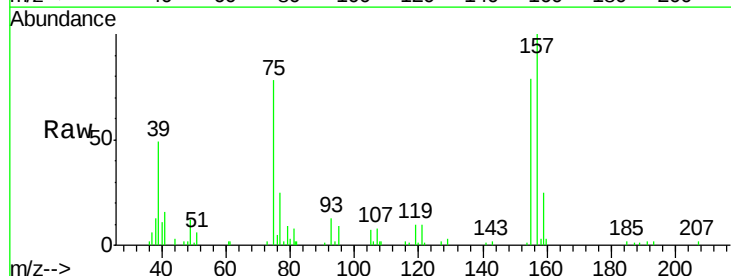
Manual Integrations
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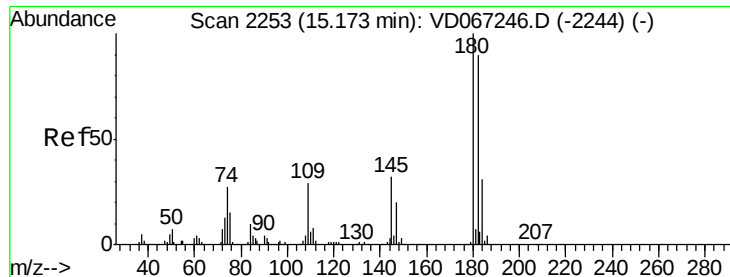
MMDadoda
 10/30/2020 1:34:51 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.727 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	44.8	134.4
157	118.6	62.5	187.4





#93

1,2,4-Trichlorobenzene

Concen: 58.514 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

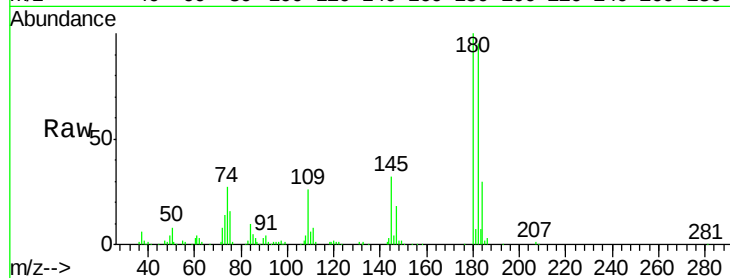
ClientSampleId :

VSTDCCC050

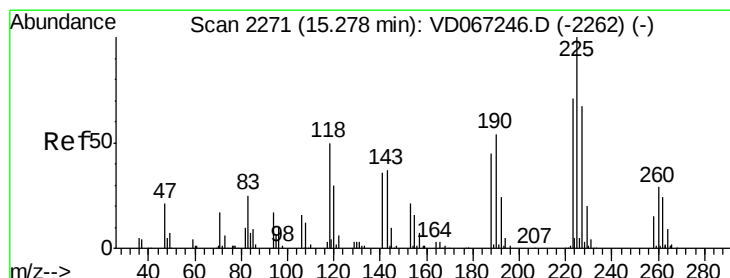
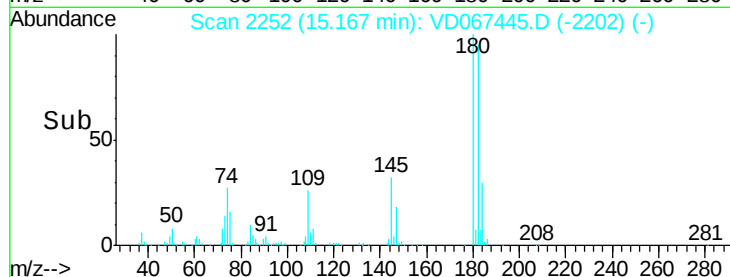
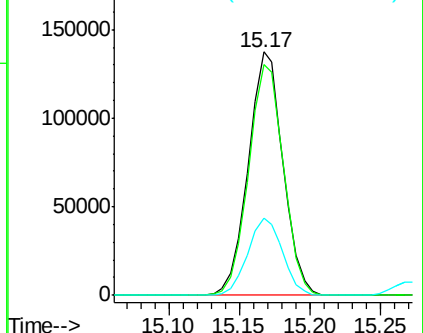
Tot Ion:	180	Resp:	236767
Ion Ratio	Lower	Upper	
180	100		
182	95.6	48.1	144.4
145	31.8	16.3	48.9

Manual Integrations
APPROVED

MMDadoda
10/30/2020 1:34:51 PM



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



#94

Hexachlorobutadiene

Concen: 59.798 ug/l

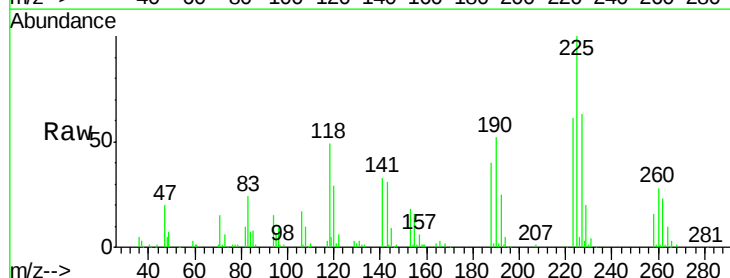
RT: 15.27 min Scan# 2270

Delta R.T. -0.01 min

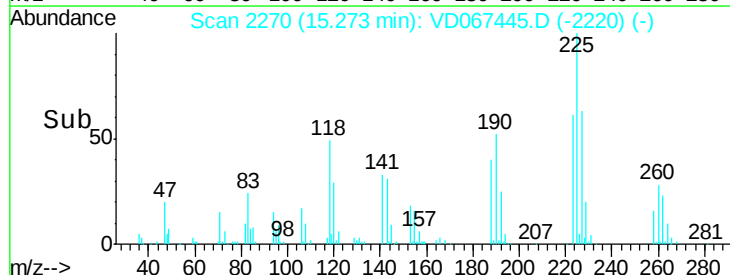
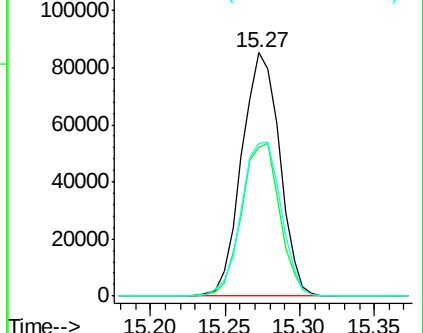
Lab File: VD067445.D

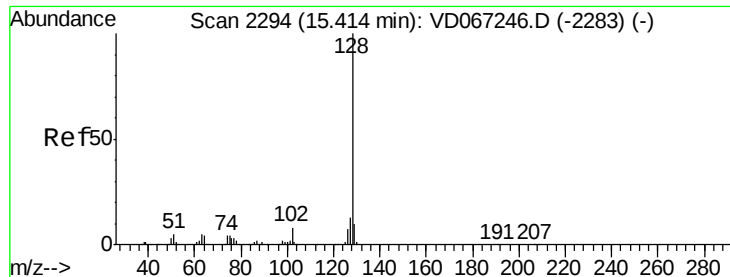
Acq: 29 Oct 2020 11:35

Tgt Ion:	225	Resp:	150257
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.9	95.7
227	66.1	31.2	93.6



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





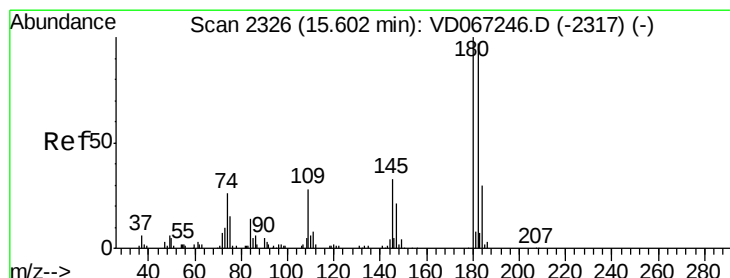
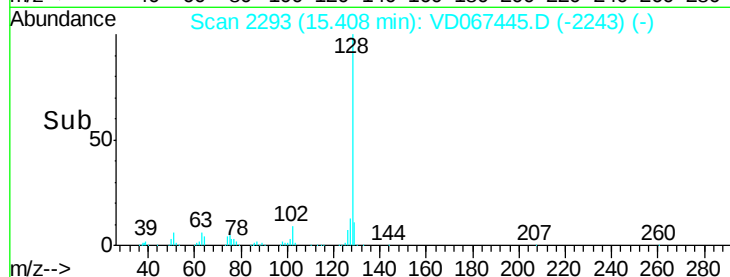
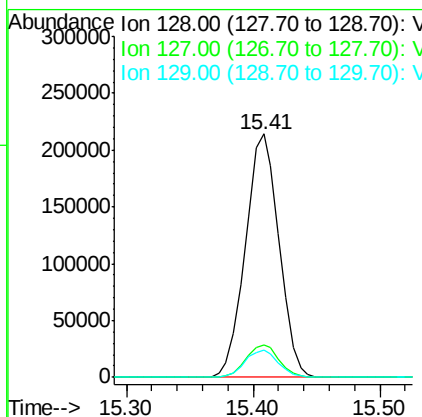
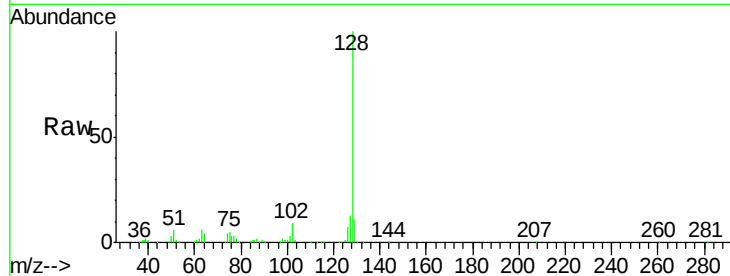
#95
Naphthalene
Concen: 59.428 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.2	8.6	12.8

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#96
1,2,3-Trichlorobenzene
Concen: 58.817 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.1	48.1	144.3
145	34.4	17.3	51.9

