

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111820\
 Data File : VD067676.D
 Acq On : 18 Nov 2020 10:53
 Operator : VA/SY
 Sample : VD1118SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/19/2020 11:07:03 AM

Quant Time: Nov 19 00:38:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	288372	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	417537	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	388369	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	193003	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	119123	47.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.48%	
35) Dibromofluoromethane	7.92	113	120782	48.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.02%	
50) Toluene-d8	10.34	98	414399	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
62) 4-Bromofluorobenzene	12.64	95	151920	49.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.54%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.99	85	56768	21.750	ug/l	97
3) Chloromethane	2.21	50	35318	19.668	ug/l	96
4) Vinyl Chloride	2.36	62	38272	19.116	ug/l	96
5) Bromomethane	2.76	94	32009	19.725	ug/l	98
6) Chloroethane	2.93	64	24472	19.826	ug/l	99
7) Trichlorofluoromethane	3.28	101	112614	21.724	ug/l	98
8) Diethyl Ether	3.71	74	21915	20.980	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	55493	21.207	ug/l	99
10) Methyl Iodide	4.30	142	53140	18.948	ug/l	99
11) Tert butyl alcohol	5.21	59	22167	199.958	ug/l #	95
12) 1,1-Dichloroethene	4.08	96	49236	20.456	ug/l	94
13) Acrolein	3.93	56	4697	65.561	ug/l	84
14) Allyl chloride	4.72	41	50953	19.780	ug/l	95
15) Acrylonitrile	5.43	53	40603	105.155	ug/l	99
16) Acetone	4.16	43	34235	90.730	ug/l	97
17) Carbon Disulfide	4.41	76	140074	18.992	ug/l #	89
18) Methyl Acetate	4.73	43	16445	21.091	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	100063	21.076	ug/l #	92
20) Methylene Chloride	4.97	84	59973	22.501	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	56726	20.235	ug/l	94
22) Diisopropyl ether	6.37	45	107518	21.418	ug/l	97
23) Vinyl Acetate	6.31	43	271143	103.188	ug/l	99
24) 1,1-Dichloroethane	6.27	63	85257	20.760	ug/l	97
25) 2-Butanone	7.21	43	41415	102.720	ug/l	91
26) 2,2-Dichloropropane	7.21	77	95157	21.955	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	60686	20.856	ug/l	94
28) Bromochloromethane	7.55	49	28121	19.251	ug/l	100
29) Tetrahydrofuran	7.57	42	24033	99.512	ug/l	99
30) Chloroform	7.71	83	109919	22.436	ug/l	96
31) Cyclohexane	7.99	56	70196	19.194	ug/l #	93
32) 1,1,1-Trichloroethane	7.91	97	111601	22.077	ug/l	98
36) 1,1-Dichloropropene	8.11	75	77143	21.584	ug/l	99
37) Ethyl Acetate	7.30	43	19334	20.837	ug/l #	77
38) Carbon Tetrachloride	8.10	117	108893	23.450	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	89189	21.202	ug/l	95
40) Benzene	8.36	78	218490	22.568	ug/l	98
41) Methacrylonitrile	7.53	41	8826	15.913	ug/l #	61
42) 1,2-Dichloroethane	8.43	62	66811	22.336	ug/l	98
43) Isopropyl Acetate	8.46	43	38313	20.878	ug/l	99
44) Trichloroethene	9.11	130	68474	21.511	ug/l	89
45) 1,2-Dichloropropane	9.39	63	46024	21.988	ug/l	96
46) Dibromomethane	9.48	93	28860	21.685	ug/l	96
47) Bromodichloromethane	9.67	83	81274	22.468	ug/l #	93
48) Methyl methacrylate	9.46	41	20362	21.490	ug/l	97
49) 1,4-Dioxane	9.46	88	5536	409.748	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	97058	110.591	ug/l	100
52) Toluene	10.41	92	147236	22.706	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	69538	22.445	ug/l	92
54) cis-1,3-Dichloropropene	10.10	75	81683	22.191	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	40394	22.939	ug/l	97
56) Ethyl methacrylate	10.67	69	39034	21.466	ug/l	95
57) 1,3-Dichloropropane	10.95	76	63266	22.327	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	82594	97.399	ug/l	97
59) 2-Hexanone	10.99	43	62899	102.501	ug/l	99
60) Dibromochloromethane	11.14	129	58773	22.563	ug/l	100
61) 1,2-Dibromoethane	11.25	107	38855	21.985	ug/l	100
64) Tetrachloroethene	10.88	164	61245	21.293	ug/l	96
65) Chlorobenzene	11.67	112	163183	21.813	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	65831	22.327	ug/l	98
67) Ethyl Benzene	11.75	91	279144	21.805	ug/l	96
68) m/p-Xylenes	11.86	106	223880	44.952	ug/l	100
69) o-Xylene	12.18	106	97879	22.012	ug/l	99
70) Styrene	12.20	104	170195	21.966	ug/l	98
71) Bromoform	12.37	173	35034	23.297	ug/l #	99
73) Isopropylbenzene	12.48	105	281839	22.595	ug/l	100
74) N-amyl acetate	12.29	43	34286	20.889	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	36991	21.748	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	19247m	16.531	ug/l	
77) Bromobenzene	12.77	156	67962	22.186	ug/l	98
78) n-propylbenzene	12.83	91	321850	22.558	ug/l	99
79) 2-Chlorotoluene	12.91	91	187121	23.088	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	242567	22.765	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	11876	20.709	ug/l	96
82) 4-Chlorotoluene	13.01	91	198399	22.825	ug/l	100
83) tert-Butylbenzene	13.23	119	205552	22.762	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	242473	22.861	ug/l	97
85) sec-Butylbenzene	13.41	105	280054	22.973	ug/l	99
86) p-Isopropyltoluene	13.52	119	267360	22.711	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	132672	22.697	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	127804	21.593	ug/l	96
89) n-Butylbenzene	13.85	91	219374	21.574	ug/l	98
90) Hexachloroethane	14.12	117	48099	21.696	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	113410	22.418	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	6580	21.850	ug/l	97

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VD1118SBS01

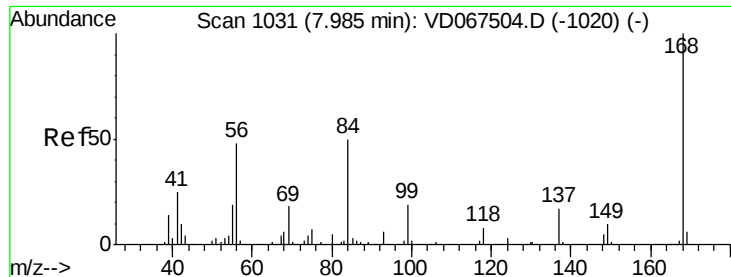
Manual Integrations
APPROVED

MMDadoda
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	77511	22.575	ug/l	94
94) Hexachlorobutadiene	15.27	225	50188	21.840	ug/l	96
95) Naphthalene	15.41	128	109447	20.655	ug/l	100
96) 1,2,3-Trichlorobenzene	15.60	180	61731	20.995	ug/l	99

(#) = 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: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:168 Resp: 288372

Ion Ratio Lower Upper

168 100

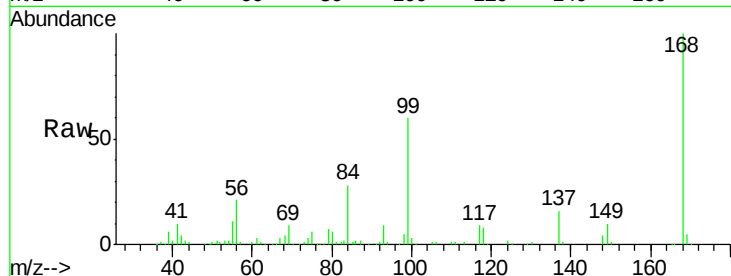
99 60.1 45.0 67.6

Manual Integrations

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11/19/2020 11:07:03 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

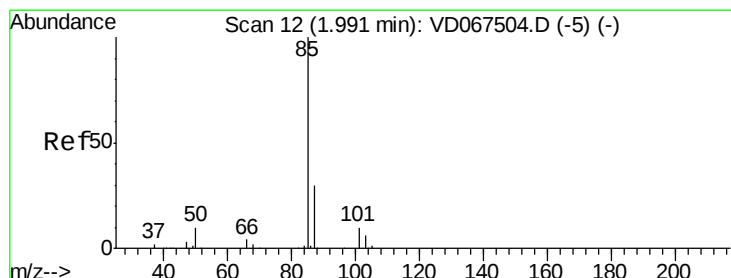
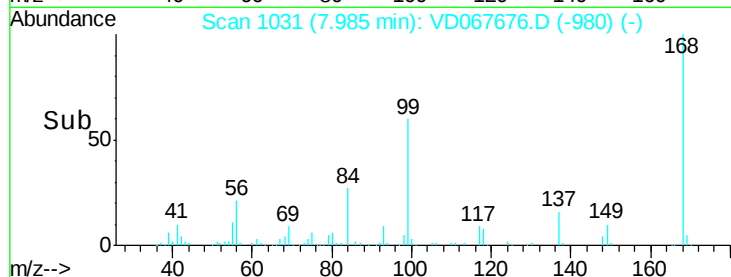
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 21.750 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067676.D

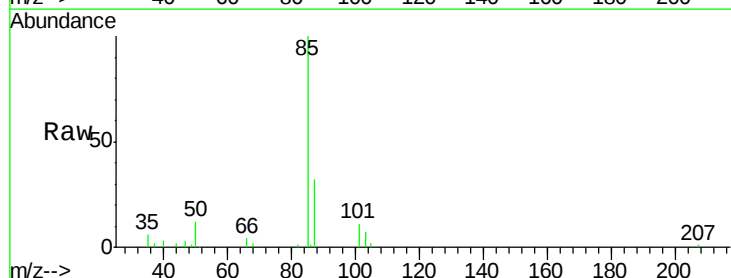
Acq: 18 Nov 2020 10:53

Tgt Ion: 85 Resp: 56768

Ion Ratio Lower Upper

85 100

87 32.0 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

50000

40000

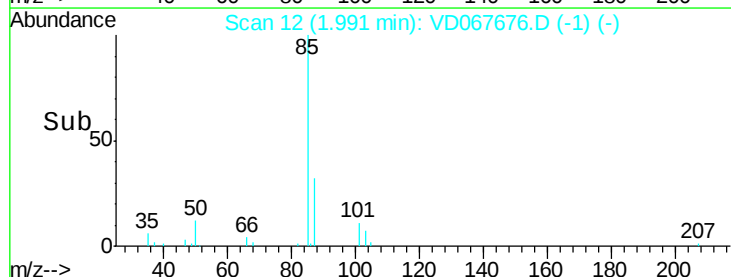
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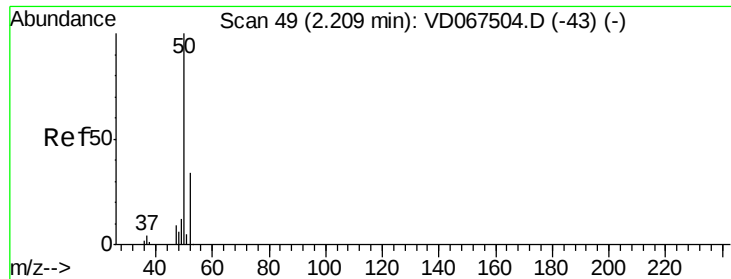
20000

10000

0

Time-->





#3

Chloromethane

Concen: 19.668 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 50 Resp: 35318

Ion Ratio Lower Upper

50 100

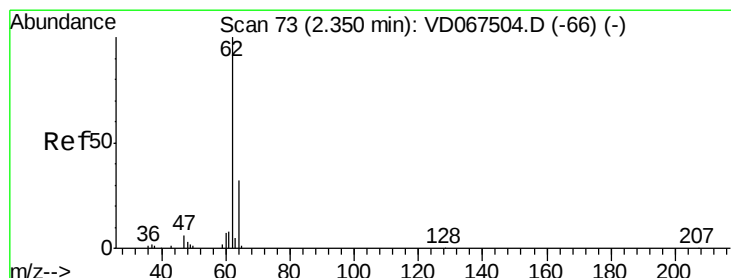
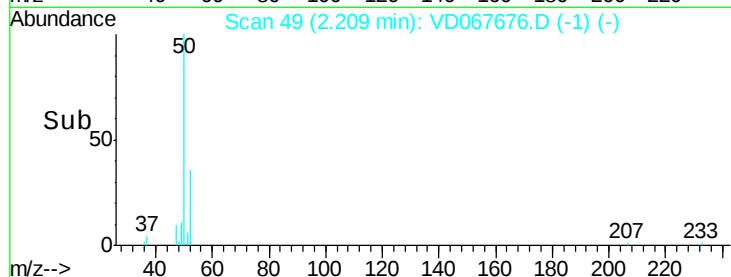
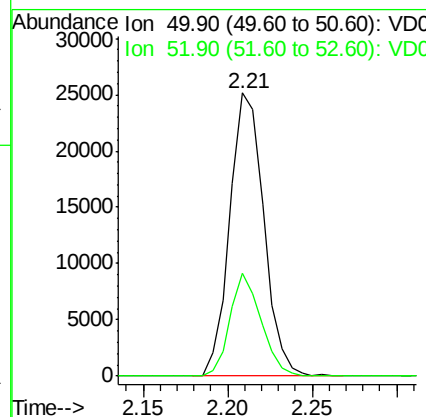
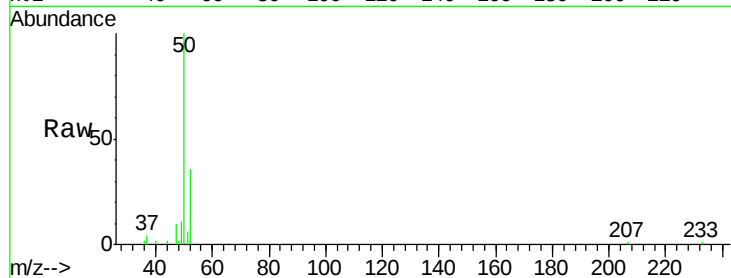
52 36.2 27.3 40.9

Manual Integrations

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11/19/2020 11:07:03 AM



#4

Vinyl Chloride

Concen: 19.116 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD067676.D

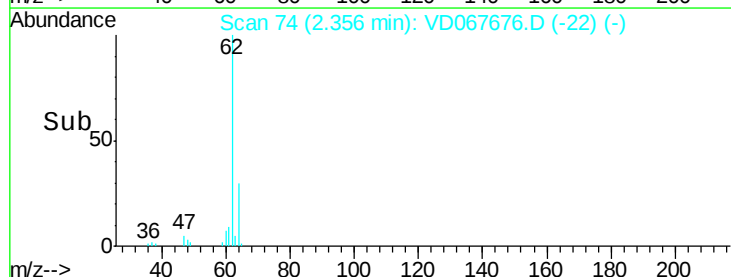
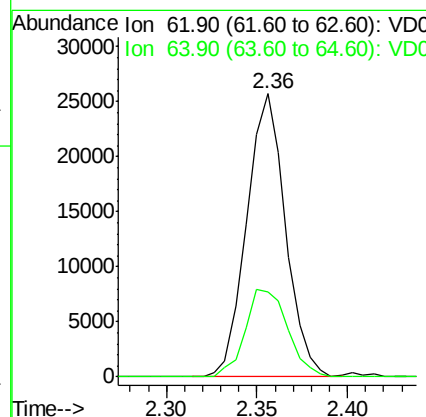
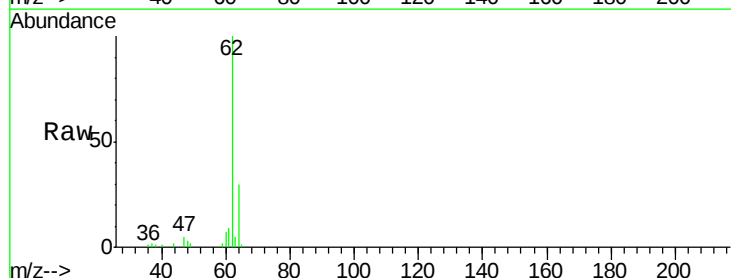
Acq: 18 Nov 2020 10:53

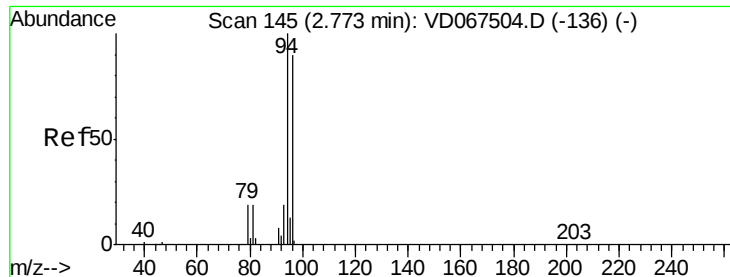
Tgt Ion: 62 Resp: 38272

Ion Ratio Lower Upper

62 100

64 30.0 25.6 38.4





#5

Bromomethane

Concen: 19.725 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 94 Resp: 32009

Ion Ratio Lower Upper

94 100

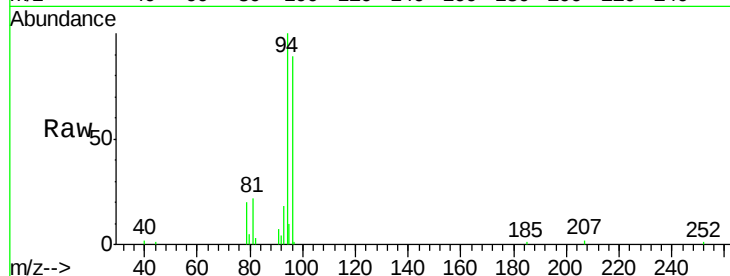
96 88.6 72.2 108.2

Manual Integrations

APPROVED

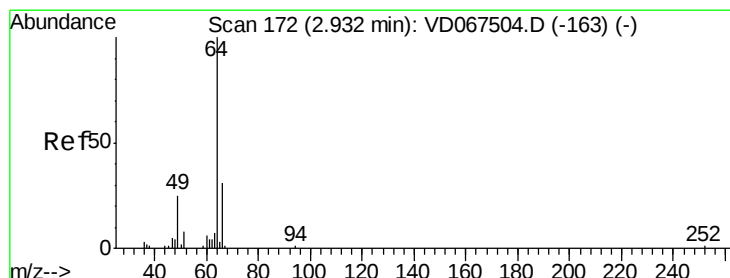
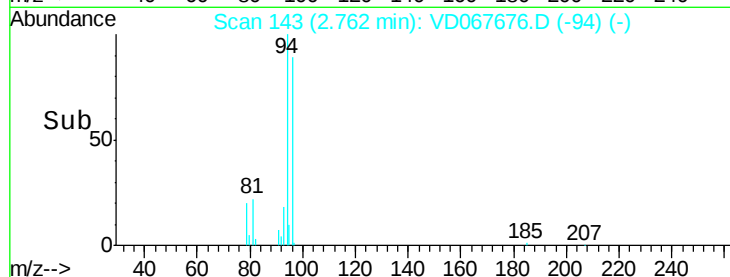
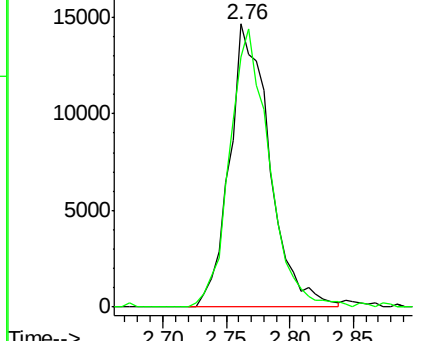
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 19.826 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067676.D

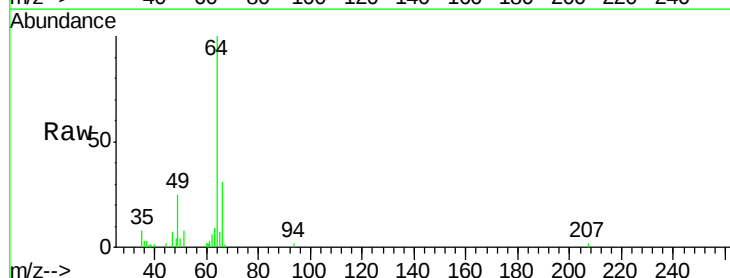
Acq: 18 Nov 2020 10:53

Tgt Ion: 64 Resp: 24472

Ion Ratio Lower Upper

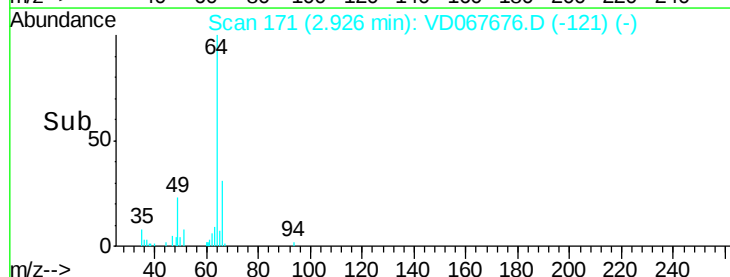
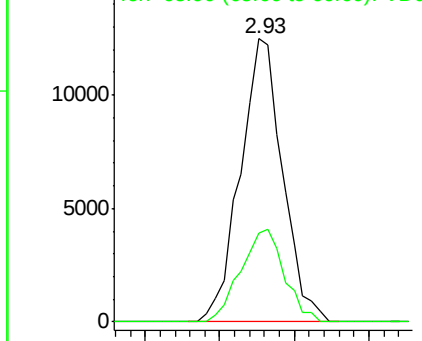
64 100

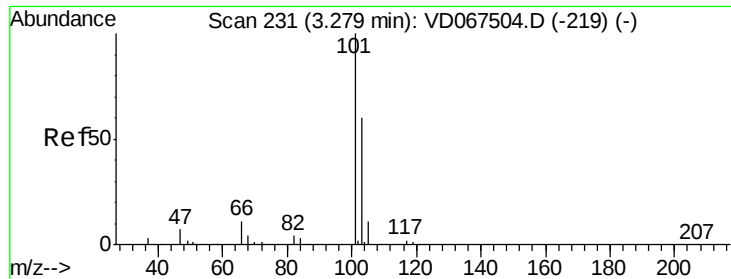
66 31.3 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

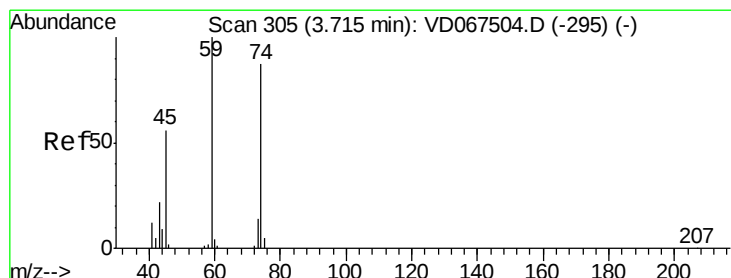
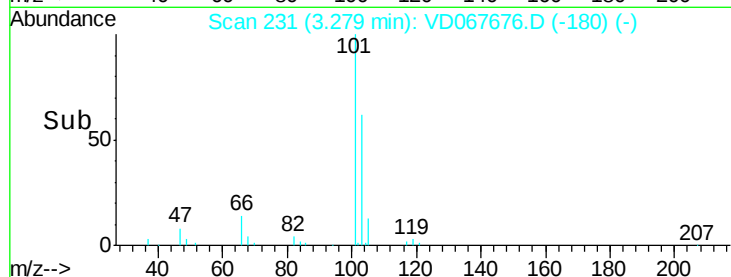
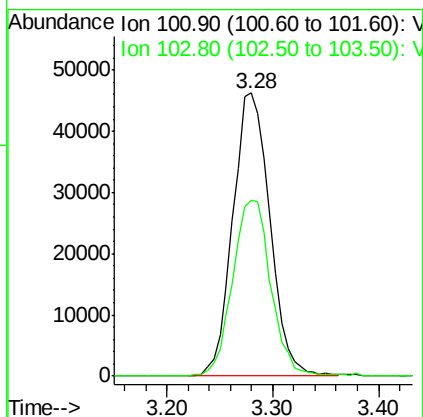
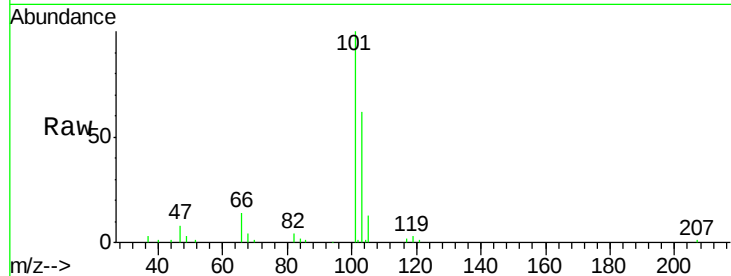
Trichlorofluoromethane
Concen: 21.724 ug/l
RT: 3.28 min Scan# 231
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

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ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.9	48.1	72.1

Manual Integrations
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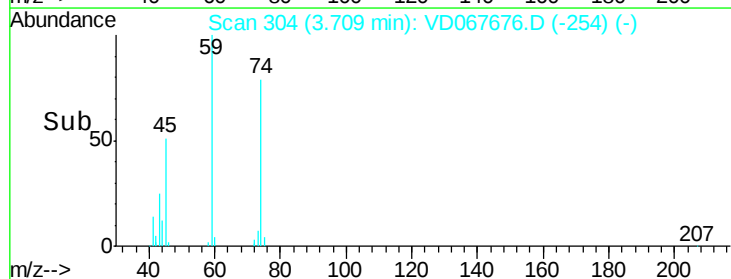
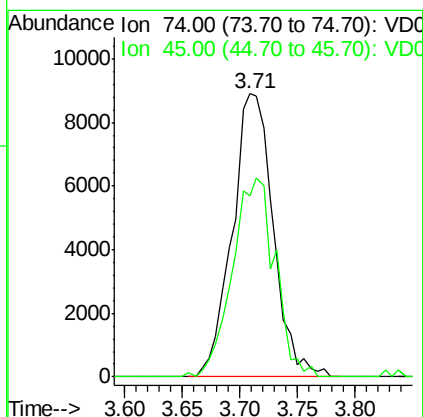
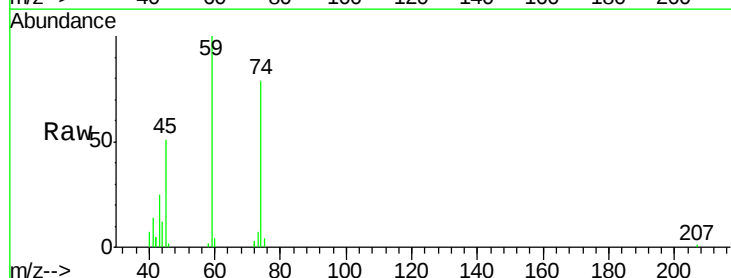
MMDadoda
11/19/2020 11:07:03 AM

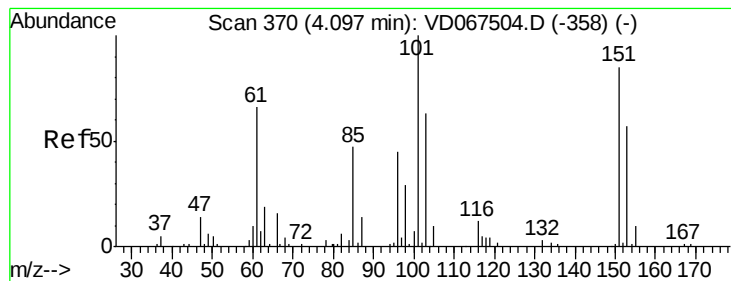


#8

Diethyl Ether
Concen: 20.980 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	73.3	38.2	114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.207 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

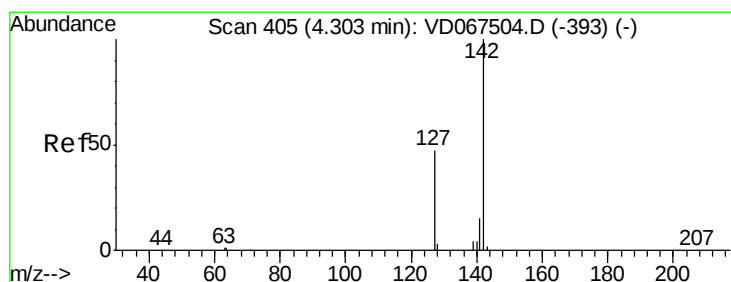
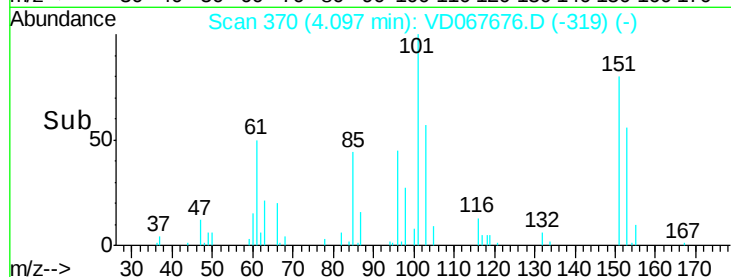
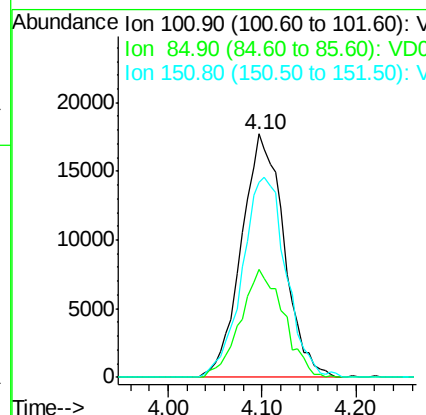
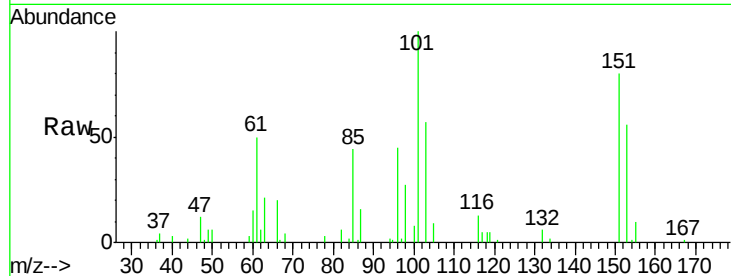
ClientSampleId :

VD1118SBS01

Tot Ion:	101	Resp:	55493
Ion Ratio	Lower	Upper	
101	100		
85	45.0	34.4	51.6
151	84.7	68.1	102.1

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#10

Methyl Iodide

Concen: 18.948 ug/l

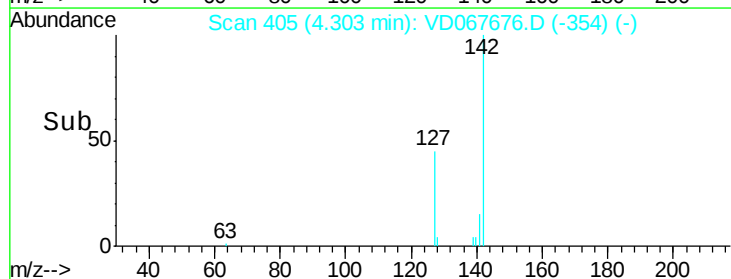
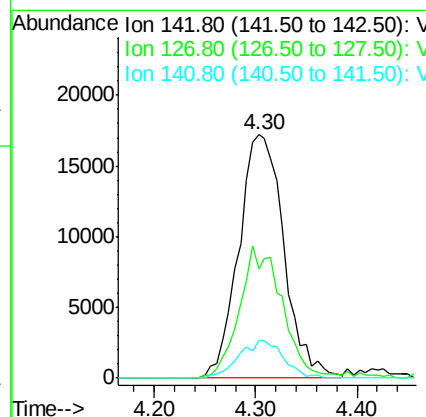
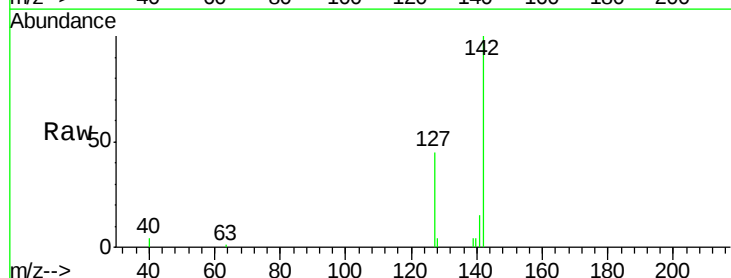
RT: 4.30 min Scan# 405

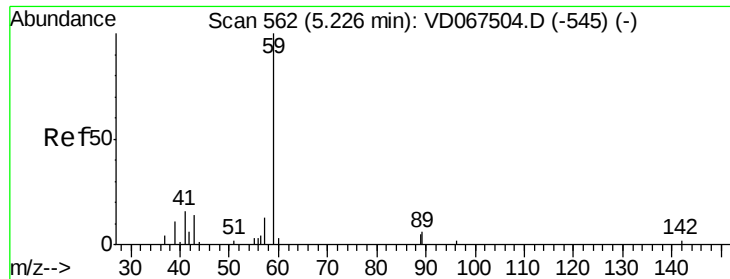
Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Tgt Ion:	142	Resp:	53140
Ion Ratio	Lower	Upper	
142	100		
127	50.7	40.0	60.0
141	15.3	11.7	17.5





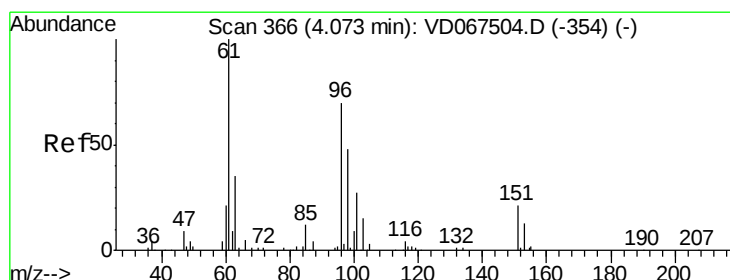
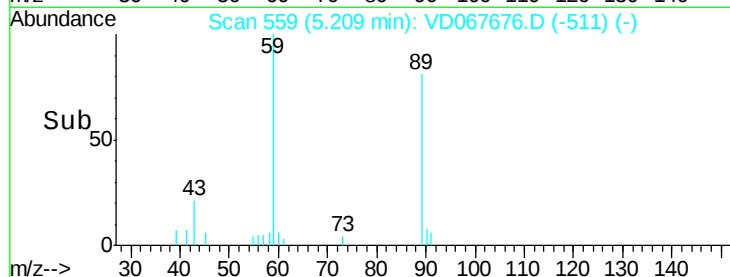
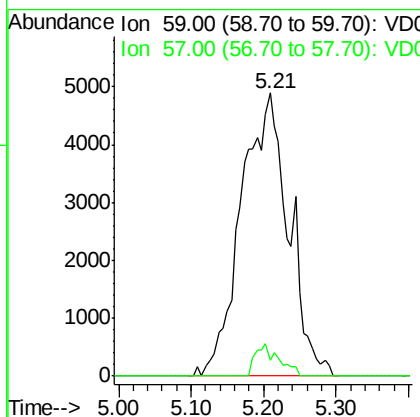
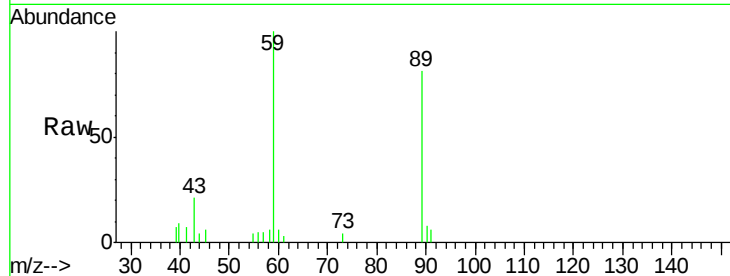
#11
Tert butyl alcohol
Concen: 199.958 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 59 Resp: 22167
Ion Ratio Lower Upper
59 100
57 5.5 5.9 8.9#

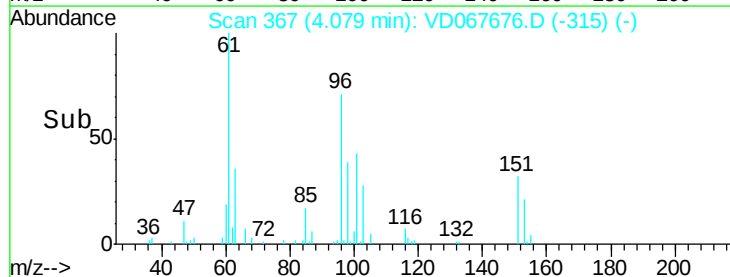
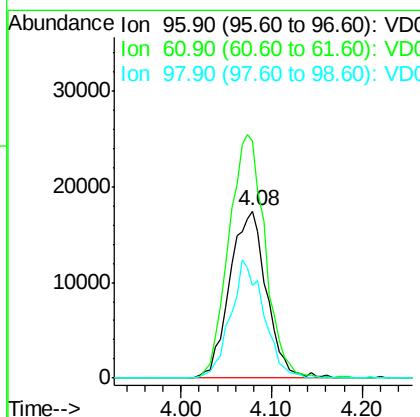
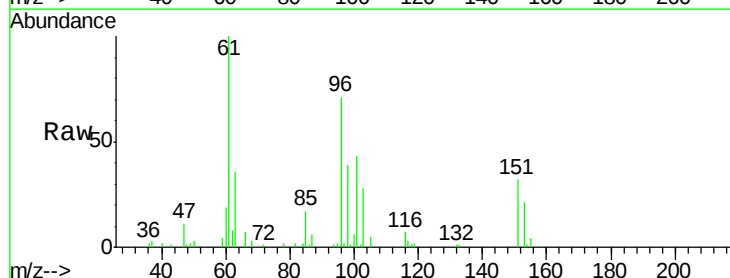
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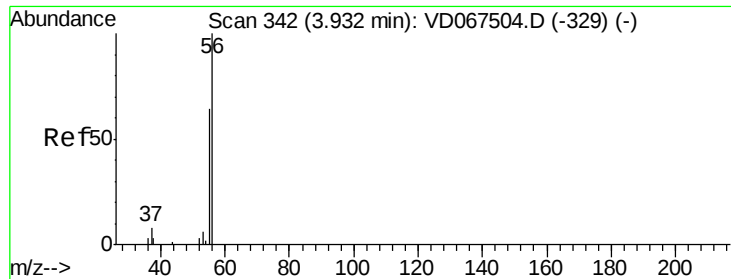
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.456 ug/l
RT: 4.08 min Scan# 367
Delta R.T. 0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion: 96 Resp: 49236
Ion Ratio Lower Upper
96 100
61 141.8 114.5 171.7
98 55.1 54.5 81.7





#13

Acrolein

Concen: 65.561 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 56 Resp: 4697

Ion Ratio Lower Upper

56 100

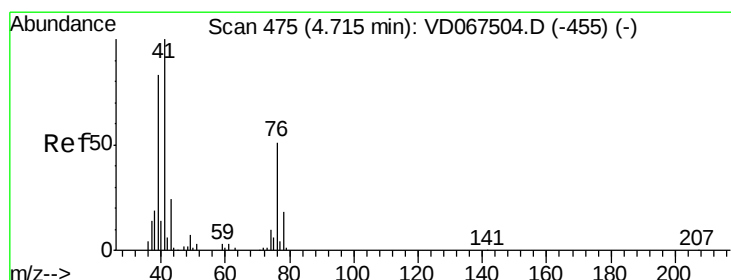
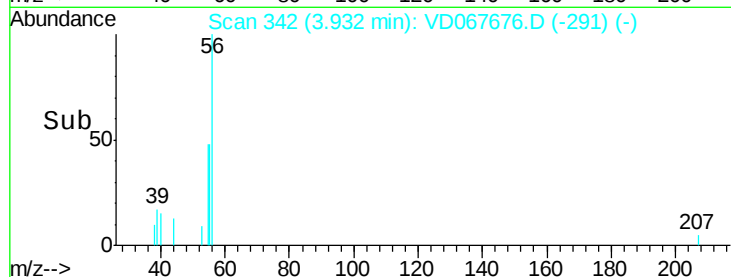
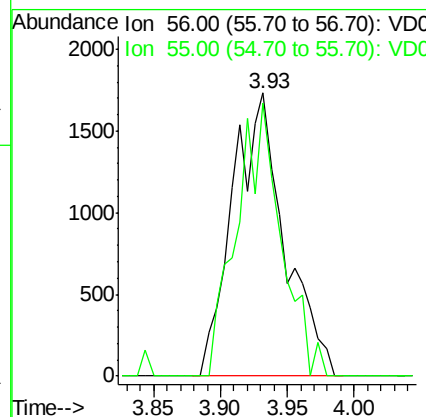
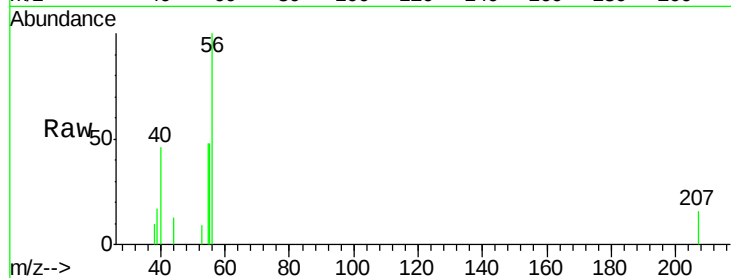
55 82.5 55.8 83.8

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#14

Allyl chloride

Concen: 19.780 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

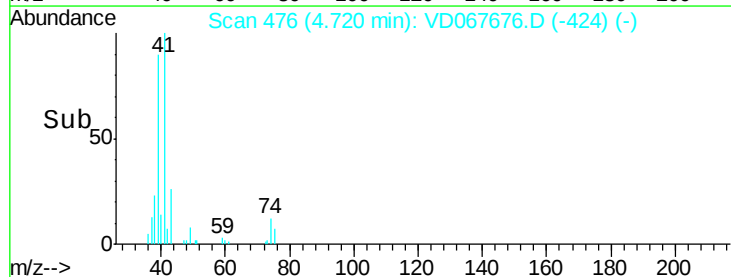
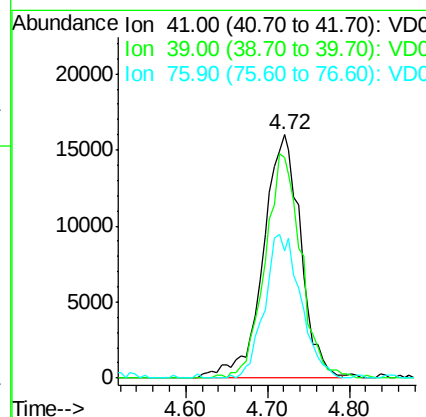
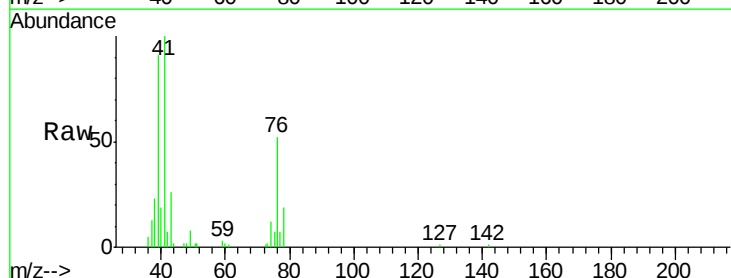
Tgt Ion: 41 Resp: 50953

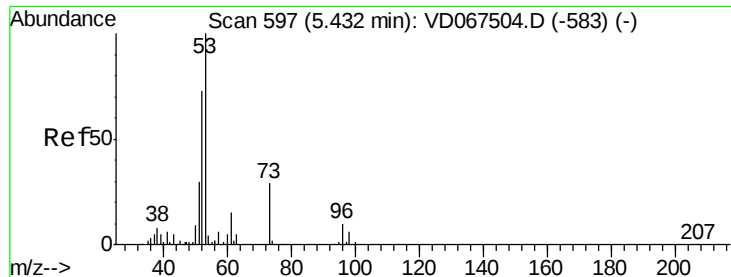
Ion Ratio Lower Upper

41 100

39 88.2 67.4 101.0

76 56.8 42.2 63.2





#15

Acrylonitrile

Concen: 105.155 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

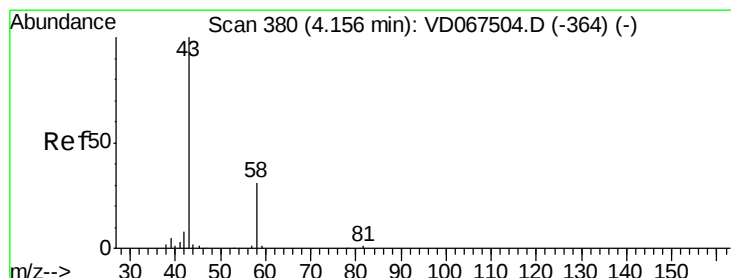
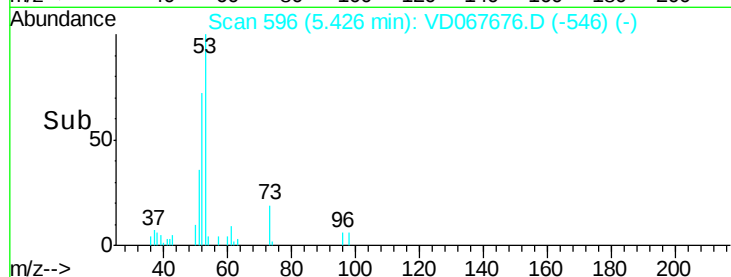
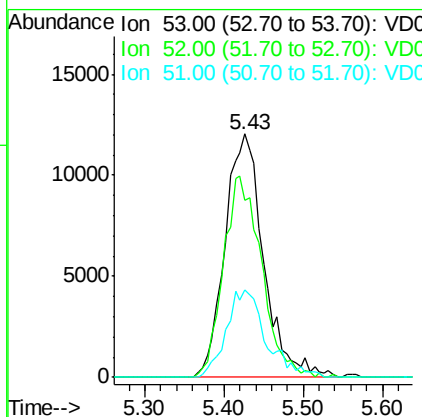
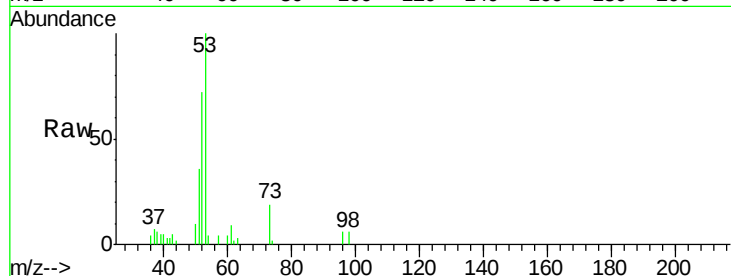
ClientSampleId :

VD1118SBS01

Tot Ion:	53	Resp:	40603
Ion Ratio	Lower	Upper	
53	100		
52	81.7	64.8	97.2
51	36.9	29.5	44.3

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#16

Acetone

Concen: 90.730 ug/l

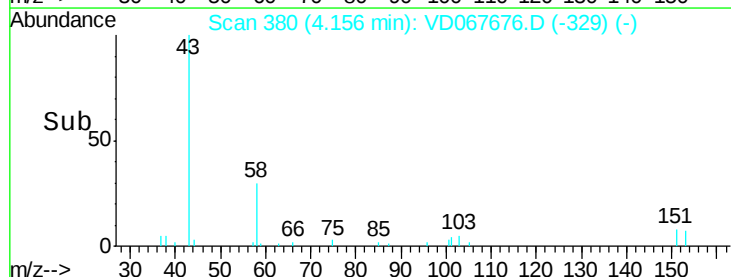
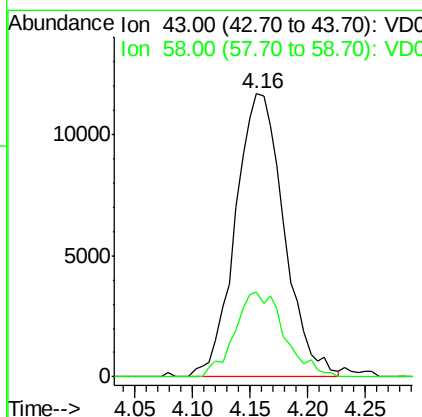
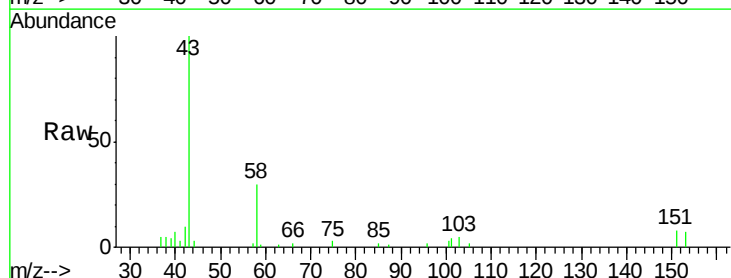
RT: 4.16 min Scan# 380

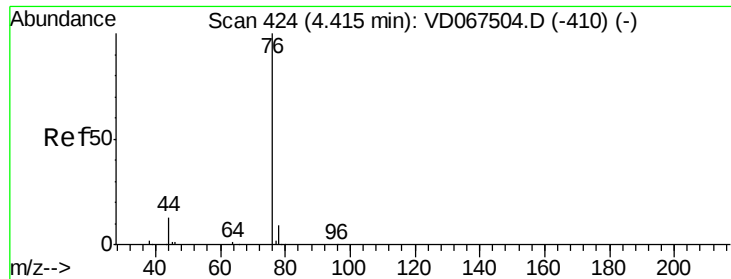
Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Tgt Ion:	43	Resp:	34235
Ion Ratio	Lower	Upper	
43	100		
58	29.9	25.2	37.8





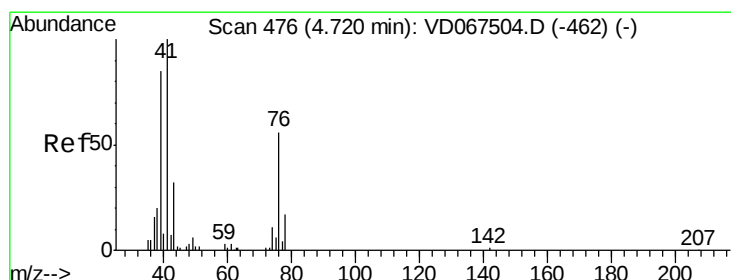
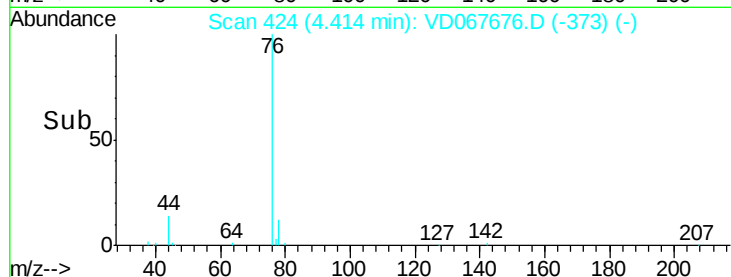
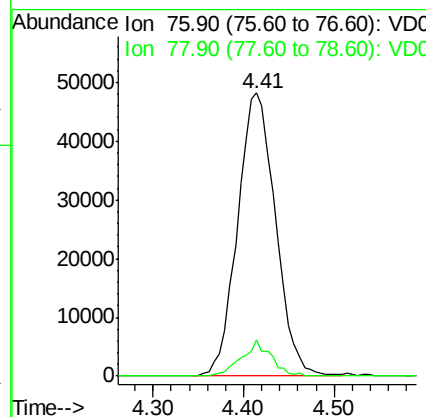
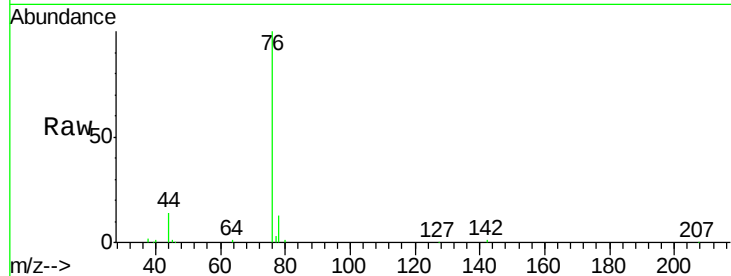
#17
Carbon Disulfide
Concen: 18.992 ug/l
RT: 4.41 min Scan# 424
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 76 Resp: 140074
Ion Ratio Lower Upper
76 100
78 12.8 7.2 10.8#

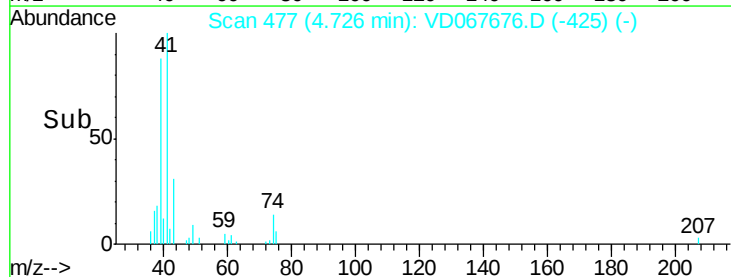
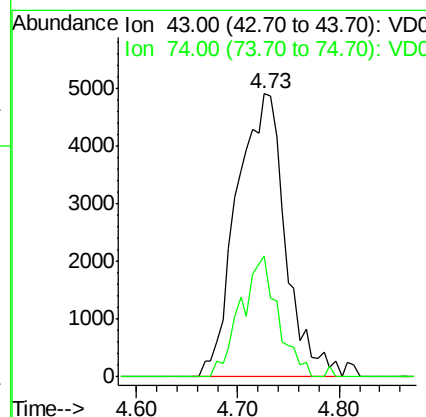
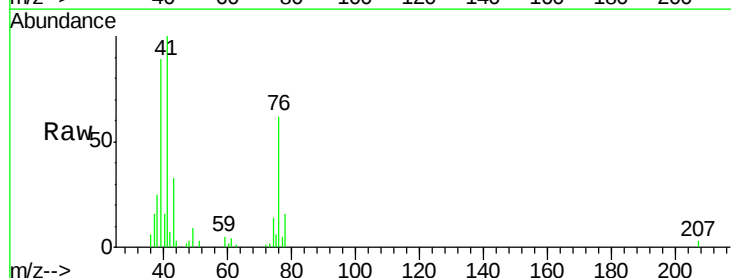
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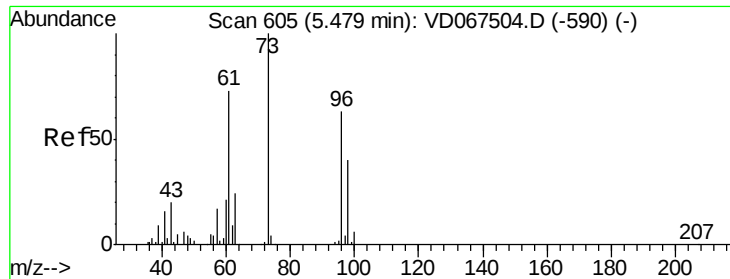
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#18
Methyl Acetate
Concen: 21.091 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion: 43 Resp: 16445
Ion Ratio Lower Upper
43 100
74 32.5 27.2 40.8





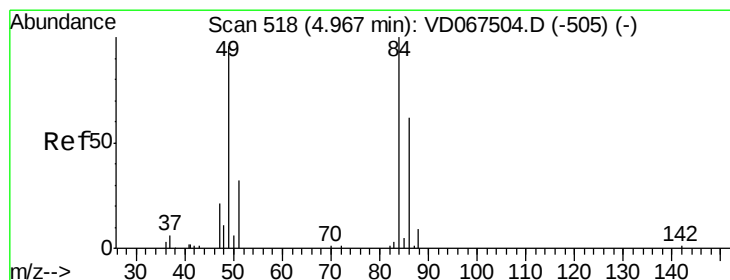
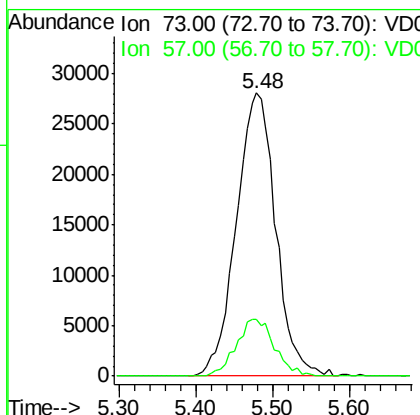
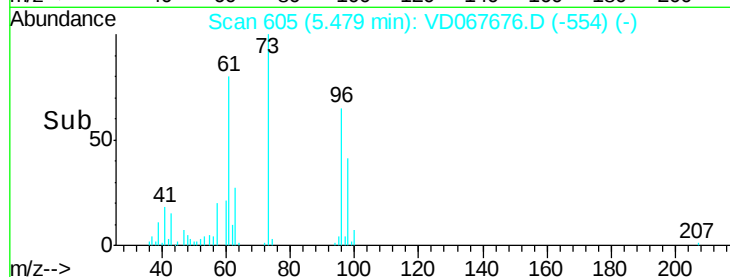
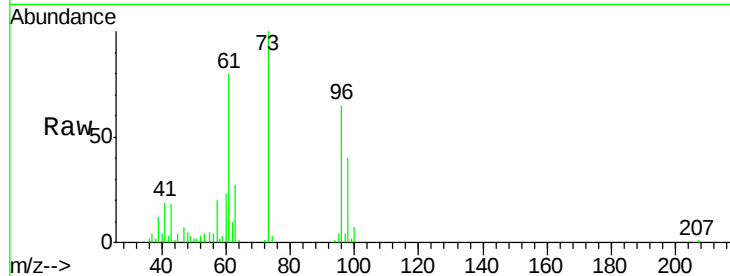
#19
Methyl tert-butyl Ether
Concen: 21.076 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 73 Resp: 100063
Ion Ratio Lower Upper
73 100
57 20.1 13.4 20.0#

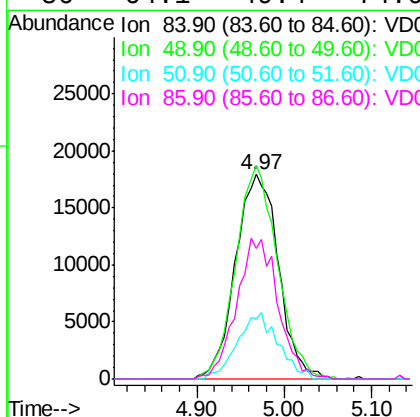
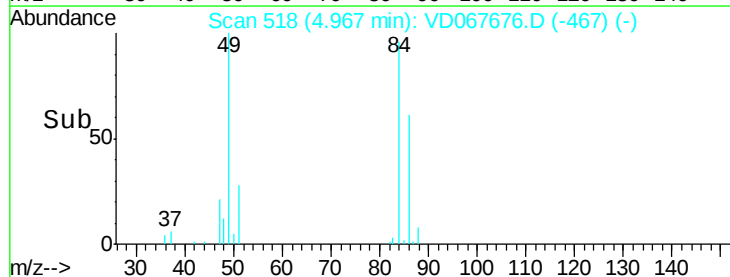
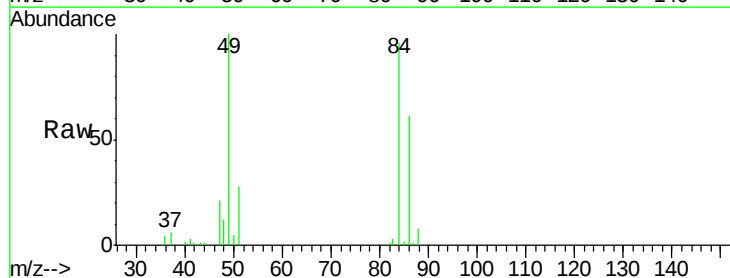
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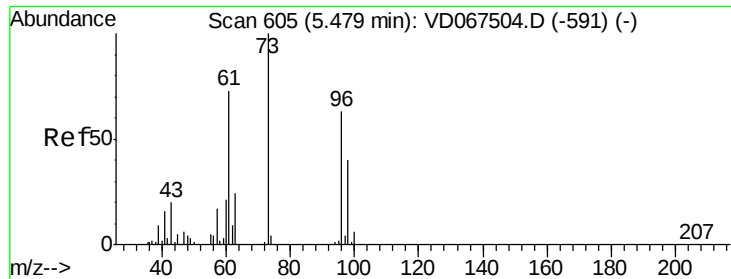
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#20
Methylene Chloride
Concen: 22.501 ug/l
RT: 4.97 min Scan# 518
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion: 84 Resp: 59973
Ion Ratio Lower Upper
84 100
49 104.5 77.0 115.4
51 29.3 25.4 38.2
86 64.1 49.4 74.0





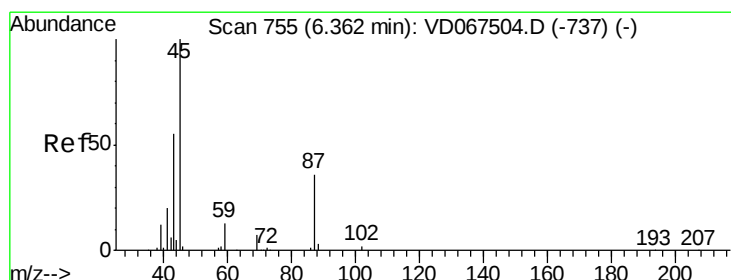
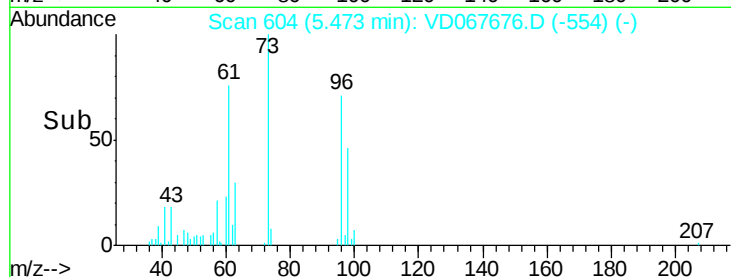
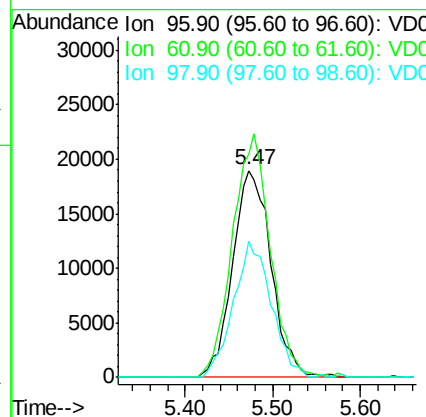
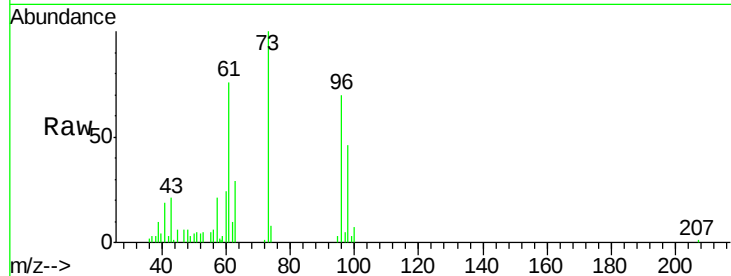
#21
trans-1,2-Dichloroethene
Concen: 20.235 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	107.7	93.0	139.6
98	65.6	50.9	76.3

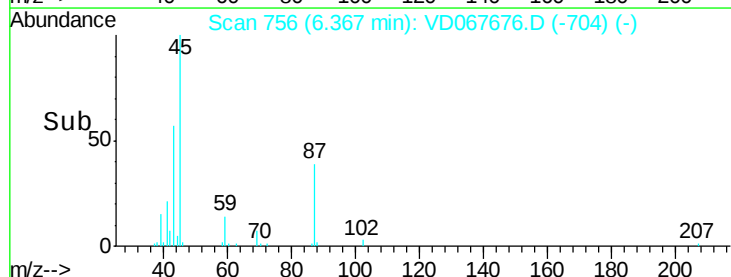
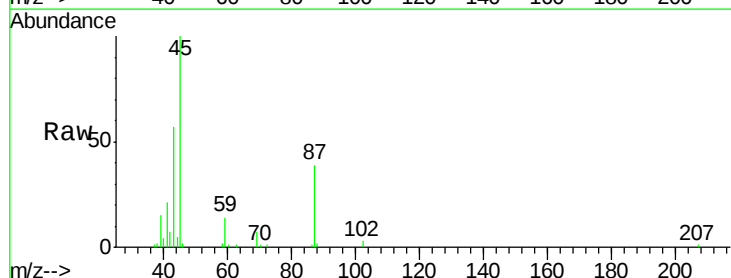
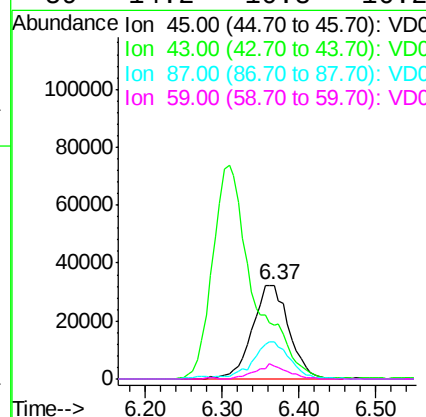
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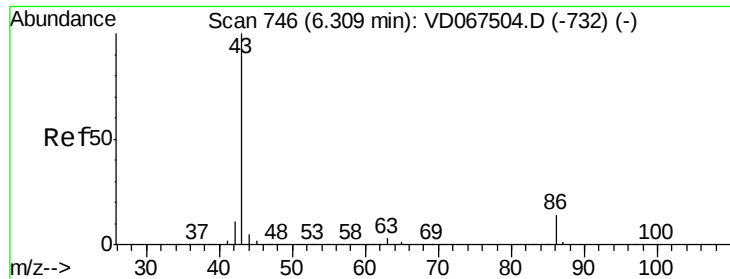
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#22
Diisopropyl ether
Concen: 21.418 ug/l
RT: 6.37 min Scan# 756
Delta R.T. 0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	55.8	46.2	69.4
87	38.6	29.4	44.2
59	14.2	10.8	16.2





#23

Vinyl Acetate

Concen: 103.188 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 43 Resp: 271143

Ion Ratio Lower Upper

43 100

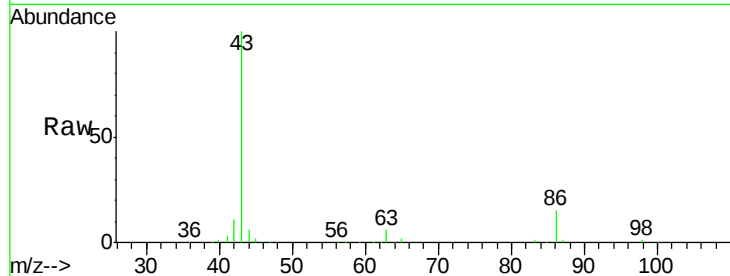
86 15.1 11.6 17.4

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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

80000

60000

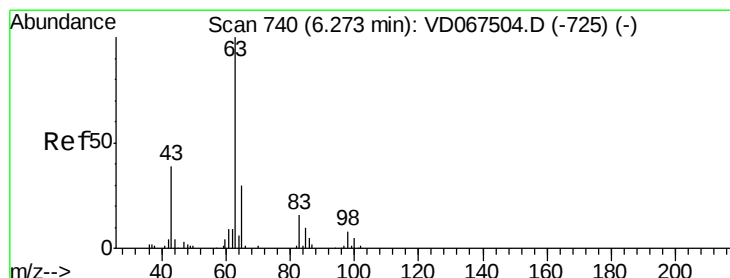
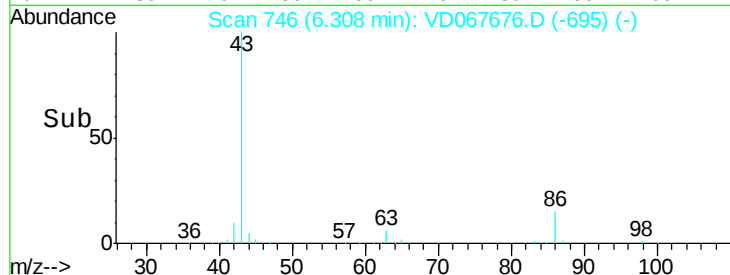
40000

20000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 20.760 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

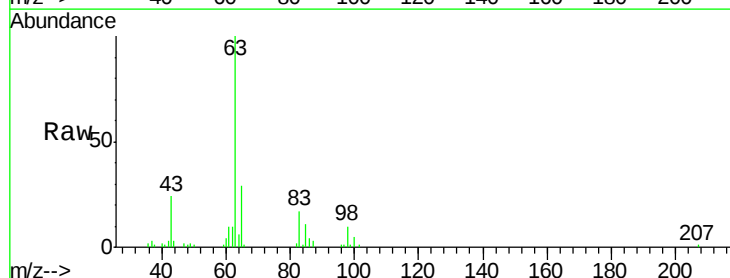
Tgt Ion: 63 Resp: 85257

Ion Ratio Lower Upper

63 100

98 9.6 3.9 11.5

100 5.3 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

30000

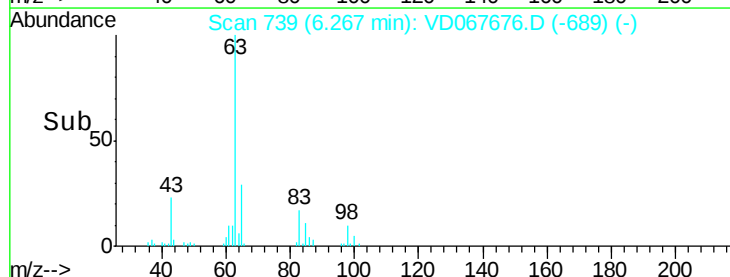
20000

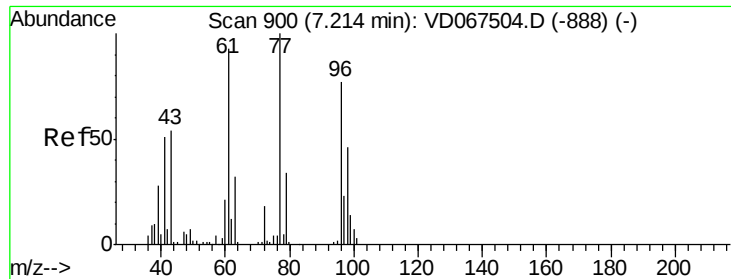
10000

0

6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 102.720 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 43 Resp: 41415

Ion Ratio Lower Upper

43 100

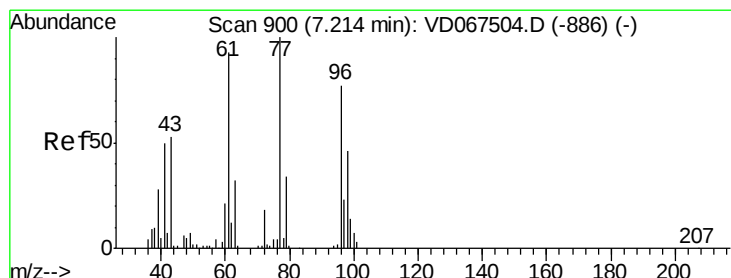
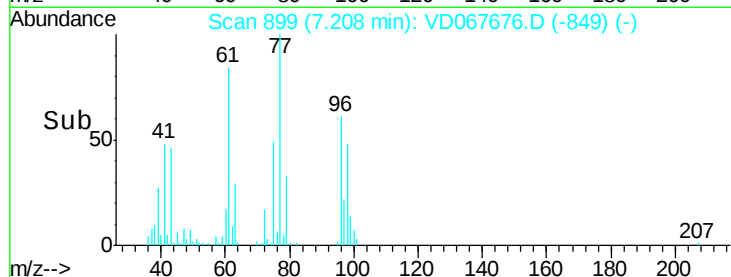
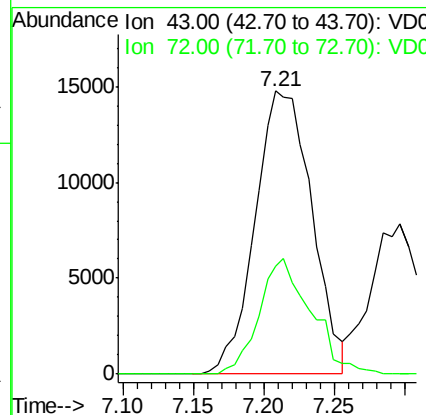
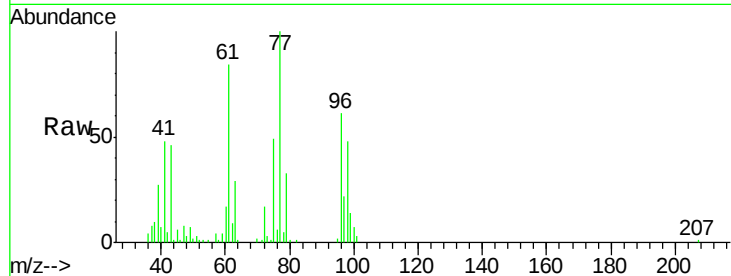
72 38.0 26.4 39.6

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.955 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067676.D

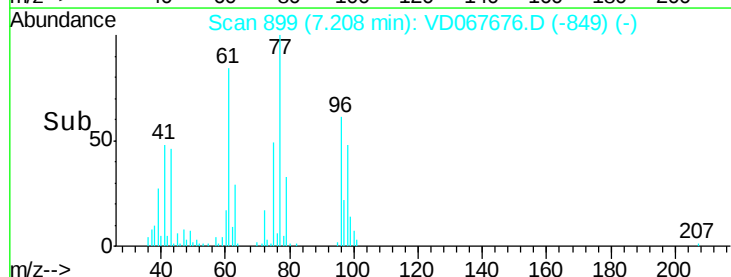
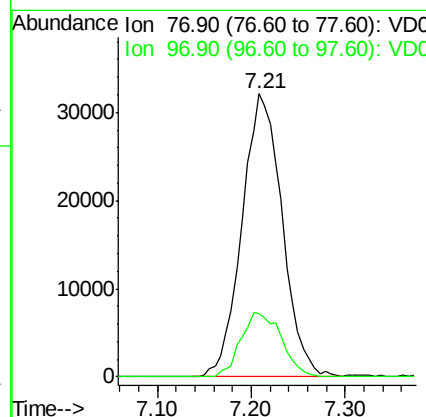
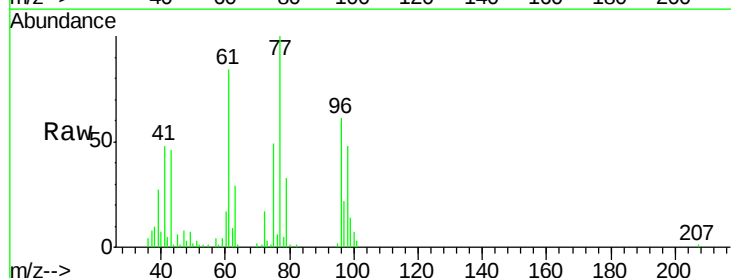
Acq: 18 Nov 2020 10:53

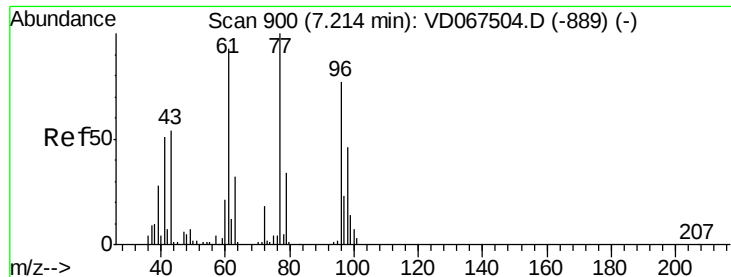
Tgt Ion: 77 Resp: 95157

Ion Ratio Lower Upper

77 100

97 22.9 11.1 33.3





#27

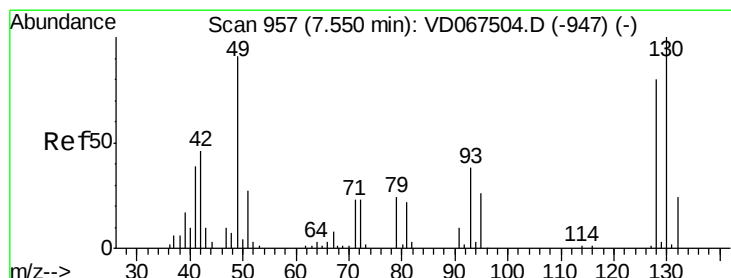
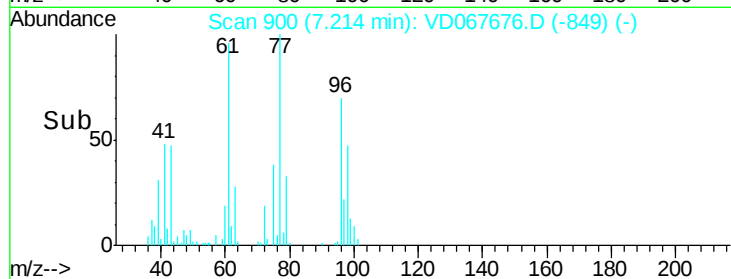
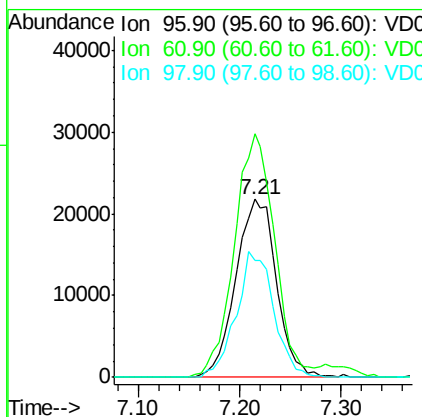
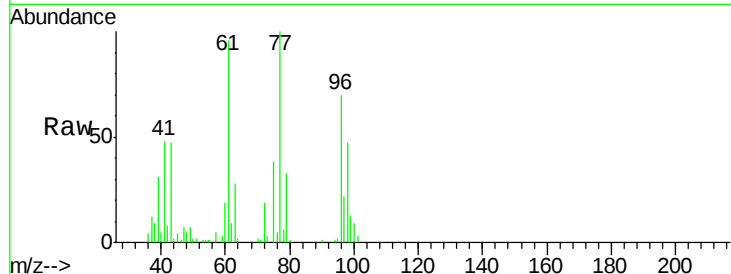
cis-1,2-Dichloroethene
Concen: 20.856 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	60686		
61	135.3		0.0	251.6
98	64.9		0.0	128.0

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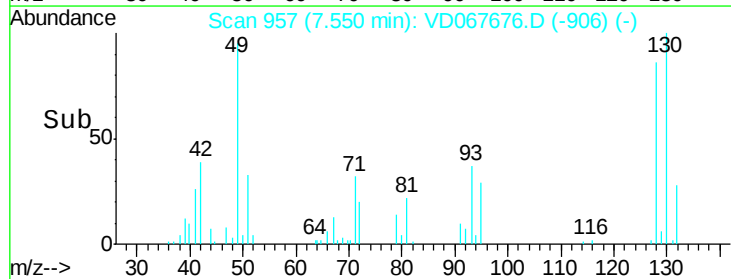
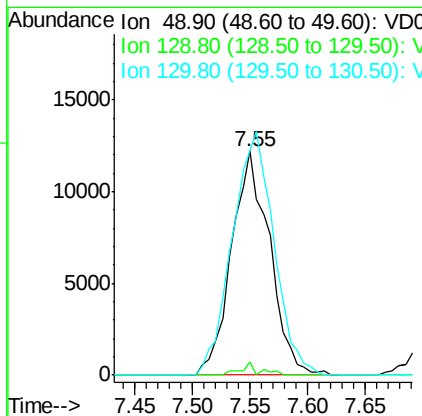
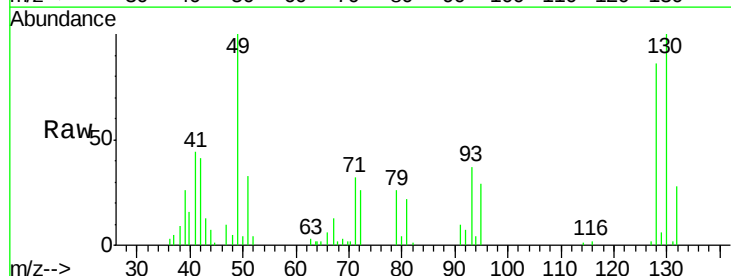
MMDadoda
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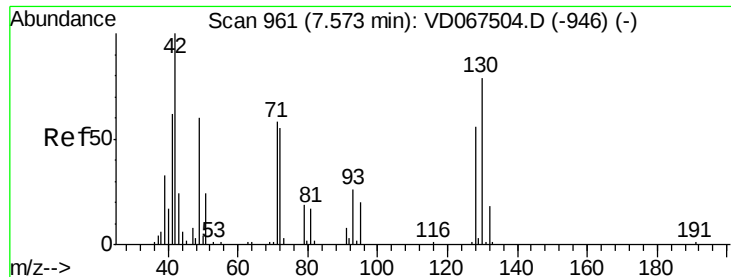


#28

Bromochloromethane
Concen: 19.251 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	28121		
129	2.8		0.0	6.4
130	118.3		94.6	142.0





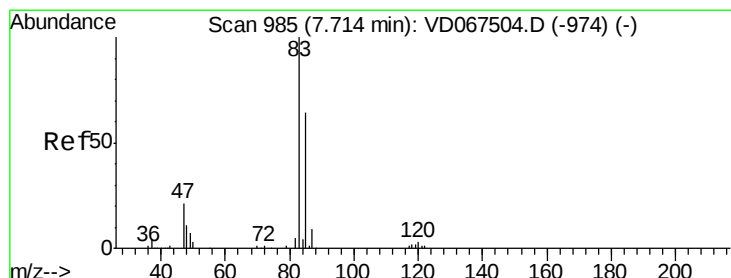
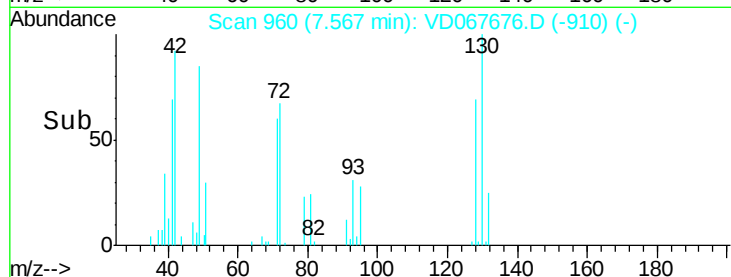
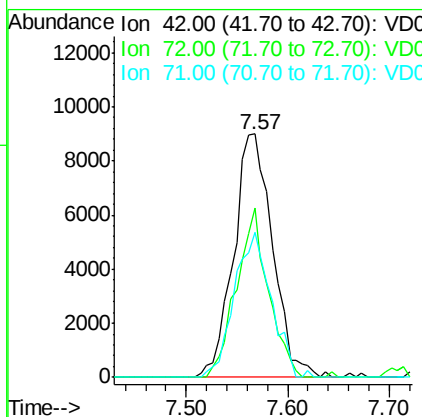
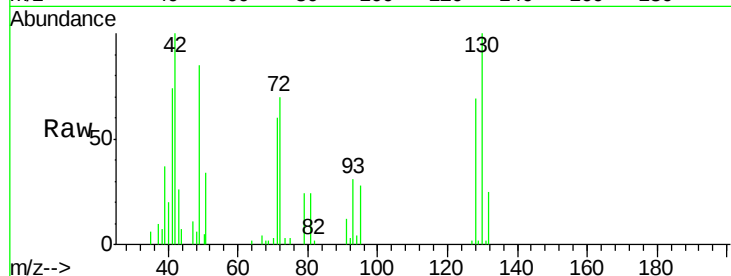
#29
Tetrahydrofuran
Concen: 99.512 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.7	46.3	69.5
71	55.6	44.0	66.0

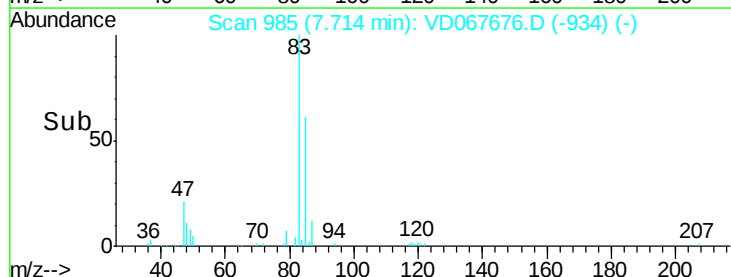
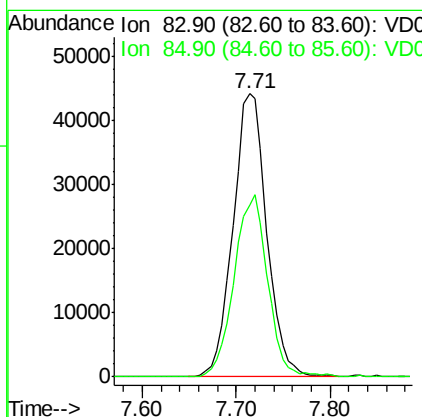
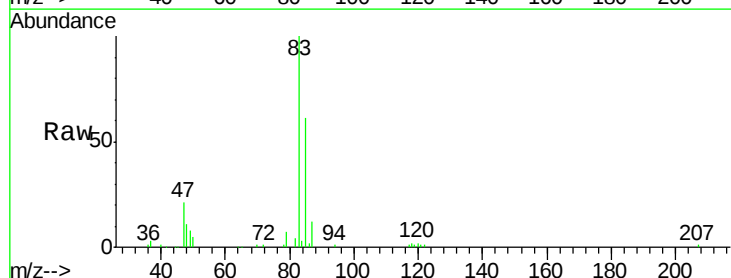
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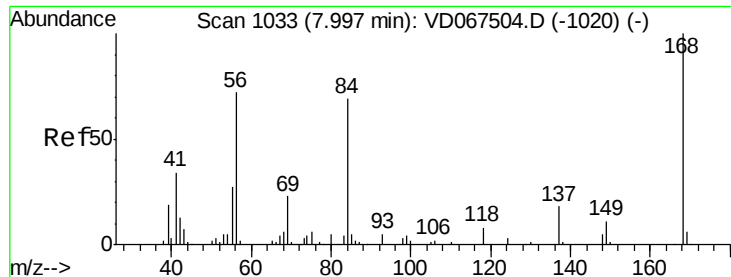
MMDadoda
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#30
Chloroform
Concen: 22.436 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	60.9	51.5	77.3





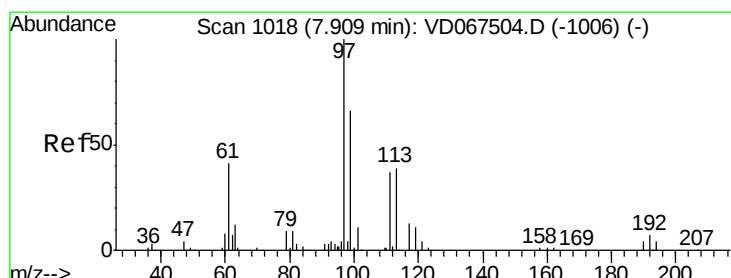
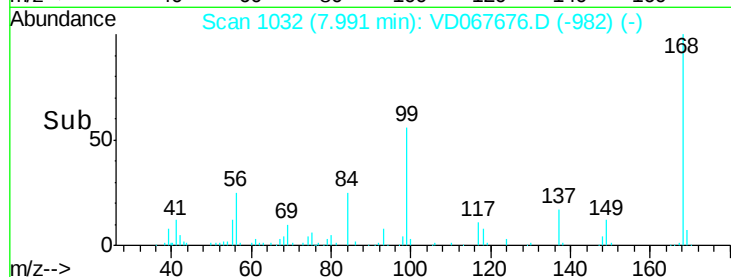
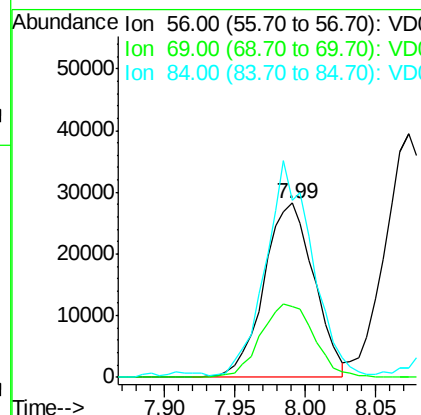
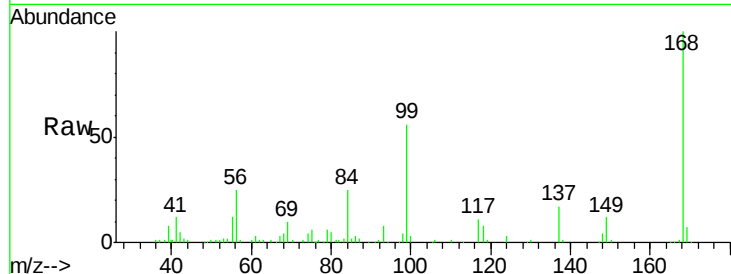
#31
Cyclohexane
Concen: 19.194 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	40.7	25.9	38.9#
84	99.4	76.2	114.4

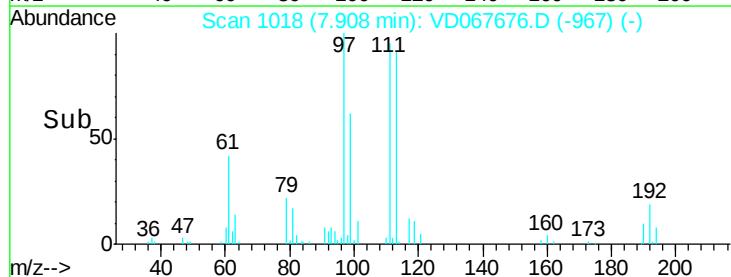
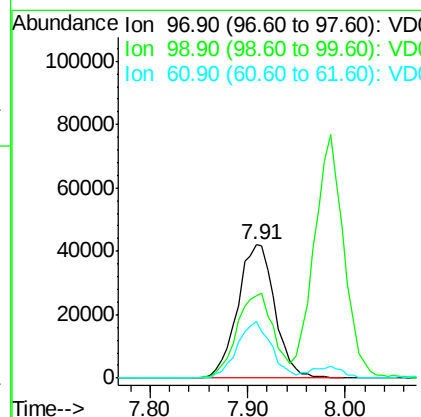
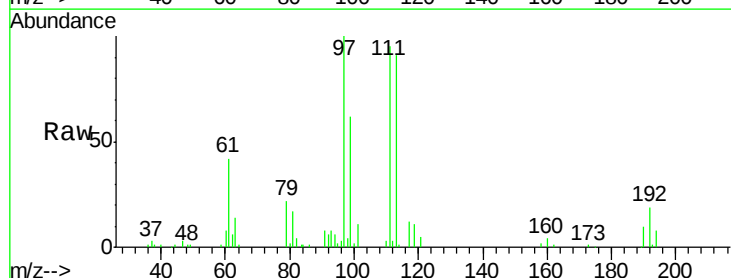
Manual Integrations
APPROVED

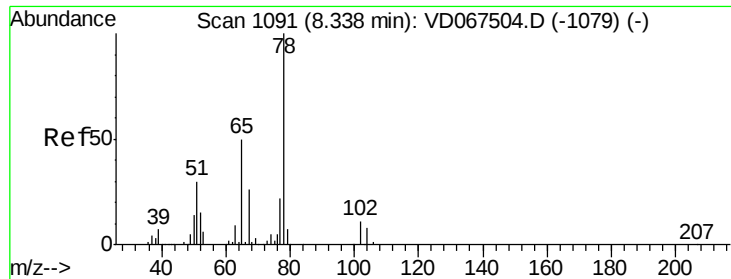
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#32
1,1,1-Trichloroethane
Concen: 22.077 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.4	51.8	77.6
61	39.0	30.5	45.7





#33

1,2-Dichloroethane-d4

Concen: 47.243 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 65 Resp: 119123

Ion Ratio Lower Upper

65 100

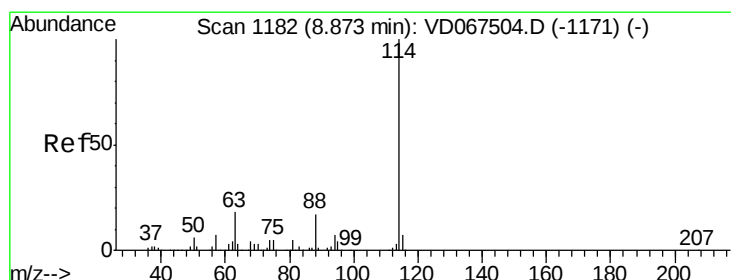
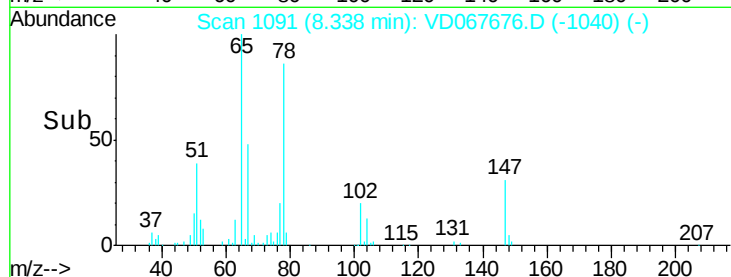
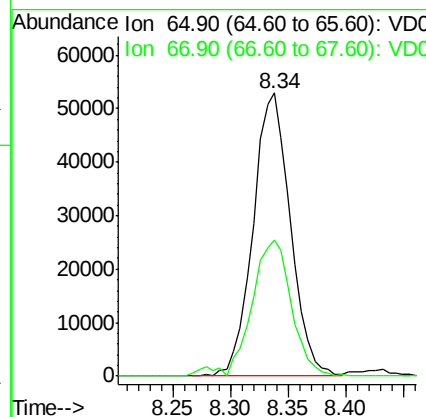
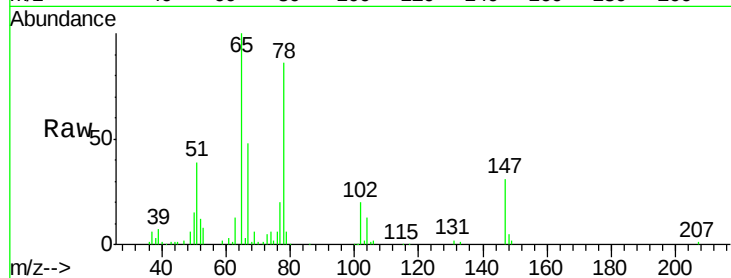
67 49.7 0.0 99.4

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

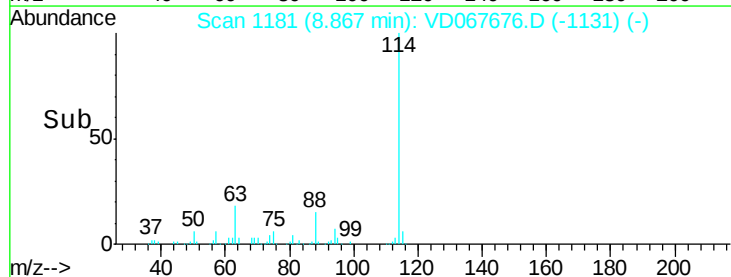
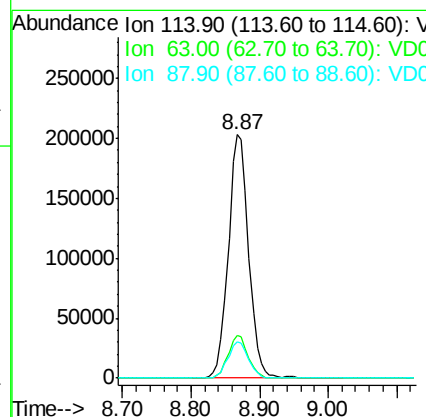
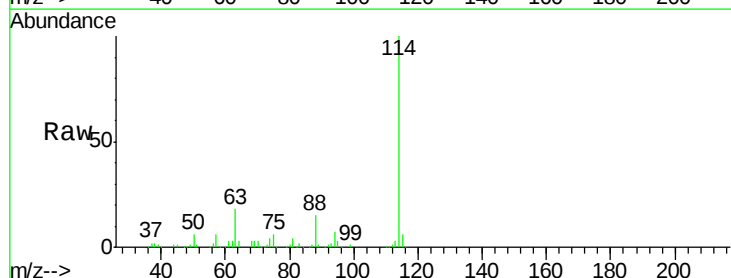
Tgt Ion: 114 Resp: 417537

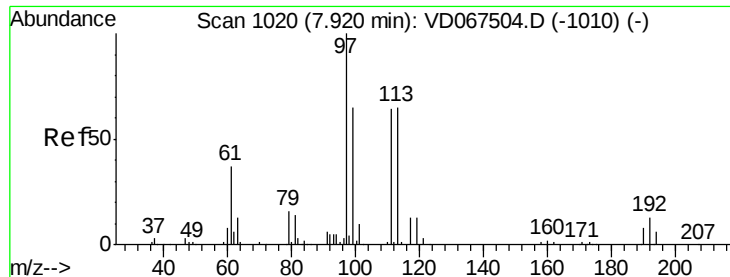
Ion Ratio Lower Upper

114 100

63 17.8 0.0 35.0

88 15.0 0.0 33.0





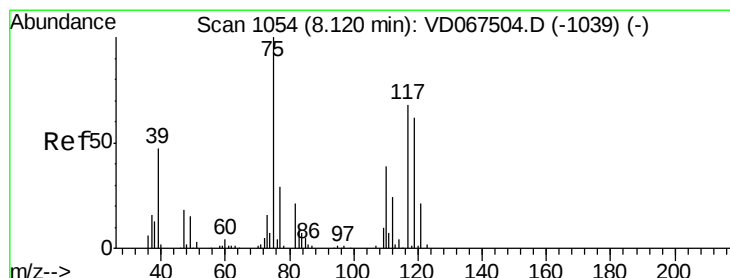
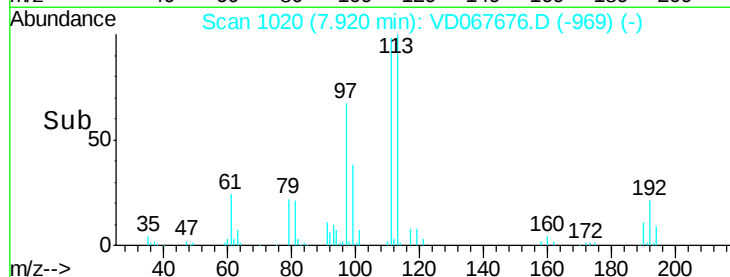
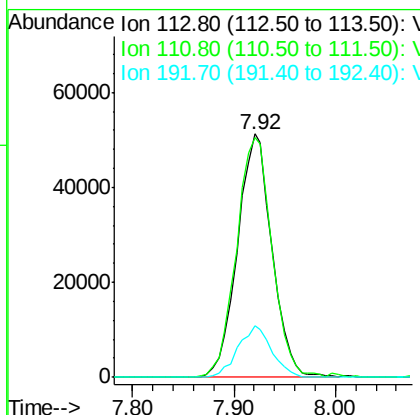
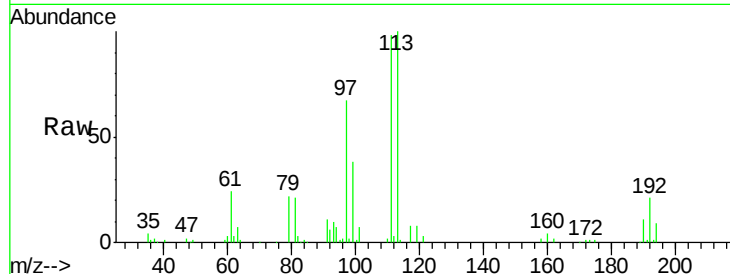
#35
Dibromofluoromethane
Concen: 48.012 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	120782		
111	101.8	80.0	120.0	
192	20.7	16.3	24.5	

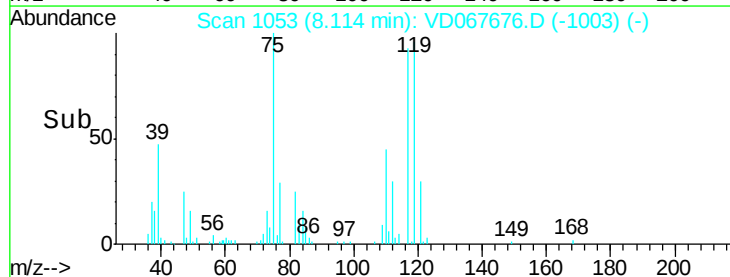
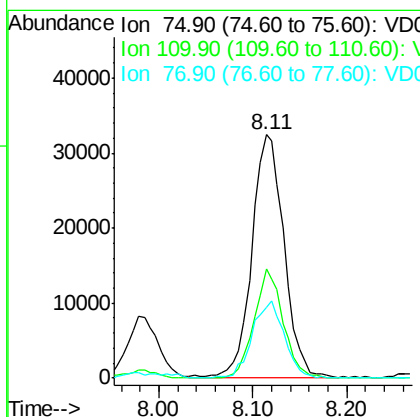
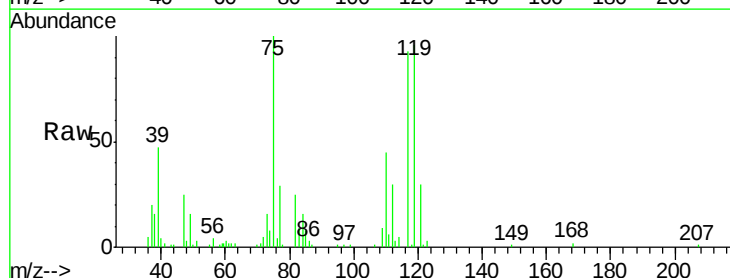
Manual Integrations
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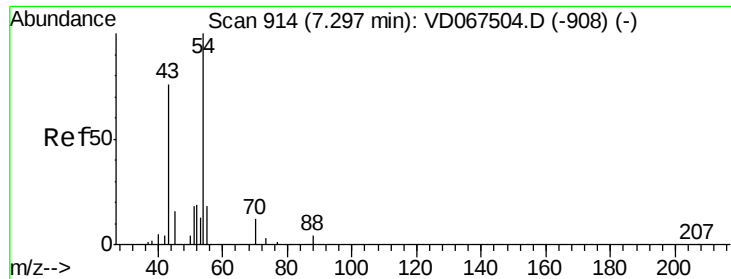
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#36
1,1-Dichloropropene
Concen: 21.584 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77143		
110	40.3	19.9	59.7	
77	31.5	24.8	37.2	





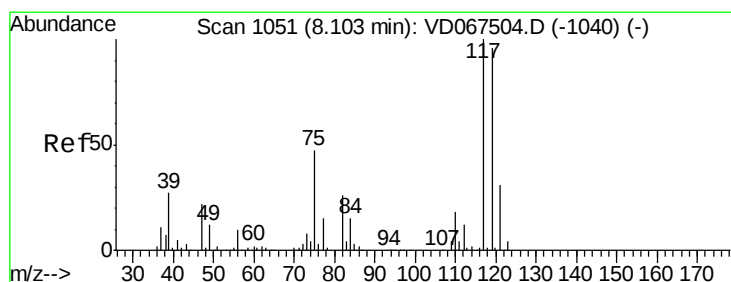
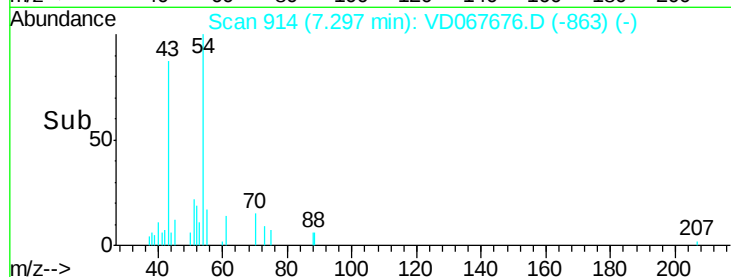
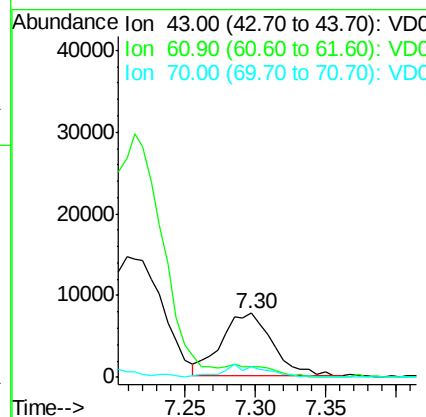
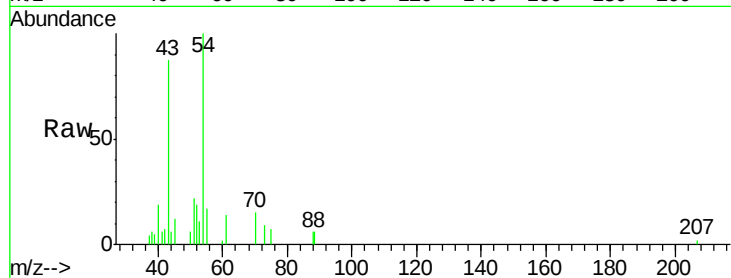
#37
Ethyl Acetate
Concen: 20.837 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.8	19.2#
70	17.4	11.7	17.5

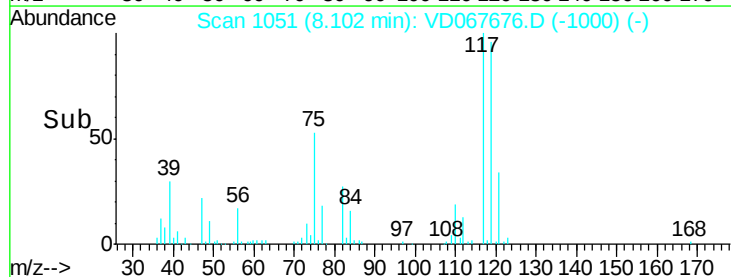
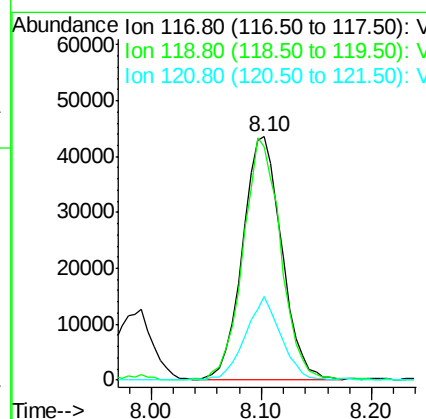
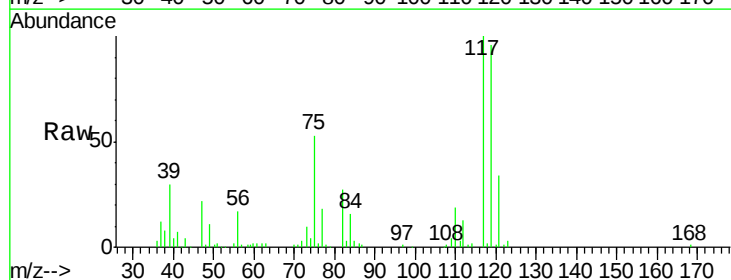
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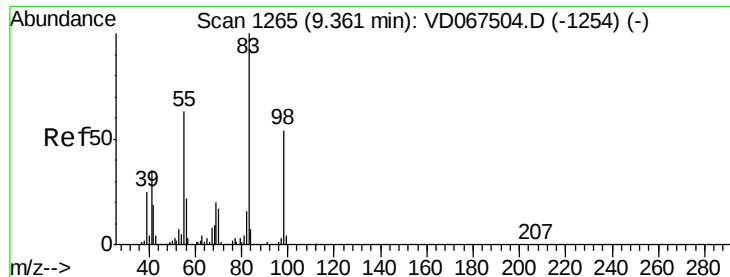
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#38
Carbon Tetrachloride
Concen: 23.450 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	76.9	115.3
121	34.5	24.5	36.7





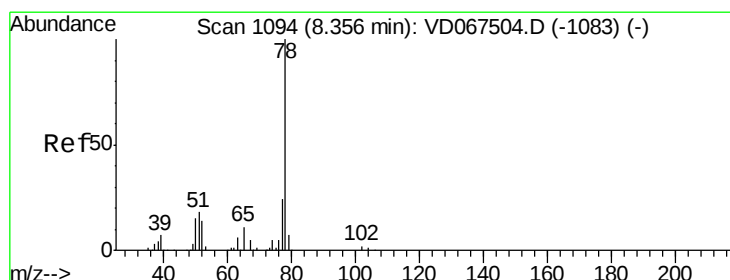
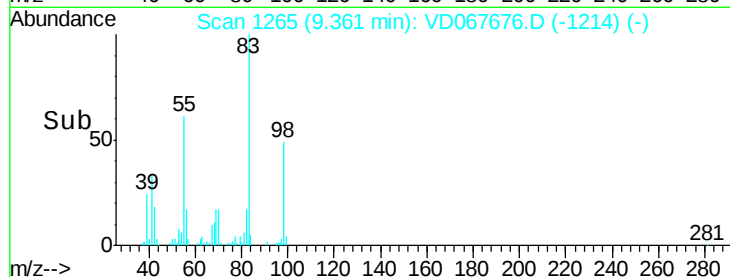
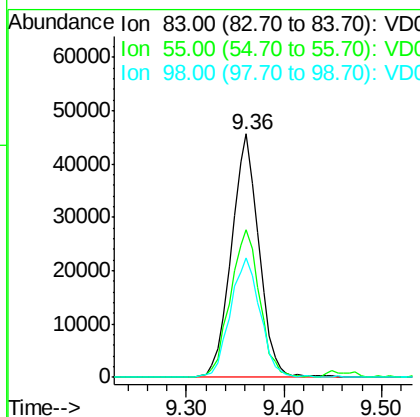
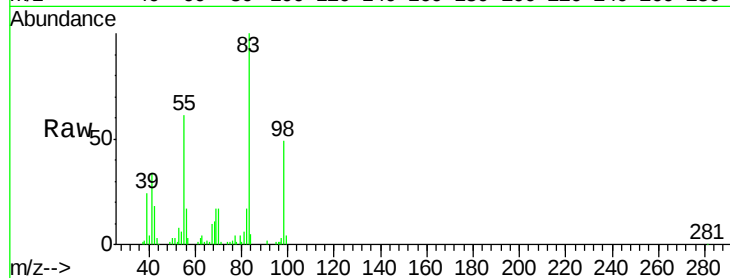
#39
Methvlcvclohexane
Concen: 21.202 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	83	Resp	89189
Ion Ratio	Lower	Upper	
83	100		
55	60.8	50.5	75.7
98	49.2	43.4	65.0

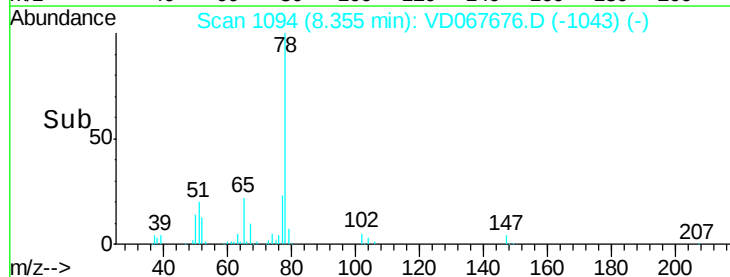
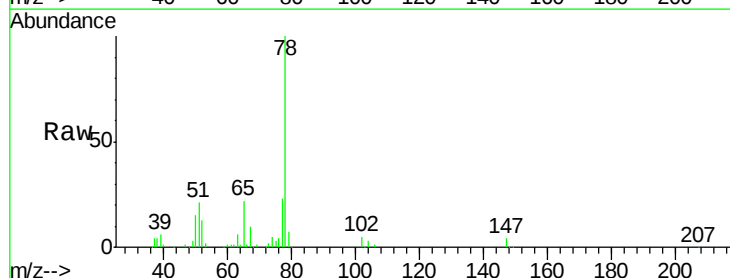
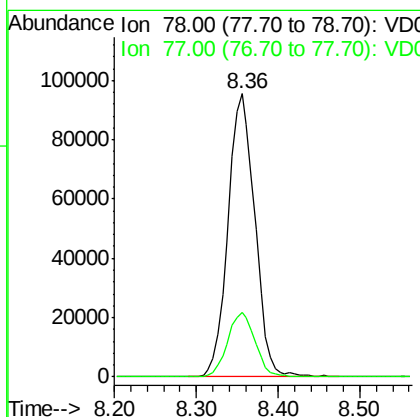
Manual Integrations
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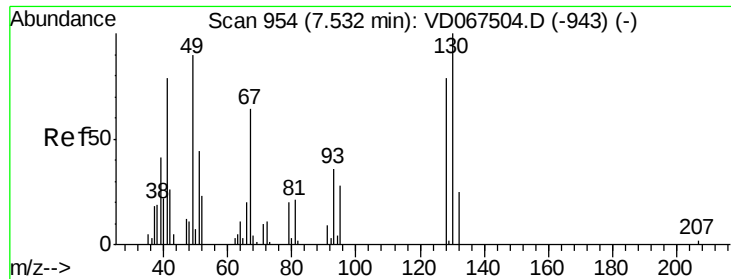
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#40
Benzene
Concen: 22.568 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	78	Resp	218490
Ion Ratio	Lower	Upper	
78	100		
77	22.9	19.1	28.7





#41

Methacrylonitrile

Concen: 15.913 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 41 Resp: 8826

Ion Ratio Lower Upper

41 100

39 0.0 51.3 76.9#

67 117.6 78.9 118.3

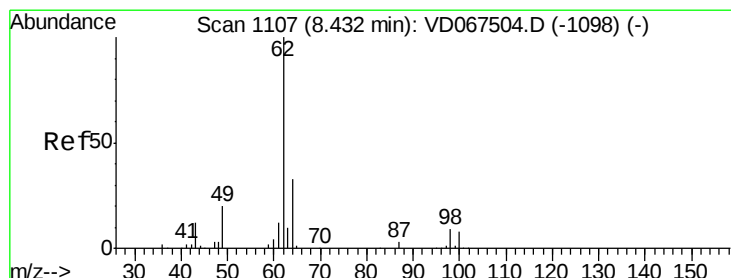
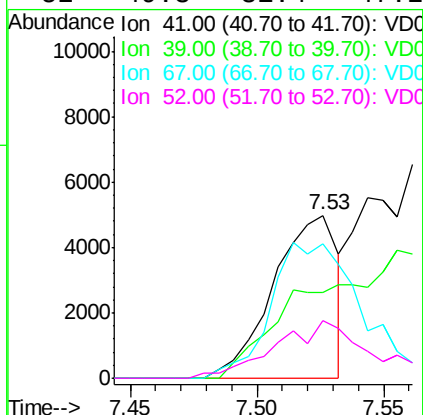
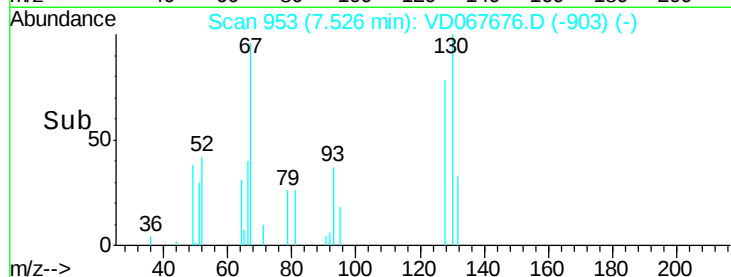
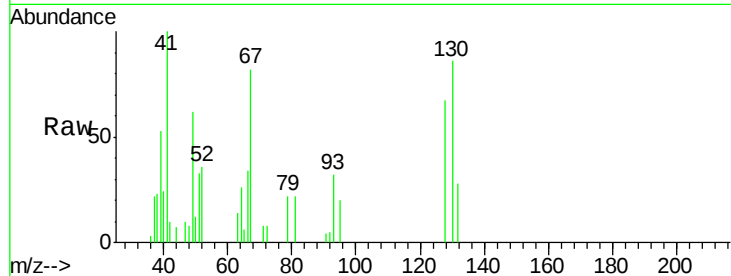
52 49.3 31.4 47.2#

Manual Integrations

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#42

1,2-Dichloroethane

Concen: 22.336 ug/l

RT: 8.43 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VD067676.D

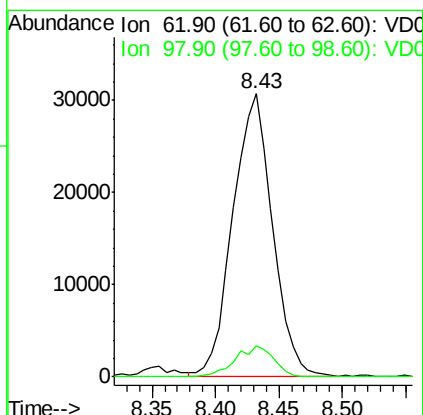
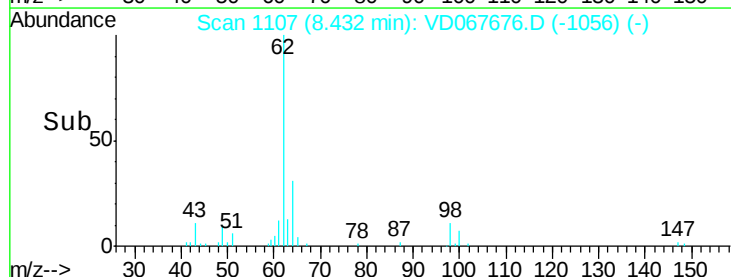
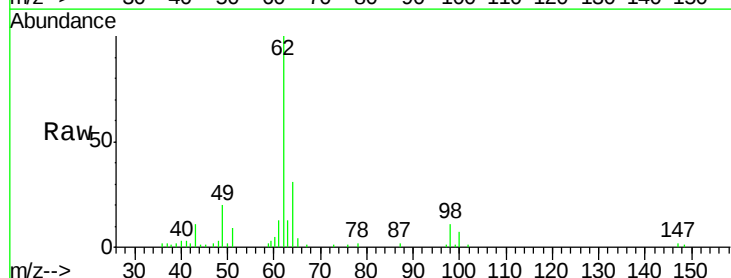
Acq: 18 Nov 2020 10:53

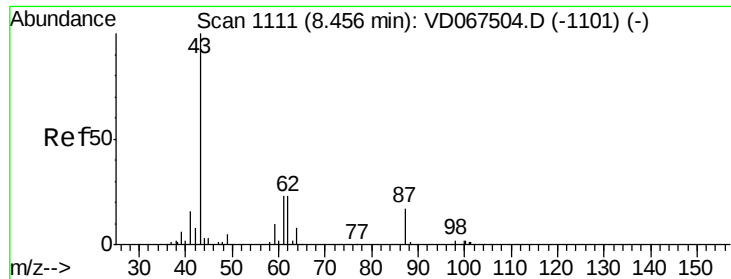
Tgt Ion: 62 Resp: 66811

Ion Ratio Lower Upper

62 100

98 10.5 0.0 19.8





#43

Isopropyl Acetate

Concen: 20.878 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

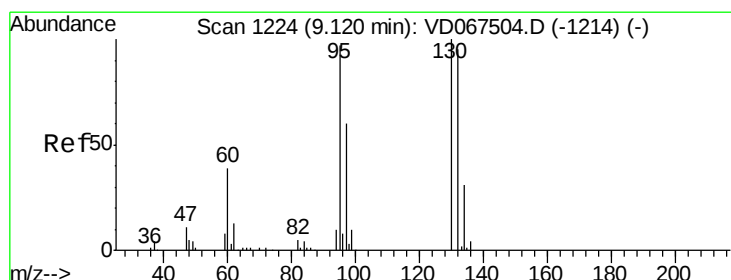
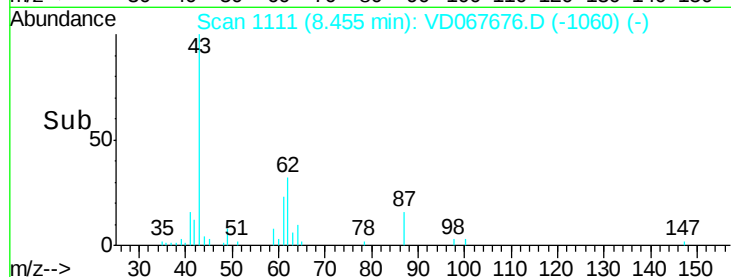
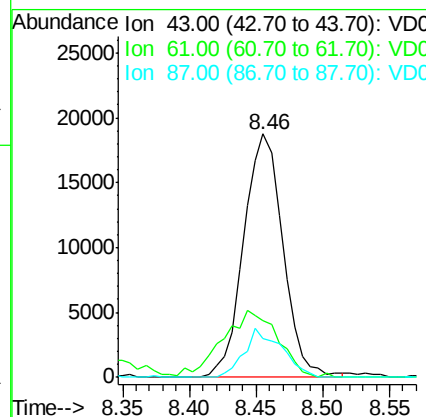
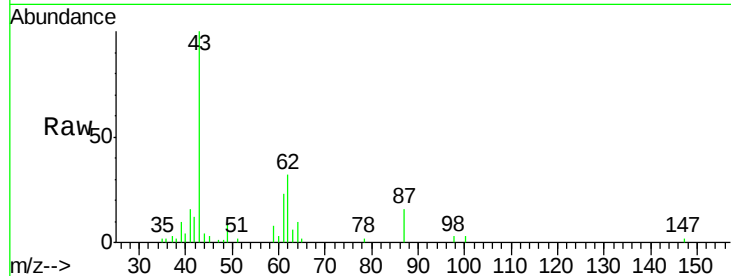
ClientSampleId :

VD1118SBS01

Tot Ion:	43	Resp:	38313
Ion Ratio	Lower	Upper	
43	100		
61	38.9	30.5	45.7
87	19.0	14.7	22.1

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#44

Trichloroethene

Concen: 21.511 ug/l

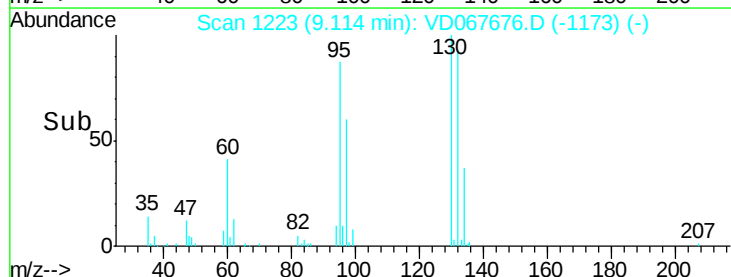
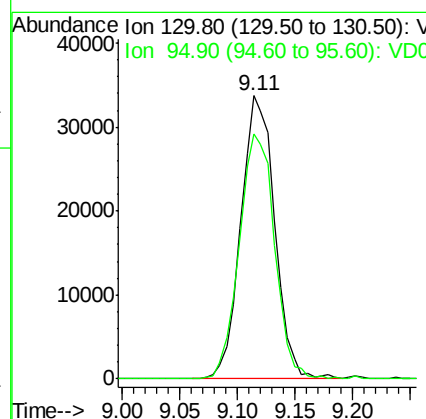
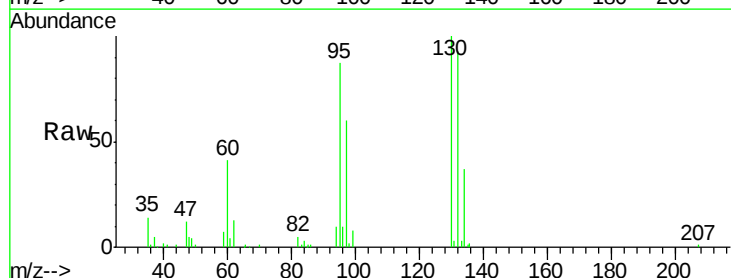
RT: 9.11 min Scan# 1223

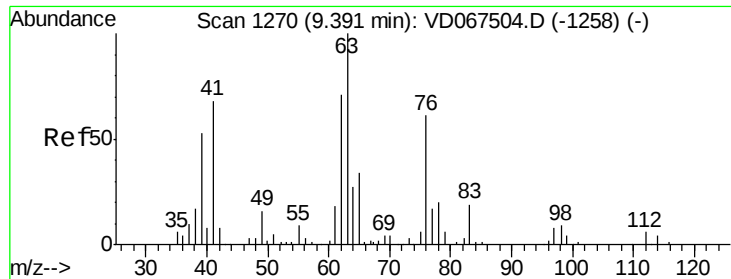
Delta R.T. -0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Tgt Ion:	130	Resp:	68474
Ion Ratio	Lower	Upper	
130	100		
95	86.6	0.0	194.4





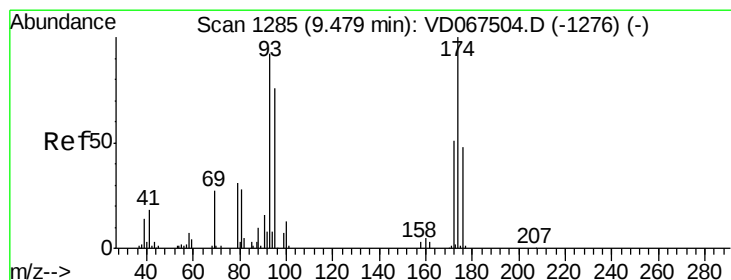
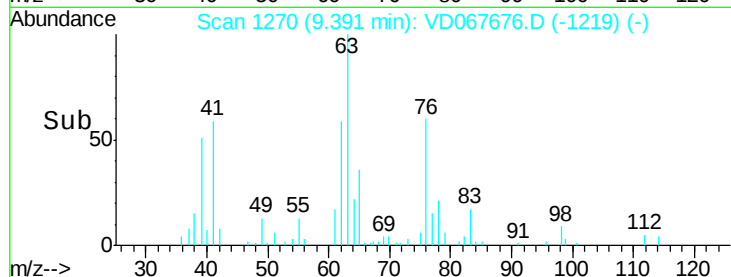
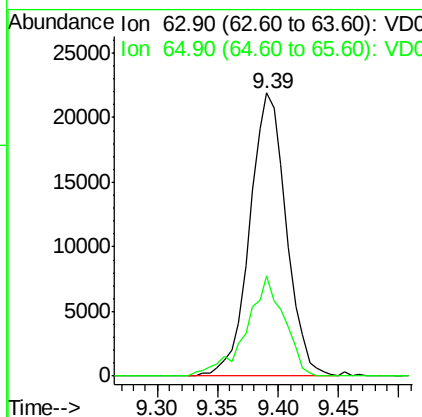
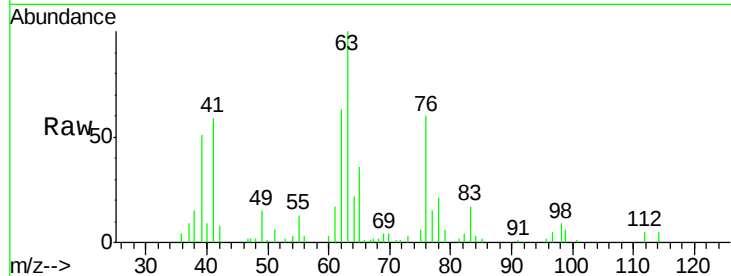
#45
 1,2-Dichloropropane
 Concen: 21.988 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion: 63 Resp: 46024
 Ion Ratio Lower Upper
 63 100
 65 35.6 26.9 40.3

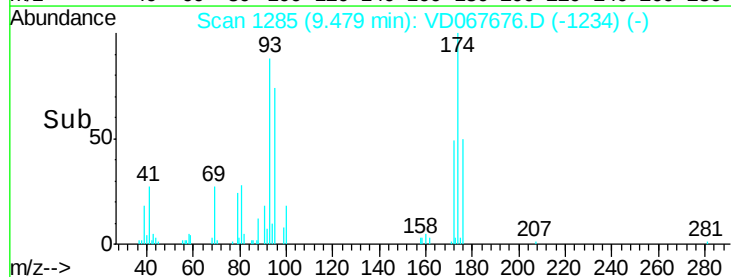
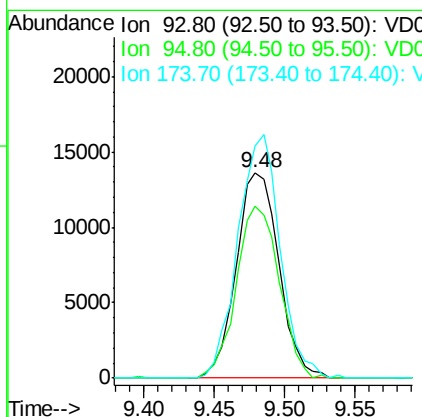
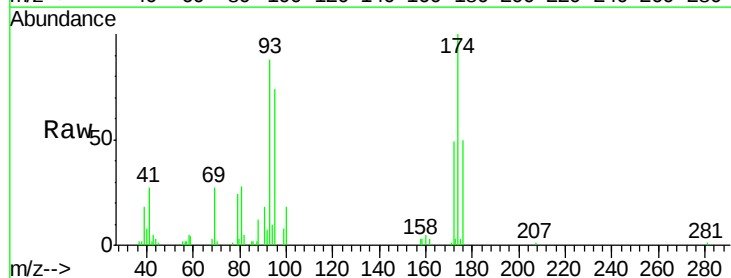
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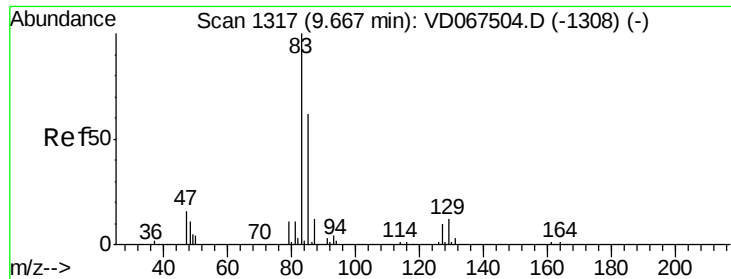
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 11/19/2020 11:07:03 AM



#46
 Dibromomethane
 Concen: 21.685 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Tgt Ion: 93 Resp: 28860
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.4 99.6
 174 117.3 88.2 132.4





#47

Bromodichloromethane

Concen: 22.468 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

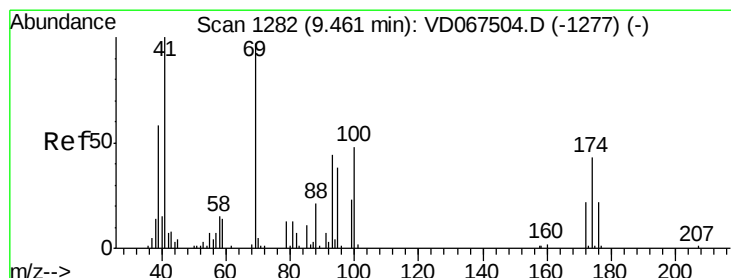
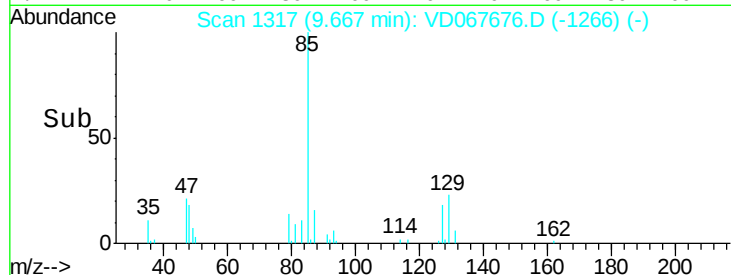
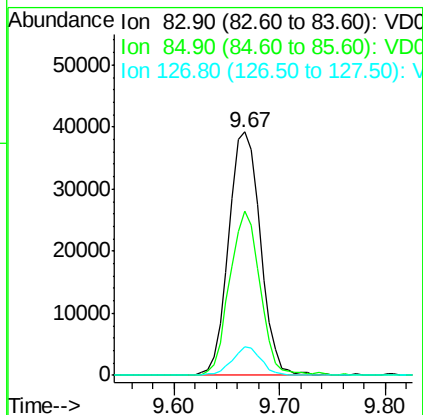
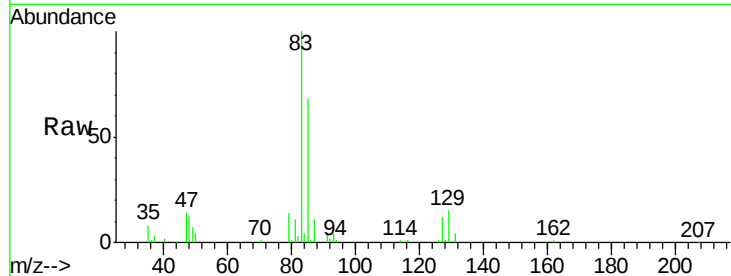
ClientSampleId :

VD1118SBS01

Tot Ion:	83	Resp:	81274
Ion	Ratio	Lower	Upper
83	100		
85	67.5	49.4	74.2
127	11.9	7.7	11.5#

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.490 ug/l

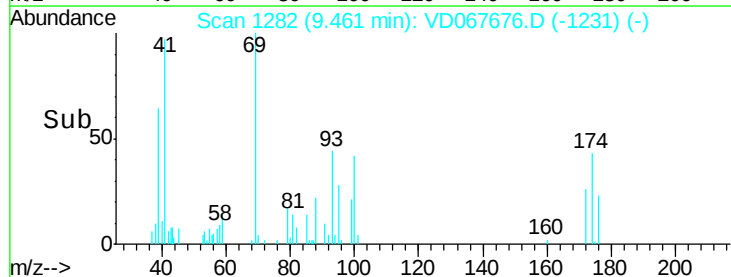
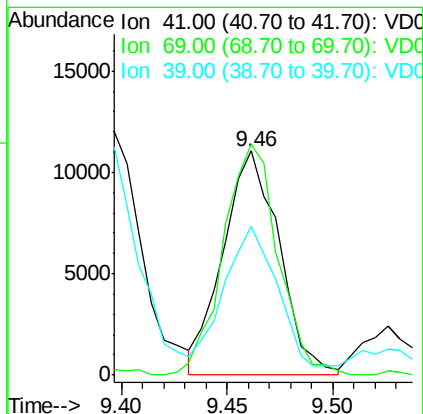
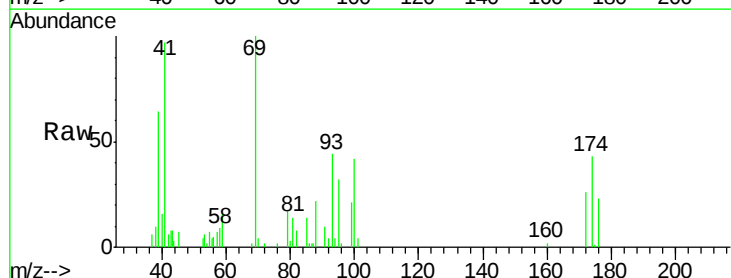
RT: 9.46 min Scan# 1282

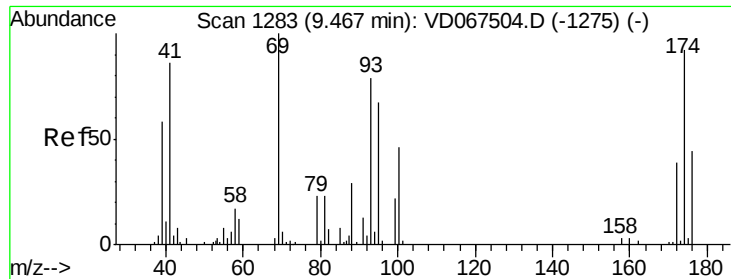
Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Tgt Ion:	41	Resp:	20362
Ion	Ratio	Lower	Upper
41	100		
69	101.0	80.6	121.0
39	57.4	50.2	75.4





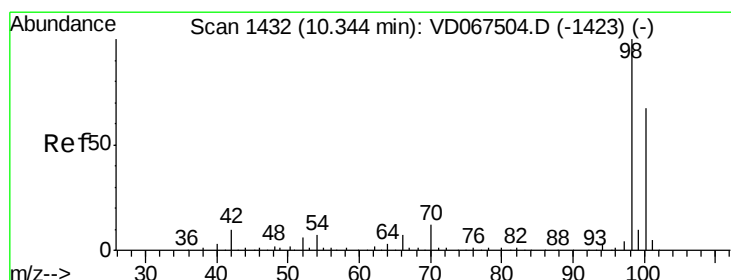
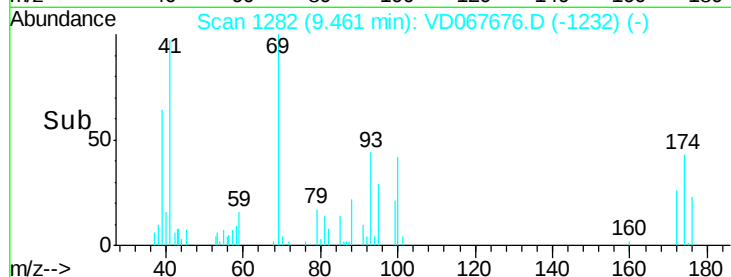
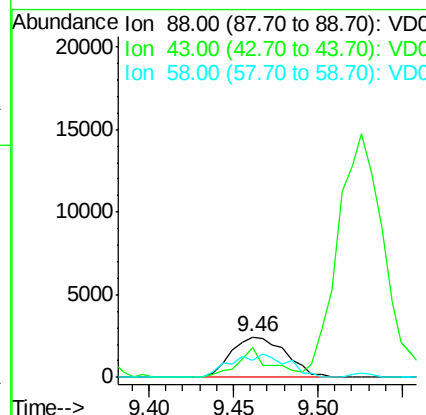
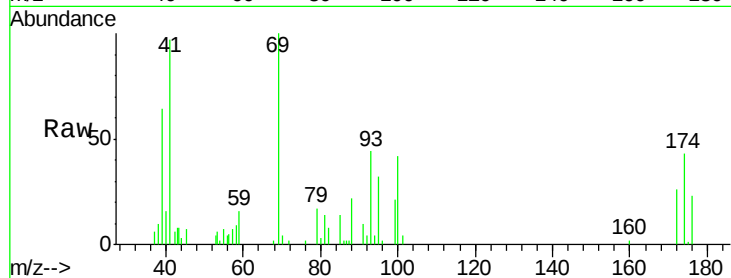
#49
1,4-Dioxane
Concen: 409.748 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 88 Resp: 5536
Ion Ratio Lower Upper
88 100
43 44.4 23.6 35.4#
58 59.5 44.7 67.1

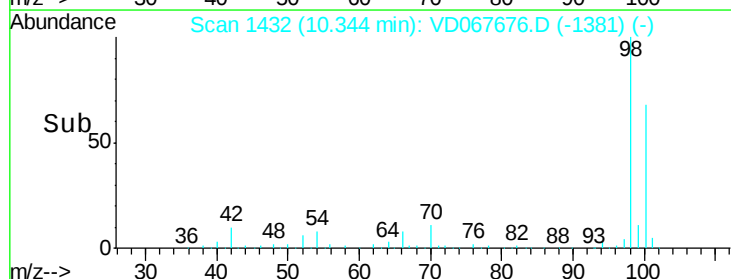
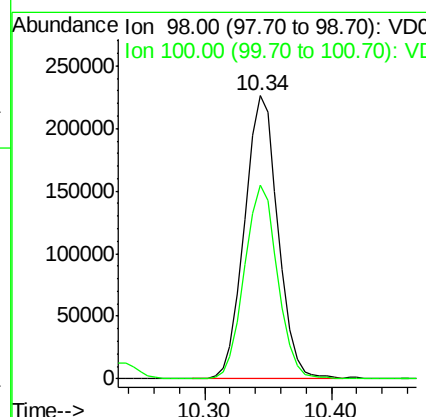
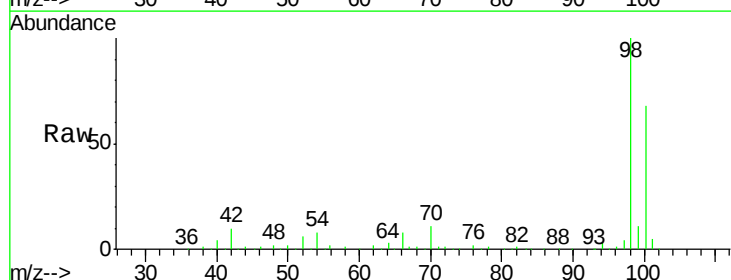
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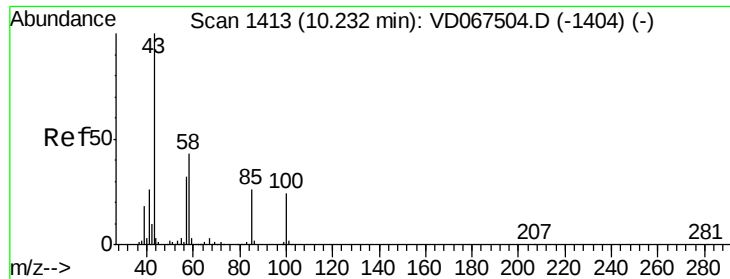
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#50
Toluene-d8
Concen: 46.875 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion: 98 Resp: 414399
Ion Ratio Lower Upper
98 100
100 67.9 53.0 79.6





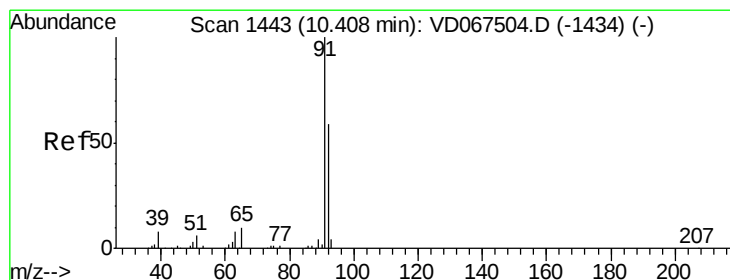
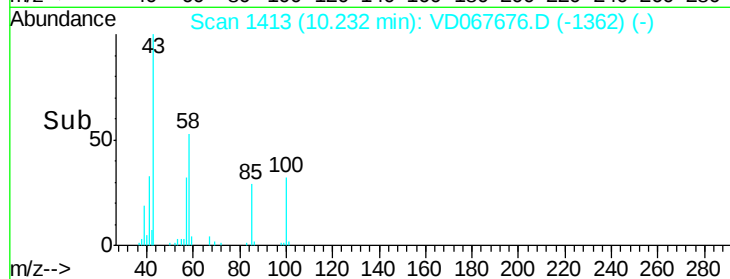
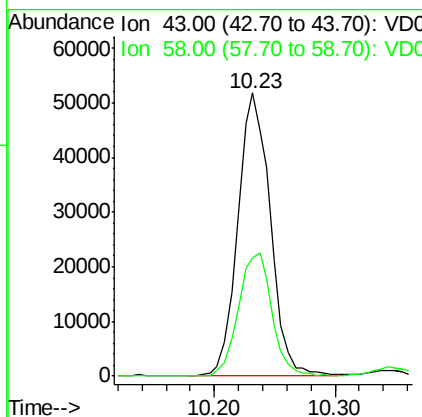
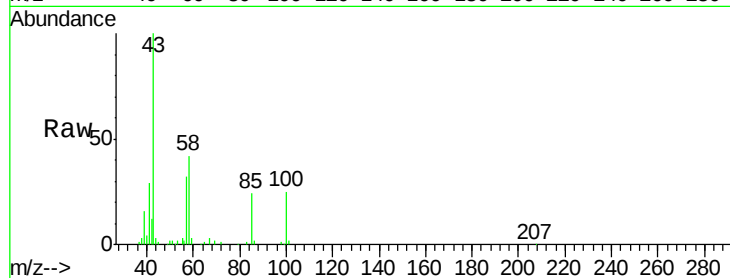
#51
4-Methyl-2-Pentanone
Concen: 110.591 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	44.8	35.6	53.4

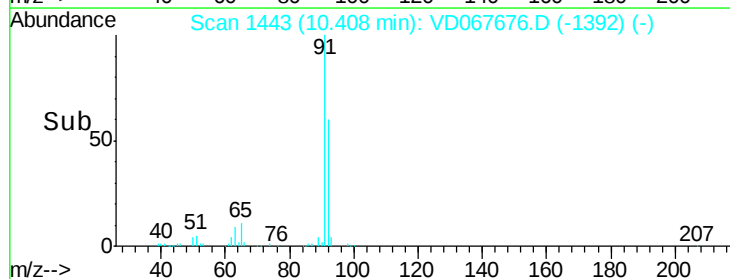
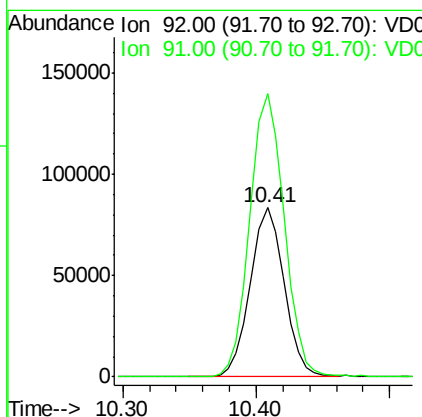
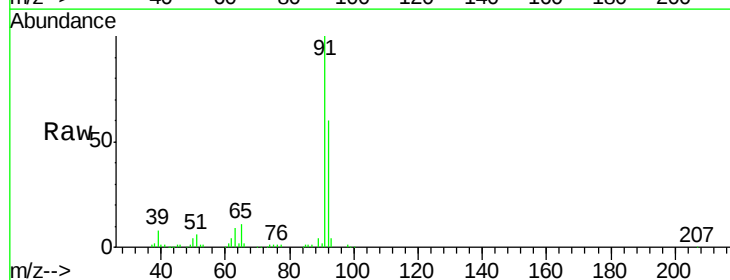
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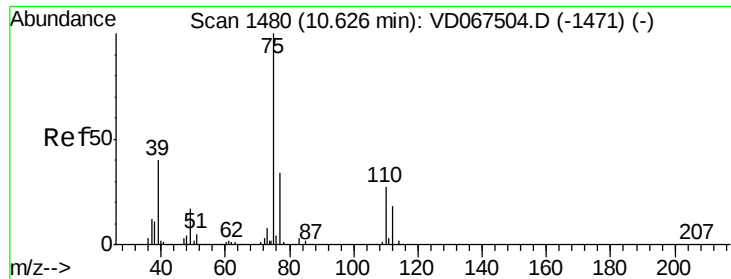
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#52
Toluene
Concen: 22.706 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.0	205.6





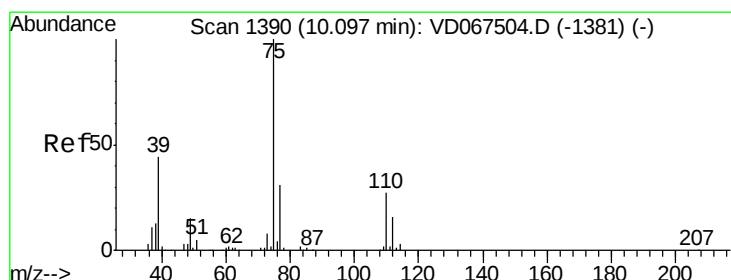
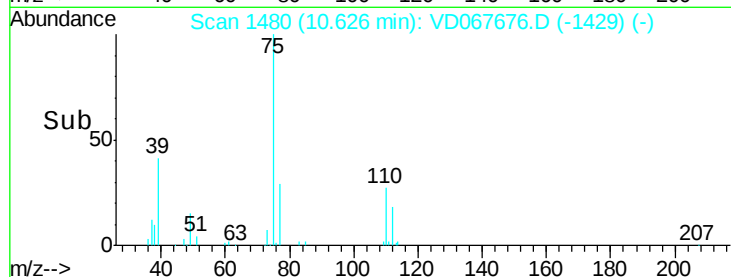
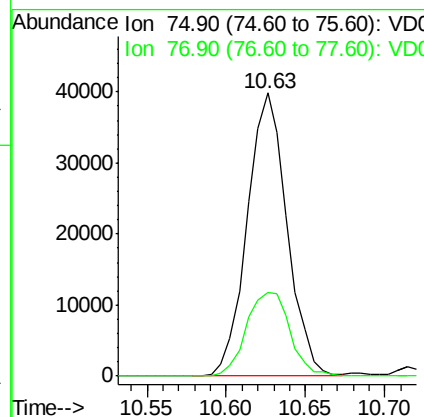
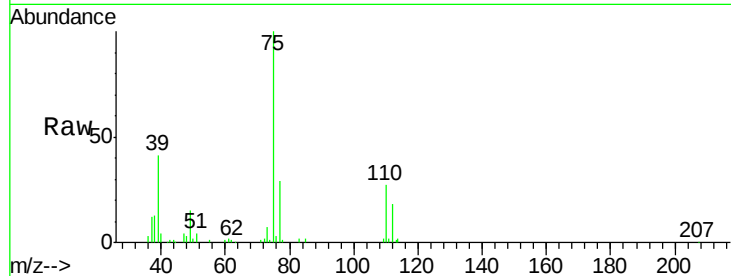
#53
t-1,3-Dichloropropene
Concen: 22.445 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 75 Resp: 69538
Ion Ratio Lower Upper
75 100
77 29.4 27.0 40.6

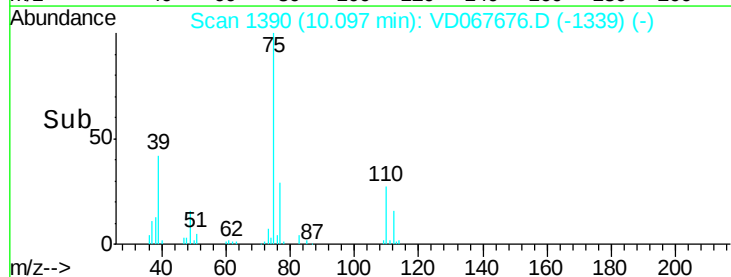
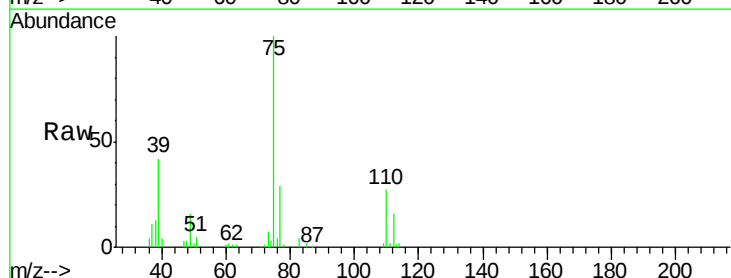
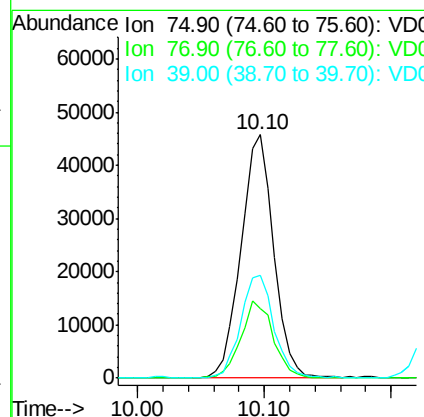
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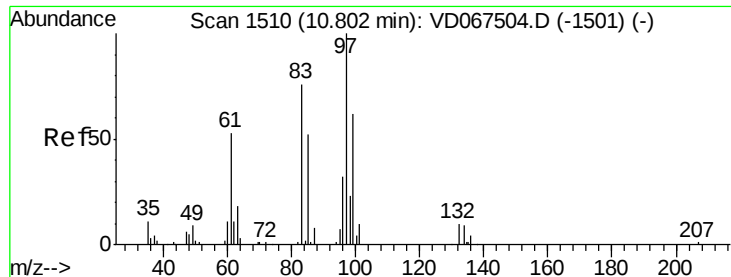
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#54
cis-1,3-Dichloropropene
Concen: 22.191 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion: 75 Resp: 81683
Ion Ratio Lower Upper
75 100
77 28.8 24.4 36.6
39 42.1 35.6 53.4





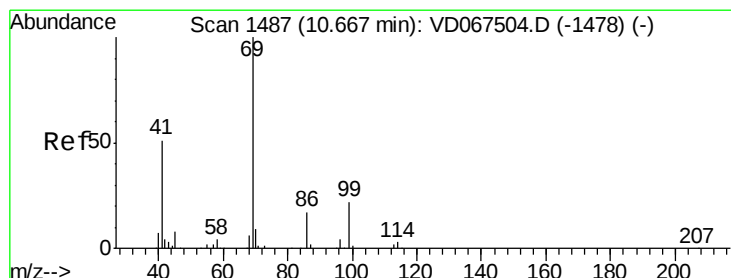
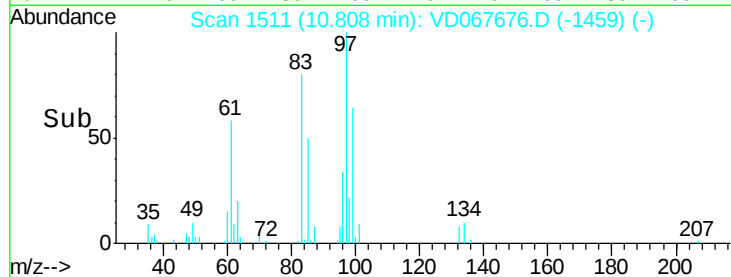
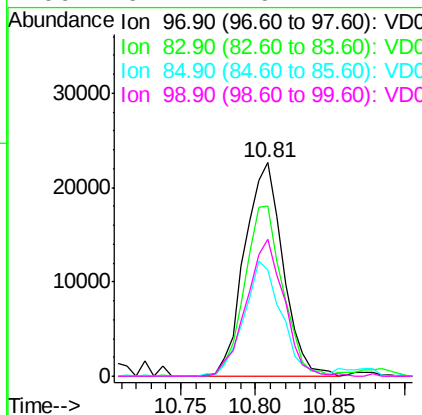
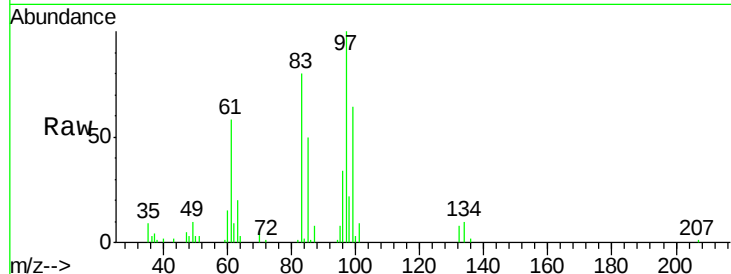
#55
 1,1,2-Trichloroethane
 Concen: 22.939 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion:	97	Resp:	40394
Ion	Ratio	Lower	Upper
97	100		
83	79.6	61.0	91.6
85	50.0	41.5	62.3
99	64.4	49.4	74.2

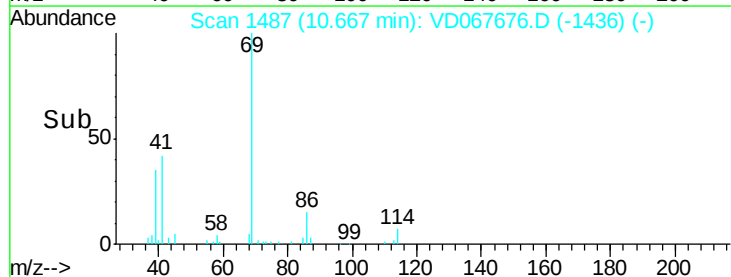
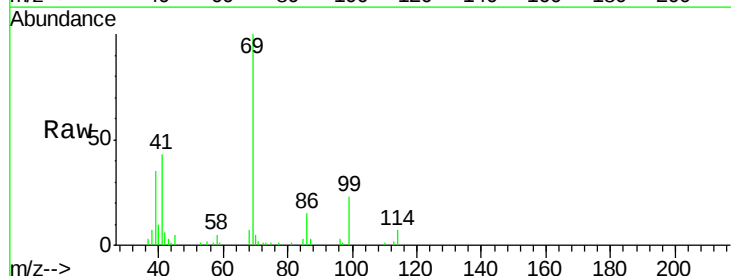
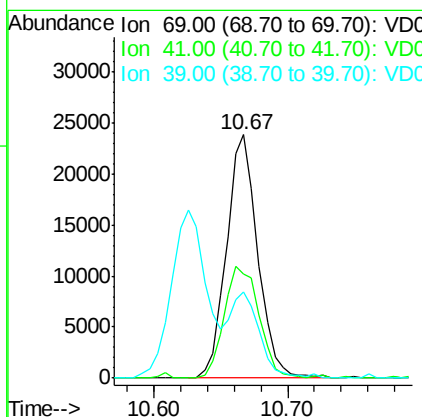
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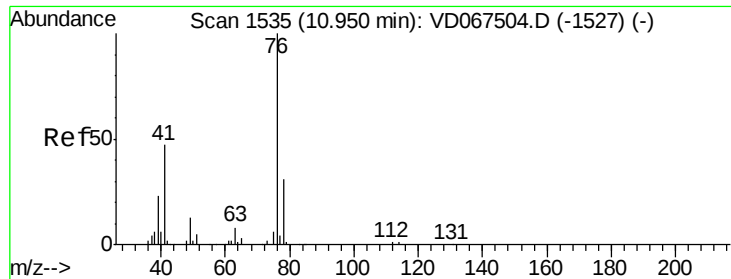
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#56
 Ethyl methacrylate
 Concen: 21.466 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Tgt Ion:	69	Resp:	39034
Ion	Ratio	Lower	Upper
69	100		
41	51.2	45.4	68.0
39	34.3	27.4	41.0





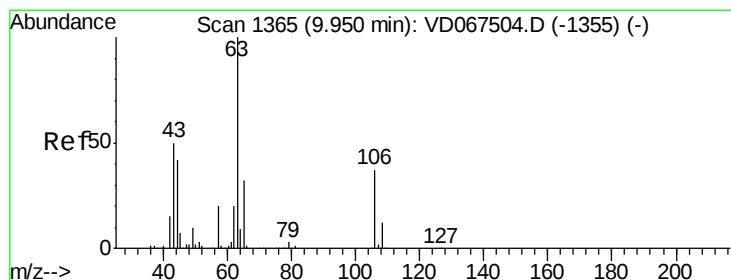
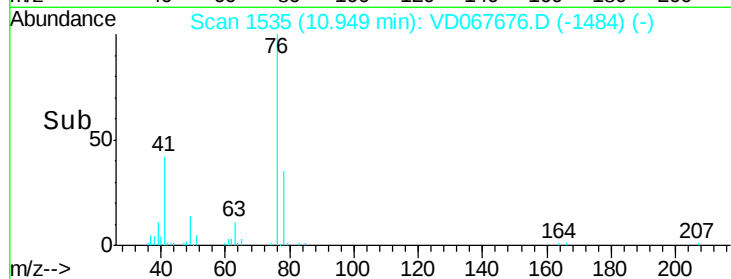
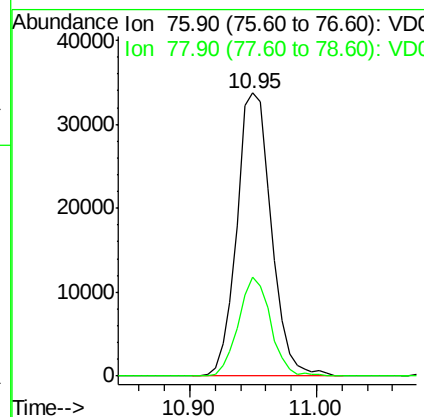
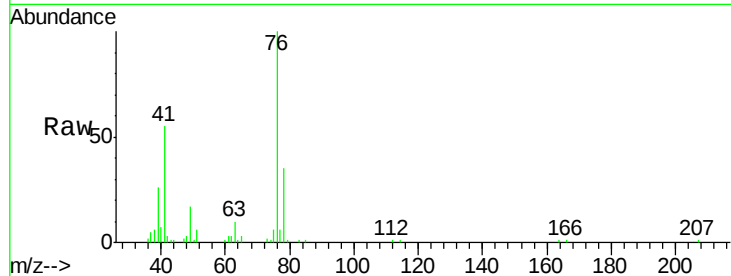
#57
 1,3-Dichloropropane
 Concen: 22.327 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.7	26.1	39.1

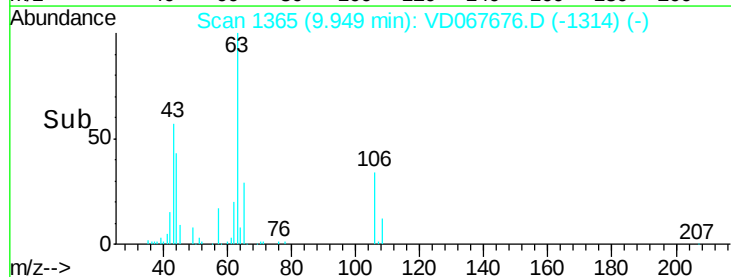
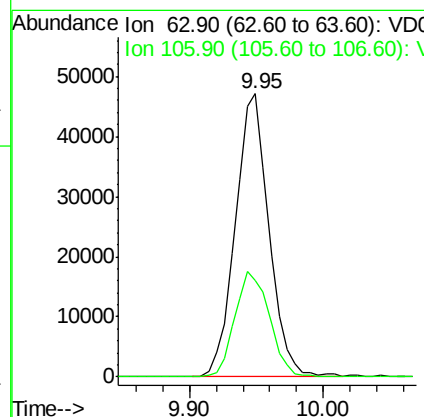
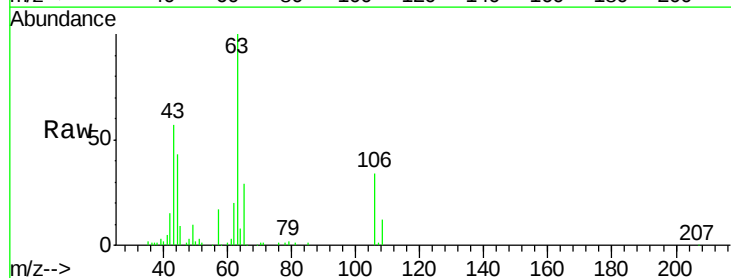
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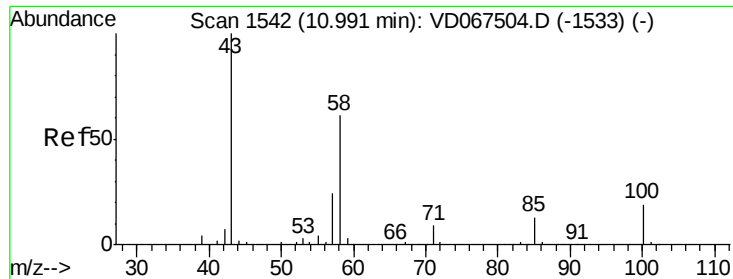
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 11/19/2020 11:07:03 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.399 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
63	100		
106	38.1	29.2	43.8





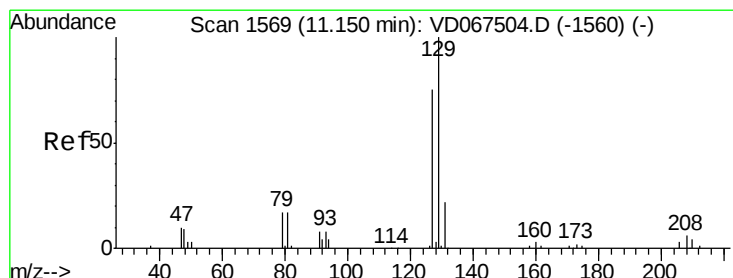
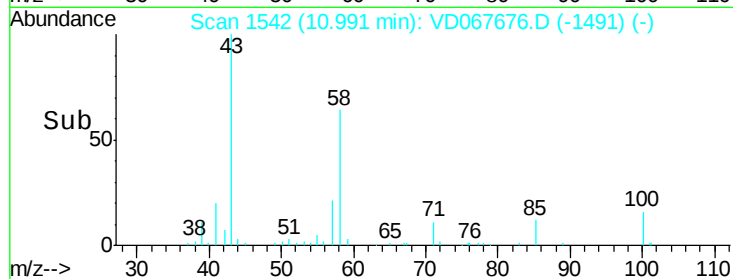
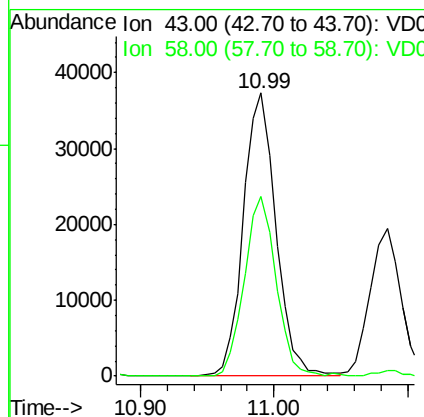
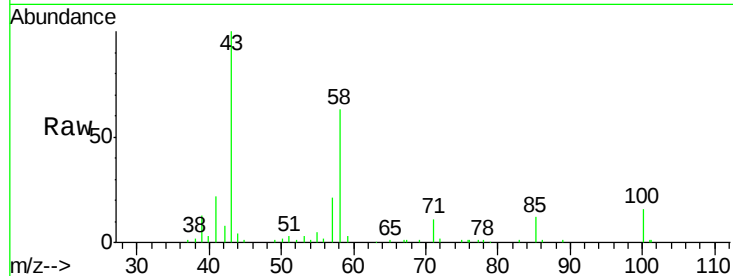
#59
2-Hexanone
Concen: 102.501 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 43 Resp: 62899
Ion Ratio Lower Upper
43 100
58 61.6 30.3 90.9

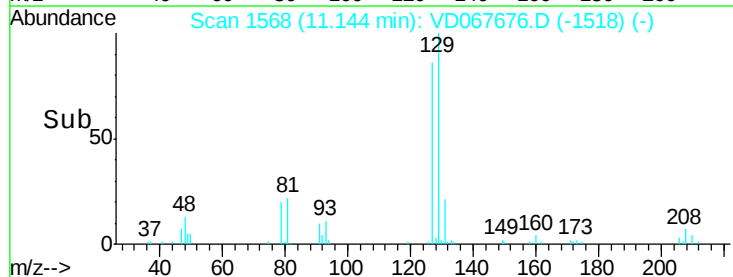
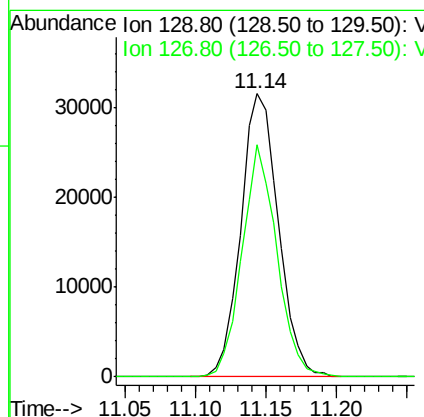
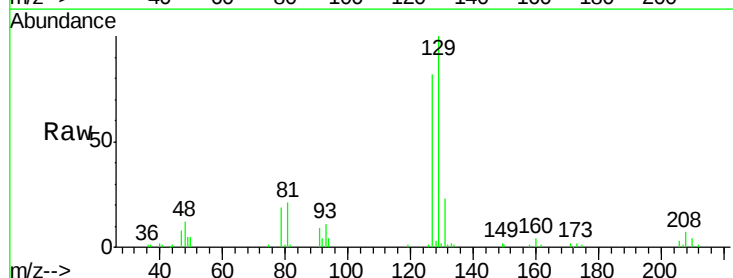
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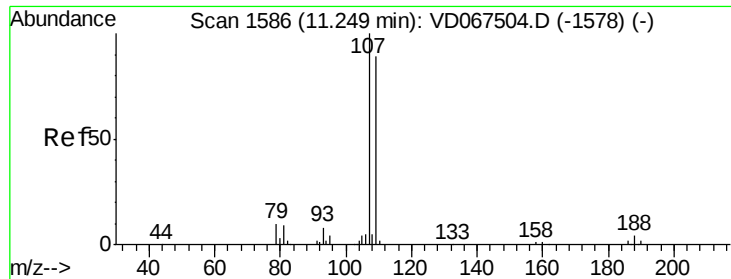
MMDadoda
11/19/2020 11:07:03 AM



#60
Dibromochloromethane
Concen: 22.563 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion: 129 Resp: 58773
Ion Ratio Lower Upper
129 100
127 76.1 38.0 114.1





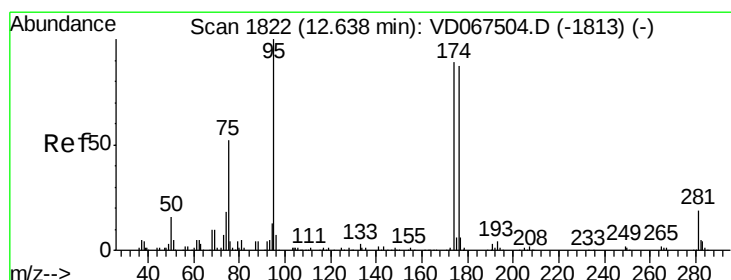
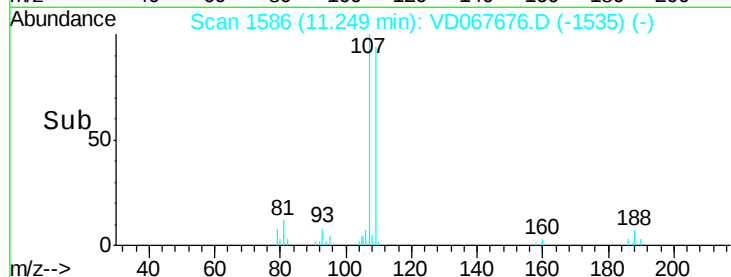
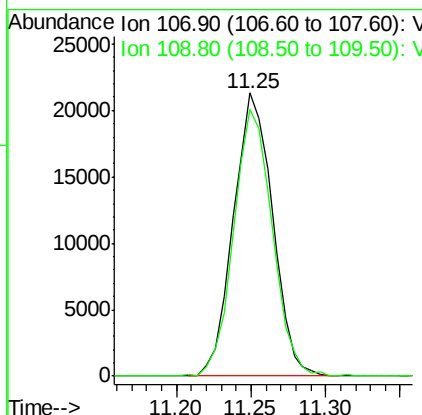
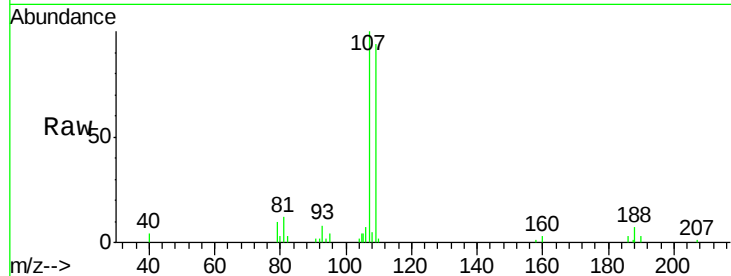
#61
1,2-Dibromoethane
Concen: 21.985 ug/l
RT: 11.25 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 107 Resp: 38855
Ion Ratio Lower Upper
107 100
109 92.9 74.6 111.8

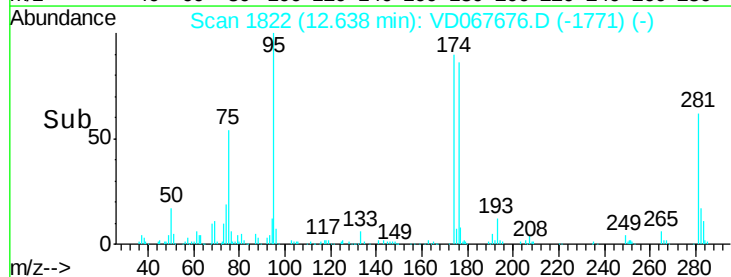
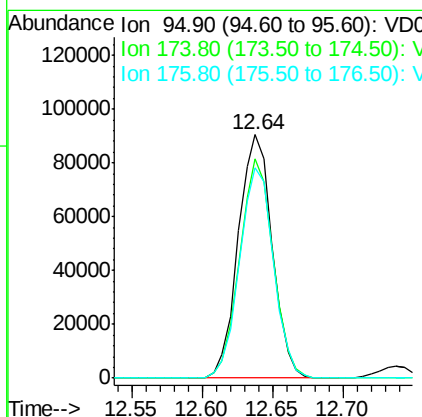
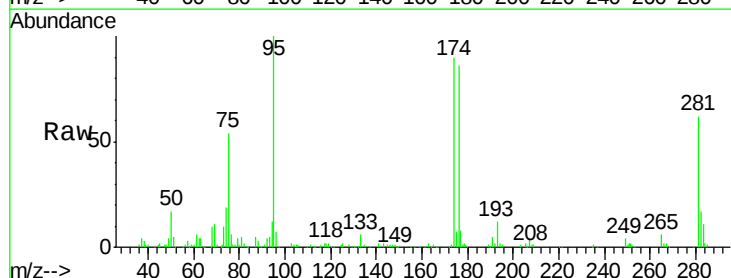
Manual Integrations
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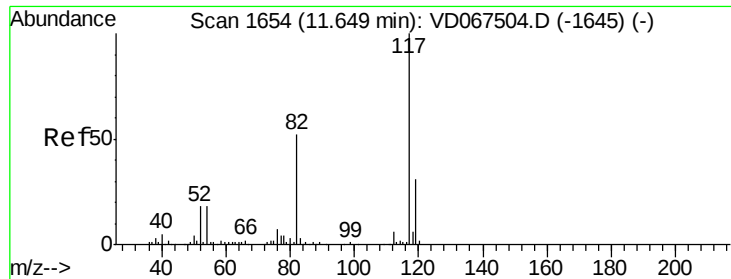
MMDadoda
11/19/2020 11:07:03 AM



#62
4-Bromofluorobenzene
Concen: 49.774 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion: 95 Resp: 151920
Ion Ratio Lower Upper
95 100
174 88.8 0.0 177.8
176 86.6 0.0 172.0





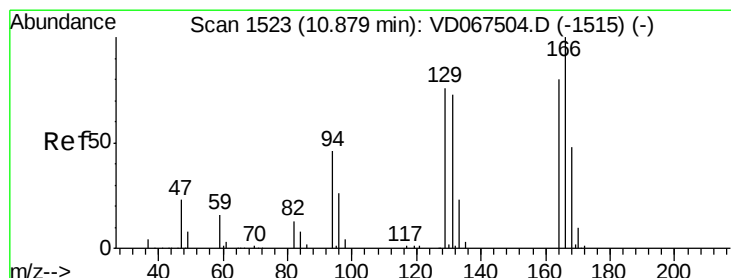
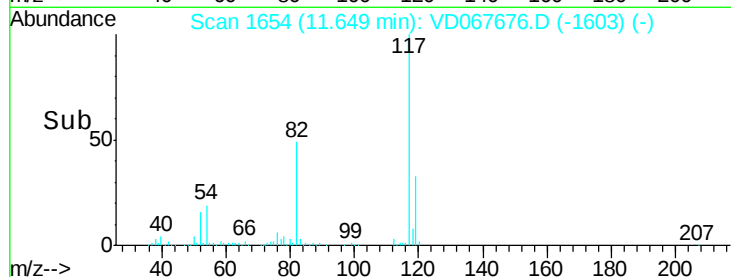
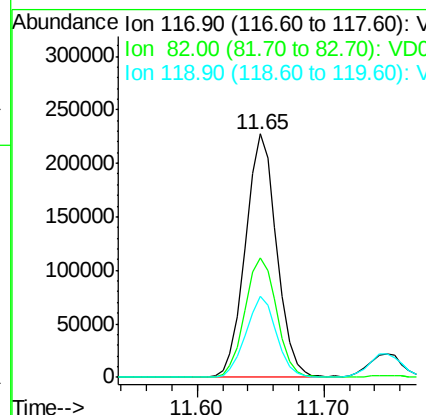
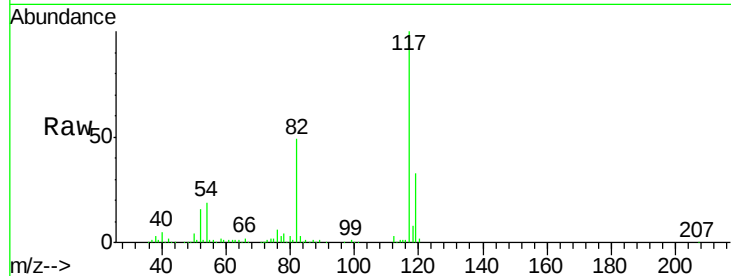
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	388369		
82	49.3		41.6	62.4
119	33.1		25.1	37.7

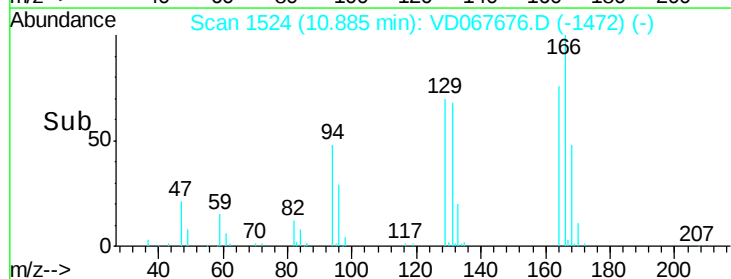
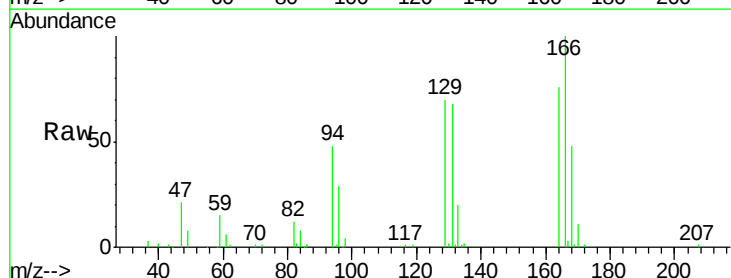
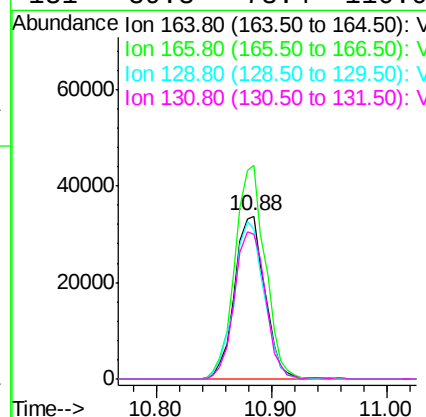
Manual Integrations
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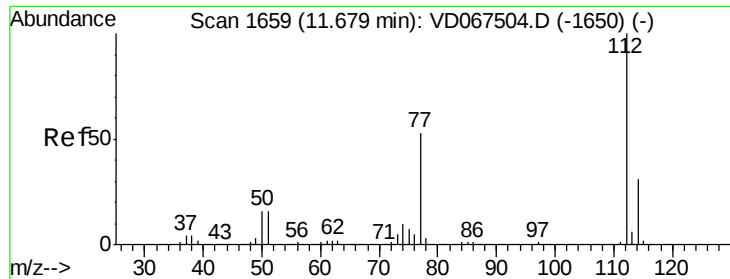
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11/19/2020 11:07:03 AM



#64
Tetrachloroethene
Concen: 21.293 ug/l
RT: 10.88 min Scan# 1524
Delta R.T. 0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	61245		
166	131.4		99.9	149.9
129	92.0		75.5	113.3
131	89.3		73.4	110.0





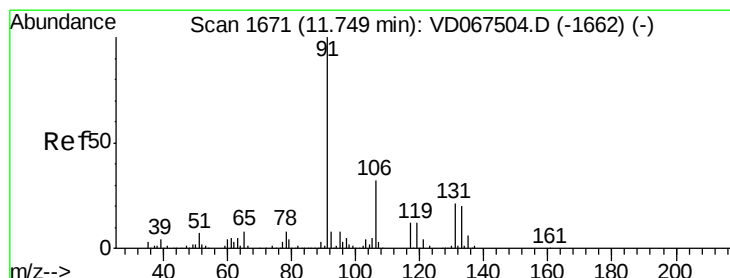
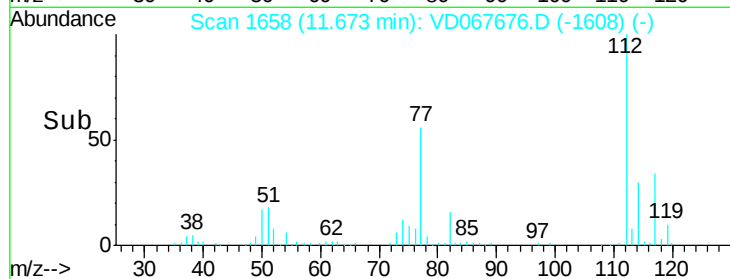
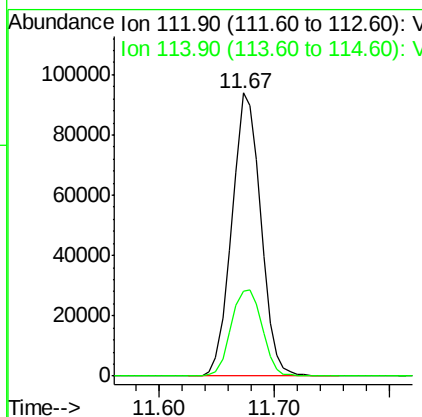
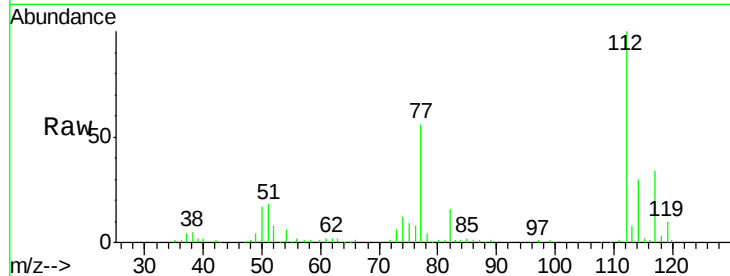
#65
Chlorobenzene
Concen: 21.813 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion:112 Resp: 163183
Ion Ratio Lower Upper
112 100
114 30.2 24.9 37.3

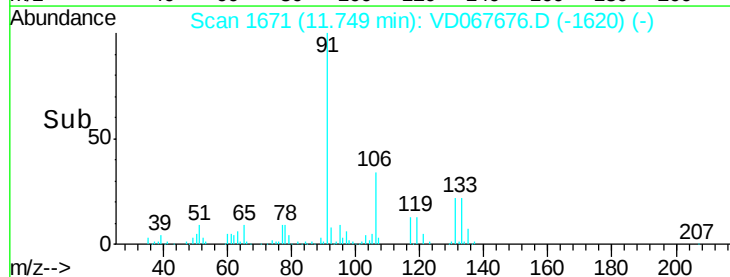
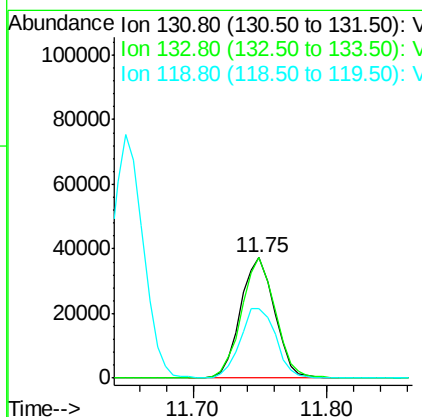
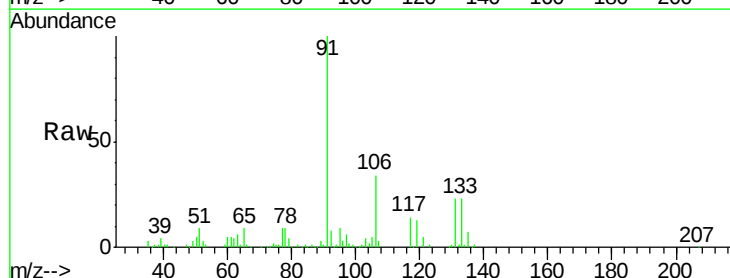
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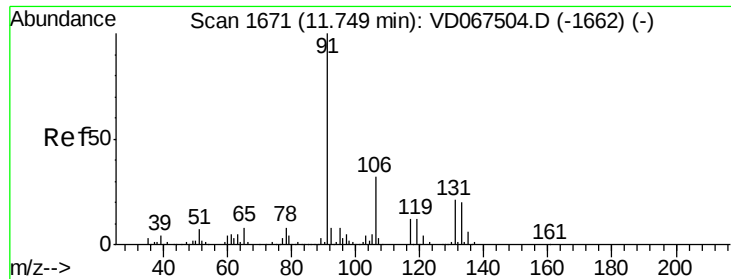
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.327 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion:131 Resp: 65831
Ion Ratio Lower Upper
131 100
133 99.0 48.0 144.0
119 60.6 30.1 90.5





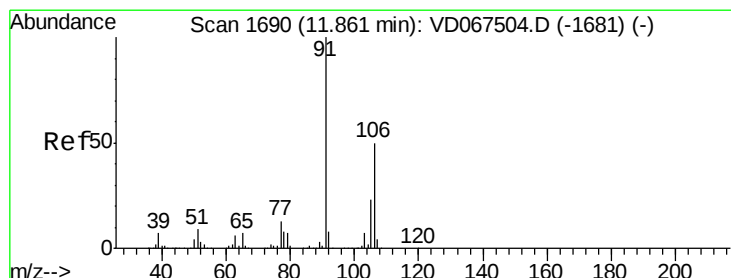
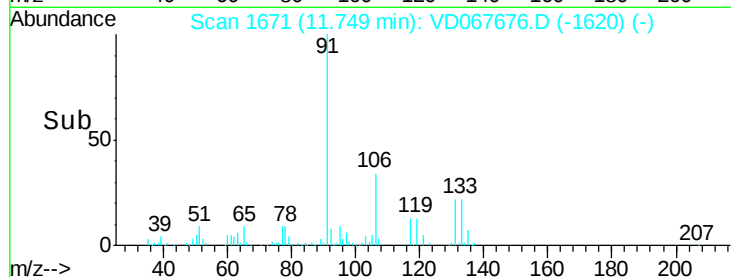
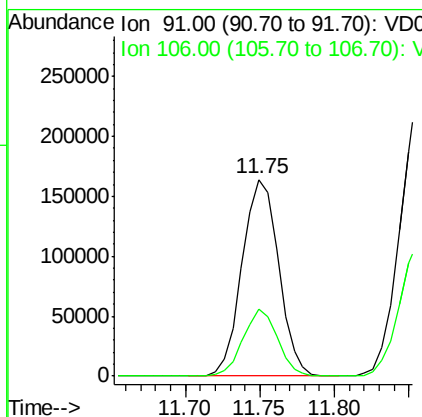
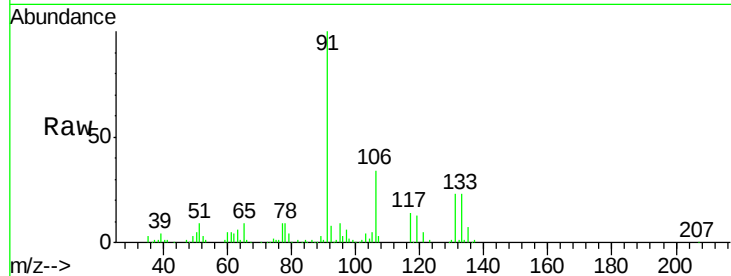
#67
Ethyl Benzene
Concen: 21.805 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion: 91 Resp: 279144
Ion Ratio Lower Upper
91 100
106 34.3 25.7 38.5

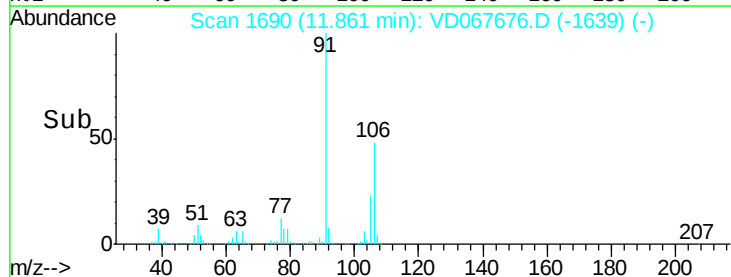
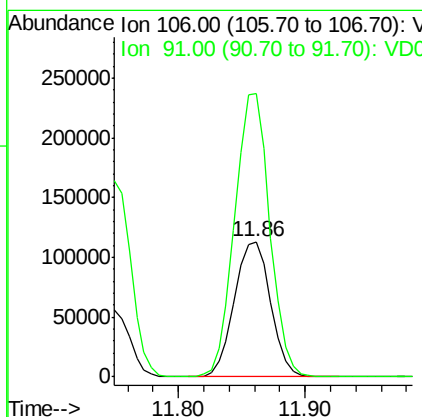
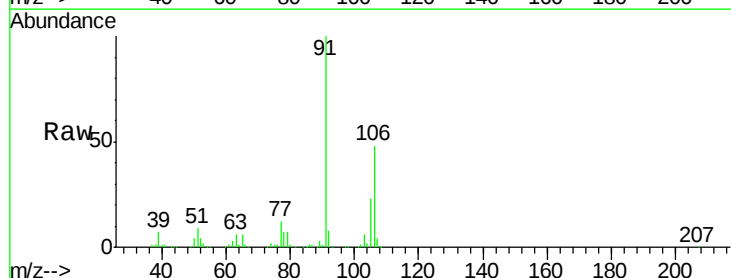
Manual Integrations
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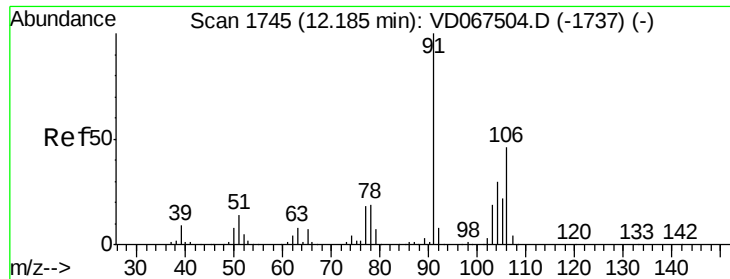
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#68
m/p-Xylenes
Concen: 44.952 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion: 106 Resp: 223880
Ion Ratio Lower Upper
106 100
91 202.6 162.6 244.0





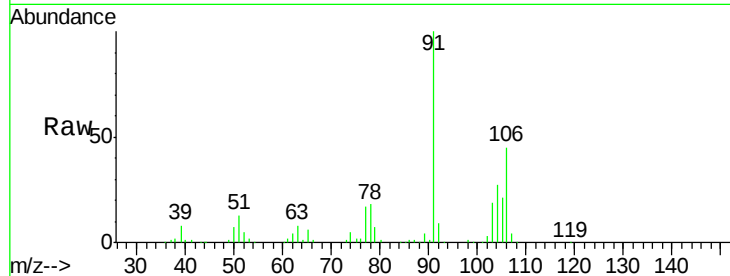
#69
o-Xylene
Concen: 22.012 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

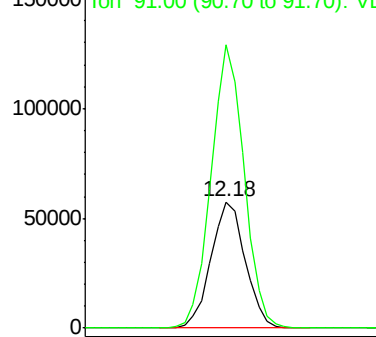
Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	215.6	107.1	321.1	

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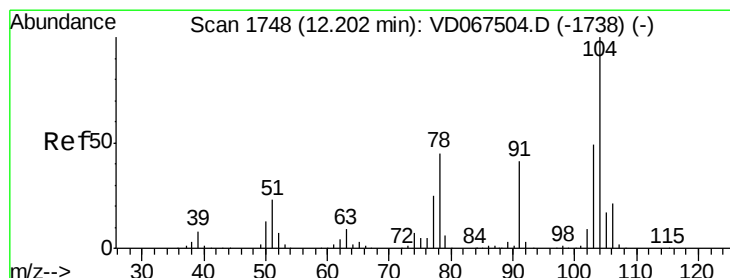
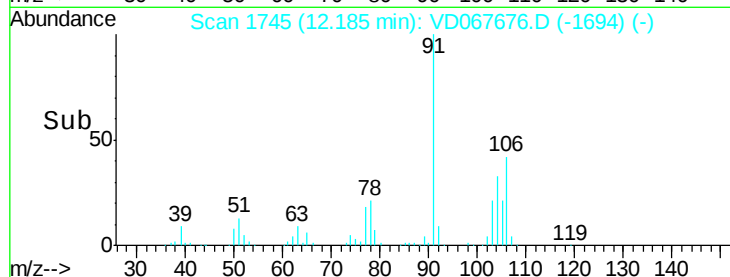
MMDadoda
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Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

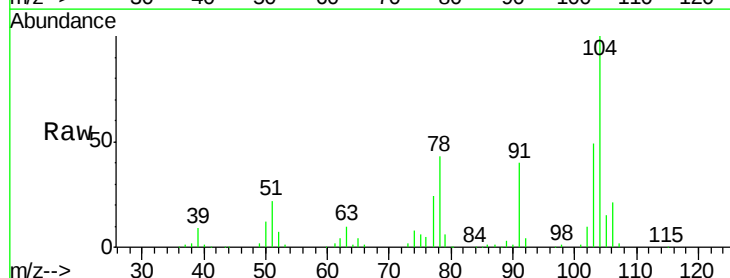


Time--> 12.10 12.15 12.20 12.25

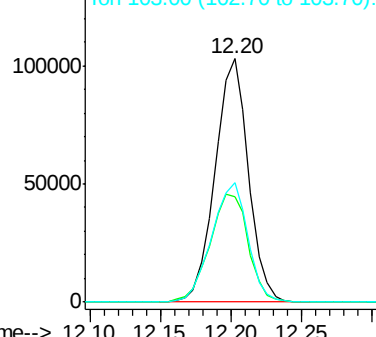


#70
Styrene
Concen: 21.966 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

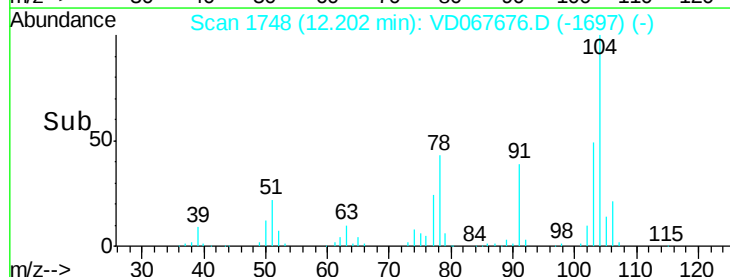
Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	51.2	39.8	59.8	
103	53.4	43.9	65.9	

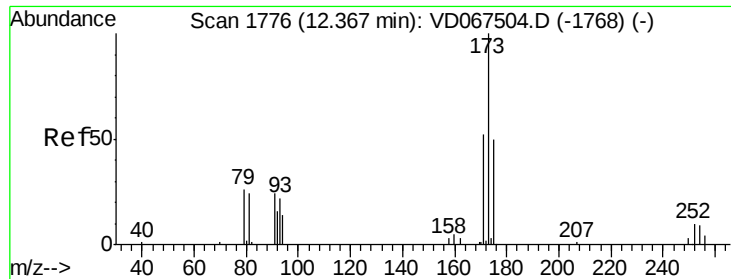


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V



Time--> 12.10 12.15 12.20 12.25





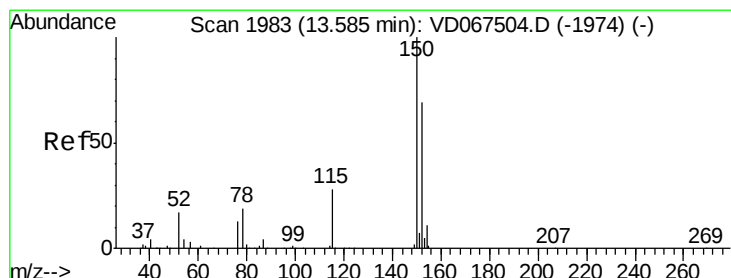
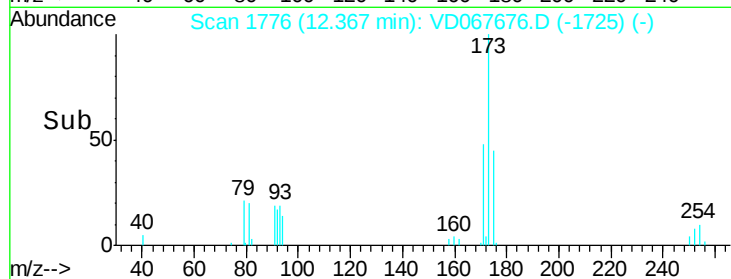
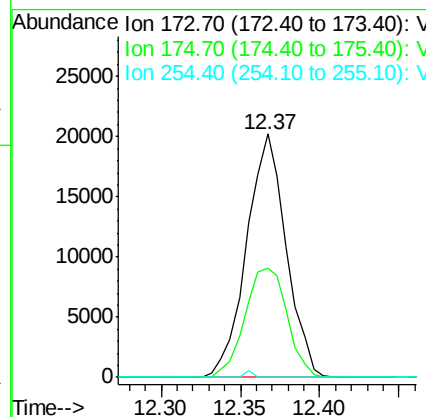
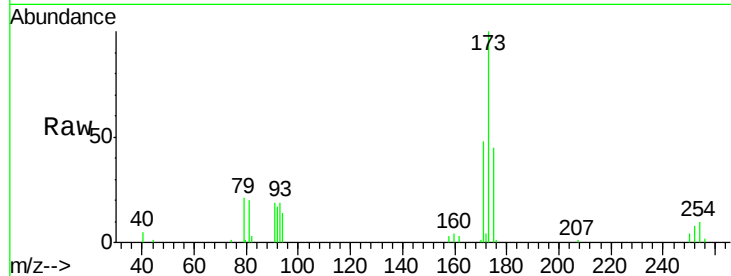
#71
Bromoform
Concen: 23.297 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.1	72.2
254	0.6	0.0	0.0

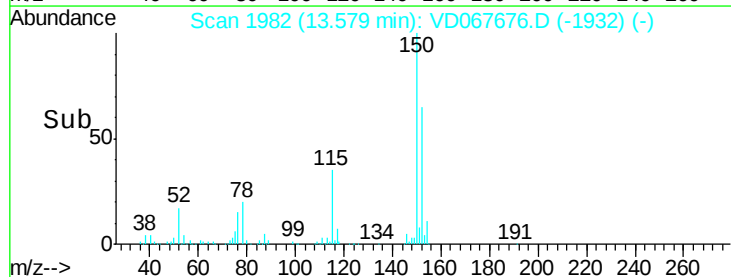
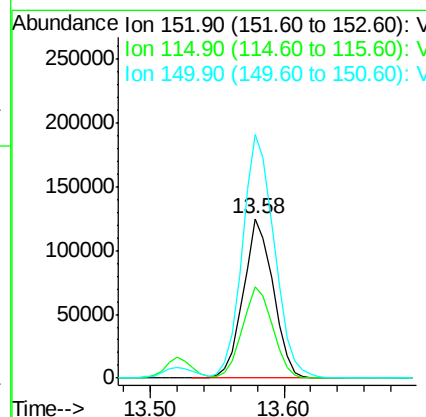
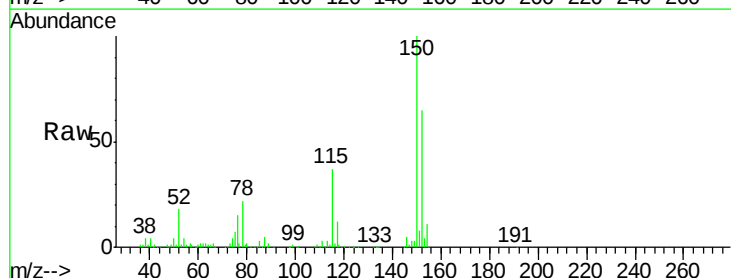
Manual Integrations
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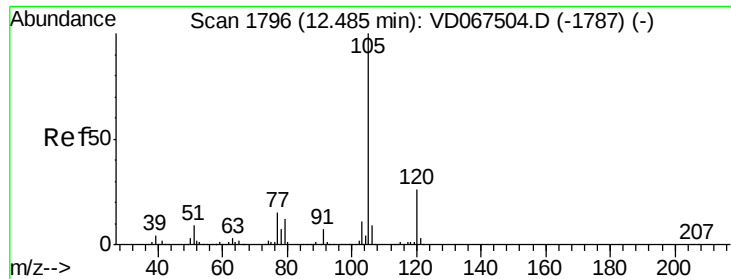
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.0	29.3	88.0
150	163.1	0.0	338.2





#73

Isopropylbenzene

Concen: 22.595 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:105 Resp: 281839

Ion Ratio Lower Upper

105 100

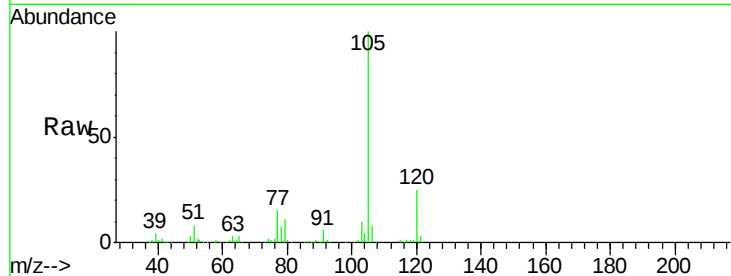
120 26.5 13.2 39.6

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

200000

150000

100000

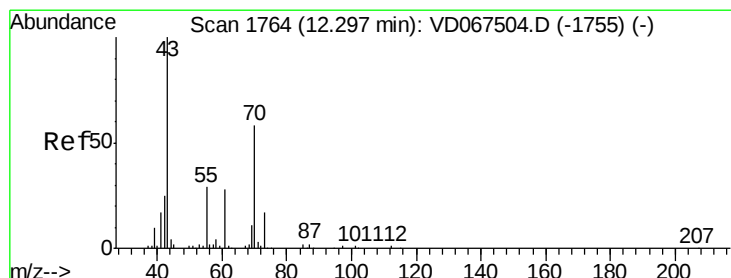
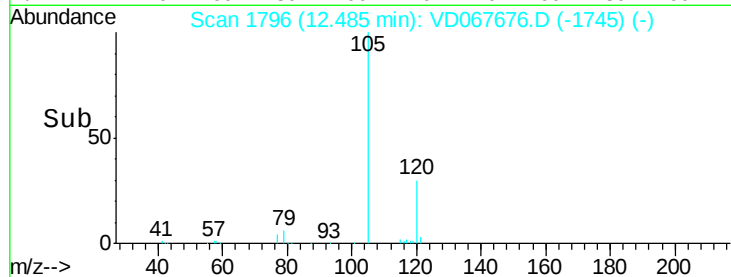
50000

0

12.40

12.50

Time-->



#74

N-ethyl acetate

Concen: 20.889 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Tgt Ion: 43 Resp: 34286

Ion Ratio Lower Upper

43 100

70 56.0 42.6 64.0

55 31.1 23.7 35.5

61 28.9 21.9 32.9

Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

30000

20000

10000

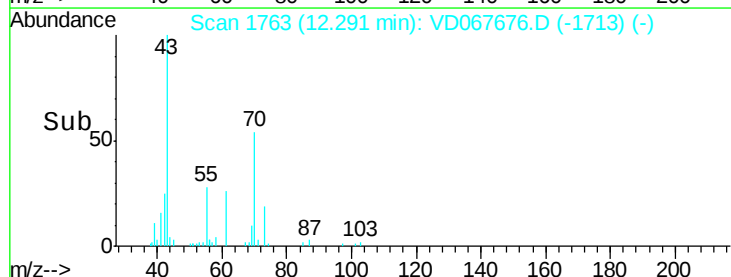
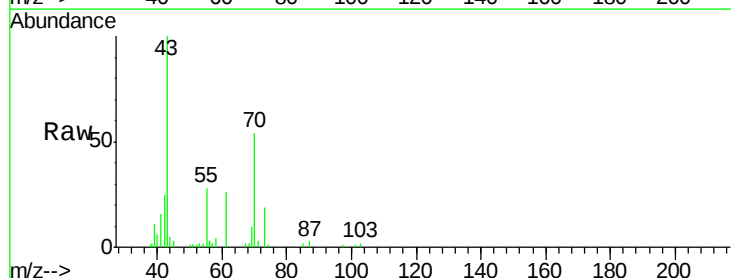
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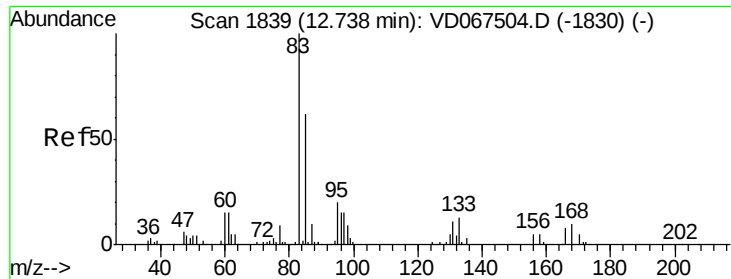
12.25

12.30

12.35

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.748 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

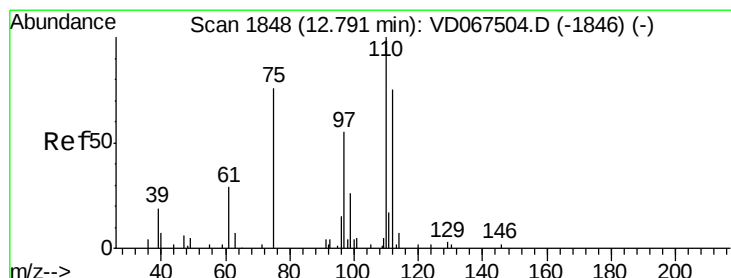
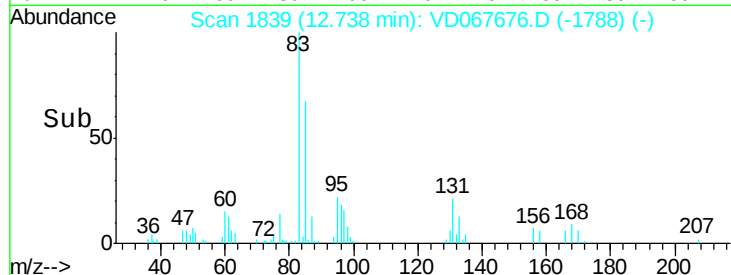
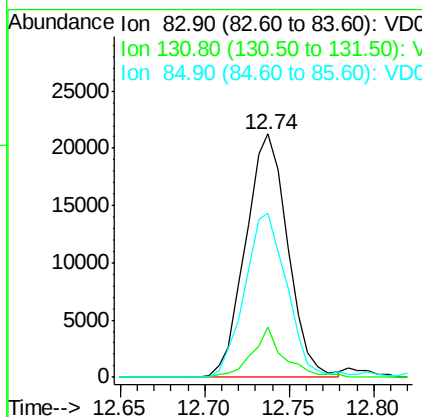
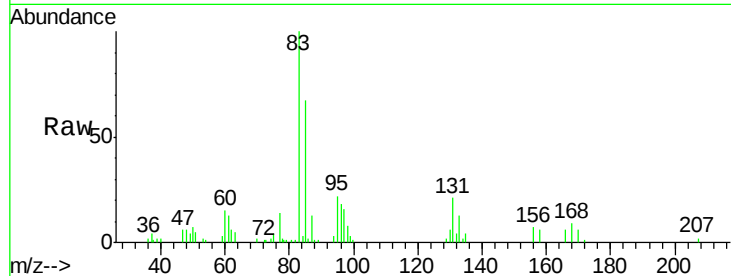
ClientSampleId :

VD1118SBS01

Tot Ion:	83	Resp:	36991
Ion Ratio	Lower	Upper	
83	100		
131	15.7	7.1	21.3
85	67.4	32.9	98.7

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#76

1,2,3-Trichloropropane

Concen: 16.531 ug/l m

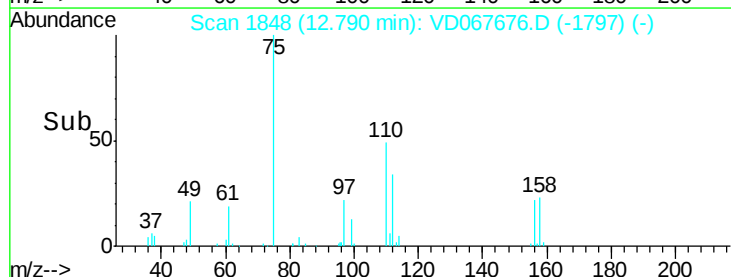
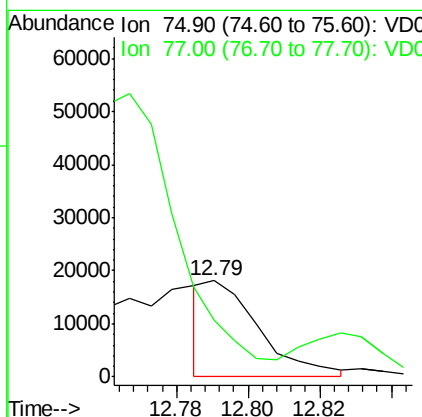
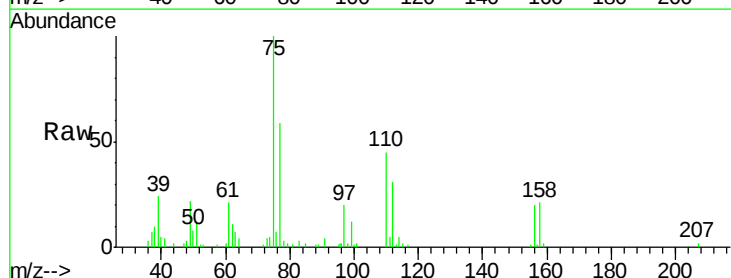
RT: 12.79 min Scan# 1848

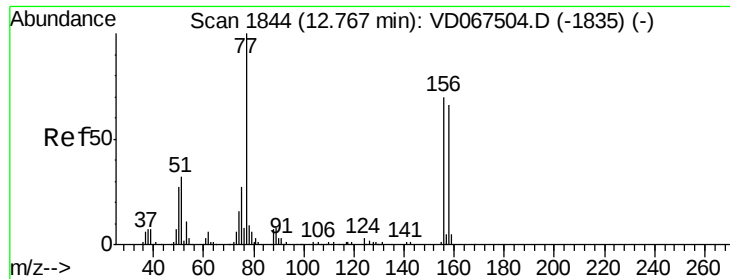
Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Tgt Ion:	75	Resp:	19247
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





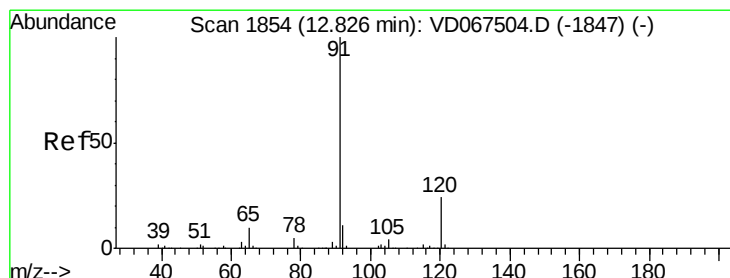
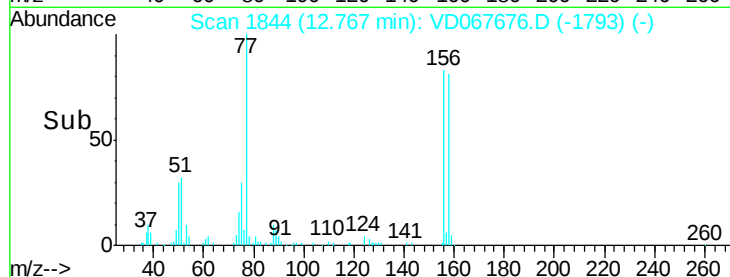
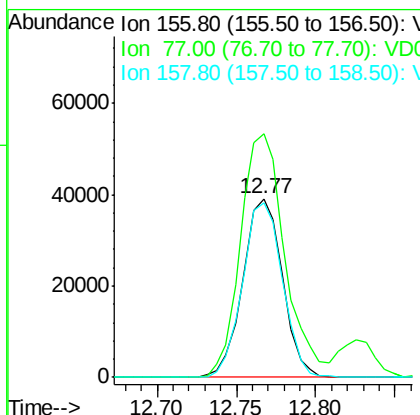
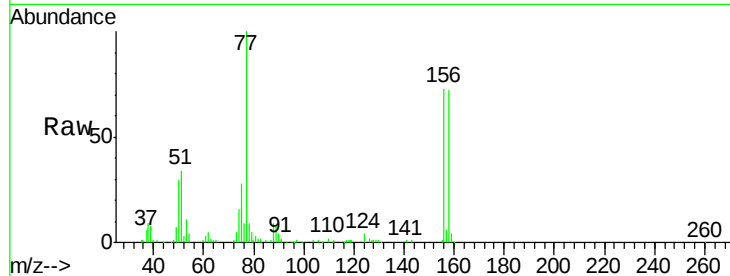
#77
Bromobenzene
Concen: 22.186 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	152.8	77.8	233.5
158	98.7	47.9	143.7

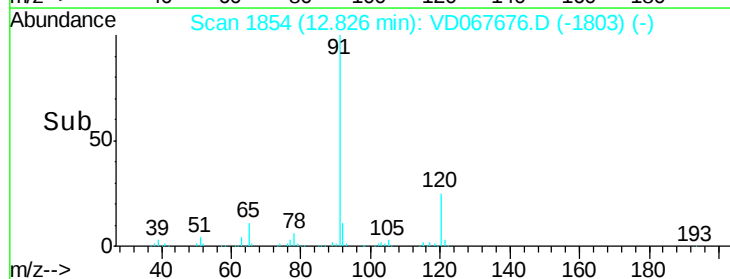
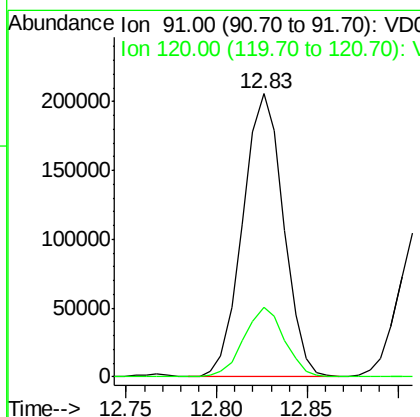
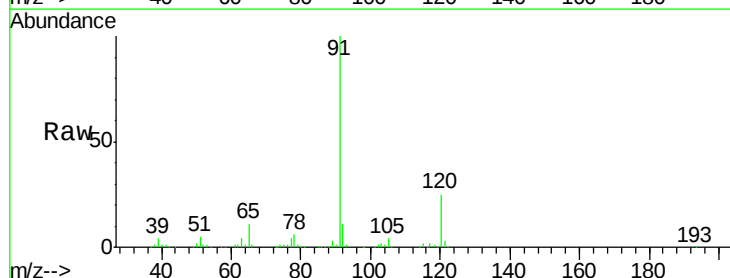
Manual Integrations
APPROVED

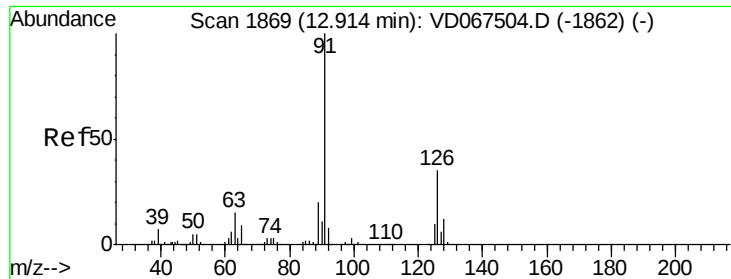
MMDadoda
11/19/2020 11:07:03 AM



#78
n-propylbenzene
Concen: 22.558 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.6	12.2	36.4





#79

2-Chlorotoluene

Concen: 23.088 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion: 91 Resp: 187121

Ion Ratio Lower Upper

91 100

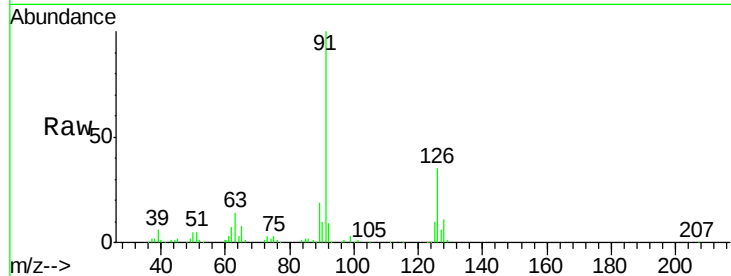
126 35.4 17.8 53.4

Manual Integrations

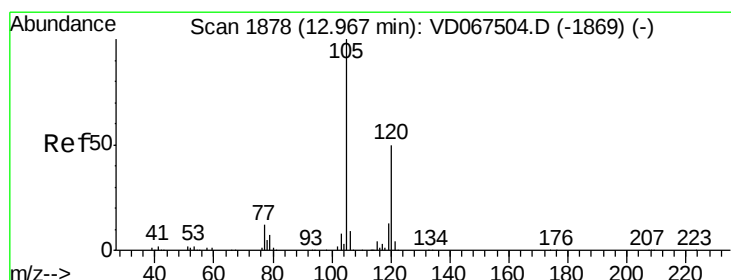
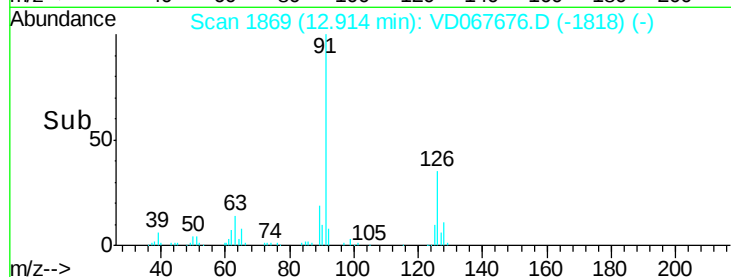
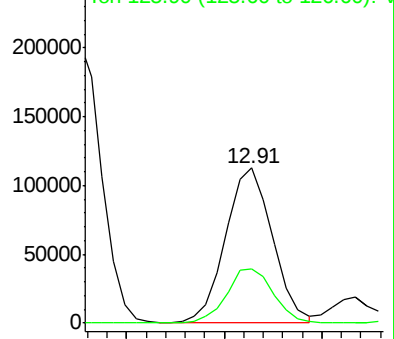
APPROVED

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



#80

1,3,5-Trimethylbenzene

Concen: 22.765 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD067676.D

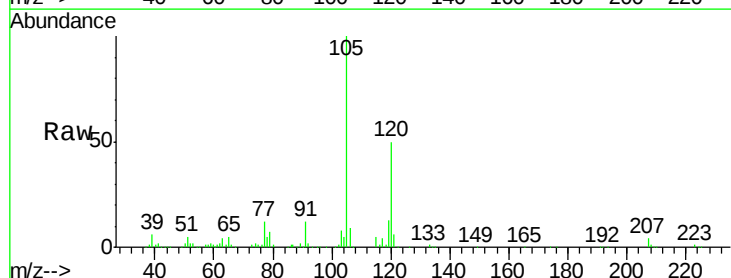
Acq: 18 Nov 2020 10:53

Tgt Ion:105 Resp: 242567

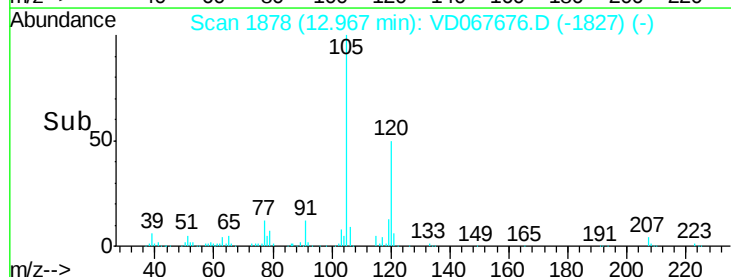
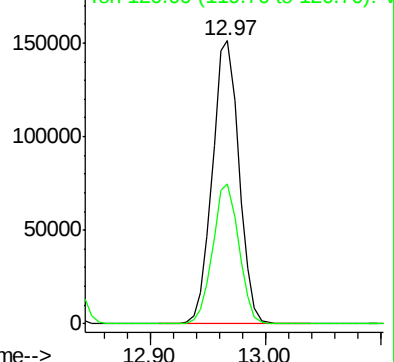
Ion Ratio Lower Upper

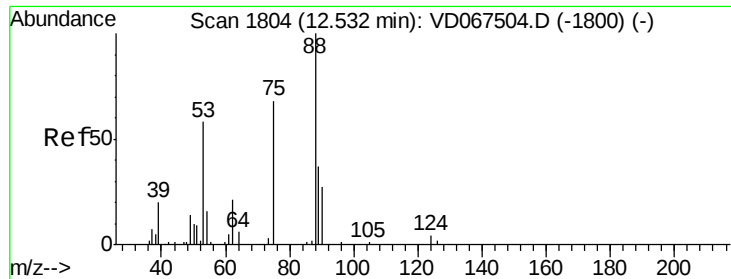
105 100

120 48.6 24.3 72.8



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





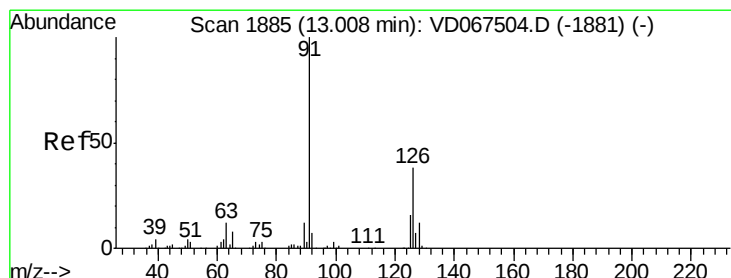
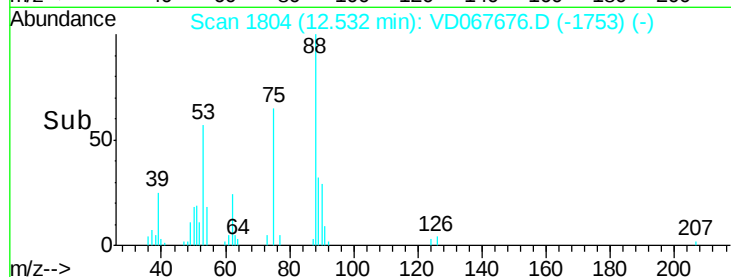
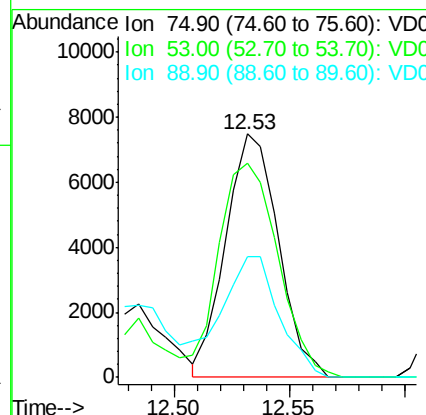
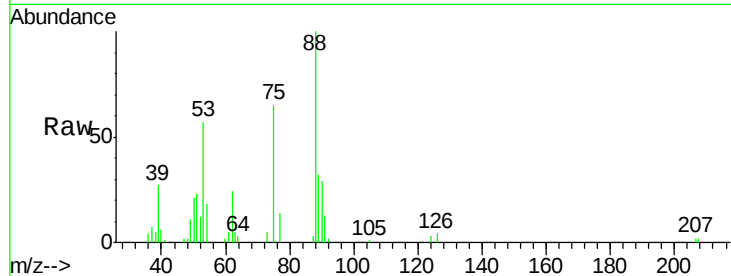
#81
trans-1,4-Dichloro-2-butene
Concen: 20.709 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	99.9	75.9	113.9
89	53.4	44.6	67.0

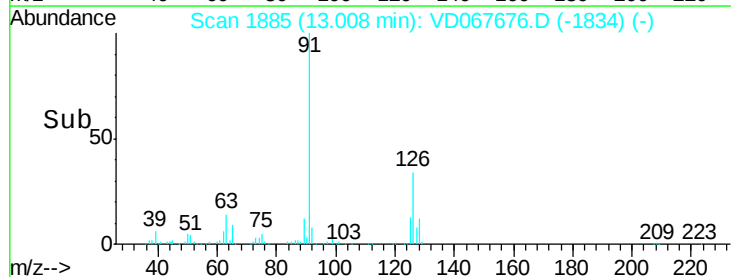
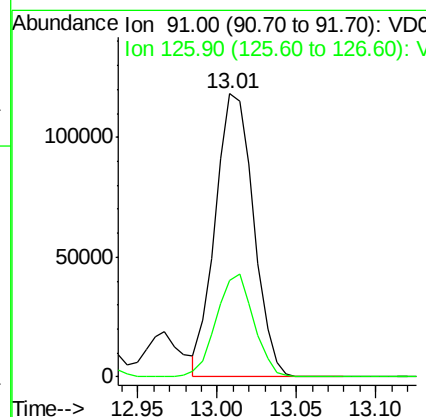
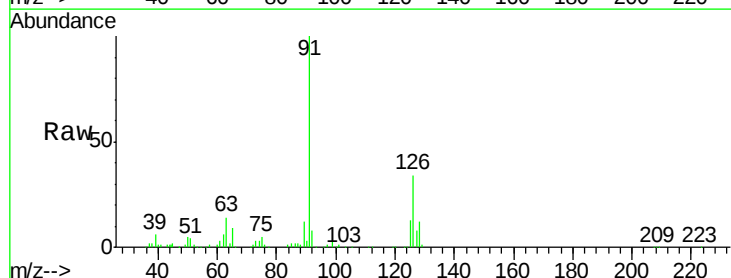
Manual Integrations
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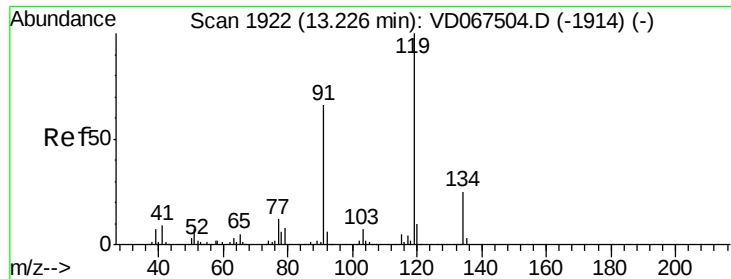
MMDadoda
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#82
4-Chlorotoluene
Concen: 22.825 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.9	53.7





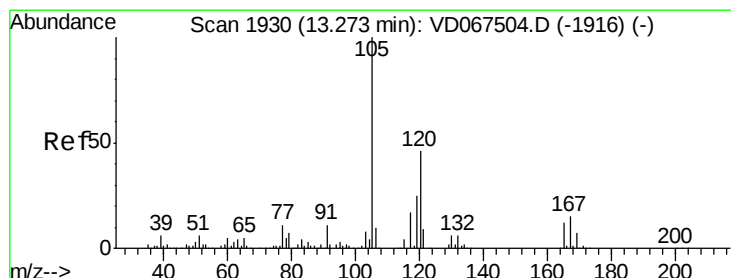
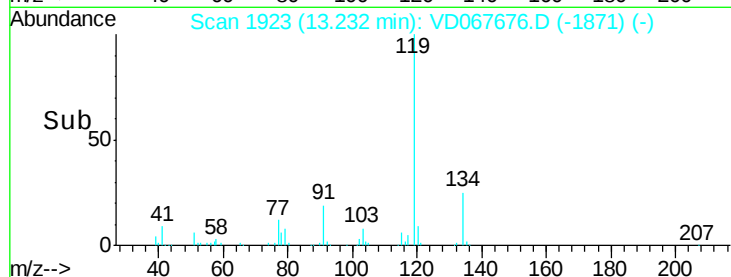
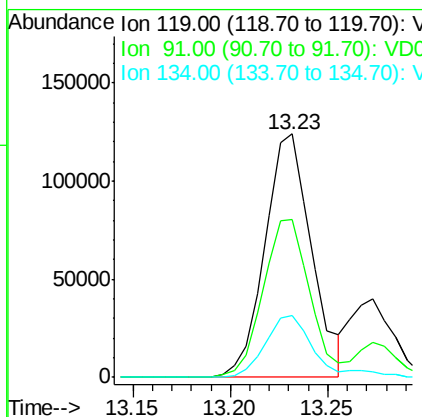
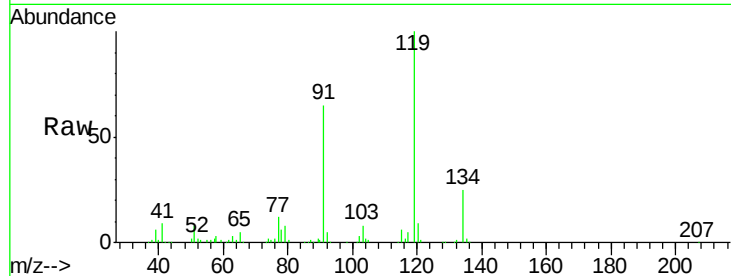
#83
tert-Butylbenzene
Concen: 22.762 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	205552		
91	64.5		32.7	98.1
134	27.0		13.4	40.2

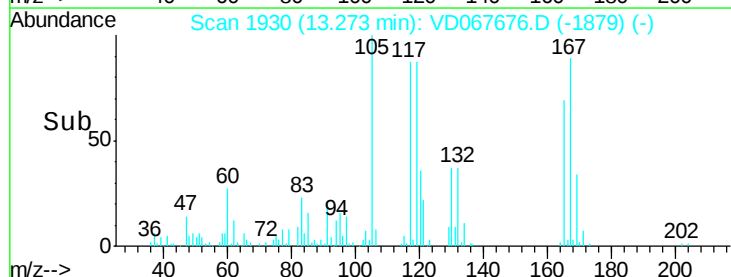
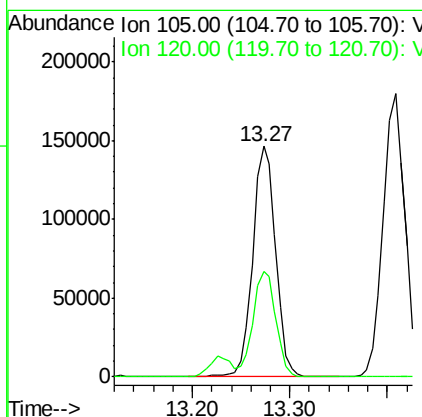
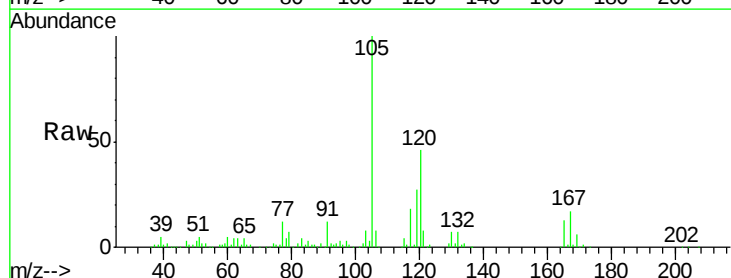
Manual Integrations
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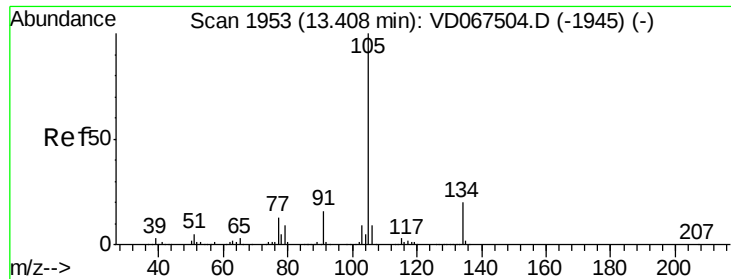
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#84
1,2,4-Trimethylbenzene
Concen: 22.861 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	242473		
120	46.0		22.1	66.1





#85

sec-Butylbenzene

Concen: 22.973 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

Instrument :

MSVOA_D

ClientSampleId :

VD1118SBS01

Tot Ion:105 Resp: 280054

Ion Ratio Lower Upper

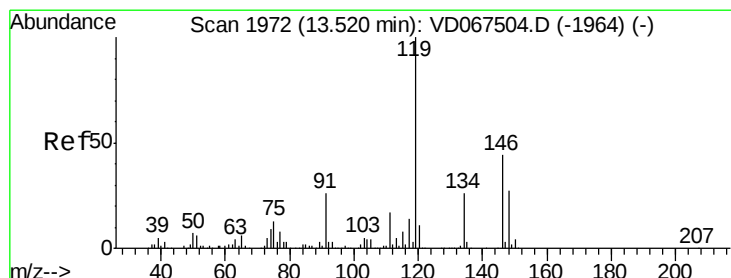
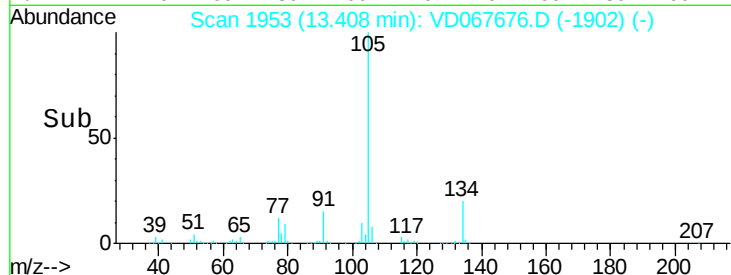
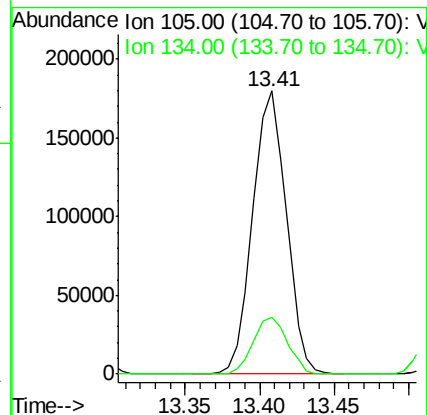
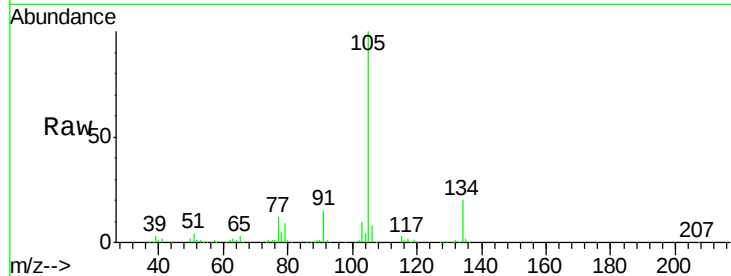
105 100

134 20.6 10.4 31.4

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 22.711 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067676.D

Acq: 18 Nov 2020 10:53

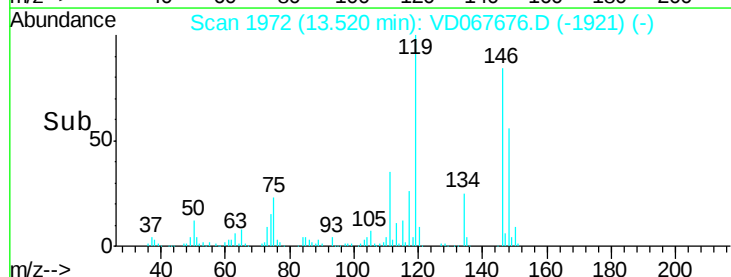
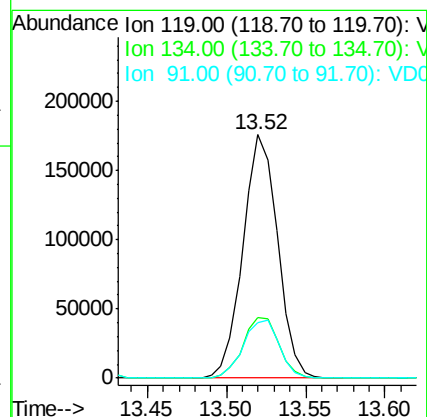
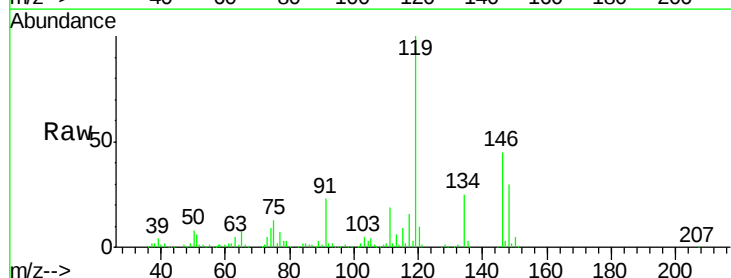
Tgt Ion:119 Resp: 267360

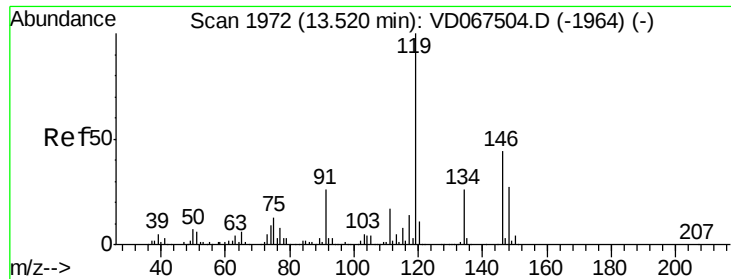
Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

91 24.9 12.2 36.4





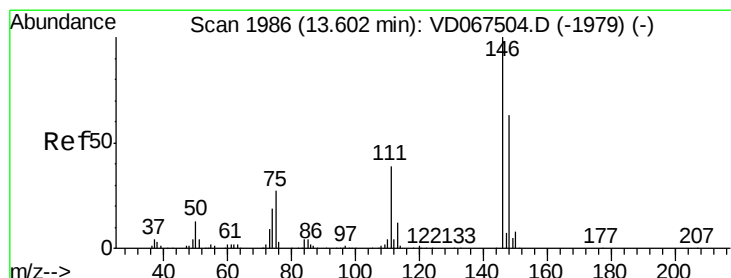
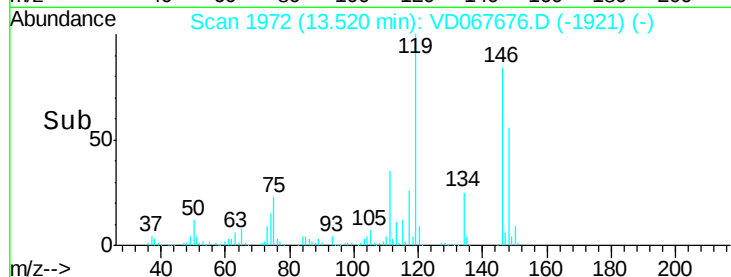
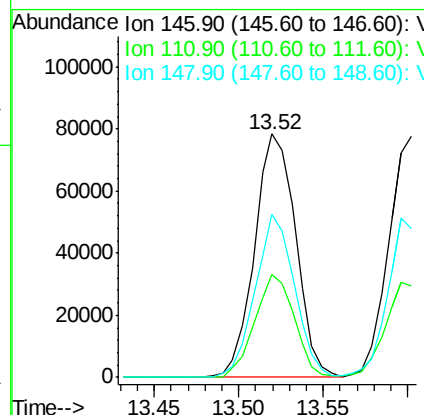
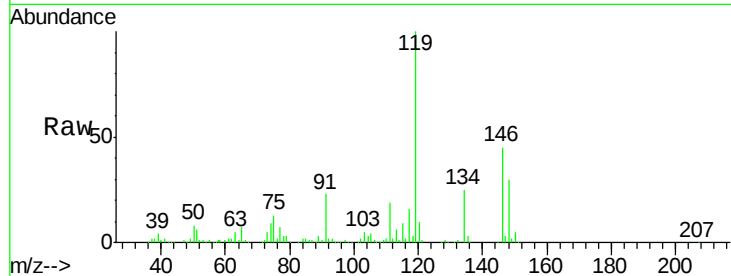
#87
 1,3-Dichlorobenzene
 Concen: 22.697 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	132672		
111	40.7	20.3	60.8	
148	64.4	31.9	95.9	

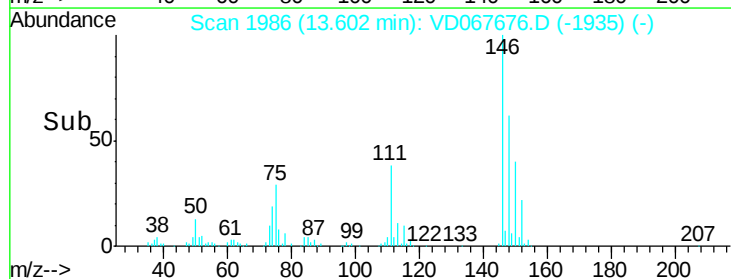
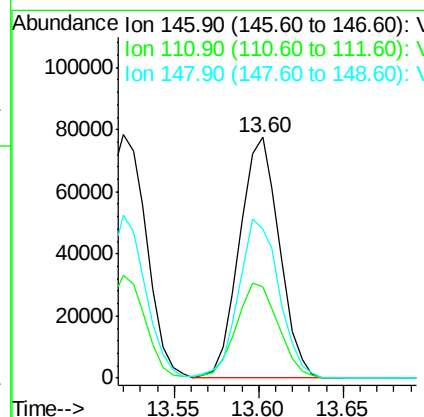
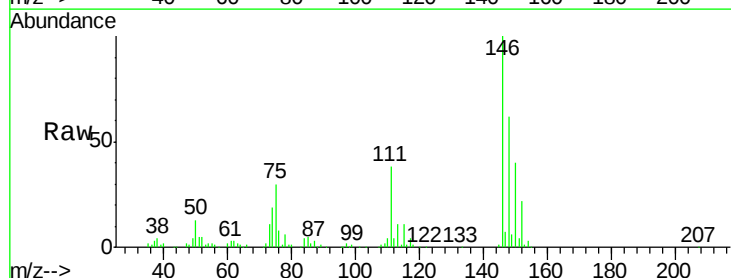
Manual Integrations
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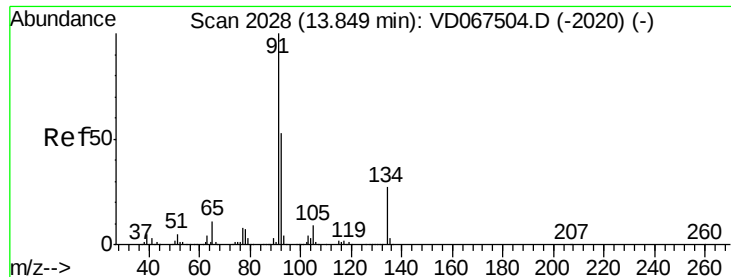
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#88
 1,4-Dichlorobenzene
 Concen: 21.593 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	127804		
111	41.7	19.6	58.7	
148	66.9	31.8	95.4	





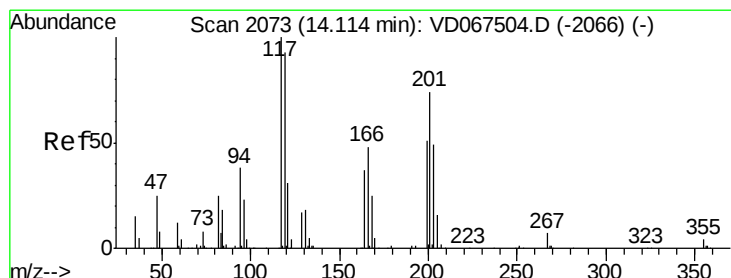
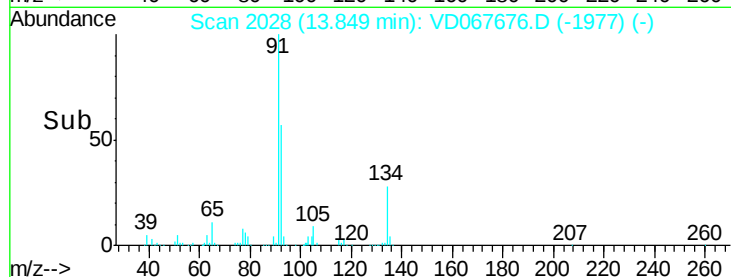
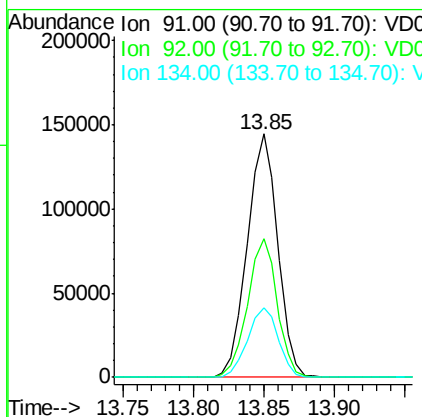
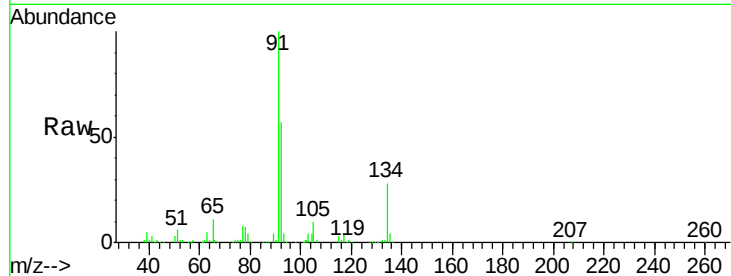
#89
n-Butylbenzene
Concen: 21.574 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
91	100		
92	55.2	26.6	79.8
134	28.8	14.1	42.2

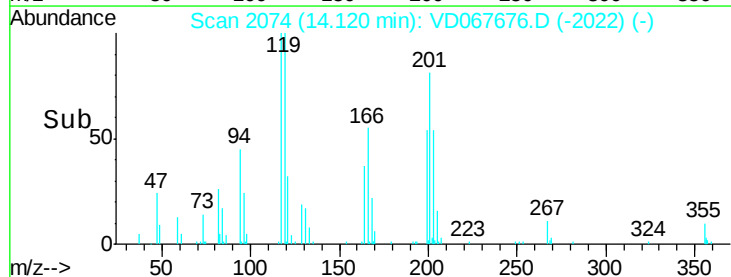
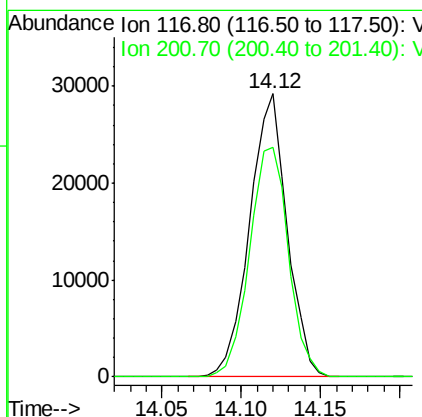
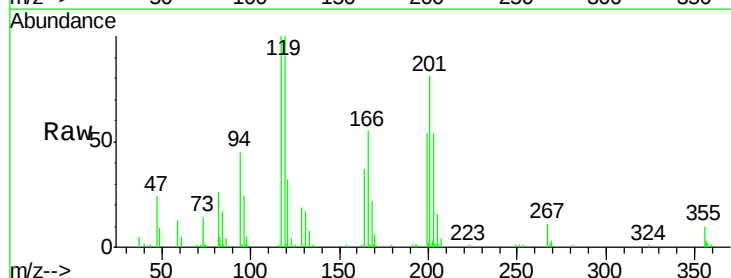
Manual Integrations
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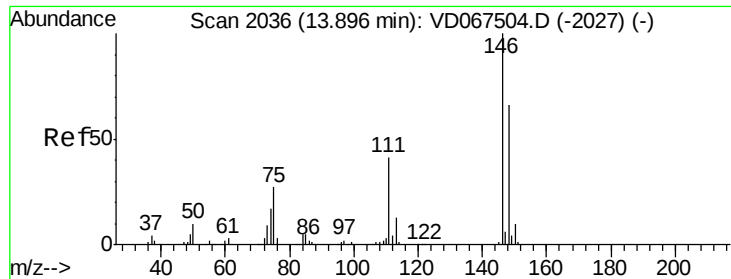
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#90
Hexachloroethane
Concen: 21.696 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.2	40.7	122.1





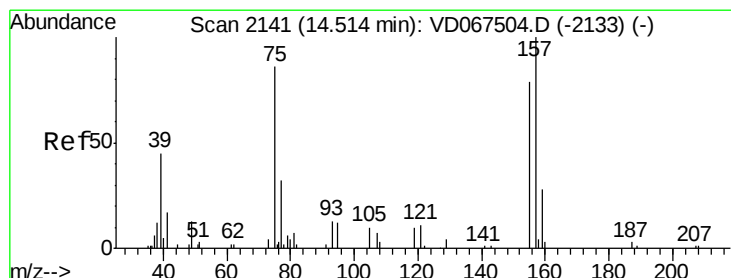
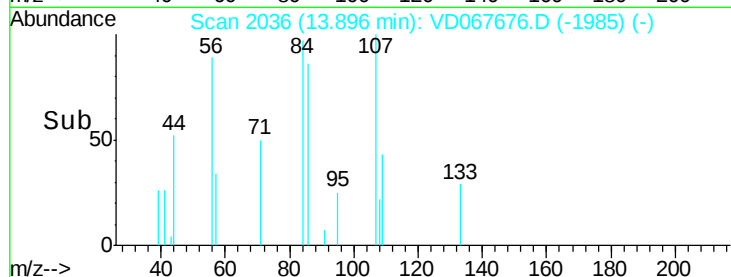
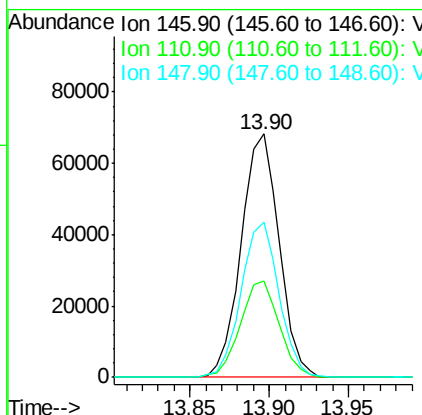
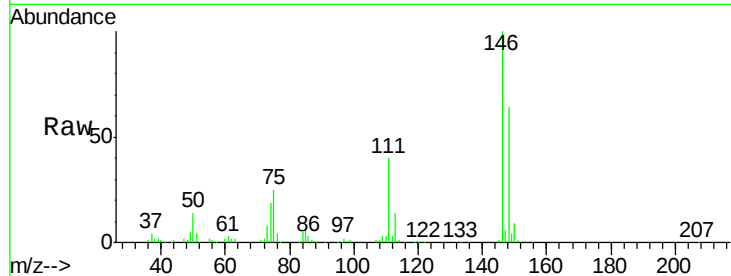
#91
 1,2-Dichlorobenzene
 Concen: 22.418 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.7	62.1
148	63.6	31.5	94.5

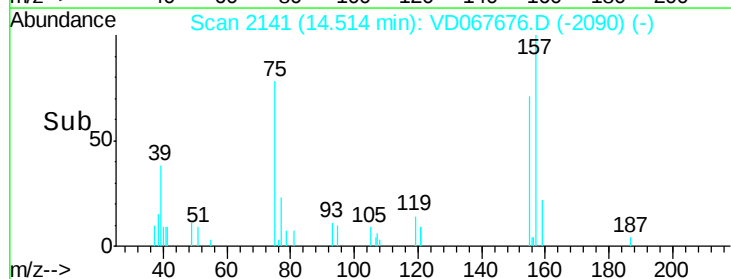
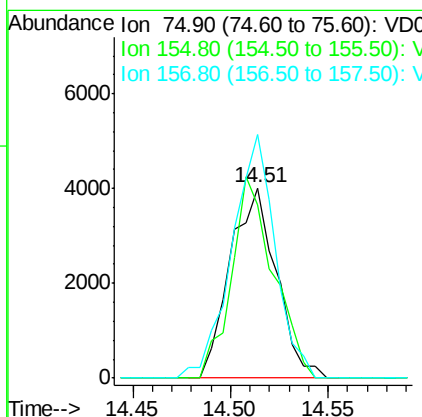
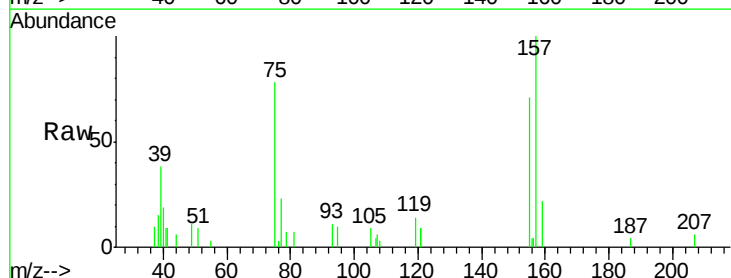
Manual Integrations
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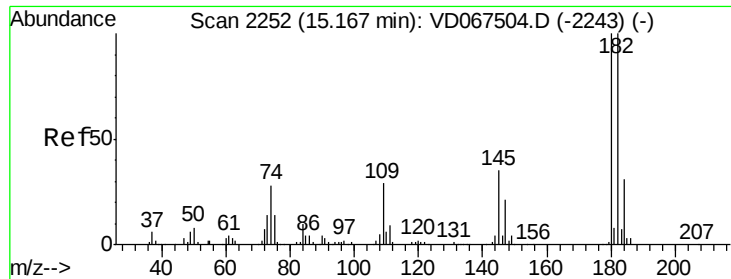
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.850 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.3	46.6	139.8
157	119.8	58.1	174.2





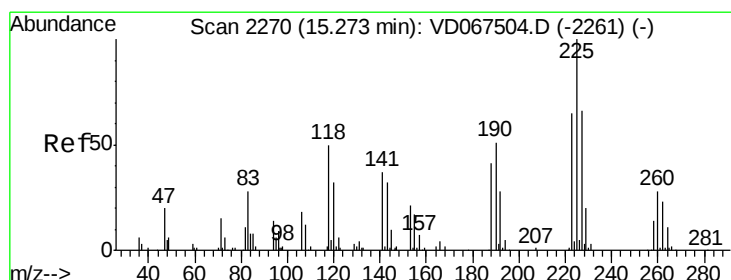
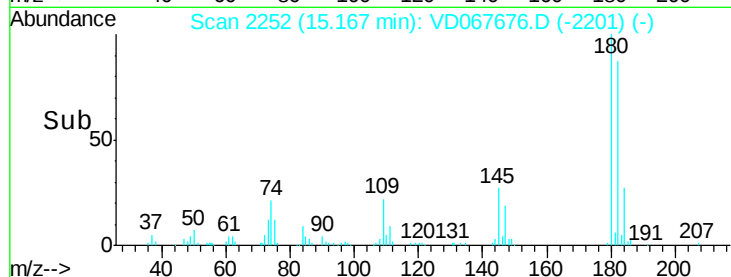
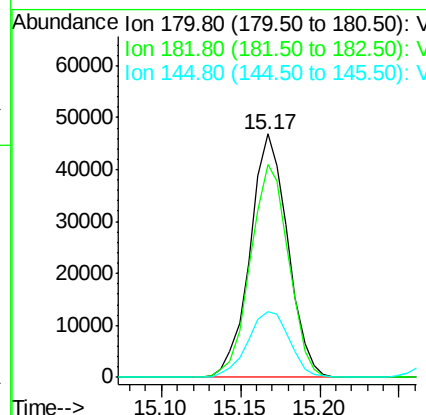
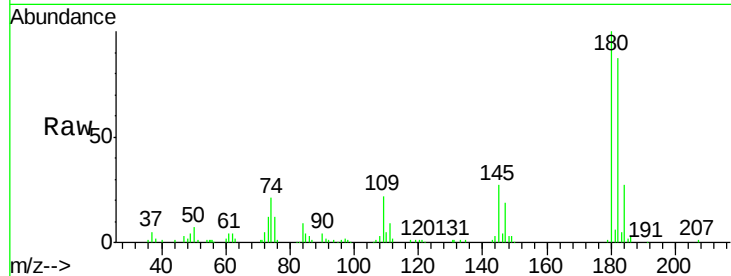
#93
 1,2,4-Trichlorobenzene
 Concen: 22.575 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1118SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	88.6	47.4	142.3
145	30.1	16.2	48.6

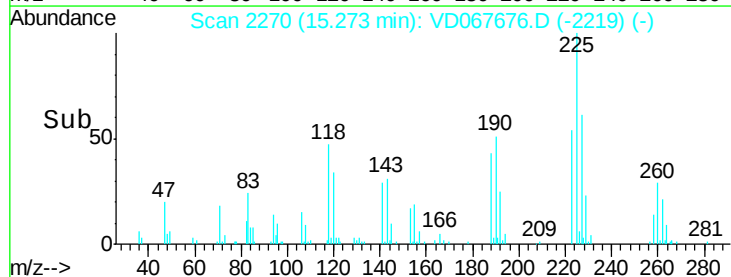
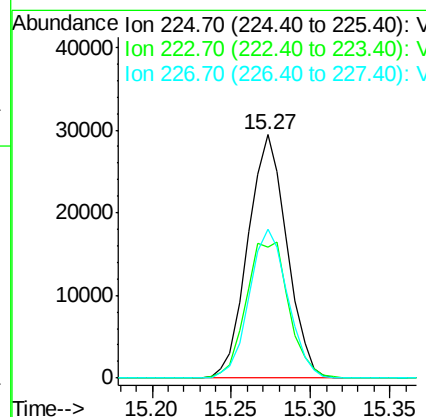
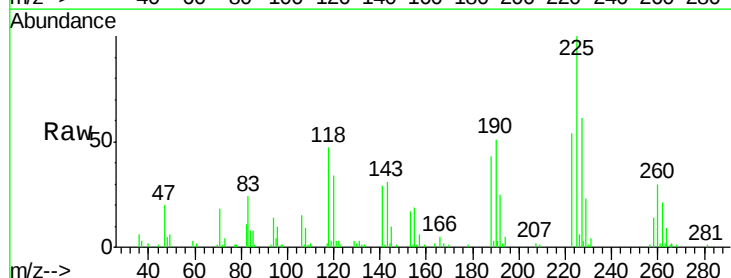
Manual Integrations
 APPROVED

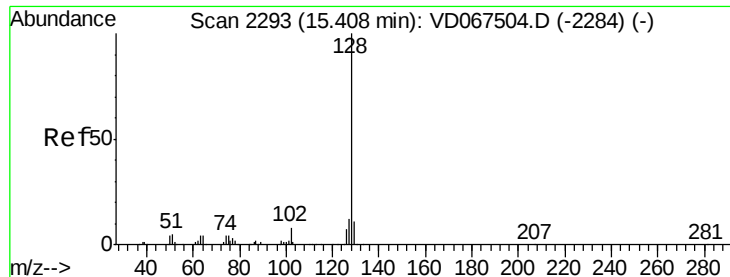
MMDadoda
 11/19/2020 11:07:03 AM



#94
 Hexachlorobutadiene
 Concen: 21.840 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067676.D
 Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.9	95.5
227	60.4	32.5	97.4





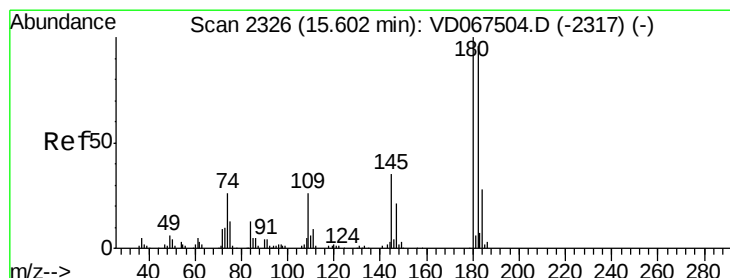
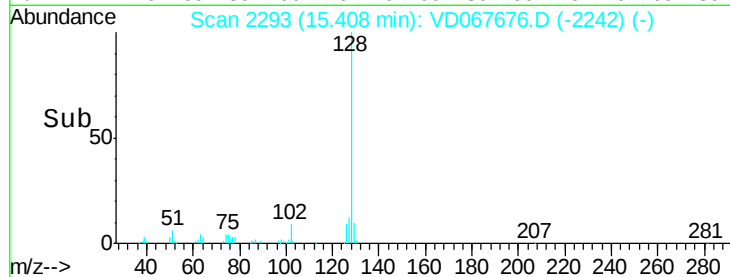
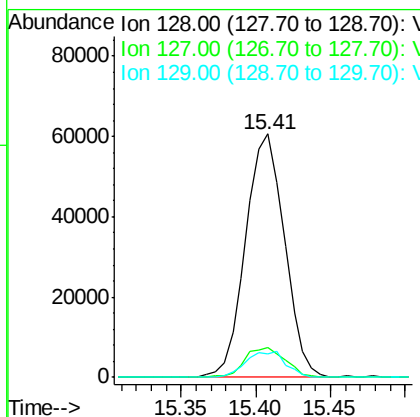
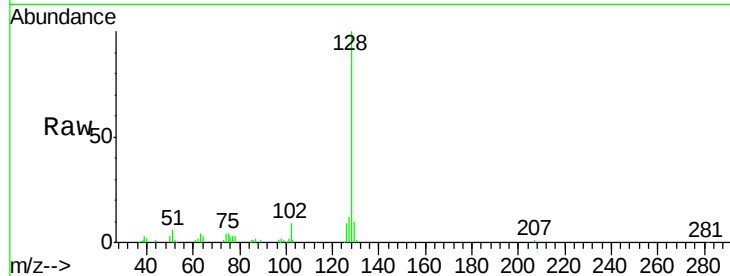
#95
Naphthalene
Concen: 20.655 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Instrument :
MSVOA_D
ClientSampleId :
VD1118SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.1	8.9	13.3

Manual Integrations
APPROVED

MMDadoda
11/19/2020 11:07:03 AM



#96
1,2,3-Trichlorobenzene
Concen: 20.995 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067676.D
Acq: 18 Nov 2020 10:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.8
145	34.0	17.1	51.2

