

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102020\
 Data File : VD067315.D
 Acq On : 20 Oct 2020 11:12
 Operator : VA/SY
 Sample : VD1020SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Manual Integrations
 APPROVED

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 10/21/2020 2:51:55 PM

Quant Time: Oct 21 03:09:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	328033	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	498891	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	461422	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231193	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	158072	48.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.20%	
35) Dibromofluoromethane	7.91	113	162031	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.34	98	584835	48.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.34%	
62) 4-Bromofluorobenzene	12.64	95	202670	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	61922	20.979	ug/l	96
3) Chloromethane	2.21	50	42644	20.656	ug/l	94
4) Vinyl Chloride	2.35	62	48975	21.621	ug/l	100
5) Bromomethane	2.76	94	37598	22.563	ug/l	92
6) Chloroethane	2.92	64	29485	20.901	ug/l	97
7) Trichlorofluoromethane	3.27	101	118473	20.771	ug/l	95
8) Diethyl Ether	3.71	74	25659	19.659	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.10	101	63820	21.060	ug/l	97
10) Methyl Iodide	4.30	142	58494	20.925	ug/l	99
11) Tert butyl alcohol	5.21	59	18346	75.556	ug/l	100
12) 1,1-Dichloroethene	4.07	96	55392	20.460	ug/l	99
13) Acrolein	3.92	56	11483	75.061	ug/l	98
14) Allyl chloride	4.72	41	63815	20.583	ug/l	99
15) Acrylonitrile	5.43	53	44624	102.464	ug/l	97
16) Acetone	4.16	43	45808	99.526	ug/l	99
17) Carbon Disulfide	4.41	76	156688	20.302	ug/l	99
18) Methyl Acetate	4.71	43	20586	19.610	ug/l #	80
19) Methyl tert-butyl Ether	5.47	73	108788	20.209	ug/l	96
20) Methylene Chloride	4.97	84	69204	20.857	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	65577	21.049	ug/l	92
22) Diisopropyl ether	6.37	45	123678	21.837	ug/l	92
23) Vinyl Acetate	6.31	43	343095	106.479	ug/l	98
24) 1,1-Dichloroethane	6.26	63	105024	21.663	ug/l	97
25) 2-Butanone	7.21	43	55810	106.376	ug/l	90
26) 2,2-Dichloropropane	7.21	77	106577	21.328	ug/l	99
27) cis-1,2-Dichloroethene	7.22	96	73604	21.556	ug/l	97
28) Bromochloromethane	7.54	49	33712	20.386	ug/l #	97
29) Tetrahydrofuran	7.56	42	30178	103.476	ug/l	96
30) Chloroform	7.71	83	122970	21.232	ug/l	89
31) Cyclohexane	7.98	56	77771	20.546	ug/l #	84
32) 1,1,1-Trichloroethane	7.90	97	120446	21.196	ug/l	99
36) 1,1-Dichloropropene	8.12	75	89273	21.113	ug/l	99
37) Ethyl Acetate	7.28	43	24562	19.743	ug/l #	93
38) Carbon Tetrachloride	8.10	117	117226	21.691	ug/l	96

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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	92242	20.867	ug/l	93
40) Benzene	8.36	78	250271	21.575	ug/l	98
41) Methacrylonitrile	7.53	41	12332m	18.343	ug/l	
42) 1,2-Dichloroethane	8.43	62	76534	21.082	ug/l	99
43) Isopropyl Acetate	8.46	43	51480	20.854	ug/l	98
44) Trichloroethene	9.11	130	79768	21.477	ug/l	99
45) 1,2-Dichloropropane	9.40	63	58128	21.621	ug/l	96
46) Dibromomethane	9.48	93	36326	21.687	ug/l	92
47) Bromodichloromethane	9.67	83	96755	21.560	ug/l	94
48) Methyl methacrylate	9.46	41	24377	20.320	ug/l	97
49) 1,4-Dioxane	9.47	88	7185	425.811	ug/l	90
51) 4-Methyl-2-Pentanone	10.23	43	127752	103.758	ug/l	97
52) Toluene	10.41	92	173553	21.966	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	84578	21.454	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	97538	21.141	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	47363	20.736	ug/l	94
56) Ethyl methacrylate	10.67	69	50612	21.365	ug/l	96
57) 1,3-Dichloropropane	10.95	76	78642	21.634	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	134605	110.764	ug/l	98
59) 2-Hexanone	10.99	43	87561	104.072	ug/l	100
60) Dibromochloromethane	11.14	129	70620	21.200	ug/l	100
61) 1,2-Dibromoethane	11.25	107	46139	20.489	ug/l	97
64) Tetrachloroethene	10.88	164	73768	22.065	ug/l	84
65) Chlorobenzene	11.67	112	188336	21.285	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	76647	21.795	ug/l	98
67) Ethyl Benzene	11.75	91	327874	21.617	ug/l	98
68) m/p-Xylenes	11.86	106	251838	43.117	ug/l	100
69) o-Xylene	12.18	106	113203	20.930	ug/l	98
70) Styrene	12.20	104	197514	21.214	ug/l	98
71) Bromoform	12.37	173	39827	21.081	ug/l #	100
73) Isopropylbenzene	12.48	105	320342	21.832	ug/l	99
74) N-amyl acetate	12.29	43	47422	21.399	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	48765	21.690	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	35808m	22.347	ug/l	
77) Bromobenzene	12.77	156	80445	21.991	ug/l	99
78) n-propylbenzene	12.83	91	377369	22.197	ug/l	100
79) 2-Chlorotoluene	12.91	91	211955	21.499	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	281179	22.052	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	15364	21.743	ug/l	94
82) 4-Chlorotoluene	13.01	91	232011	22.173	ug/l	100
83) tert-Butylbenzene	13.23	119	235958	21.907	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	283998	22.535	ug/l	100
85) sec-Butylbenzene	13.41	105	324572	21.962	ug/l	99
86) p-Isopropyltoluene	13.52	119	308425	22.110	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	154161	21.895	ug/l	97
88) 1,4-Dichlorobenzene	13.60	146	150353	21.553	ug/l	98
89) n-Butylbenzene	13.85	91	269859	21.990	ug/l	98
90) Hexachloroethane	14.12	117	53098	21.813	ug/l	95
91) 1,2-Dichlorobenzene	13.90	146	132901	21.606	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	8637	21.146	ug/l	93

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VD1020SBS01

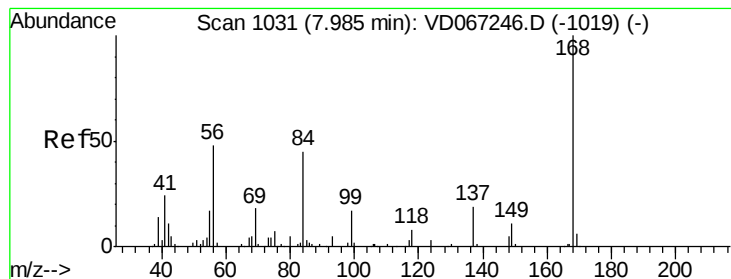
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	91157	21.981	ug/l	99
94) Hexachlorobutadiene	15.27	225	57187	22.206	ug/l	98
95) Naphthalene	15.41	128	139053	20.422	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	78203	21.827	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: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion:168 Resp: 328033

Ion Ratio Lower Upper

168 100

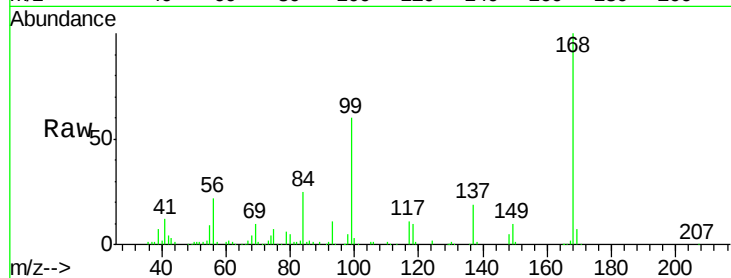
99 60.2 45.9 68.9

Manual Integrations

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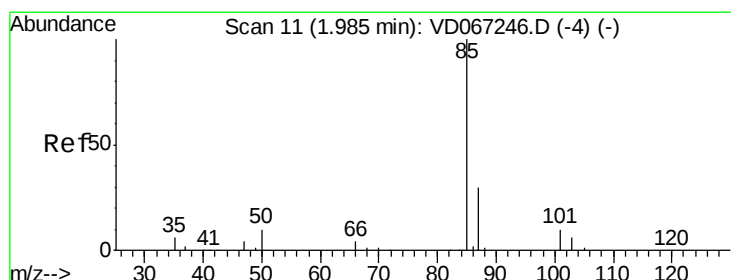
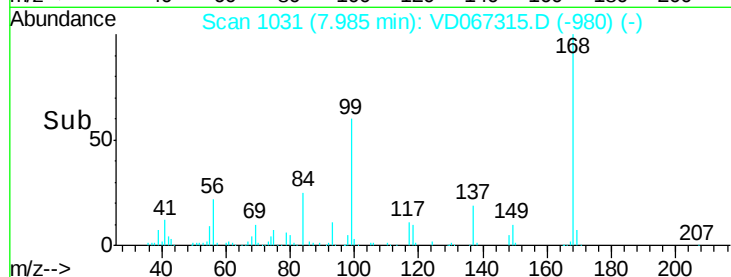
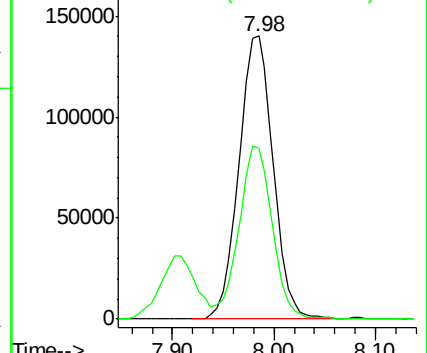
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 20.979 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067315.D

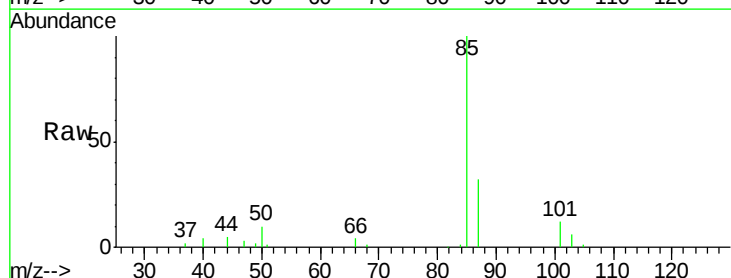
Acq: 20 Oct 2020 11:12

Tgt Ion: 85 Resp: 61922

Ion Ratio Lower Upper

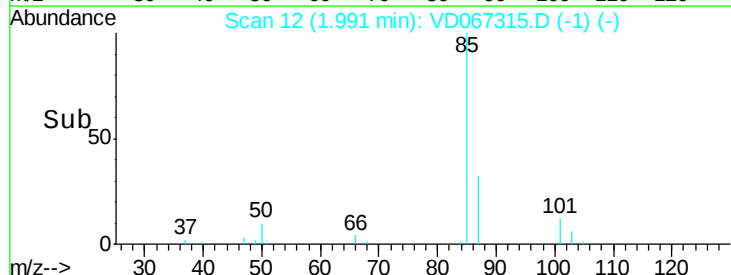
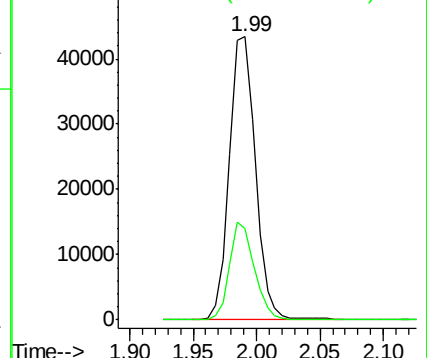
85 100

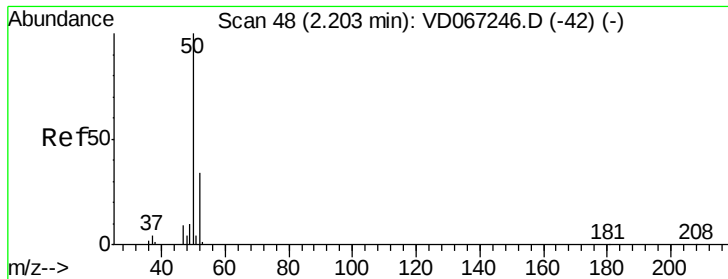
87 32.5 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 20.656 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 50 Resp: 42644

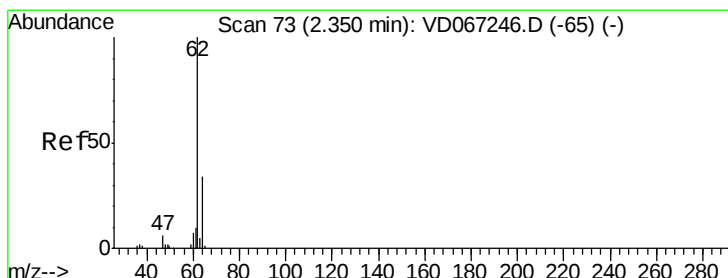
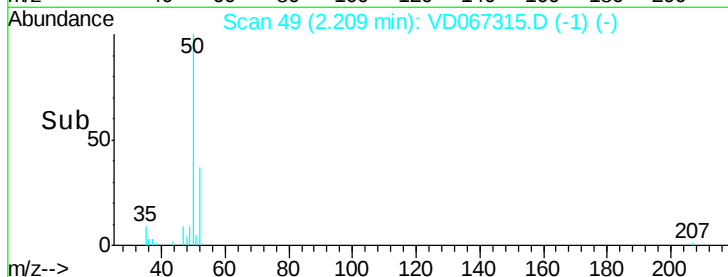
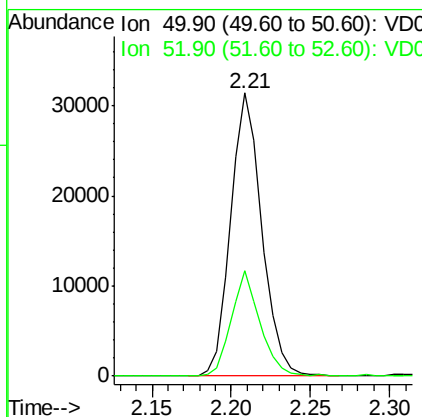
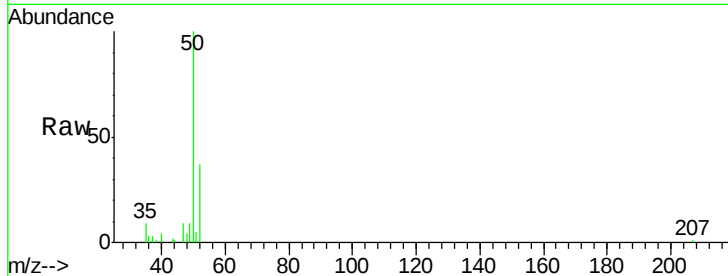
Ion Ratio Lower Upper

50 100

52 37.3 27.1 40.7

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#4

Vinyl Chloride

Concen: 21.621 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067315.D

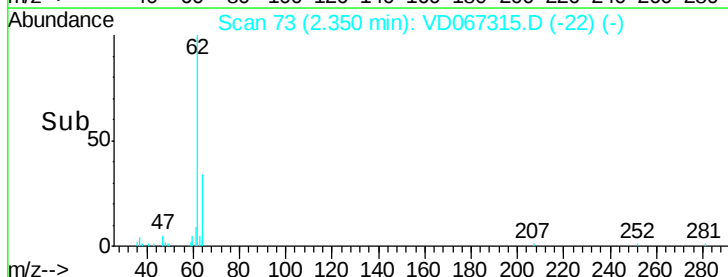
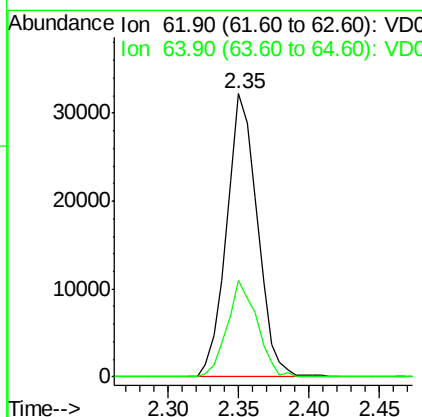
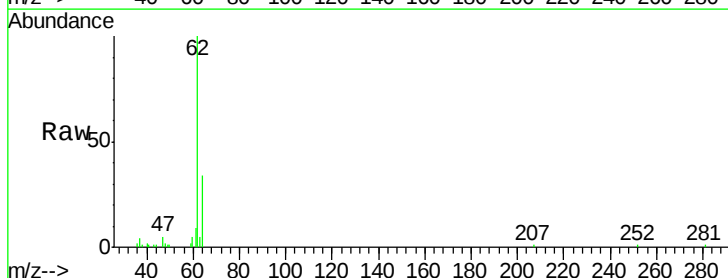
Acq: 20 Oct 2020 11:12

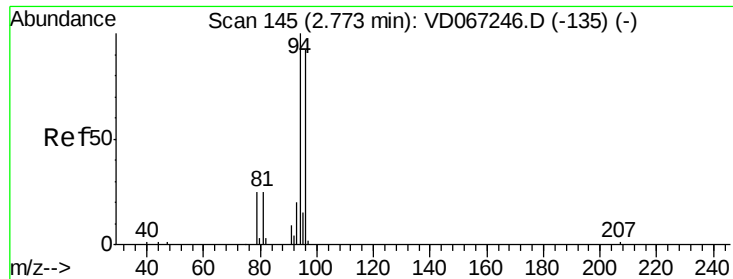
Tgt Ion: 62 Resp: 48975

Ion Ratio Lower Upper

62 100

64 33.9 27.4 41.0





#5

Bromomethane

Concen: 22.563 ug/l

RT: 2.76 min Scan# 143

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 94 Resp: 37598

Ion Ratio Lower Upper

94 100

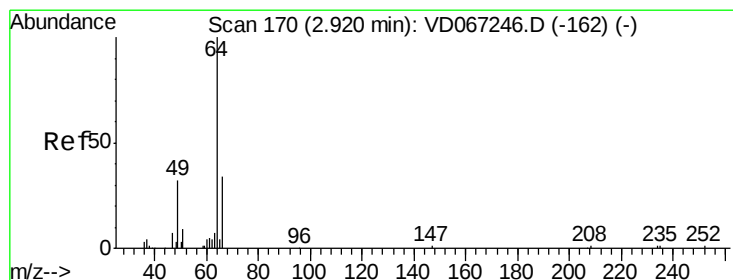
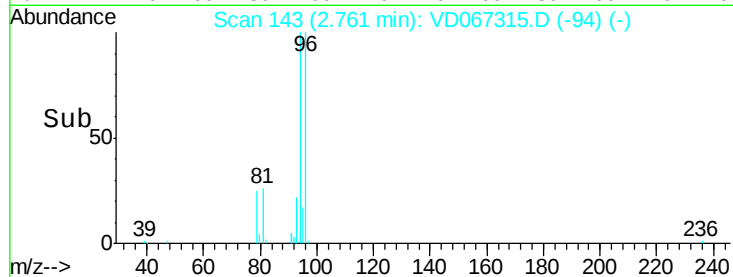
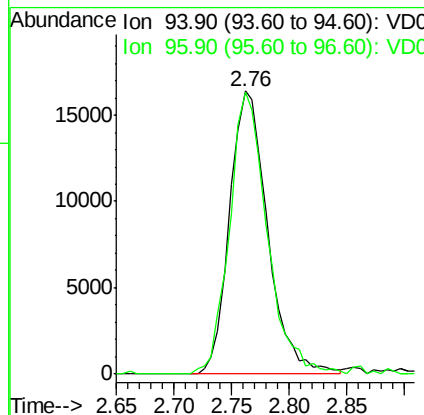
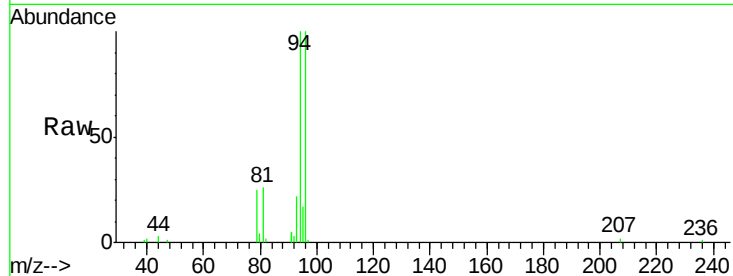
96 99.8 73.8 110.6

Manual Integrations

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#6

Chloroethane

Concen: 20.901 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067315.D

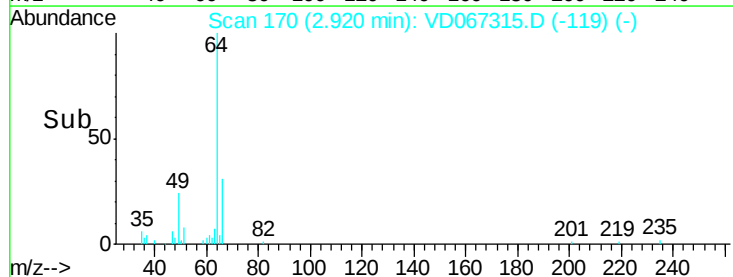
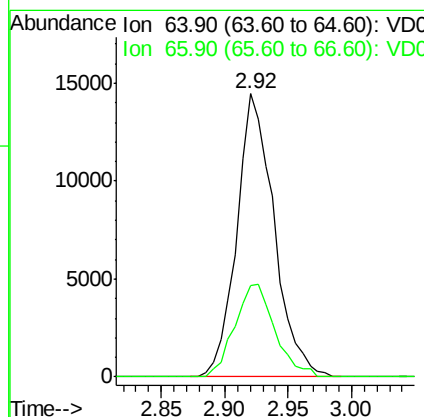
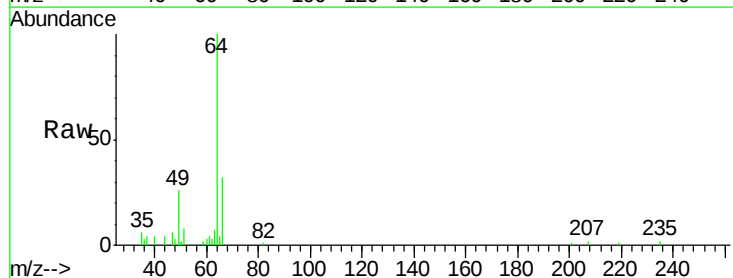
Acq: 20 Oct 2020 11:12

Tgt Ion: 64 Resp: 29485

Ion Ratio Lower Upper

64 100

66 32.2 27.4 41.0





#7

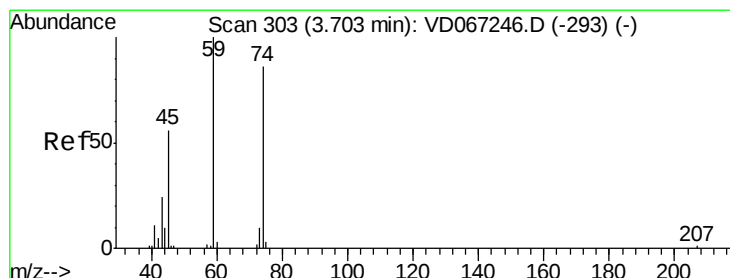
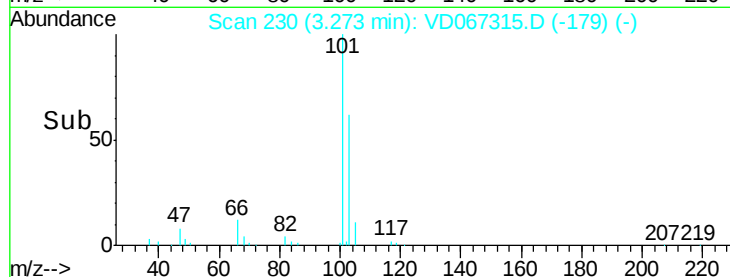
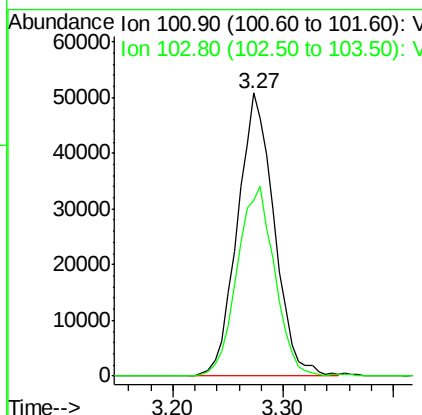
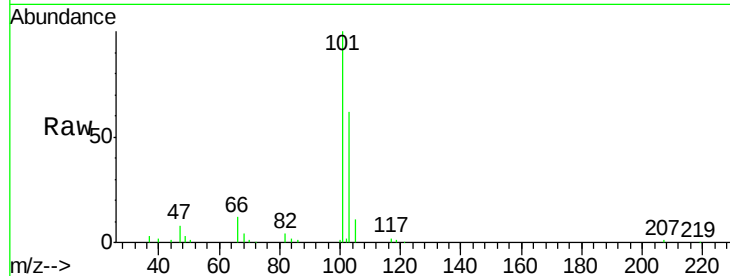
Trichlorofluoromethane
Concen: 20.771 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

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VD1020SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		118473		
103	62.1	53.1	79.7		

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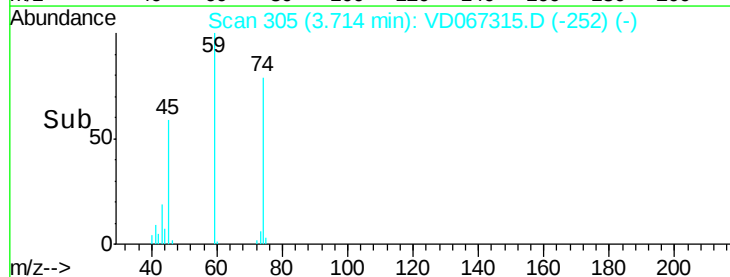
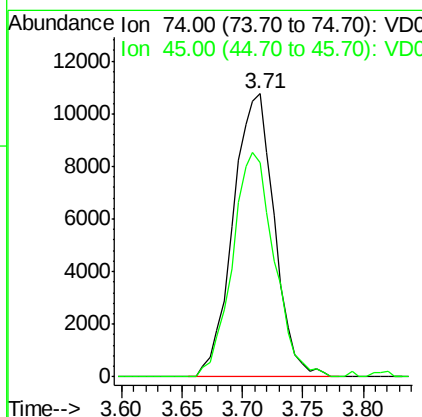
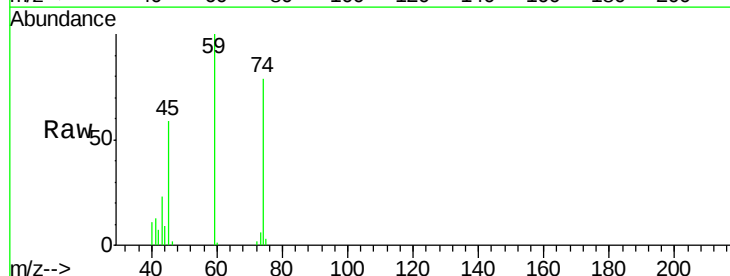
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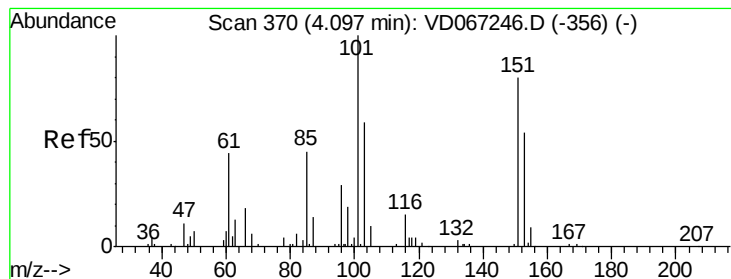


#8

Diethyl Ether
Concen: 19.659 ug/l
RT: 3.71 min Scan# 305
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		25659		
45	80.4	37.0	111.1		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.060 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

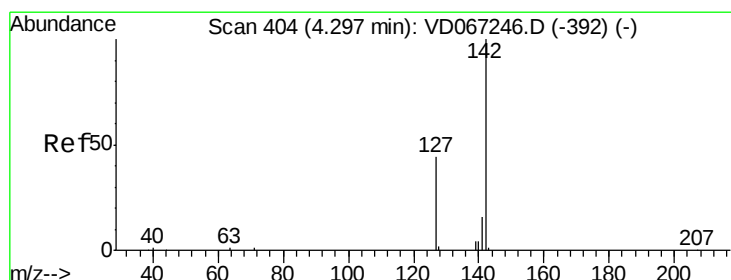
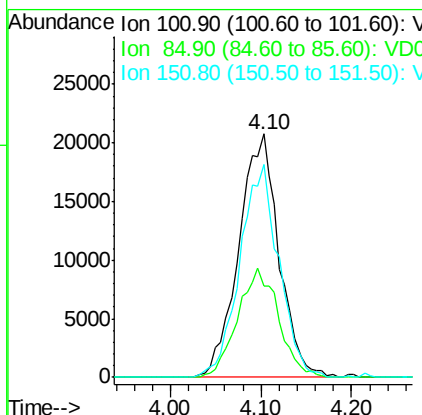
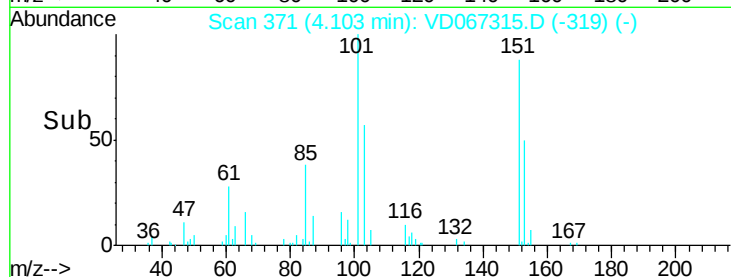
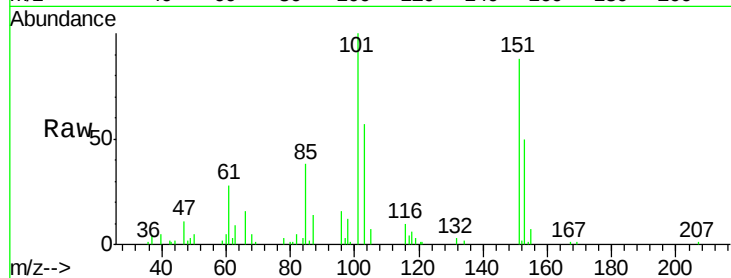
ClientSampleId :

VD1020SBS01

Tot Ion:	101	Resp:	63820
Ion Ratio	Lower	Upper	
101	100		
85	45.5	34.2	51.4
151	85.2	66.3	99.5

Manual Integrations
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#10

Methyl Iodide

Concen: 20.925 ug/l

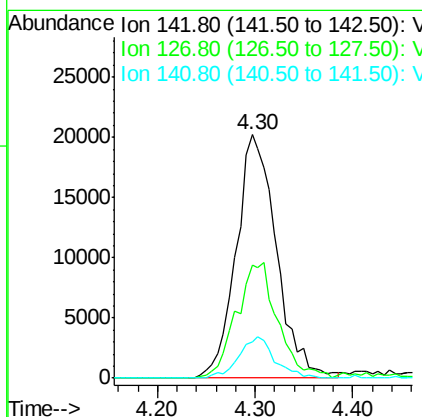
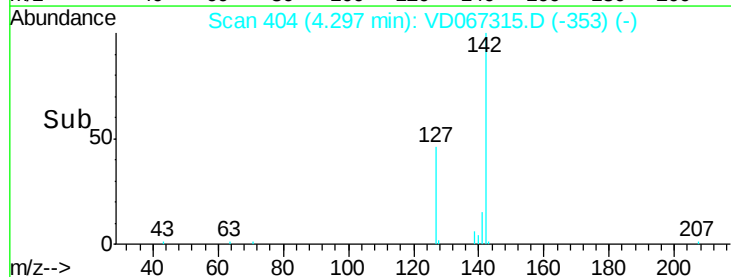
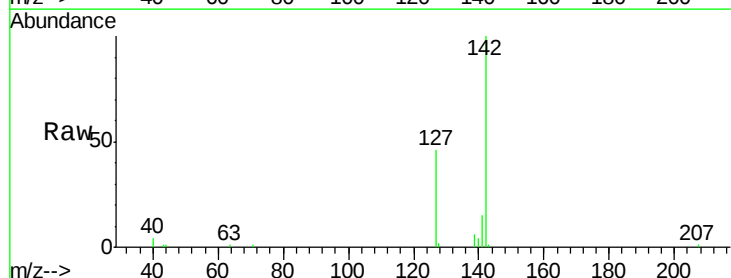
RT: 4.30 min Scan# 404

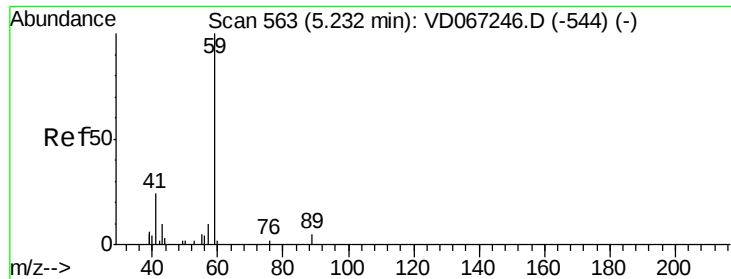
Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion:	142	Resp:	58494
Ion Ratio	Lower	Upper	
142	100		
127	48.4	38.4	57.6
141	15.0	11.6	17.4





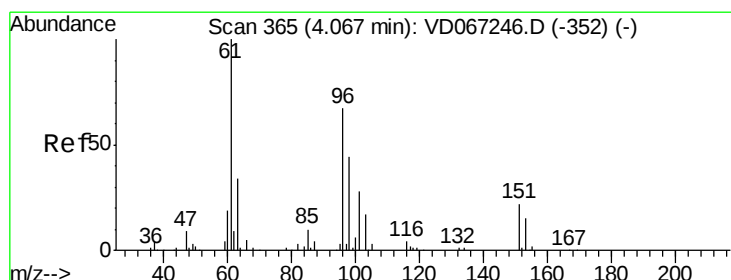
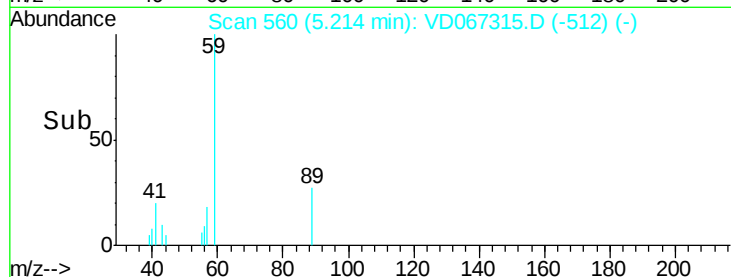
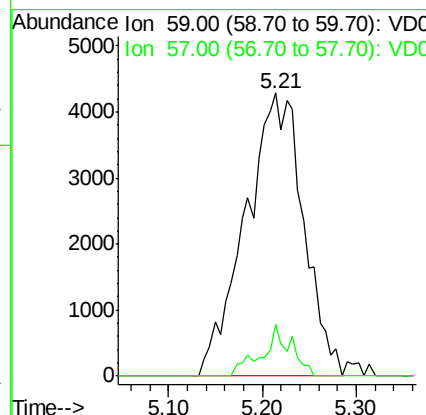
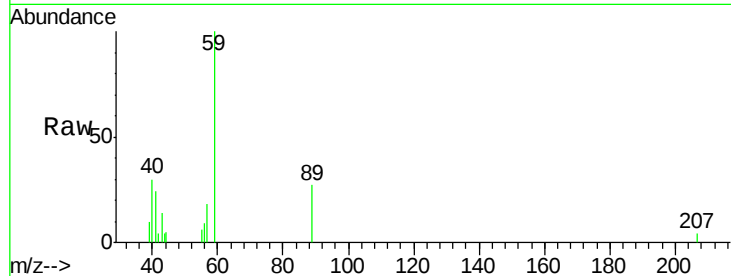
#11
Tert butyl alcohol
Concen: 75.556 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 59 Resp: 18346
Ion Ratio Lower Upper
59 100
57 6.2 5.1 7.7

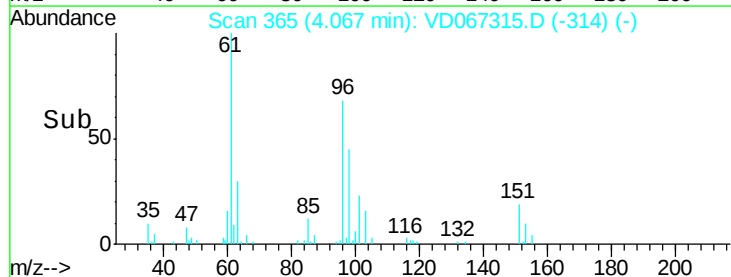
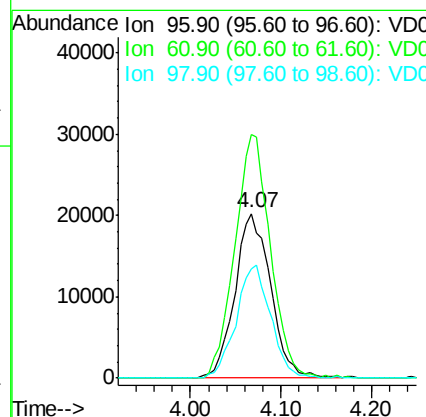
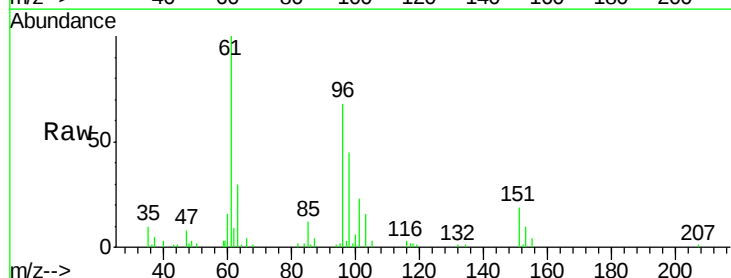
Manual Integrations
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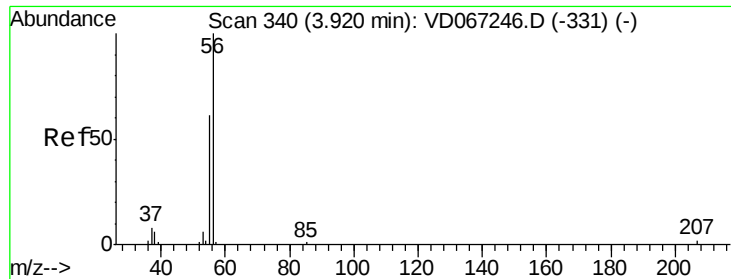
MMDadoda
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#12
1,1-Dichloroethene
Concen: 20.460 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 96 Resp: 55392
Ion Ratio Lower Upper
96 100
61 147.7 118.6 177.8
98 66.0 51.8 77.6





#13

Acrolein

Concen: 75.061 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 56 Resp: 11483

Ion Ratio Lower Upper

56 100

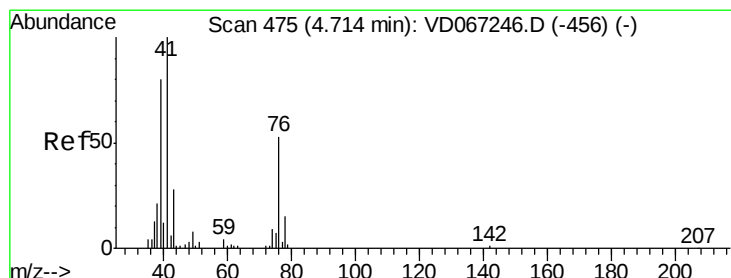
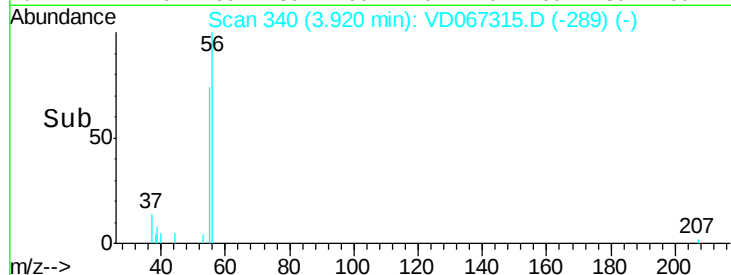
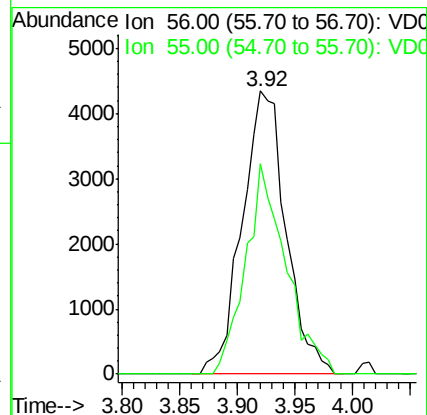
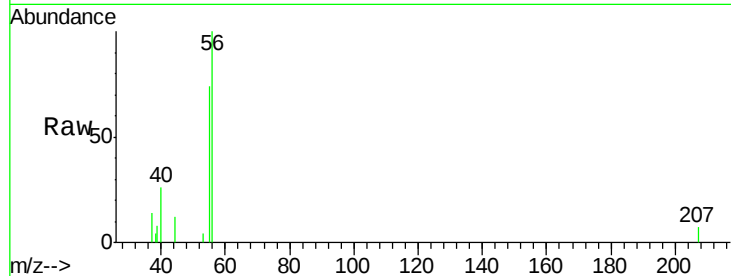
55 68.2 56.0 84.0

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#14

Allyl chloride

Concen: 20.583 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

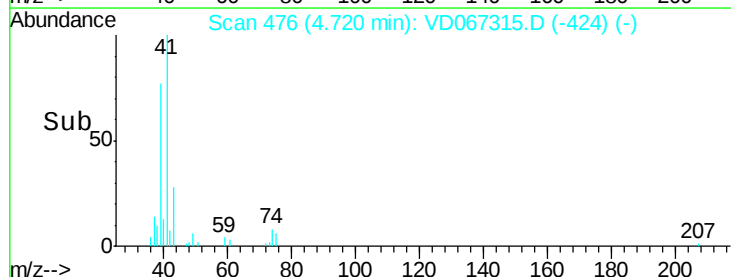
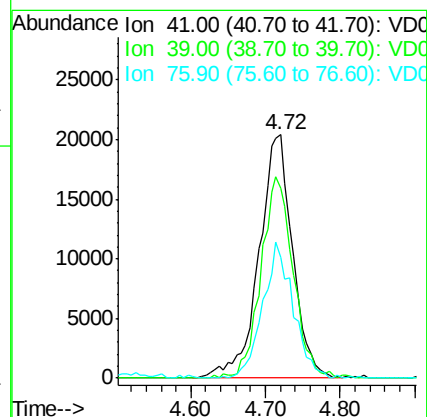
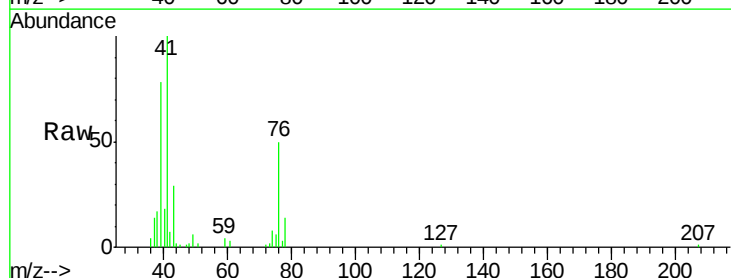
Tgt Ion: 41 Resp: 63815

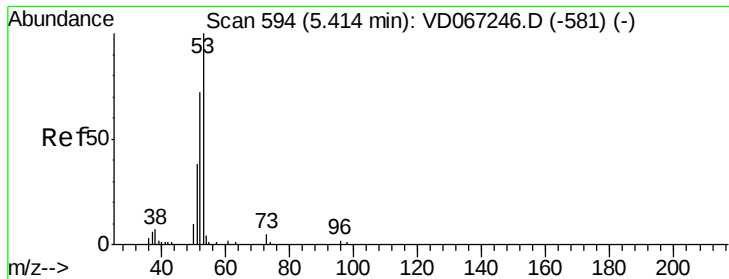
Ion Ratio Lower Upper

41 100

39 78.8 63.8 95.6

76 50.2 40.4 60.6





#15

Acrylonitrile

Concen: 102.464 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

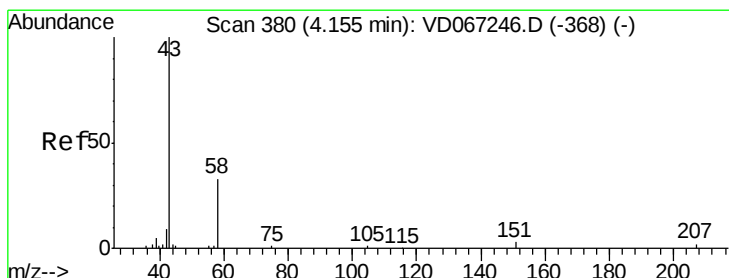
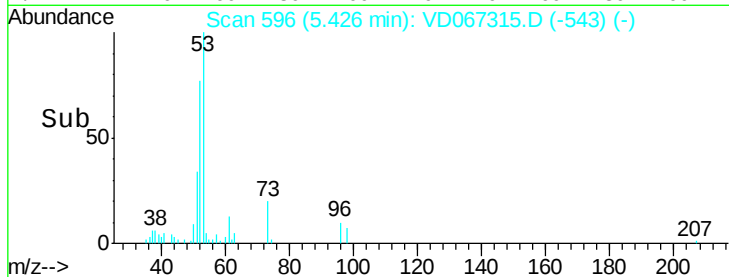
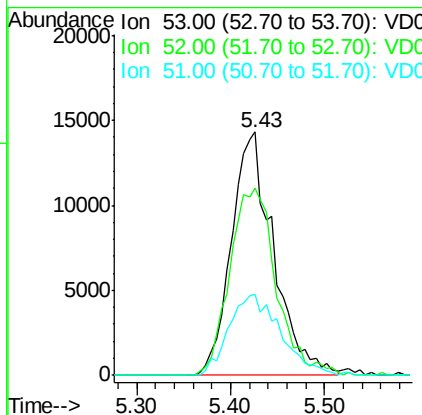
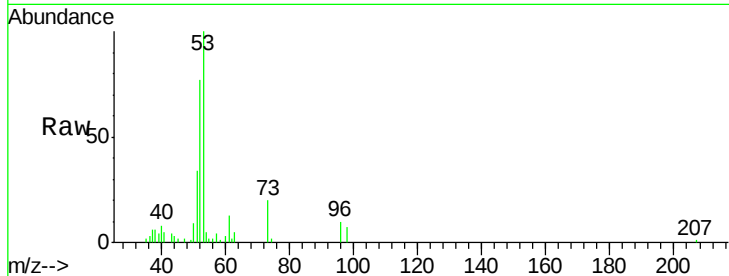
ClientSampleId :

VD1020SBS01

Tot Ion:	53	Resp:	44624
Ion	Ratio	Lower	Upper
53	100		
52	84.7	65.6	98.4
51	40.4	30.8	46.2

Manual Integrations
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#16

Acetone

Concen: 99.526 ug/l

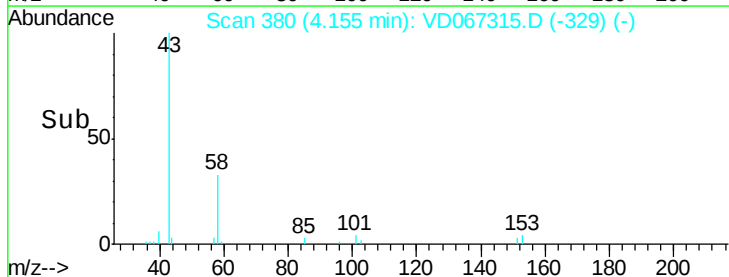
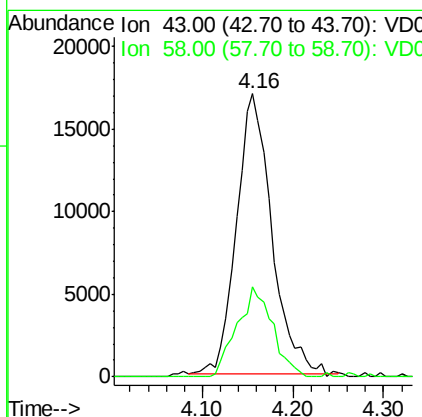
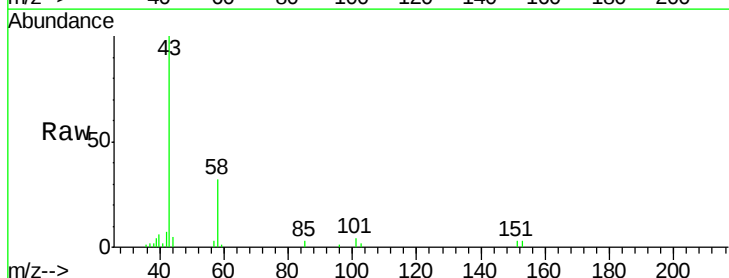
RT: 4.16 min Scan# 380

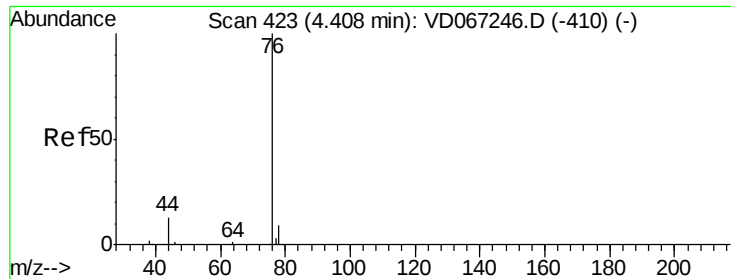
Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion:	43	Resp:	45808
Ion	Ratio	Lower	Upper
43	100		
58	32.0	26.1	39.1





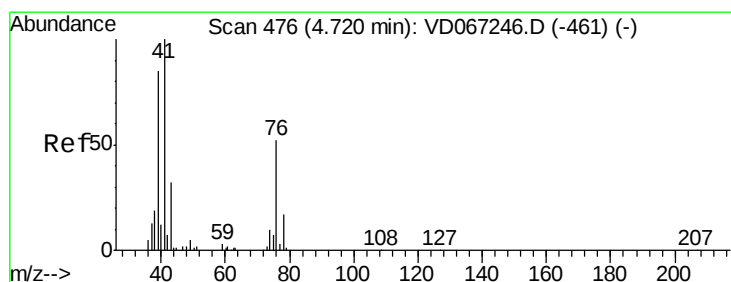
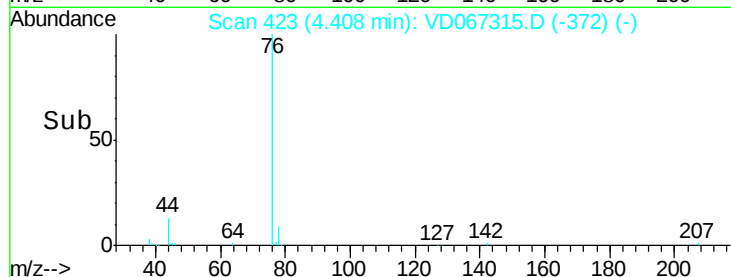
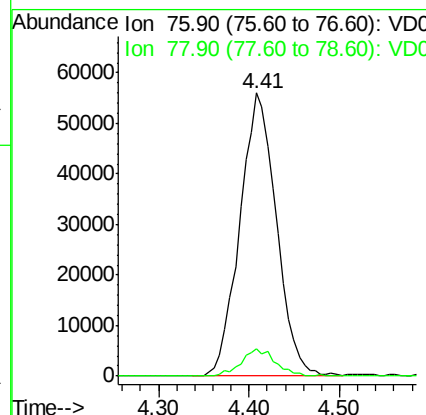
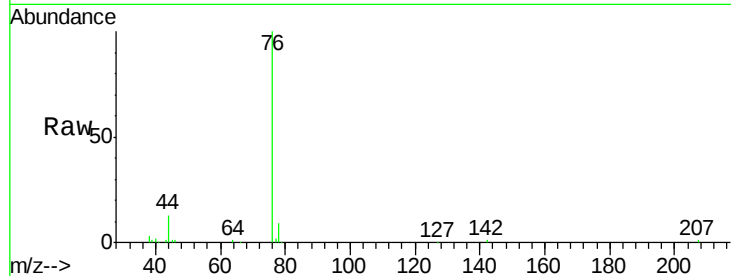
#17
Carbon Disulfide
Concen: 20.302 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.4	11.0

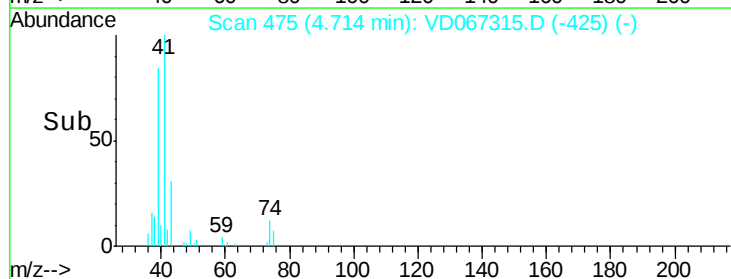
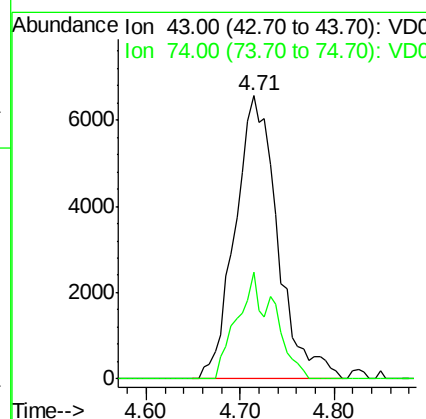
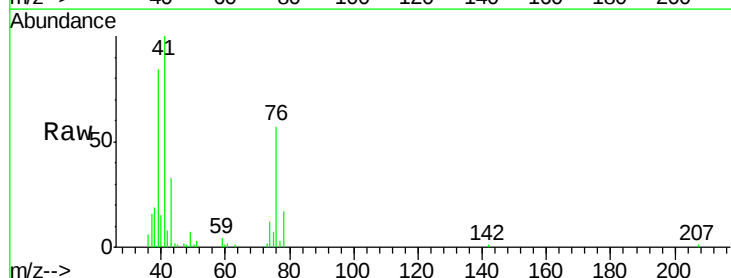
Manual Integrations
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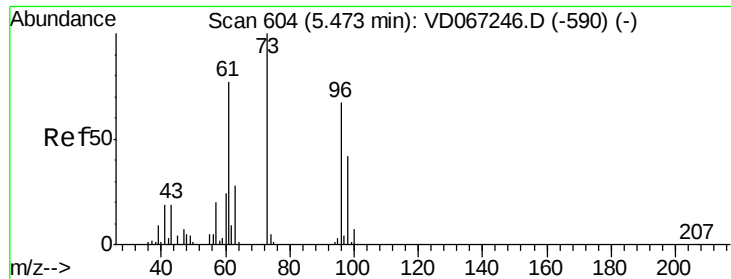
MMDadoda
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#18
Methyl Acetate
Concen: 19.610 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.9	26.6	39.8#





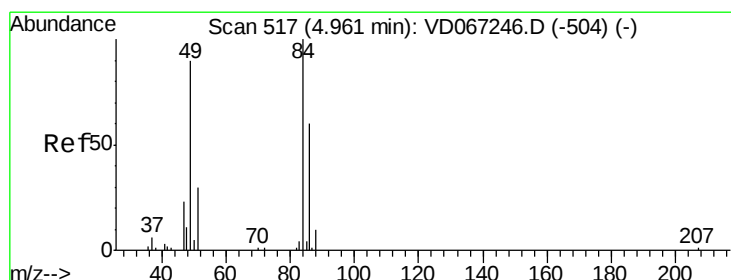
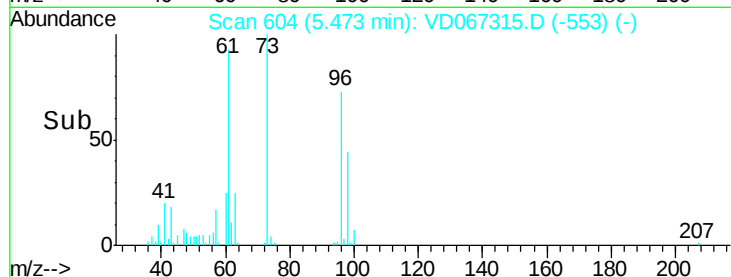
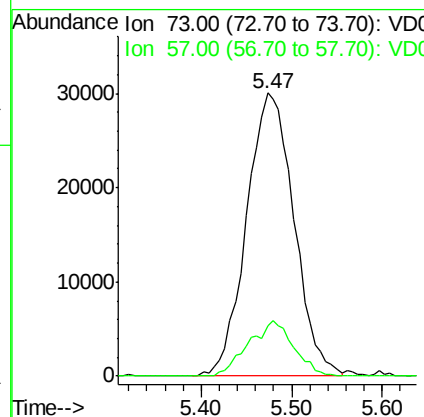
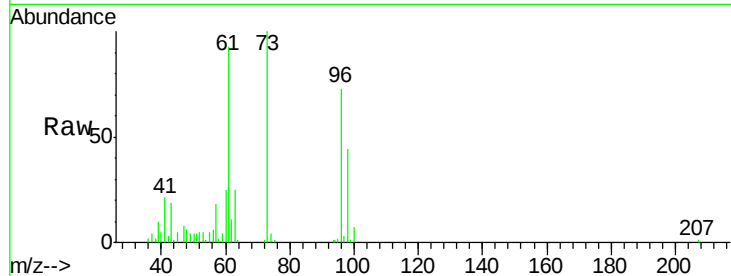
#19
Methvl tert-butvl Ether
Concen: 20.209 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 73 Resp: 108788
Ion Ratio Lower Upper
73 100
57 17.7 15.7 23.5

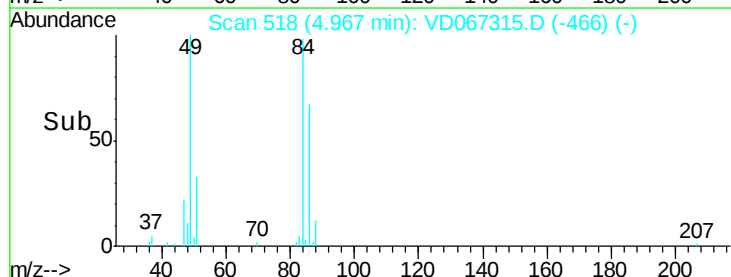
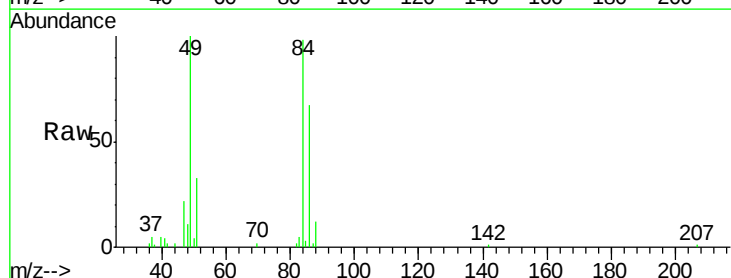
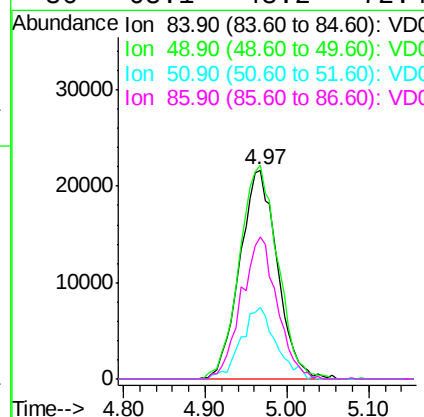
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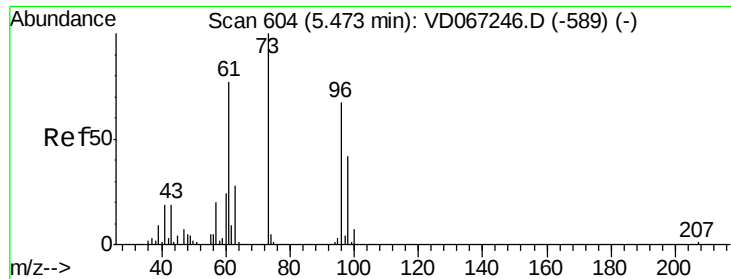
MMDadoda
10/21/2020 2:51:55 PM



#20
Methylene Chloride
Concen: 20.857 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 84 Resp: 69204
Ion Ratio Lower Upper
84 100
49 102.3 72.2 108.2
51 34.2 23.8 35.8
86 68.1 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 21.049 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

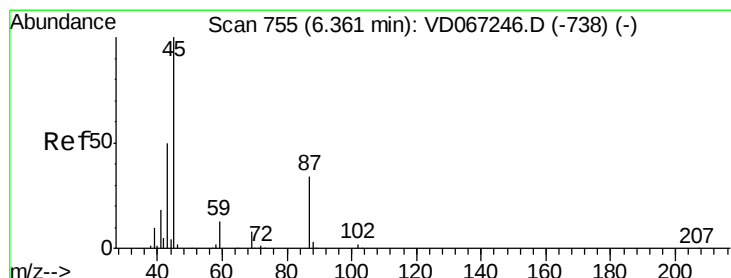
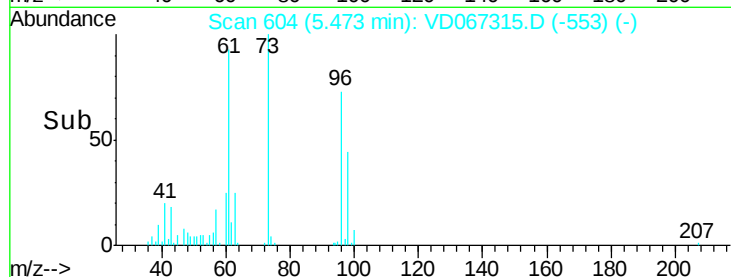
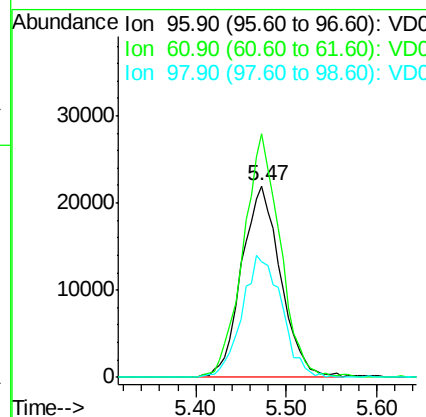
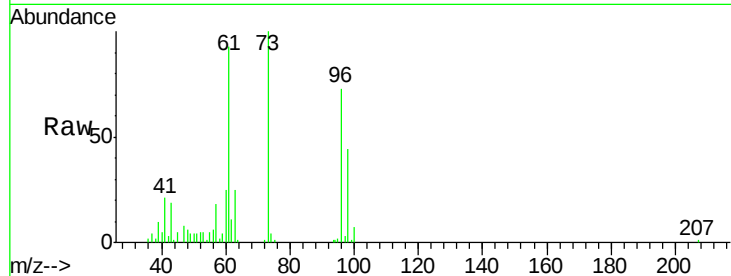
ClientSampleId :

VD1020SBS01

Tot Ion:	96	Resp:	65577
Ion	Ratio	Lower	Upper
96	100		
61	127.4	92.0	138.0
98	60.7	49.8	74.8

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#22

Diisopropyl ether

Concen: 21.837 ug/l

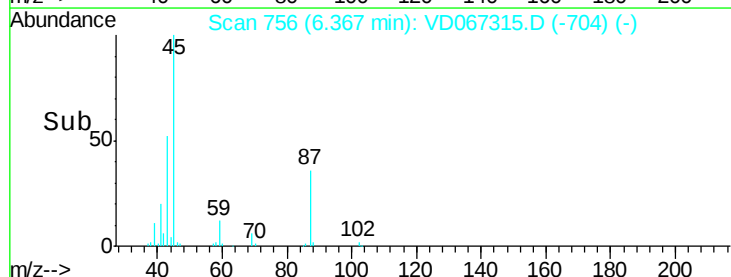
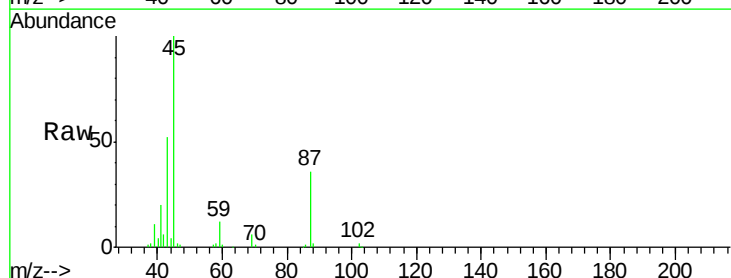
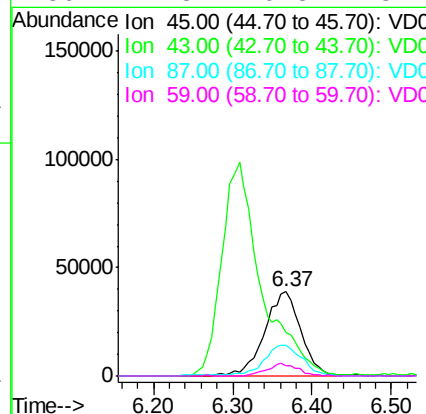
RT: 6.37 min Scan# 756

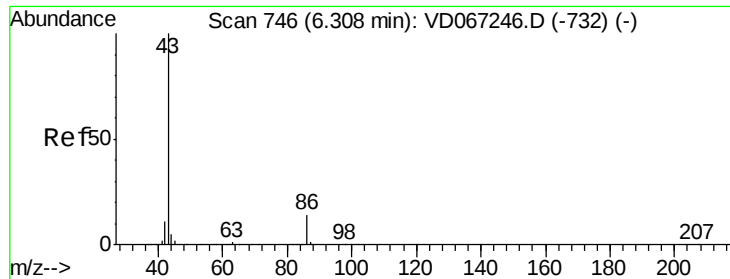
Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion:	45	Resp:	123678
Ion	Ratio	Lower	Upper
45	100		
43	50.7	48.0	72.0
87	36.3	28.5	42.7
59	11.8	10.5	15.7





#23

Vinyl Acetate

Concen: 106.479 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 43 Resp: 343095

Ion Ratio Lower Upper

43 100

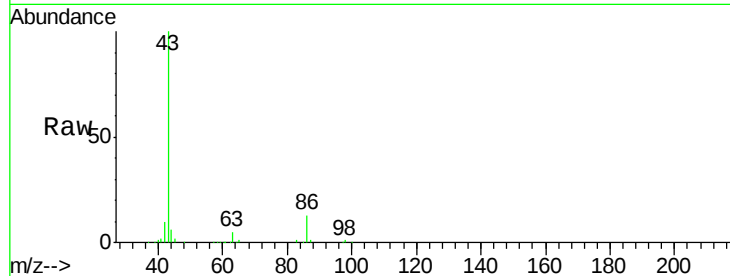
86 12.9 11.0 16.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

100000

80000

60000

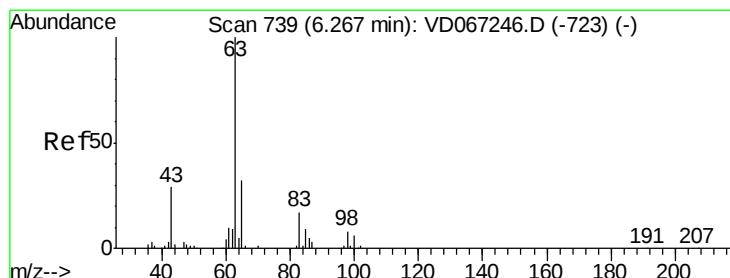
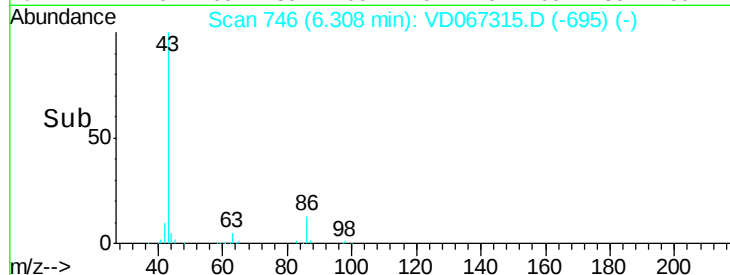
40000

20000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 21.663 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

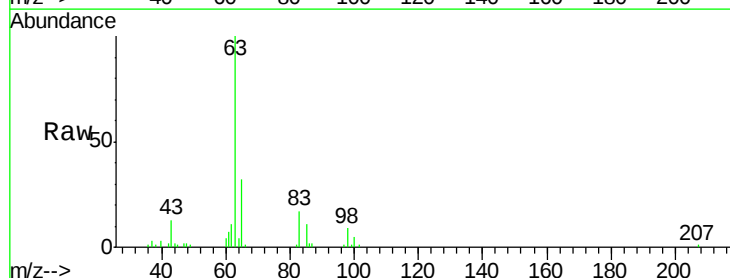
Tgt Ion: 63 Resp: 105024

Ion Ratio Lower Upper

63 100

98 9.1 4.0 12.2

100 4.7 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

40000

30000

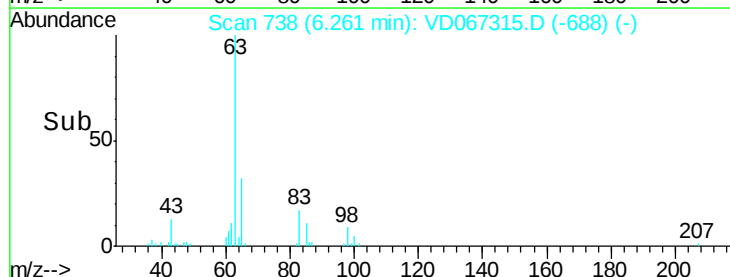
20000

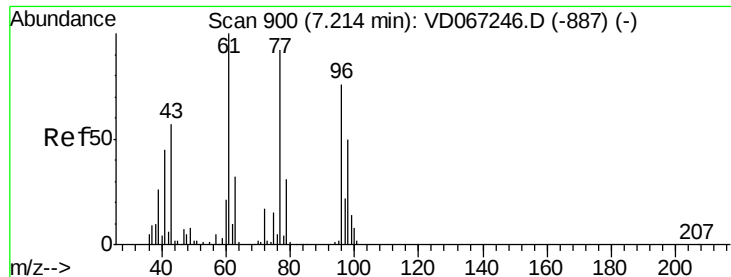
10000

0

Time-->

6.20 6.30 6.40





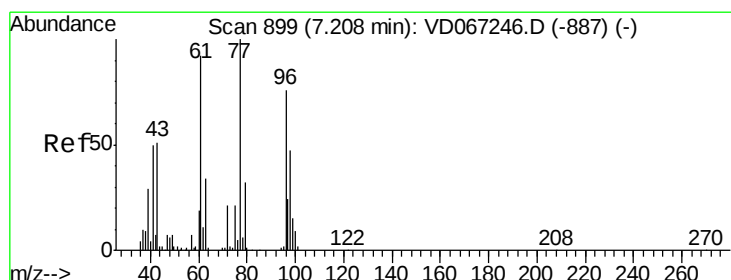
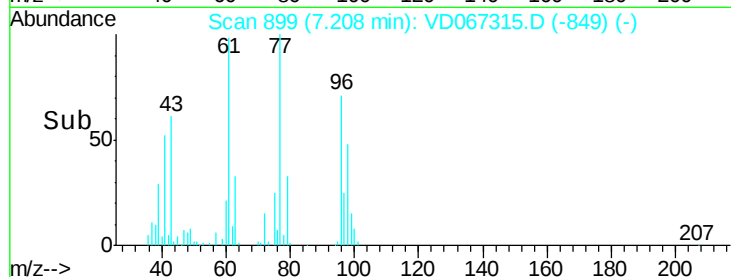
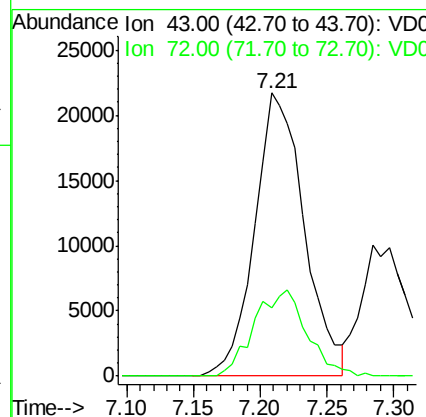
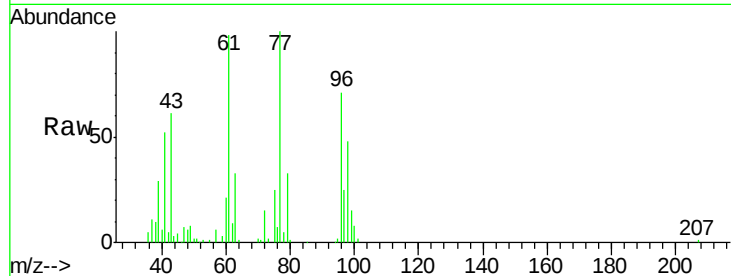
#25
2-Butanone
Concen: 106.376 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 43 Resp: 55810
Ion Ratio Lower Upper
43 100
72 24.2 23.7 35.5

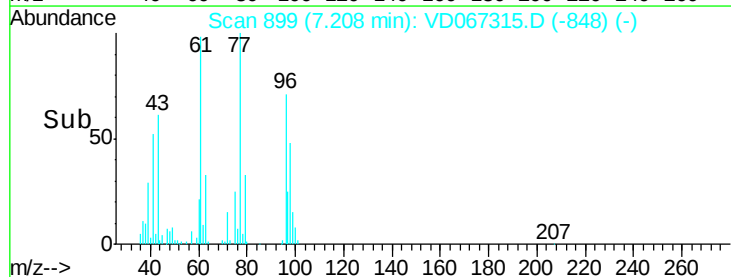
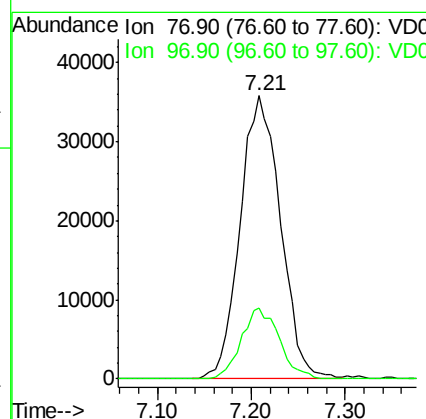
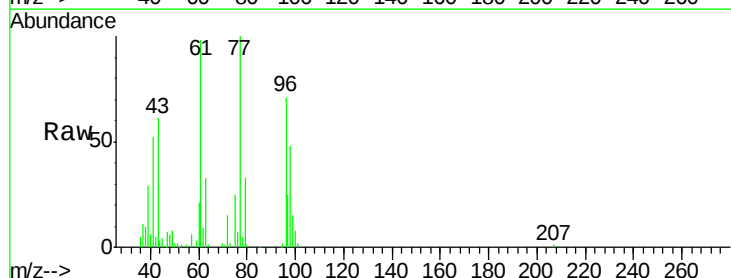
Manual Integrations
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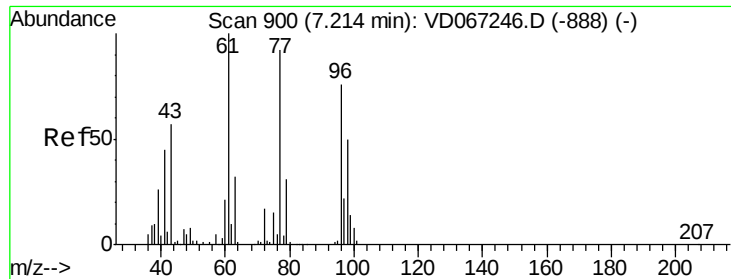
MMDadoda
10/21/2020 2:51:55 PM



#26
2,2-Dichloropropane
Concen: 21.328 ug/l
RT: 7.21 min Scan# 899
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 77 Resp: 106577
Ion Ratio Lower Upper
77 100
97 23.5 11.4 34.2





#27

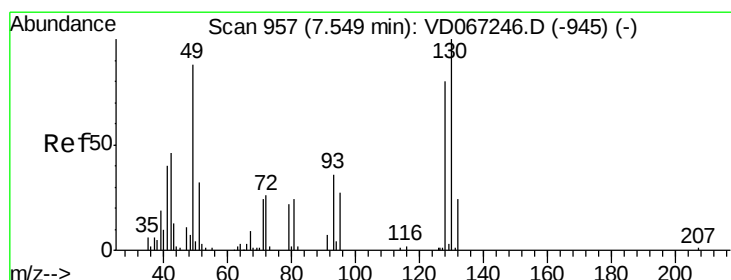
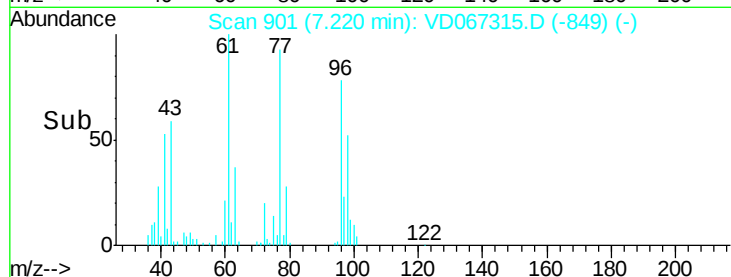
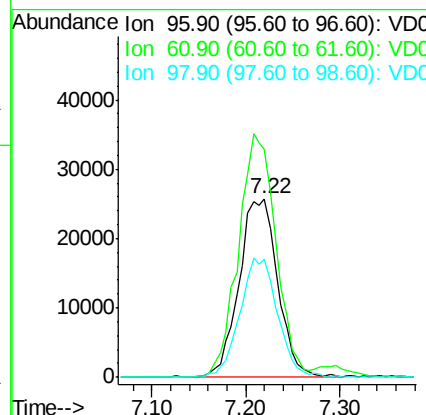
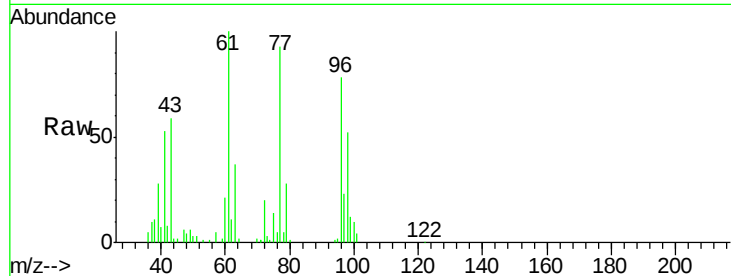
cis-1,2-Dichloroethene
Concen: 21.556 ug/l
RT: 7.22 min Scan# 901
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	131.8	0.0	255.4
98	64.7	0.0	128.0

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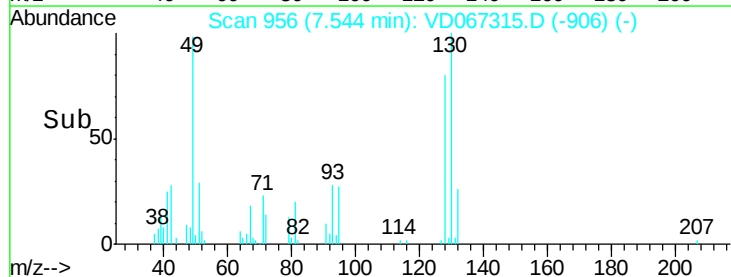
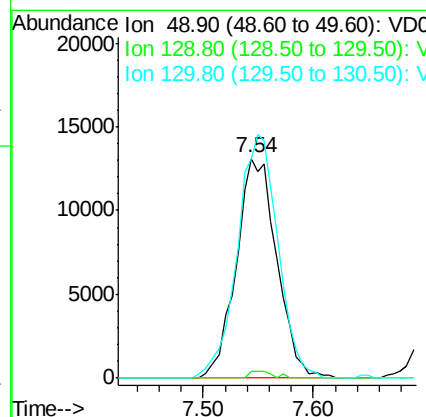
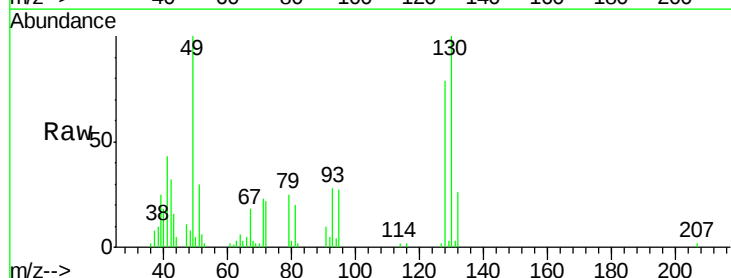
MMDadoda
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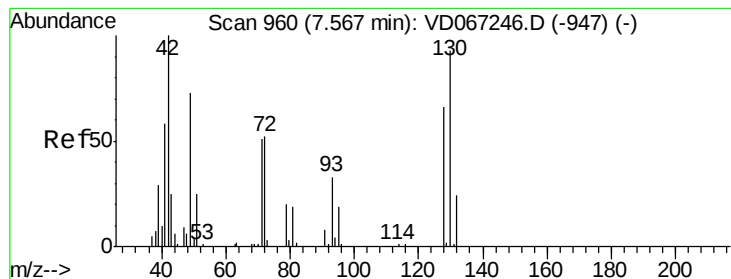


#28

Bromochloromethane
Concen: 20.386 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	1.6#
130	111.0	91.0	136.6





#29

Tetrahydrofuran

Concen: 103.476 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

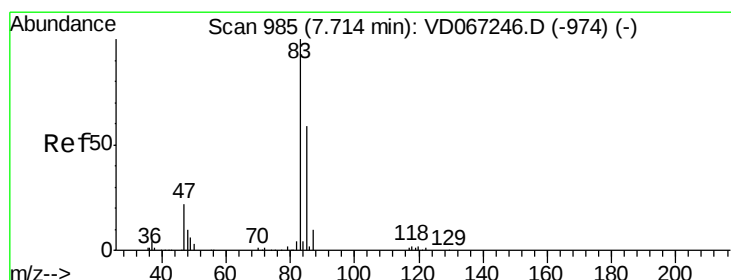
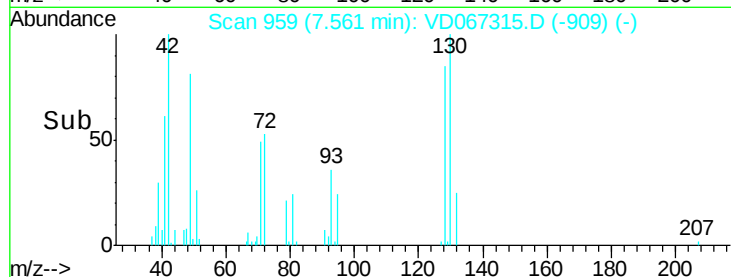
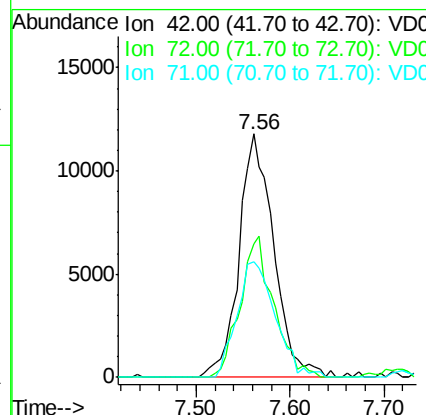
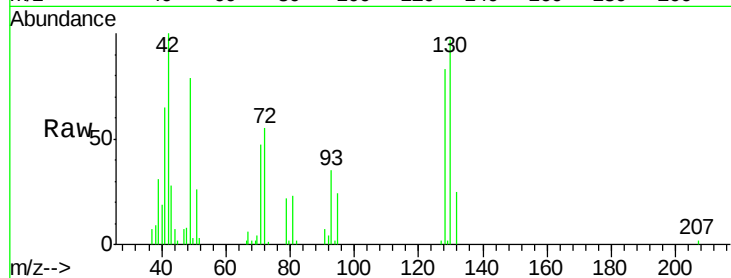
ClientSampleId :

VD1020SBS01

Tot Ion:	42	Resp:	30178
Ion	Ratio	Lower	Upper
42	100		
72	56.1	43.2	64.8
71	52.5	39.4	59.0

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#30

Chloroform

Concen: 21.232 ug/l

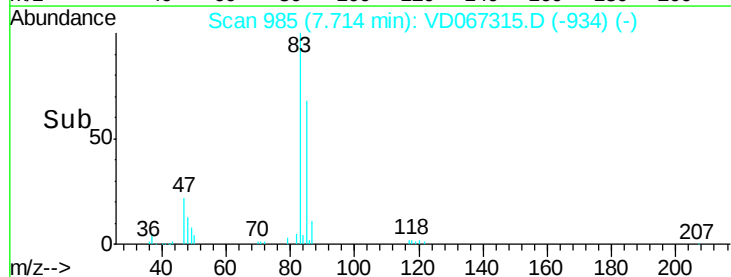
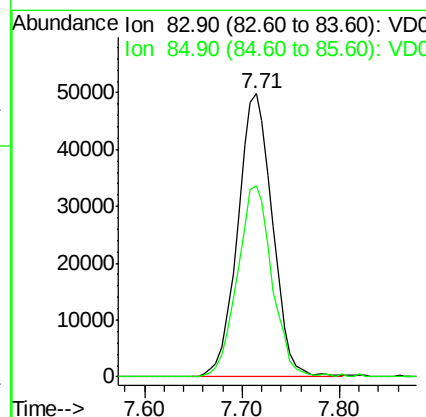
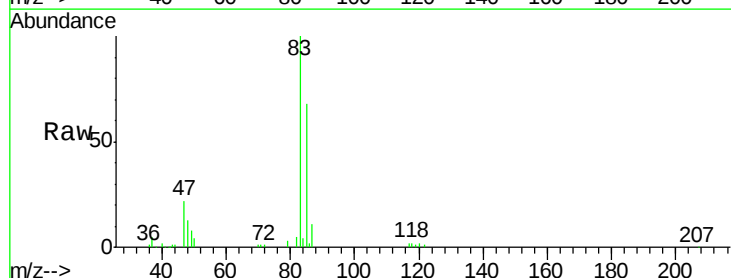
RT: 7.71 min Scan# 985

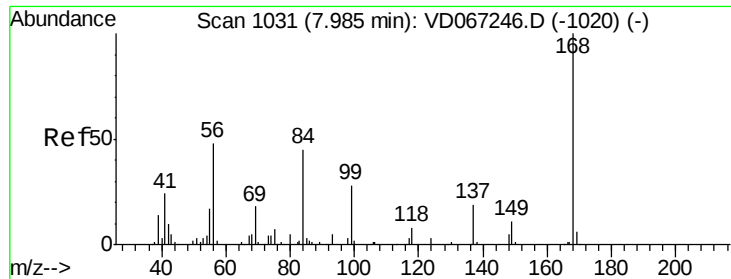
Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion:	83	Resp:	122970
Ion	Ratio	Lower	Upper
83	100		
85	67.6	47.3	70.9





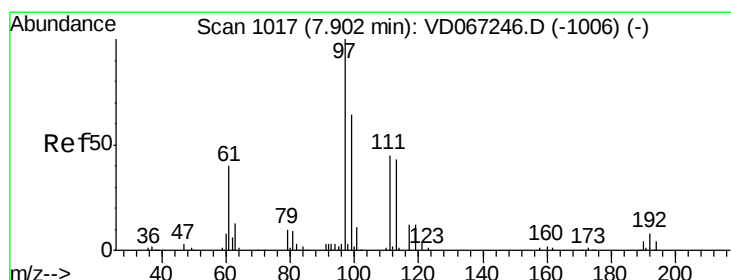
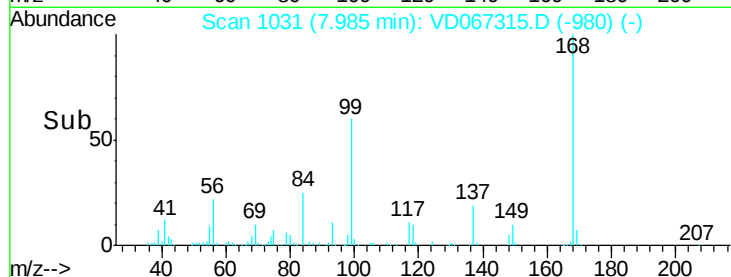
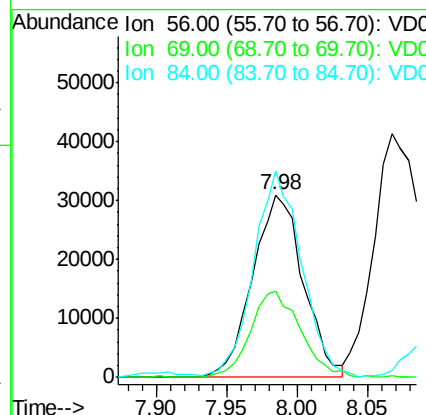
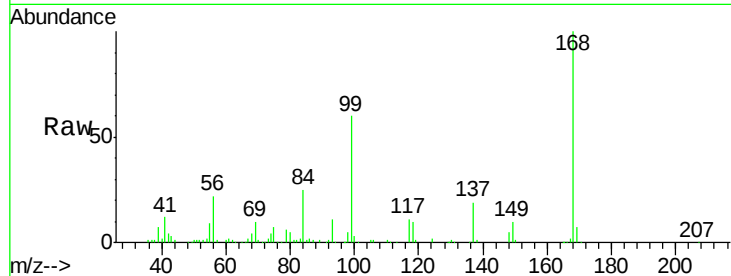
#31
Cvclohexane
Concen: 20.546 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 56 Resp: 77771
Ion Ratio Lower Upper
56 100
69 47.0 29.8 44.6#
84 111.7 76.6 114.8

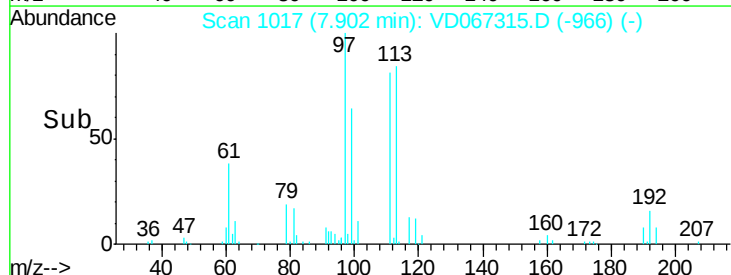
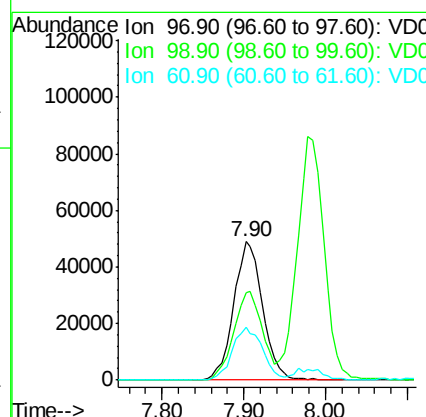
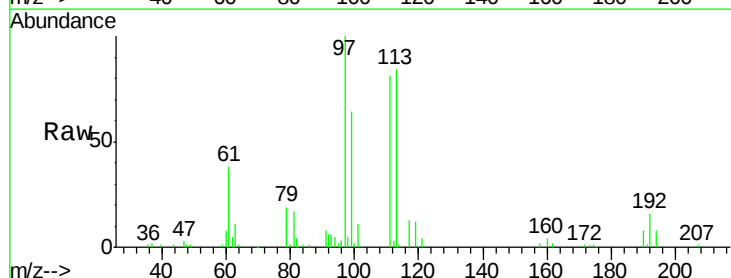
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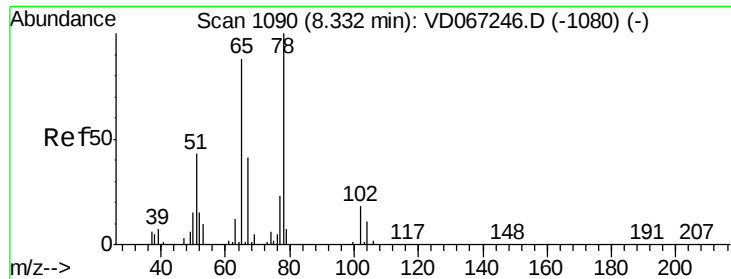
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#32
1,1,1-Trichloroethane
Concen: 21.196 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 97 Resp: 120446
Ion Ratio Lower Upper
97 100
99 63.5 50.2 75.4
61 39.5 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 48.099 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 65 Resp: 158072

Ion Ratio Lower Upper

65 100

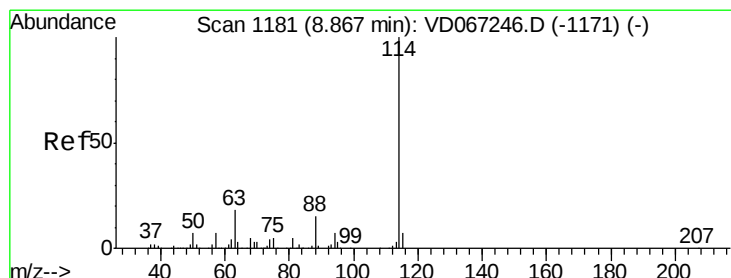
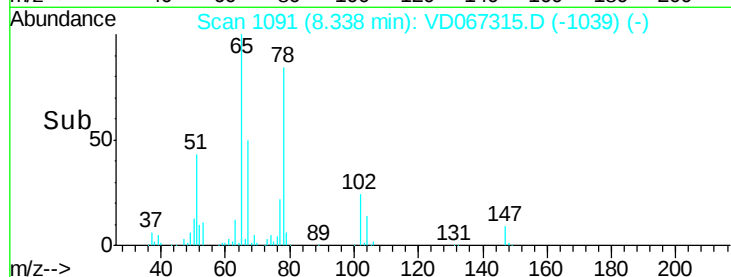
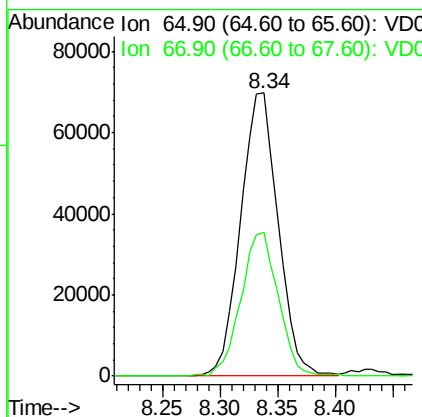
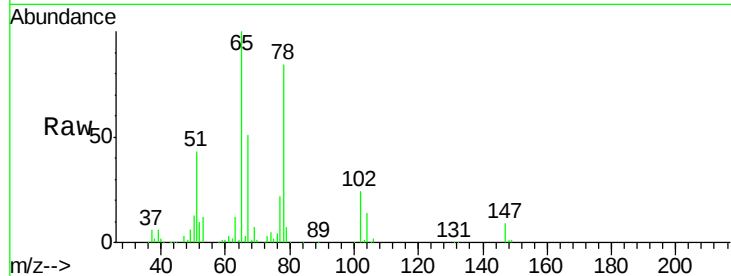
67 50.7 0.0 103.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

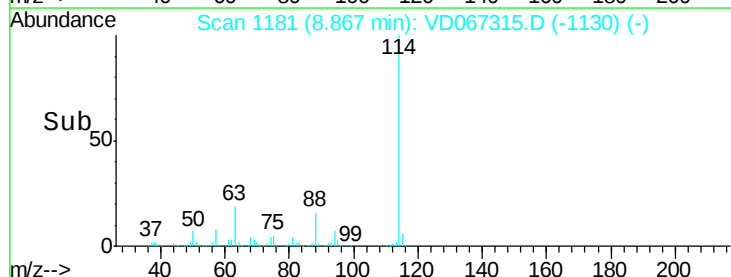
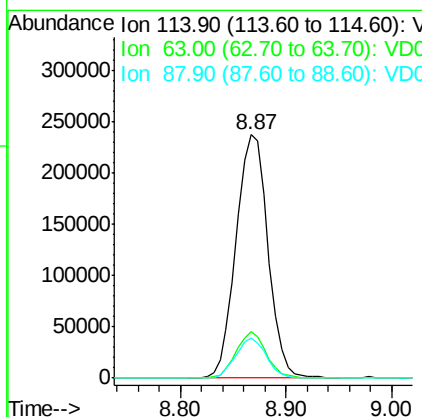
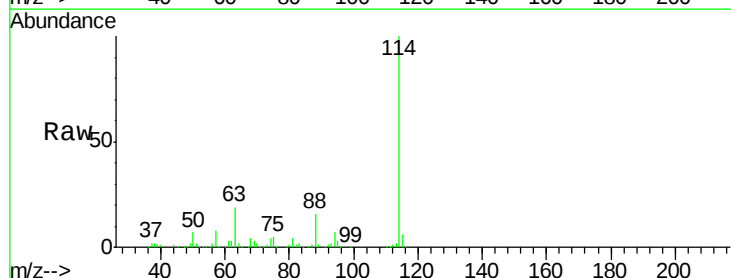
Tgt Ion: 114 Resp: 498891

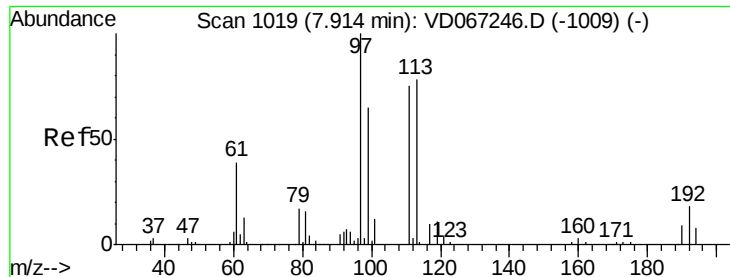
Ion Ratio Lower Upper

114 100

63 18.9 0.0 35.0

88 16.4 0.0 30.6





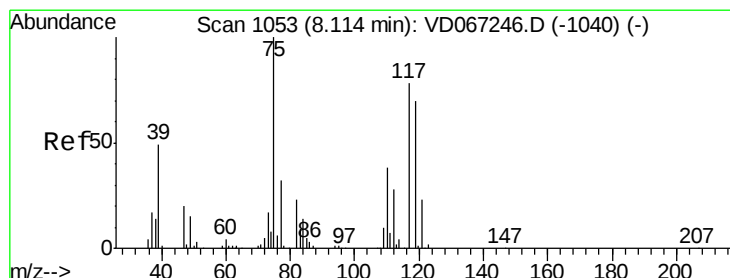
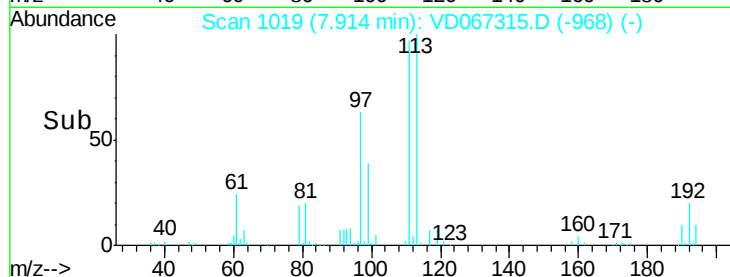
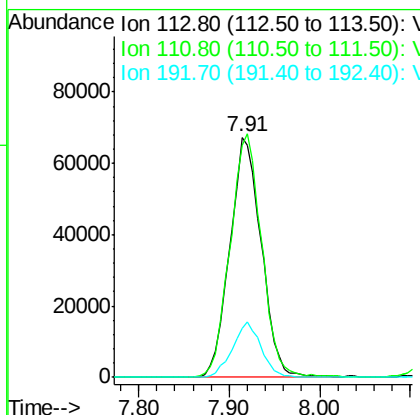
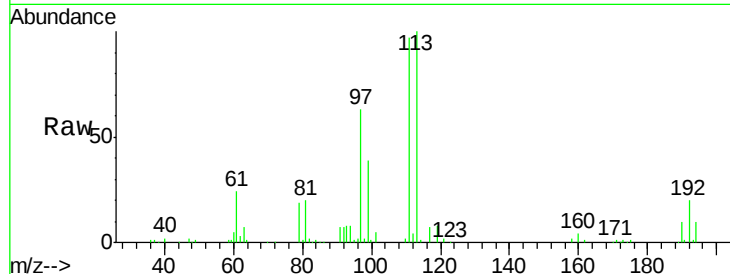
#35
 Dibromofluoromethane
 Concen: 48.803 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	162031		
111	101.9	81.6	122.4	
192	21.2	17.0	25.4	

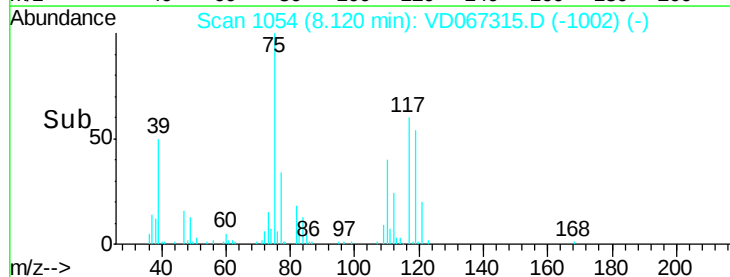
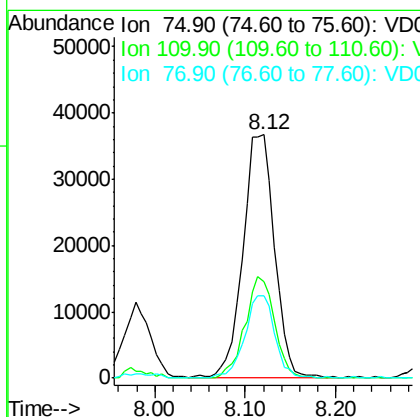
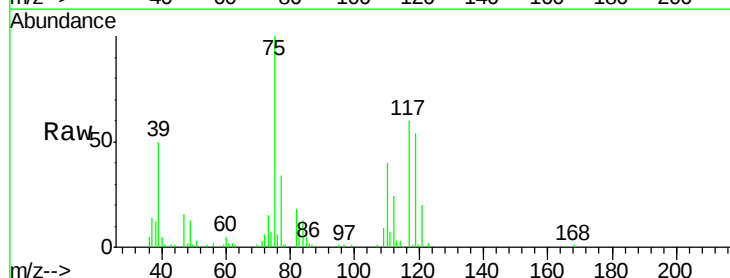
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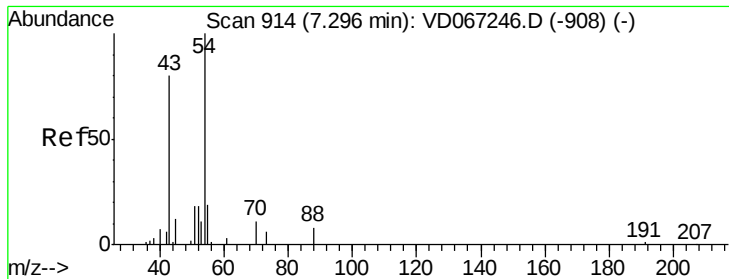
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#36
 1,1-Dichloropropene
 Concen: 21.113 ug/l
 RT: 8.12 min Scan# 1054
 Delta R.T. 0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	89273		
110	38.7	19.6	58.7	
77	32.0	24.6	37.0	





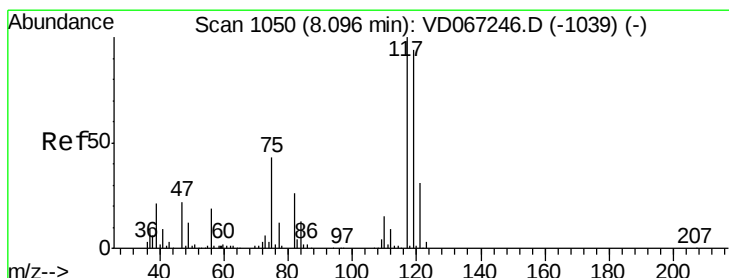
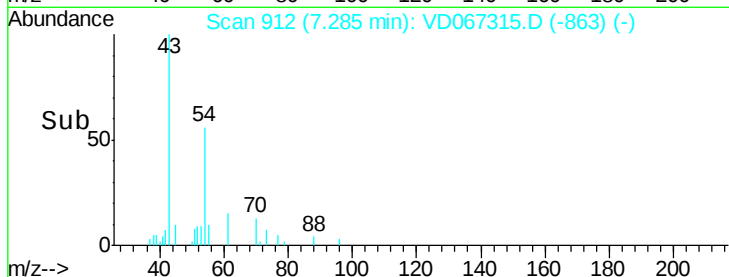
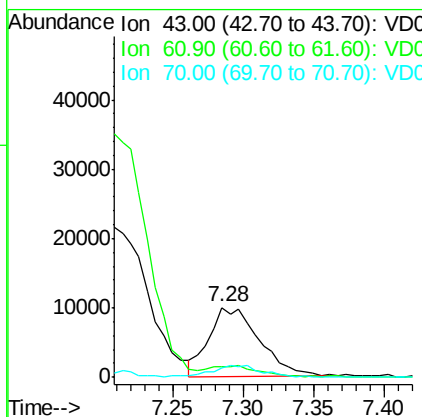
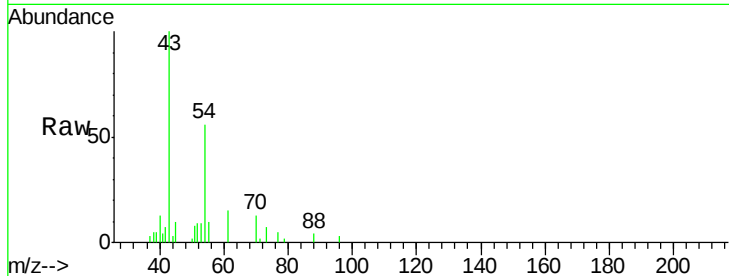
#37
Ethyl Acetate
Concen: 19.743 ug/l
RT: 7.28 min Scan# 912
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.4	15.6	23.4
70	17.4	10.4	15.6

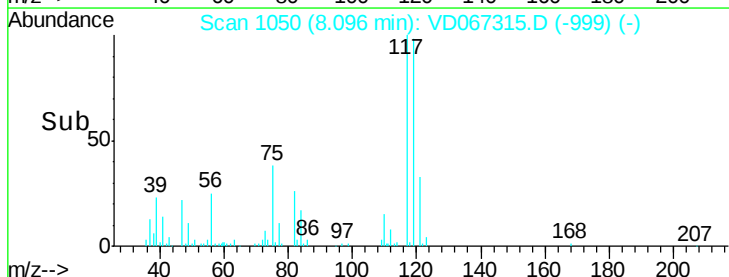
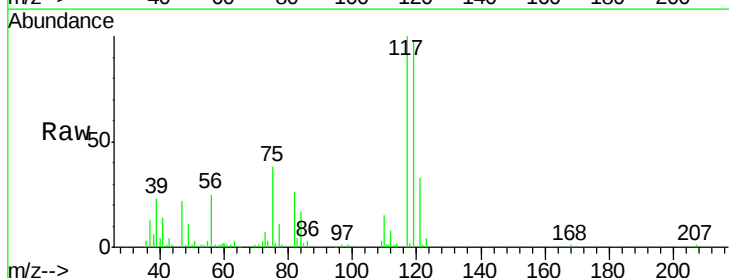
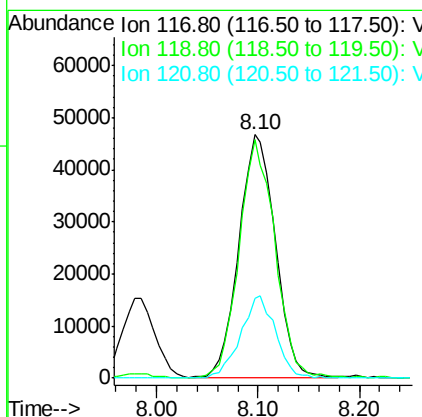
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#38
Carbon Tetrachloride
Concen: 21.691 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	75.0	112.4
121	32.6	24.9	37.3





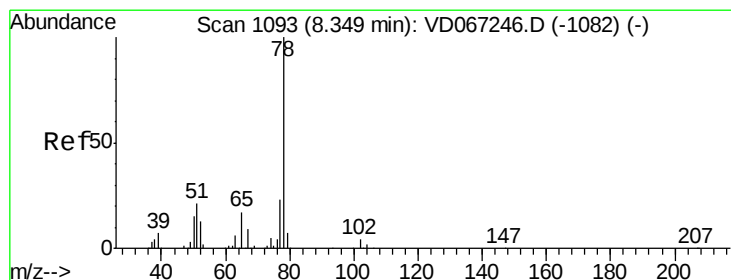
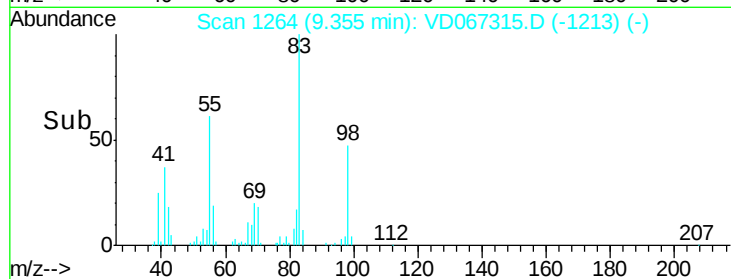
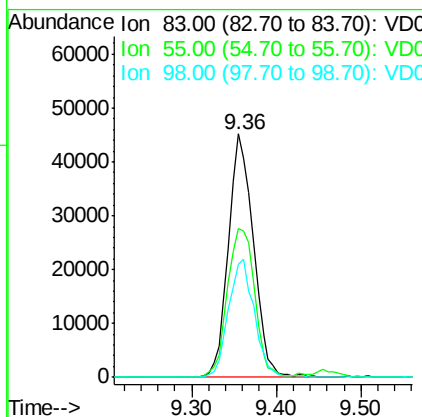
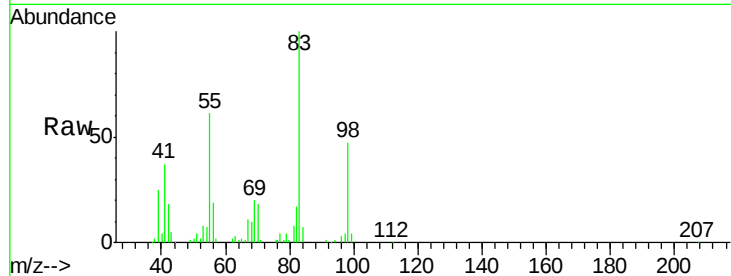
#39
Methvlcvclohexane
Concen: 20.867 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	61.2	53.3	79.9
98	46.6	41.0	61.4

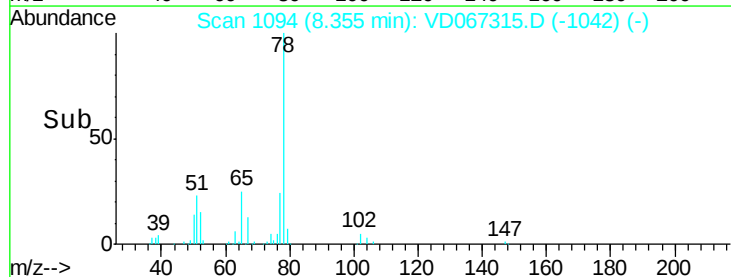
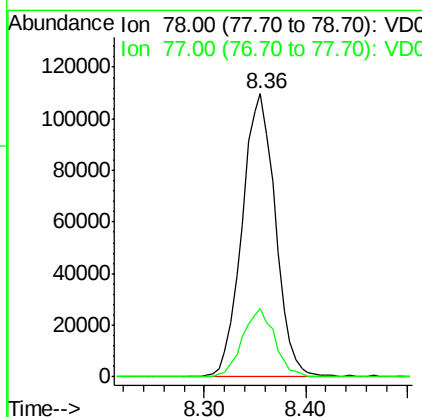
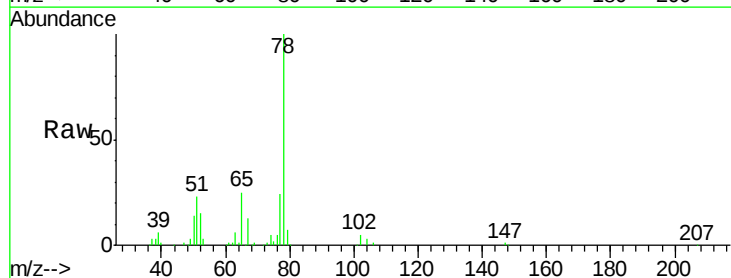
Manual Integrations
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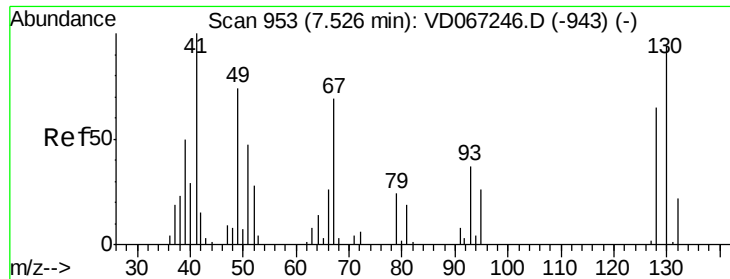
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#40
Benzene
Concen: 21.575 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.3	27.5





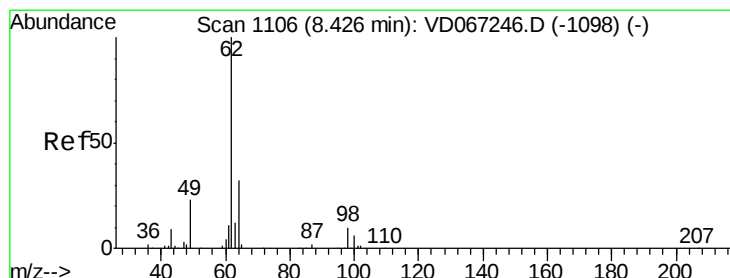
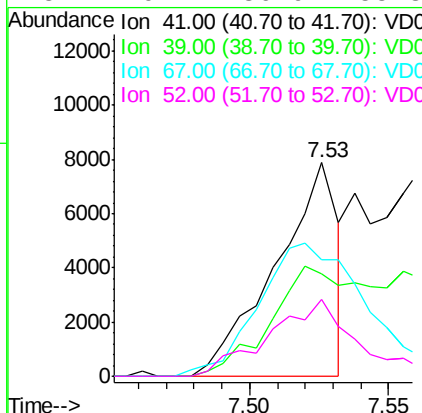
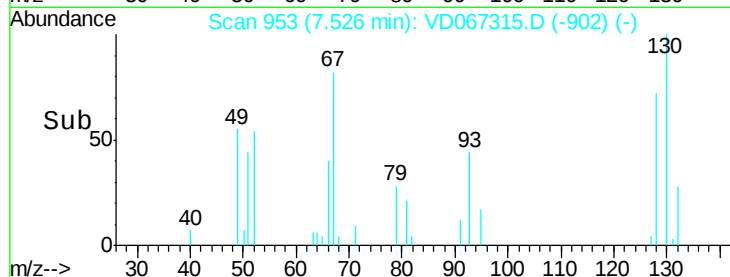
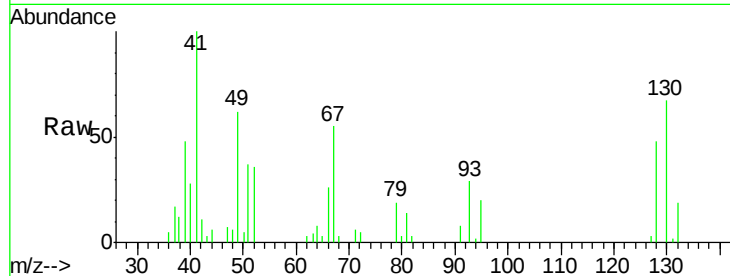
#41
Methacrylonitrile
Concen: 18.343 ug/l m
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	74.8	60.0	90.0
67	106.6	88.9	133.3
52	49.4	36.9	55.3

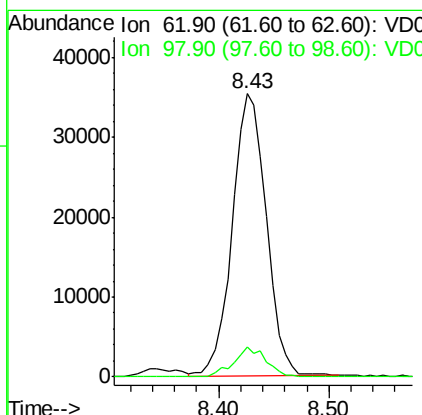
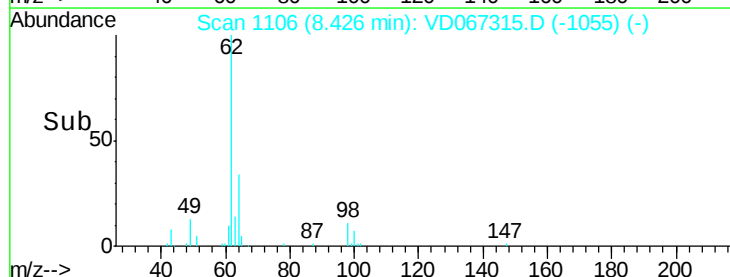
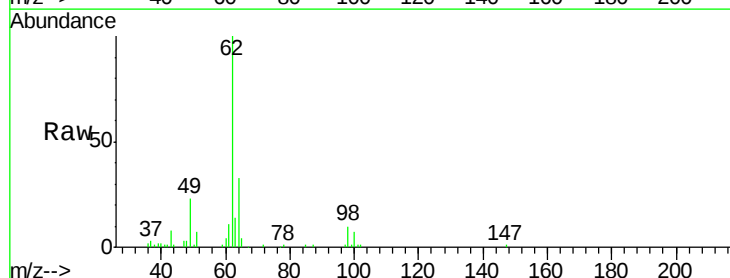
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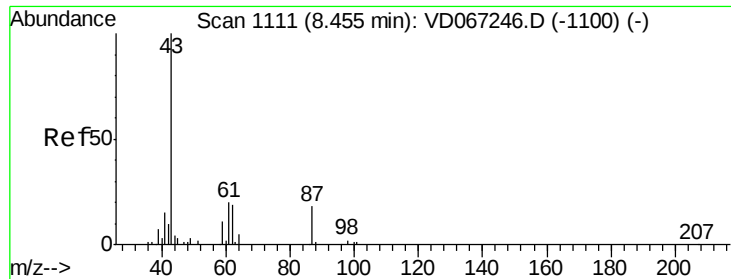
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#42
1,2-Dichloroethane
Concen: 21.082 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43

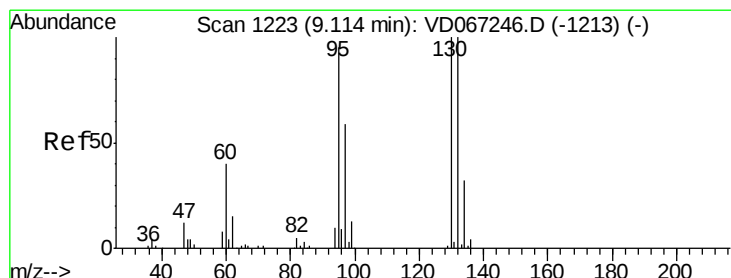
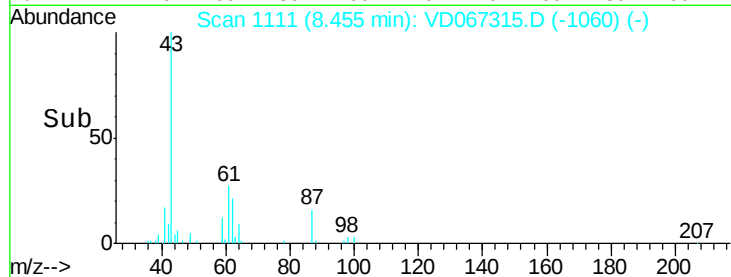
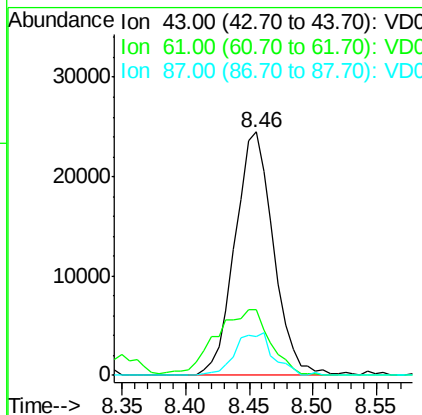
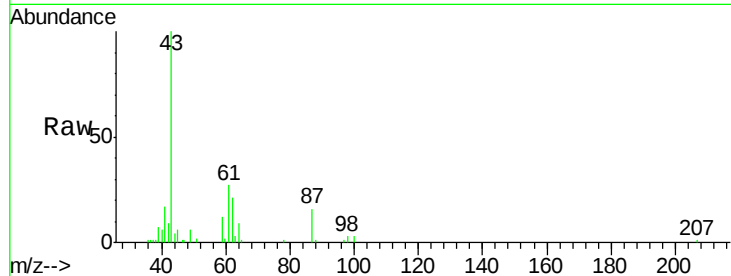
Isopropyl Acetate
 Concen: 20.854 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	43	Resp	51480
Ion Ratio	100	Lower	Upper
43	100		
61	38.5	29.5	44.3
87	17.1	14.2	21.4

Manual Integrations
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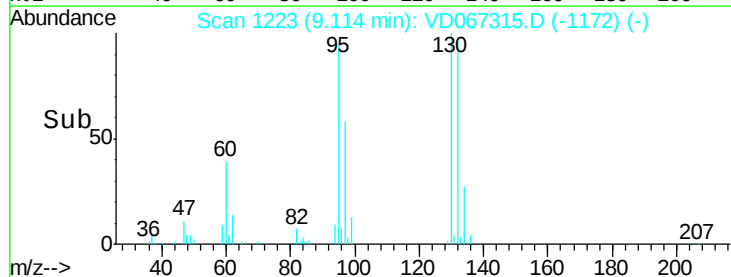
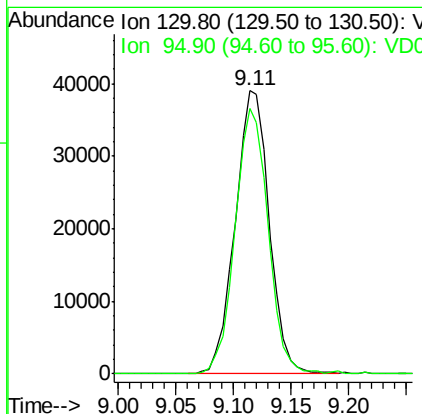
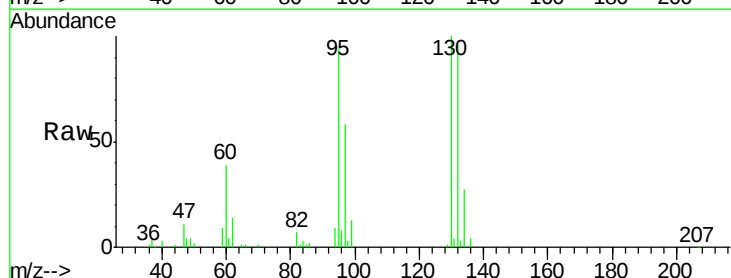
MMDadoda
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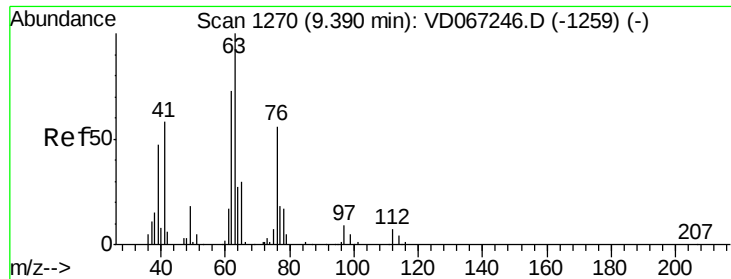


#44

Trichloroethene
 Concen: 21.477 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion	130	Resp	79768
Ion Ratio	100	Lower	Upper
130	100		
95	93.9	0.0	190.6





#45

1,2-Dichloropropane

Concen: 21.621 ug/l

RT: 9.40 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 63 Resp: 58128

Ion Ratio Lower Upper

63 100

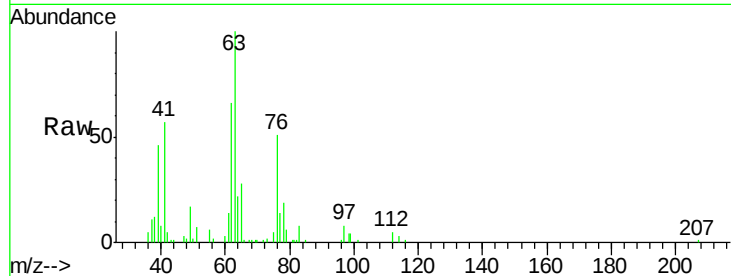
65 28.4 24.6 36.8

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC

9.40

30000

25000

20000

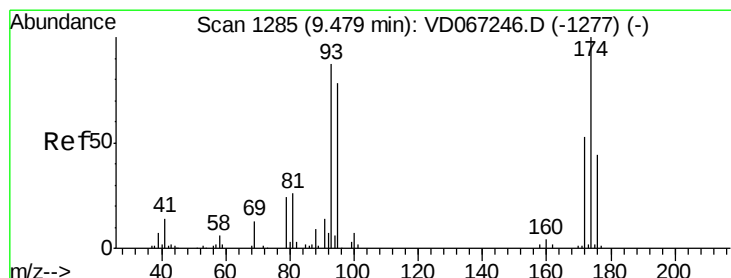
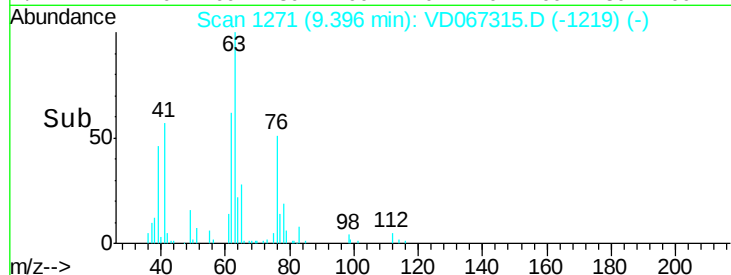
15000

10000

5000

0

Time-->



#46

Dibromomethane

Concen: 21.687 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

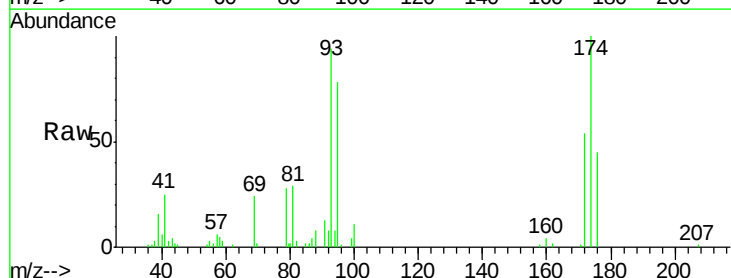
Tgt Ion: 93 Resp: 36326

Ion Ratio Lower Upper

93 100

95 81.1 68.0 102.0

174 103.2 91.8 137.6



Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V

25000

20000

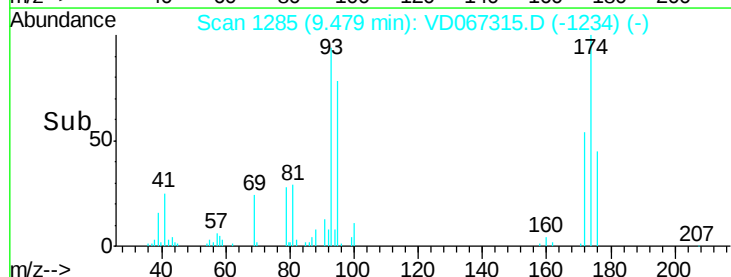
15000

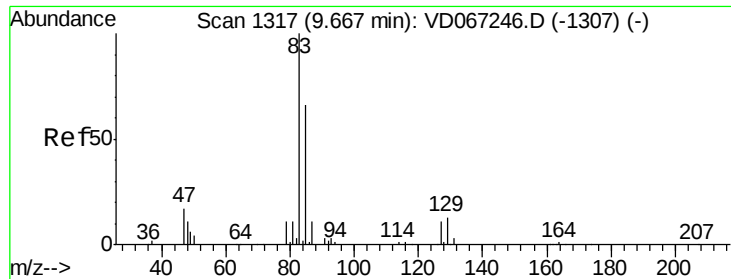
10000

5000

0

Time-->





#47

Bromodichloromethane

Concen: 21.560 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

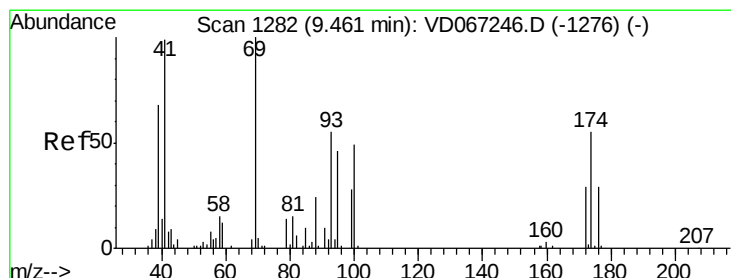
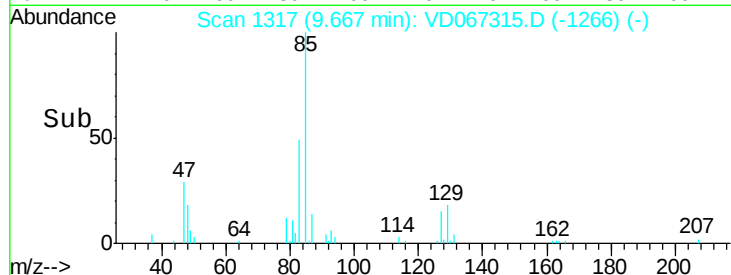
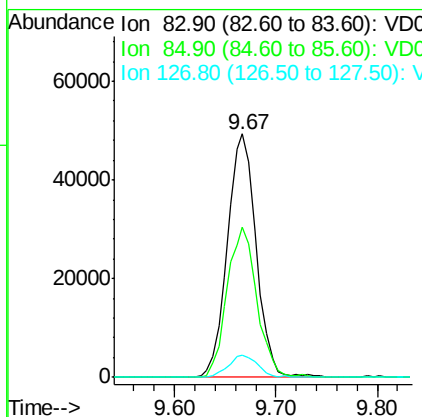
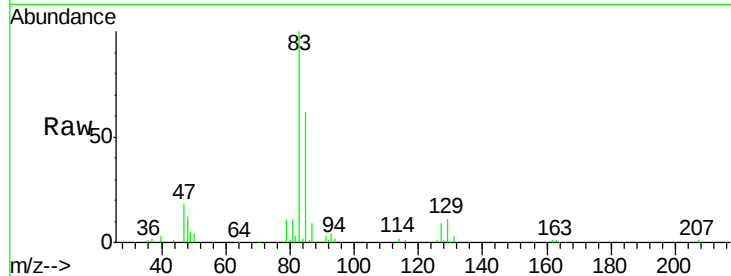
ClientSampleId :

VD1020SBS01

Tot Ion:	83	Resp:	96755
Ion Ratio	Lower	Upper	
83	100		
85	61.6	53.1	79.7
127	9.3	8.6	13.0

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#48

Methyl methacrylate

Concen: 20.320 ug/l

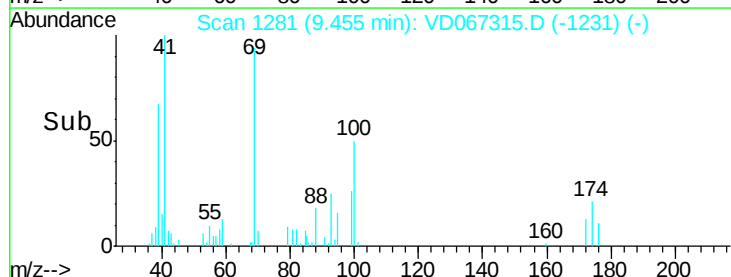
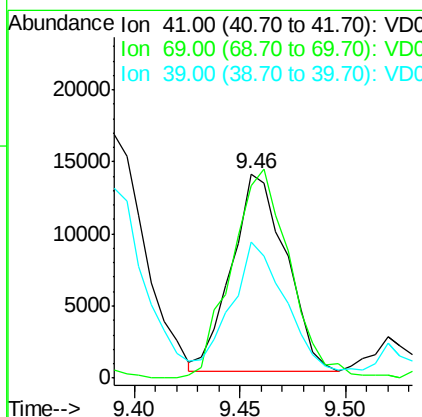
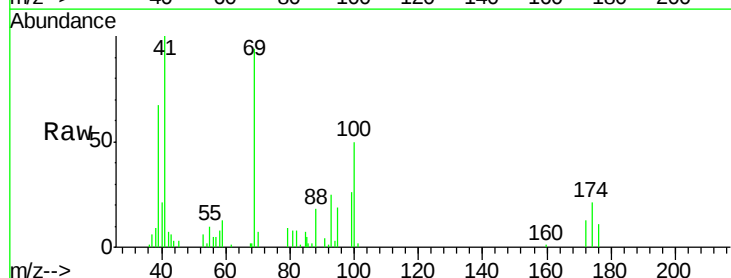
RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion:	41	Resp:	24377
Ion Ratio	Lower	Upper	
41	100		
69	114.3	89.0	133.6
39	72.4	60.2	90.2





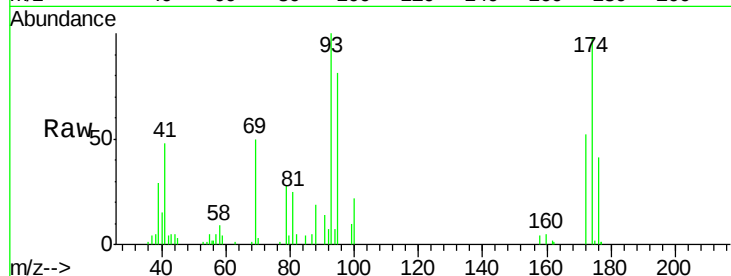
#49
1,4-Dioxane
Concen: 425.811 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

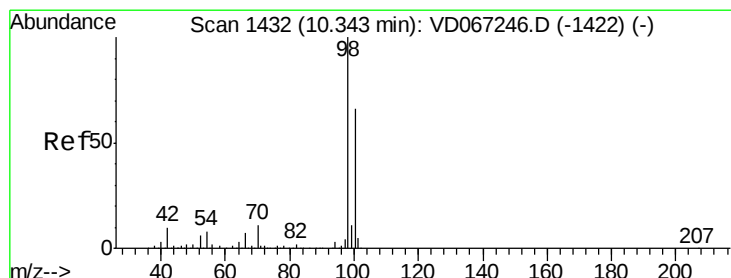
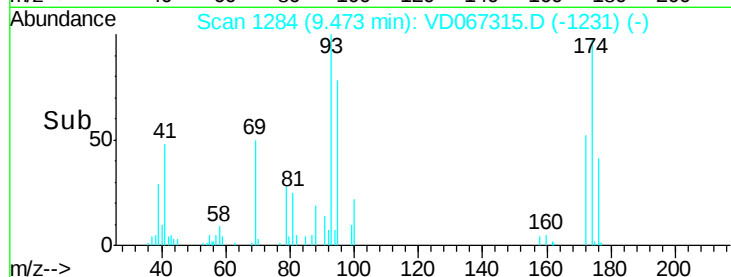
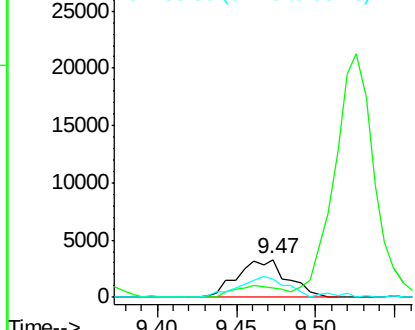
Tot Ion	88	Resp	7185
Ion	Ratio	Lower	Upper
88	100		
43	30.1	23.9	35.9
58	52.4	51.0	76.6

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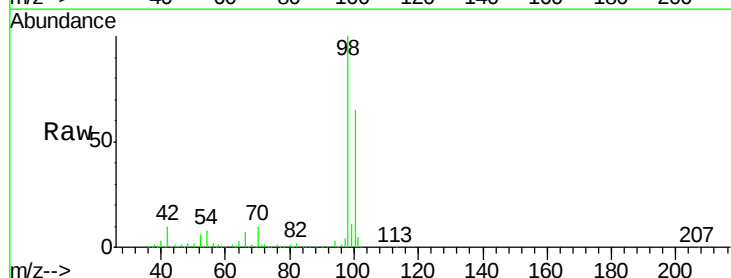


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

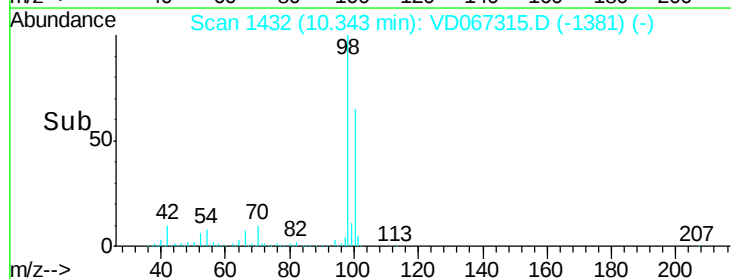
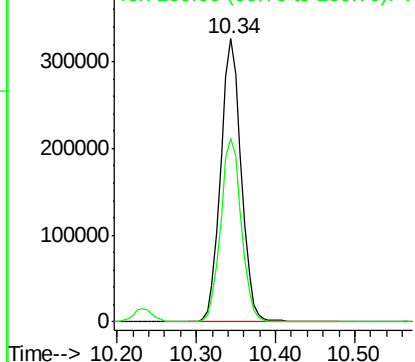


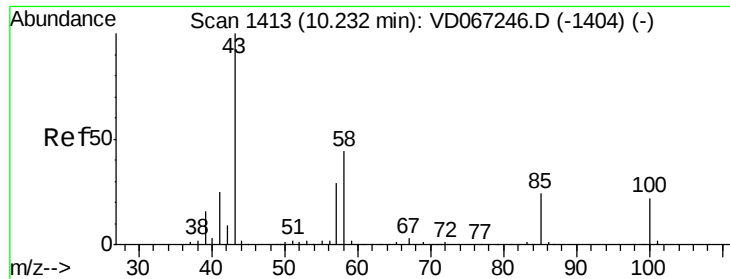
#50
Toluene-d8
Concen: 48.674 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	98	Resp	584835
Ion	Ratio	Lower	Upper
98	100		
100	65.6	53.1	79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 103.758 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion: 43 Resp: 127752

Ion Ratio Lower Upper

43 100

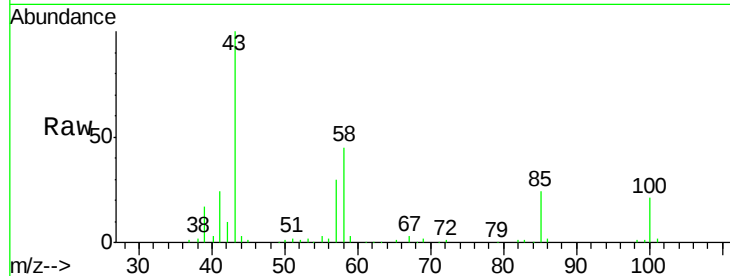
58 42.7 35.7 53.5

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

60000

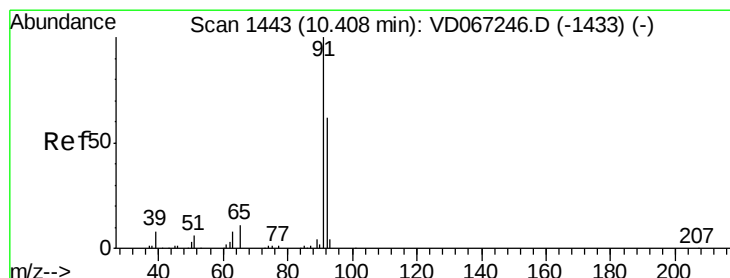
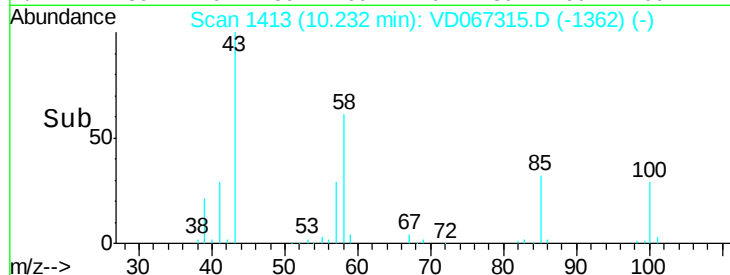
40000

20000

0

10.20 10.30

Time-->



#52

Toluene

Concen: 21.966 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067315.D

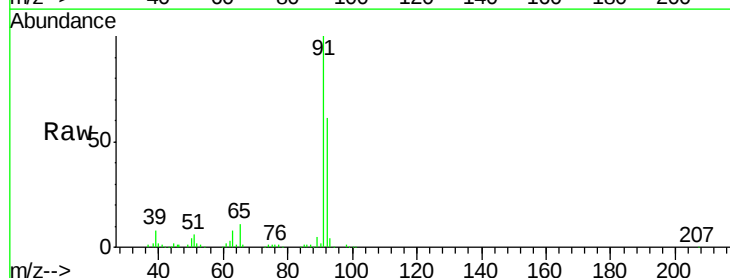
Acq: 20 Oct 2020 11:12

Tgt Ion: 92 Resp: 173553

Ion Ratio Lower Upper

92 100

91 166.6 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.41

150000

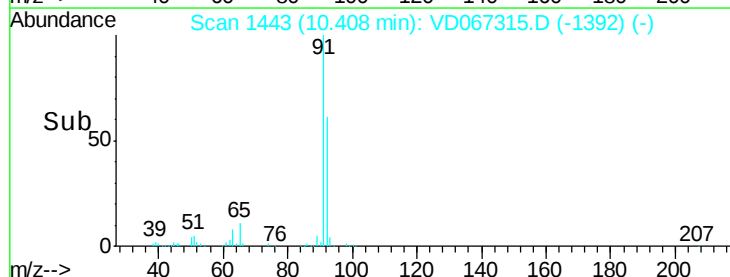
100000

50000

0

10.30 10.40 10.50

Time-->





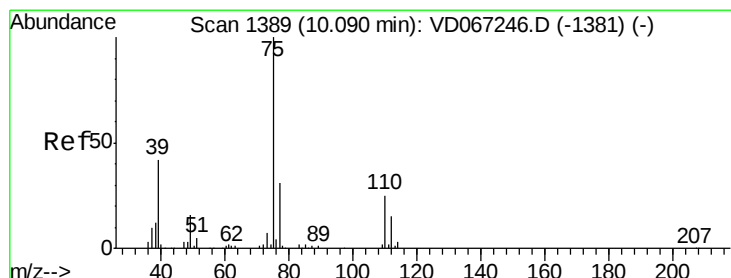
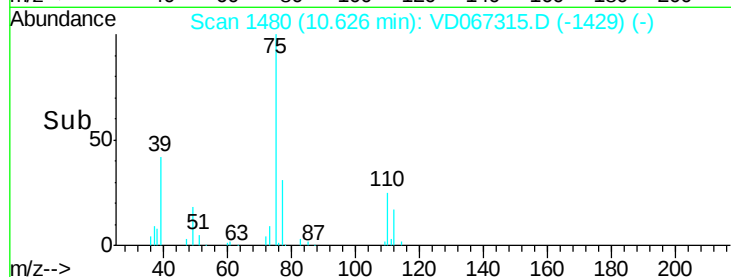
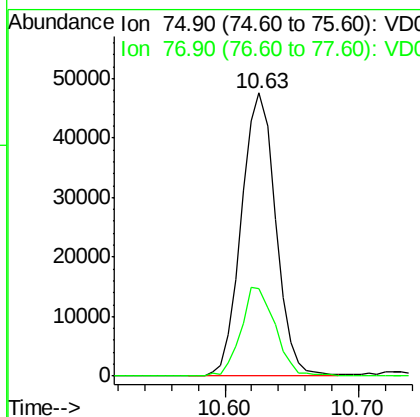
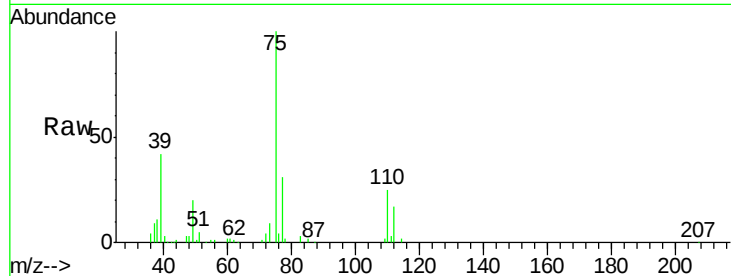
#53
 t-1,3-Dichloropropene
 Concen: 21.454 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion: 75 Resp: 84578
 Ion Ratio Lower Upper
 75 100
 77 30.8 26.5 39.7

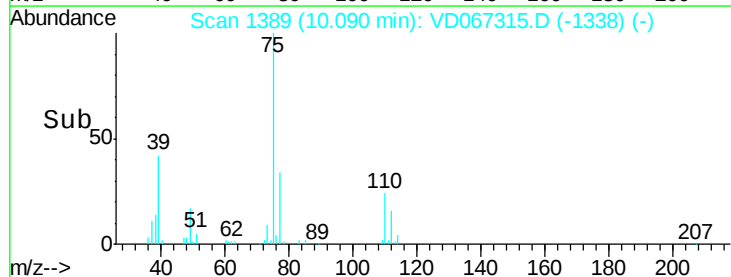
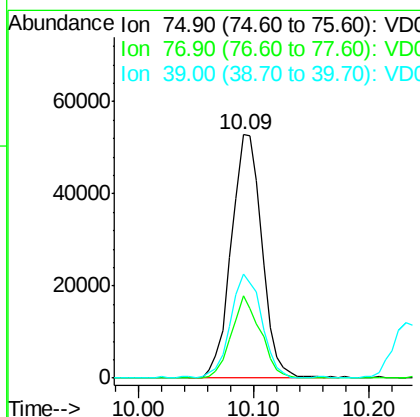
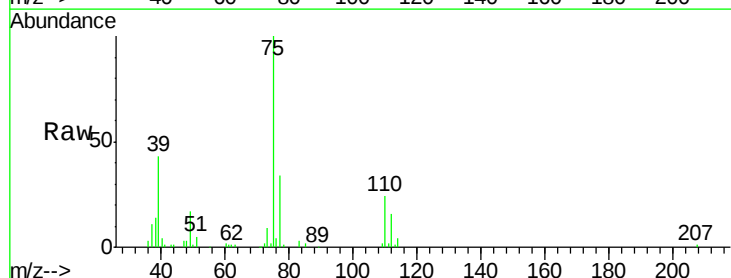
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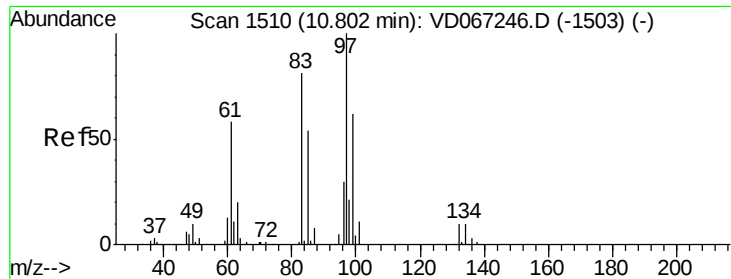
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#54
 cis-1,3-Dichloropropene
 Concen: 21.141 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion: 75 Resp: 97538
 Ion Ratio Lower Upper
 75 100
 77 33.7 24.5 36.7
 39 42.4 33.7 50.5





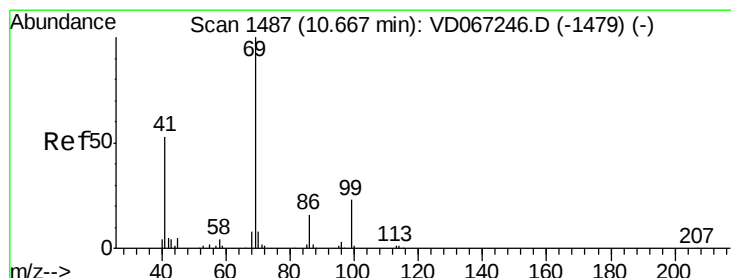
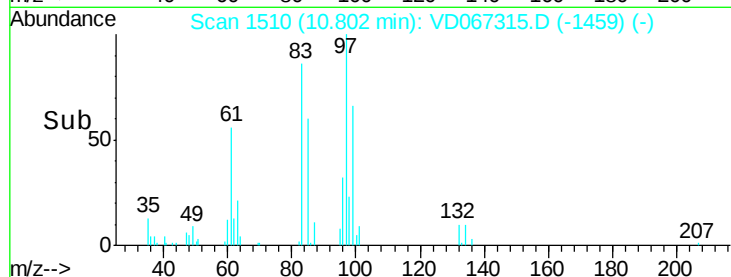
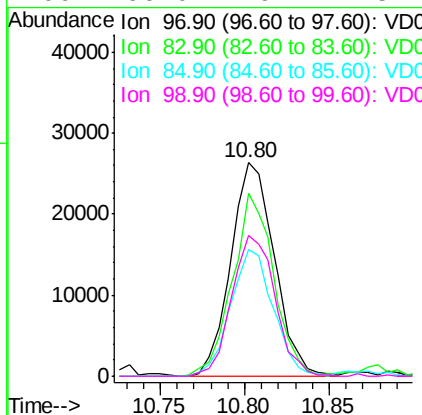
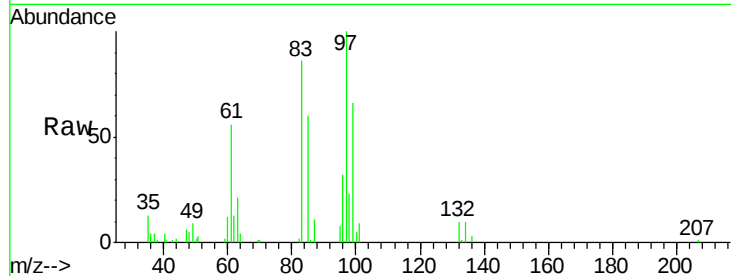
#55
 1,1,2-Trichloroethane
 Concen: 20.736 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	97	Resp:	47363
Ion	Ratio	Lower	Upper
97	100		
83	84.9	64.9	97.3
85	59.6	43.3	64.9
99	66.0	49.1	73.7

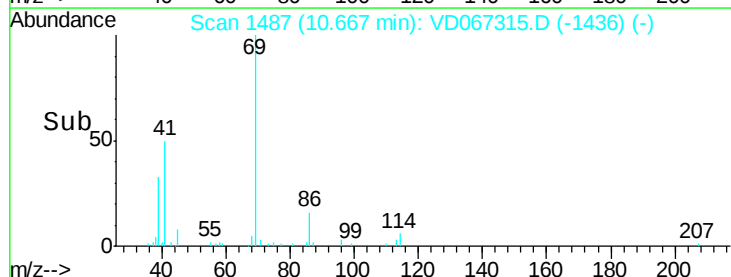
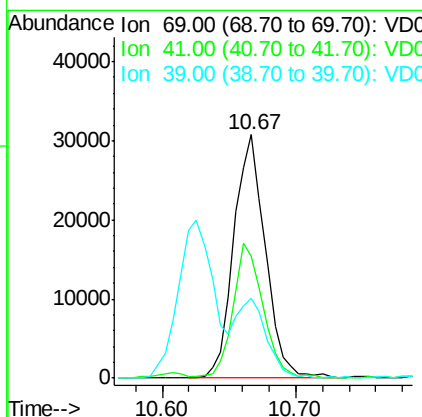
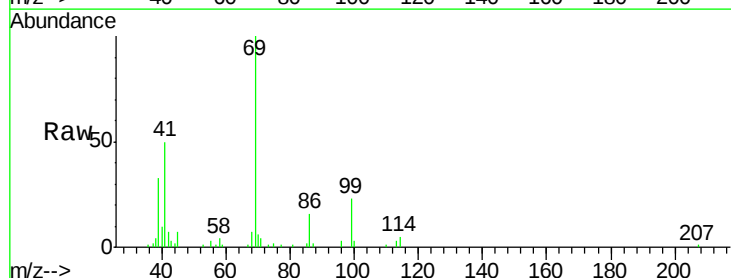
Manual Integrations
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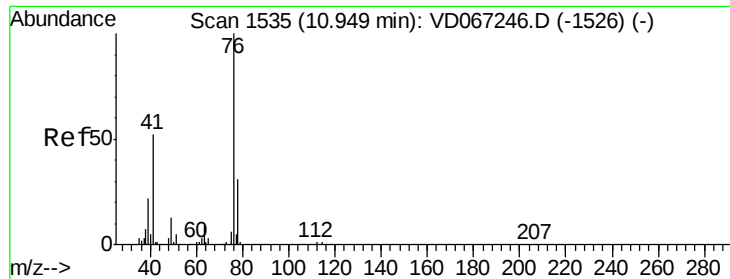
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#56
 Ethyl methacrylate
 Concen: 21.365 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion	69	Resp:	50612
Ion	Ratio	Lower	Upper
69	100		
41	52.6	44.7	67.1
39	31.4	26.2	39.2





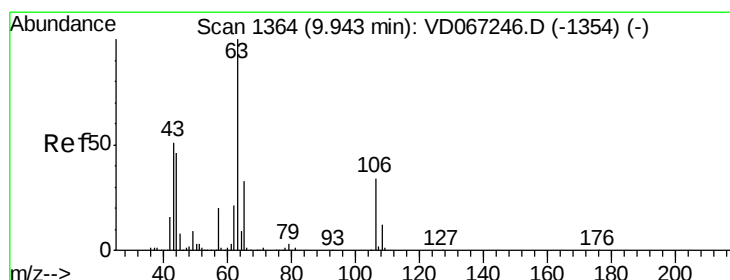
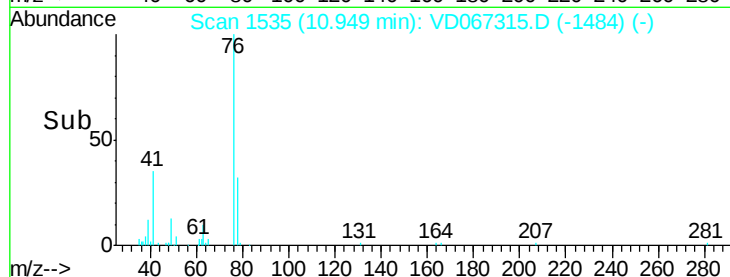
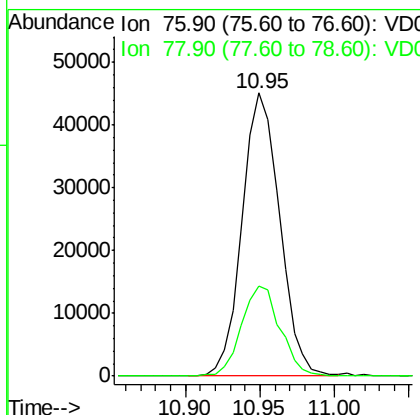
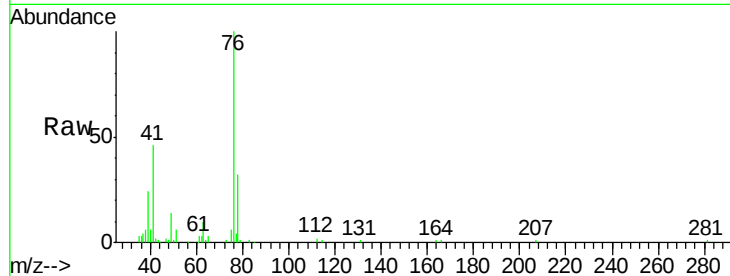
#57
 1,3-Dichloropropane
 Concen: 21.634 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion: 76 Resp: 78642
 Ion Ratio Lower Upper
 76 100
 78 32.7 26.8 40.2

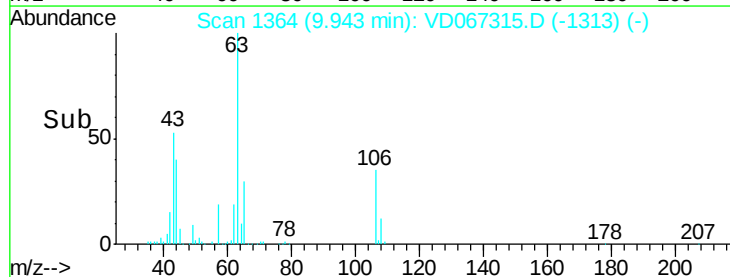
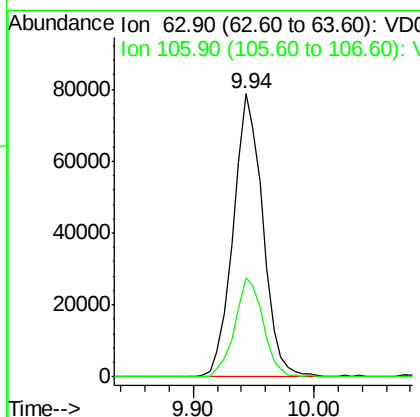
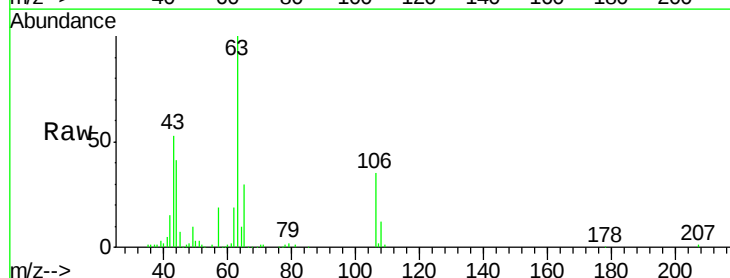
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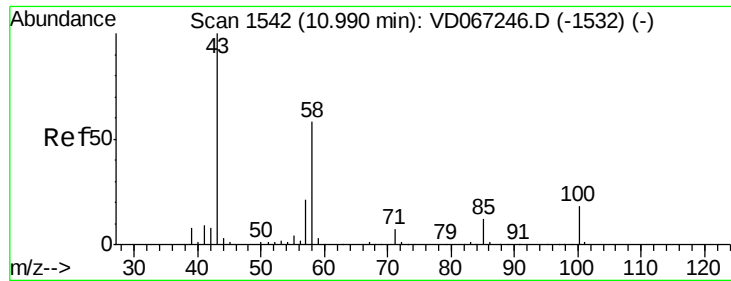
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#58
 2-Chloroethyl Vinyl ether
 Concen: 110.764 ug/l
 RT: 9.94 min Scan# 1364
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion: 63 Resp: 134605
 Ion Ratio Lower Upper
 63 100
 106 33.7 27.8 41.6





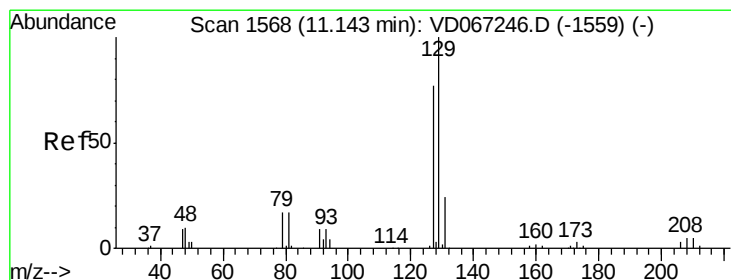
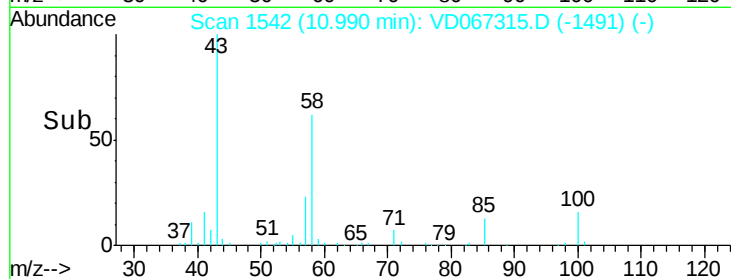
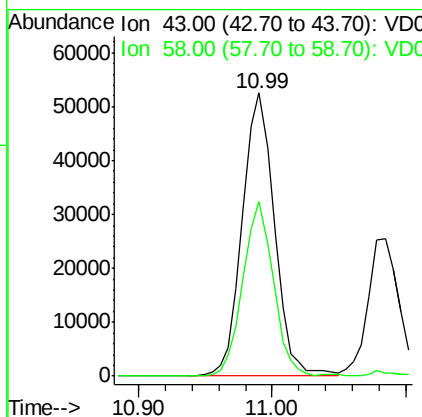
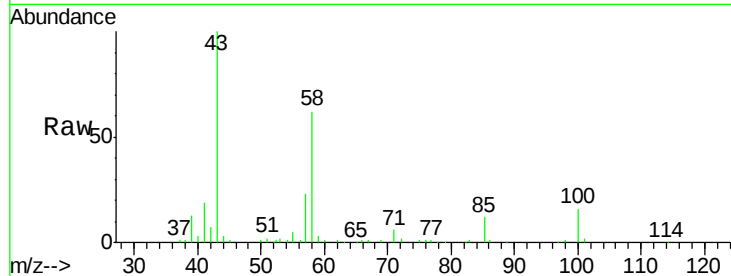
#59
2-Hexanone
Concen: 104.072 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 43 Resp: 87561
Ion Ratio Lower Upper
43 100
58 58.7 29.3 87.9

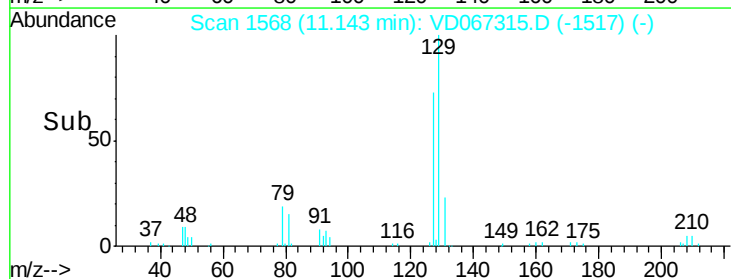
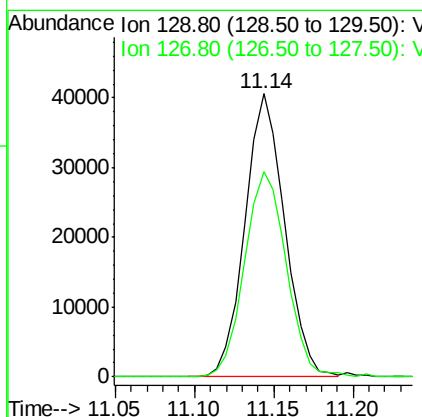
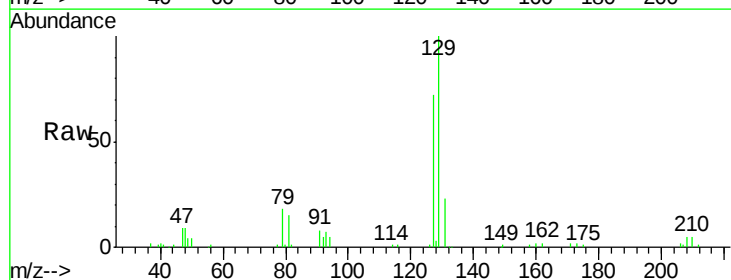
Manual Integrations
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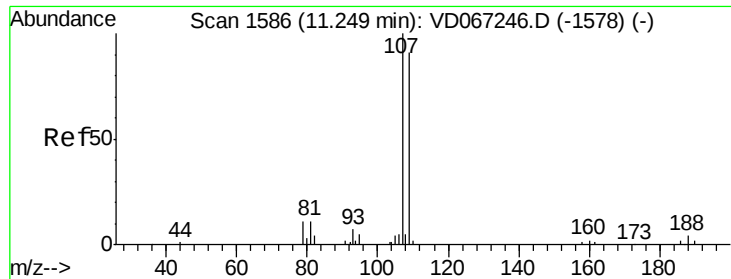
MMDadoda
10/21/2020 2:51:55 PM



#60
Dibromochloromethane
Concen: 21.200 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 129 Resp: 70620
Ion Ratio Lower Upper
129 100
127 76.3 38.3 114.8





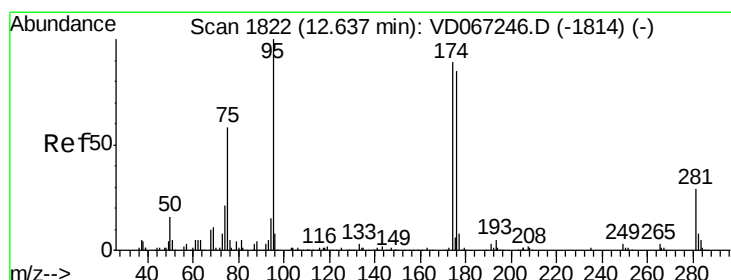
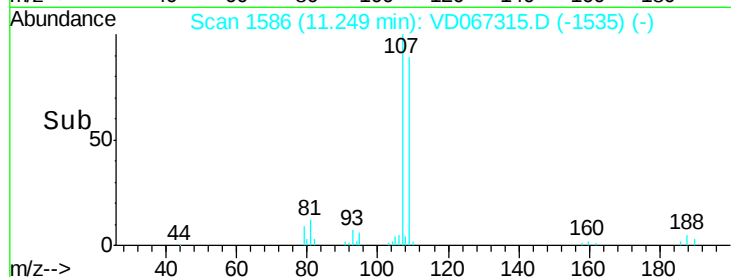
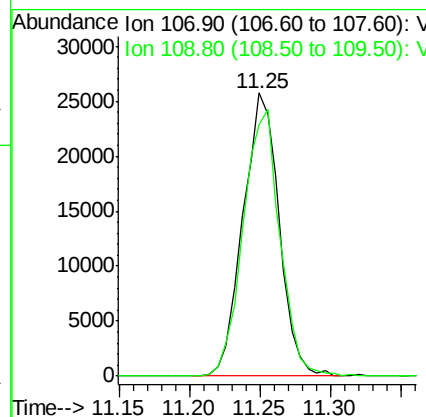
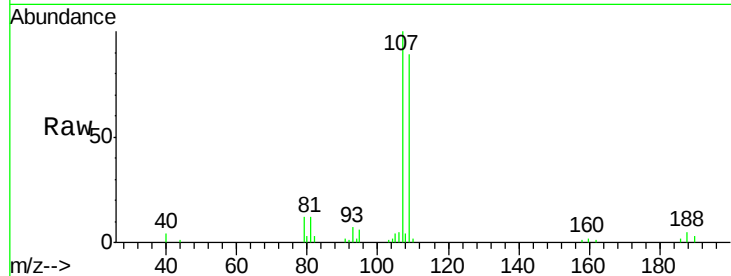
#61
 1,2-Dibromoethane
 Concen: 20.489 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.8	74.6	112.0

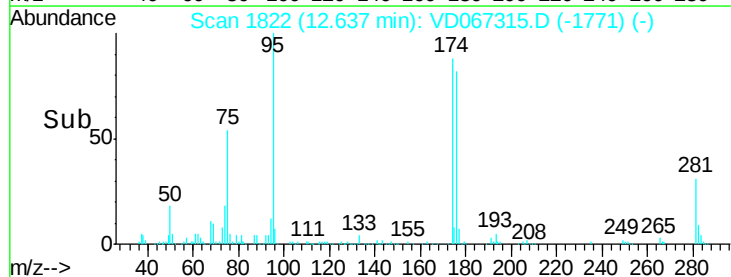
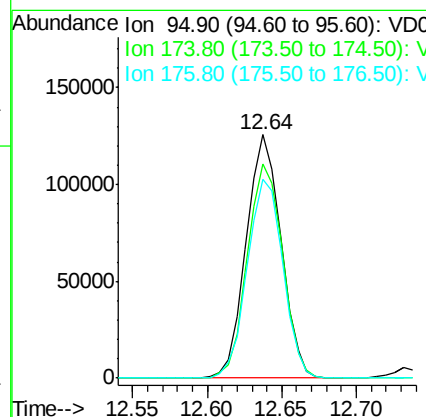
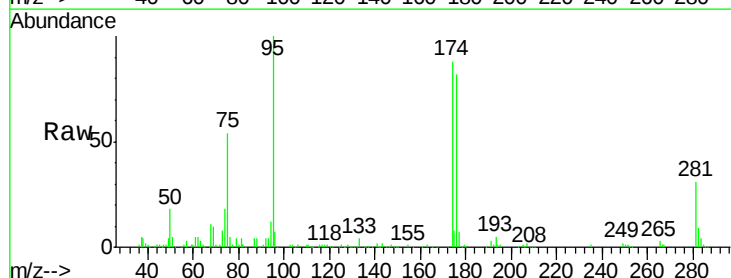
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#62
 4-Bromofluorobenzene
 Concen: 48.509 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.4	0.0	175.2
176	83.6	0.0	168.6





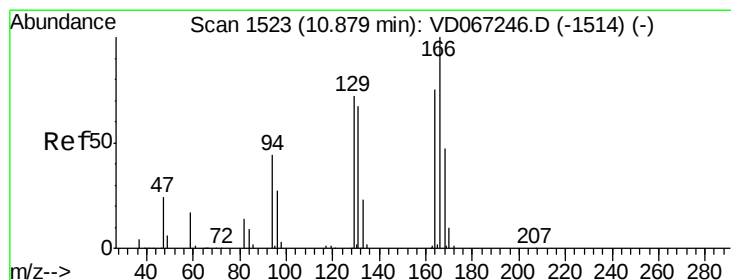
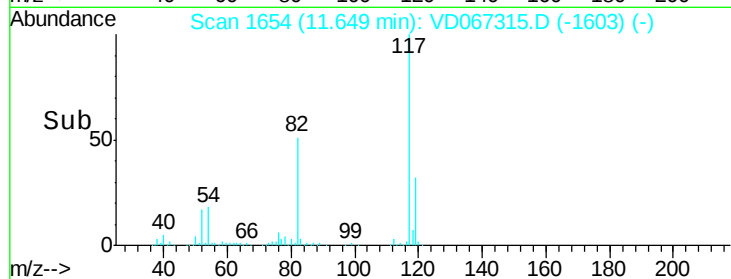
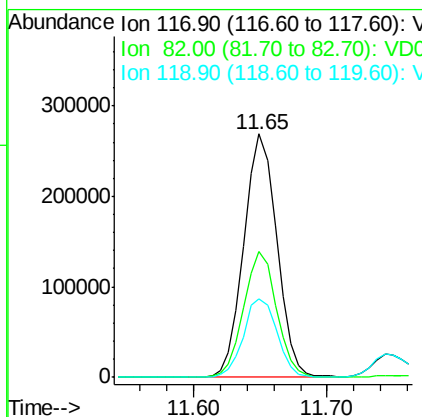
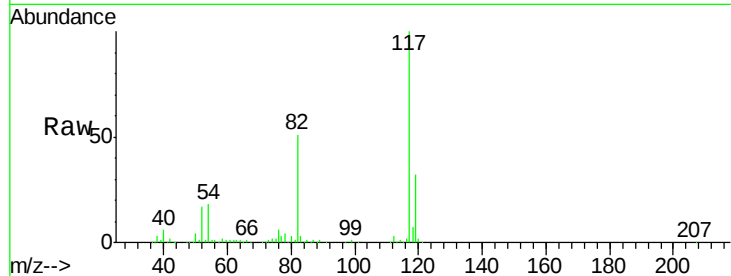
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	461422		
82	51.5	39.9	59.9	
119	32.4	24.9	37.3	

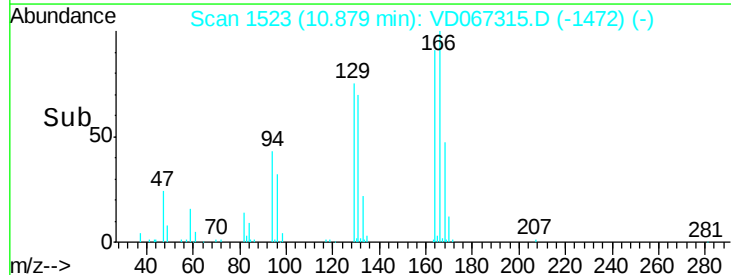
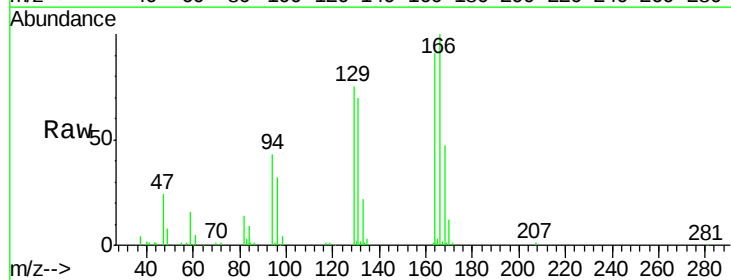
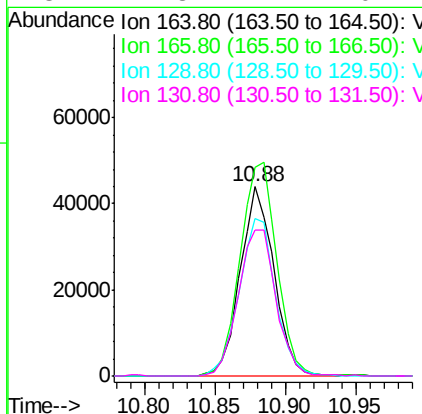
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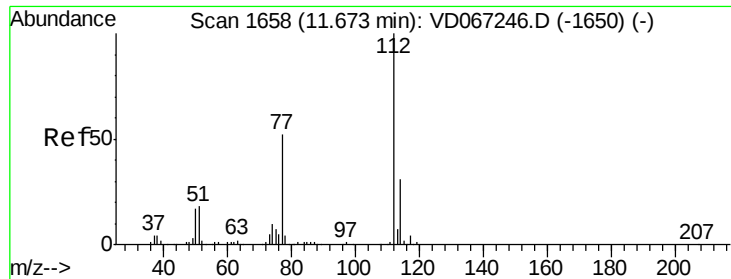
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#64
Tetrachloroethene
Concen: 22.065 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	73768		
166	110.4	107.3	160.9	
129	82.8	77.3	115.9	
131	77.3	71.4	107.2	





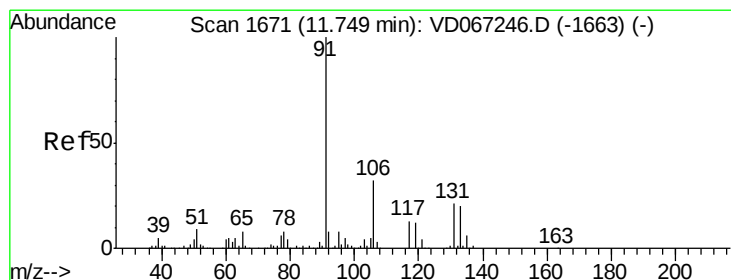
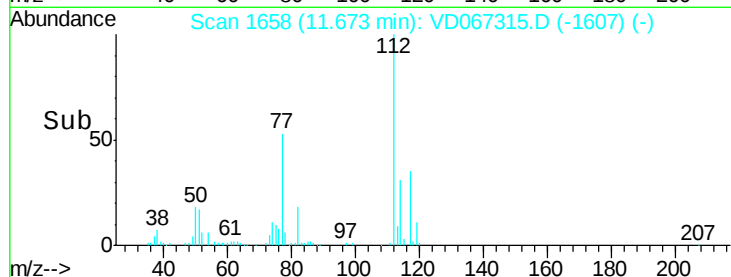
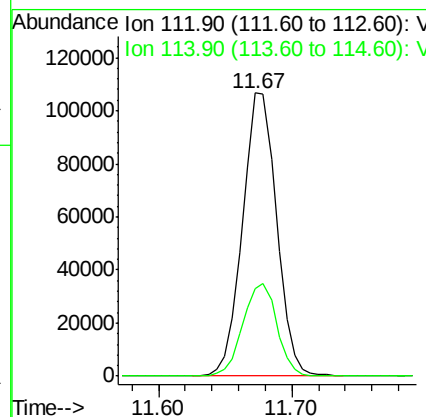
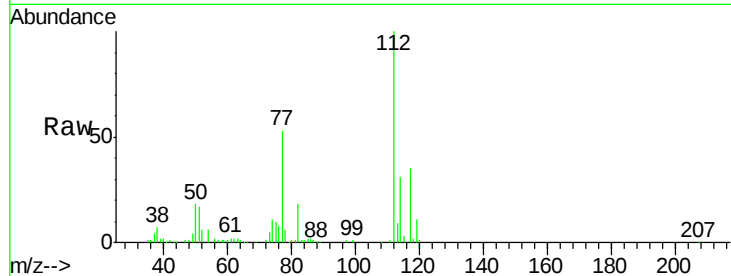
#65
Chlorobenzene
Concen: 21.285 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion:112 Resp: 188336
Ion Ratio Lower Upper
112 100
114 30.8 25.0 37.4

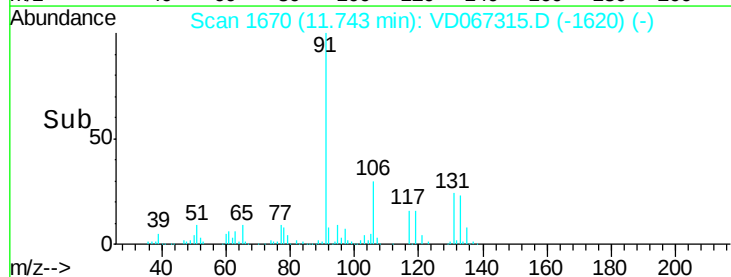
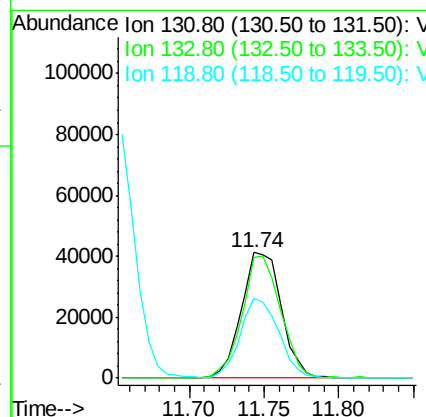
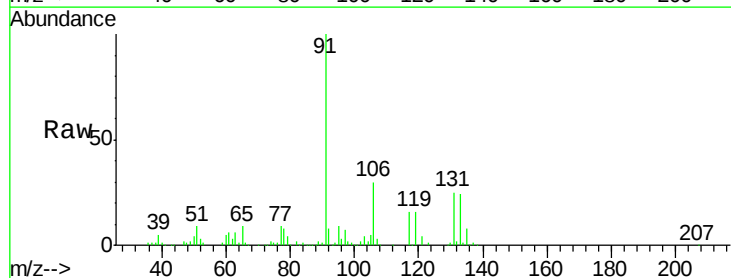
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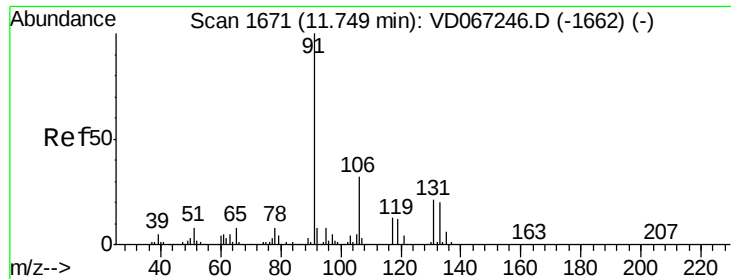
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.795 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion:131 Resp: 76647
Ion Ratio Lower Upper
131 100
133 94.0 48.1 144.3
119 61.2 30.0 90.0





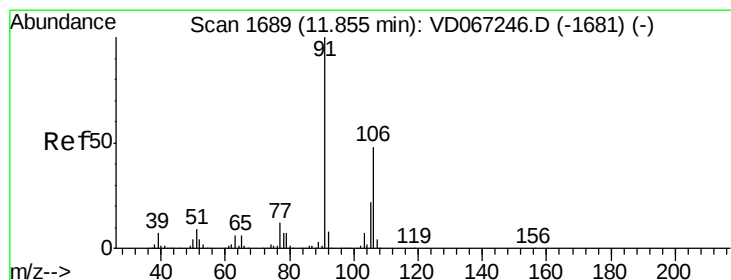
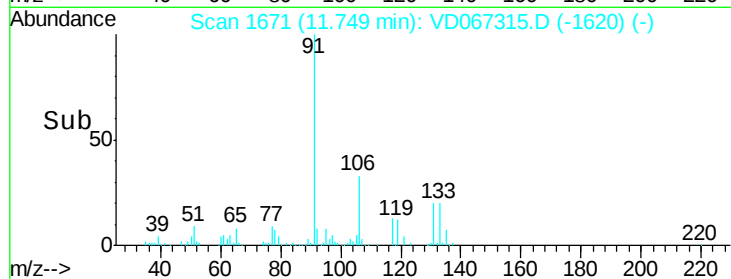
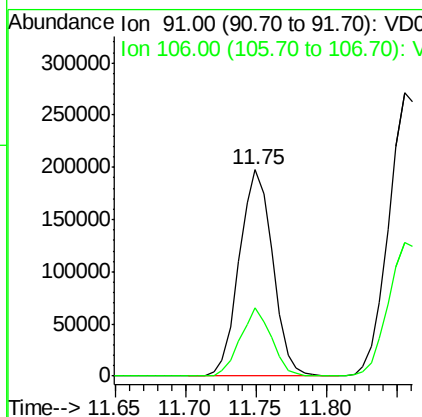
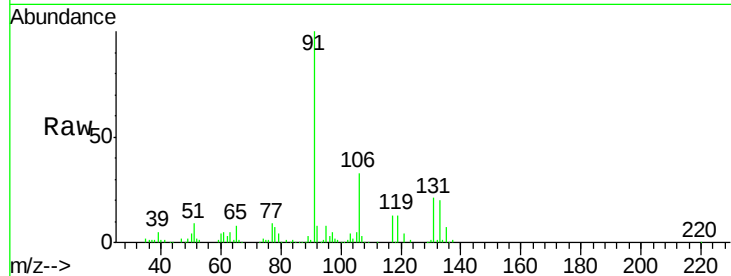
#67
Ethyl Benzene
Concen: 21.617 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 91 Resp: 327874
Ion Ratio Lower Upper
91 100
106 33.0 25.4 38.0

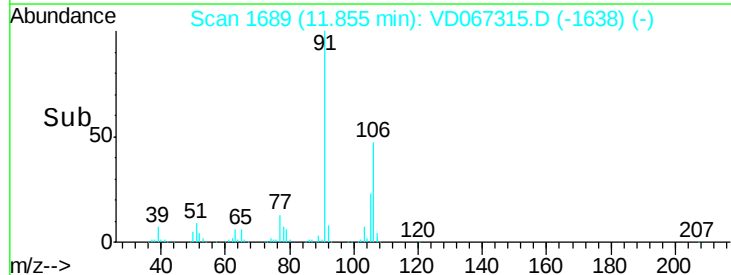
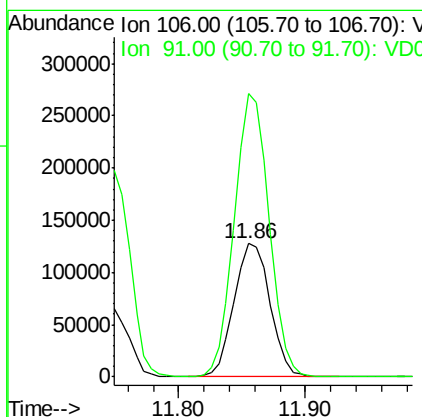
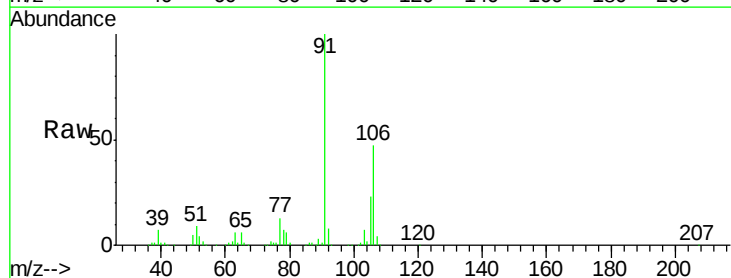
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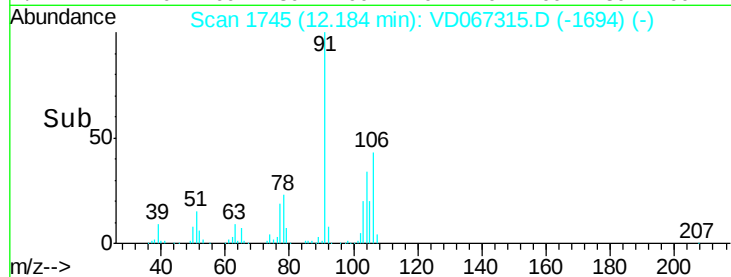
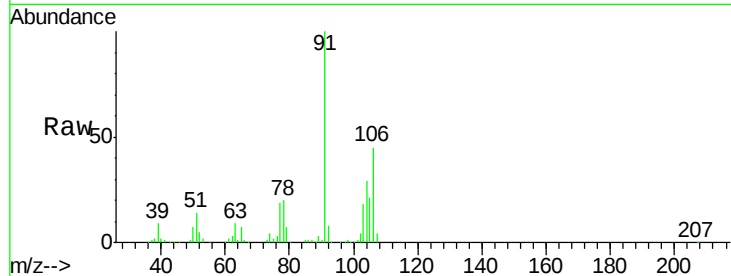
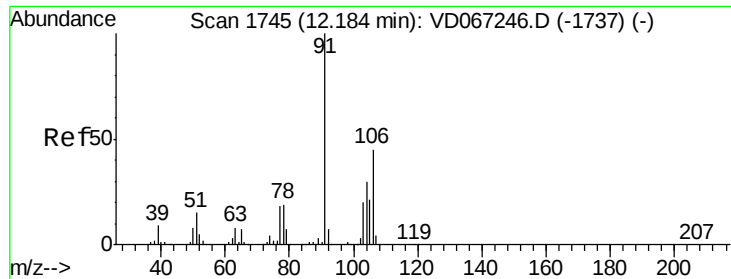
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#68
m/p-Xylenes
Concen: 43.117 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 106 Resp: 251838
Ion Ratio Lower Upper
106 100
91 204.5 163.8 245.8





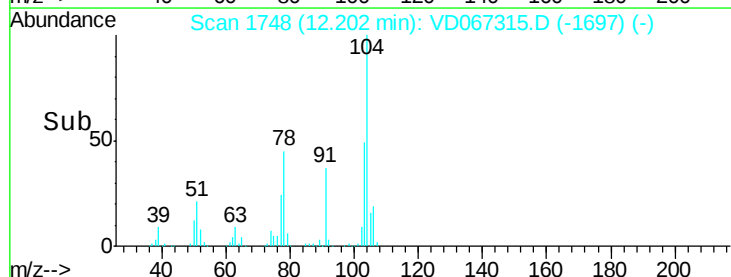
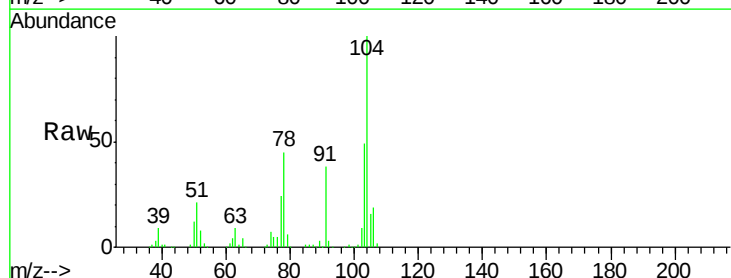
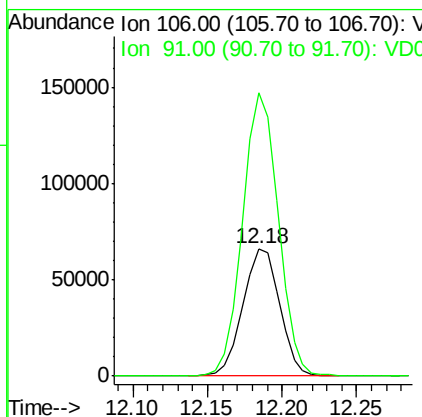
#69
o-Xylene
Concen: 20.930 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	215.4	109.1	327.3		

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

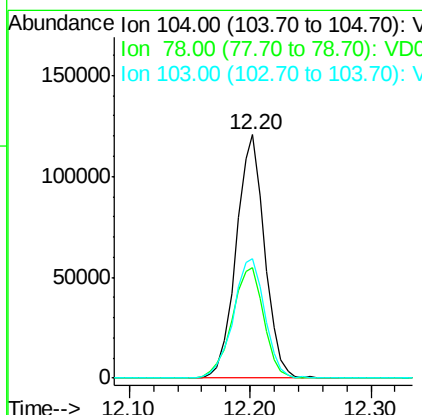
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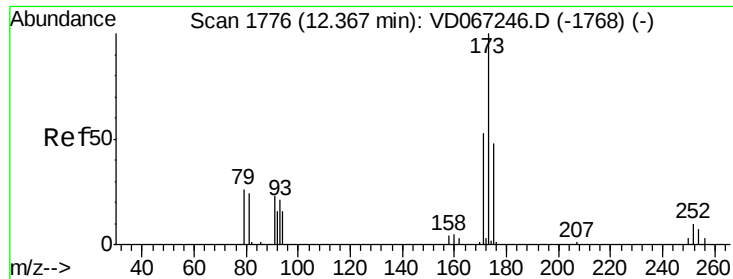
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#70
Styrene
Concen: 21.214 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	50.6	39.8	59.6		
103	54.7	42.6	64.0		





#71

Bromoform

Concen: 21.081 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

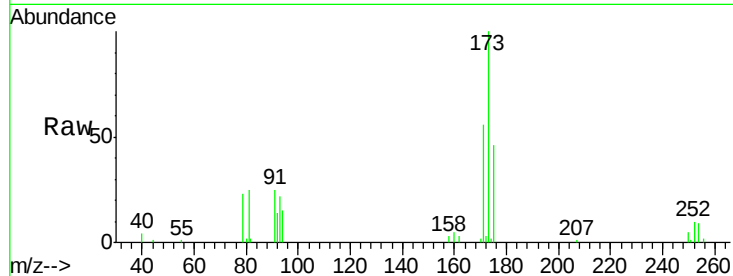
ClientSampleId :

VD1020SBS01

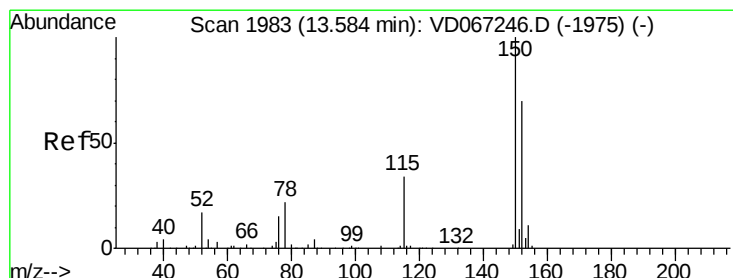
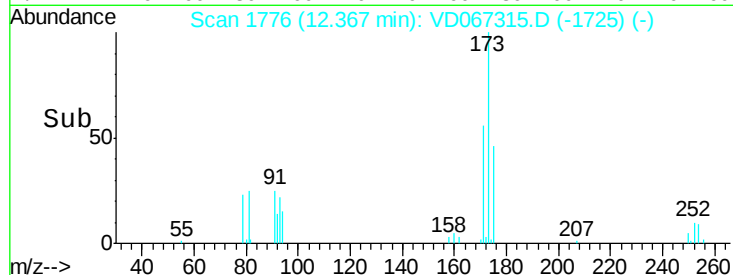
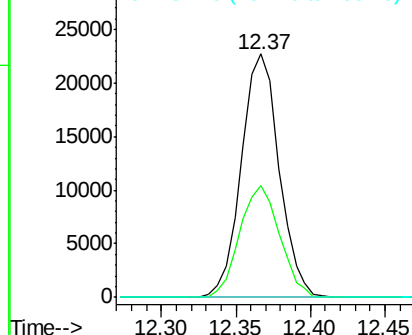
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.2	72.6
254	0.0	0.1	0.1#

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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

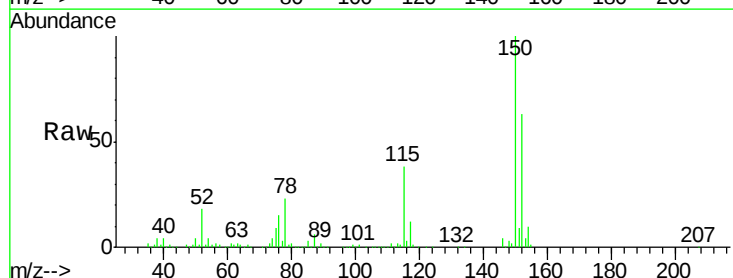
RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

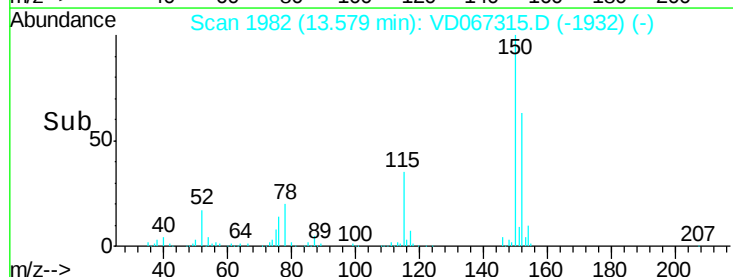
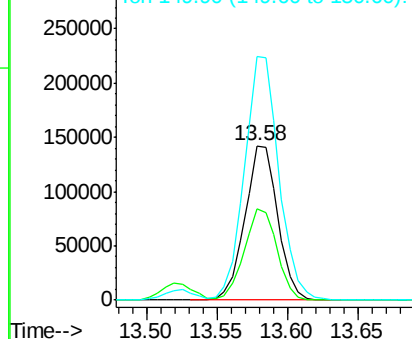
Lab File: VD067315.D

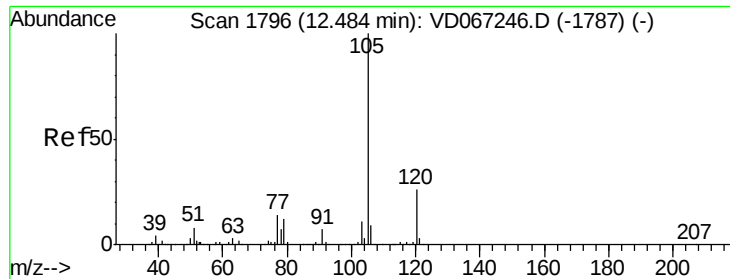
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	29.3	87.9
150	165.6	0.0	339.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.832 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion:105 Resp: 320342

Ion Ratio Lower Upper

105 100

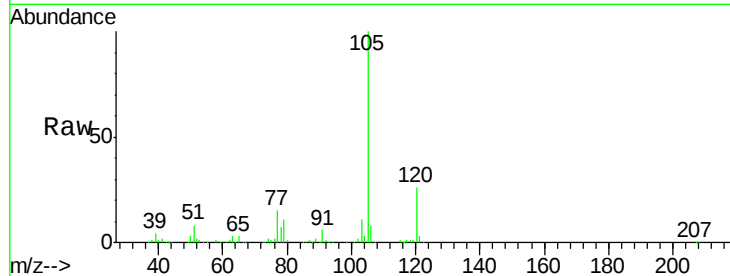
120 27.0 13.3 39.8

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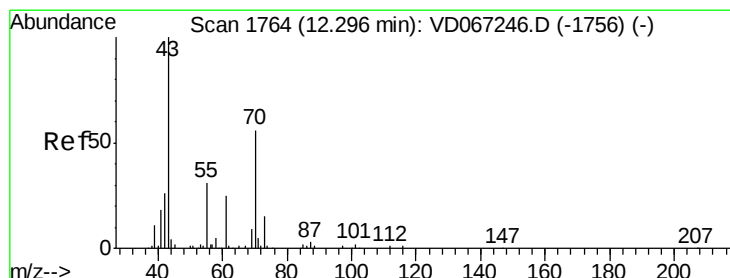
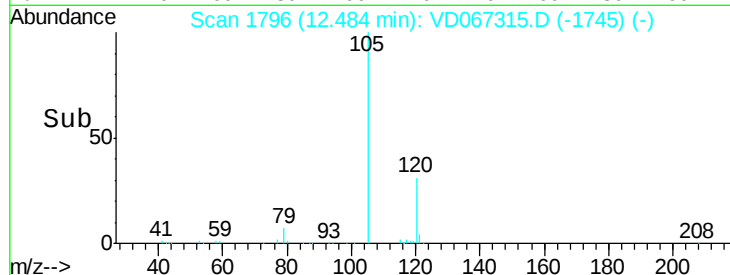
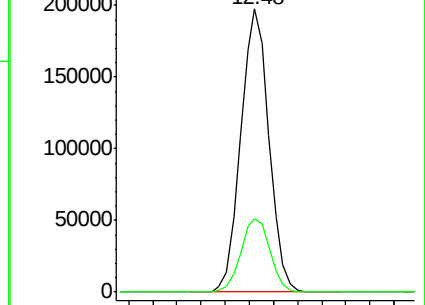
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 21.399 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion: 43 Resp: 47422

Ion Ratio Lower Upper

43 100

70 51.0 42.7 64.1

55 28.5 24.0 36.0

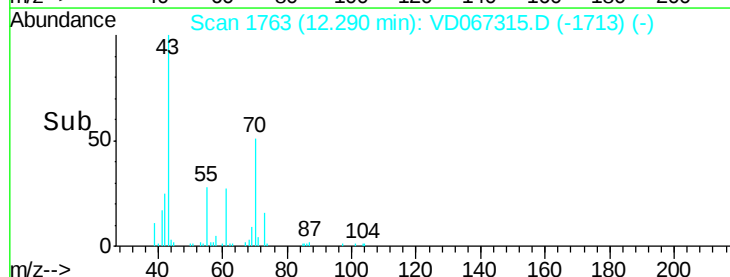
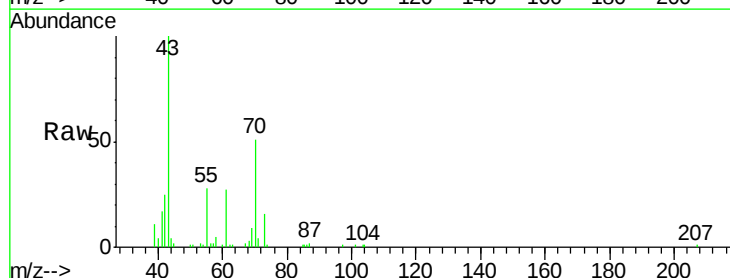
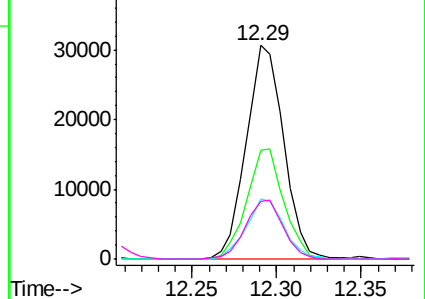
61 27.8 22.2 33.4

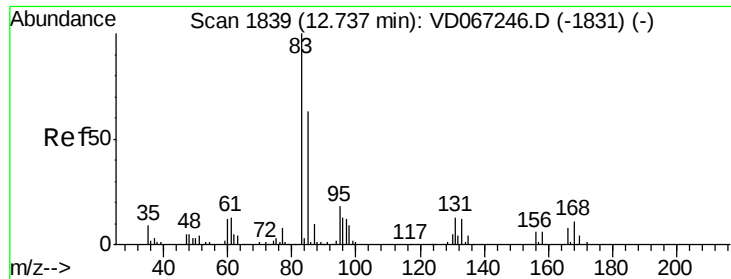
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 21.690 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

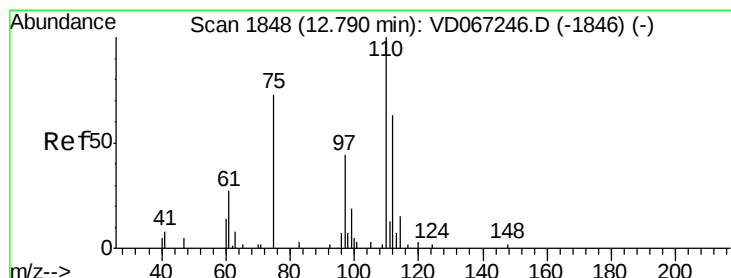
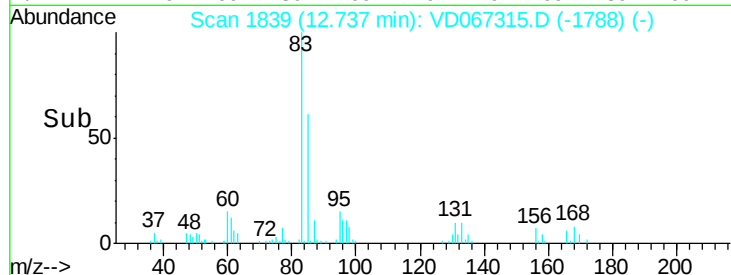
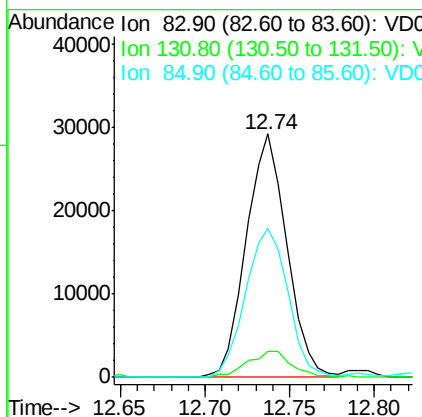
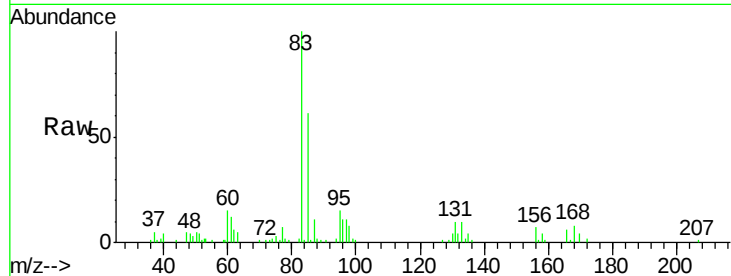
ClientSampleId :

VD1020SBS01

Tot Ion:	83	Resp:	48765
Ion Ratio	Lower	Upper	
83	100		
131	11.9	6.5	19.5
85	64.0	32.6	97.7

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#76

1,2,3-Trichloropropane

Concen: 22.347 ug/l m

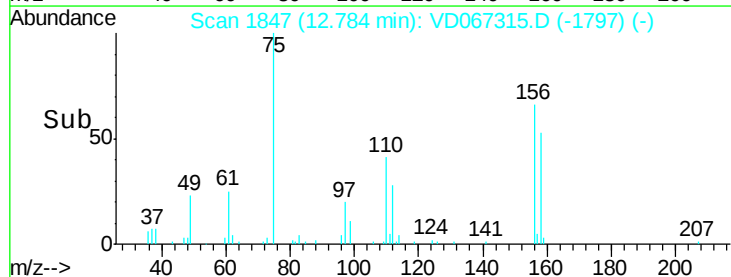
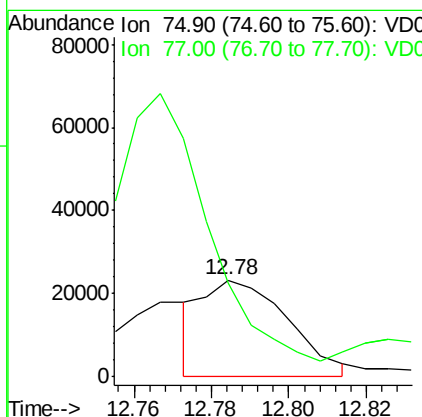
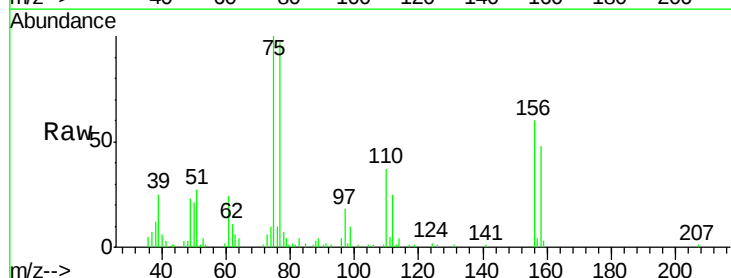
RT: 12.78 min Scan# 1847

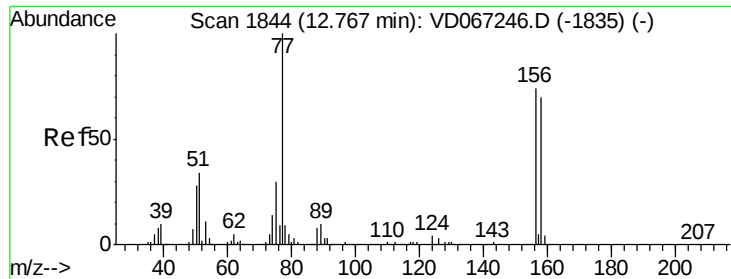
Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion:	75	Resp:	35808
Ion Ratio	Lower	Upper	
75	100		
77	351.0	0.0	0.0#





#77

Bromobenzene

Concen: 21.991 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion:156 Resp: 80445

Ion Ratio Lower Upper

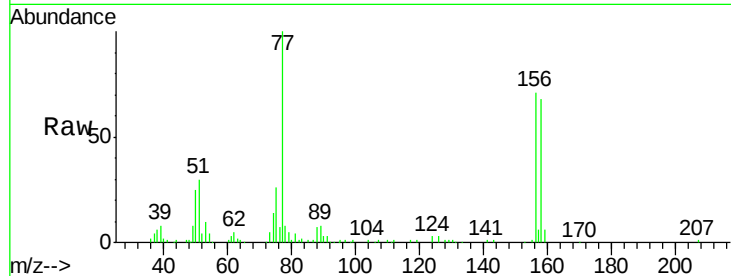
156 100

77 156.2 78.0 233.8

158 96.7 49.1 147.3

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APPROVED

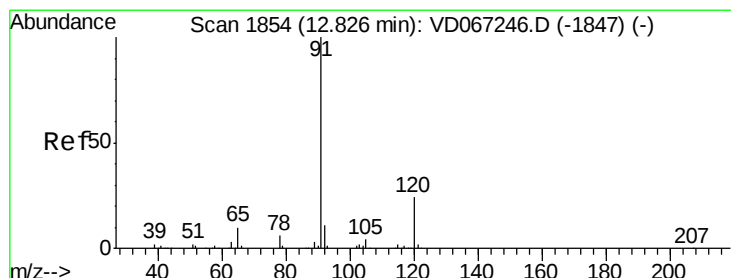
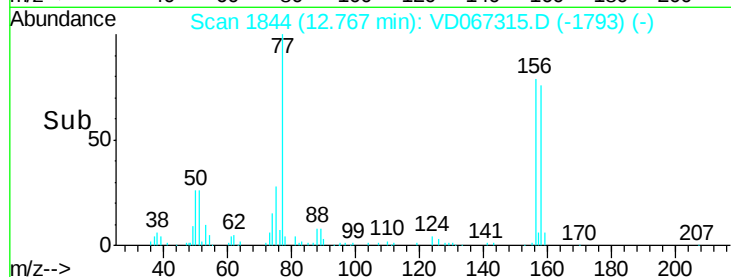
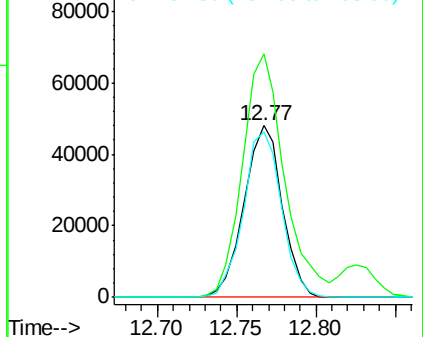
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.197 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067315.D

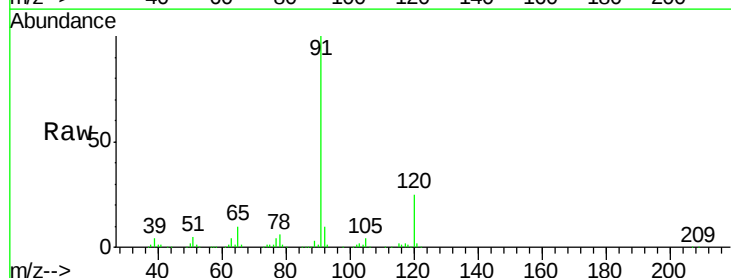
Acq: 20 Oct 2020 11:12

Tgt Ion: 91 Resp: 377369

Ion Ratio Lower Upper

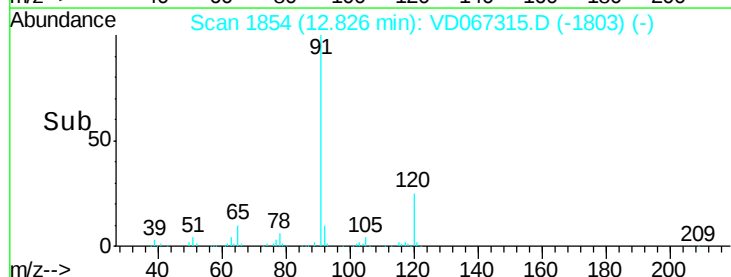
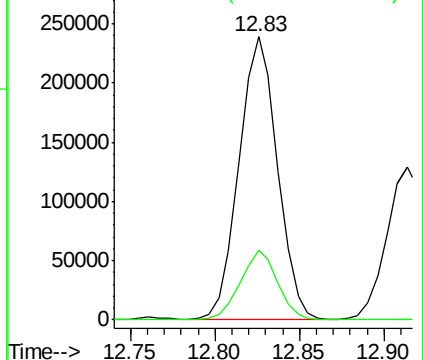
91 100

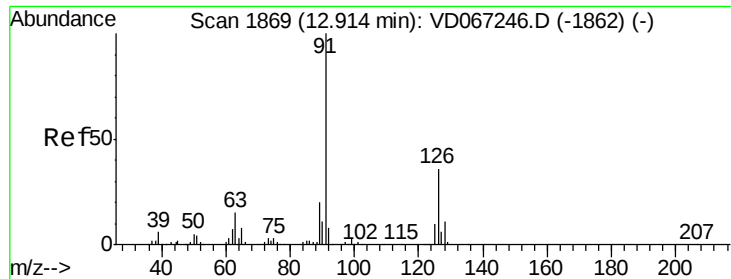
120 23.7 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





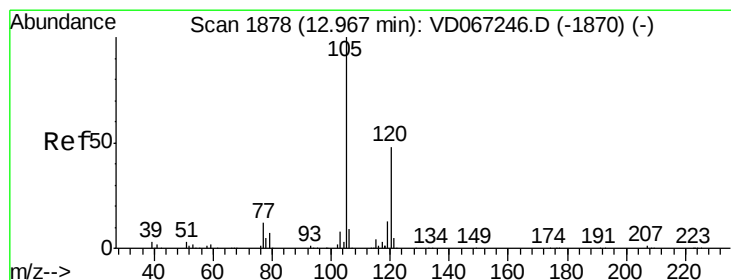
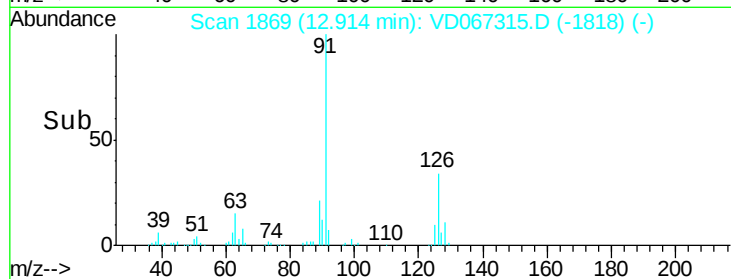
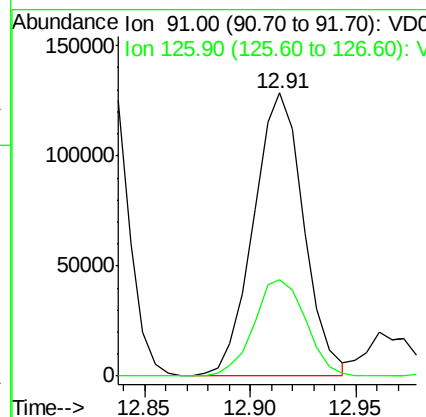
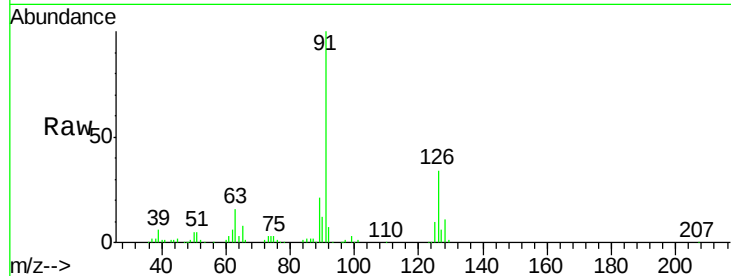
#79
2-Chlorotoluene
Concen: 21.499 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion: 91 Resp: 211955
Ion Ratio Lower Upper
91 100
126 35.3 17.6 52.8

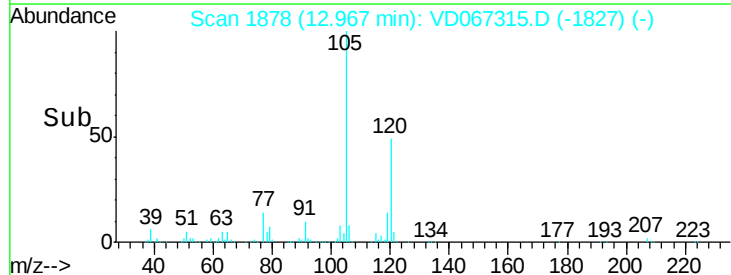
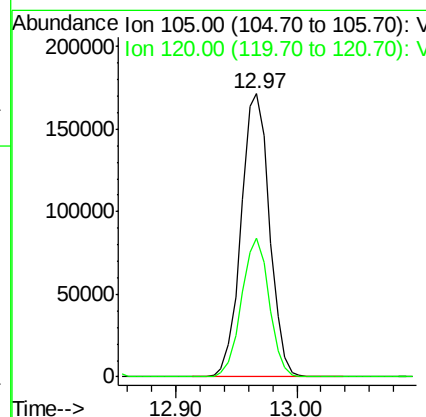
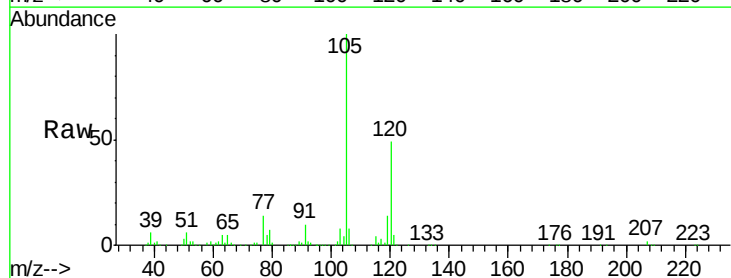
Manual Integrations
APPROVED

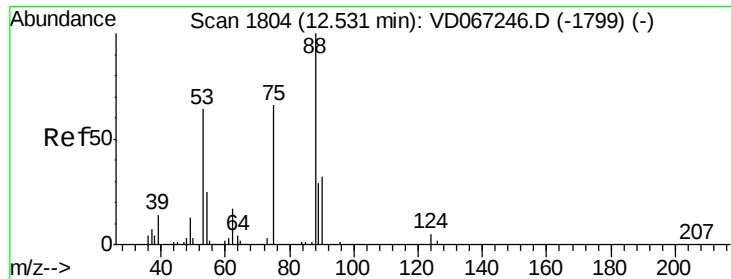
MMDadoda
10/21/2020 2:51:55 PM



#80
1,3,5-Trimethylbenzene
Concen: 22.052 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion: 105 Resp: 281179
Ion Ratio Lower Upper
105 100
120 47.7 24.3 72.8





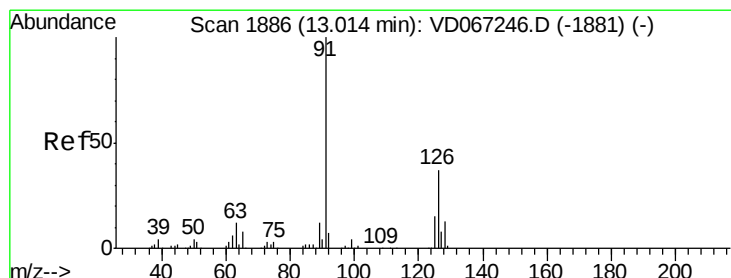
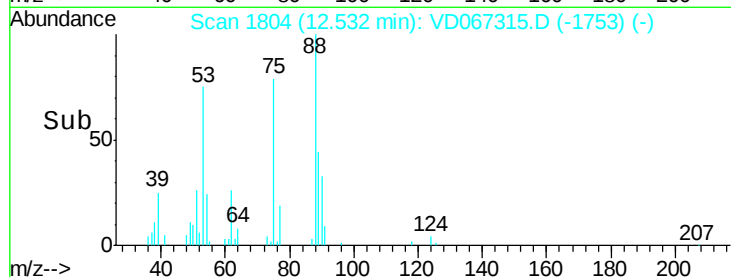
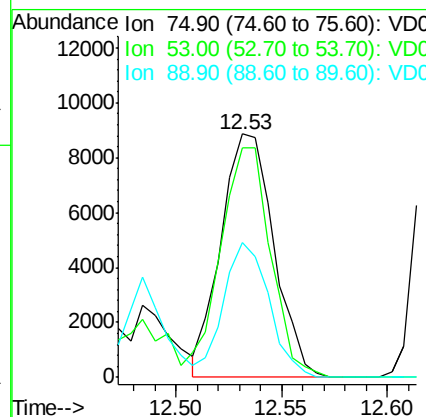
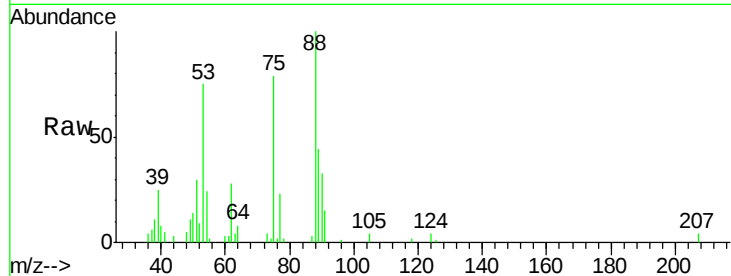
#81
trans-1,4-Dichloro-2-butene
Concen: 21.743 ug/l
RT: 12.53 min Scan# 1804
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	90.3	78.5	117.7
89	48.0	39.9	59.9

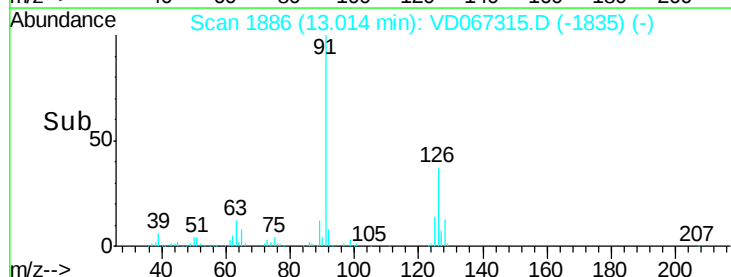
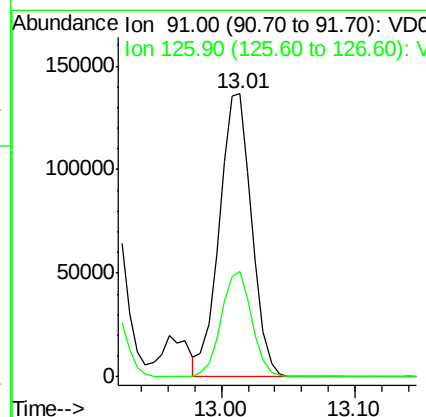
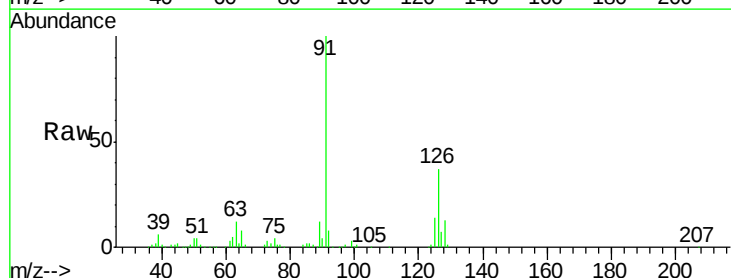
Manual Integrations
APPROVED

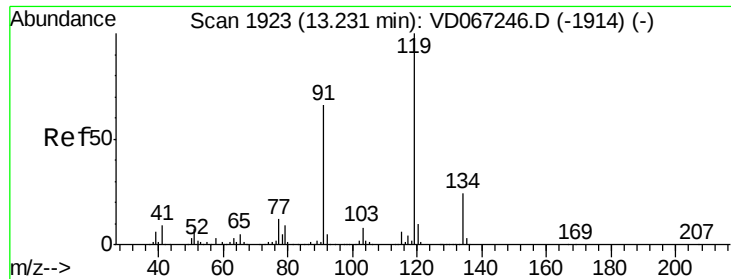
MMDadoda
10/21/2020 2:51:55 PM



#82
4-Chlorotoluene
Concen: 22.173 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.4	17.8	53.5





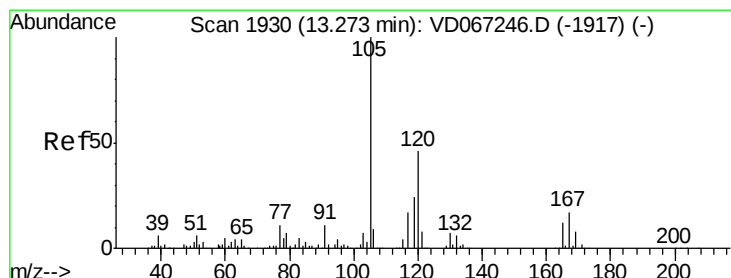
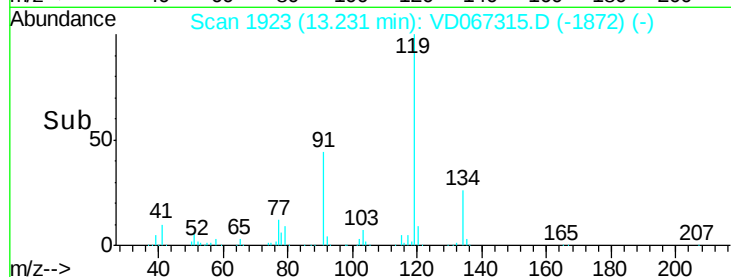
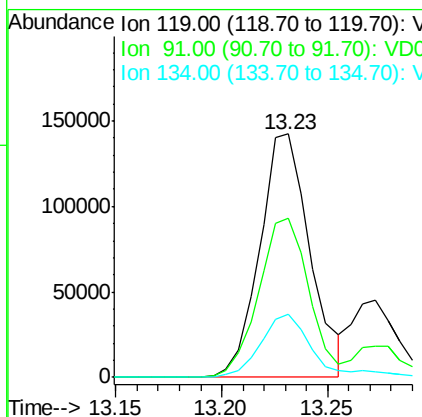
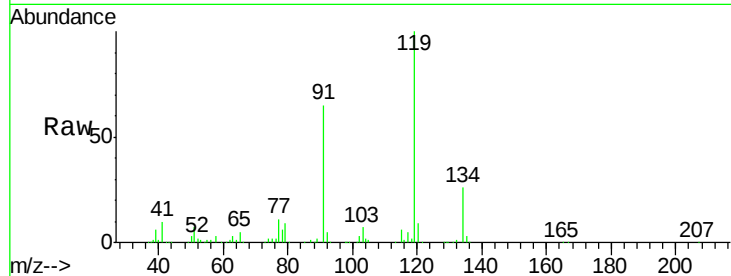
#83
tert-Butylbenzene
Concen: 21.907 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	235958		
91	65.1		33.1	99.2
134	27.0		13.3	39.9

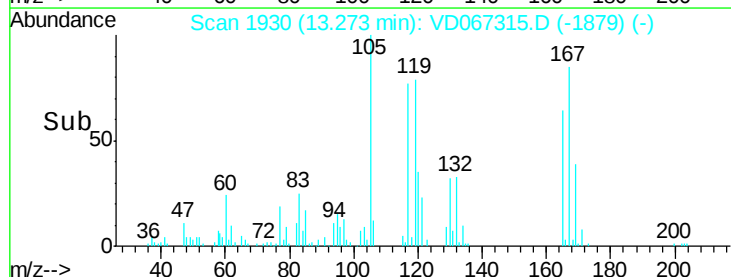
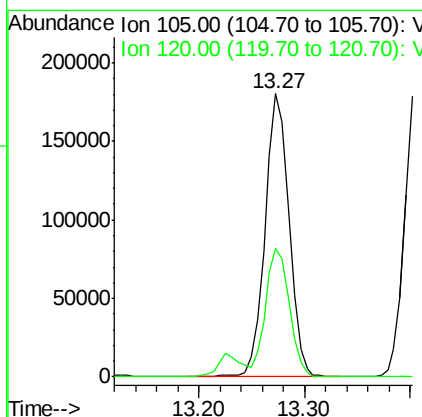
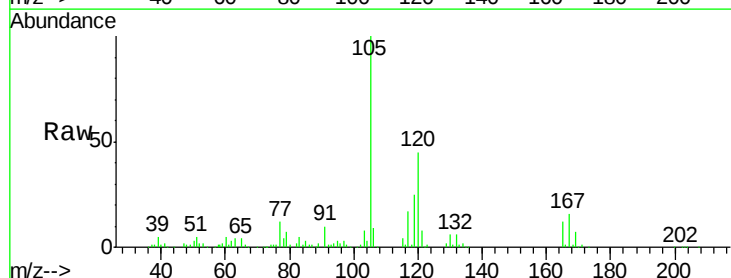
Manual Integrations
APPROVED

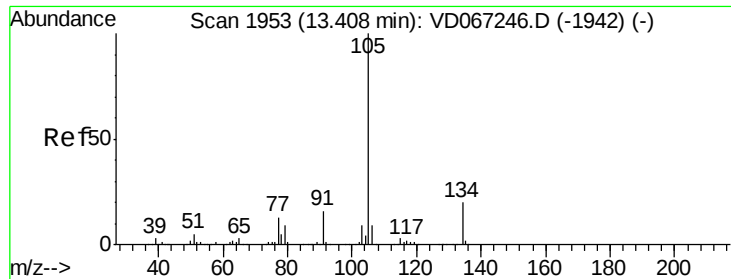
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 22.535 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	283998		
120	44.9		22.4	67.3





#85

sec-Butylbenzene

Concen: 21.962 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

ClientSampleId :

VD1020SBS01

Tot Ion:105 Resp: 324572

Ion Ratio Lower Upper

105 100

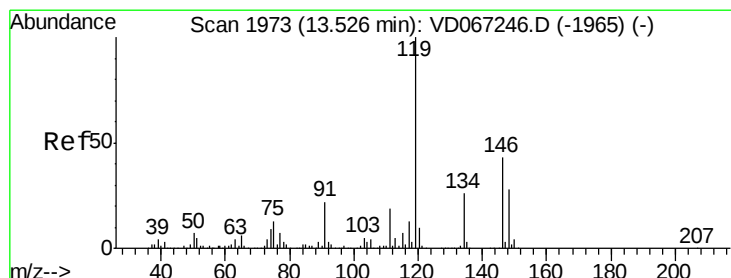
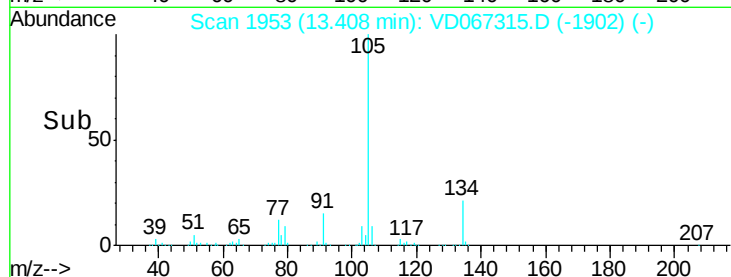
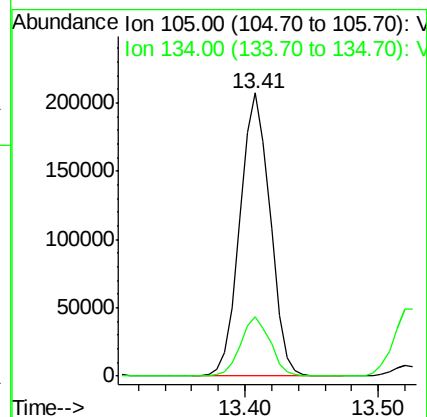
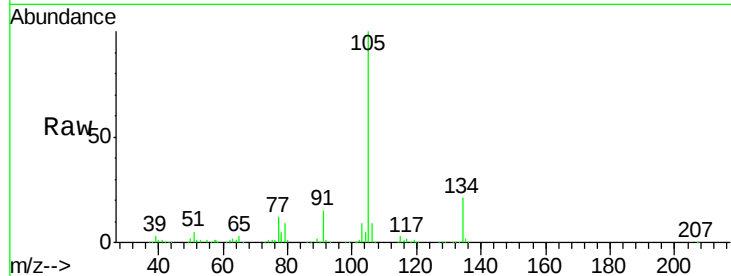
134 20.4 10.5 31.5

Manual Integrations

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#86

p-Isopropyltoluene

Concen: 22.110 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

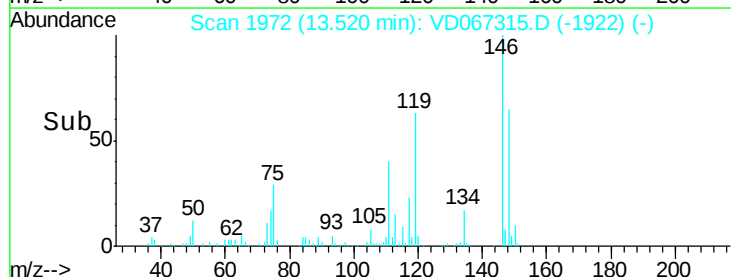
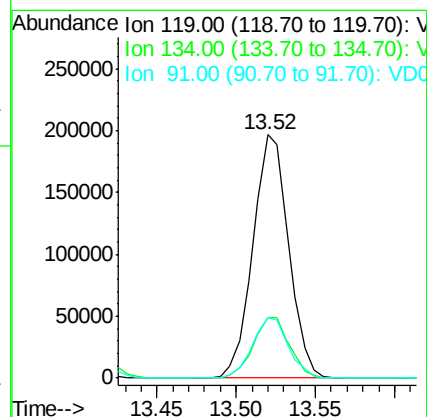
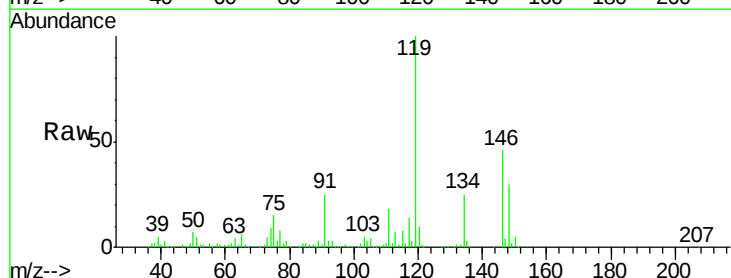
Tgt Ion:119 Resp: 308425

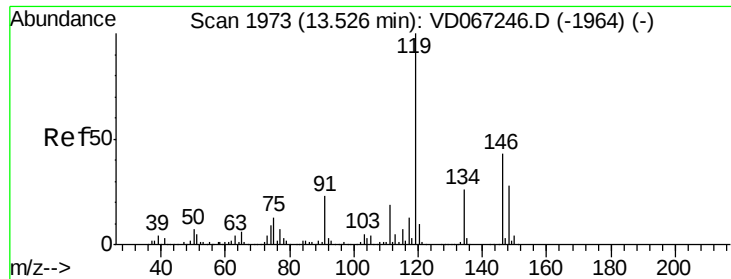
Ion Ratio Lower Upper

119 100

134 25.3 13.1 39.3

91 25.1 11.9 35.9





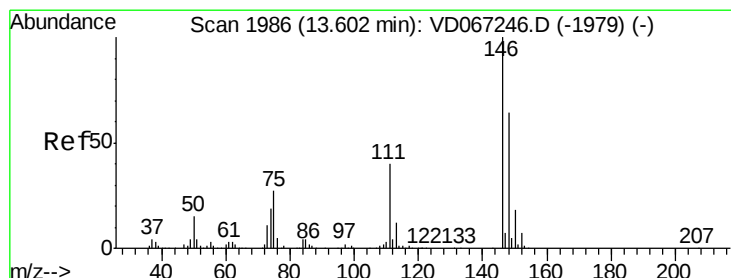
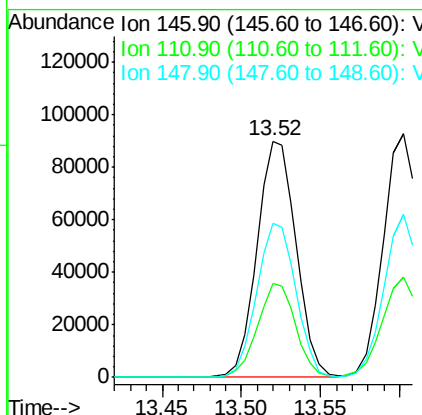
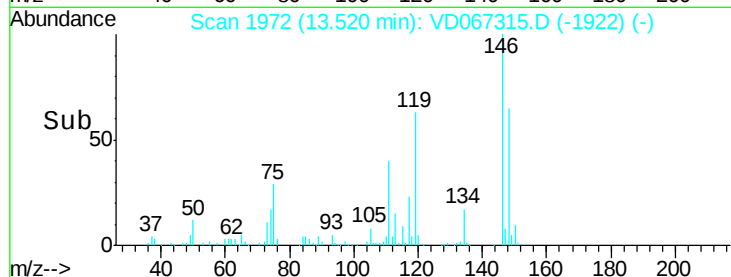
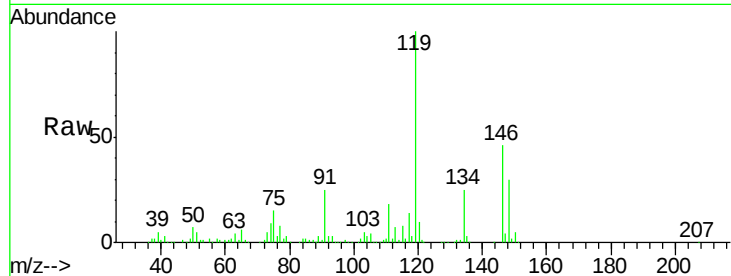
#87
 1,3-Dichlorobenzene
 Concen: 21.895 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	154161		
111	39.0	21.1	63.3	
148	65.3	31.9	95.9	

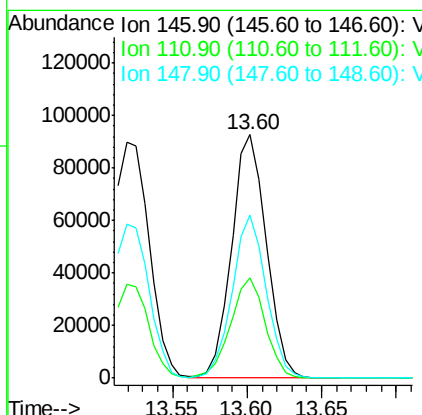
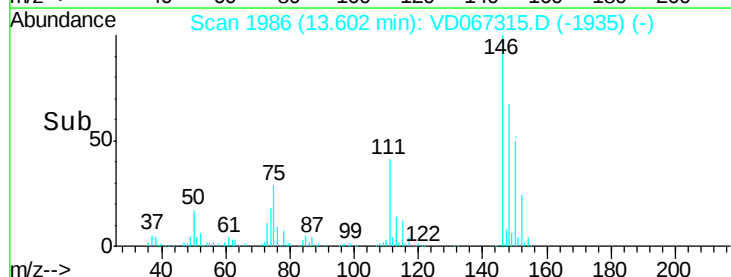
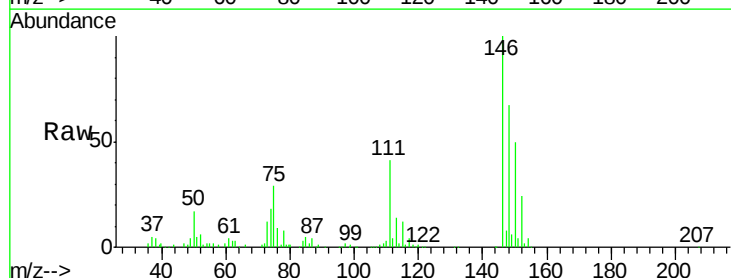
Manual Integrations
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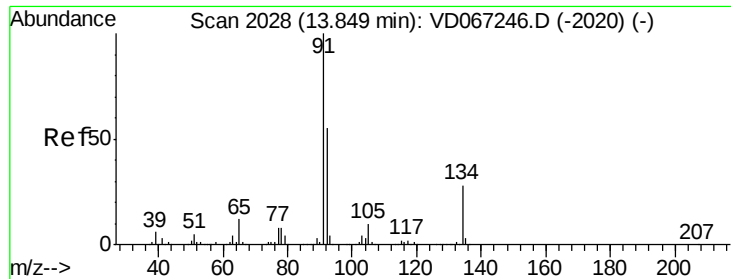
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#88
 1,4-Dichlorobenzene
 Concen: 21.553 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	150353		
111	41.4	19.9	59.7	
148	65.6	31.9	95.9	





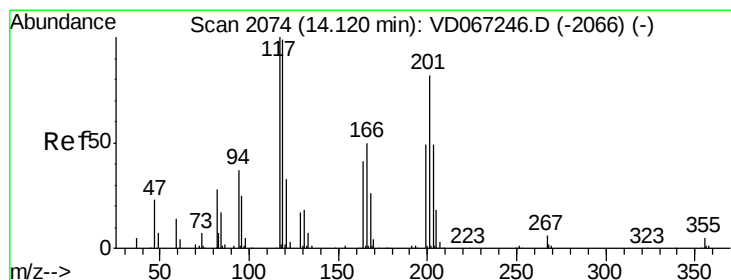
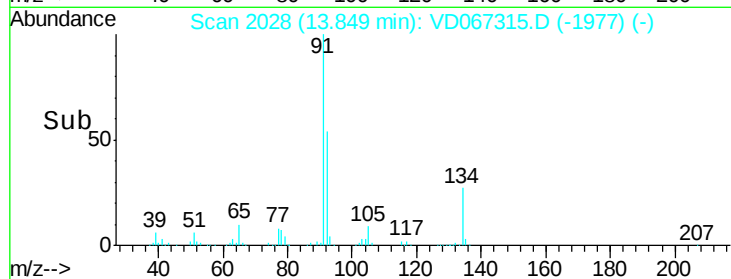
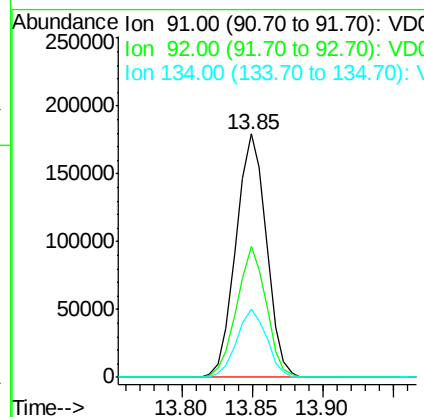
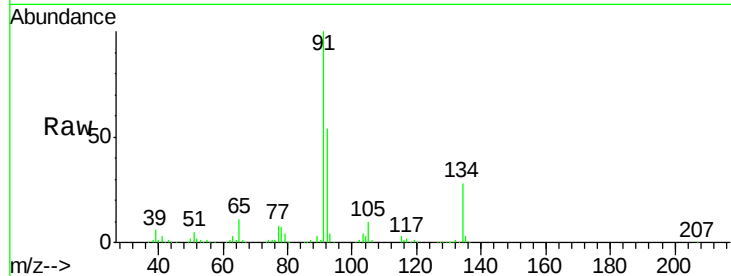
#89
n-Butylbenzene
Concen: 21.990 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Instrument :
MSVOA_D
ClientSampleId :
VD1020SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	269859		
92	52.1		26.7	80.0
134	27.6		14.2	42.6

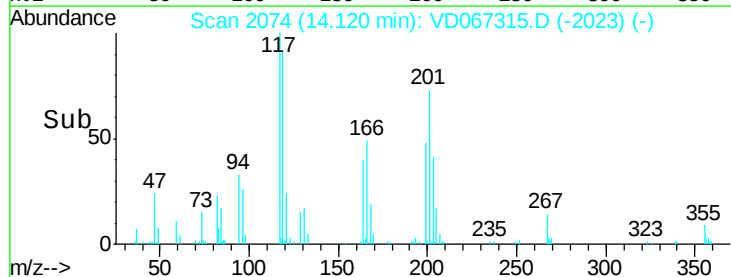
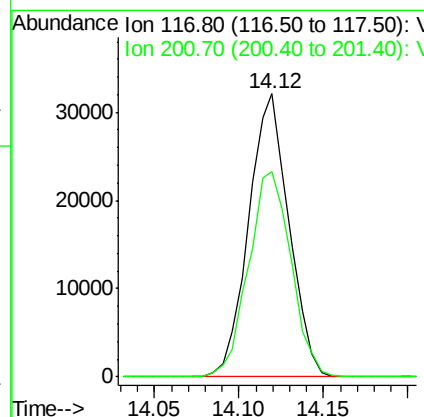
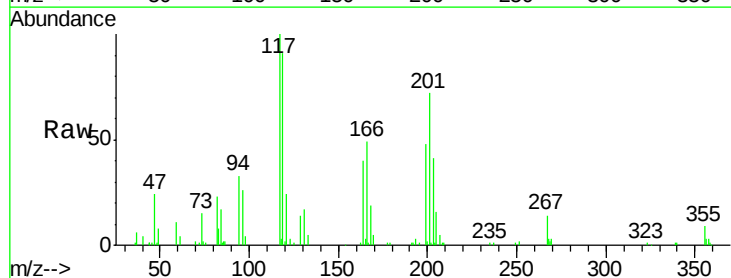
Manual Integrations
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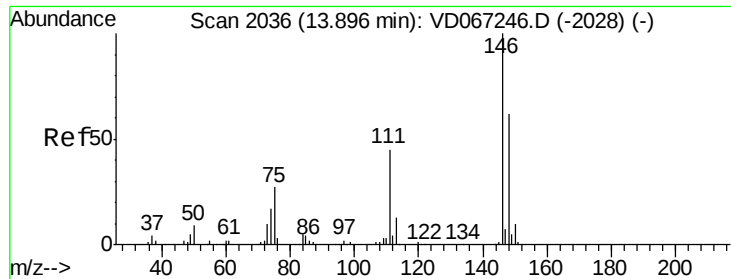
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#90
Hexachloroethane
Concen: 21.813 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067315.D
Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	53098		
201	76.7		40.8	122.2





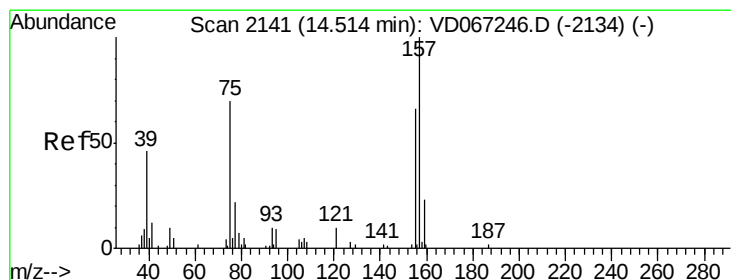
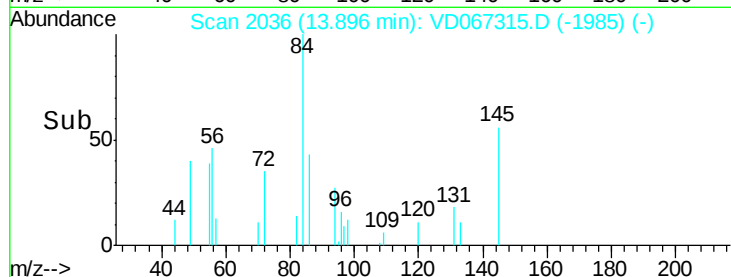
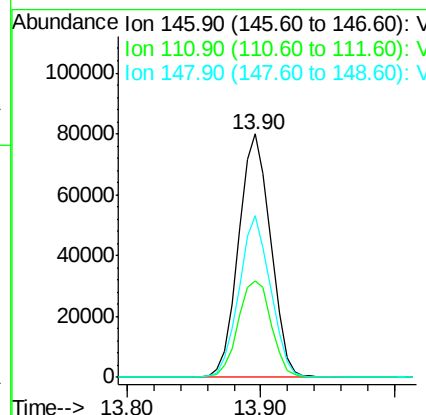
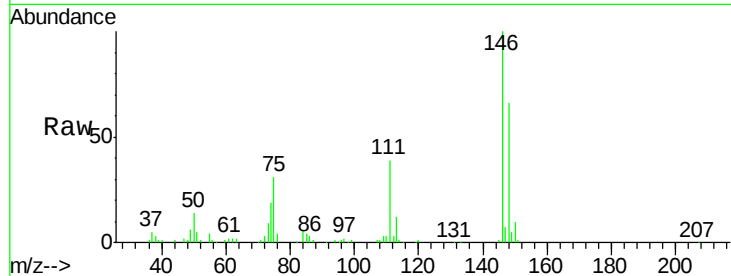
#91
 1,2-Dichlorobenzene
 Concen: 21.606 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.9	22.0	66.0
148	65.2	32.5	97.5

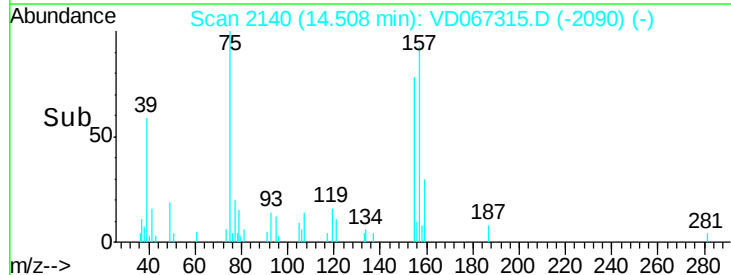
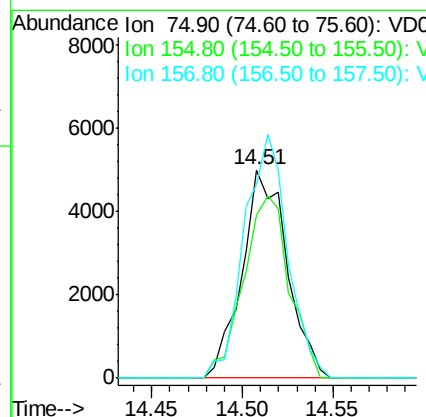
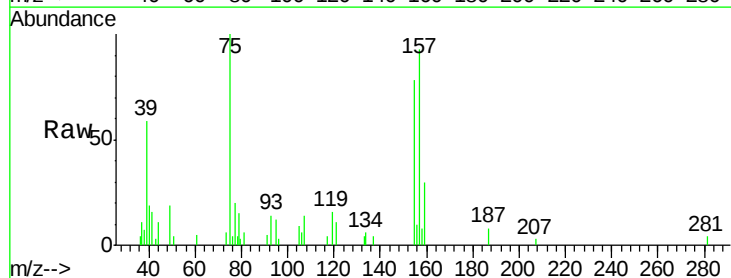
Manual Integrations
 APPROVED

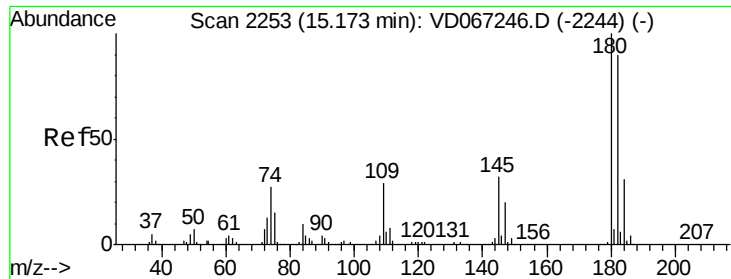
MMDadoda
 10/21/2020 2:51:55 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.146 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	89.1	44.8	134.4
157	112.4	62.5	187.4





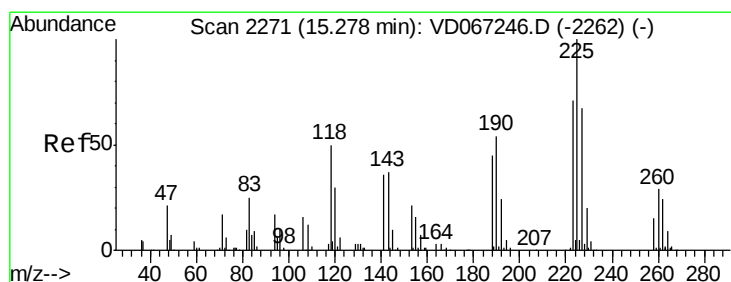
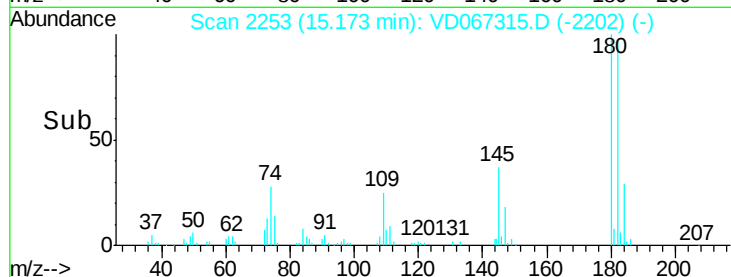
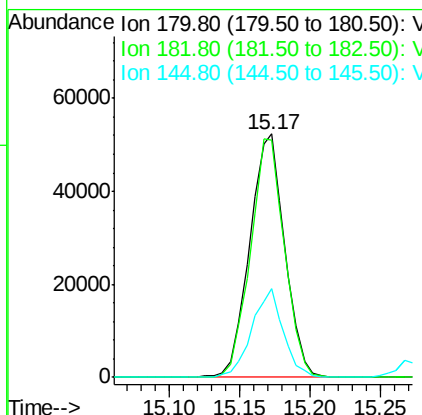
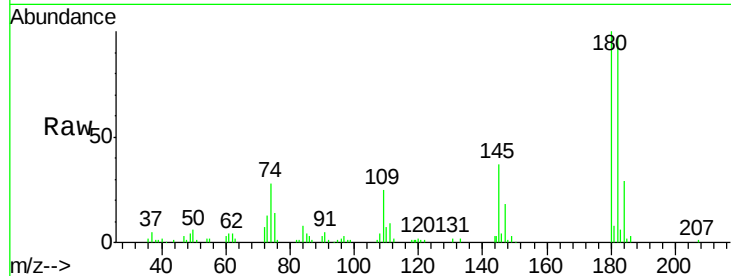
#93
 1,2,4-Trichlorobenzene
 Concen: 21.981 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1020SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	48.1	144.4
145	32.8	16.3	48.9

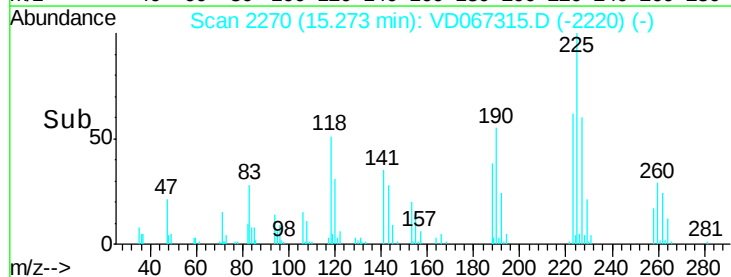
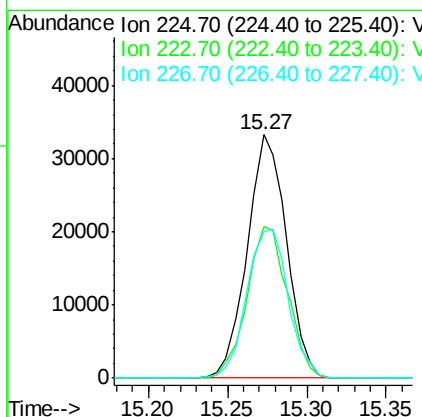
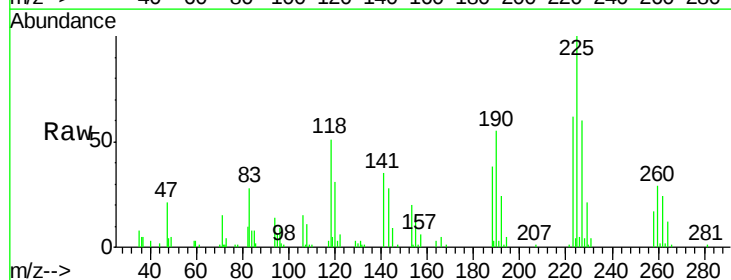
Manual Integrations
 APPROVED

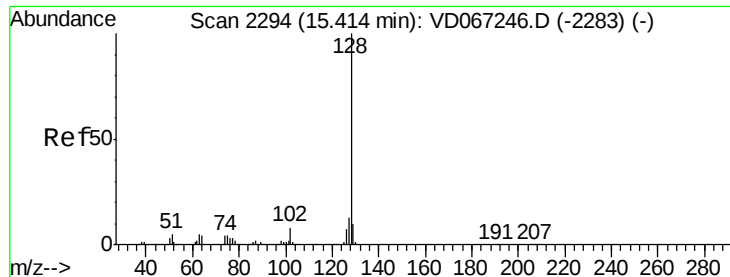
MMDadoda
 10/21/2020 2:51:55 PM



#94
 Hexachlorobutadiene
 Concen: 22.206 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.01 min
 Lab File: VD067315.D
 Acq: 20 Oct 2020 11:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.7
227	64.8	31.2	93.6





#95

Naphthalene

Concen: 20.422 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Instrument :

MSVOA_D

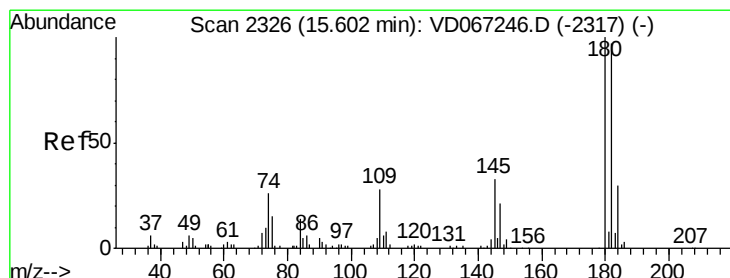
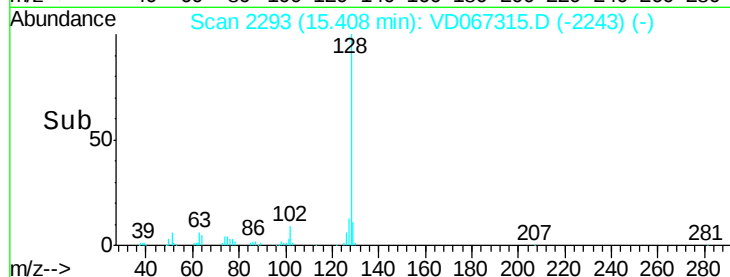
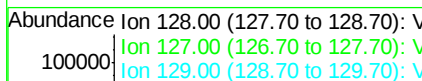
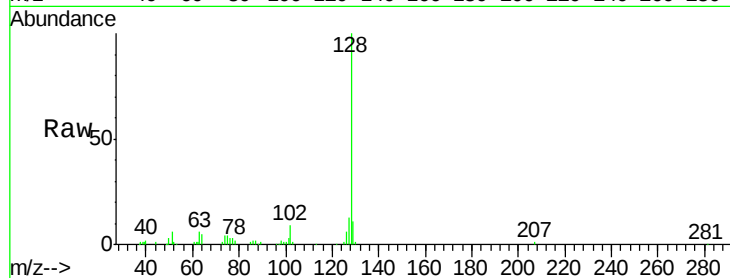
ClientSampleId :

VD1020SBS01

Tot Ion:	128	Resp:	139053
Ion Ratio	Lower	Upper	
128	100		
127	12.7	10.4	15.6
129	10.7	8.6	12.8

Manual Integrations
APPROVED

MMDadoda
10/21/2020 2:51:55 PM



#96

1,2,3-Trichlorobenzene

Concen: 21.827 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.01 min

Lab File: VD067315.D

Acq: 20 Oct 2020 11:12

Tgt Ion:	180	Resp:	78203
Ion Ratio	Lower	Upper	
180	100		
182	95.1	48.1	144.3
145	35.0	17.3	51.9

