

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065388.D
 Acq On : 03 Mar 2020 12:15
 Operator : VA/SY
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

Manual Integrations
 APPROVED

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 3/4/2020 2:01:26 PM

Quant Time: Mar 04 06:13:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	423519	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	650641	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	589689	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	288420	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	206682	54.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.50%	
35) Dibromofluoromethane	7.92	113	221038	55.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.44%	
50) Toluene-d8	10.34	98	824579	54.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.74%	
62) 4-Bromofluorobenzene	12.64	95	258627	53.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.66%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.99	85	14870	4.186	ug/l 100
3) Chloromethane	2.21	50	16088	3.558	ug/l 91
4) Vinyl Chloride	2.35	62	15432	3.357	ug/l 94
5) Bromomethane	2.78	94	11479	4.129	ug/l 99
6) Chloroethane	2.92	64	10245	3.651	ug/l # 87
7) Trichlorofluoromethane	3.27	101	25490	3.873	ug/l 98
8) Diethyl Ether	3.70	74	6757	3.401	ug/l 98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	15682	3.773	ug/l 92
10) Methyl Iodide	4.29	142	12240	2.836	ug/l 96
11) Tert butyl alcohol	5.23	59	3397m	14.921	ug/l
12) 1,1-Dichloroethene	4.06	96	14751	3.757	ug/l 99
13) Acrolein	3.93	56	3977	11.734	ug/l 99
14) Allyl chloride	4.71	41	19748	3.097	ug/l 92
15) Acrylonitrile	5.44	53	11270	12.812	ug/l 94
16) Acetone	4.17	43	14147	15.190	ug/l 97
17) Carbon Disulfide	4.40	76	47297	3.593	ug/l 99
18) Methyl Acetate	4.73	43	10073	4.809	ug/l 94
19) Methyl tert-butyl Ether	5.49	73	22350	2.729	ug/l 100
20) Methylene Chloride	4.96	84	25178	5.326	ug/l 86
21) trans-1,2-Dichloroethene	5.47	96	15589	3.492	ug/l 84
22) Diisopropyl ether	6.36	45	30689	2.497	ug/l 97
23) Vinyl Acetate	6.31	43	52411	7.734	ug/l 98
24) 1,1-Dichloroethane	6.26	63	26636	3.493	ug/l 97
25) 2-Butanone	7.23	43	15367	13.041	ug/l 90
26) 2,2-Dichloropropane	7.21	77	21068	3.185	ug/l 95
27) cis-1,2-Dichloroethene	7.21	96	15181	3.211	ug/l 94
28) Bromochloromethane	7.54	49	10027	3.545	ug/l # 98
29) Tetrahydrofuran	7.57	42	8342	12.082	ug/l 93
30) Chloroform	7.71	83	28083	3.656	ug/l 99
31) Cyclohexane	7.99	56	29448	3.931	ug/l # 69
32) 1,1,1-Trichloroethane	7.91	97	24892	3.622	ug/l 97
36) 1,1-Dichloropropene	8.11	75	18453	2.915	ug/l 99
37) Ethyl Acetate	7.30	43	6999	2.645	ug/l # 79
38) Carbon Tetrachloride	8.10	117	22795	3.537	ug/l 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.35	83	23143	3.109	ug/l	97
40) Benzene	8.36	78	58827	3.292	ug/l	96
41) Methacrylonitrile	7.53	41	3880	2.539	ug/l #	62
42) 1,2-Dichloroethane	8.43	62	16298	3.318	ug/l	99
43) Isopropyl Acetate	8.46	43	11554	2.401	ug/l	93
44) Trichloroethene	9.11	130	17479	3.529	ug/l	93
45) 1,2-Dichloropropane	9.39	63	14917	3.357	ug/l	97
46) Dibromomethane	9.48	93	7113	3.111	ug/l	91
47) Bromodichloromethane	9.67	83	19508	3.238	ug/l	94
48) Methyl methacrylate	9.46	41	4980	2.239	ug/l	89
49) 1,4-Dioxane	9.47	88	1123	41.882	ug/l #	87
51) 4-Methyl-2-Pentanone	10.23	43	28797	11.781	ug/l	93
52) Toluene	10.40	92	38178	3.452	ug/l	96
53) t-1,3-Dichloropropene	10.63	75	16620	2.976	ug/l	93
54) cis-1,3-Dichloropropene	10.09	75	19385	2.875	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	10583	3.289	ug/l	91
56) Ethyl methacrylate	10.66	69	8363	2.252	ug/l	97
57) 1,3-Dichloropropane	10.95	76	15016	2.742	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	17893	15.281	ug/l	96
59) 2-Hexanone	10.99	43	19079	10.903	ug/l	99
60) Dibromochloromethane	11.14	129	13208	3.207	ug/l	96
61) 1,2-Dibromoethane	11.26	107	9302	3.053	ug/l	96
64) Tetrachloroethene	10.88	164	16094	3.848	ug/l	95
65) Chlorobenzene	11.67	112	40606	3.431	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	12991	2.942	ug/l	96
67) Ethyl Benzene	11.75	91	62713	3.026	ug/l	100
68) m/p-Xylenes	11.86	106	43416	5.475	ug/l	98
69) o-Xylene	12.18	106	18832	2.681	ug/l	90
70) Styrene	12.20	104	32633	2.616	ug/l	96
71) Bromoform	12.37	173	8017	3.272	ug/l #	97
73) Isopropylbenzene	12.48	105	52943	2.773	ug/l	99
74) N-amyl acetate	12.30	43	9080	2.140	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	11968	3.473	ug/l	95
76) 1,2,3-Trichloropropane	12.79	75	8958m	3.650	ug/l	
77) Bromobenzene	12.77	156	14835	3.129	ug/l	98
78) n-propylbenzene	12.83	91	64520	2.812	ug/l	98
79) 2-Chlorotoluene	12.91	91	34311	2.669	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	45481	2.892	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.54	75	2803m	2.466	ug/l	
82) 4-Chlorotoluene	13.01	91	36381	2.666	ug/l	100
83) tert-Butylbenzene	13.23	119	32942	2.499	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	41927	2.663	ug/l	97
85) sec-Butylbenzene	13.41	105	48690	2.564	ug/l	98
86) p-Isopropyltoluene	13.53	119	41388	2.383	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	30323	3.308	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	31868	3.523	ug/l	91
89) n-Butylbenzene	13.86	91	43250	2.702	ug/l	95
90) Hexachloroethane	14.12	117	11063	3.137	ug/l	92
91) 1,2-Dichlorobenzene	13.90	146	26708	3.393	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	1702	3.205	ug/l	94

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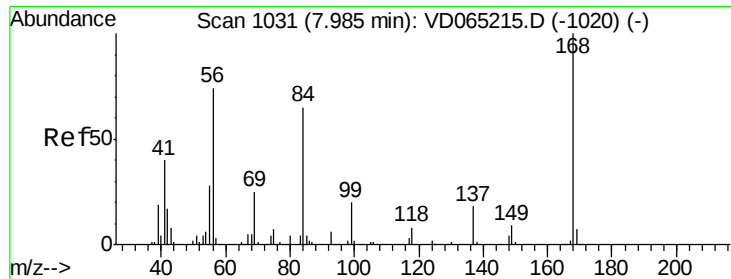
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	16230	3.152	ug/l	96
94) Hexachlorobutadiene	15.28	225	10381	3.143	ug/l	97
95) Naphthalene	15.41	128	21771	2.601	ug/l	98
96) 1,2,3-Trichlorobenzene	15.61	180	15872	3.530	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampled :

VD0304

Tot Ion:168 Resp: 423519

Ion Ratio Lower Upper

168 100

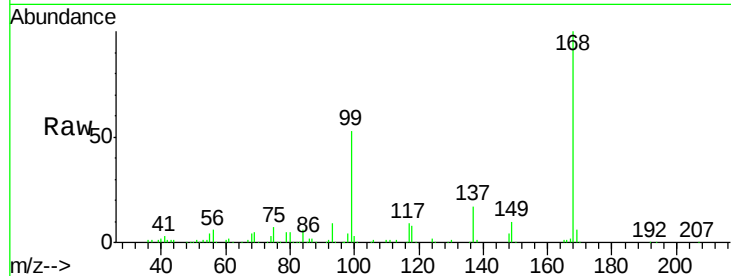
99 52.9 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

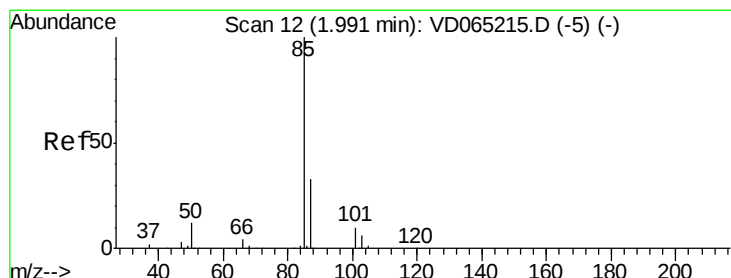
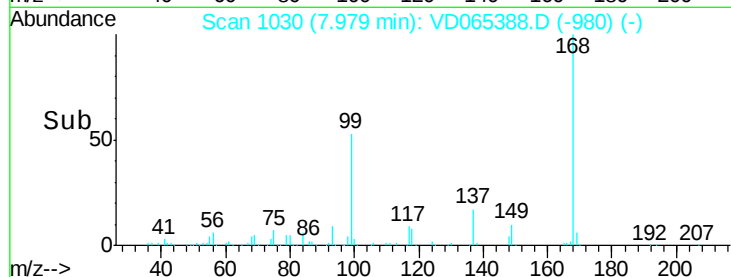
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 4.186 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065388.D

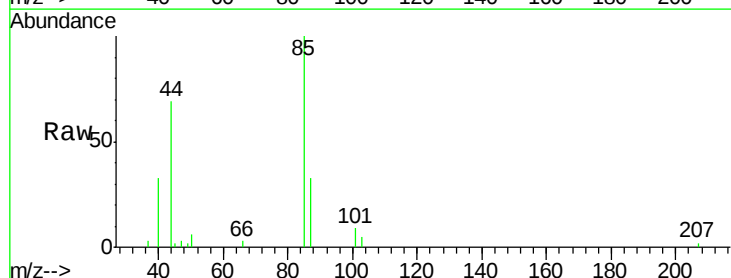
Acq: 03 Mar 2020 12:15

Tgt Ion: 85 Resp: 14870

Ion Ratio Lower Upper

85 100

87 32.6 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

12000

10000

8000

6000

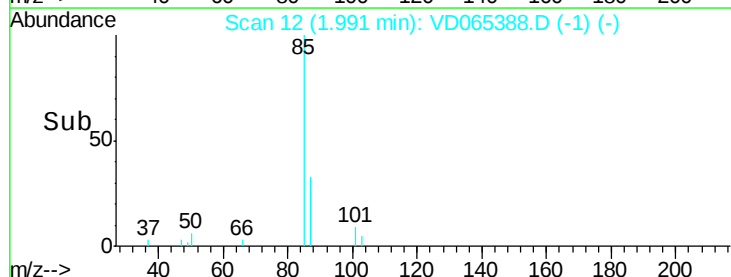
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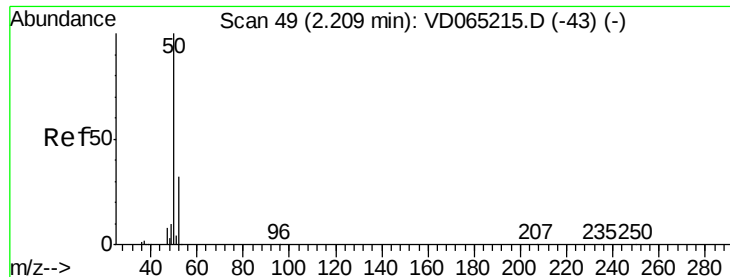
2000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 3.558 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0304

Tot Ion: 50 Resp: 16088

Ion Ratio Lower Upper

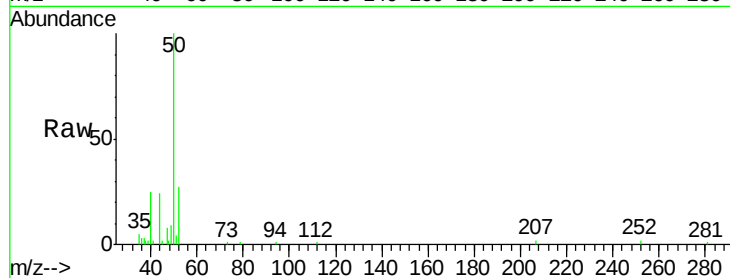
50 100

52 26.7 25.5 38.3

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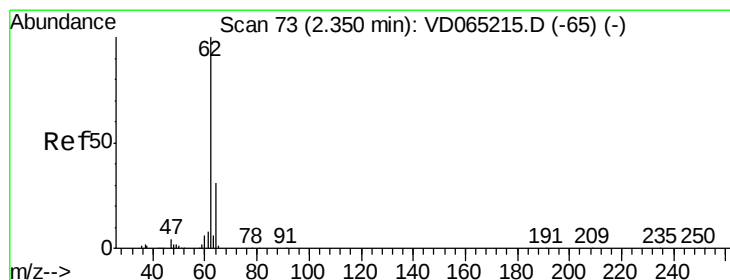
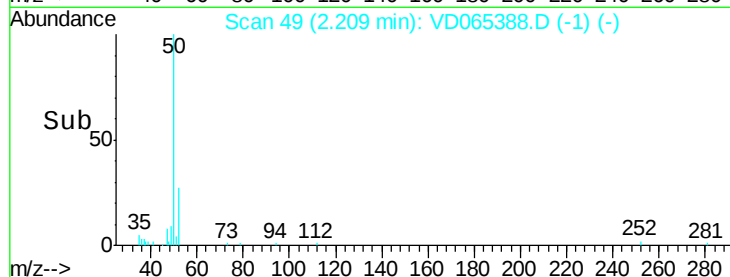
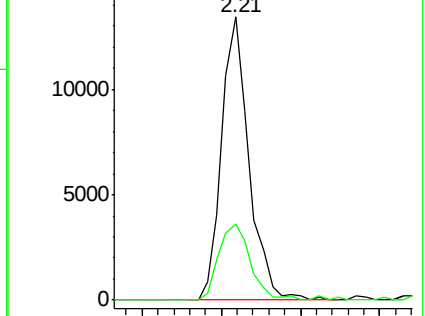
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 3.357 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065388.D

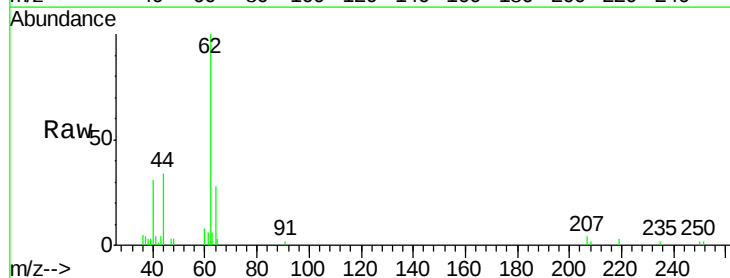
Acq: 03 Mar 2020 12:15

Tgt Ion: 62 Resp: 15432

Ion Ratio Lower Upper

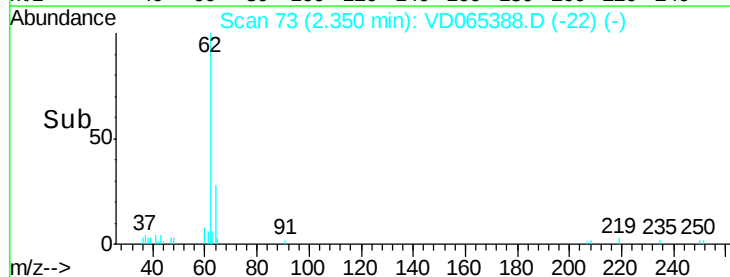
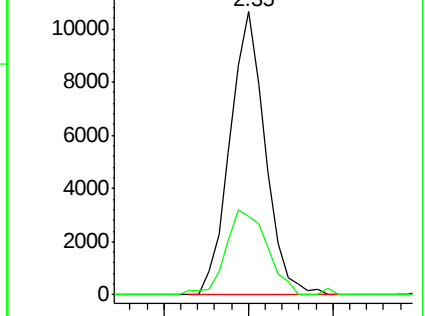
62 100

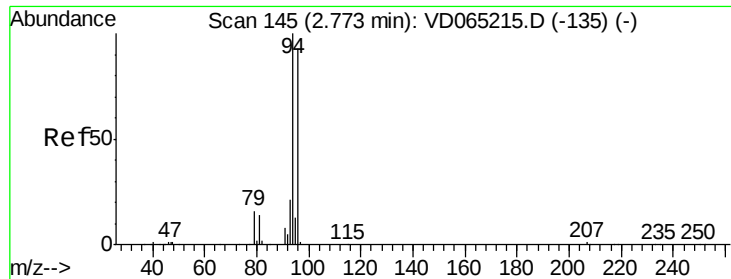
64 27.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 4.129 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0304

Tot Ion: 94 Resp: 11479

Ion Ratio Lower Upper

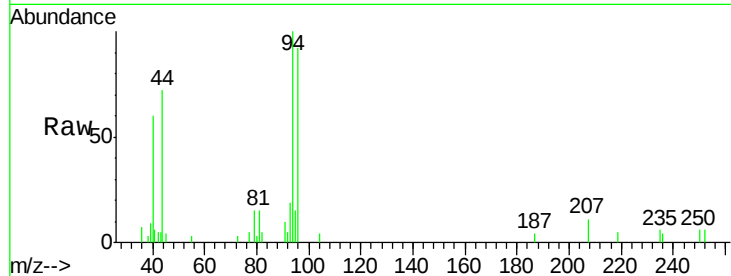
94 100

96 92.2 74.2 111.4

Manual Integrations
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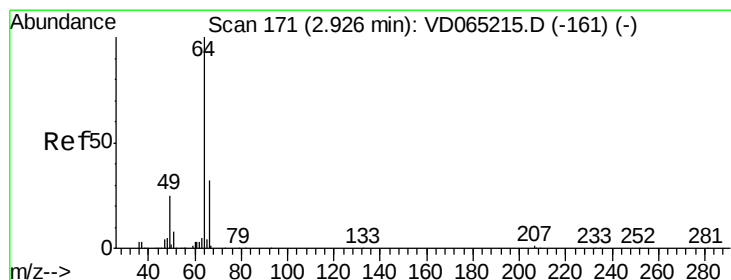
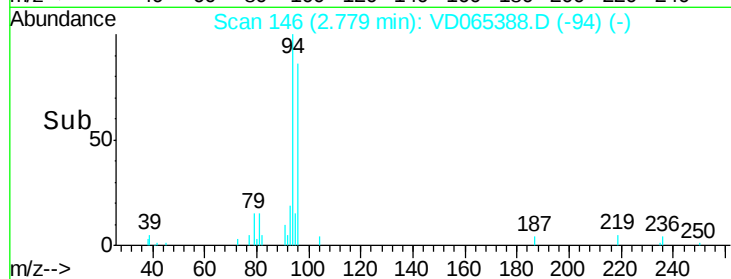
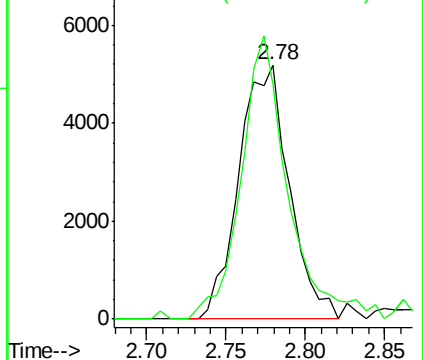
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 3.651 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065388.D

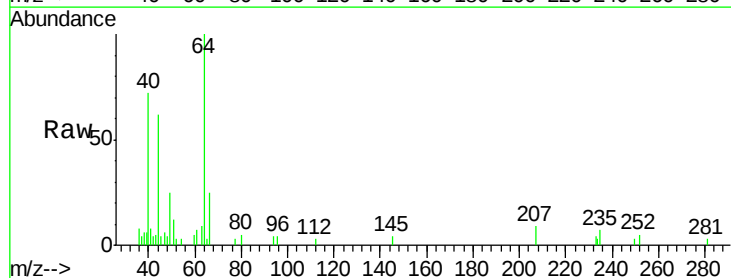
Acq: 03 Mar 2020 12:15

Tgt Ion: 64 Resp: 10245

Ion Ratio Lower Upper

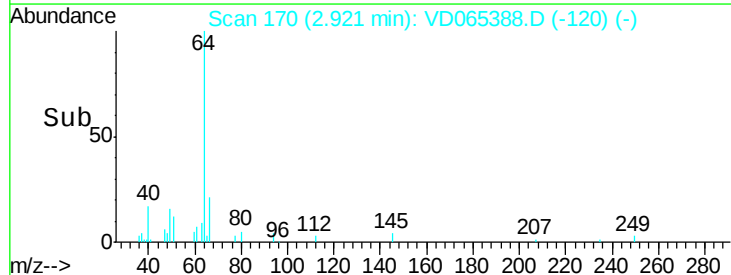
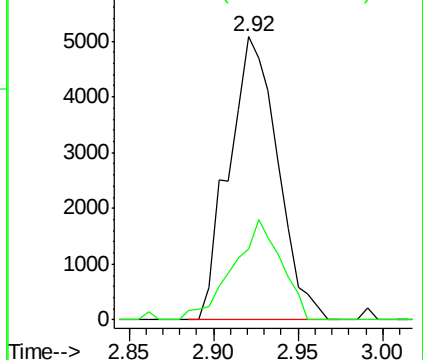
64 100

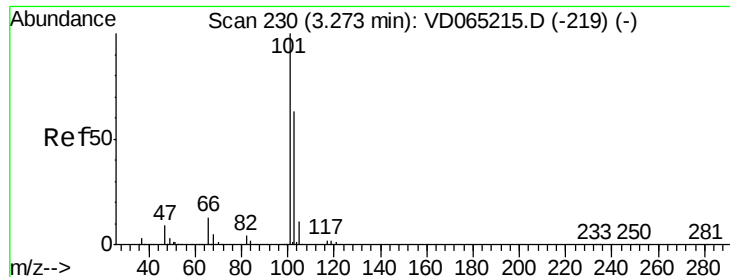
66 25.1 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

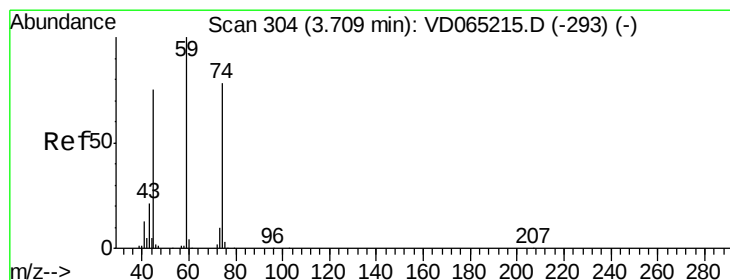
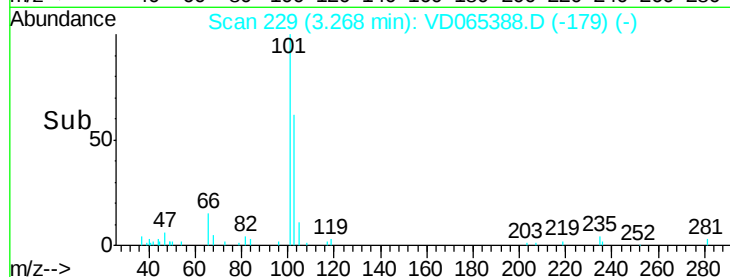
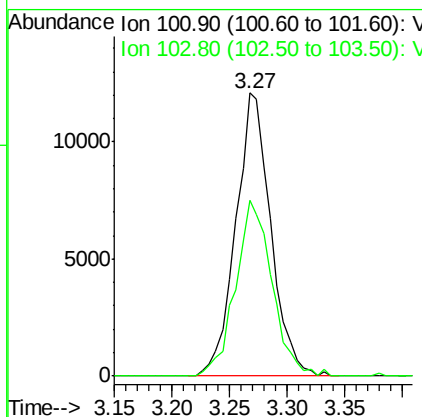
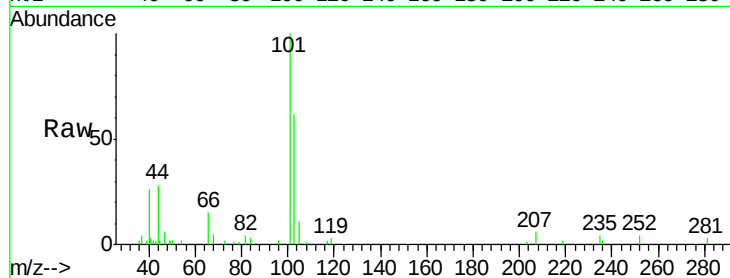
Trichlorofluoromethane
Concen: 3.873 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065388.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	50.7	76.1

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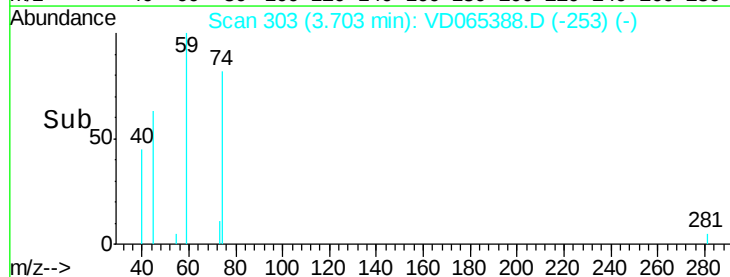
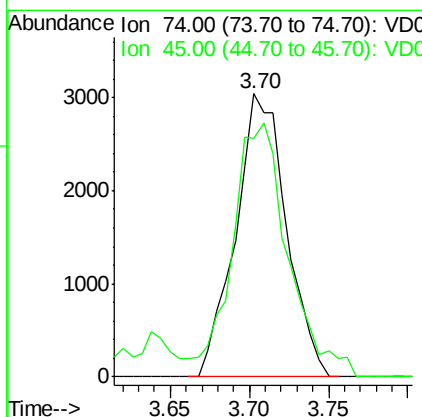
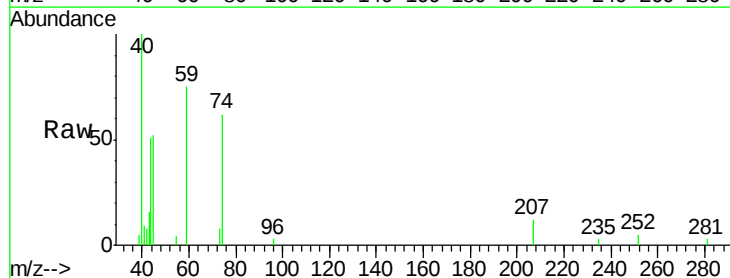
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#8

Diethyl Ether
Concen: 3.401 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.4	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.773 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

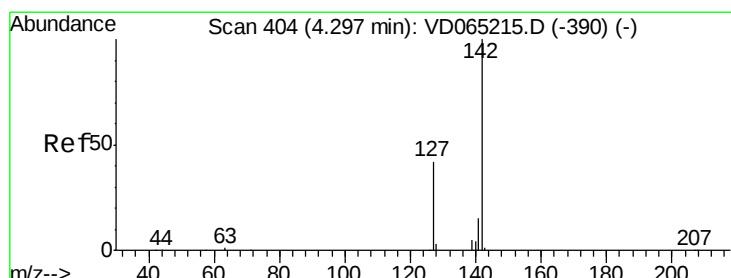
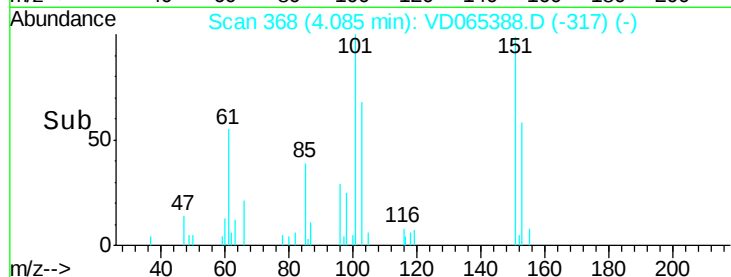
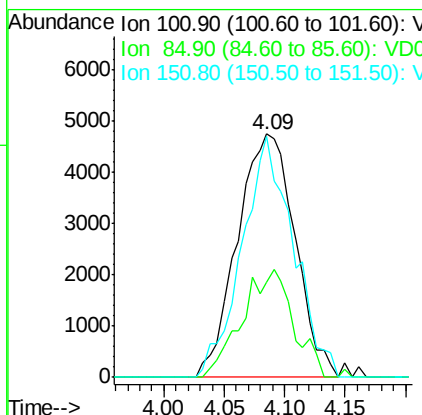
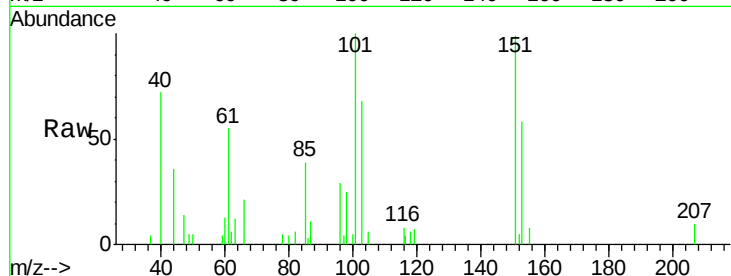
ClientSampleId :

VD0304

Tot Ion:	101	Resp:	15682
Ion Ratio	Lower	Upper	
101	100		
85	39.4	34.2	51.2
151	88.4	63.5	95.3

Manual Integrations
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3/4/2020 2:01:26 PM



#10

Methyl Iodide

Concen: 2.836 ug/l

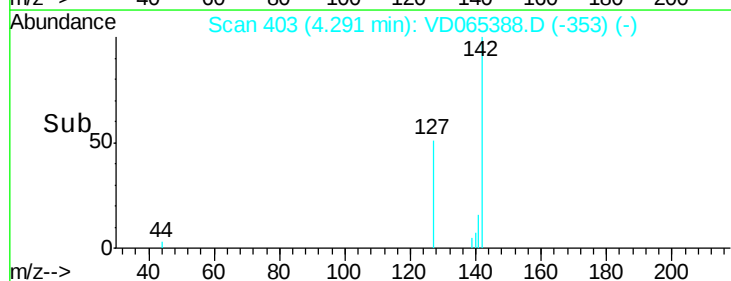
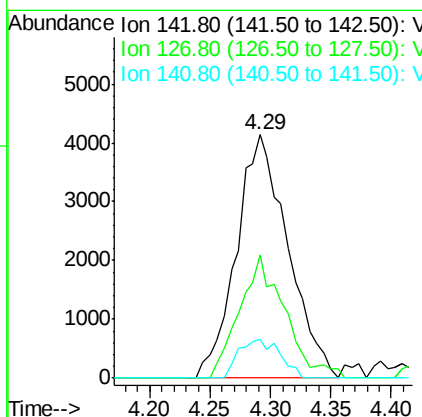
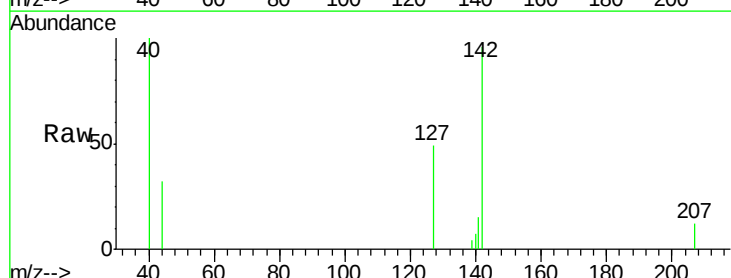
RT: 4.29 min Scan# 403

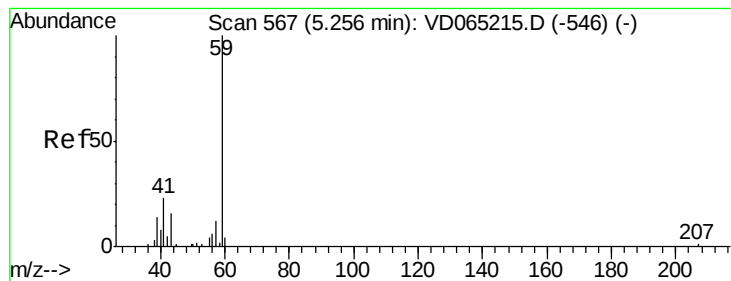
Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:	142	Resp:	12240
Ion Ratio	Lower	Upper	
142	100		
127	44.5	33.8	50.8
141	12.7	11.7	17.5





#11

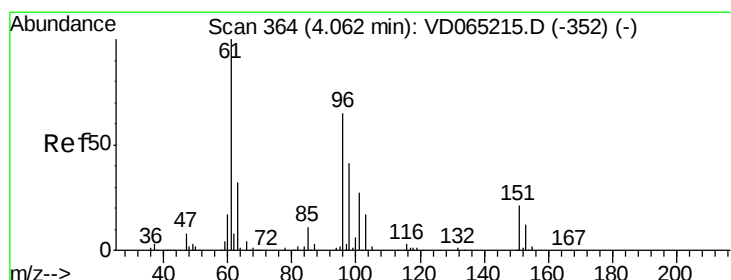
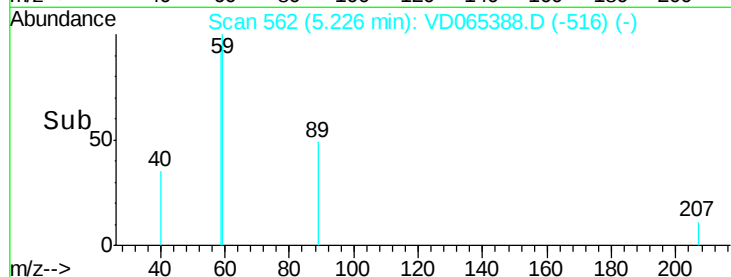
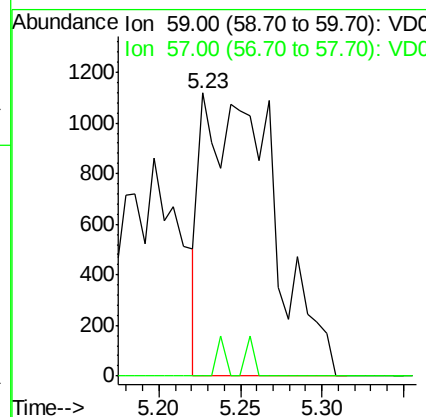
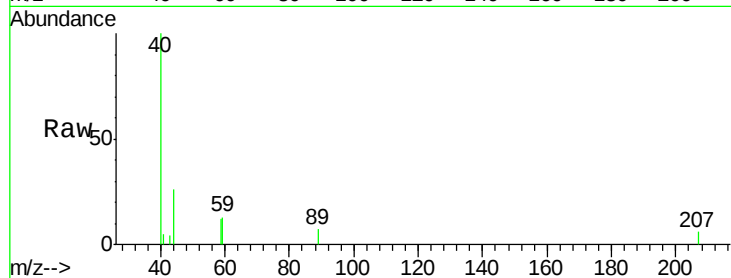
Tert butyl alcohol
Concen: 14.921 ug/l m
RT: 5.23 min Scan# 562
Delta R.T. -0.03 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion: 59 Resp: 3397
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

Manual Integrations
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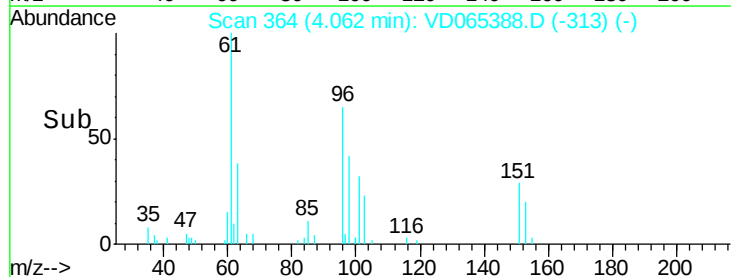
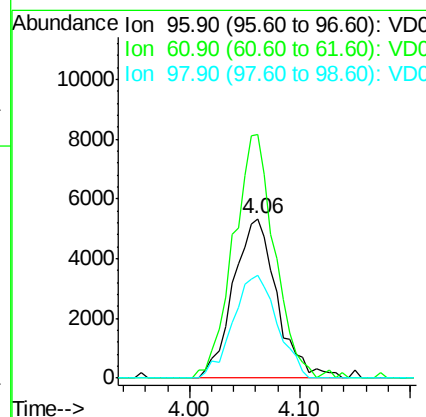
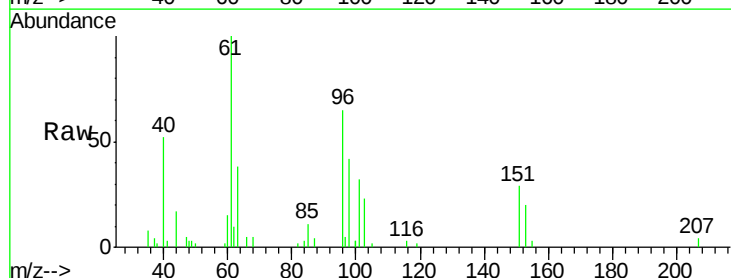
MMDadoda
3/4/2020 2:01:26 PM

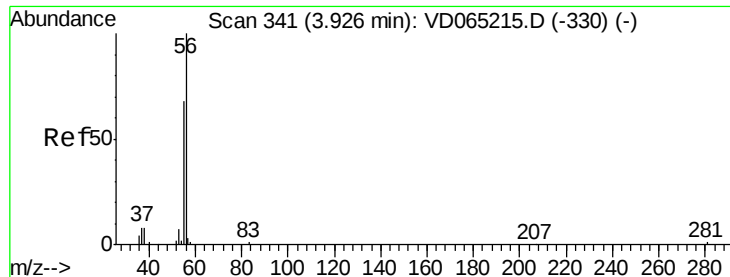


#12

1,1-Dichloroethene
Concen: 3.757 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 96 Resp: 14751
Ion Ratio Lower Upper
96 100
61 153.0 123.3 184.9
98 64.6 51.0 76.4





#13

Acrolein

Concen: 11.734 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0304

Tot Ion: 56 Resp: 3977

Ion Ratio Lower Upper

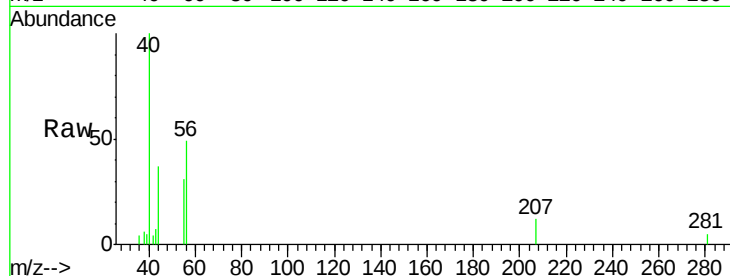
56 100

55 69.9 56.6 85.0

Manual Integrations
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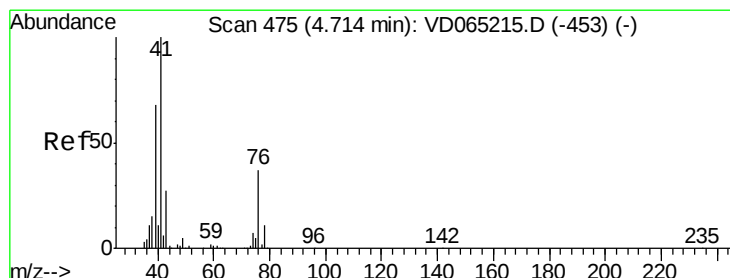
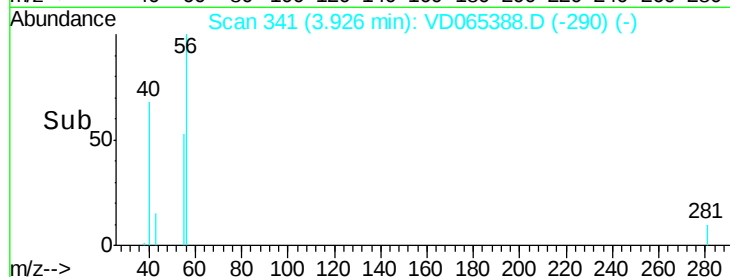
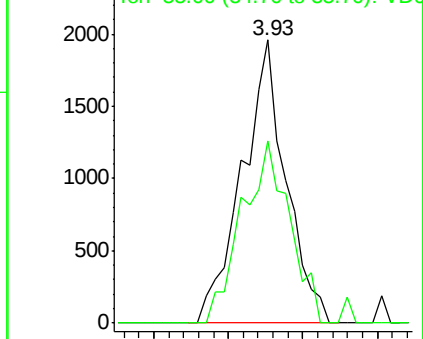
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3/4/2020 2:01:26 PM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 3.097 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

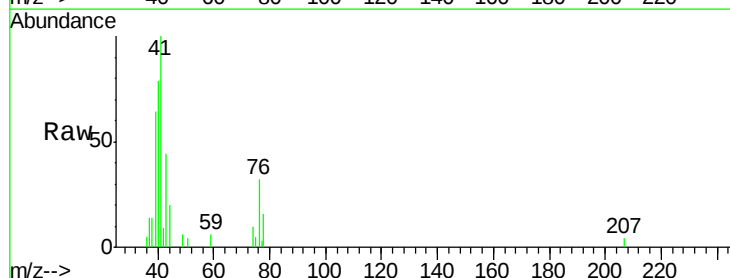
Tgt Ion: 41 Resp: 19748

Ion Ratio Lower Upper

41 100

39 60.7 53.8 80.6

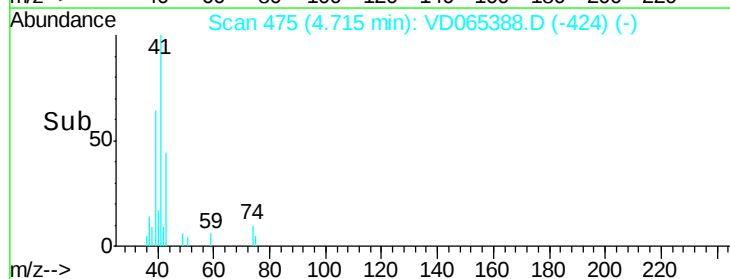
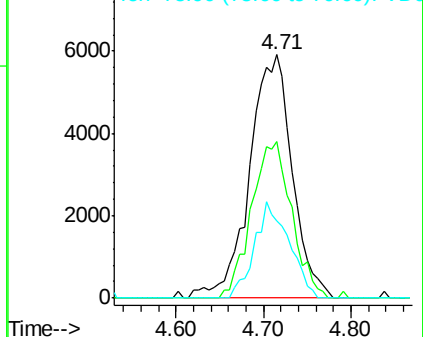
76 32.1 28.7 43.1

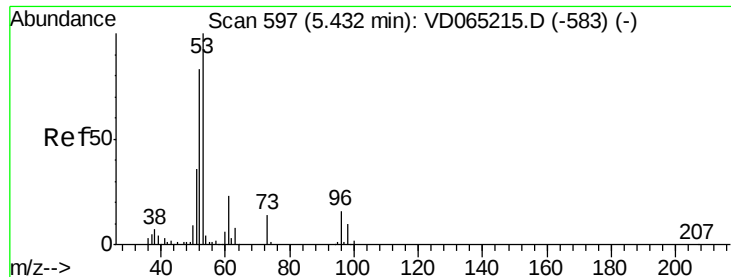


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 12.812 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

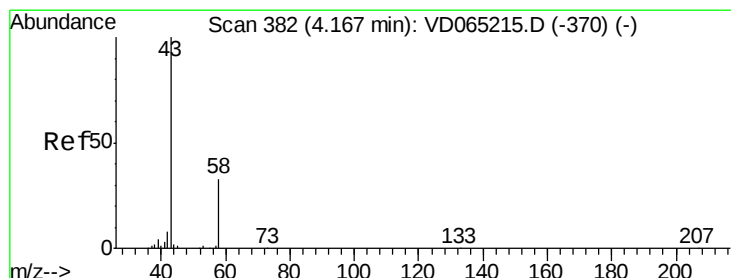
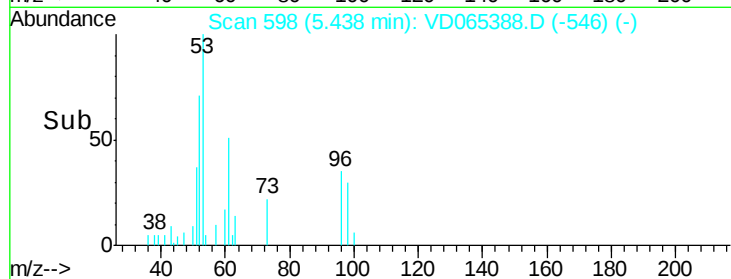
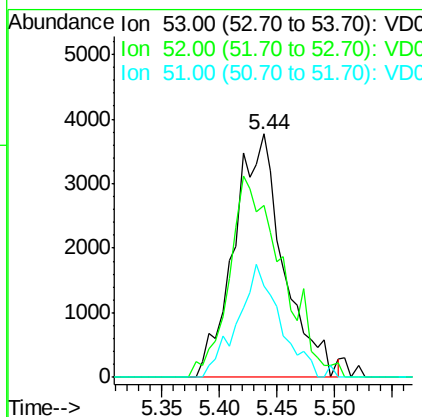
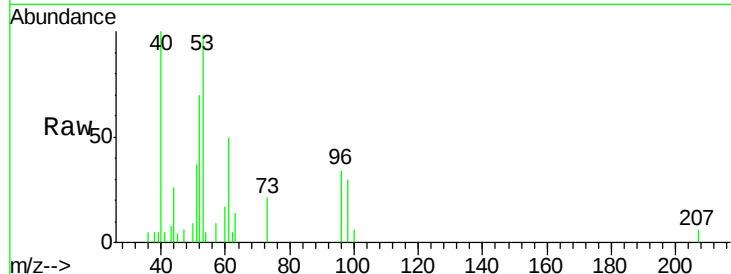
ClientSampleID :

VD0304

Tot Ion:	53	Resp:	11270
Ion	Ratio	Lower	Upper
53	100		
52	87.7	65.4	98.2
51	39.3	29.5	44.3

Manual Integrations
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3/4/2020 2:01:26 PM



#16

Acetone

Concen: 15.190 ug/l

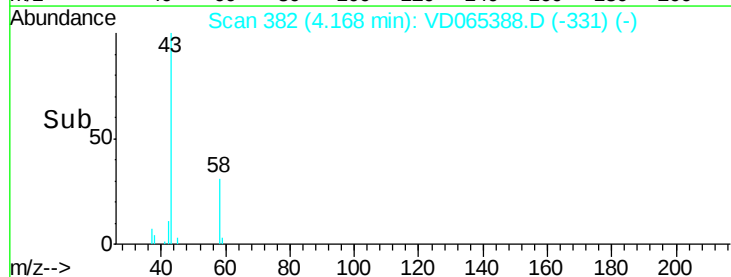
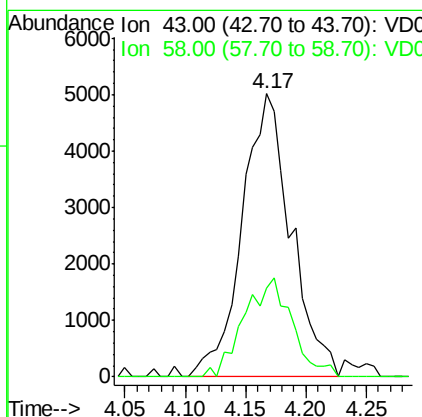
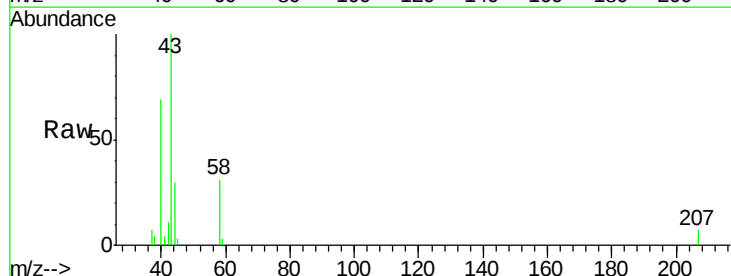
RT: 4.17 min Scan# 382

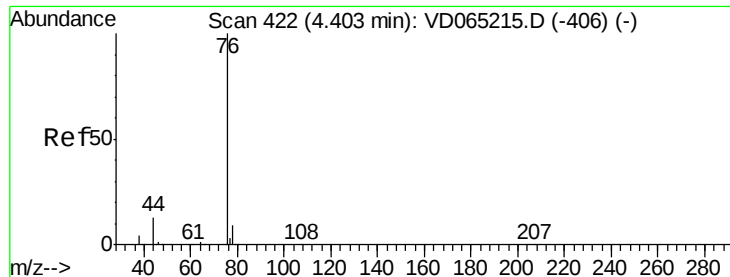
Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:	43	Resp:	14147
Ion	Ratio	Lower	Upper
43	100		
58	31.3	26.2	39.2





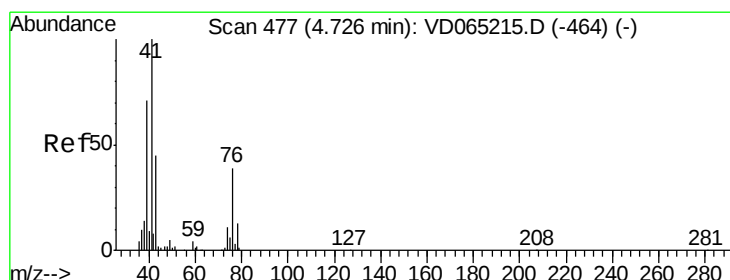
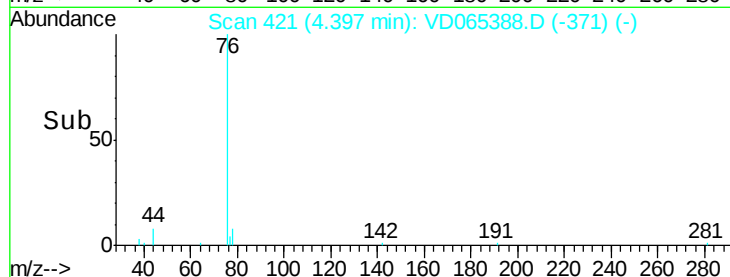
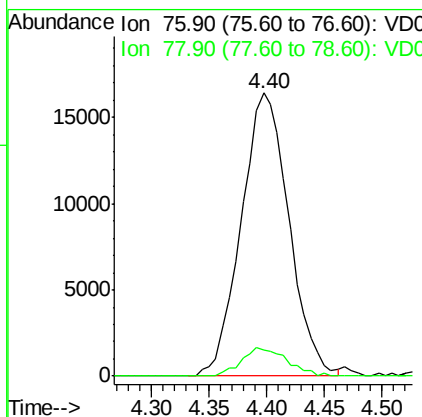
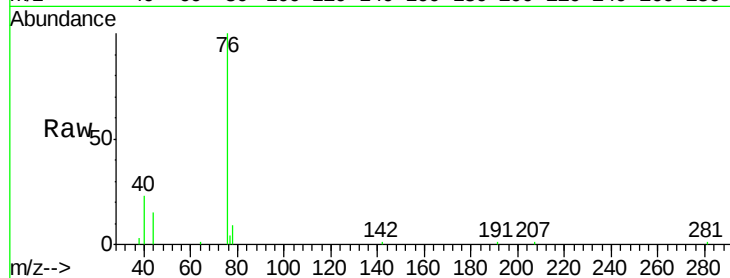
#17
Carbon Disulfide
Concen: 3.593 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.6

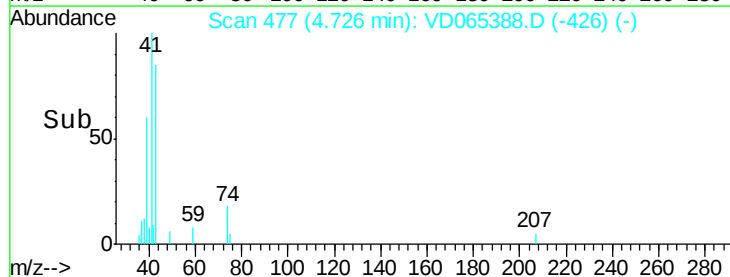
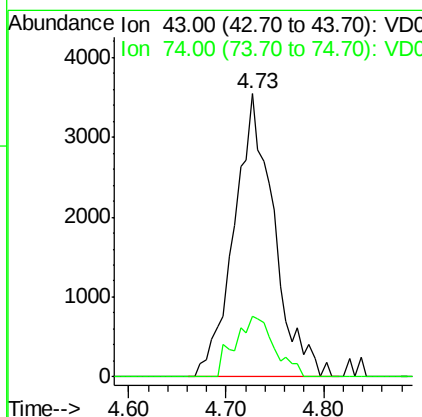
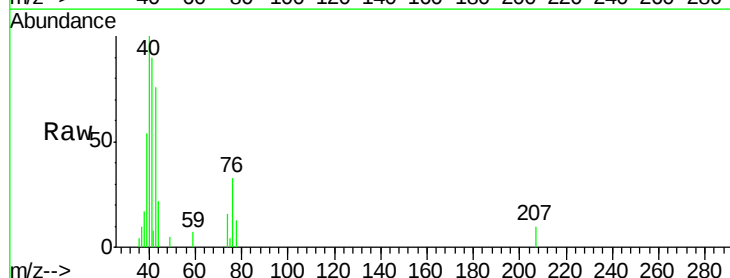
Manual Integrations
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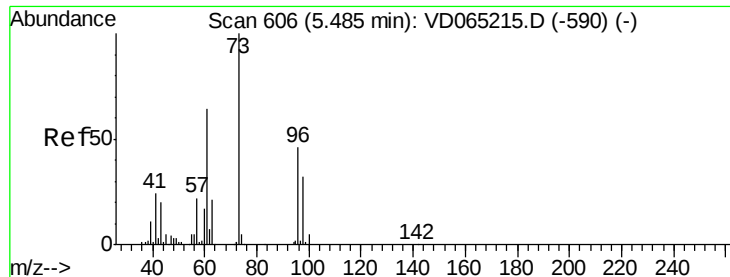
MMDadoda
3/4/2020 2:01:26 PM



#18
Methyl Acetate
Concen: 4.809 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.2	19.4	29.2





#19

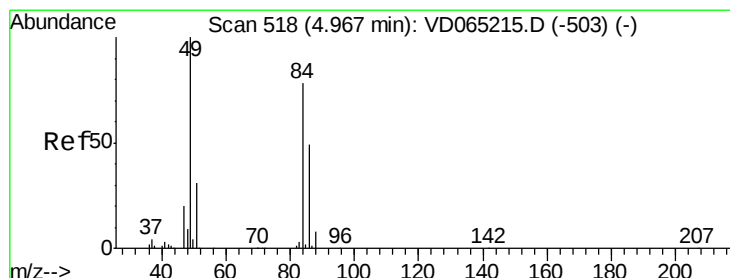
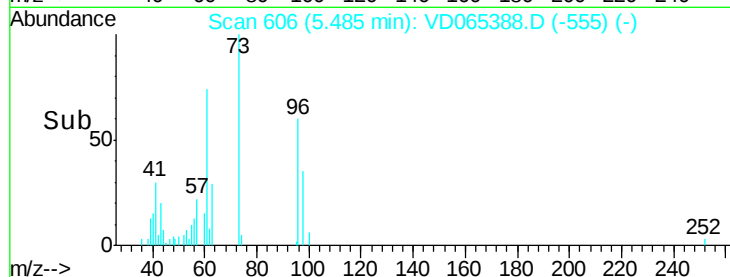
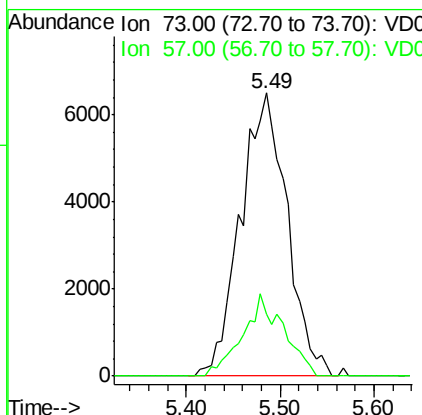
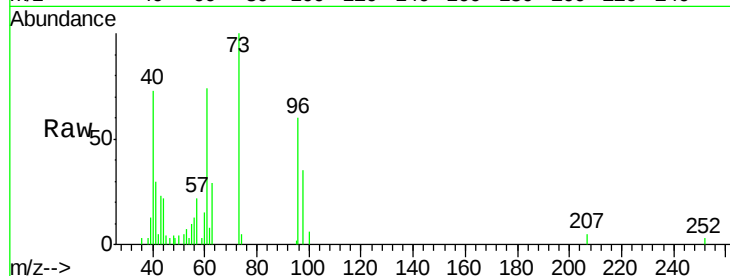
Methyl tert-butyl Ether
 Concen: 2.729 ug/l
 RT: 5.49 min Scan# 606
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.3	25.9

Manual Integrations
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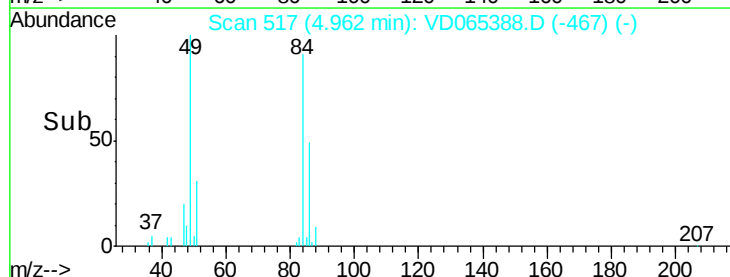
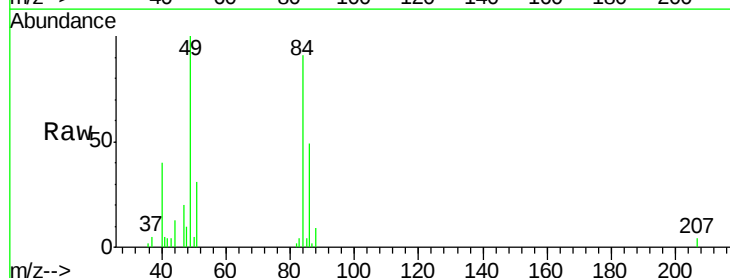
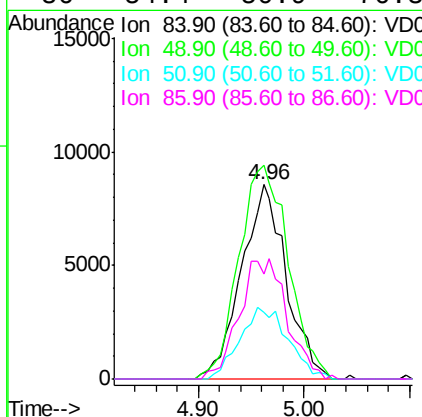
MMDadoda
 3/4/2020 2:01:26 PM

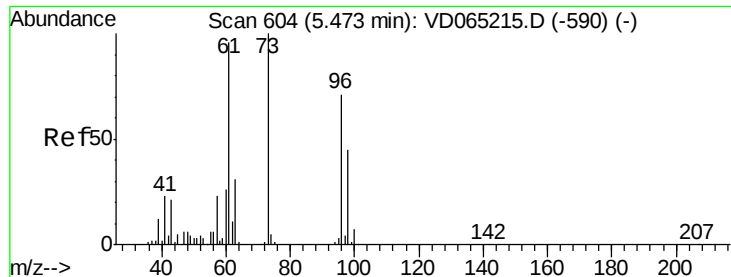


#20

Methylene Chloride
 Concen: 5.326 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
84	100		
49	110.1	103.1	154.7
51	34.2	31.7	47.5
86	54.4	50.9	76.3





#21

trans-1,2-Dichloroethene

Concen: 3.492 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

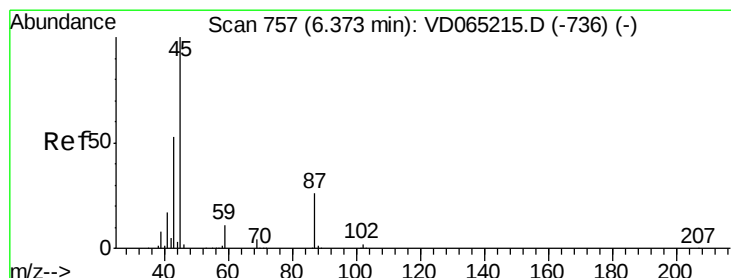
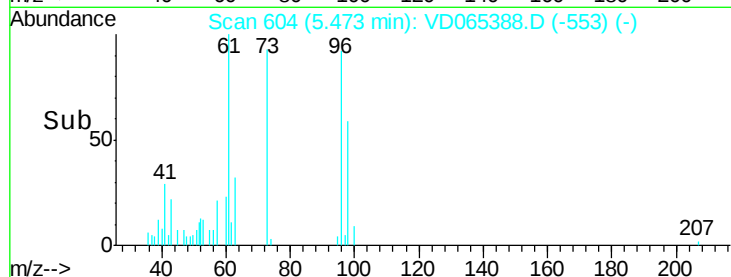
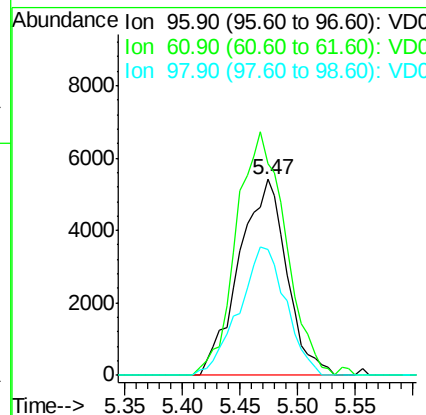
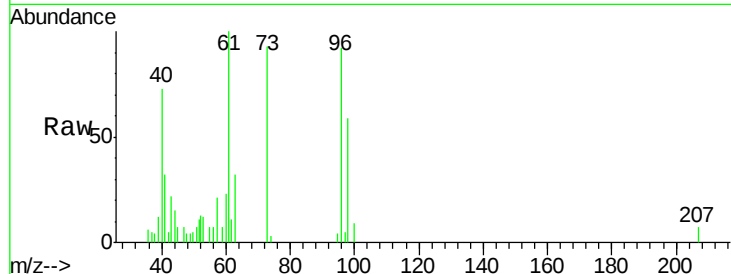
ClientSampleId :

VD0304

Tot Ion:	96	Resp:	15589
Ion	Ratio	Lower	Upper
96	100		
61	108.3	108.3	162.5
98	64.1	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 2.497 ug/l

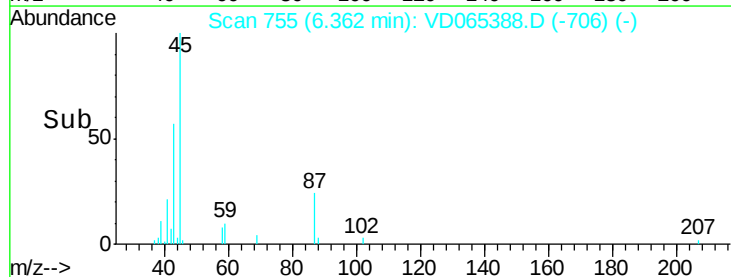
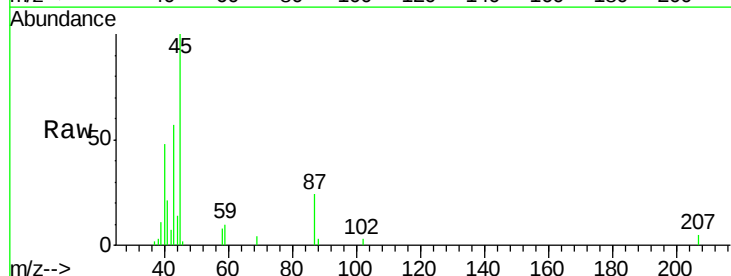
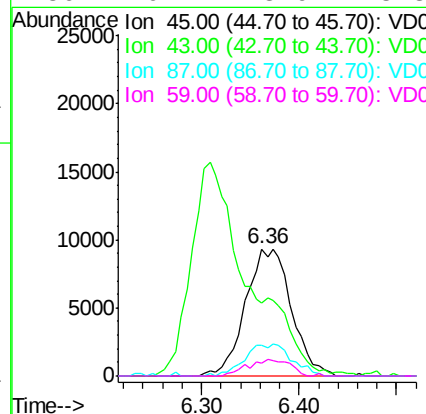
RT: 6.36 min Scan# 755

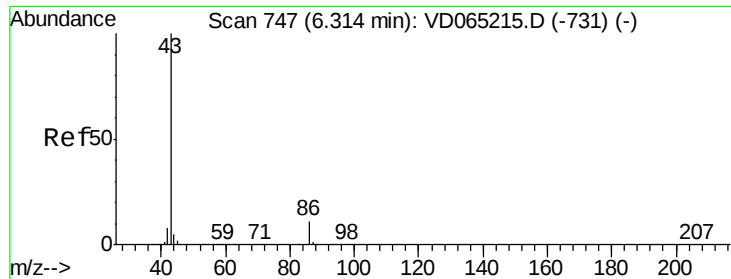
Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:	45	Resp:	30689
Ion	Ratio	Lower	Upper
45	100		
43	54.4	42.6	64.0
87	24.0	21.2	31.8
59	10.4	8.9	13.3





#23

Vinyl Acetate

Concen: 7.734 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampled :

VD0304

Tot Ion: 43 Resp: 52411

Ion Ratio Lower Upper

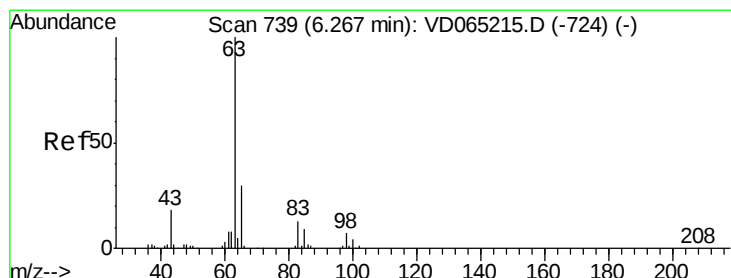
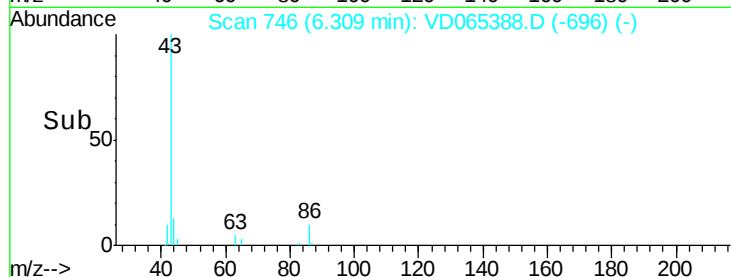
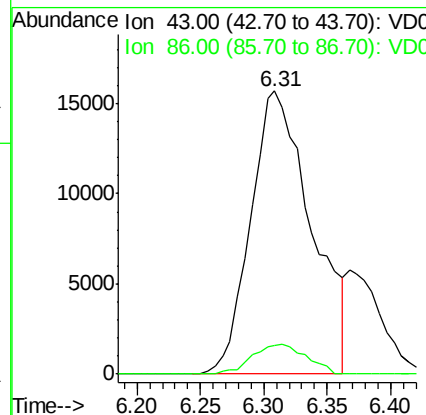
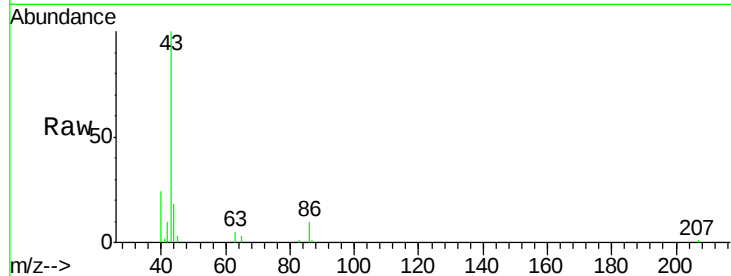
43 100

86 9.9 8.6 12.8

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3/4/2020 2:01:26 PM



#24

1,1-Dichloroethane

Concen: 3.493 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

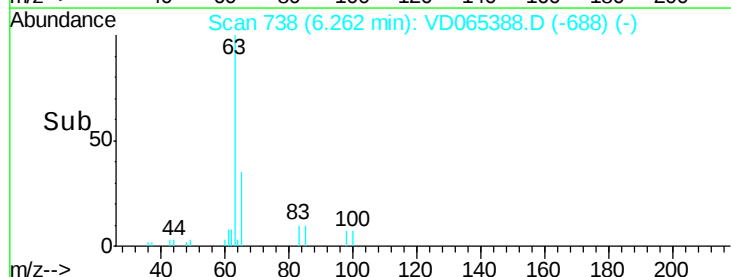
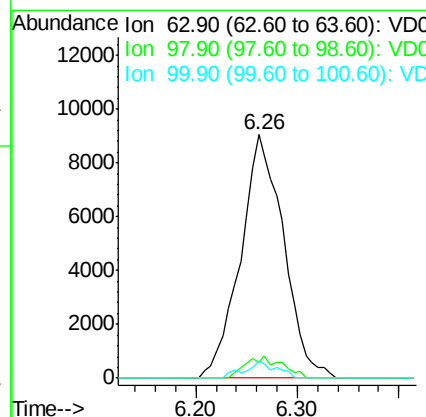
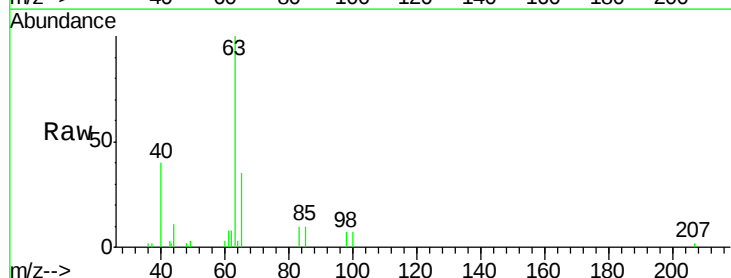
Tgt Ion: 63 Resp: 26636

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

100 6.7 2.3 6.8





#25

2-Butanone

Concen: 13.041 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0304

Tot Ion: 43 Resp: 15367

Ion Ratio Lower Upper

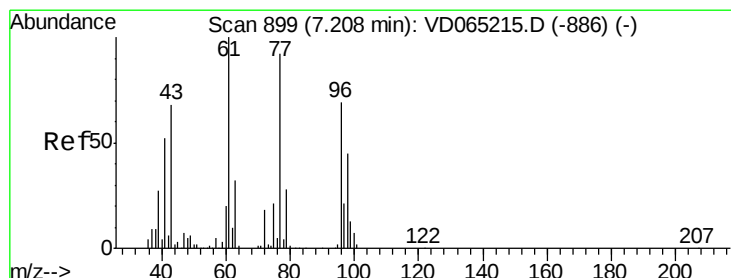
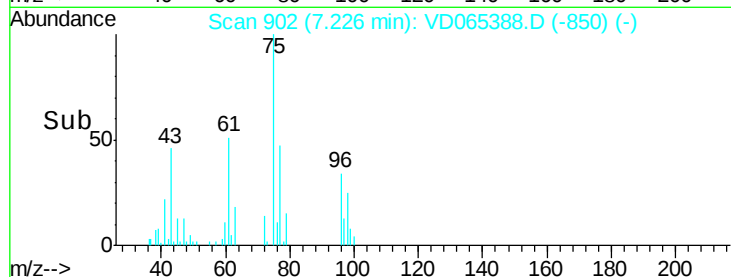
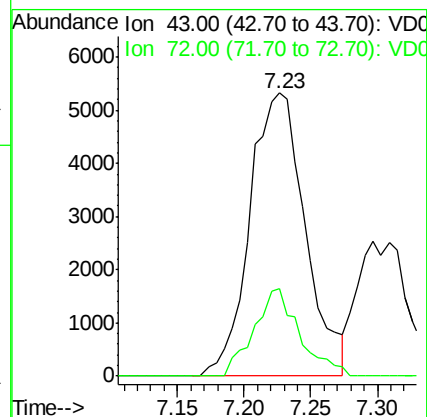
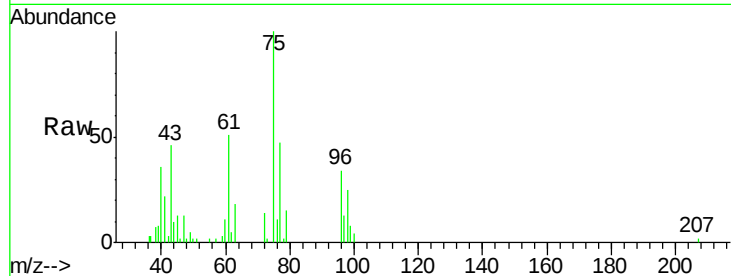
43 100

72 31.0 20.9 31.3

Manual Integrations
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3/4/2020 2:01:26 PM



#26

2,2-Dichloropropane

Concen: 3.185 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065388.D

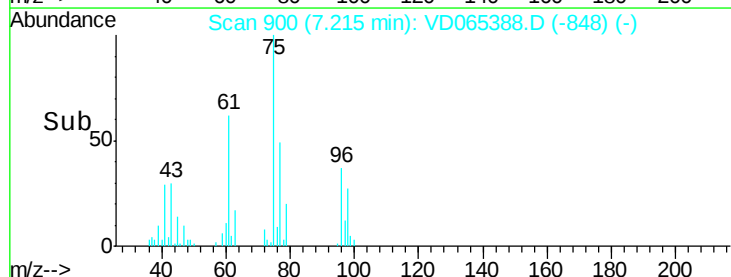
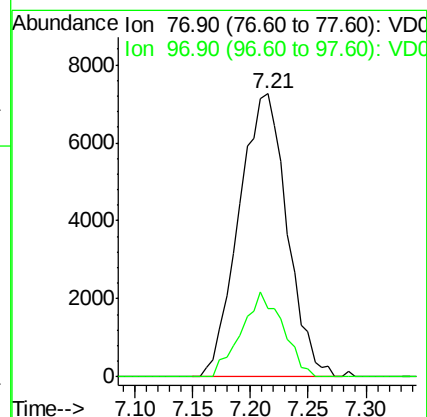
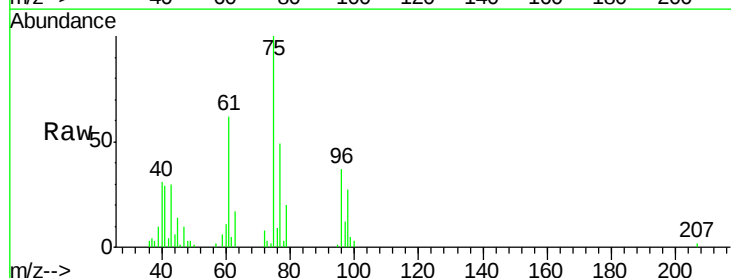
Acq: 03 Mar 2020 12:15

Tgt Ion: 77 Resp: 21068

Ion Ratio Lower Upper

77 100

97 25.8 11.7 35.1





#27

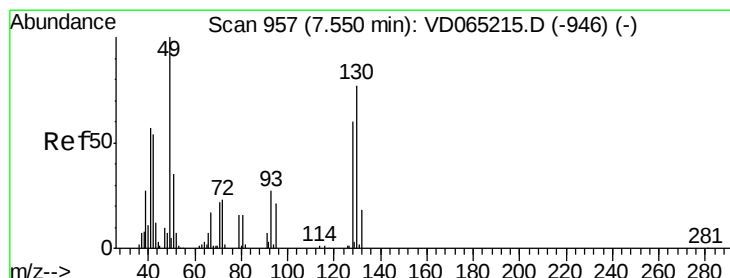
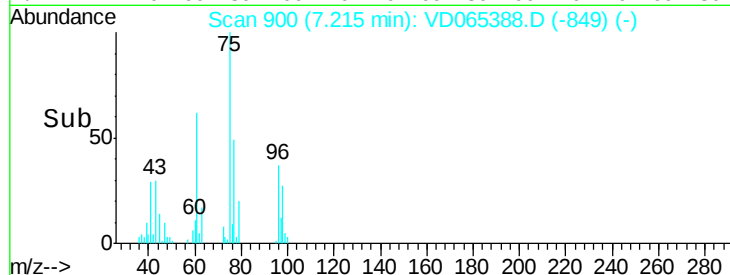
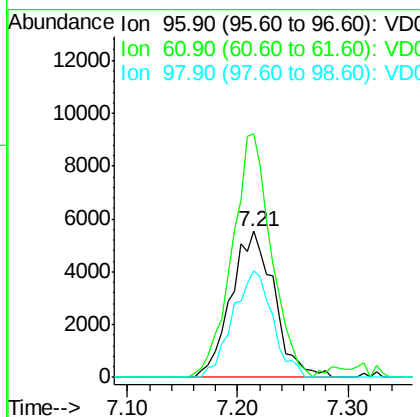
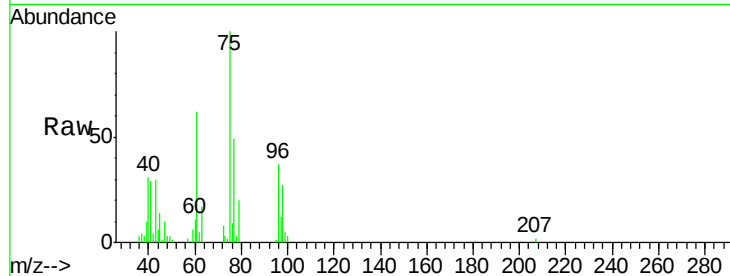
cis-1,2-Dichloroethene
Concen: 3.211 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
96	100		
61	151.0	0.0	286.0
98	66.9	0.0	127.8

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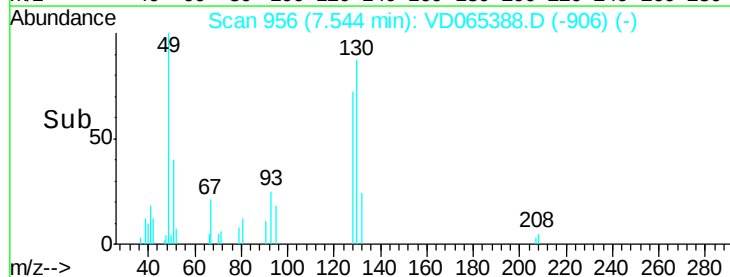
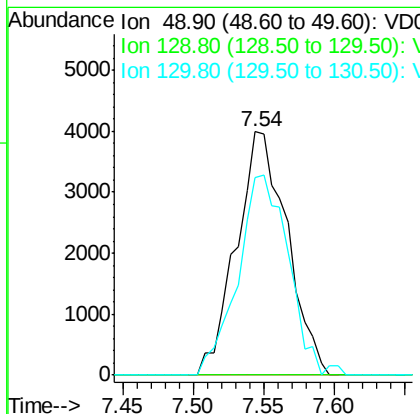
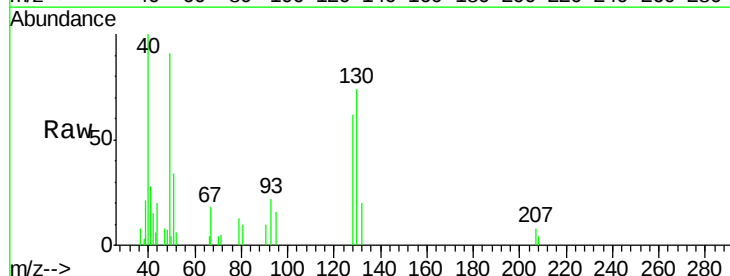
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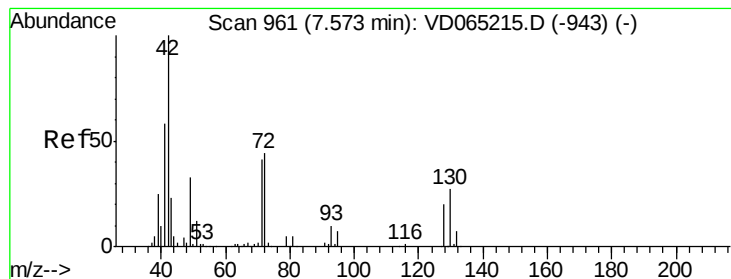


#28

Bromochloromethane
Concen: 3.545 ug/l
RT: 7.54 min Scan# 956
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.6
130	82.3	64.7	97.1





#29

Tetrahydrofuran

Concen: 12.082 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

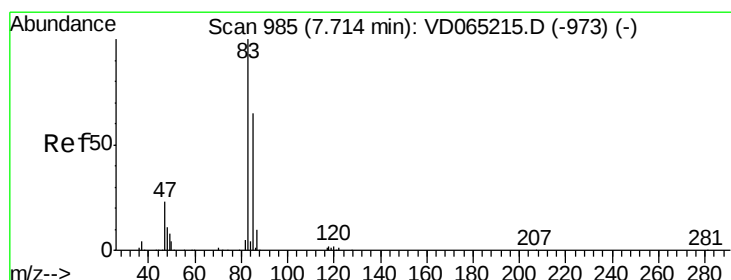
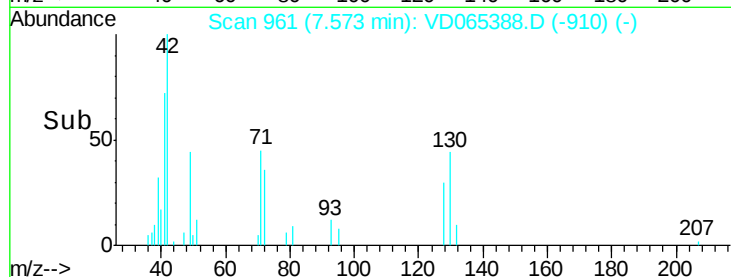
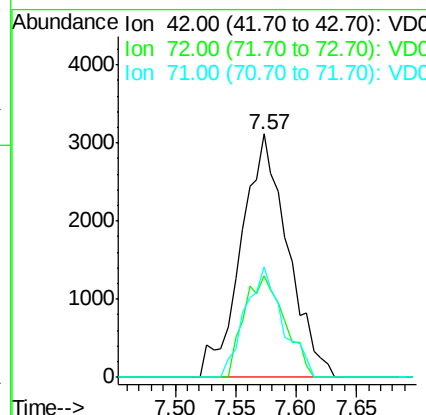
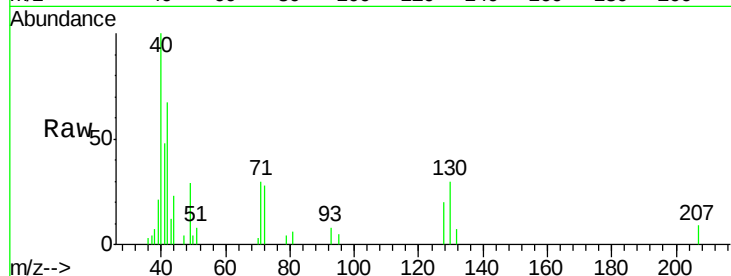
ClientSampleId :

VD0304

Tot Ion:	42	Resp:	8342
Ion	Ratio	Lower	Upper
42	100		
72	36.4	33.7	50.5
71	36.8	31.4	47.2

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3/4/2020 2:01:26 PM



#30

Chloroform

Concen: 3.656 ug/l

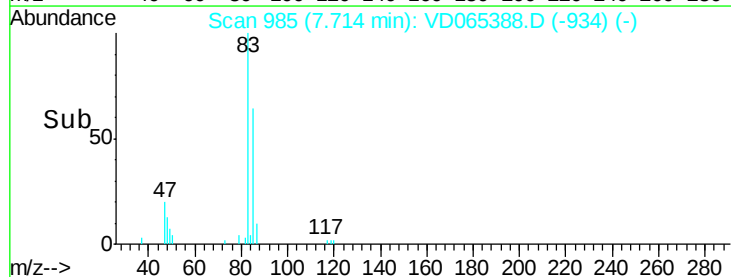
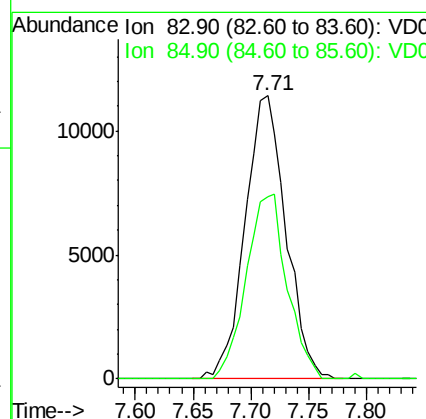
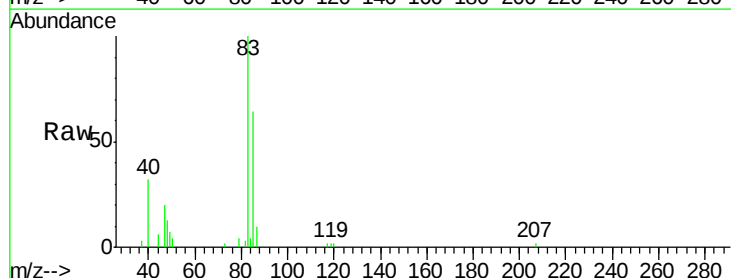
RT: 7.71 min Scan# 985

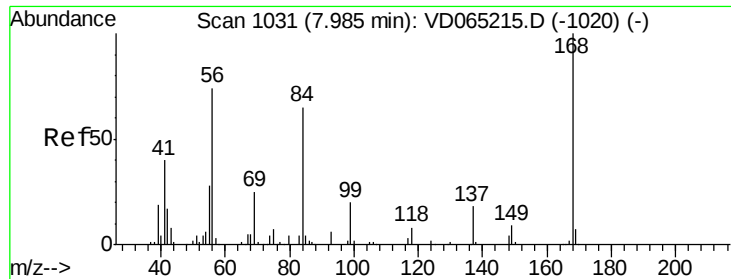
Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:	83	Resp:	28083
Ion	Ratio	Lower	Upper
83	100		
85	64.3	52.3	78.5





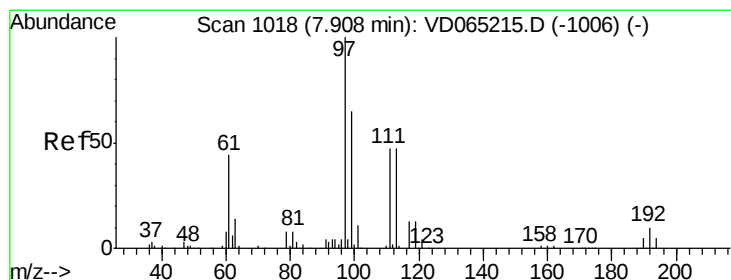
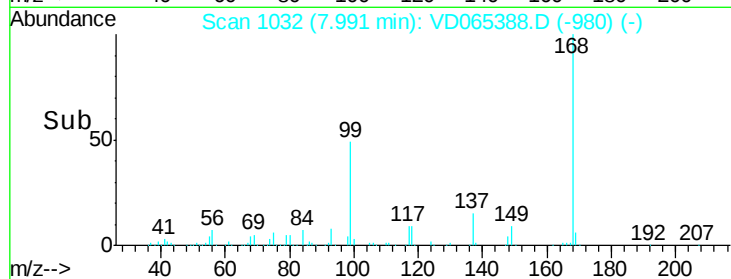
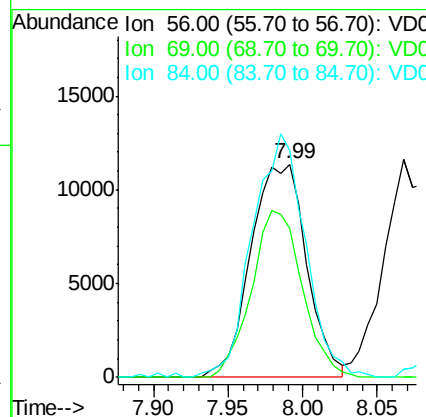
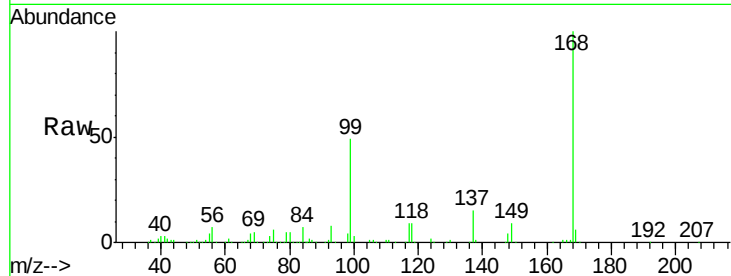
#31
Cyclohexane
Concen: 3.931 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampled :
VD0304

Tot Ion	Ratio	Lower	Upper
56	100		
69	69.6	27.4	41.0#
84	106.6	71.1	106.7

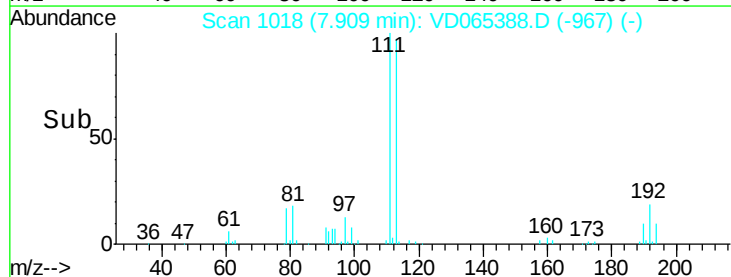
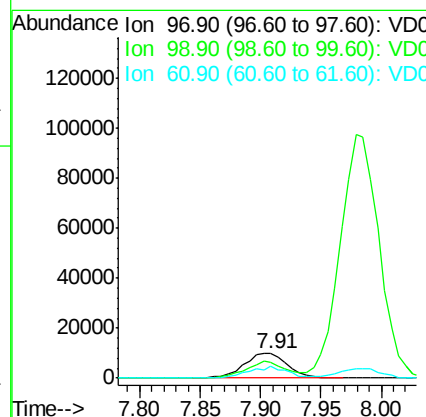
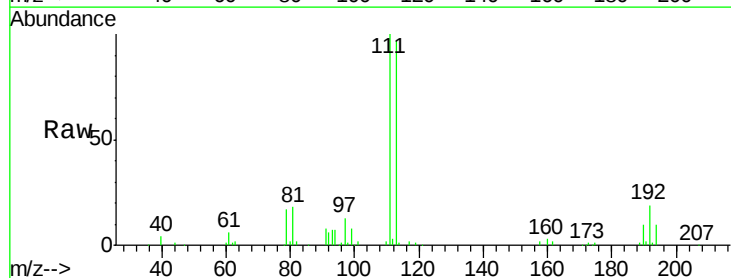
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3/4/2020 2:01:26 PM



#32
1,1,1-Trichloroethane
Concen: 3.622 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
97	100		
99	61.3	51.4	77.2
61	41.6	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 54.247 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampled :

VD0304

Tot Ion: 65 Resp: 206682

Ion Ratio Lower Upper

65 100

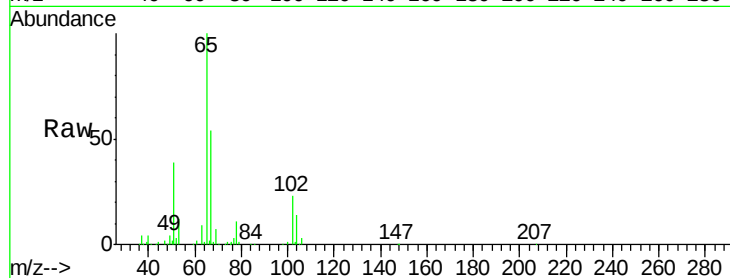
67 53.5 0.0 106.8

Manual Integrations

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

100000

80000

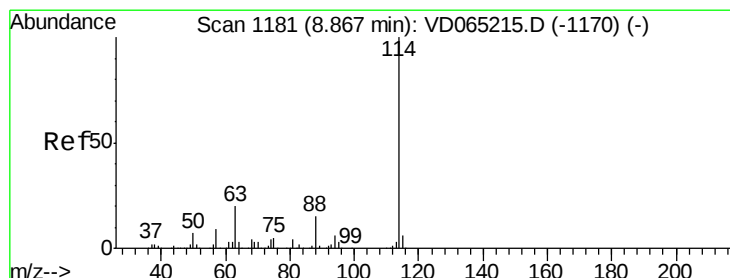
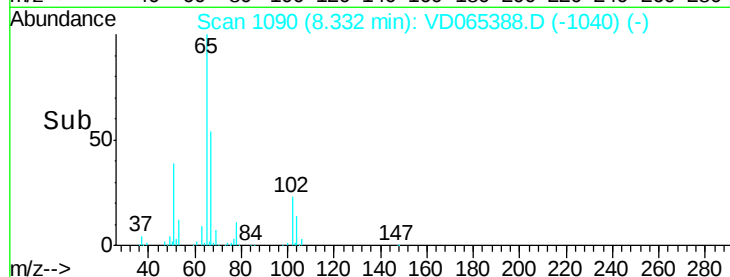
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

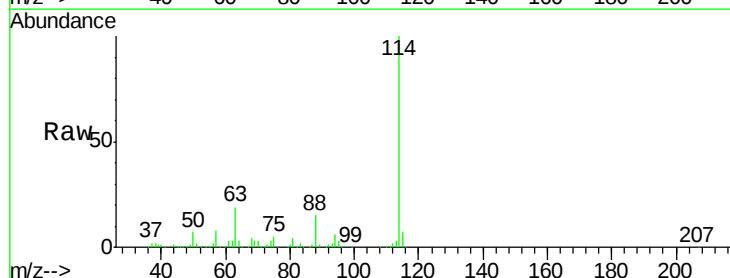
Tgt Ion: 114 Resp: 650641

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.4

88 14.7 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

400000

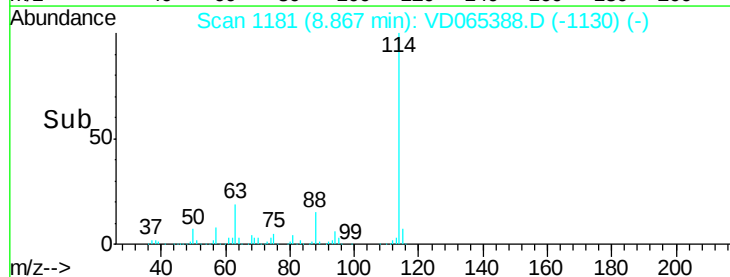
300000

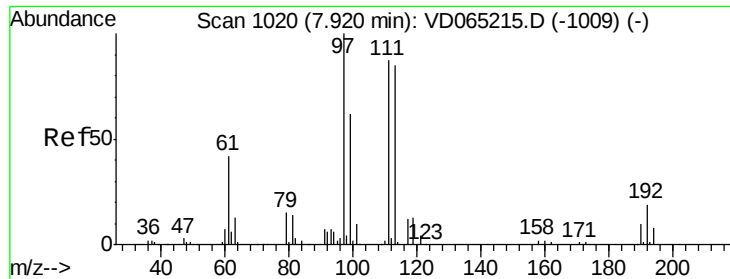
200000

100000

0

Time-->





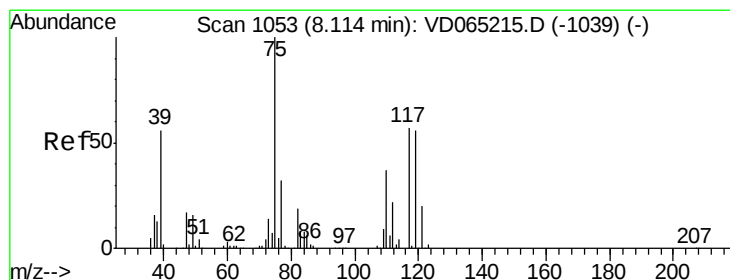
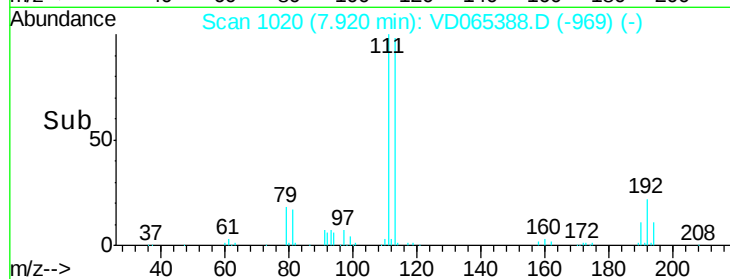
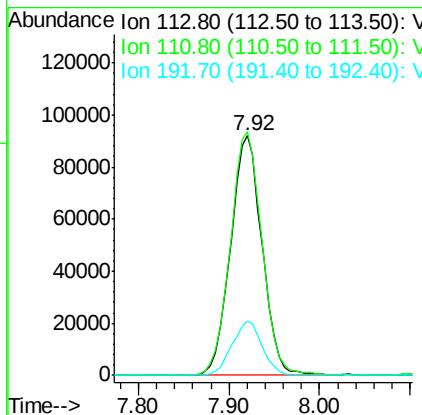
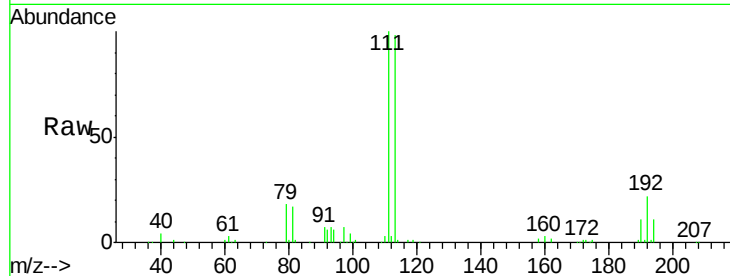
#35
 Dibromofluoromethane
 Concen: 55.716 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

Tot Ion	Ratio	Resp	Lower	Upper
113	100	221038		
111	102.6	82.9	124.3	
192	21.9	17.3	25.9	

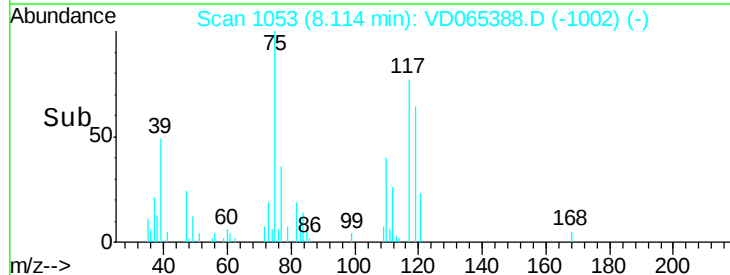
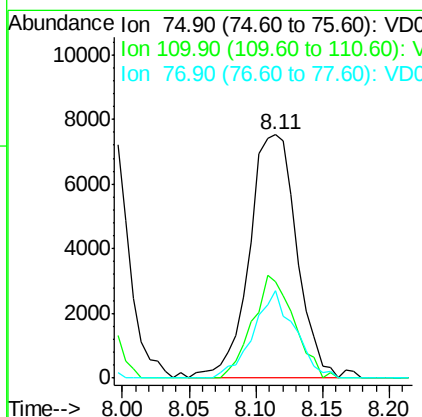
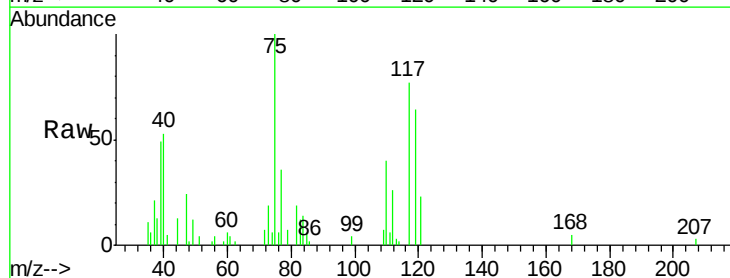
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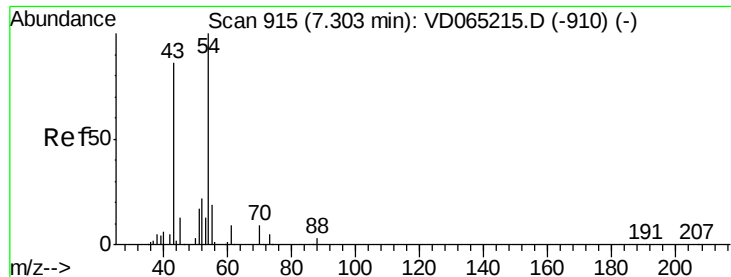
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#36
 1,1-Dichloropropene
 Concen: 2.915 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	18453		
110	37.2	17.9	53.7	
77	31.7	25.1	37.7	





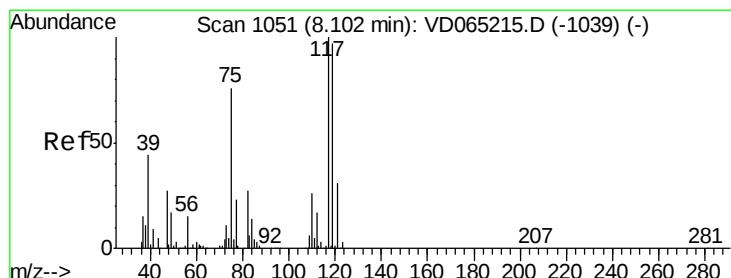
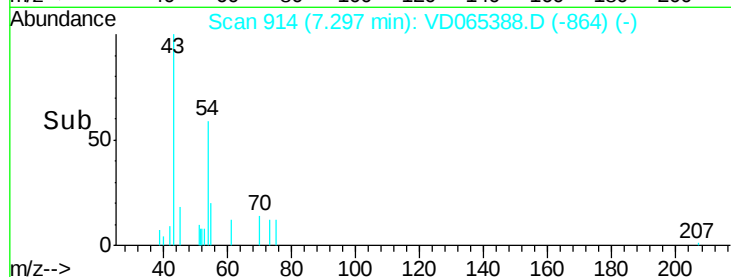
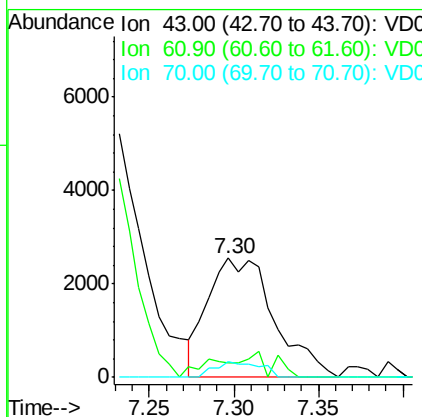
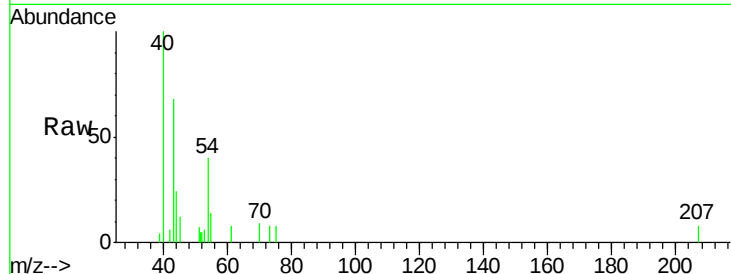
#37
Ethyl Acetate
Concen: 2.645 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleID :
VD0304

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.2	16.8#
70	9.0	8.2	12.2

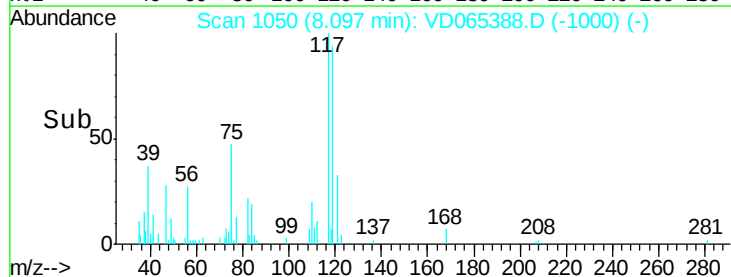
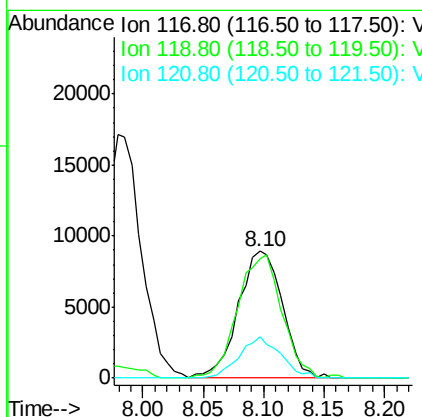
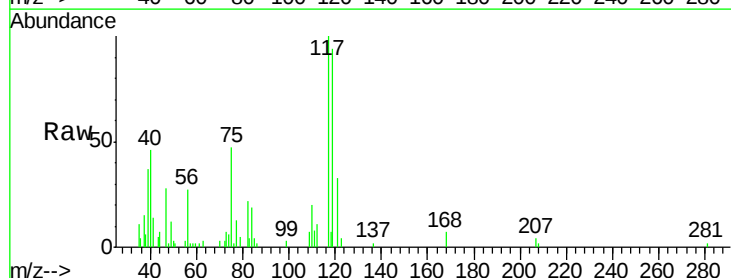
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#38
Carbon Tetrachloride
Concen: 3.537 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.3	77.6	116.4
121	32.7	24.8	37.2





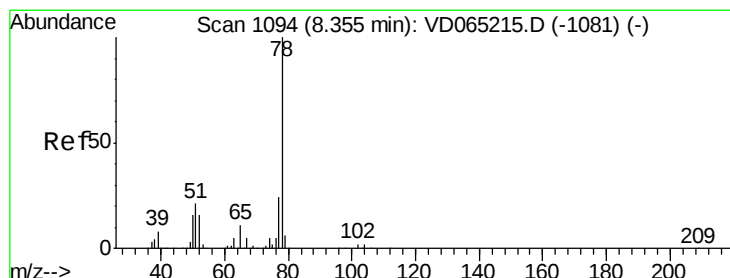
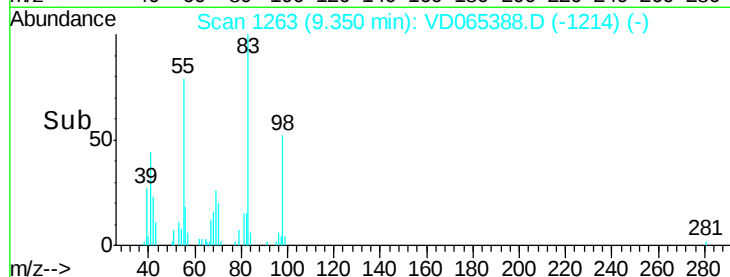
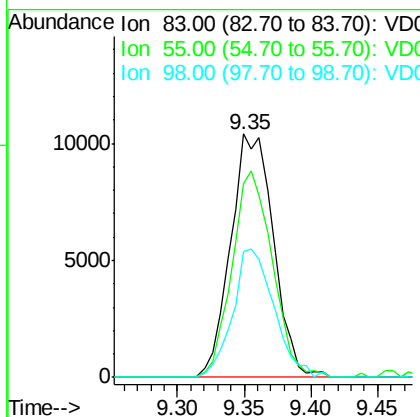
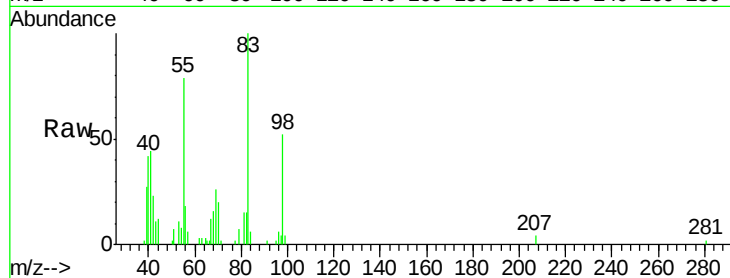
#39
Methvlcvclohexane
Concen: 3.109 ug/l
RT: 9.35 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
83	100		
55	79.4	61.8	92.6
98	51.8	39.4	59.0

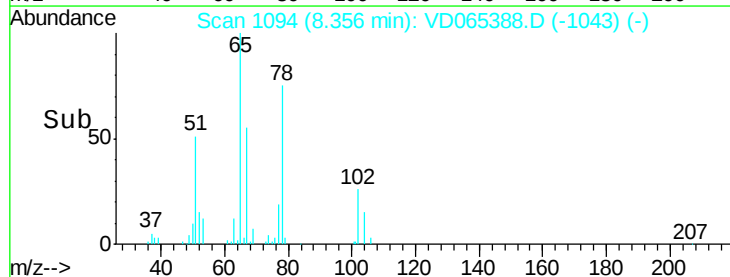
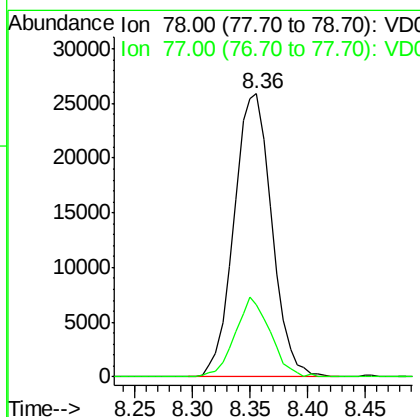
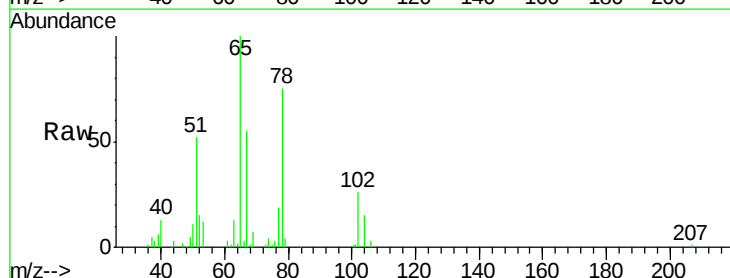
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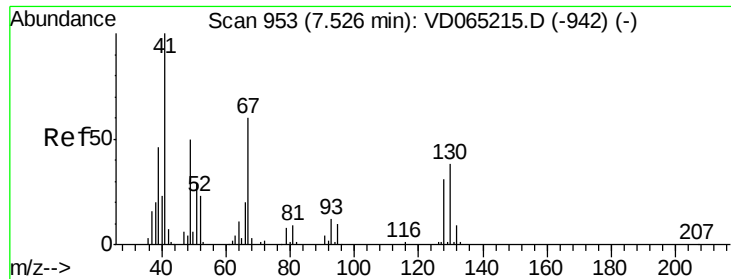
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#40
Benzene
Concen: 3.292 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.6	19.0	28.6





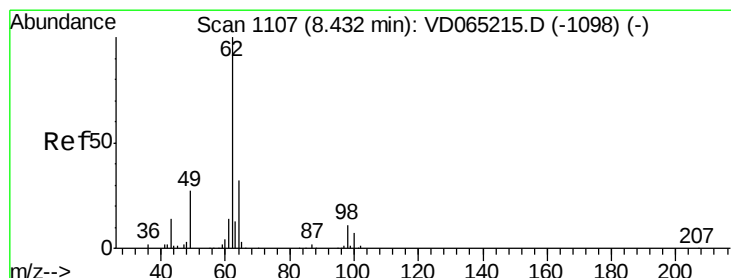
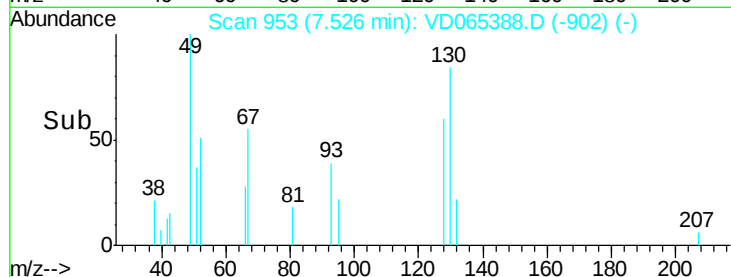
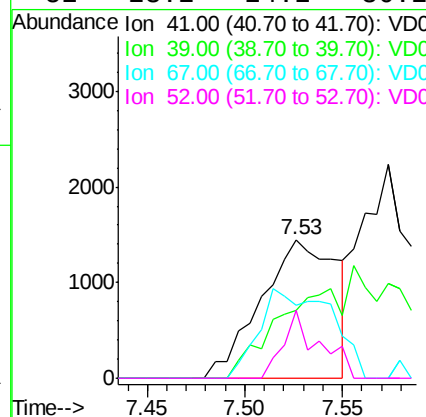
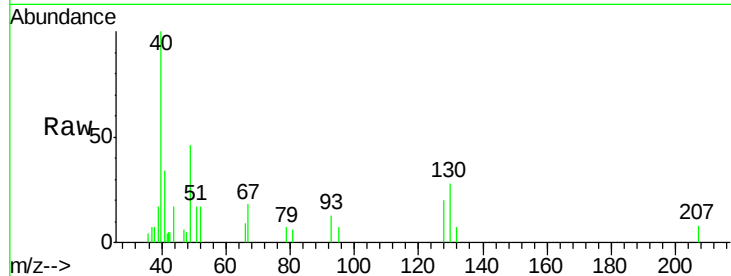
#41
Methacrylonitrile
Concen: 2.539 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	41	Resp	3880
Ion	Ratio	Lower	Upper
41	100		
39	0.0	48.1	72.1#
67	61.5	58.9	88.3
52	23.2	24.2	36.2#

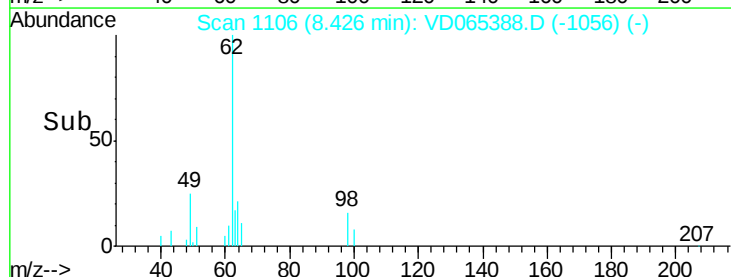
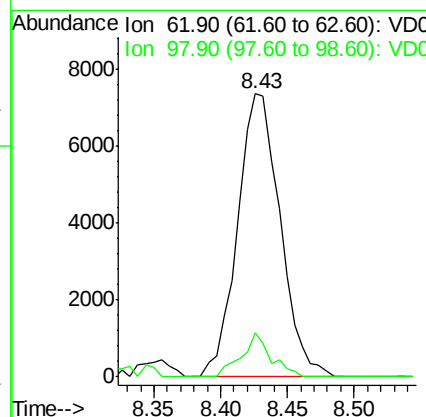
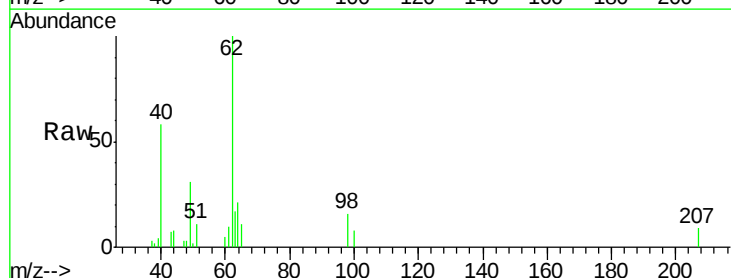
Manual Integrations
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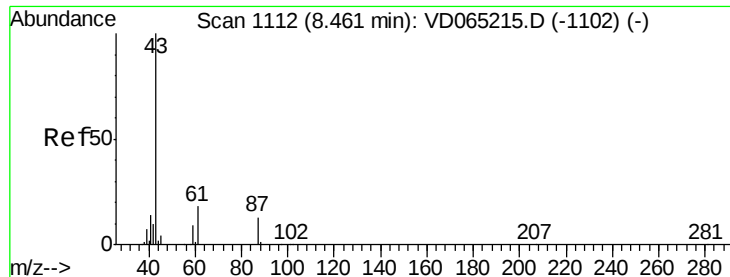
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#42
1,2-Dichloroethane
Concen: 3.318 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	62	Resp	16298
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	20.6





#43

Isopropyl Acetate

Concen: 2.401 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

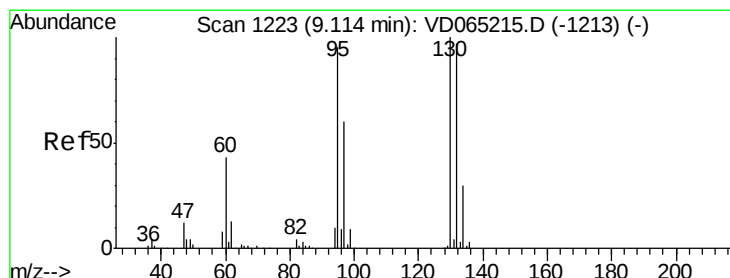
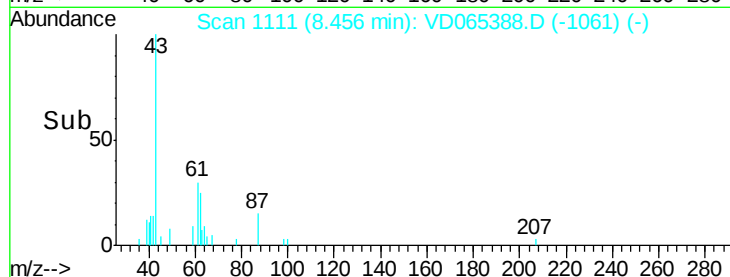
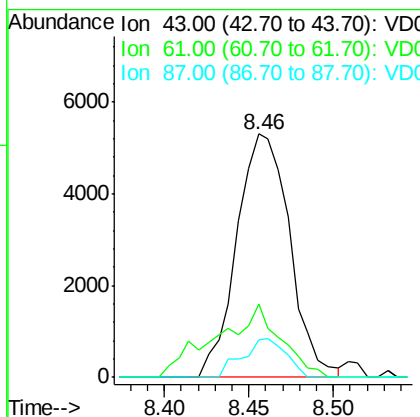
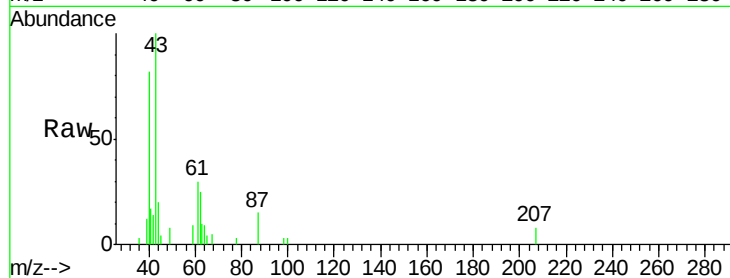
ClientSampleId :

VD0304

Tot Ion:	43	Resp:	11554
Ion	Ratio	Lower	Upper
43	100		
61	36.5	24.6	36.8
87	13.1	10.6	16.0

Manual Integrations
APPROVED

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3/4/2020 2:01:26 PM



#44

Trichloroethene

Concen: 3.529 ug/l

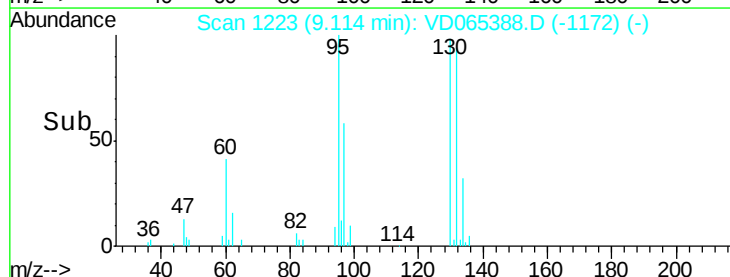
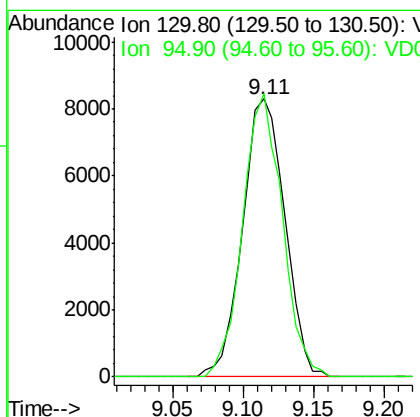
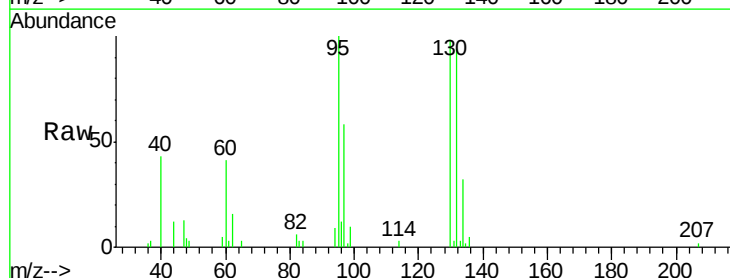
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:	130	Resp:	17479
Ion	Ratio	Lower	Upper
130	100		
95	101.9	0.0	190.6





#45

1,2-Dichloropropane

Concen: 3.357 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0304

Tot Ion: 63 Resp: 14917

Ion Ratio Lower Upper

63 100

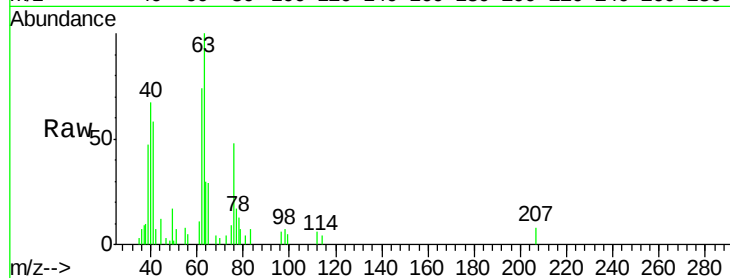
65 29.2 24.9 37.3

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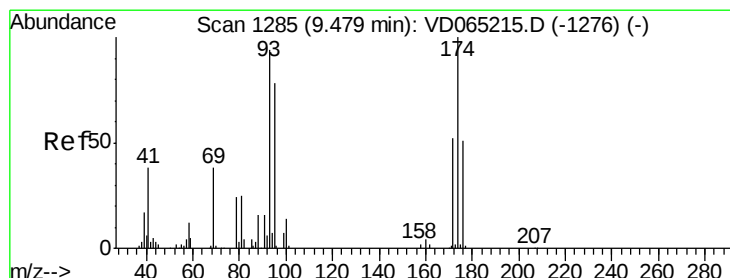
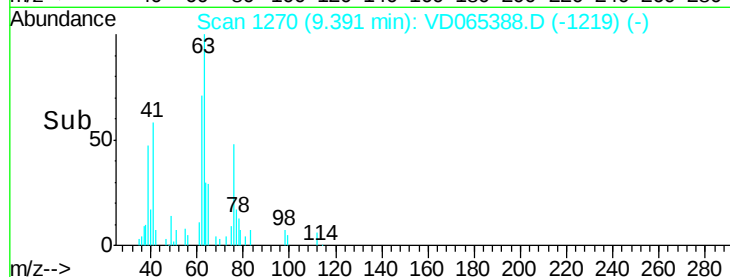
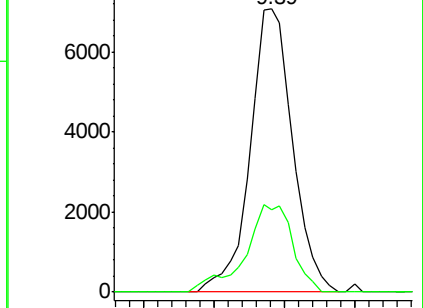
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 3.111 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

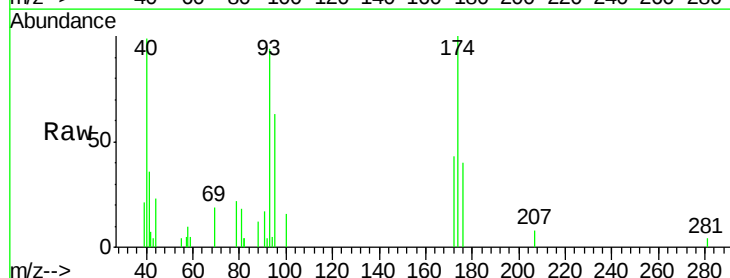
Tgt Ion: 93 Resp: 7113

Ion Ratio Lower Upper

93 100

95 75.2 65.8 98.6

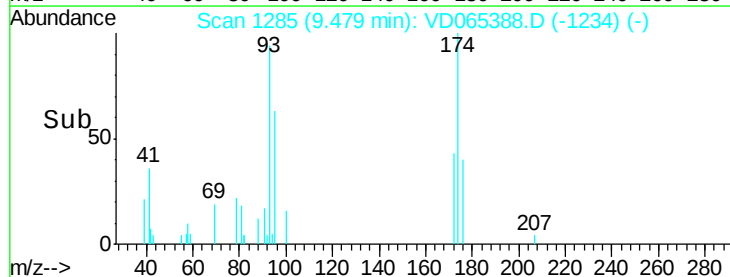
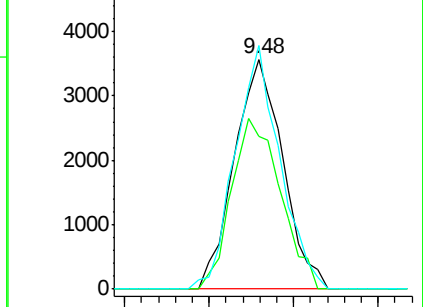
174 98.0 86.8 130.2

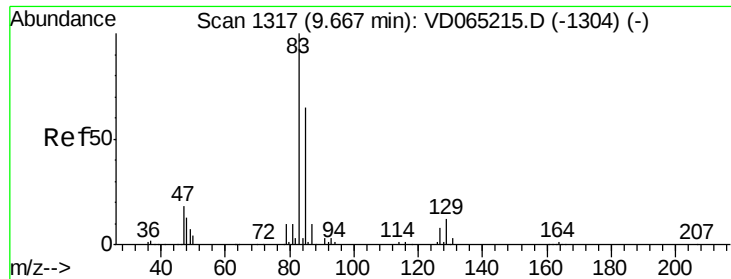


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 3.238 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

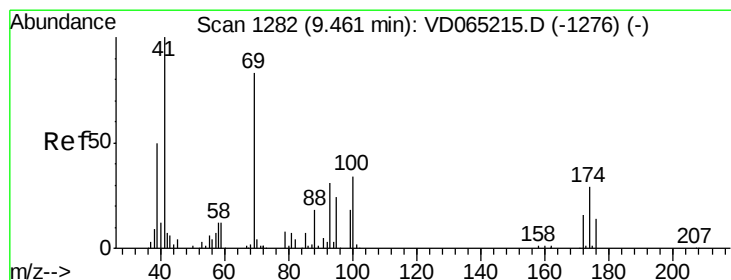
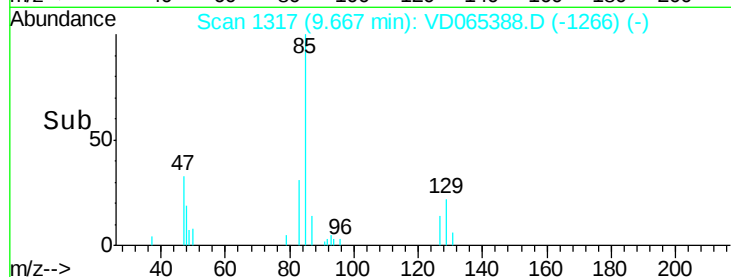
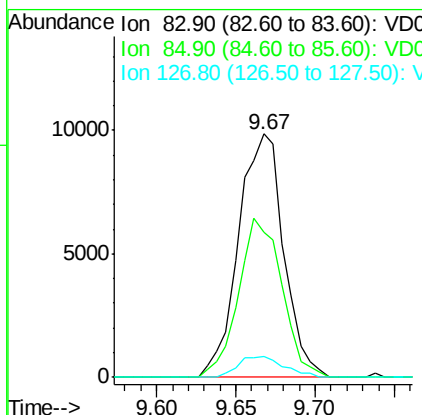
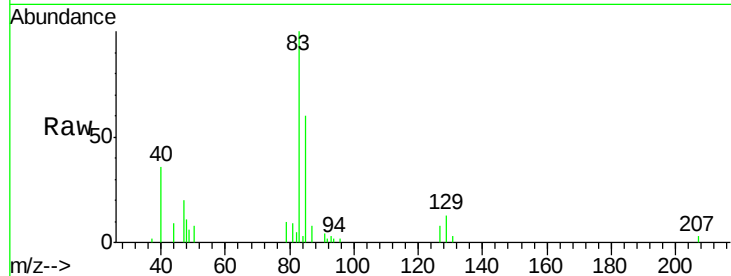
ClientSampled :

VD0304

Tot Ion:	83	Resp:	19508
Ion	Ratio	Lower	Upper
83	100		
85	59.8	52.0	78.0
127	8.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 2.239 ug/l

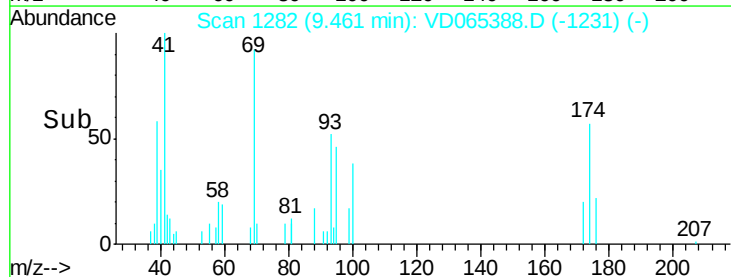
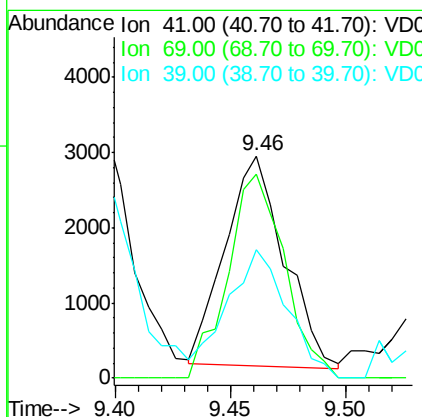
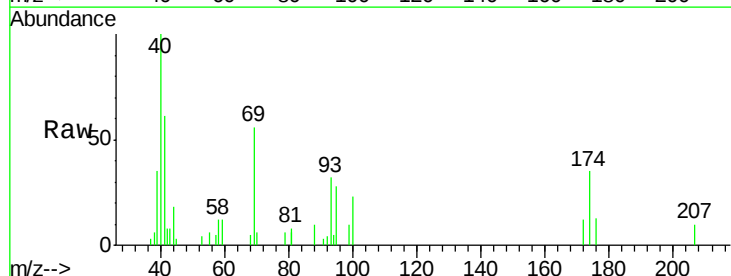
RT: 9.46 min Scan# 1282

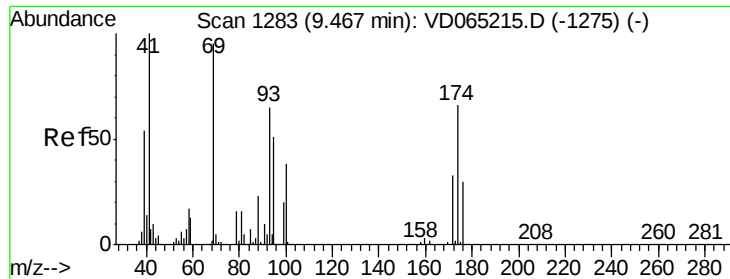
Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:	41	Resp:	4980
Ion	Ratio	Lower	Upper
41	100		
69	93.1	68.2	102.2
39	62.5	42.0	63.0





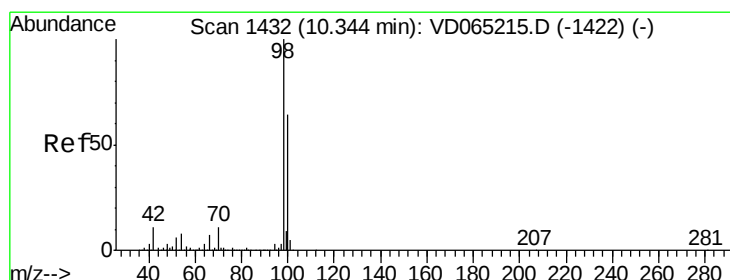
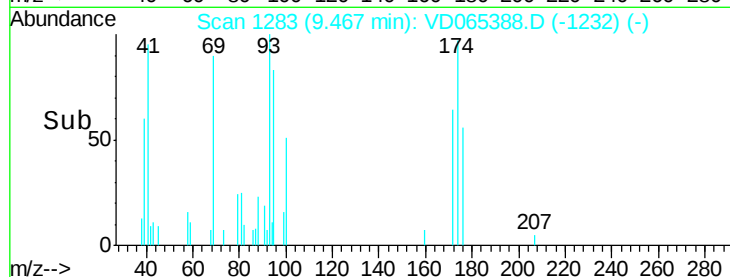
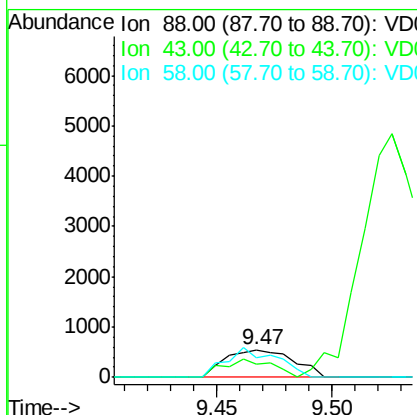
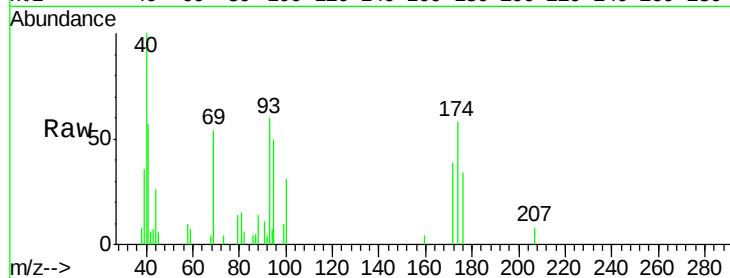
#49
1,4-Dioxane
Concen: 41.882 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	88	Resp	1123
Ion	Ratio	Lower	Upper
88	100		
43	48.3	28.5	42.7#
58	80.8	58.6	87.8

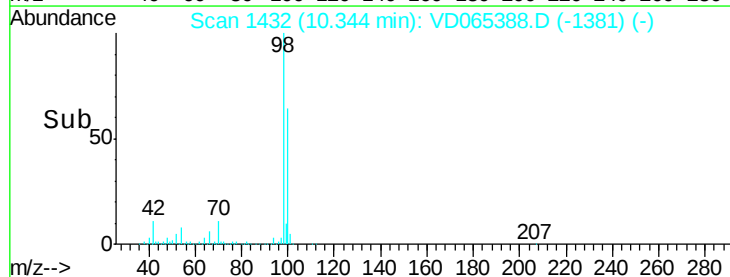
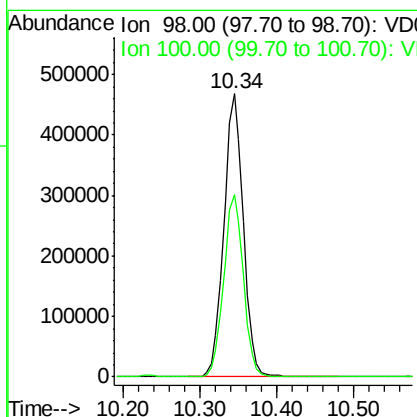
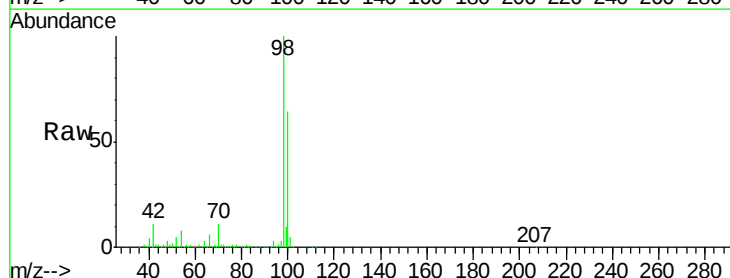
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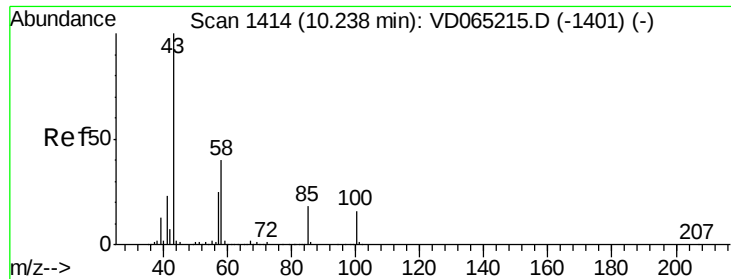
MMDadoda
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#50
Toluene-d8
Concen: 54.369 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	98	Resp	824579
Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 11.781 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

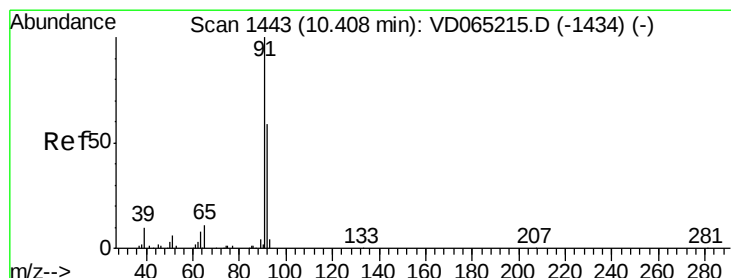
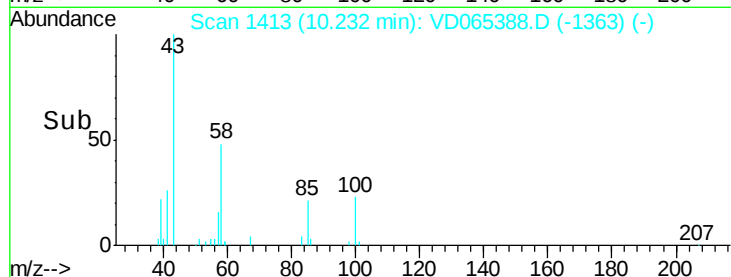
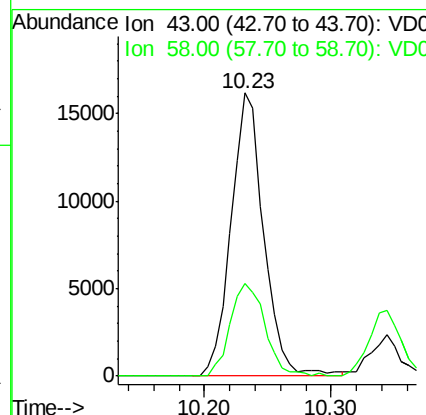
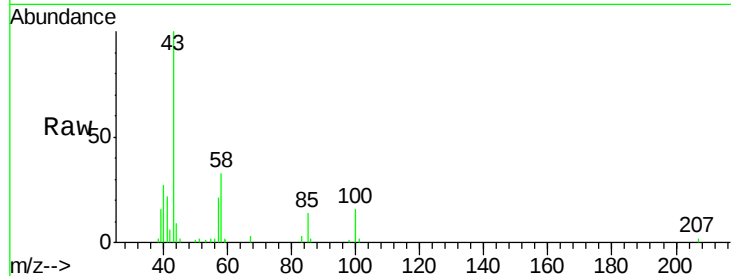
ClientSampled :

VD0304

Tot Ion	43	Resp	28797
Ion	Ratio	Lower	Upper
43	100		
58	34.6	31.1	46.7

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#52

Toluene

Concen: 3.452 ug/l

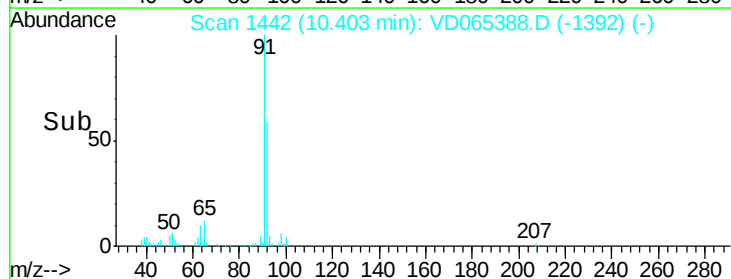
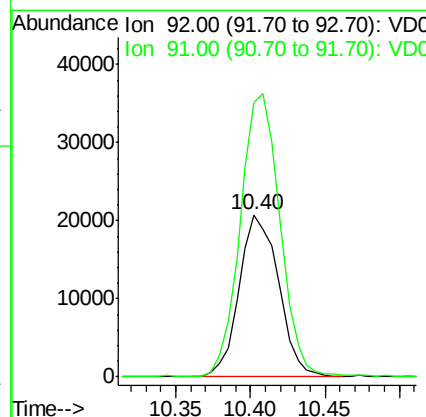
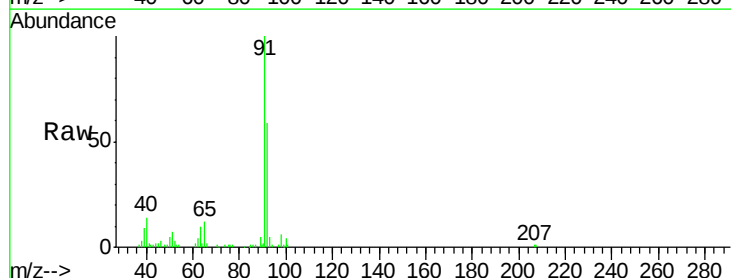
RT: 10.40 min Scan# 1442

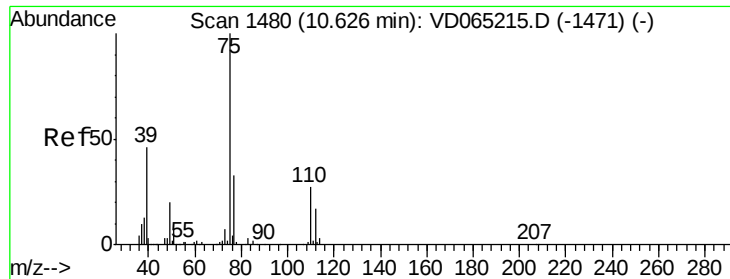
Delta R.T. -0.01 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion	92	Resp	38178
Ion	Ratio	Lower	Upper
92	100		
91	175.7	136.3	204.5





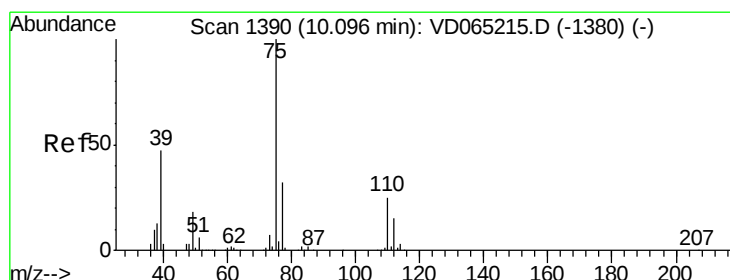
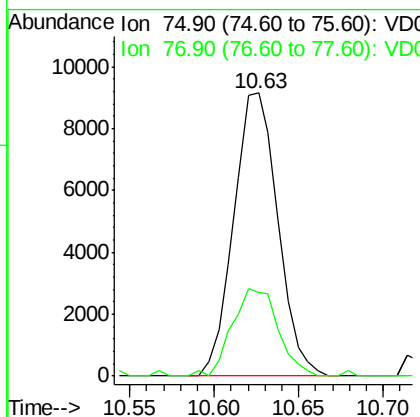
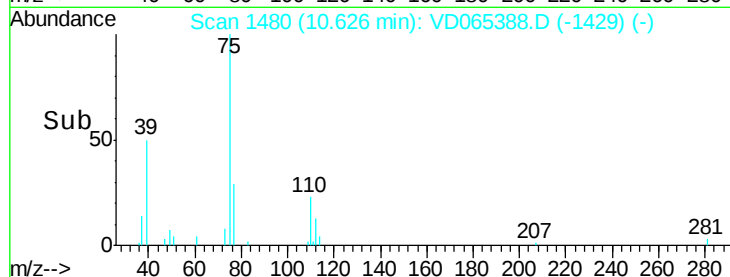
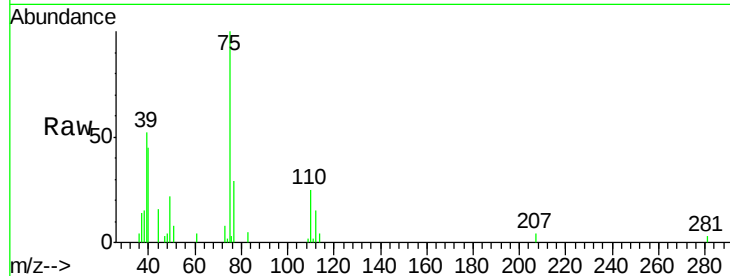
#53
t-1,3-Dichloropropene
Concen: 2.976 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	75	Resp	16620
Ion Ratio	Lower	Upper	
75	100		
77	29.4	26.6	40.0

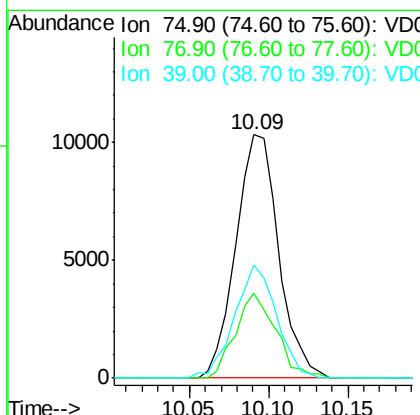
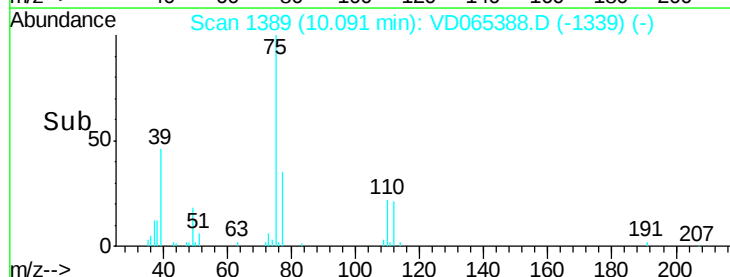
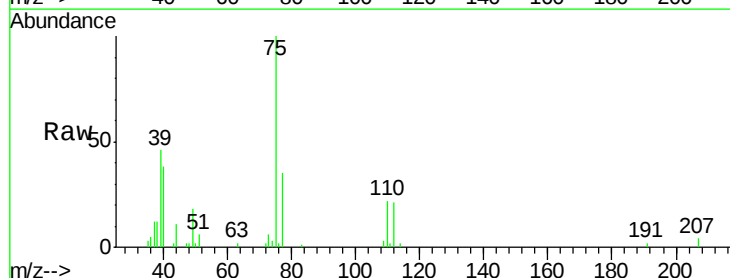
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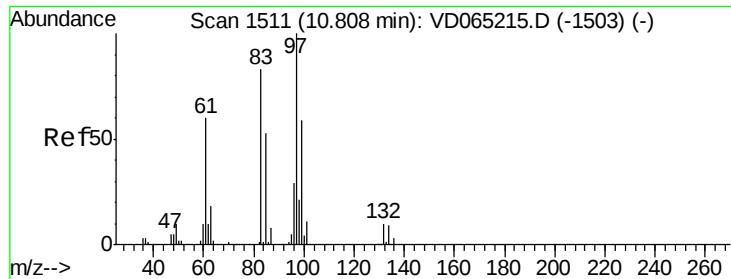
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3/4/2020 2:01:26 PM



#54
cis-1,3-Dichloropropene
Concen: 2.875 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	75	Resp	19385
Ion Ratio	Lower	Upper	
75	100		
77	35.0	25.8	38.8
39	46.2	37.3	55.9





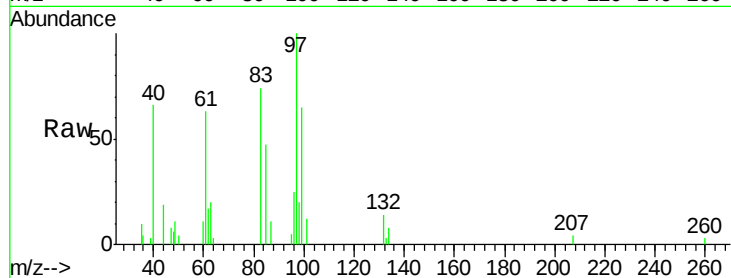
#55
 1,1,2-Trichloroethane
 Concen: 3.289 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

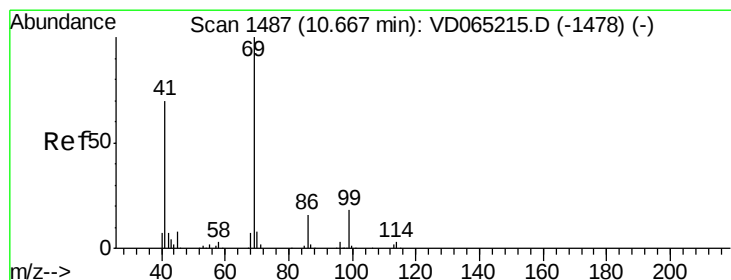
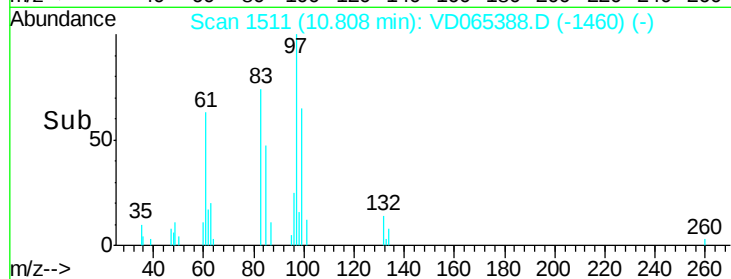
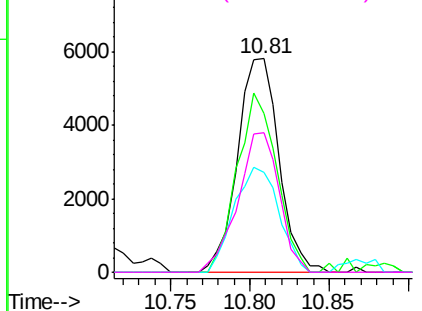
Tot Ion:	97	Resp:	10583
Ion	Ratio	Lower	Upper
97	100		
83	74.3	66.7	100.1
85	47.0	42.4	63.6
99	65.5	47.5	71.3

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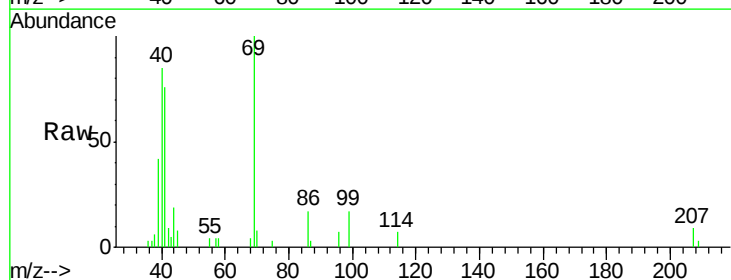


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

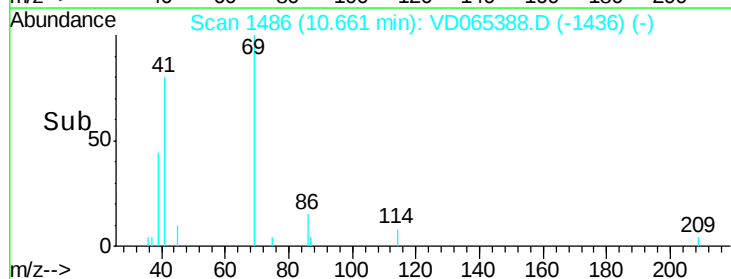
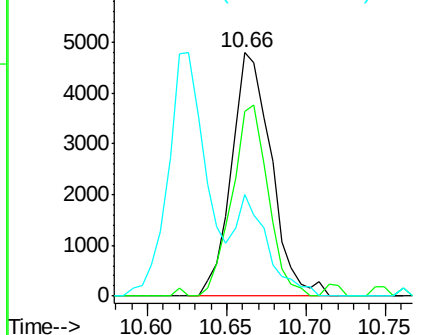


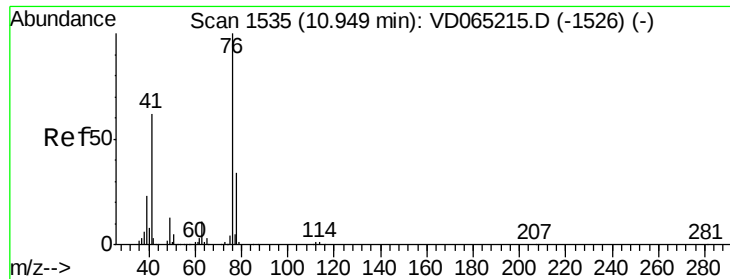
#56
 Ethyl methacrylate
 Concen: 2.252 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion:	69	Resp:	8363
Ion	Ratio	Lower	Upper
69	100		
41	71.4	54.6	81.8
39	33.7	26.5	39.7



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.00 (40.70 to 41.70): VDC
 Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 2.742 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampled :

VD0304

Tot Ion: 76 Resp: 15016

Ion Ratio Lower Upper

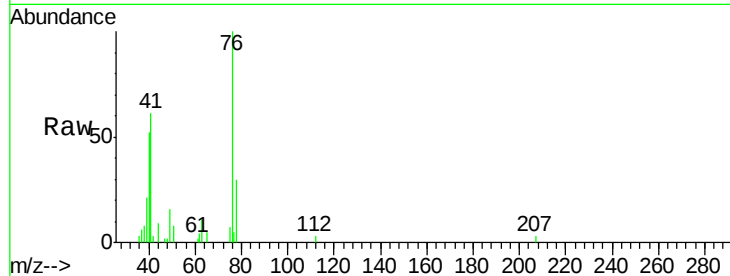
76 100

78 32.1 26.3 39.5

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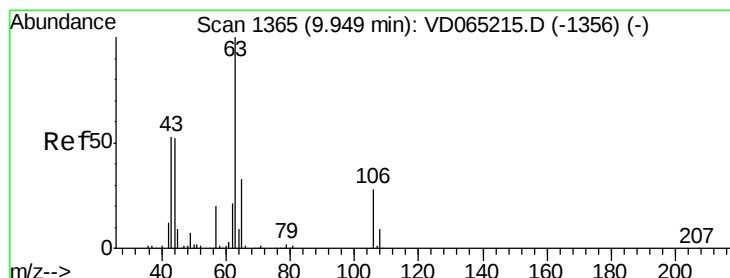
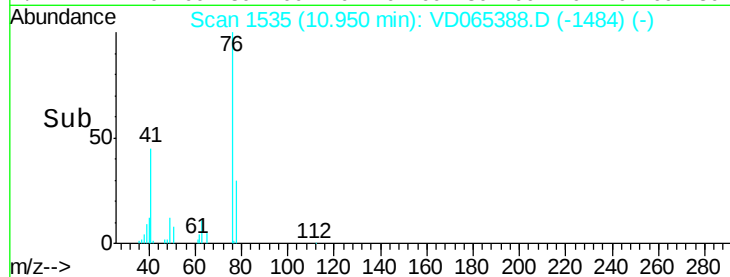
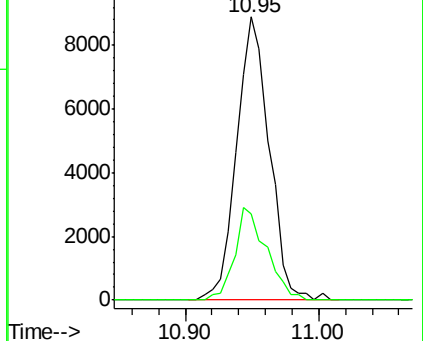
MMDadoda

3/4/2020 2:01:26 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 15.281 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065388.D

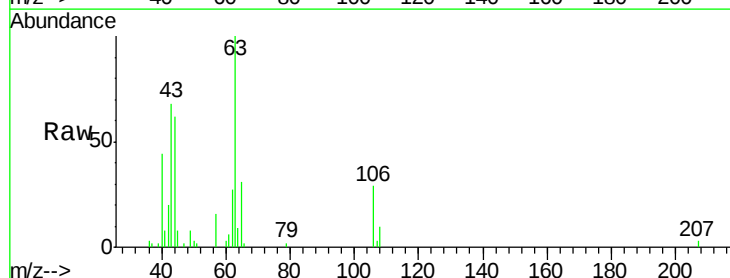
Acq: 03 Mar 2020 12:15

Tgt Ion: 63 Resp: 17893

Ion Ratio Lower Upper

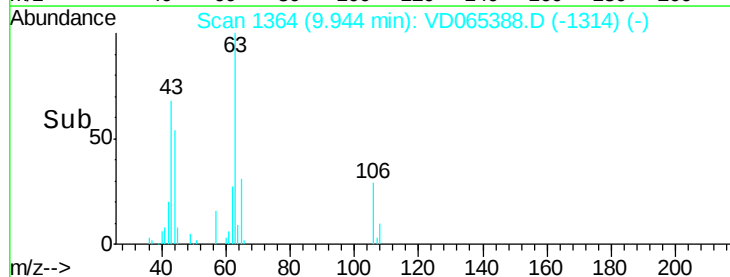
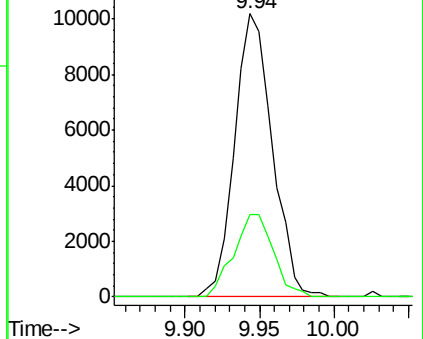
63 100

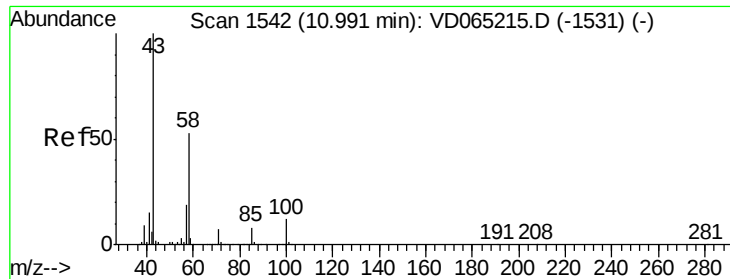
106 30.6 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





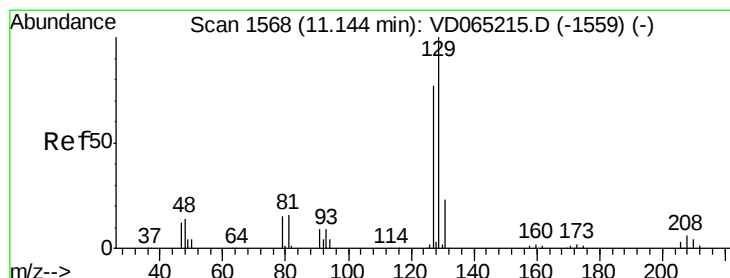
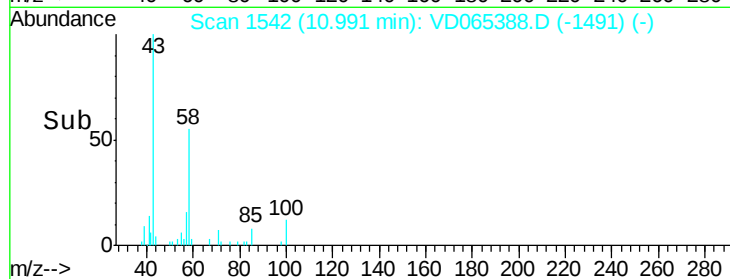
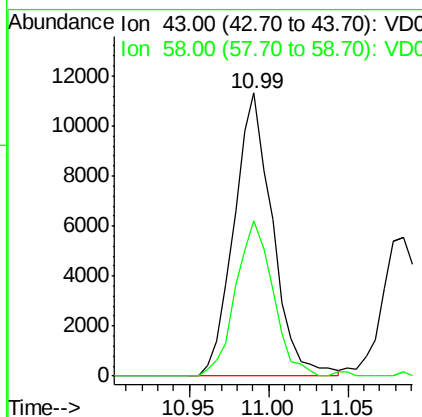
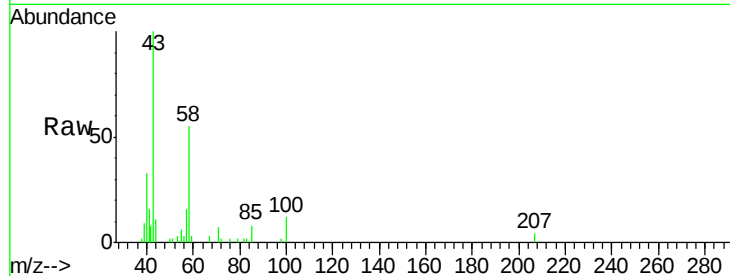
#59
2-Hexanone
Concen: 10.903 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion: 43 Resp: 19079
Ion Ratio Lower Upper
43 100
58 52.9 26.3 78.8

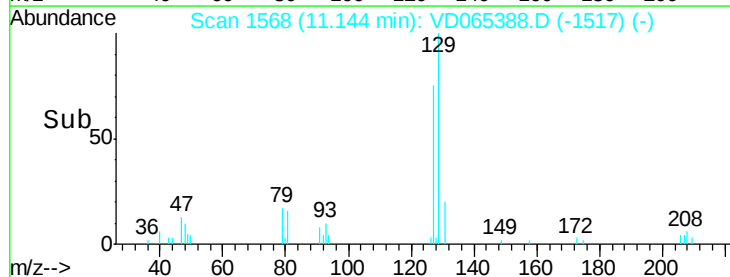
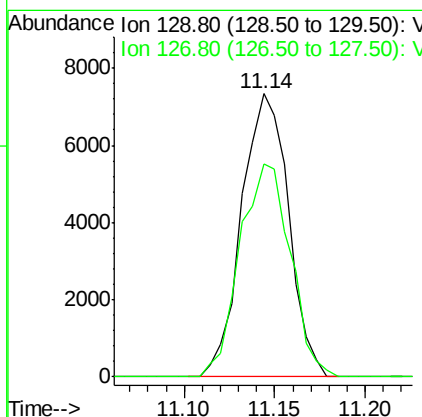
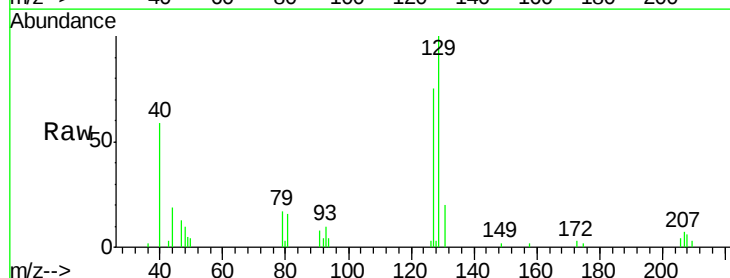
Manual Integrations
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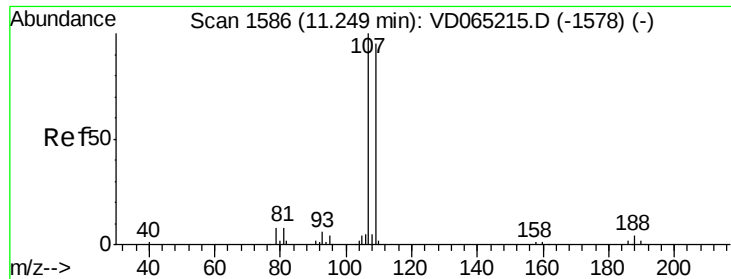
MMDadoda
3/4/2020 2:01:26 PM



#60
Dibromochloromethane
Concen: 3.207 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 129 Resp: 13208
Ion Ratio Lower Upper
129 100
127 81.1 38.7 116.1





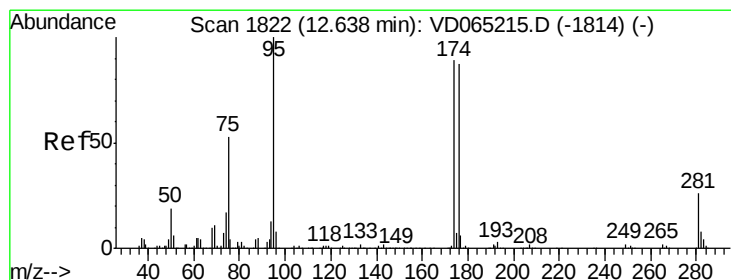
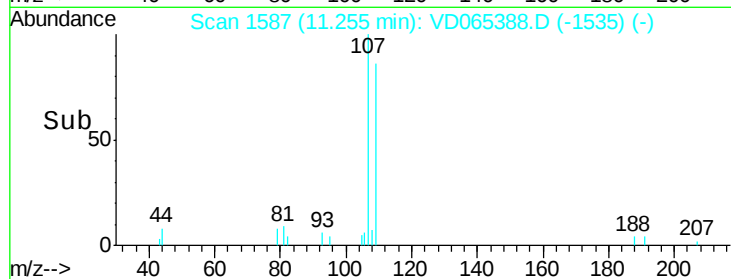
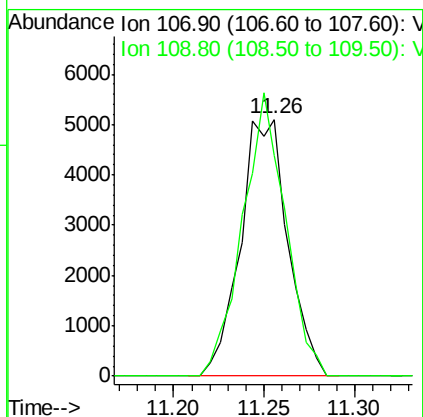
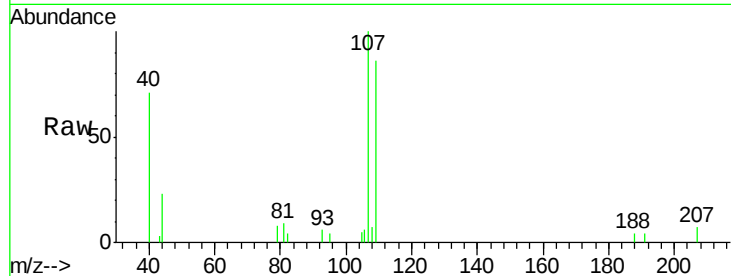
#61
 1,2-Dibromoethane
 Concen: 3.053 ug/l
 RT: 11.26 min Scan# 1587
 Delta R.T. 0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

Tot Ion: 107 Resp: 9302
 Ion Ratio Lower Upper
 107 100
 109 99.5 76.2 114.4

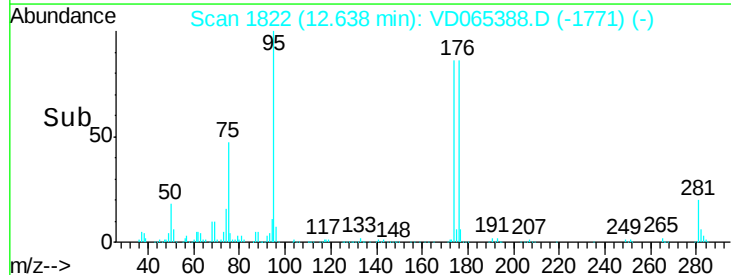
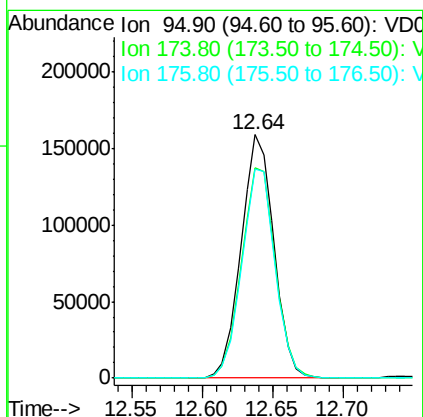
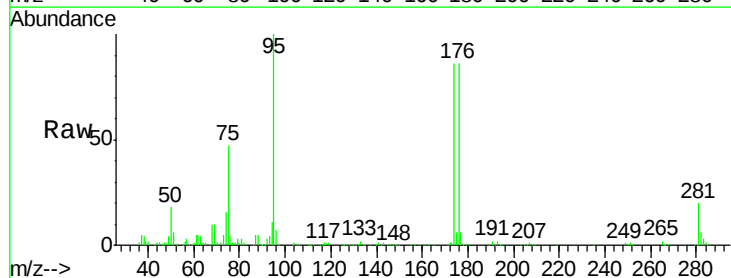
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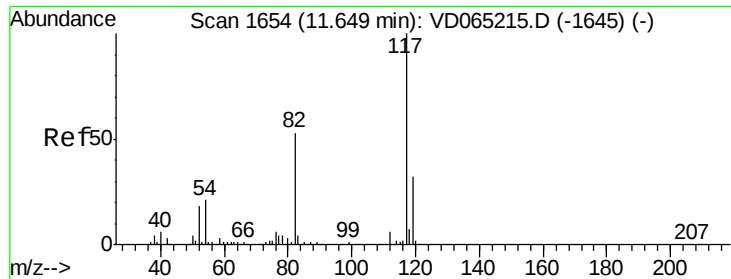
MMDadoda
 3/4/2020 2:01:26 PM



#62
 4-Bromofluorobenzene
 Concen: 53.829 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion: 95 Resp: 258627
 Ion Ratio Lower Upper
 95 100
 174 89.1 0.0 178.0
 176 87.4 0.0 174.4





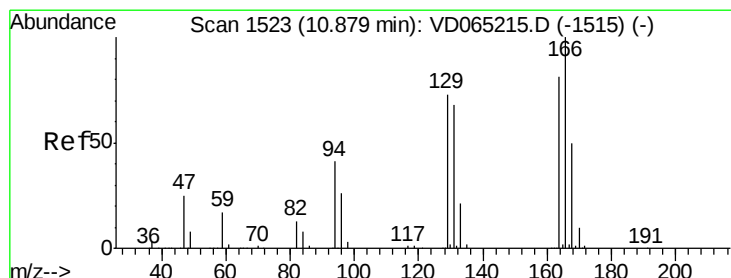
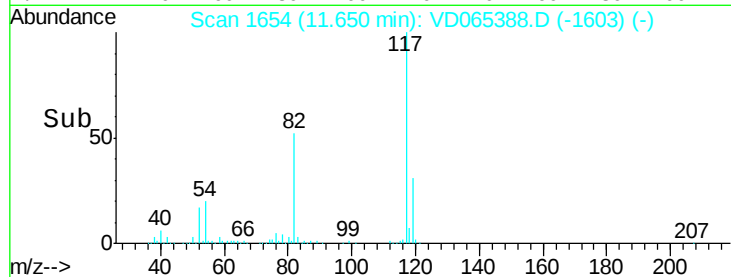
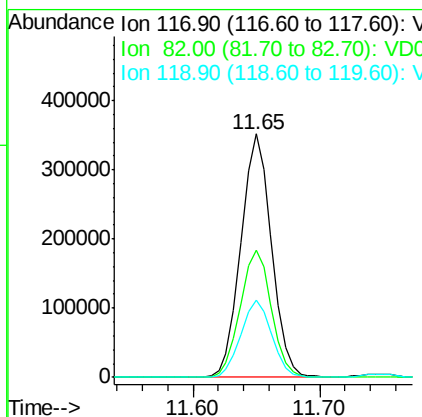
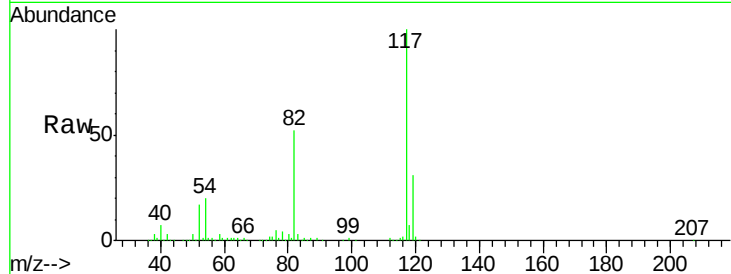
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Resp	Lower	Upper
117	100	589689		
82	52.0		42.7	64.1
119	31.5		25.5	38.3

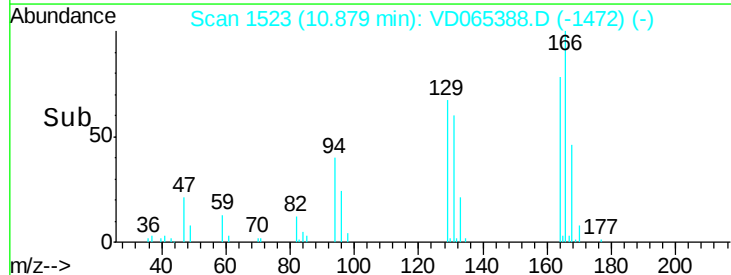
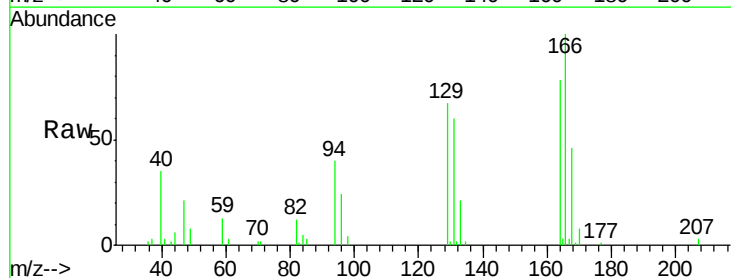
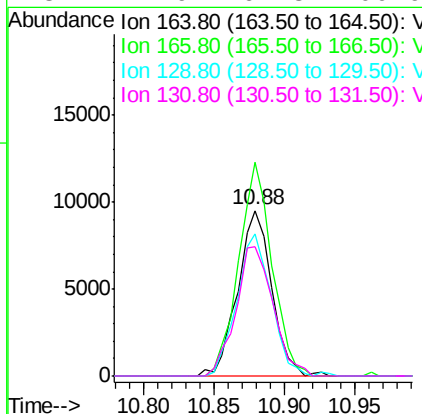
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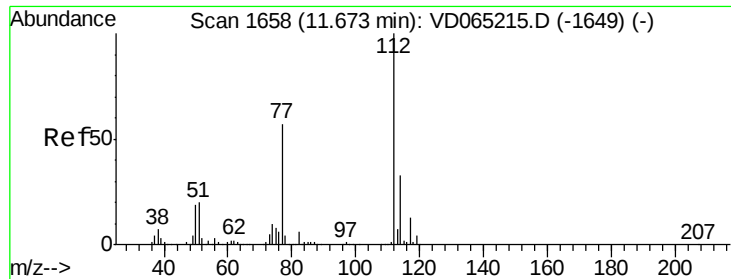
MMDadoda
3/4/2020 2:01:26 PM



#64
Tetrachloroethene
Concen: 3.848 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	16094		
166	129.0		98.4	147.6
129	86.1		71.6	107.4
131	77.9		67.3	100.9





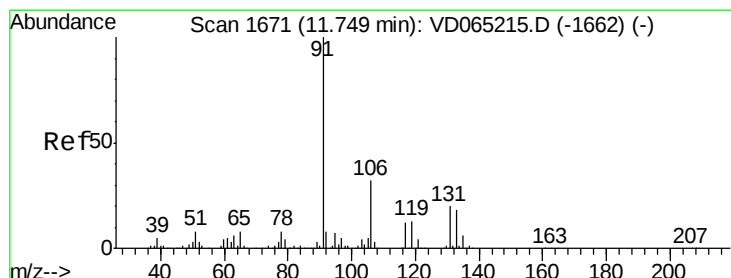
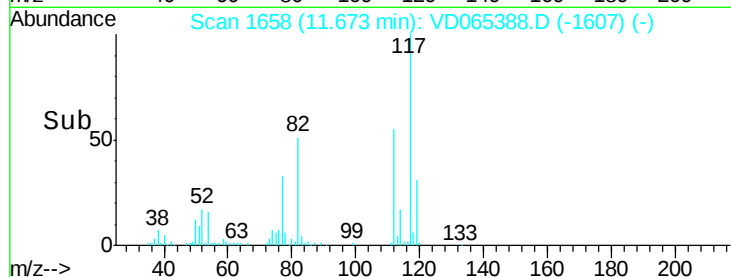
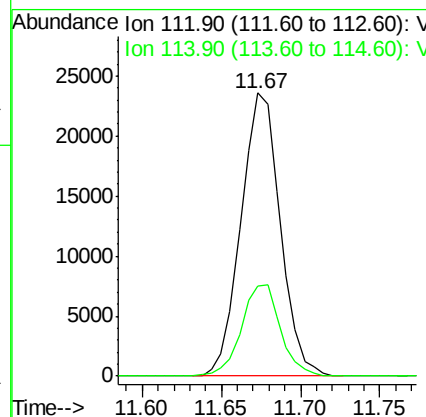
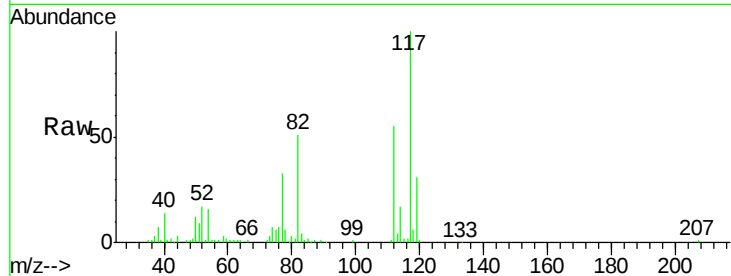
#65
Chlorobenzene
Concen: 3.431 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampled :
VD0304

Tot Ion:112 Resp: 40606
Ion Ratio Lower Upper
112 100
114 31.6 26.4 39.6

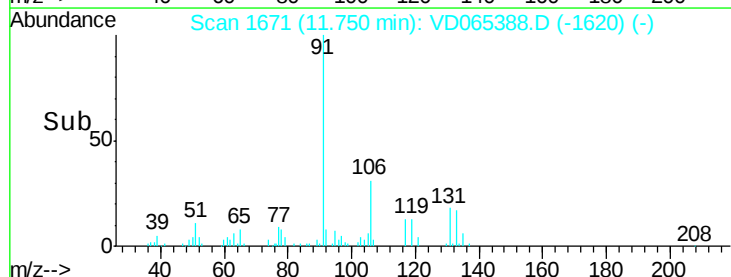
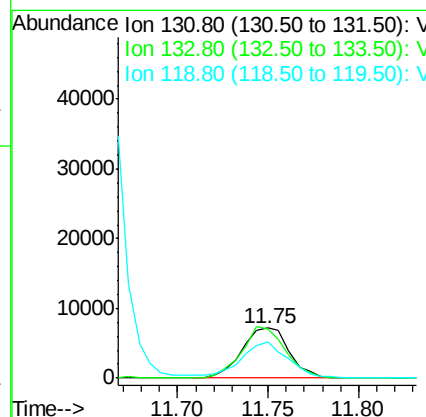
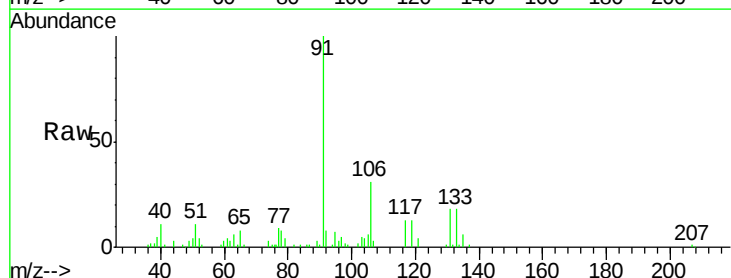
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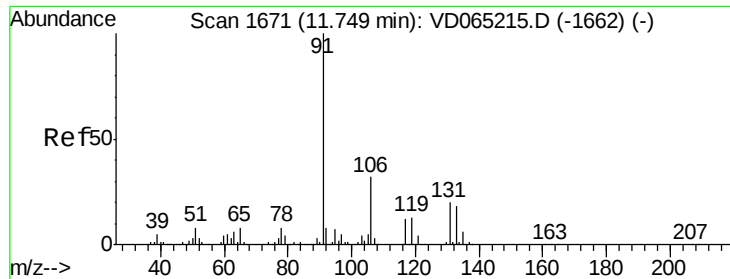
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.942 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:131 Resp: 12991
Ion Ratio Lower Upper
131 100
133 95.1 47.7 143.1
119 72.3 32.7 98.1





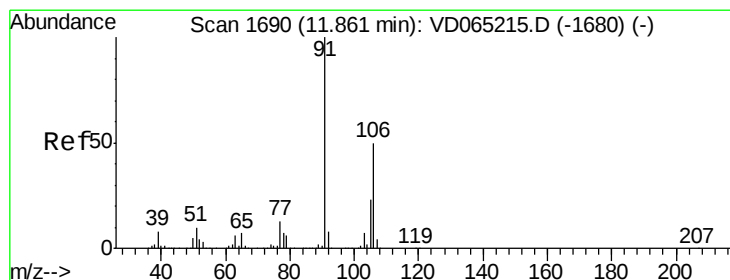
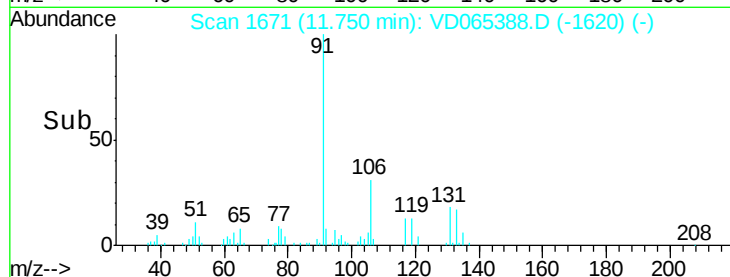
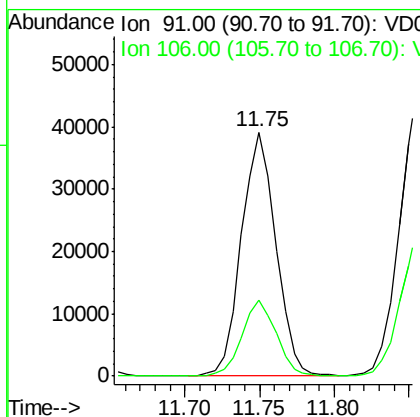
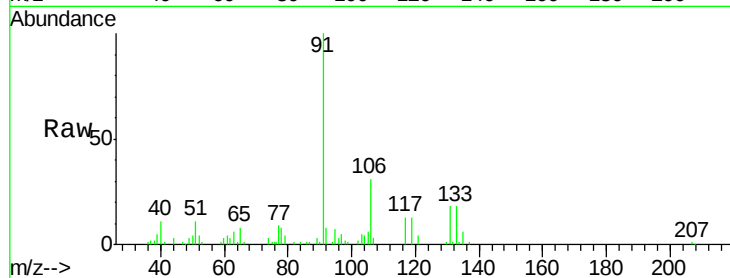
#67
Ethyl Benzene
Concen: 3.026 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampled :
VD0304

Tot Ion: 91 Resp: 62713
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

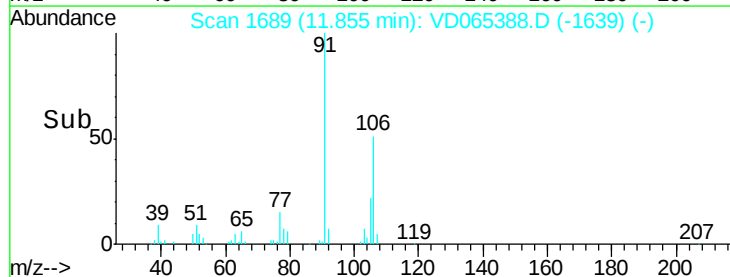
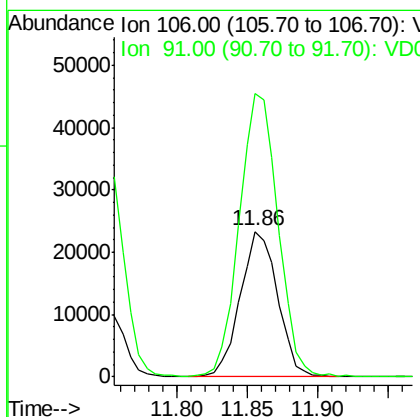
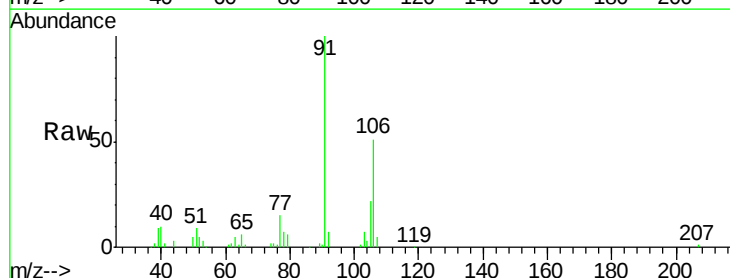
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3/4/2020 2:01:26 PM



#68
m/p-Xylenes
Concen: 5.475 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion: 106 Resp: 43416
Ion Ratio Lower Upper
106 100
91 201.4 158.2 237.4





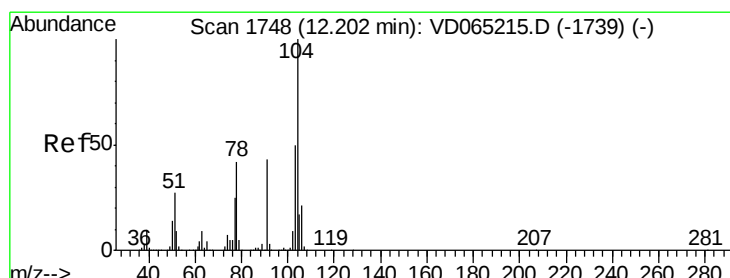
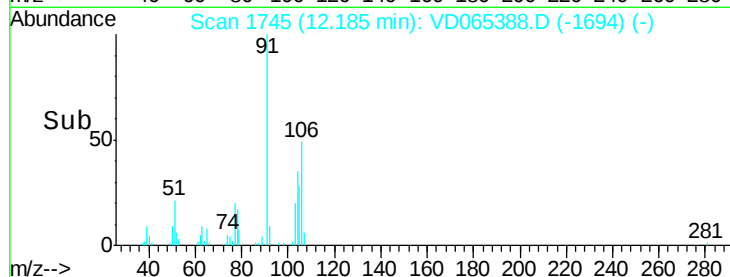
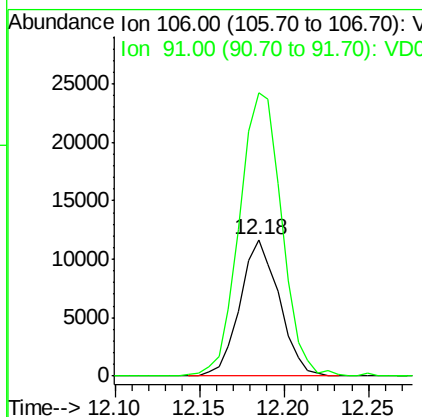
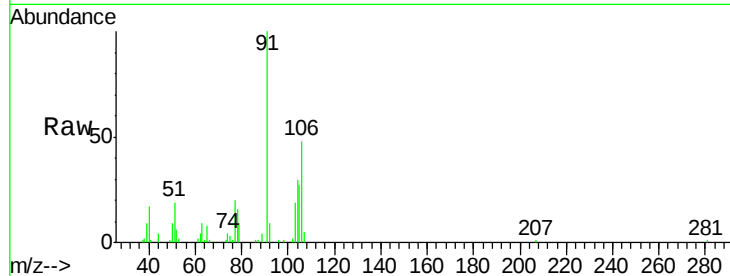
#69
o-Xylene
Concen: 2.681 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion:106 Resp: 18832
Ion Ratio Lower Upper
106 100
91 224.6 104.7 313.9

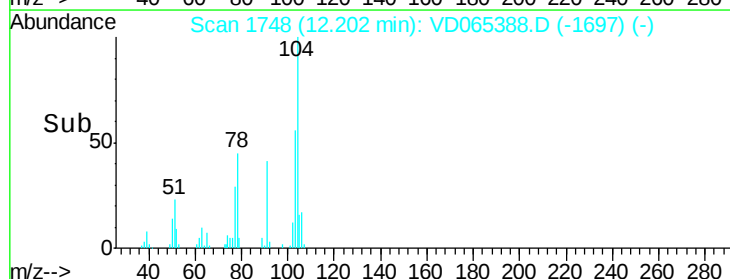
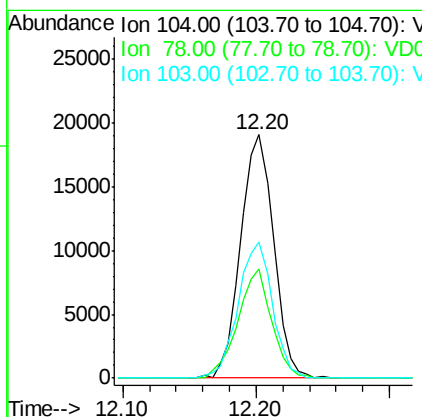
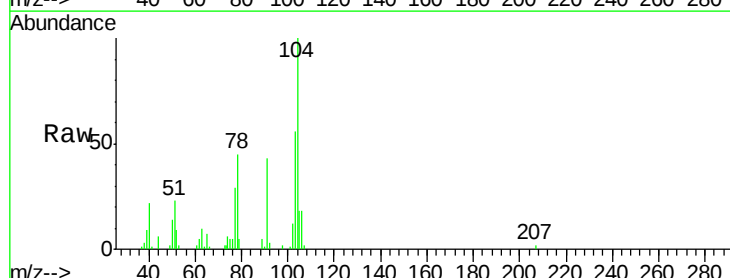
Manual Integrations
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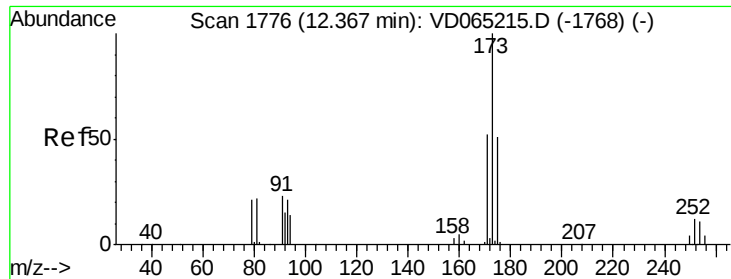
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3/4/2020 2:01:26 PM



#70
Styrene
Concen: 2.616 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:104 Resp: 32633
Ion Ratio Lower Upper
104 100
78 45.8 37.8 56.6
103 57.7 43.4 65.2





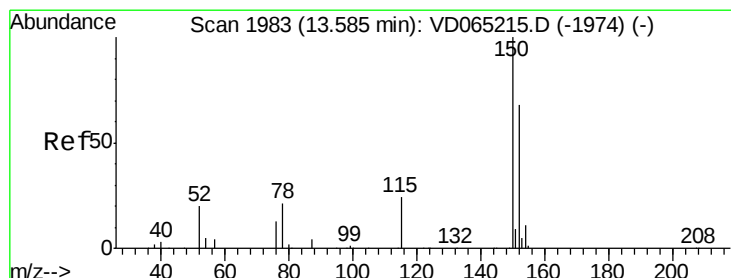
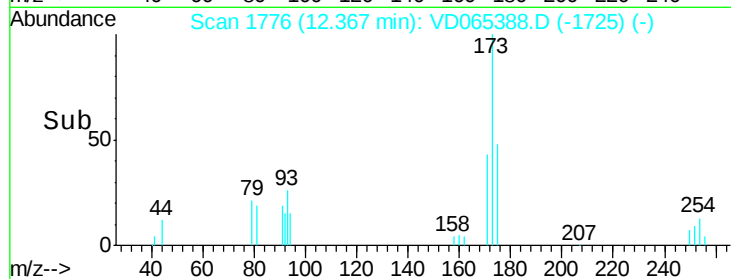
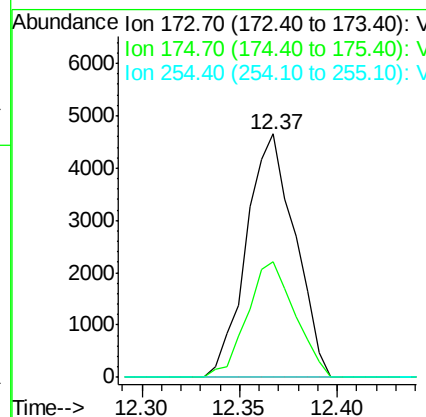
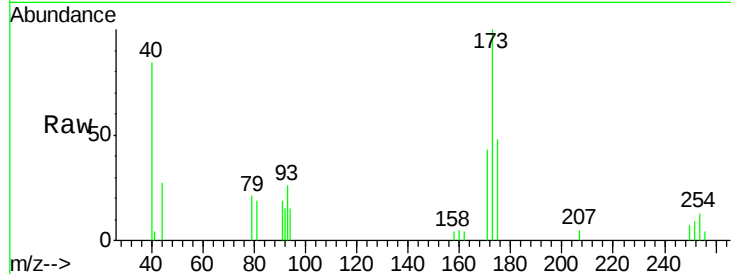
#71
Bromoform
Concen: 3.272 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
173	100		
175	46.7	24.4	73.4
254	0.0	0.0	0.0

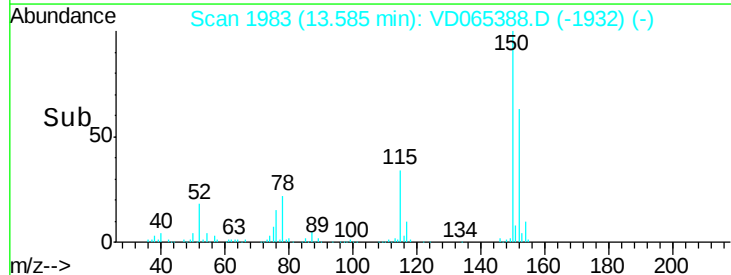
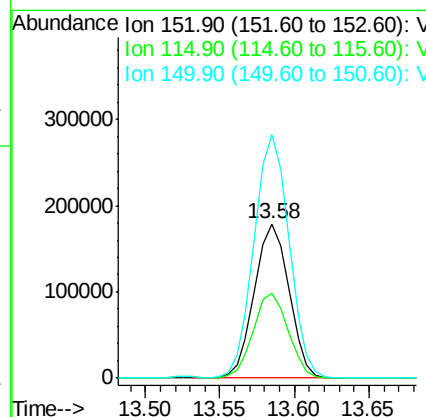
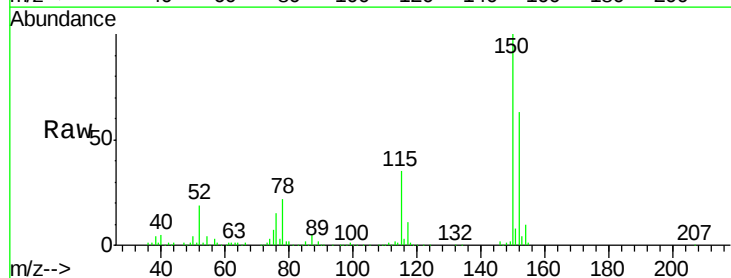
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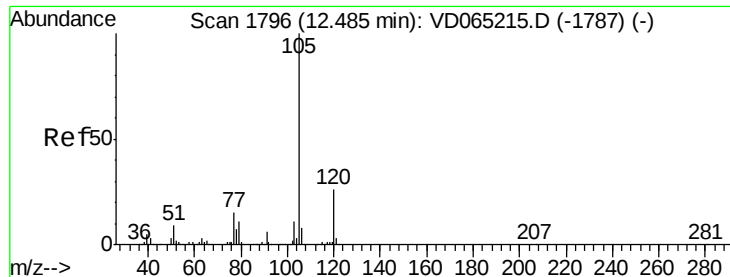
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	27.6	82.8
150	159.1	0.0	347.4





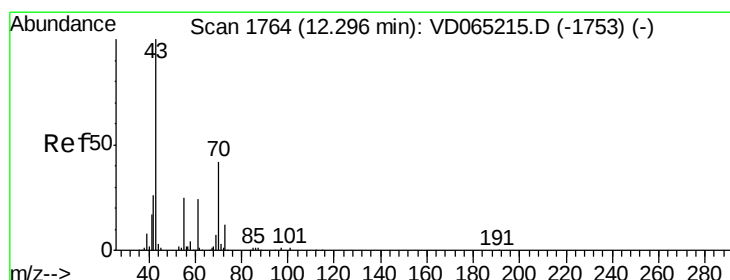
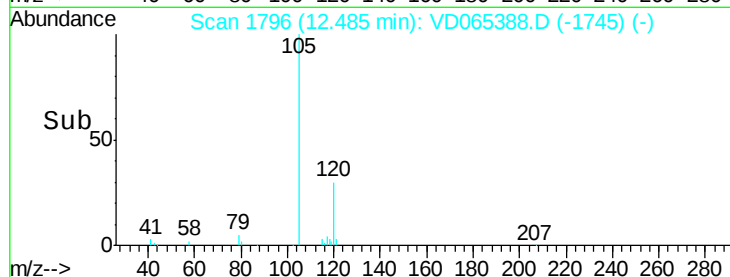
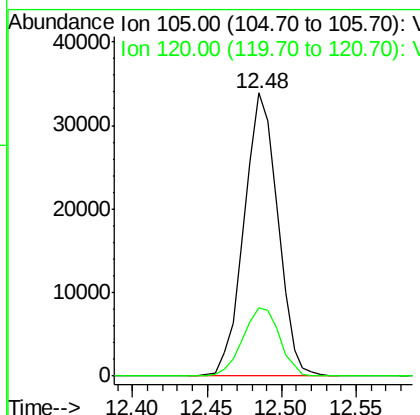
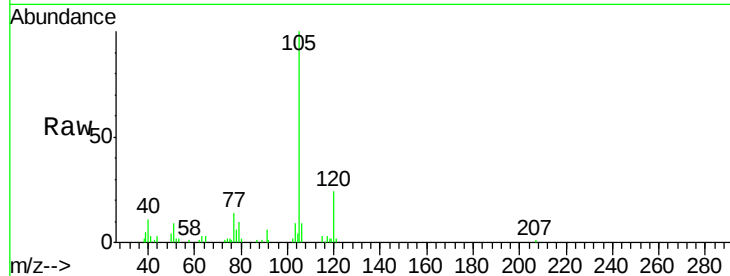
#73
Isopropylbenzene
Concen: 2.773 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.3	39.9

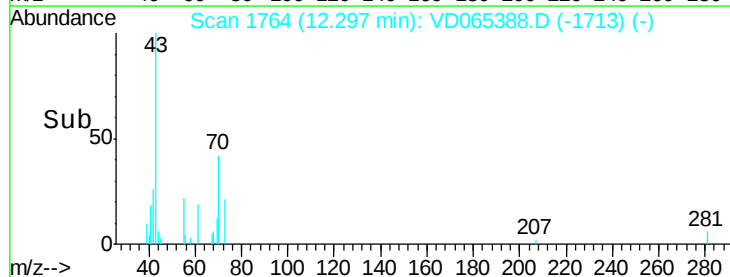
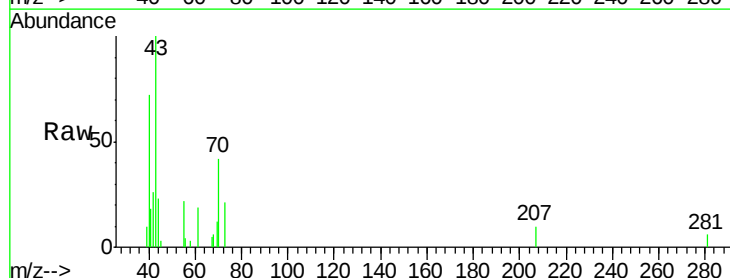
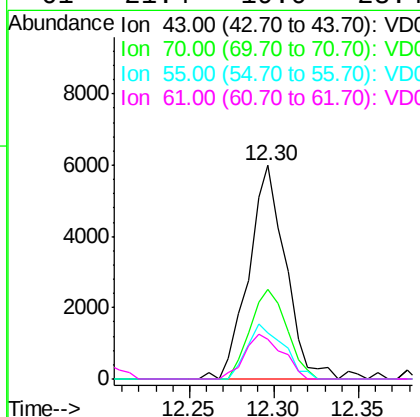
Manual Integrations
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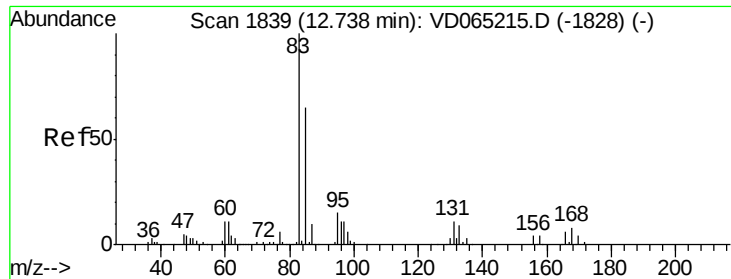
MMDadoda
3/4/2020 2:01:26 PM



#74
N-ethyl acetate
Concen: 2.140 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
43	100		
70	41.7	33.7	50.5
55	25.6	20.7	31.1
61	21.4	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 3.473 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

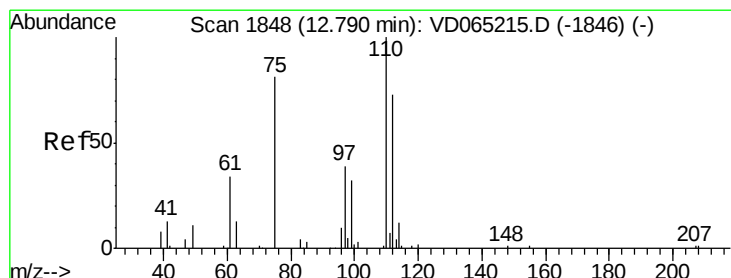
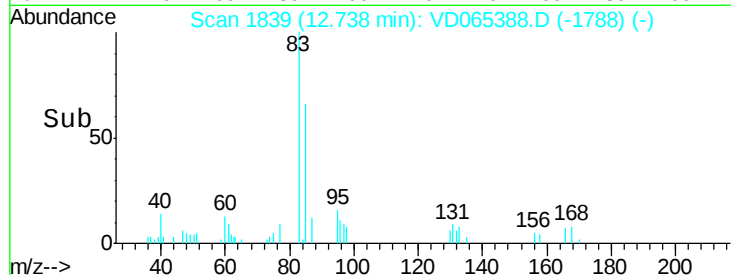
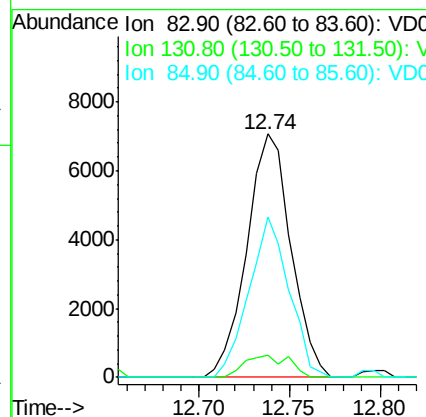
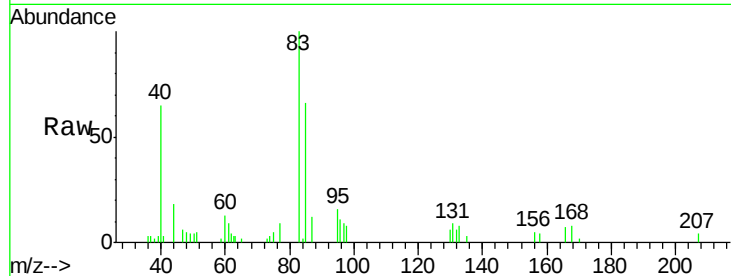
ClientSampleId :

VD0304

Tot Ion:	83	Resp:	11968
Ion Ratio	Lower	Upper	
83	100		
131	9.1	5.4	16.2
85	59.6	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 3.650 ug/l m

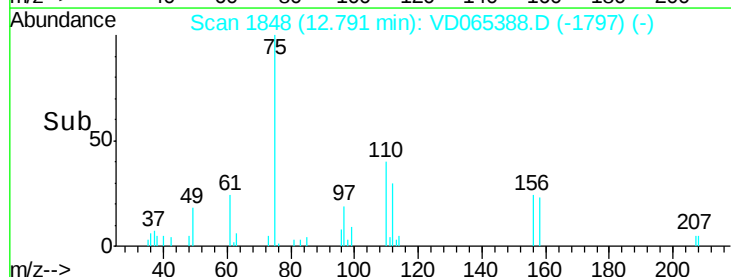
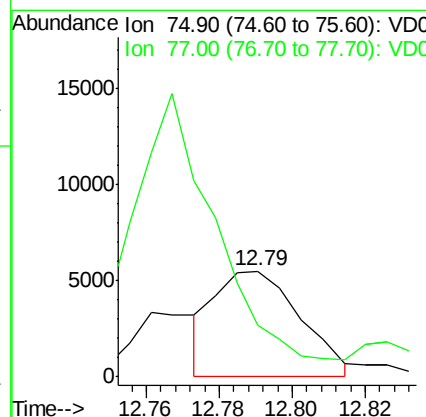
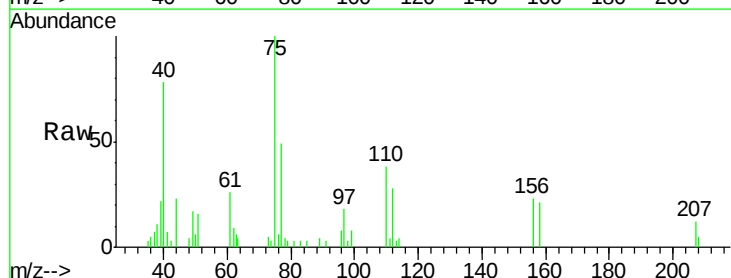
RT: 12.79 min Scan# 1848

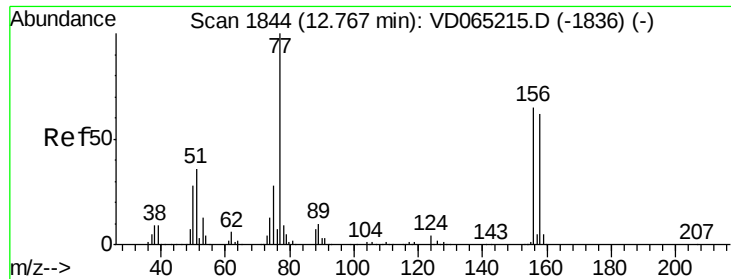
Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:	75	Resp:	8958
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





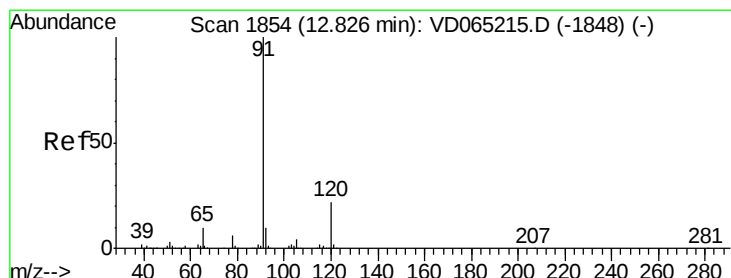
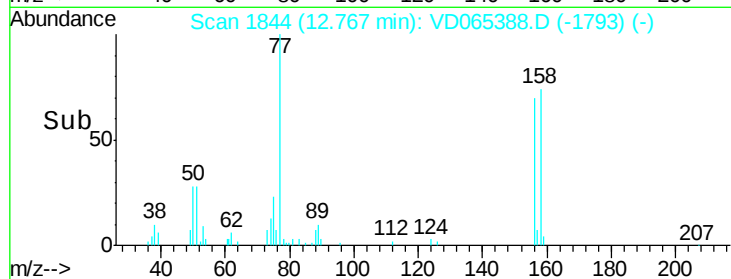
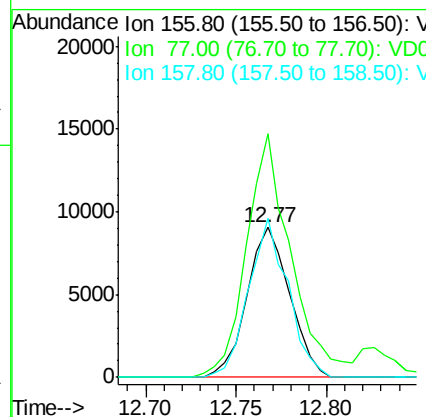
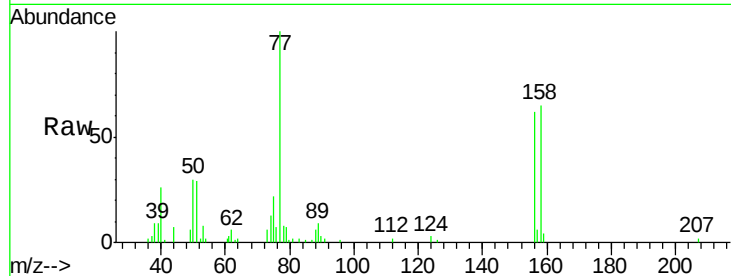
#77
Bromobenzene
Concen: 3.129 ug/l
RT: 12.77 min Scan# 1844
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.2	86.6	259.7
158	97.5	48.1	144.3

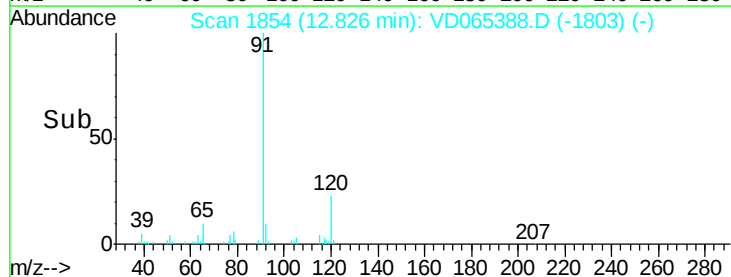
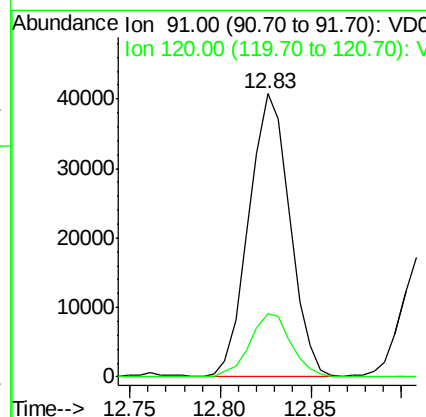
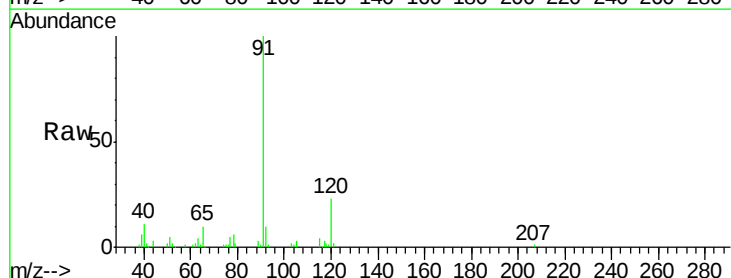
Manual Integrations
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3/4/2020 2:01:26 PM



#78
n-propylbenzene
Concen: 2.812 ug/l
RT: 12.83 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 2.669 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

ClientSampleId :

VD0304

Tot Ion: 91 Resp: 34311

Ion Ratio Lower Upper

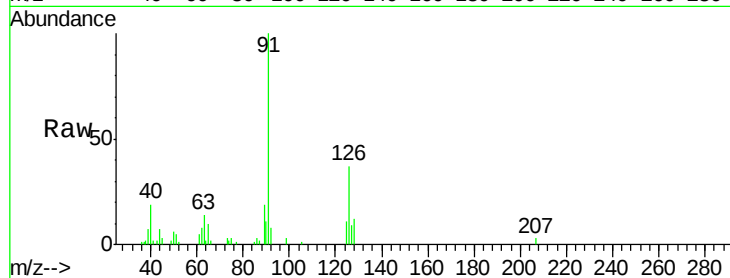
91 100

126 36.5 17.5 52.6

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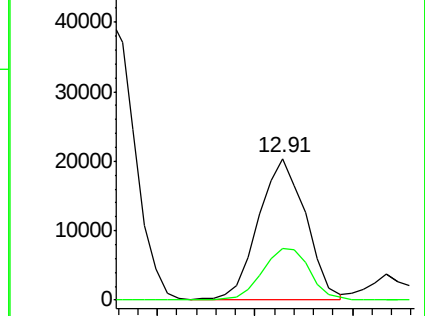
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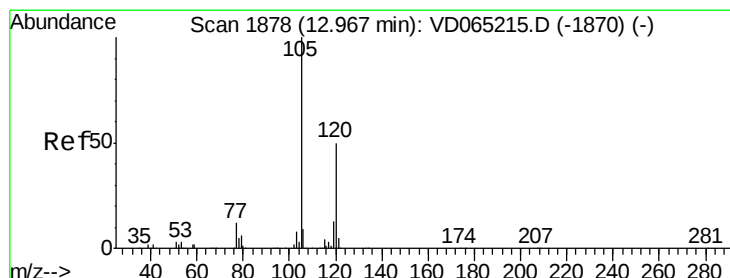
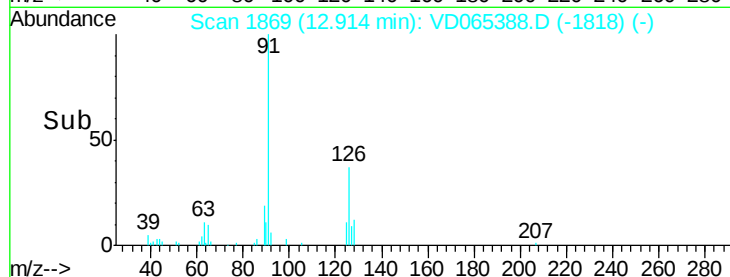


Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 2.892 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065388.D

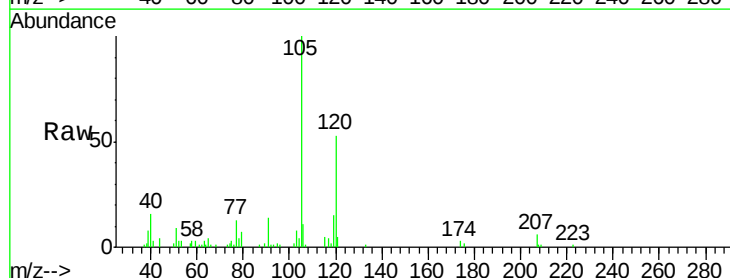
Acq: 03 Mar 2020 12:15

Tgt Ion: 105 Resp: 45481

Ion Ratio Lower Upper

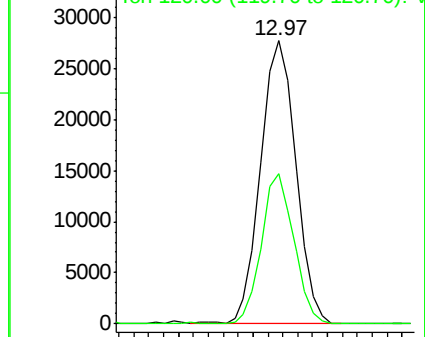
105 100

120 48.4 25.4 76.4

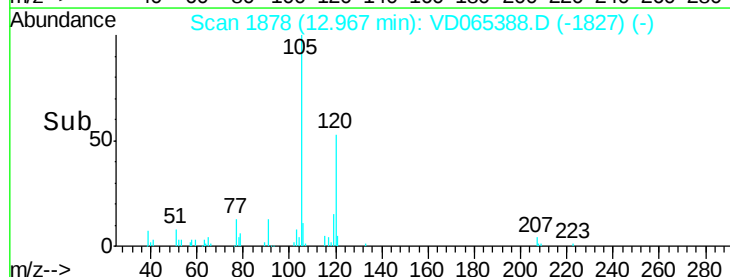


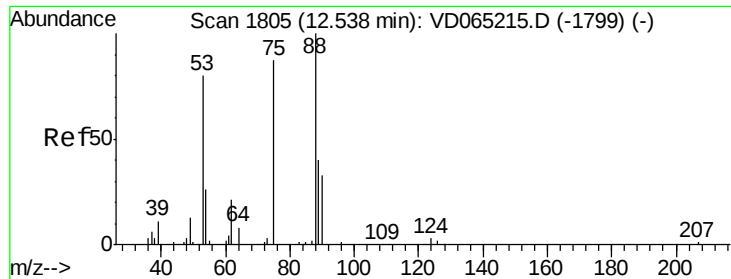
Abundance Ion 105.00 (104.70 to 105.70): VD065215.D (-1870) (-)

Ion 120.00 (119.70 to 120.70): VD065215.D (-1870) (-)



Time-->





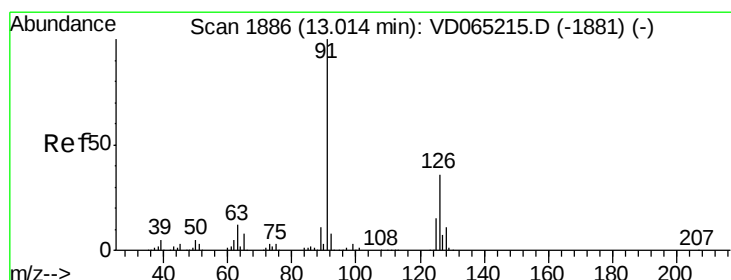
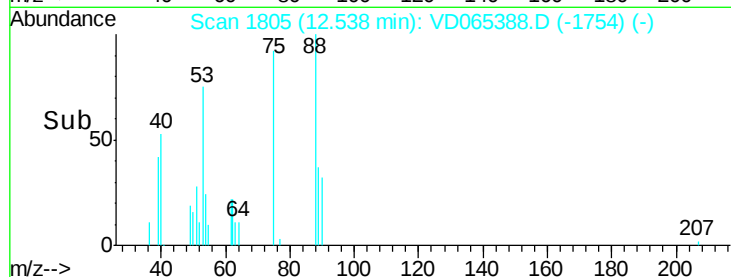
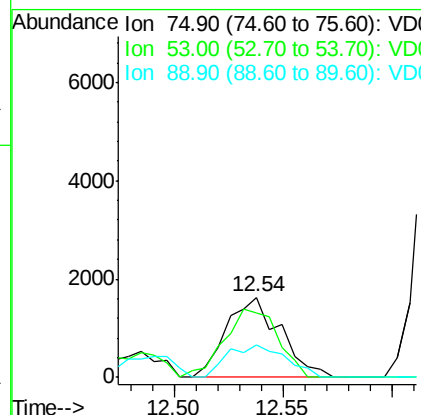
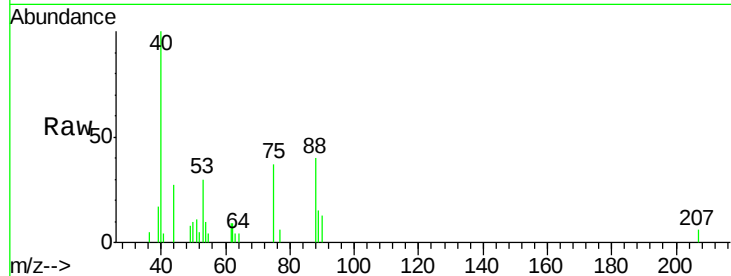
#81
trans-1,4-Dichloro-2-butene
Concen: 2.466 ug/l m
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	77.6	116.4#
89	6.9	37.2	55.8#

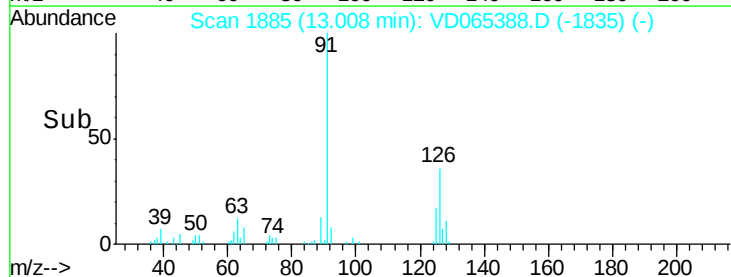
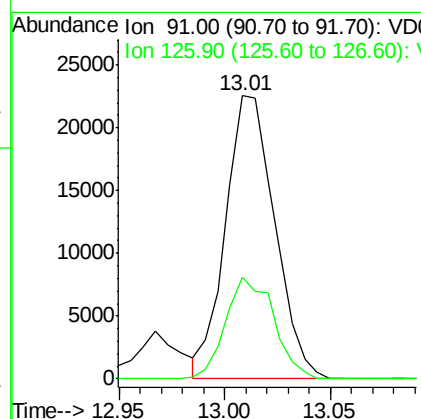
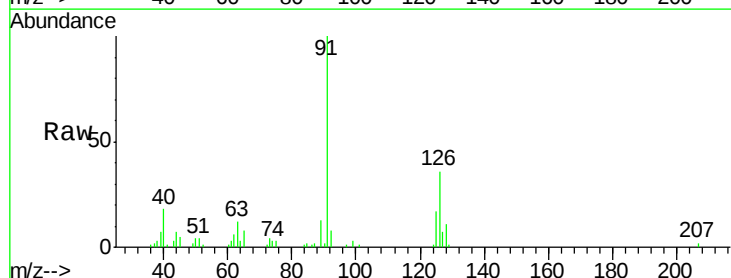
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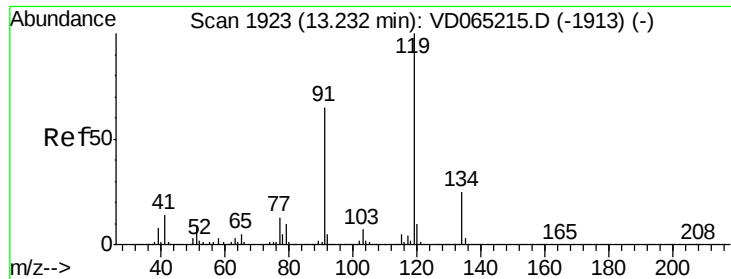
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3/4/2020 2:01:26 PM



#82
4-Chlorotoluene
Concen: 2.666 ug/l
RT: 13.01 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3





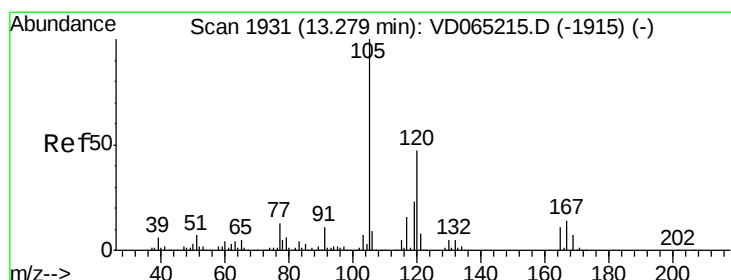
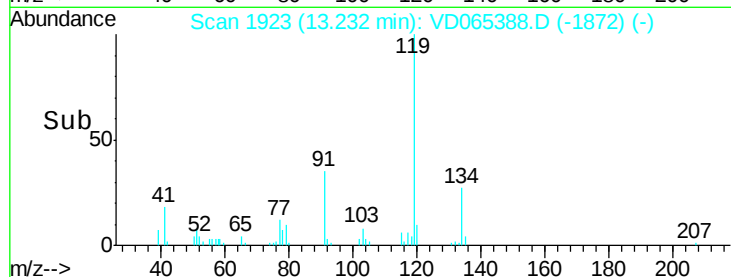
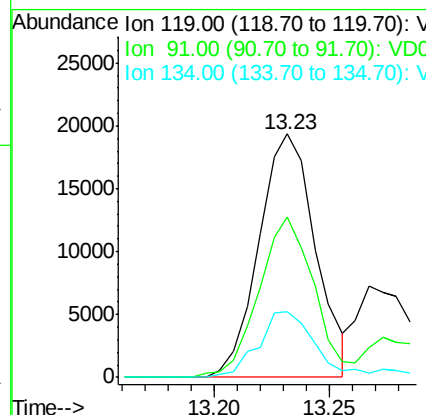
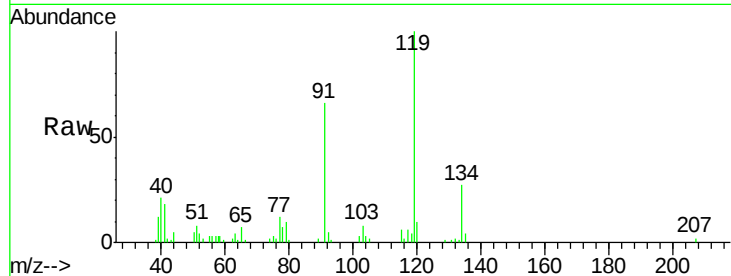
#83
tert-Butylbenzene
Concen: 2.499 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	31.9	95.5
134	27.0	13.8	41.3

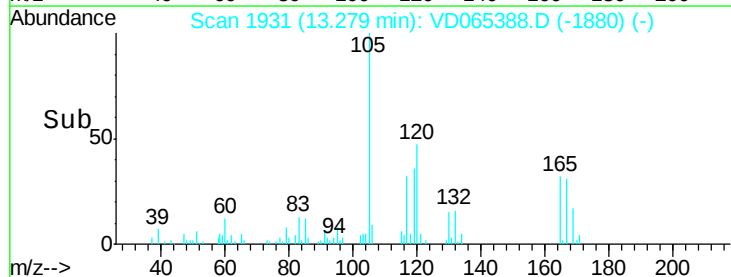
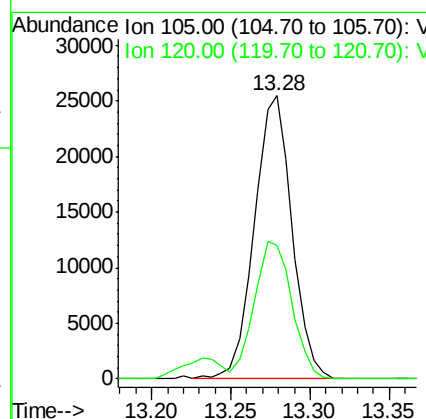
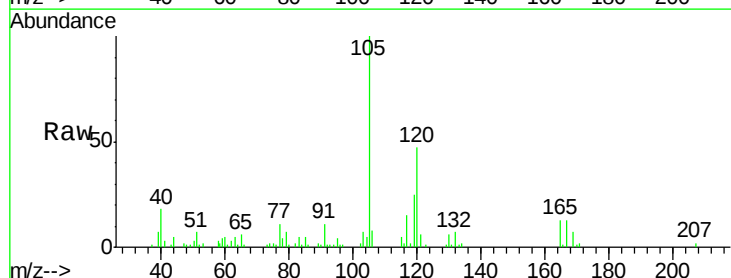
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3/4/2020 2:01:26 PM



#84
1,2,4-Trimethylbenzene
Concen: 2.663 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.3	69.9





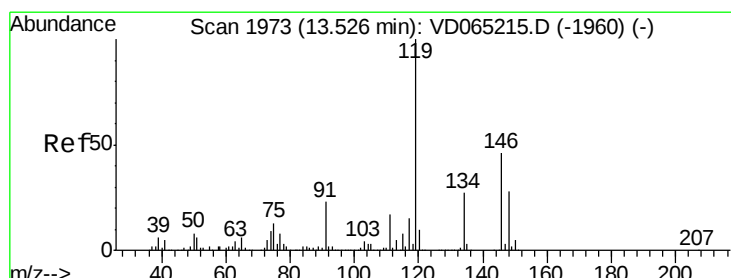
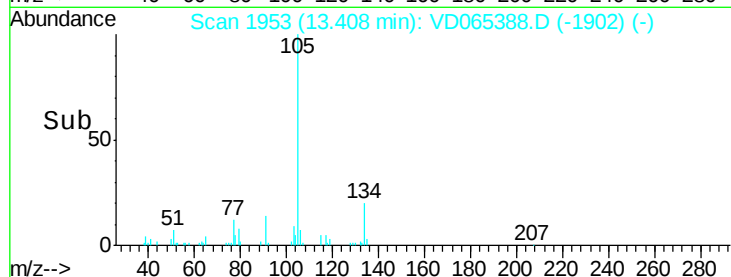
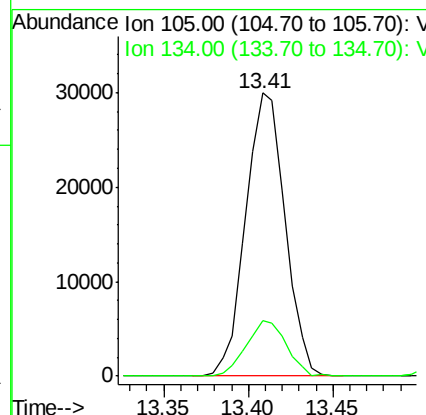
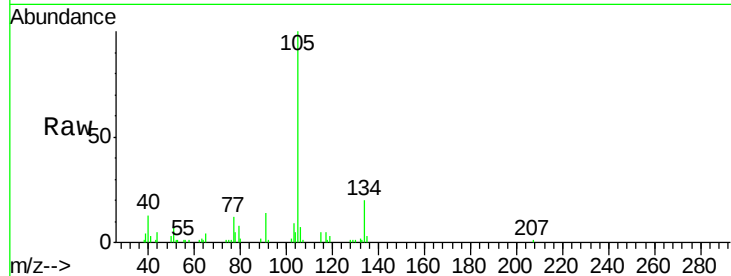
#85
 sec-Butylbenzene
 Concen: 2.564 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.8	10.3	30.9

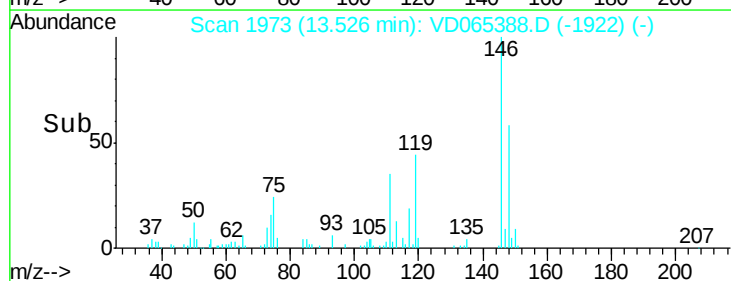
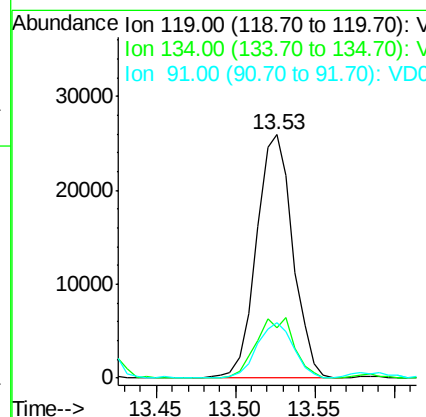
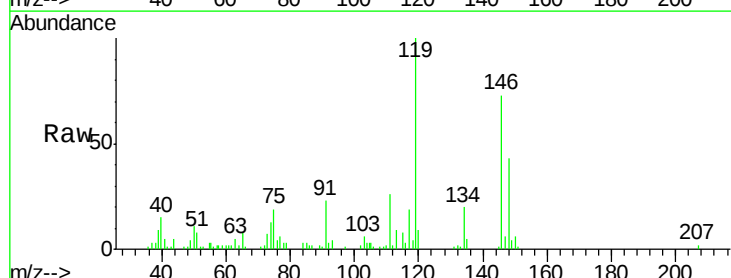
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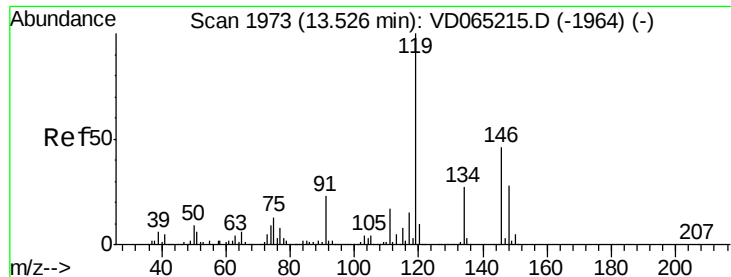
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 3/4/2020 2:01:26 PM



#86
 p-Isopropyltoluene
 Concen: 2.383 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.3	39.8
91	22.8	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 3.308 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Instrument :

MSVOA_D

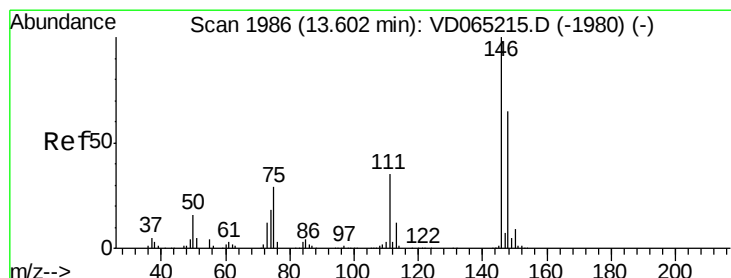
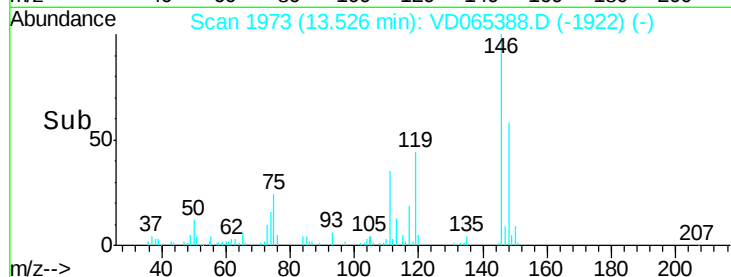
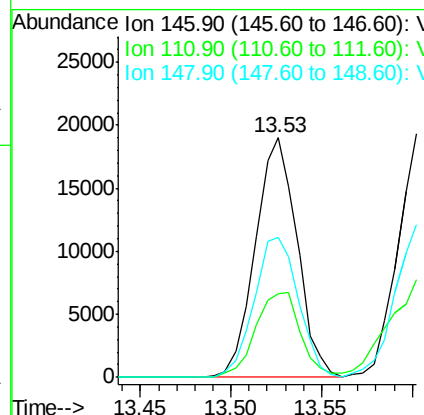
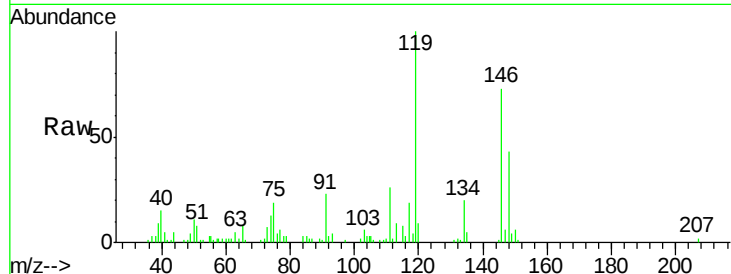
ClientSampled :

VD0304

Tot Ion:	146	Resp:	30323
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.6	55.8
148	62.1	31.4	94.3

Manual Integrations
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3/4/2020 2:01:26 PM



#88

1,4-Dichlorobenzene

Concen: 3.523 ug/l

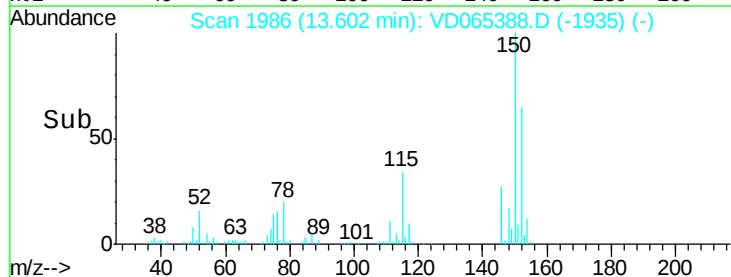
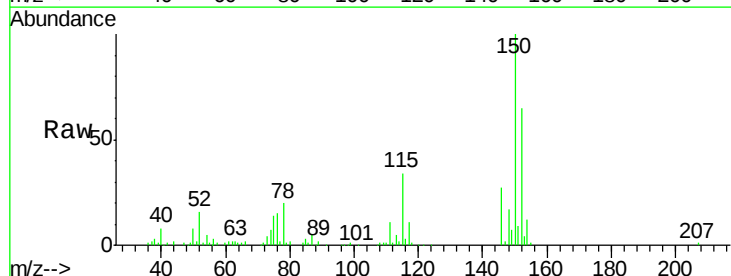
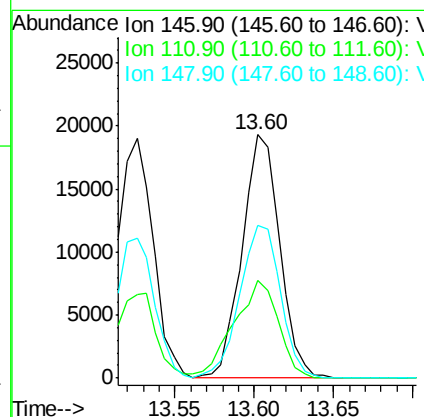
RT: 13.60 min Scan# 1986

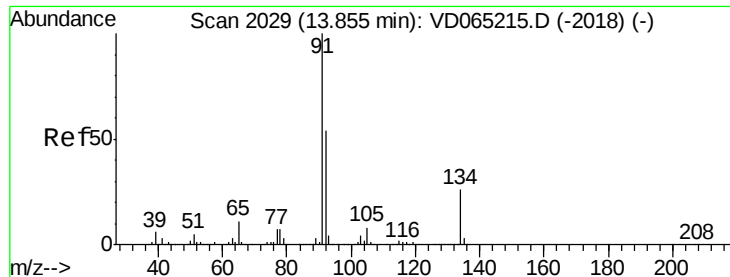
Delta R.T. 0.00 min

Lab File: VD065388.D

Acq: 03 Mar 2020 12:15

Tgt Ion:	146	Resp:	31868
Ion Ratio	Lower	Upper	
146	100		
111	47.2	18.4	55.2
148	68.0	32.1	96.5





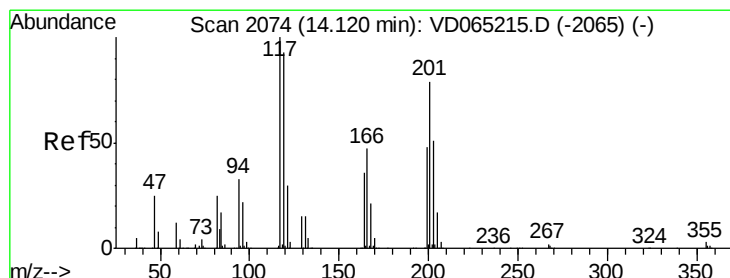
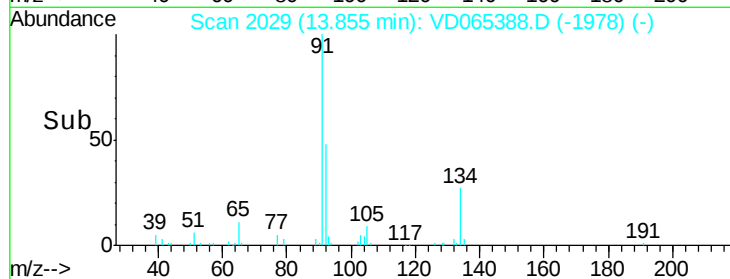
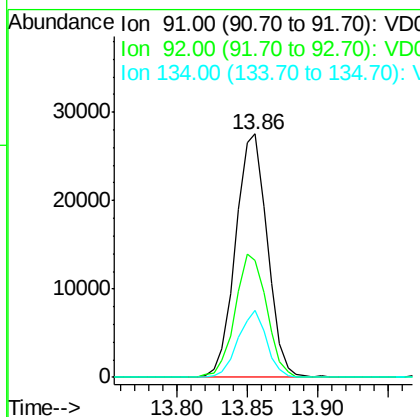
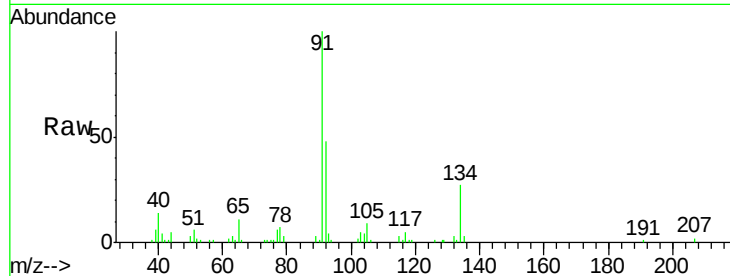
#89
n-Butylbenzene
Concen: 2.702 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion	Ratio	Lower	Upper
91	100		
92	50.2	27.0	80.8
134	24.7	13.5	40.4

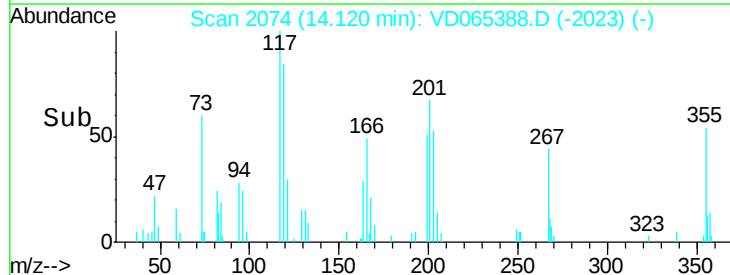
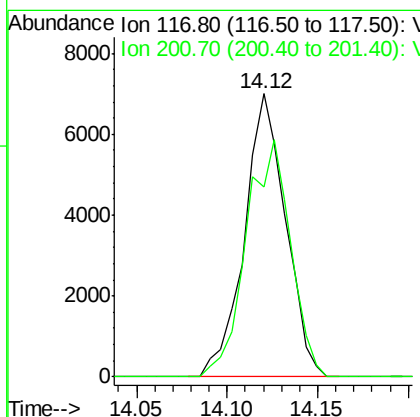
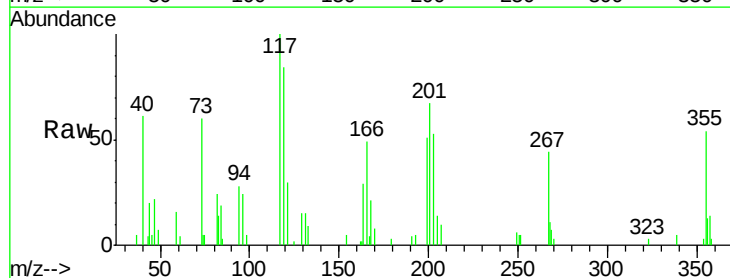
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#90
Hexachloroethane
Concen: 3.137 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
117	100		
201	90.0	41.3	124.1





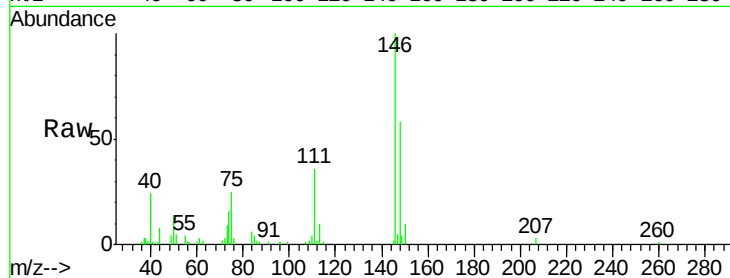
#91
 1,2-Dichlorobenzene
 Concen: 3.393 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

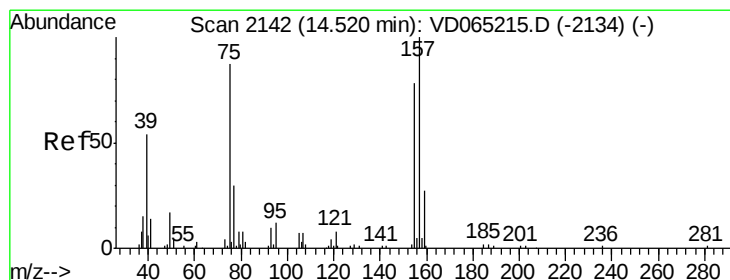
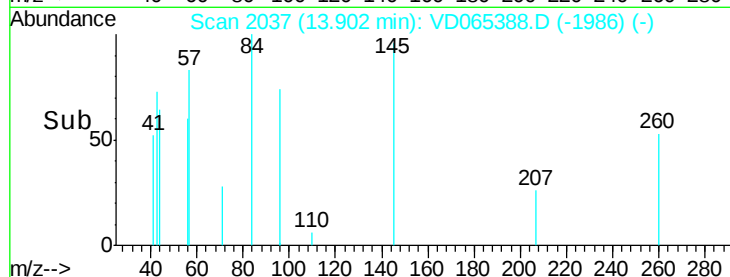
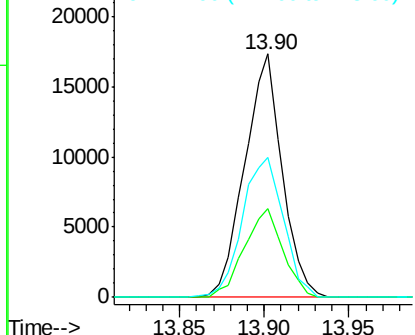
Tot Ion	Ratio	Lower	Upper
146	100		
111	37.3	19.7	59.0
148	63.3	32.0	96.2

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 3/4/2020 2:01:26 PM

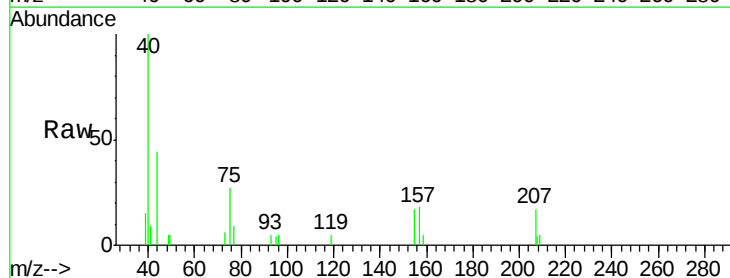


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

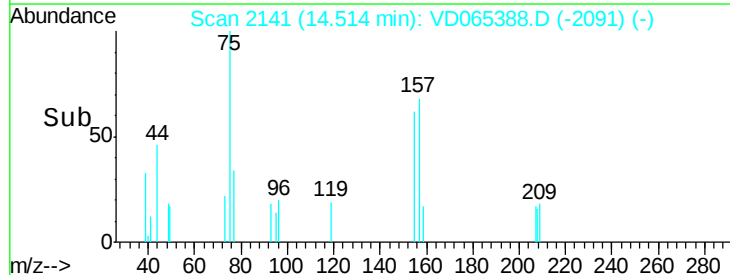
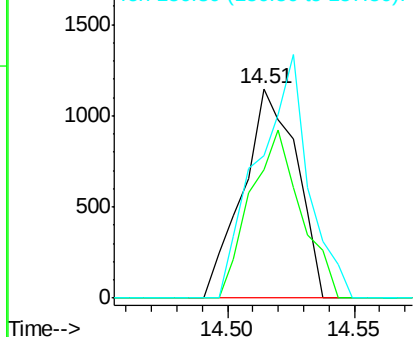


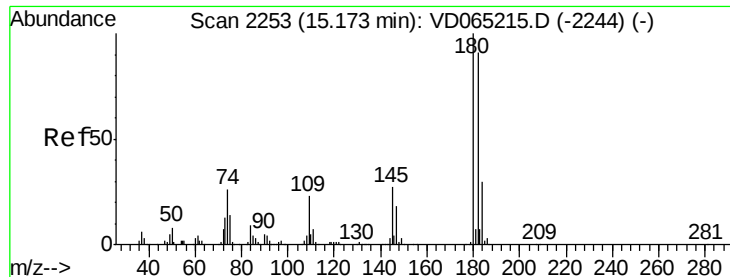
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.205 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion	Ratio	Lower	Upper
75	100		
155	75.4	42.3	126.9
157	109.5	56.7	170.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





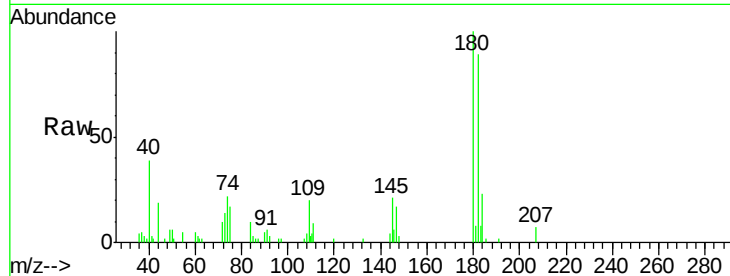
#93
 1,2,4-Trichlorobenzene
 Concen: 3.152 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0304

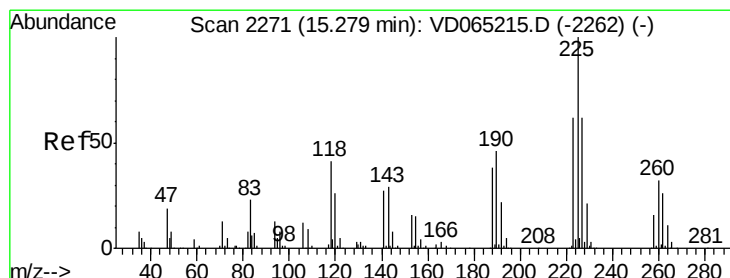
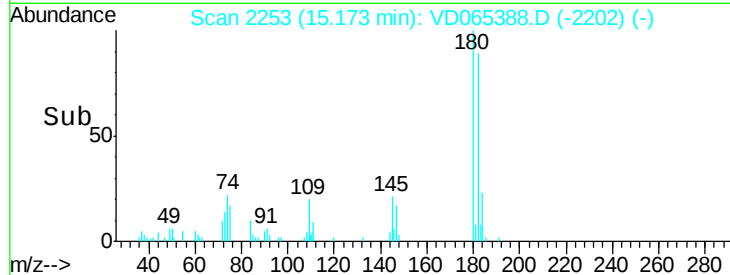
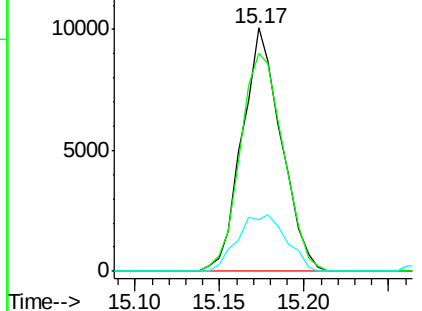
Tot Ion:	180	Resp:	16230
Ion Ratio	Lower	Upper	
180	100		
182	98.5	46.9	140.6
145	28.6	13.9	41.7

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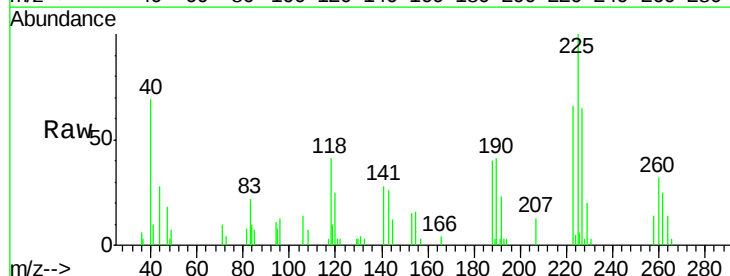


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

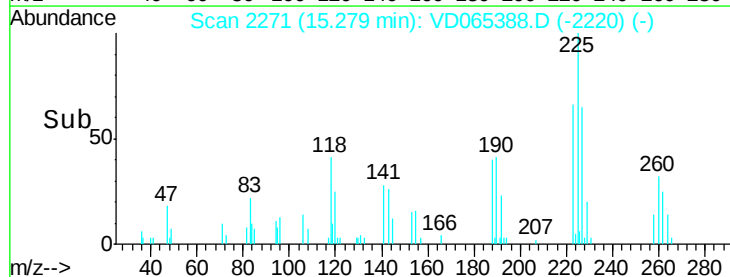
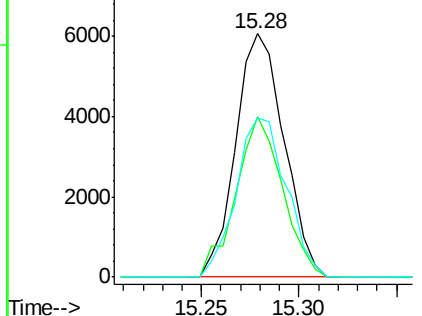


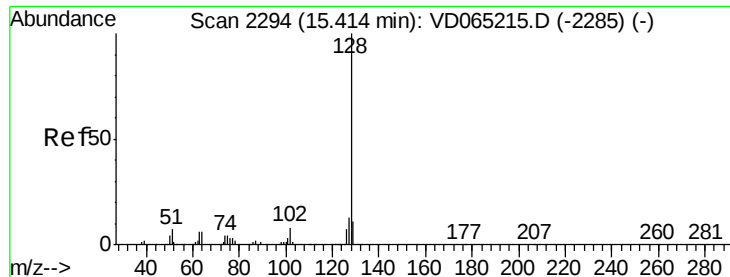
#94
 Hexachlorobutadiene
 Concen: 3.143 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065388.D
 Acq: 03 Mar 2020 12:15

Tgt Ion:	225	Resp:	10381
Ion Ratio	Lower	Upper	
225	100		
223	63.3	31.4	94.2
227	68.0	31.7	95.1



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





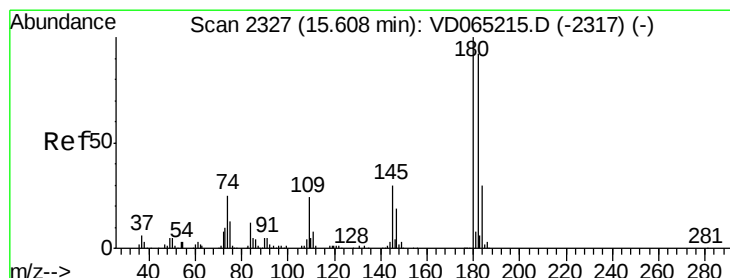
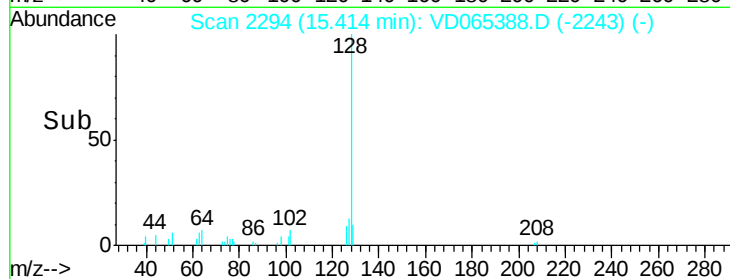
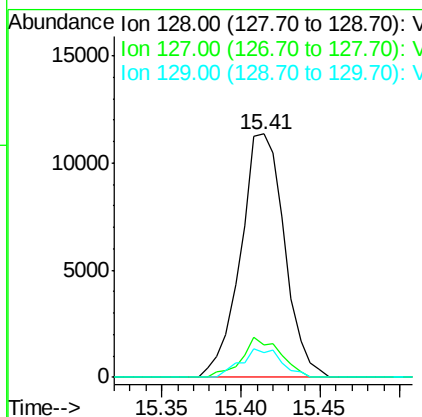
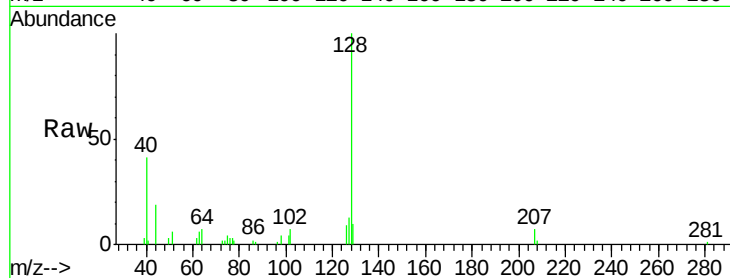
#95
Naphthalene
Concen: 2.601 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Instrument :
MSVOA_D
ClientSampleId :
VD0304

Tot Ion:	128	Resp:	21771
Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/4/2020 2:01:26 PM



#96
1,2,3-Trichlorobenzene
Concen: 3.530 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065388.D
Acq: 03 Mar 2020 12:15

Tgt Ion:	180	Resp:	15872
Ion	Ratio	Lower	Upper
180	100		
182	93.5	46.9	140.6
145	30.4	15.4	46.1

