

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030320\
 Data File : VD065402.D
 Acq On : 03 Mar 2020 18:54
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/4/2020 2:01:36 PM

Quant Time: Mar 04 05:57:09 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	7.99	168	440180	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	654558	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	613059	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	305367	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	198161	50.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.08%	
35) Dibromofluoromethane	7.92	113	208497	52.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.48%	
50) Toluene-d8	10.34	98	797461	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	256466	53.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	172472	46.716	ug/l	99
3) Chloromethane	2.21	50	203981	43.408	ug/l	99
4) Vinyl Chloride	2.35	62	208345	43.601	ug/l	97
5) Bromomethane	2.77	94	133317	46.144	ug/l	97
6) Chloroethane	2.93	64	130242	44.653	ug/l	99
7) Trichlorofluoromethane	3.27	101	324890	47.490	ug/l	98
8) Diethyl Ether	3.71	74	103142	49.946	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	209274	48.440	ug/l	99
10) Methyl Iodide	4.29	142	232330	51.794	ug/l	98
11) Tert butyl alcohol	5.24	59	55925	236.341	ug/l	99
12) 1,1-Dichloroethene	4.06	96	192854	47.255	ug/l	94
13) Acrolein	3.93	56	66424	226.404	ug/l	99
14) Allyl chloride	4.71	41	318353	48.036	ug/l	98
15) Acrylonitrile	5.43	53	234898	256.924	ug/l	98
16) Acetone	4.17	43	190886	197.198	ug/l	100
17) Carbon Disulfide	4.40	76	604124	44.153	ug/l	99
18) Methyl Acetate	4.73	43	110515	50.763	ug/l	98
19) Methyl tert-butyl Ether	5.49	73	446140	52.422	ug/l	98
20) Methylene Chloride	4.96	84	235810	55.201	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	228669	49.287	ug/l	97
22) Diisopropyl ether	6.37	45	665040	52.053	ug/l	99
23) Vinyl Acetate	6.31	43	1866862	265.051	ug/l	100
24) 1,1-Dichloroethane	6.27	63	390075	49.224	ug/l	99
25) 2-Butanone	7.23	43	285681	233.262	ug/l	97
26) 2,2-Dichloropropane	7.21	77	324229	47.156	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	250592	50.991	ug/l	98
28) Bromochloromethane	7.56	49	150114	51.060	ug/l	96
29) Tetrahydrofuran	7.57	42	187922	261.878	ug/l	99
30) Chloroform	7.71	83	401342	50.270	ug/l	99
31) Cyclohexane	7.99	56	347287	44.604	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	347595	48.661	ug/l	98
36) 1,1-Dichloropropene	8.11	75	308402	48.423	ug/l	99
37) Ethyl Acetate	7.30	43	132554	49.786	ug/l	98
38) Carbon Tetrachloride	8.10	117	319045	49.209	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	369538	49.354	ug/l	96
40) Benzene	8.36	78	901601	50.154	ug/l	99
41) Methacrylonitrile	7.53	41	71983	46.824	ug/l	97
42) 1,2-Dichloroethane	8.43	62	244690	49.512	ug/l	99
43) Isopropyl Acetate	8.46	43	247792	51.179	ug/l	98
44) Trichloroethene	9.11	130	252436	50.658	ug/l	97
45) 1,2-Dichloropropane	9.39	63	230167	51.491	ug/l	99
46) Dibromomethane	9.48	93	120965	52.595	ug/l	98
47) Bromodichloromethane	9.67	83	310537	51.234	ug/l	100
48) Methyl methacrylate	9.46	41	112836	50.419	ug/l	91
49) 1,4-Dioxane	9.47	88	27708	1027.178	ug/l	96
51) 4-Methyl-2-Pentanone	10.24	43	645346	262.428	ug/l	98
52) Toluene	10.41	92	581536	52.262	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	293600	52.259	ug/l	99
54) cis-1,3-Dichloropropene	10.10	75	358504	52.844	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	172960	53.429	ug/l	97
56) Ethyl methacrylate	10.67	69	206237	55.197	ug/l	99
57) 1,3-Dichloropropane	10.95	76	290685	52.760	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	270850	229.926	ug/l	98
59) 2-Hexanone	10.99	43	442216	251.209	ug/l	97
60) Dibromochloromethane	11.14	129	219761	53.040	ug/l	100
61) 1,2-Dibromoethane	11.25	107	163181	53.240	ug/l	98
64) Tetrachloroethene	10.88	164	218312	50.210	ug/l	97
65) Chlorobenzene	11.68	112	622587	50.606	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	233401	50.839	ug/l	100
67) Ethyl Benzene	11.75	91	1084984	50.355	ug/l	100
68) m/p-Xylenes	11.86	106	846787	102.721	ug/l	99
69) o-Xylene	12.18	106	380563	52.108	ug/l	100
70) Styrene	12.20	104	691114	53.299	ug/l	99
71) Bromoform	12.37	173	131571	51.646	ug/l	# 100
73) Isopropylbenzene	12.48	105	1035048	51.198	ug/l	100
74) N-amyl acetate	12.30	43	226000	50.309	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.74	83	182779	50.095	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	125498m	48.303	ug/l	
77) Bromobenzene	12.77	156	259832	51.758	ug/l	97
78) n-propylbenzene	12.83	91	1236077	50.878	ug/l	99
79) 2-Chlorotoluene	12.91	91	687221	50.493	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	857371	51.490	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58455	48.579	ug/l	95
82) 4-Chlorotoluene	13.01	91	728210	50.398	ug/l	99
83) tert-Butylbenzene	13.23	119	715472	51.267	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	862430	51.747	ug/l	99
85) sec-Butylbenzene	13.41	105	1021865	50.815	ug/l	100
86) p-Isopropyltoluene	13.53	119	935614	50.876	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	487752	50.257	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	477465	49.848	ug/l	100
89) n-Butylbenzene	13.86	91	868167	51.231	ug/l	100
90) Hexachloroethane	14.13	117	184556	49.426	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	421980	50.639	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.51	75	27274	48.506	ug/l	92

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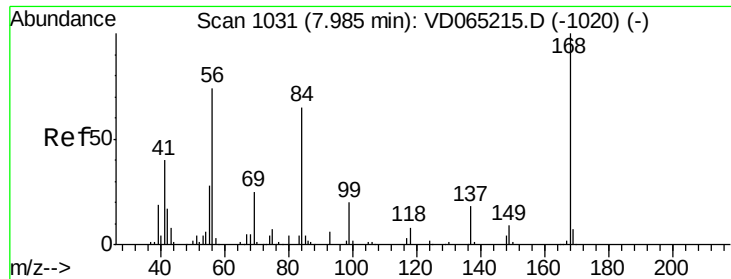
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	288627	52.951	ug/l	99
94) Hexachlorobutadiene	15.28	225	175163	50.095	ug/l	99
95) Naphthalene	15.41	128	489819	55.276	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	255265	53.621	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 440180

Ion Ratio Lower Upper

168 100

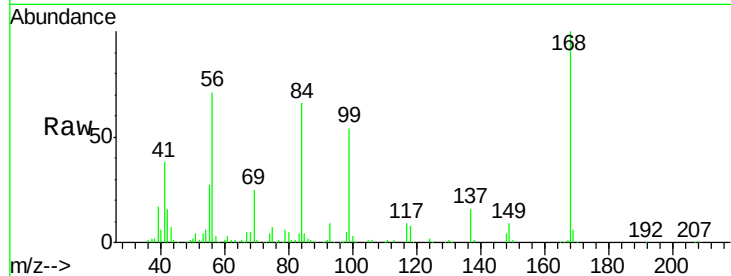
99 54.0 41.4 62.2

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

7.99

200000

150000

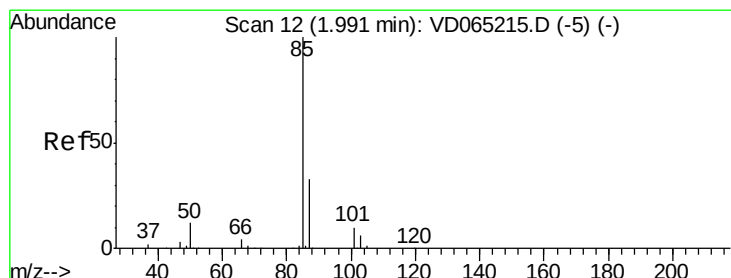
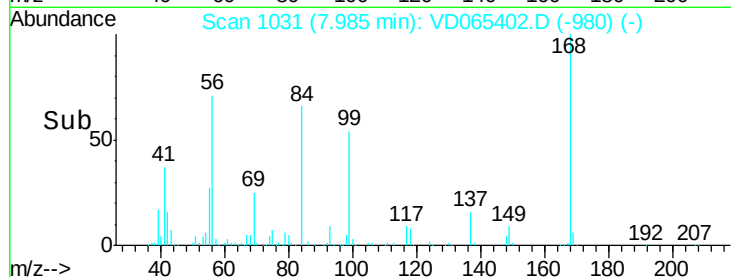
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 46.716 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065402.D

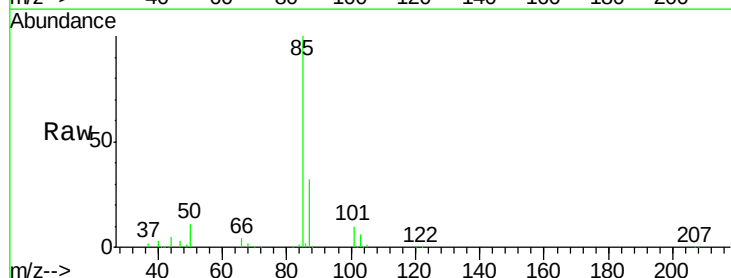
Acq: 03 Mar 2020 18:54

Tgt Ion: 85 Resp: 172472

Ion Ratio Lower Upper

85 100

87 32.1 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

150000

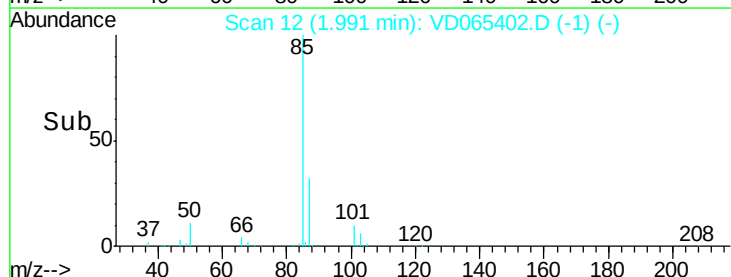
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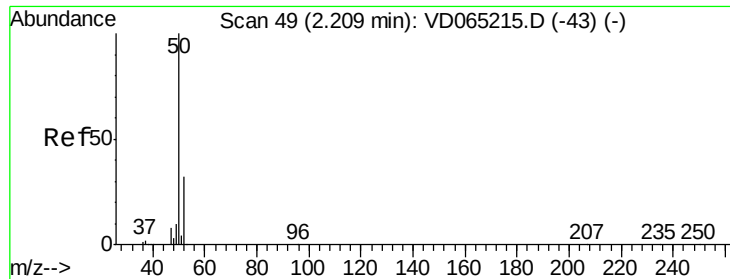
50000

0

1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 43.408 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 203981

Ion Ratio Lower Upper

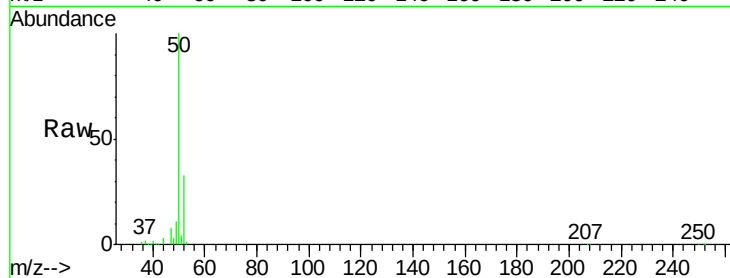
50 100

52 32.5 25.5 38.3

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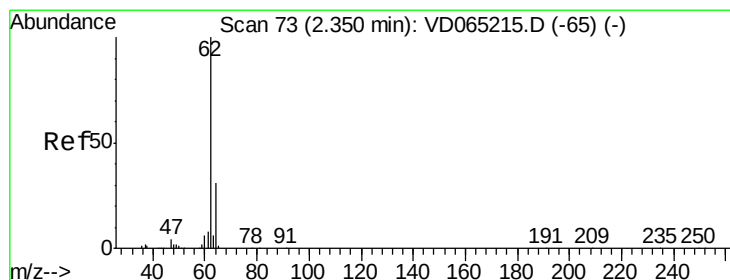
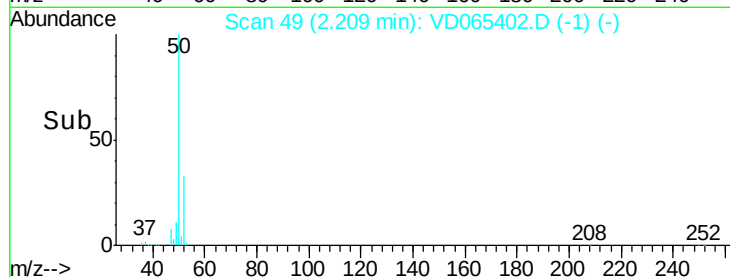
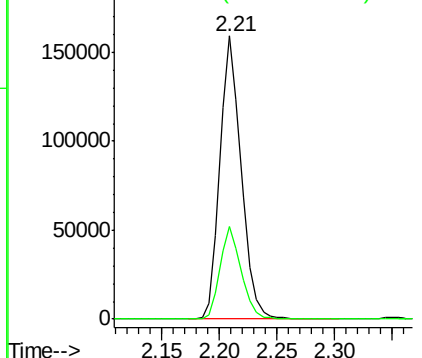
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.601 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065402.D

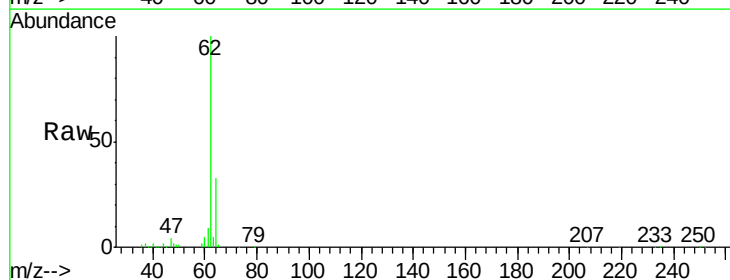
Acq: 03 Mar 2020 18:54

Tgt Ion: 62 Resp: 208345

Ion Ratio Lower Upper

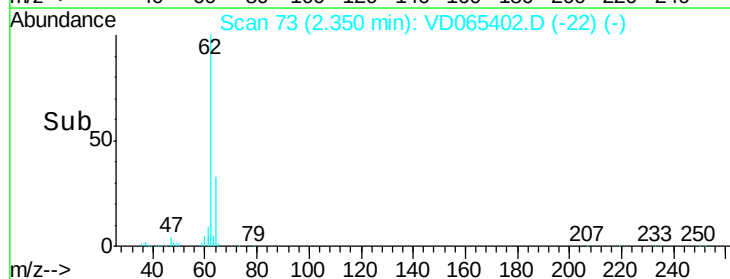
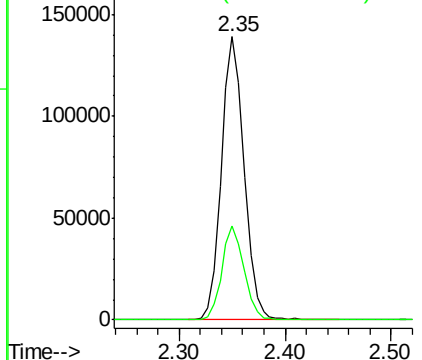
62 100

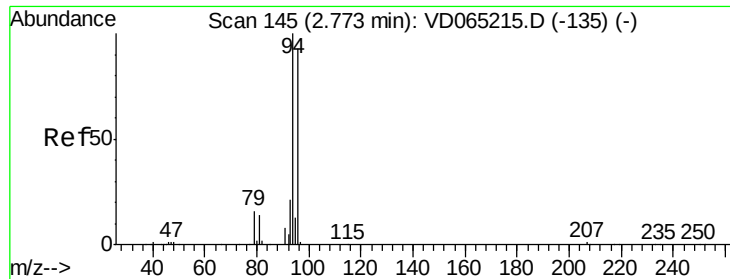
64 33.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 46.144 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 133317

Ion Ratio Lower Upper

94 100

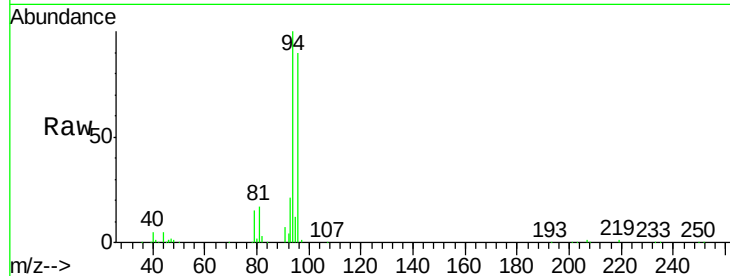
96 90.1 74.2 111.4

Manual Integrations

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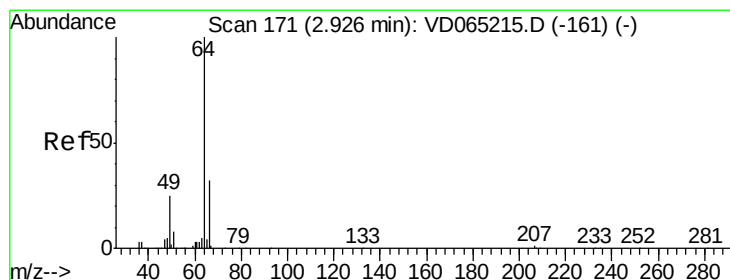
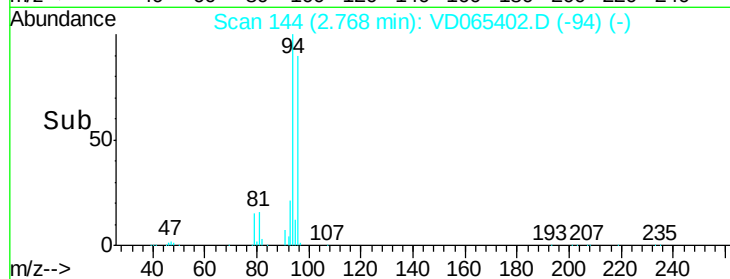
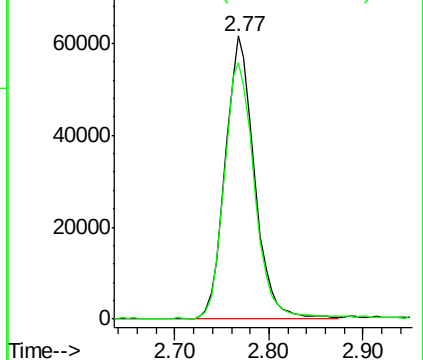
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.653 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065402.D

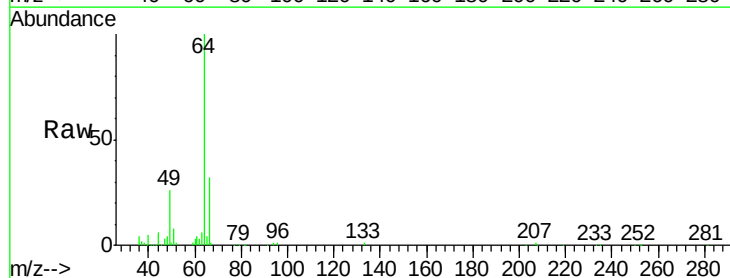
Acq: 03 Mar 2020 18:54

Tgt Ion: 64 Resp: 130242

Ion Ratio Lower Upper

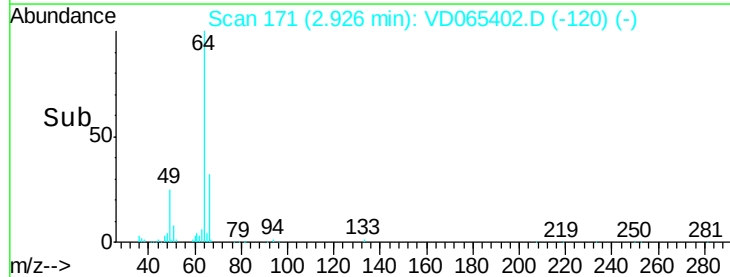
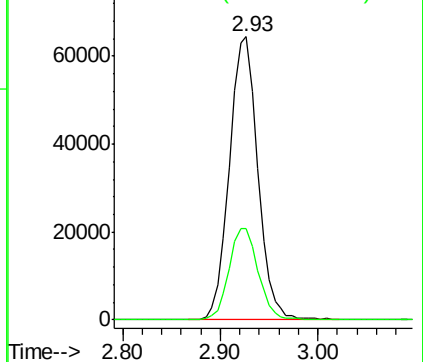
64 100

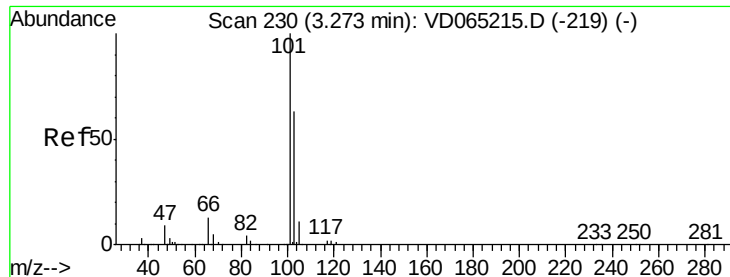
66 32.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

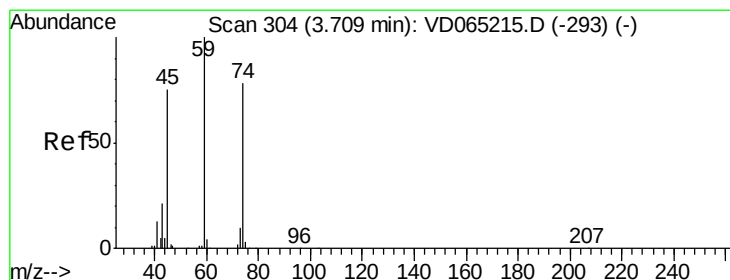
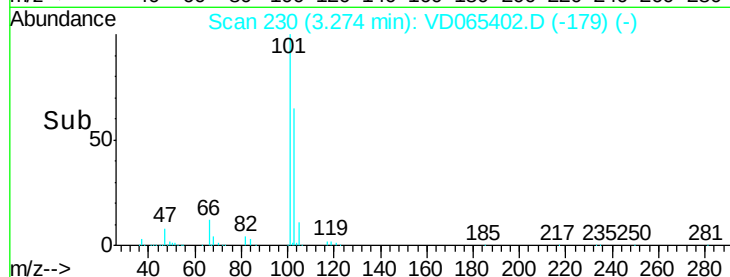
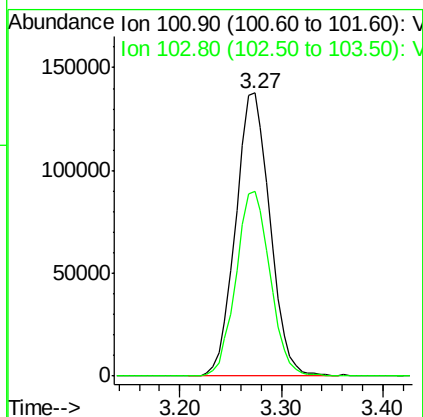
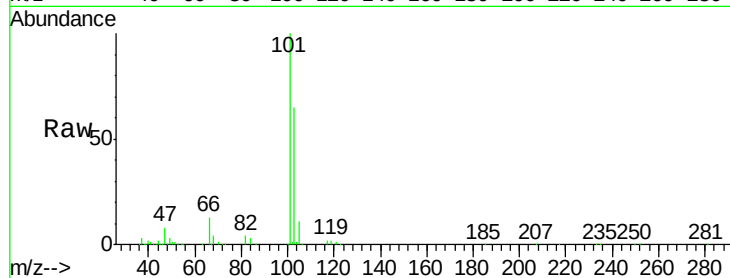
Trichlorofluoromethane
Concen: 47.490 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065402.D
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VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	50.7	76.1

Manual Integrations
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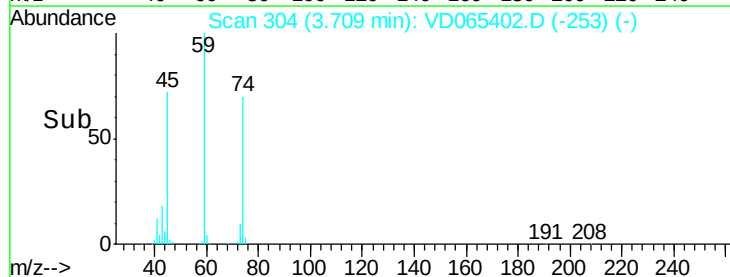
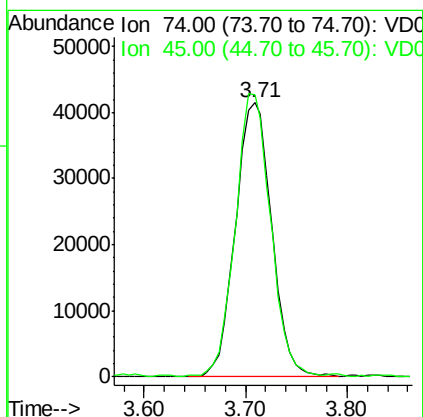
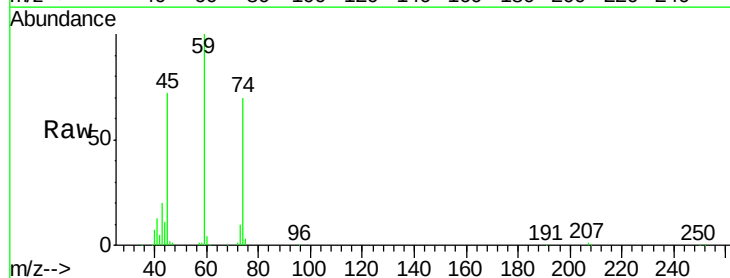
MMDadoda
3/4/2020 2:01:36 PM

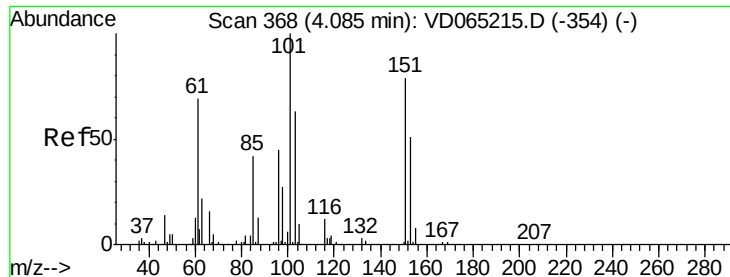


#8

Diethyl Ether
Concen: 49.946 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.7	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.440 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

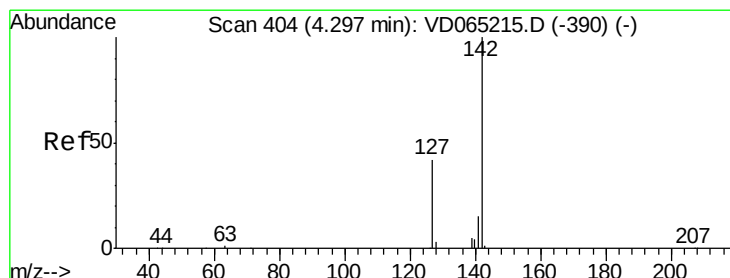
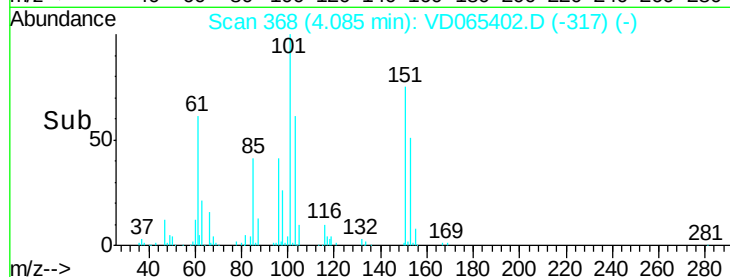
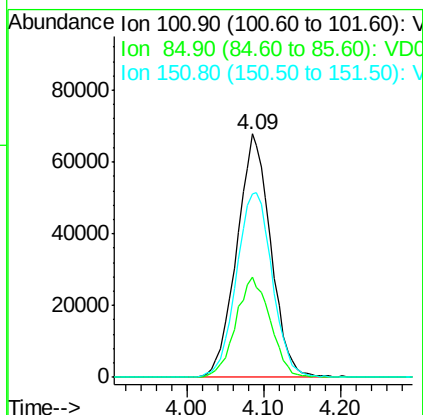
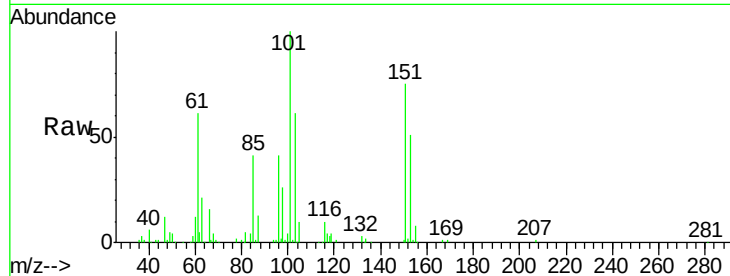
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	209274
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.2
151	80.1	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 51.794 ug/l

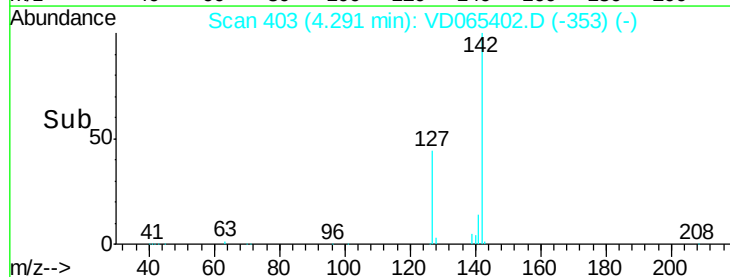
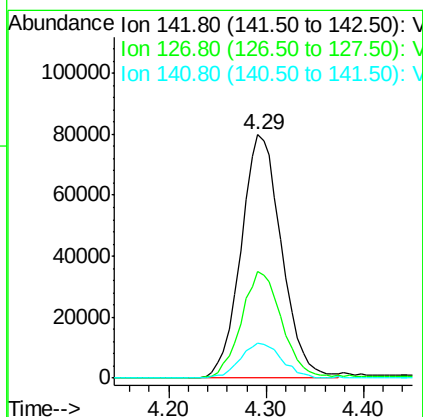
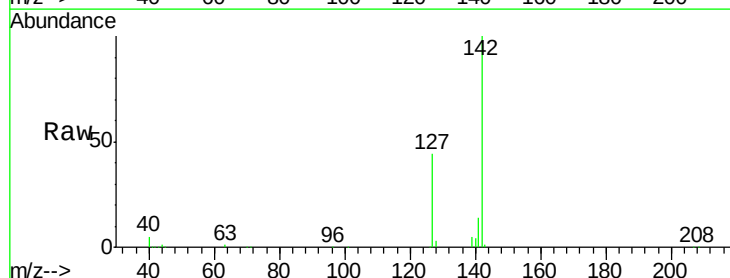
RT: 4.29 min Scan# 403

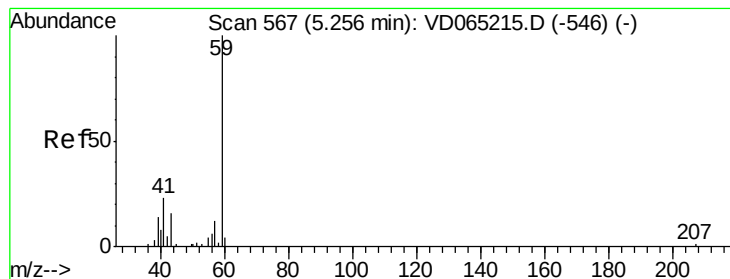
Delta R.T. -0.01 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Tgt Ion:	142	Resp:	232330
Ion Ratio	Lower	Upper	
142	100		
127	43.7	33.8	50.8
141	14.6	11.7	17.5





#11

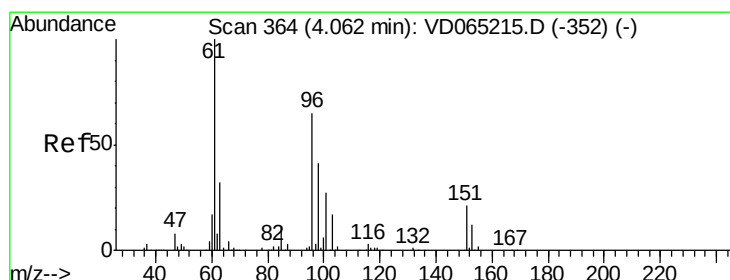
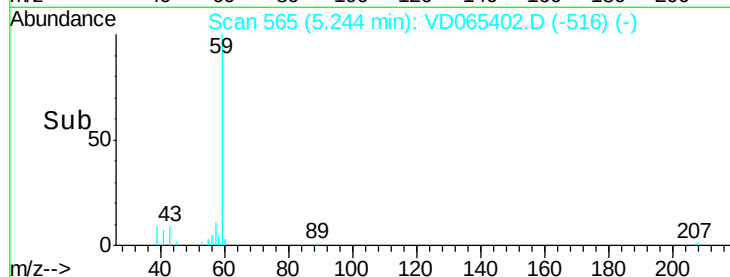
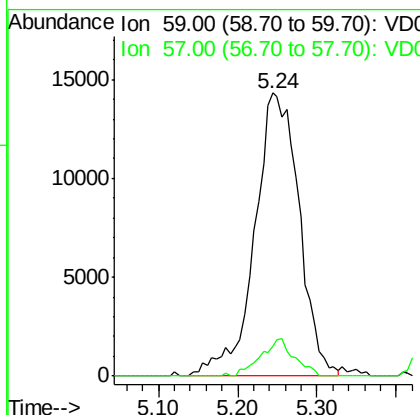
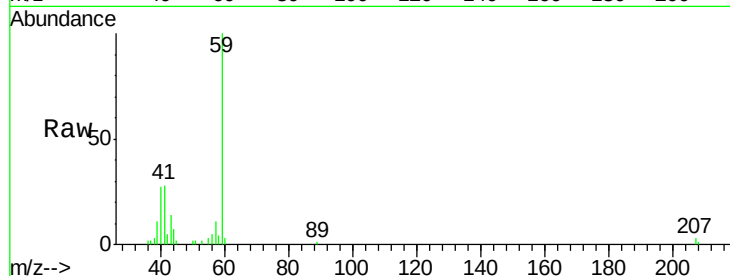
Tert butyl alcohol
Concen: 236.341 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.4	12.6

Manual Integrations
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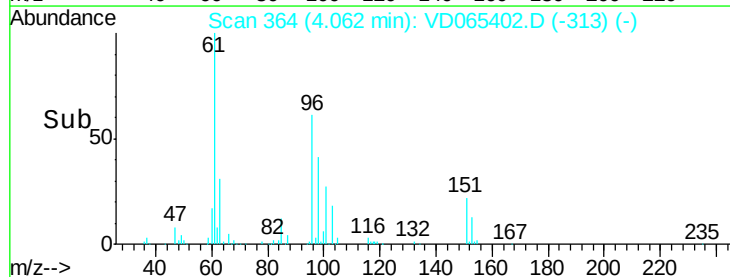
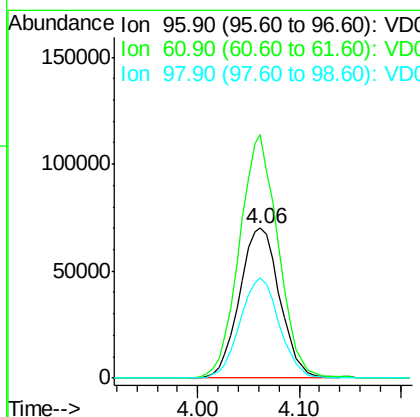
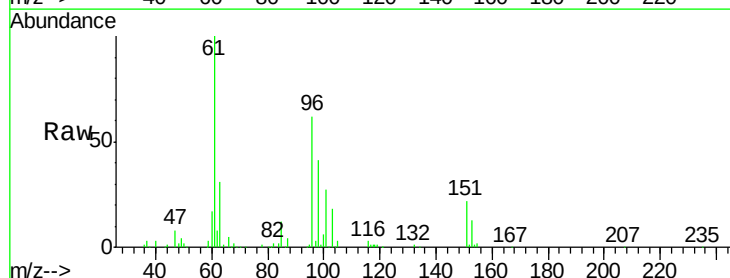
MMDadoda
3/4/2020 2:01:36 PM

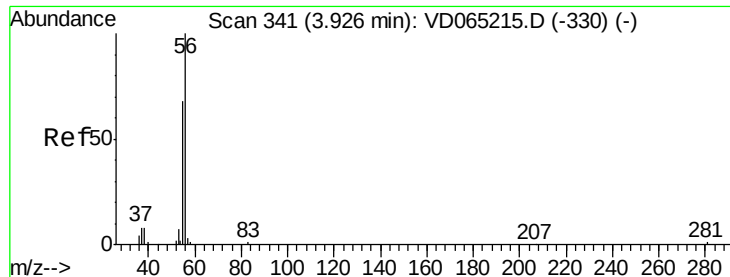


#12

1,1-Dichloroethene
Concen: 47.255 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
96	100		
61	162.4	123.3	184.9
98	66.9	51.0	76.4





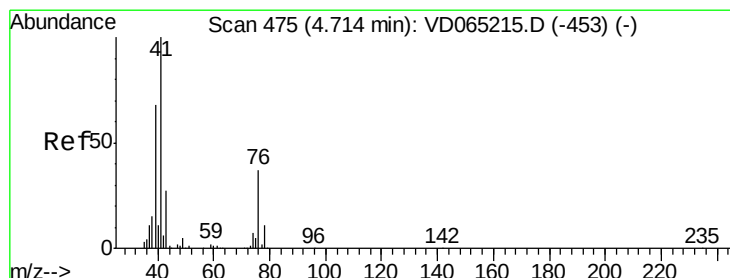
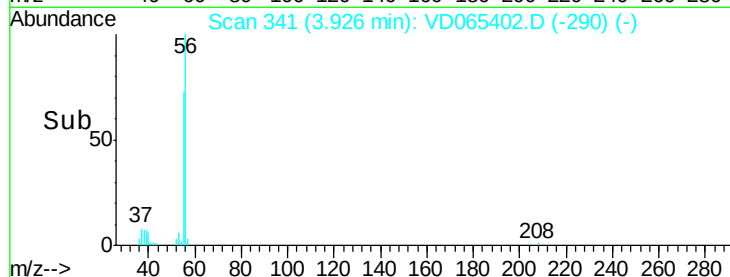
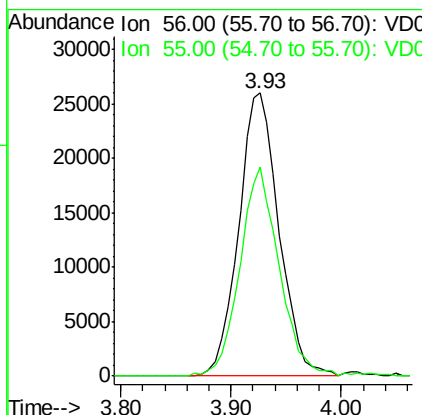
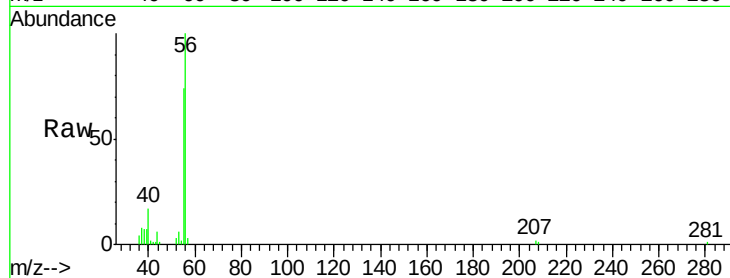
#13
 Acrolein
 Concen: 226.404 ug/l
 RT: 3.93 min Scan# 341
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	56	Resp	66424
Ion Ratio	100	Lower	Upper
55	71.9	56.6	85.0

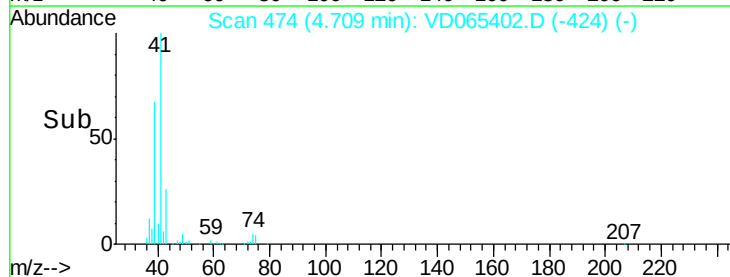
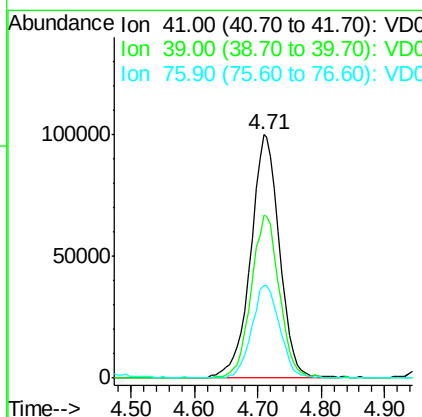
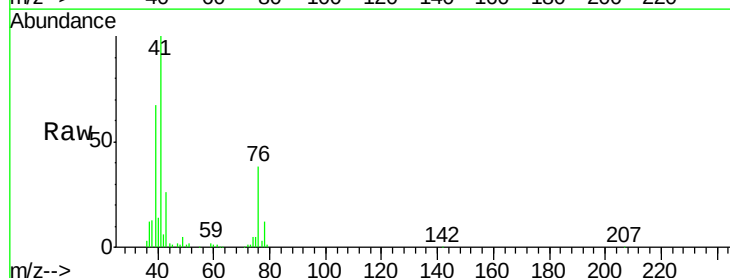
Manual Integrations
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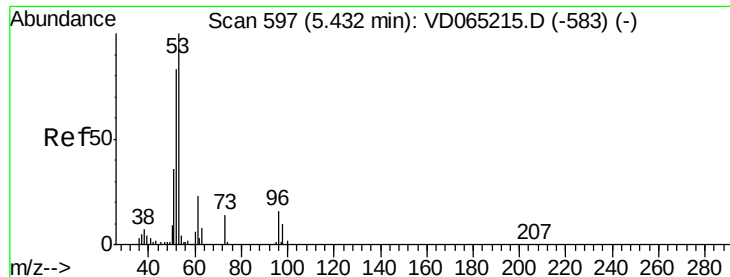
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#14
 Allyl chloride
 Concen: 48.036 ug/l
 RT: 4.71 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	41	Resp	318353
Ion Ratio	100	Lower	Upper
39	65.4	53.8	80.6
76	37.2	28.7	43.1





#15

Acrylonitrile

Concen: 256.924 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

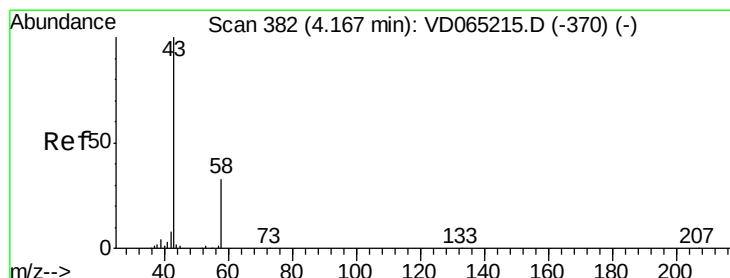
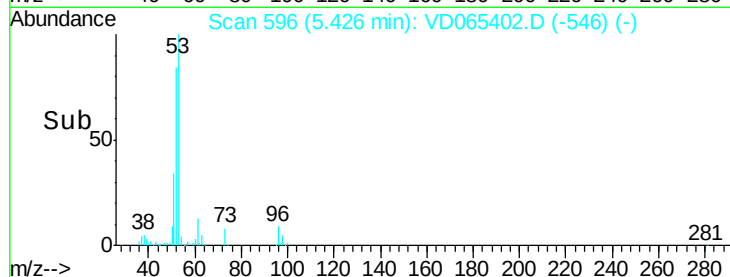
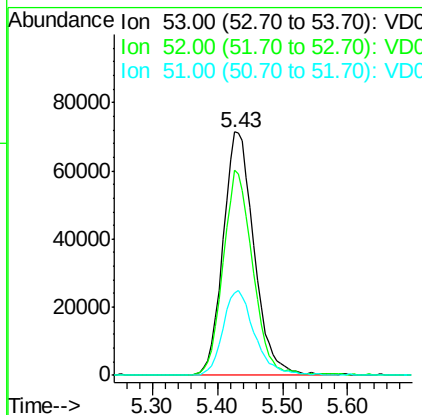
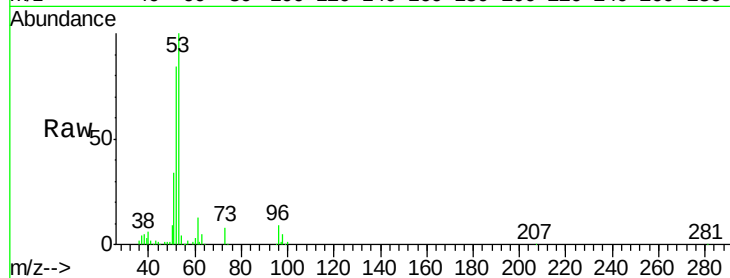
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	234898
Ion	Ratio	Lower	Upper
53	100		
52	80.4	65.4	98.2
51	35.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 197.198 ug/l

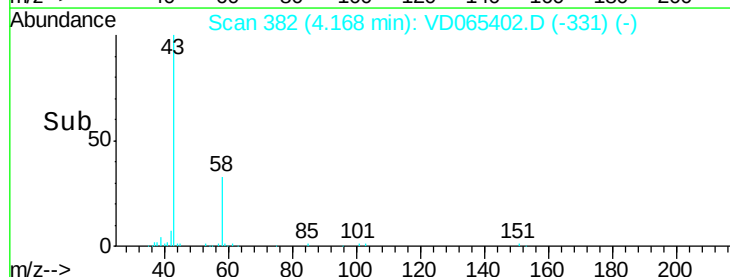
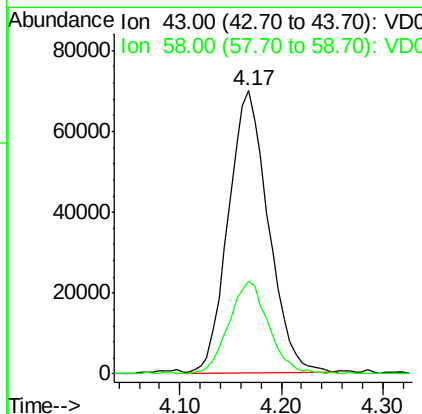
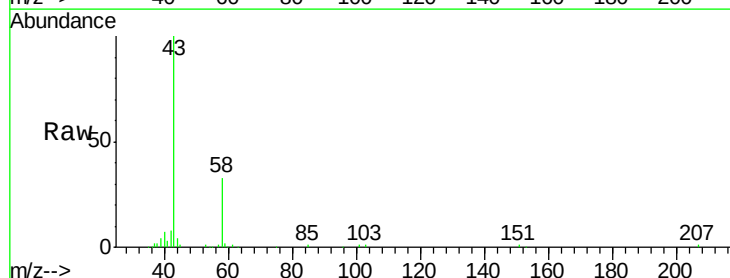
RT: 4.17 min Scan# 382

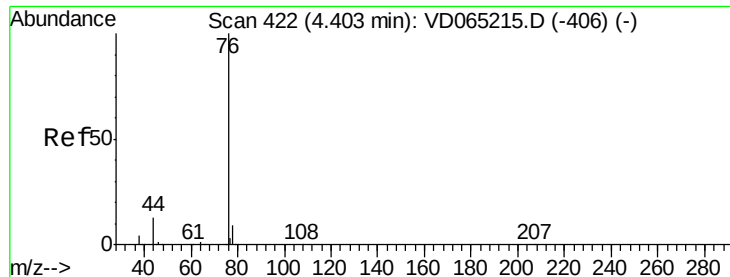
Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Tgt Ion:	43	Resp:	190886
Ion	Ratio	Lower	Upper
43	100		
58	33.0	26.2	39.2





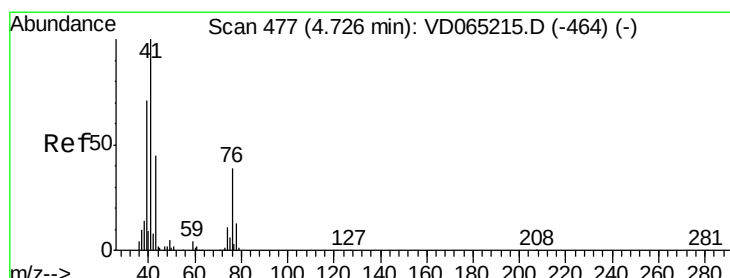
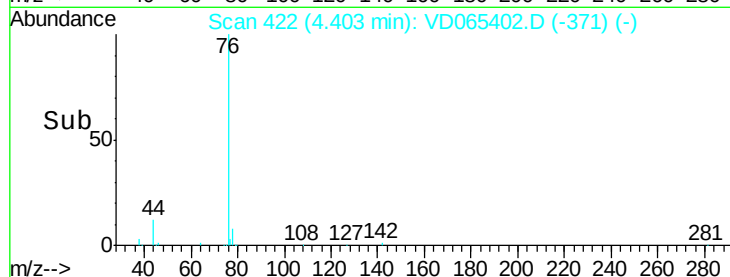
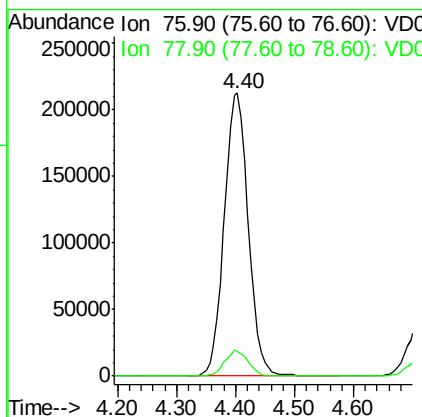
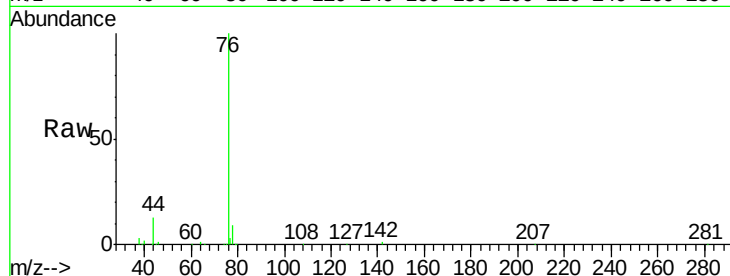
#17
Carbon Disulfide
Concen: 44.153 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

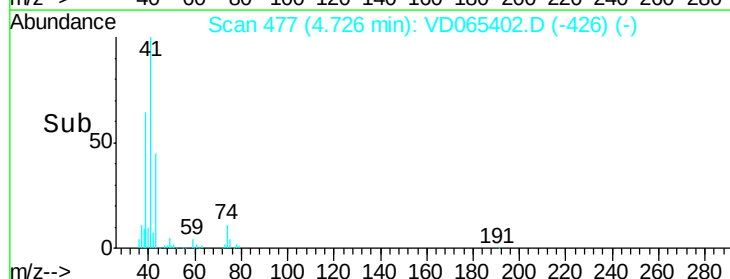
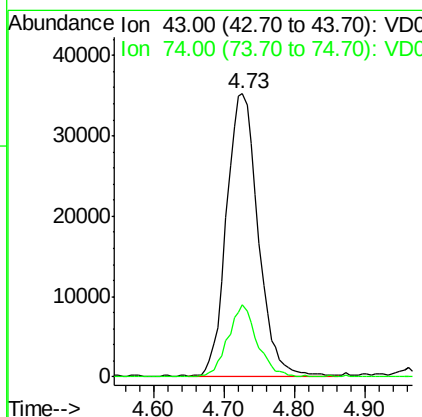
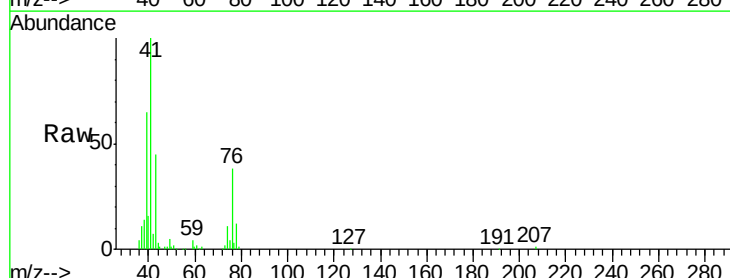
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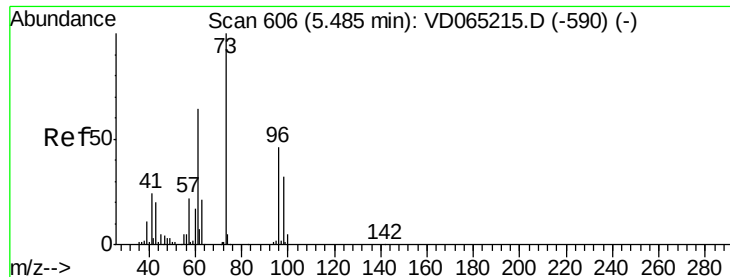
MMDadoda
3/4/2020 2:01:36 PM



#18
Methyl Acetate
Concen: 50.763 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.1	19.4	29.2





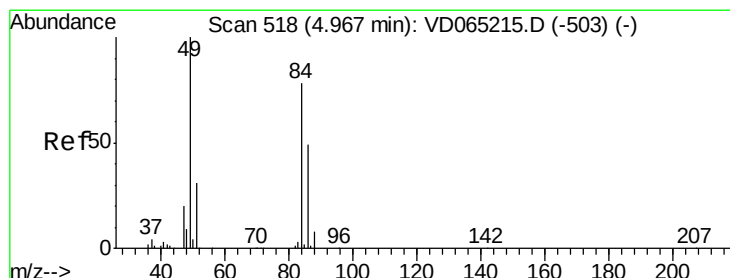
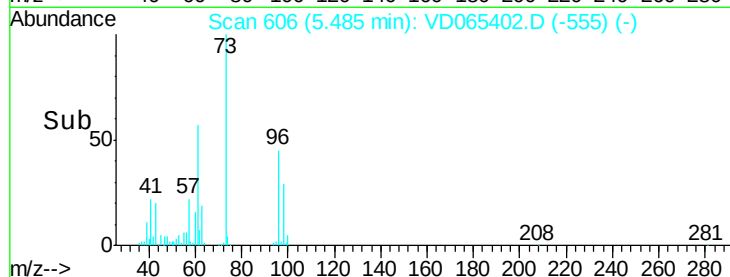
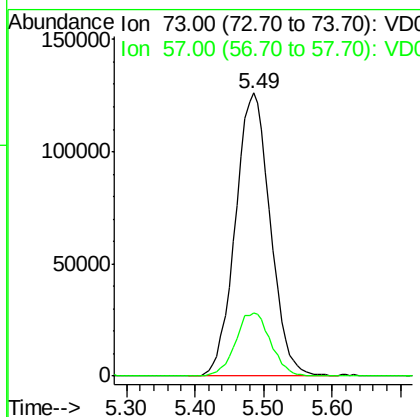
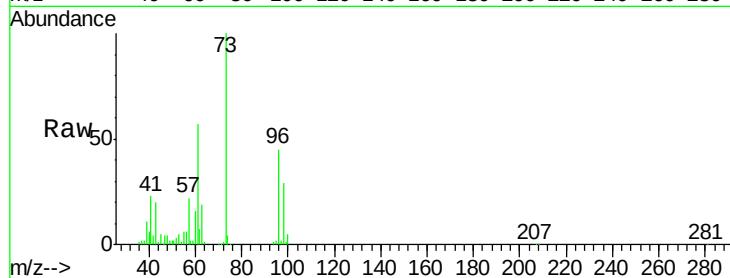
#19
Methyl tert-butyl Ether
Concen: 52.422 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 446140
Ion Ratio Lower Upper
73 100
57 22.4 17.3 25.9

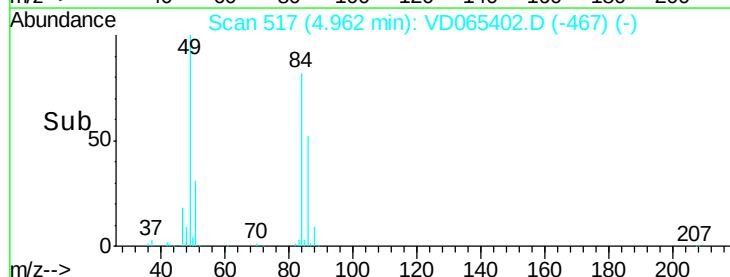
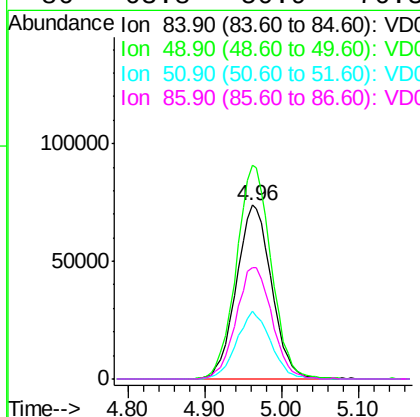
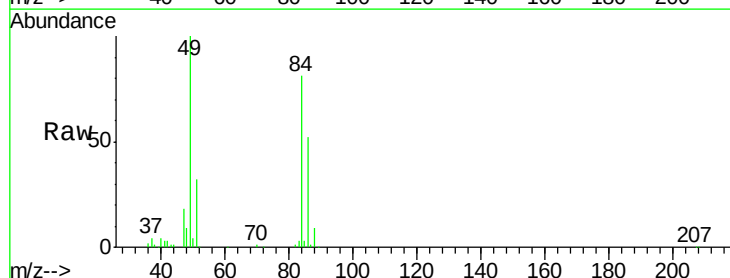
Manual Integrations
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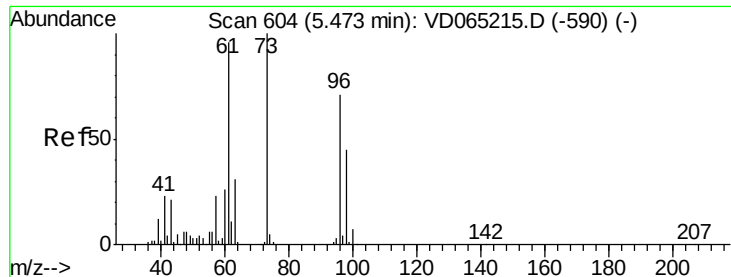
MMDadoda
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#20
Methylene Chloride
Concen: 55.201 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion: 84 Resp: 235810
Ion Ratio Lower Upper
84 100
49 122.8 103.1 154.7
51 38.7 31.7 47.5
86 63.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.287 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

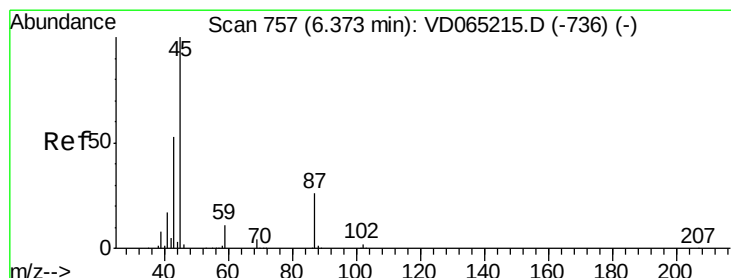
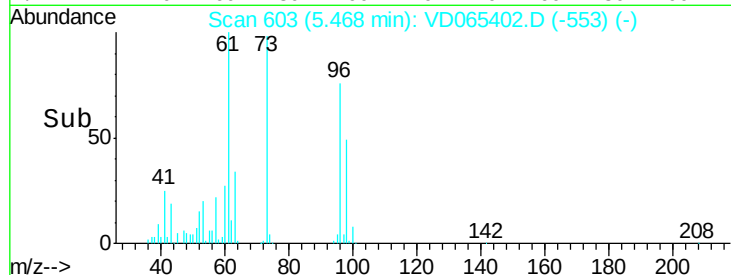
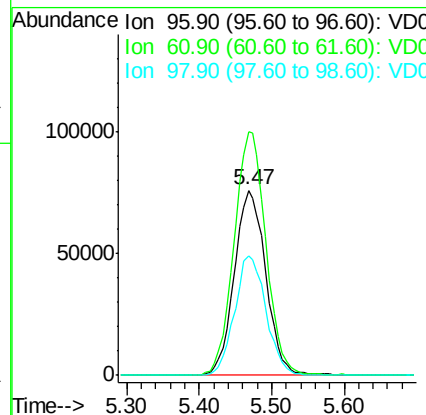
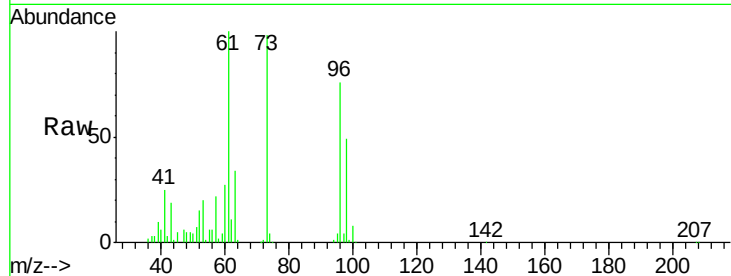
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	228669
Ion	Ratio	Lower	Upper
96	100		
61	131.6	108.3	162.5
98	64.7	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 52.053 ug/l

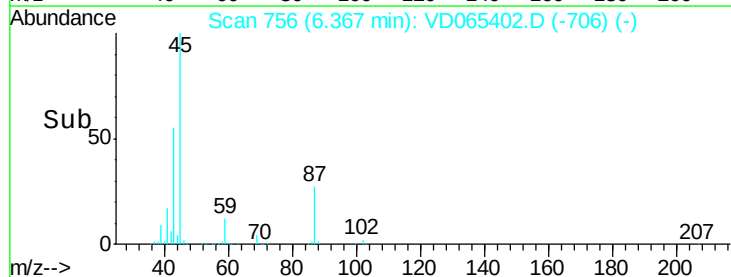
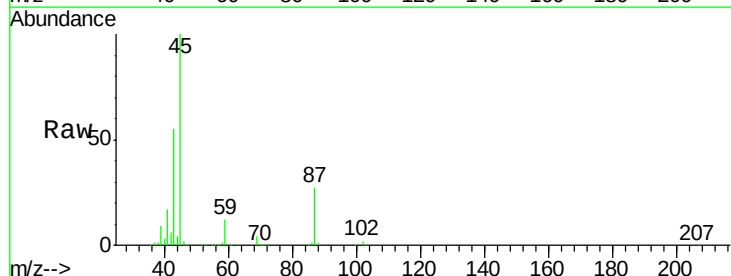
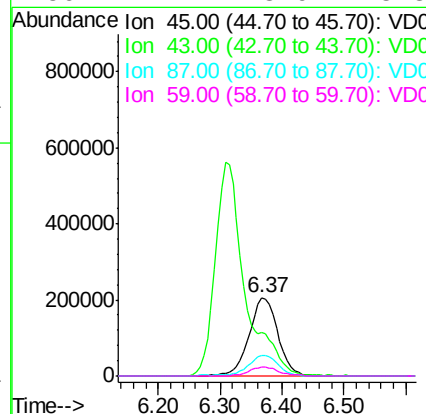
RT: 6.37 min Scan# 756

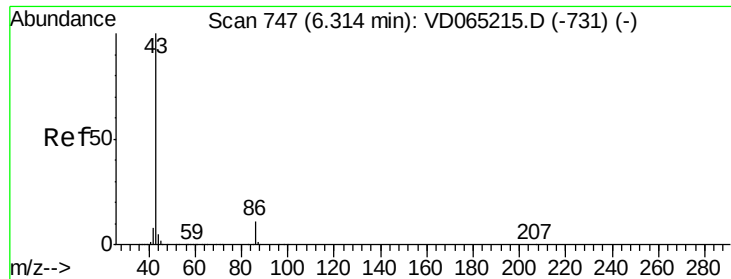
Delta R.T. -0.01 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Tgt Ion:	45	Resp:	665040
Ion	Ratio	Lower	Upper
45	100		
43	54.2	42.6	64.0
87	26.5	21.2	31.8
59	11.4	8.9	13.3





#23

Vinyl Acetate

Concen: 265.051 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1866862

Ion Ratio Lower Upper

43 100

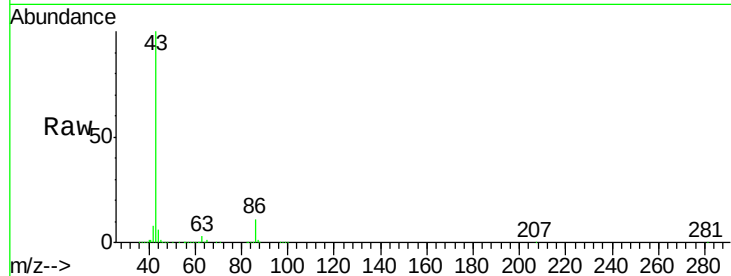
86 10.8 8.6 12.8

Manual Integrations

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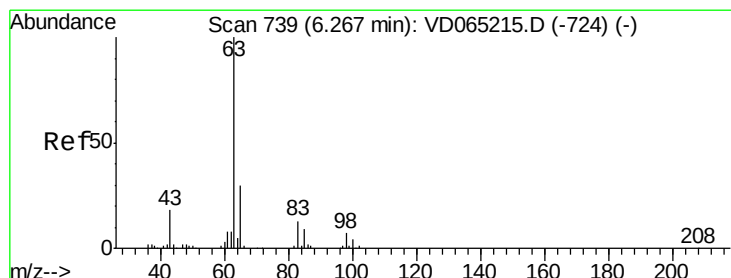
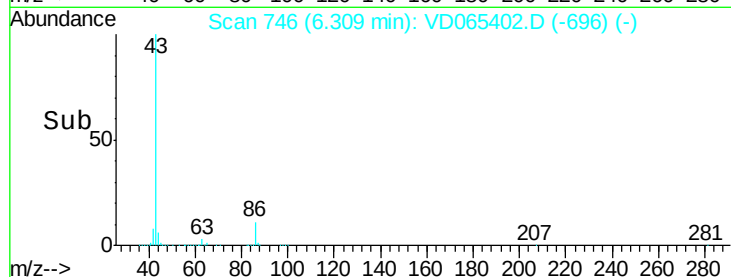
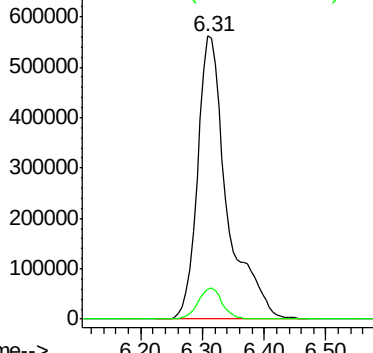
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 49.224 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

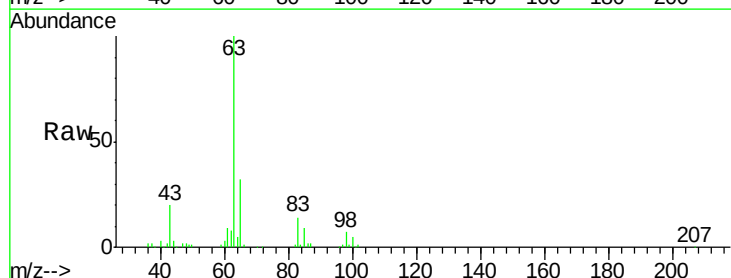
Tgt Ion: 63 Resp: 390075

Ion Ratio Lower Upper

63 100

98 7.2 3.4 10.1

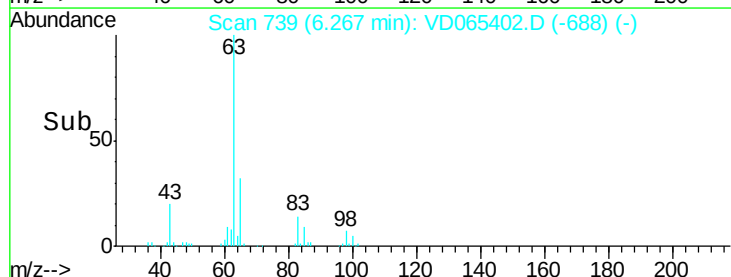
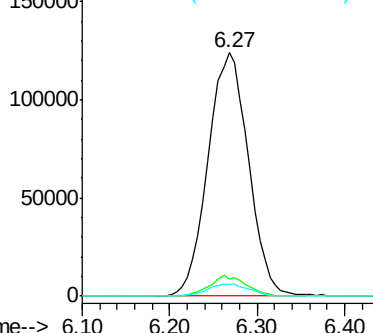
100 4.9 2.3 6.8

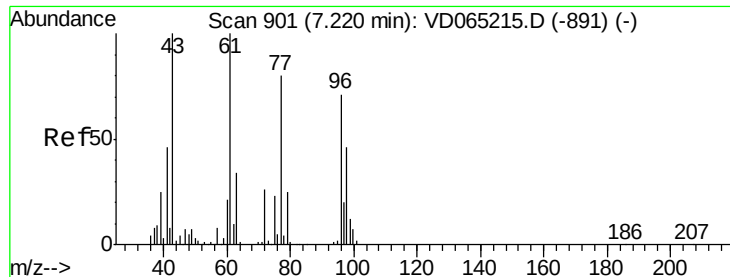


Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 233.262 ug/l

RT: 7.23 min Scan# 902

Delta R.T. 0.01 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 285681

Ion Ratio Lower Upper

43 100

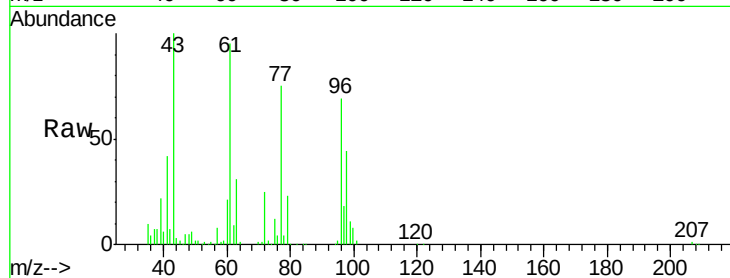
72 24.6 20.9 31.3

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

120000

100000

80000

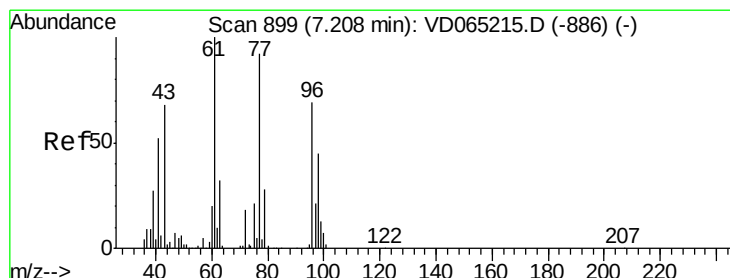
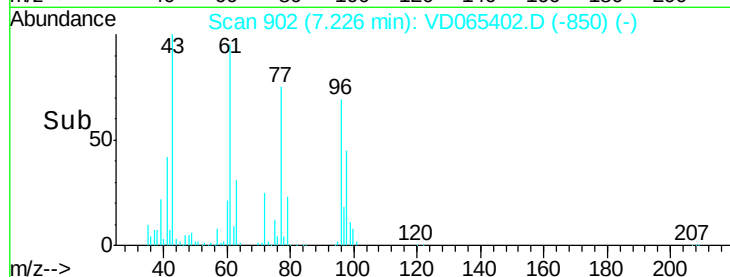
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 47.156 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065402.D

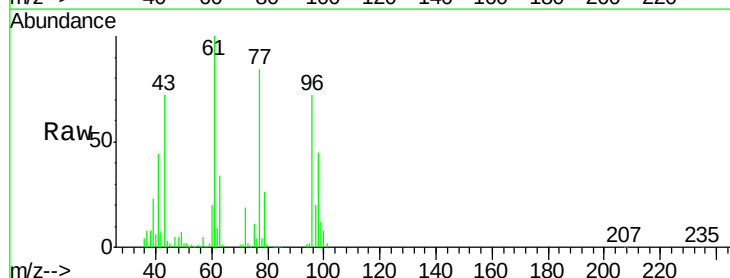
Acq: 03 Mar 2020 18:54

Tgt Ion: 77 Resp: 324229

Ion Ratio Lower Upper

77 100

97 23.9 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

120000

100000

80000

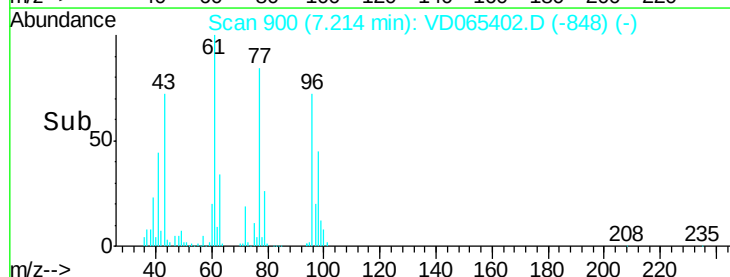
60000

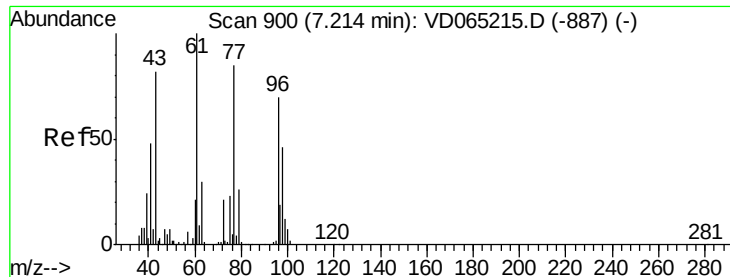
40000

20000

0

Time-->





#27

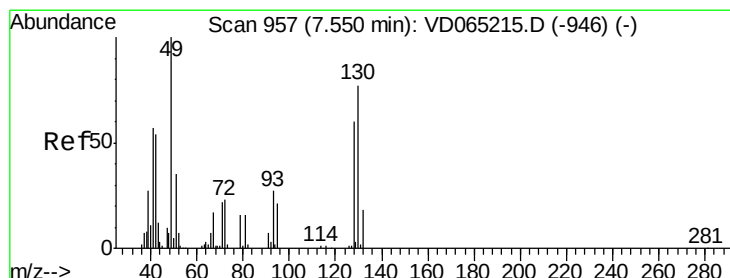
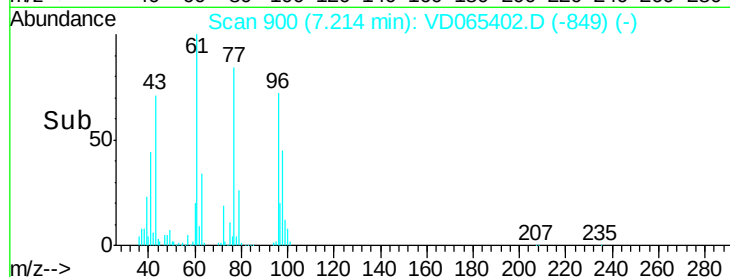
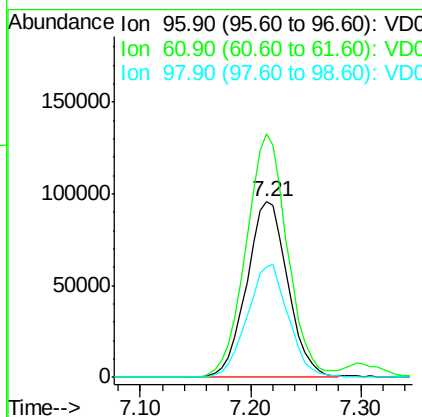
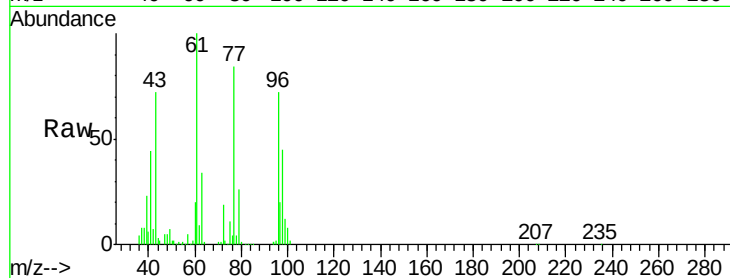
cis-1,2-Dichloroethene
Concen: 50.991 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	139.5	0.0	286.0	
98	64.2	0.0	127.8	

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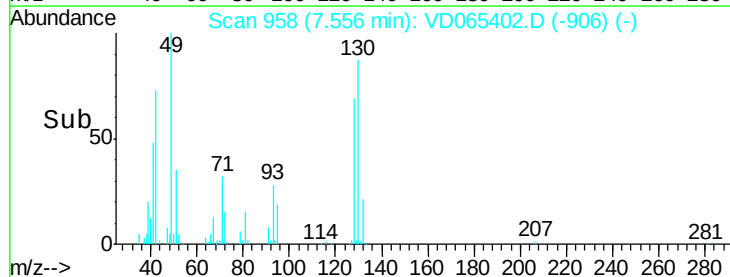
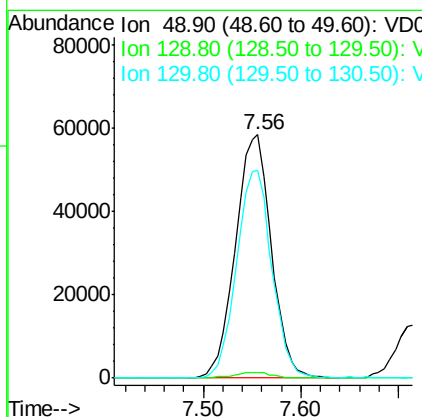
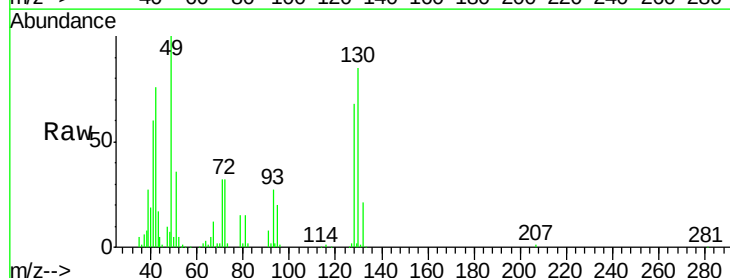
MMDadoda
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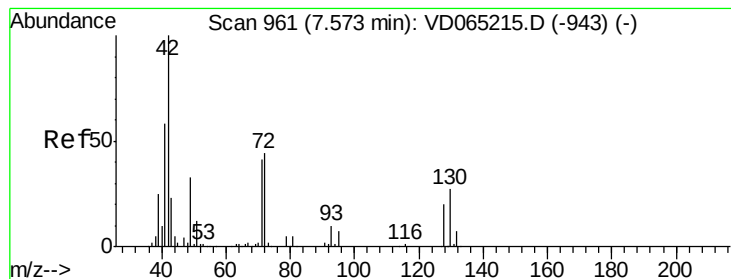


#28

Bromochloromethane
Concen: 51.060 ug/l
RT: 7.56 min Scan# 958
Delta R.T. 0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	2.4	0.0	4.6	
130	84.2	64.7	97.1	





#29

Tetrahydrofuran

Concen: 261.878 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

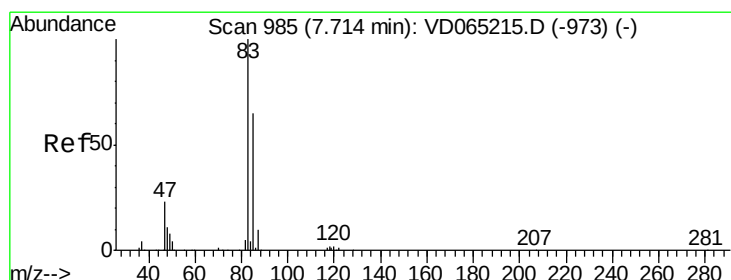
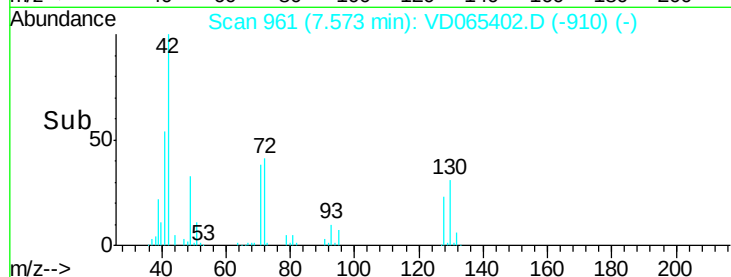
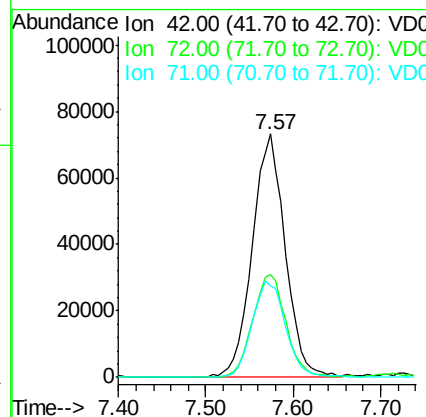
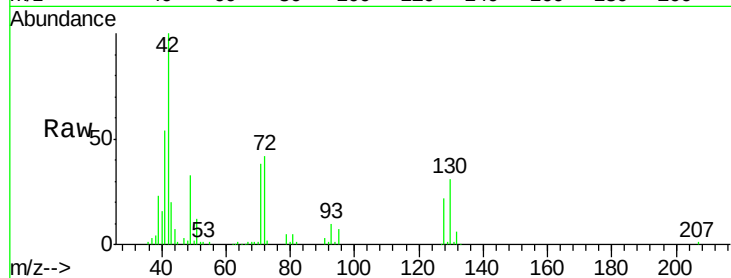
ClientSampleId :

VSTDCCC050EC

Tot Ion:	42	Resp:	187922
Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.7	50.5
71	40.0	31.4	47.2

Manual Integrations
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3/4/2020 2:01:36 PM



#30

Chloroform

Concen: 50.270 ug/l

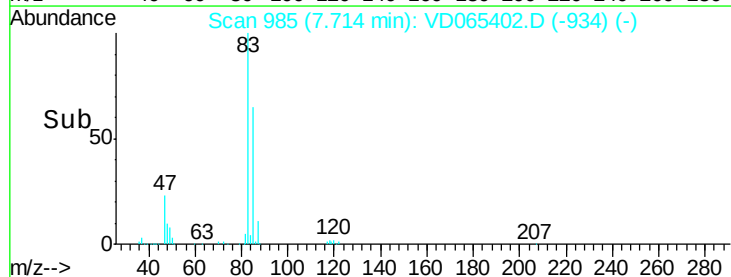
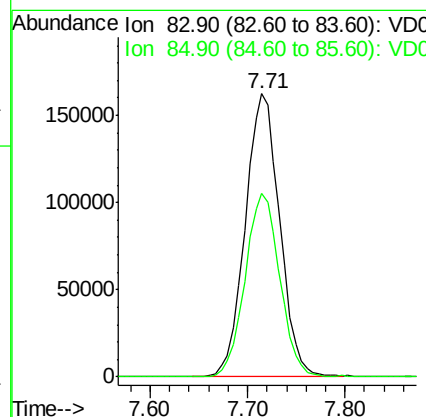
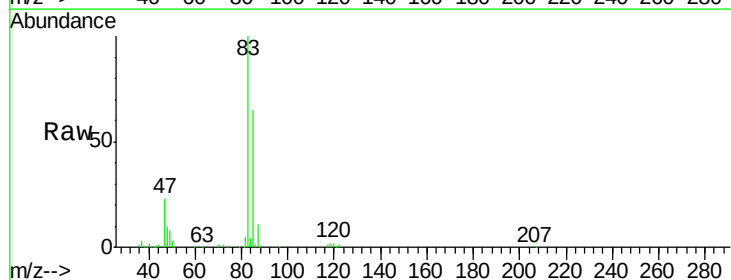
RT: 7.71 min Scan# 985

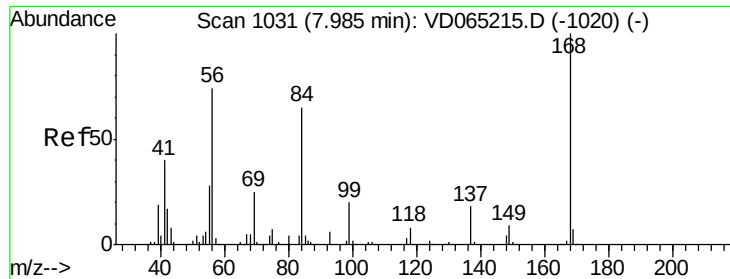
Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Tgt Ion:	83	Resp:	401342
Ion	Ratio	Lower	Upper
83	100		
85	65.0	52.3	78.5





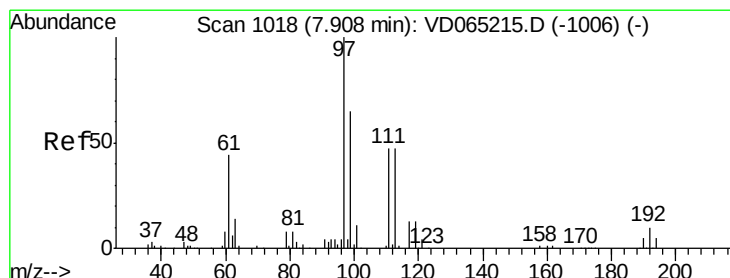
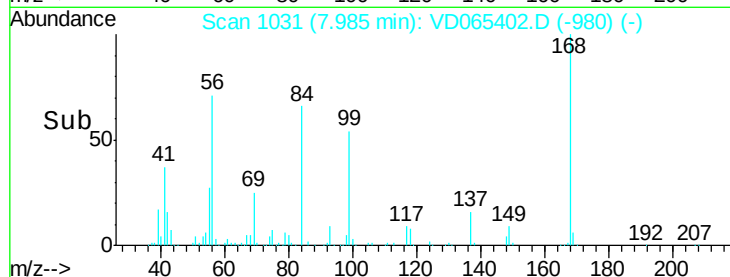
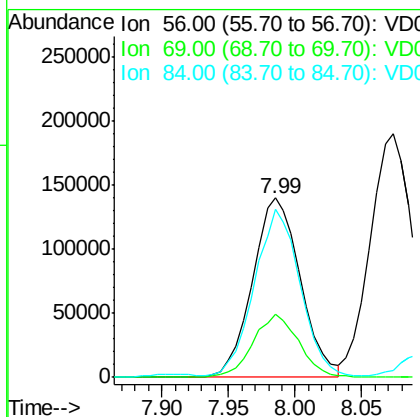
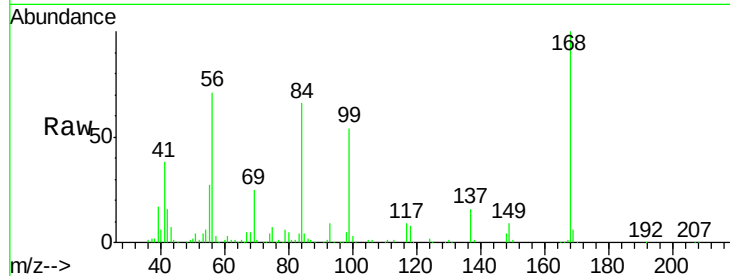
#31
Cyclohexane
Concen: 44.604 ug/l
RT: 7.99 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	35.5	27.4	41.0	
84	91.9	71.1	106.7	

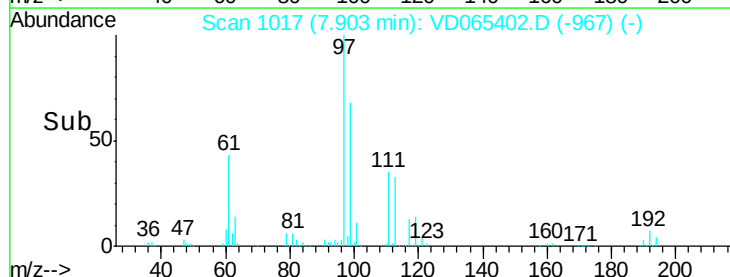
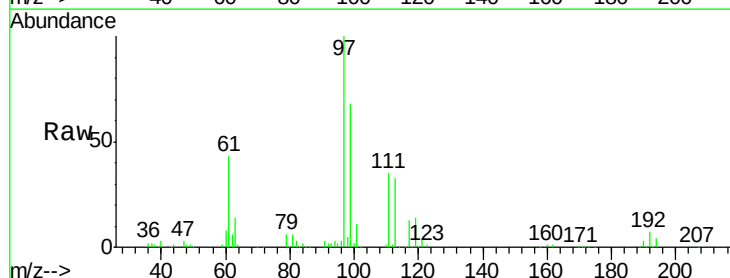
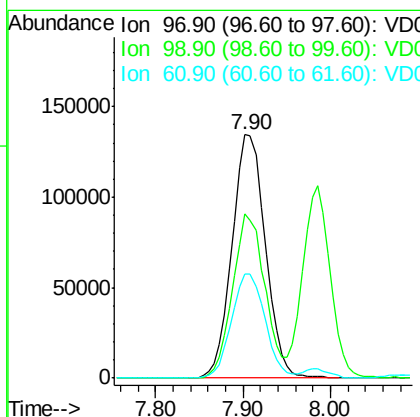
Manual Integrations
APPROVED

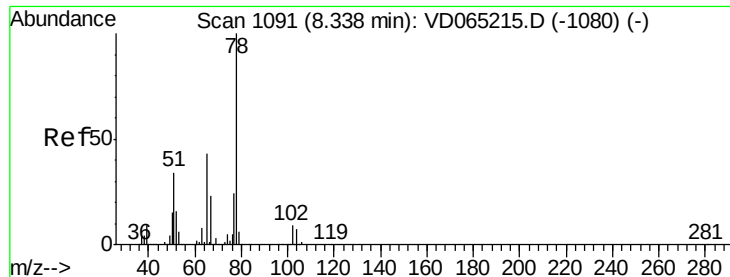
MMDadoda
3/4/2020 2:01:36 PM



#32
1,1,1-Trichloroethane
Concen: 48.661 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	65.8	51.4	77.2	
61	42.9	34.8	52.2	





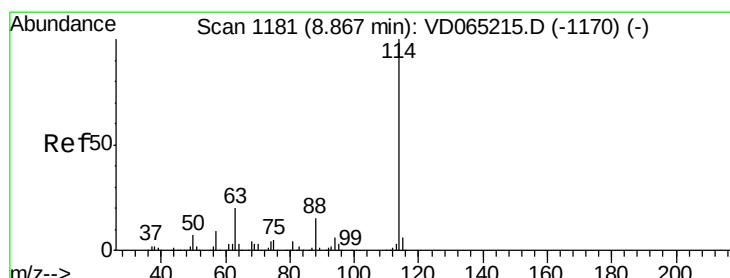
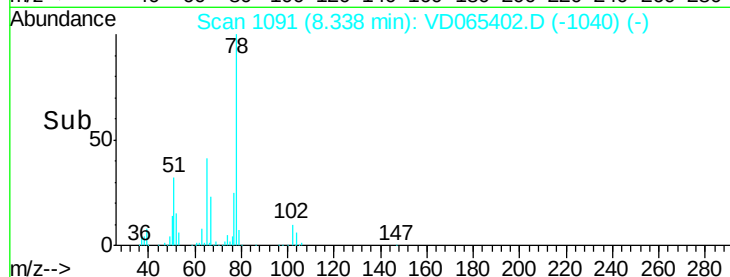
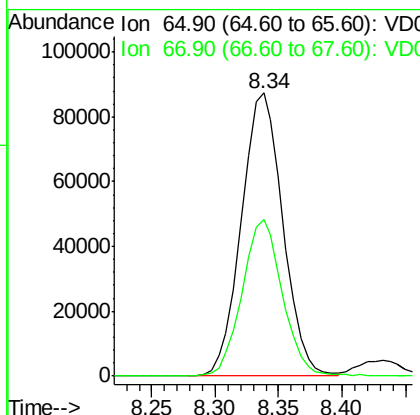
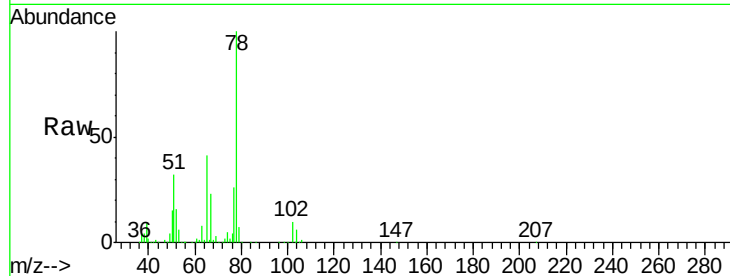
#33
 1,2-Dichloroethane-d4
 Concen: 50.042 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.8

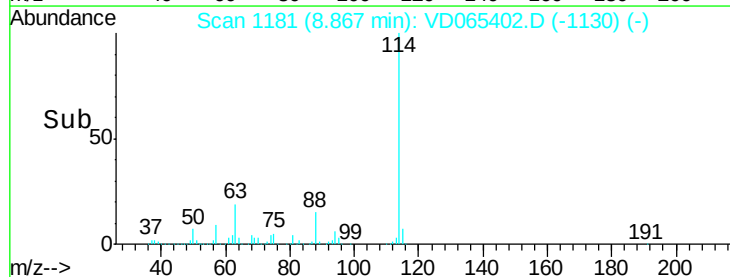
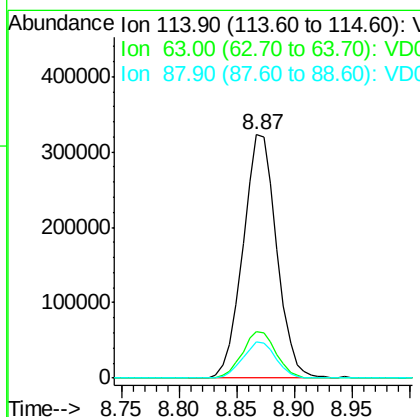
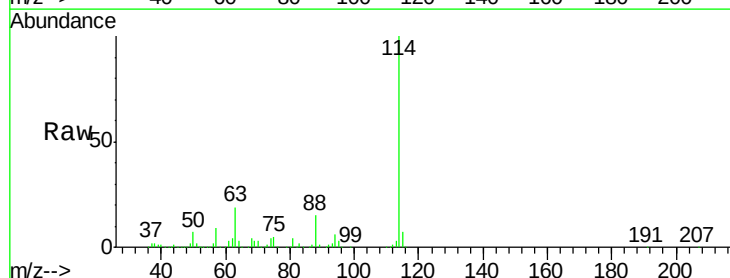
Manual Integrations
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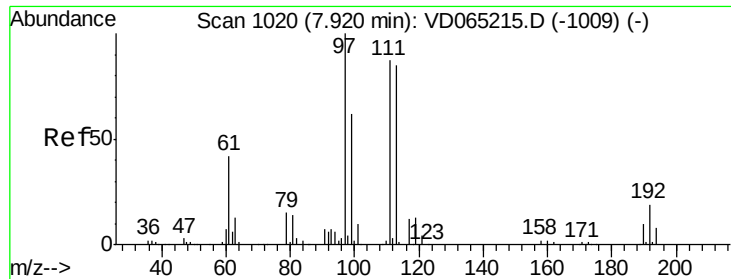
MMDadoda
 3/4/2020 2:01:36 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.4
88	15.0	0.0	30.4





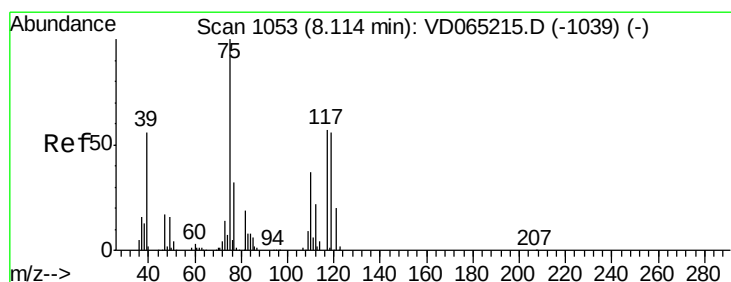
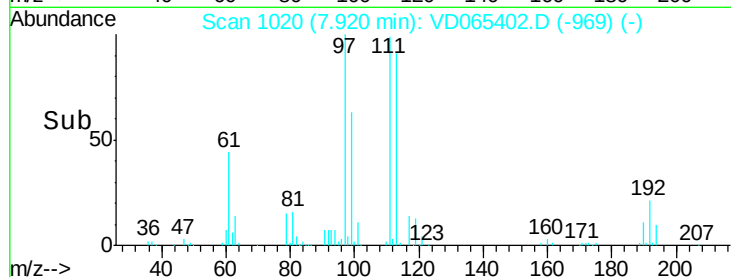
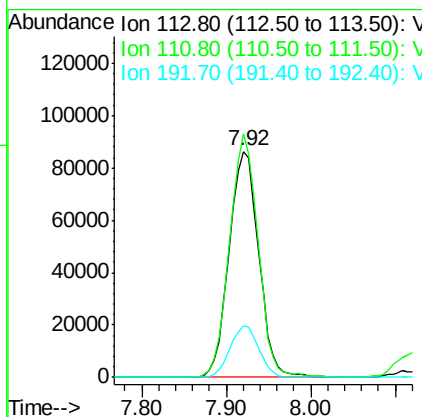
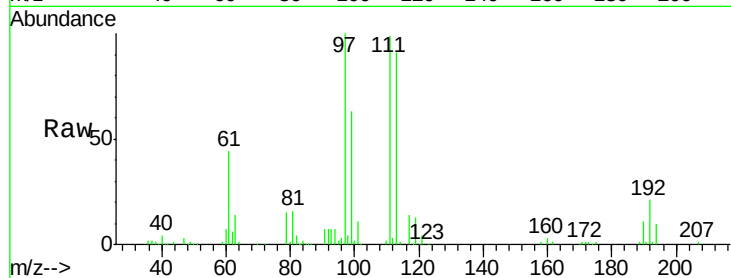
#35
 Dibromofluoromethane
 Concen: 52.240 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	208497		
111	103.7	82.9	124.3	
192	22.1	17.3	25.9	

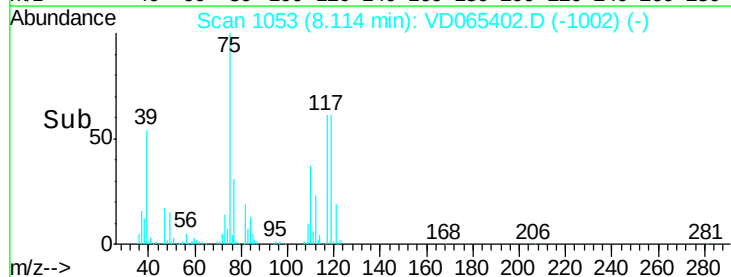
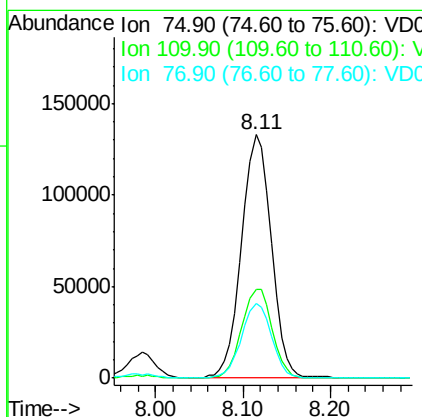
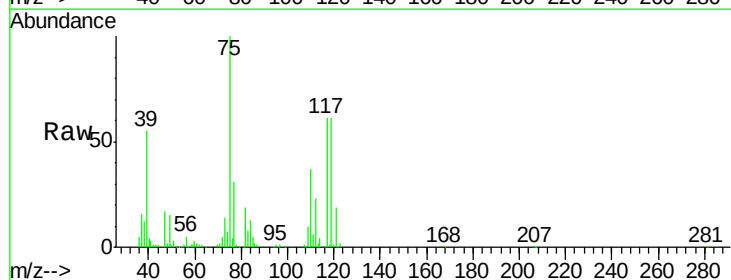
Manual Integrations
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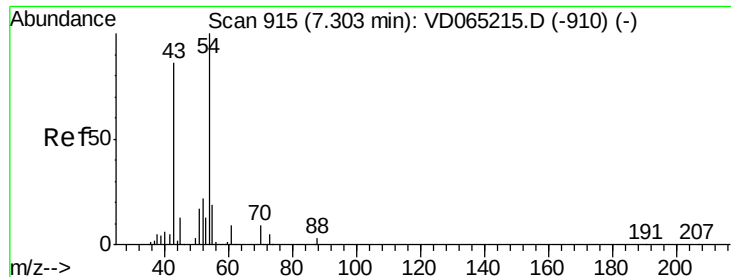
MMDadoda
 3/4/2020 2:01:36 PM



#36
 1,1-Dichloropropene
 Concen: 48.423 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	308402		
110	37.1	17.9	53.7	
77	31.3	25.1	37.7	





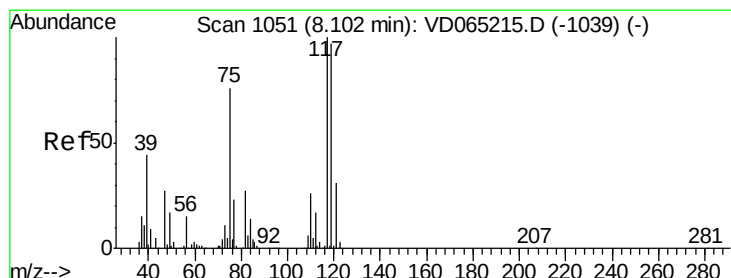
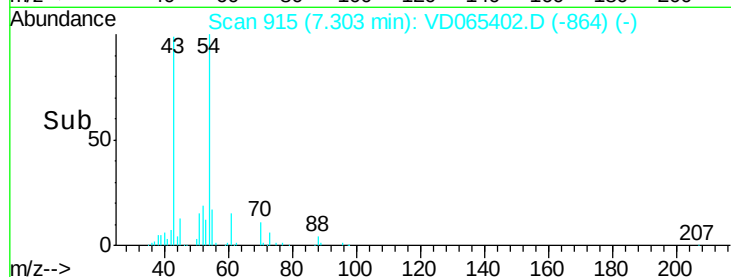
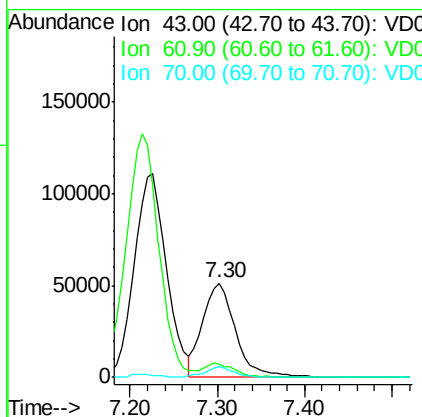
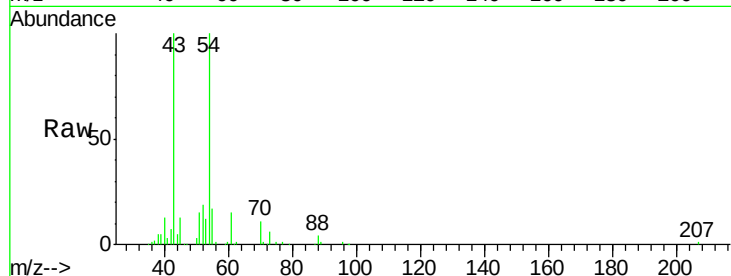
#37
Ethyl Acetate
Concen: 49.786 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	132554
Ion	Ratio	Lower	Upper
43	100		
61	12.9	11.2	16.8
70	10.1	8.2	12.2

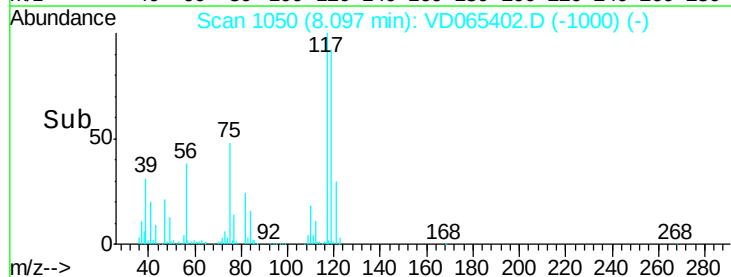
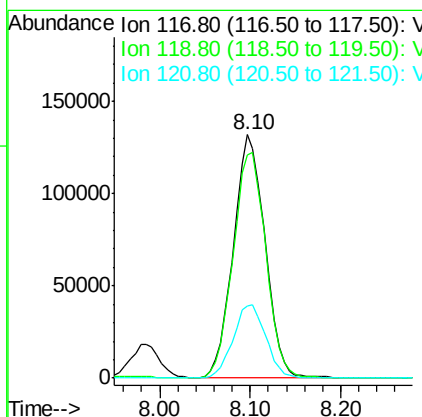
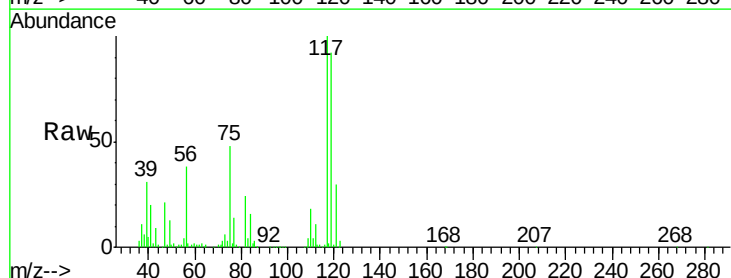
Manual Integrations
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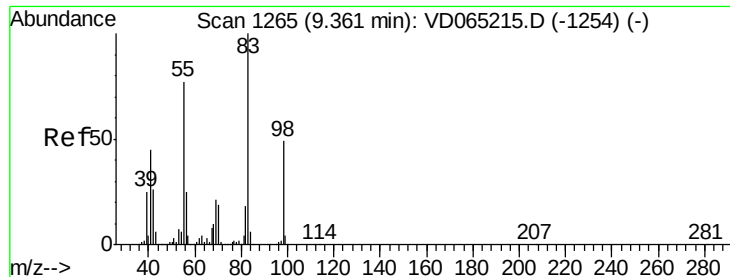
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#38
Carbon Tetrachloride
Concen: 49.209 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	117	Resp	319045
Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.6	116.4
121	29.7	24.8	37.2





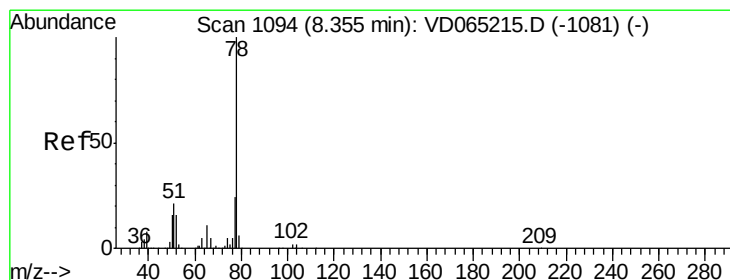
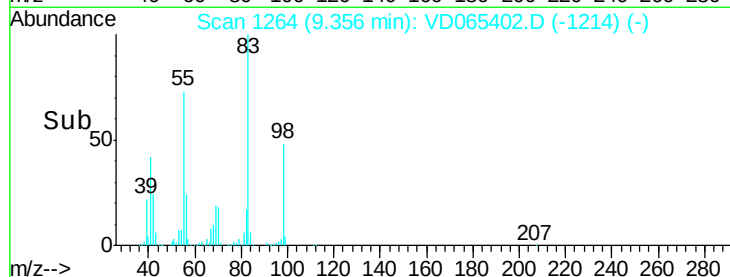
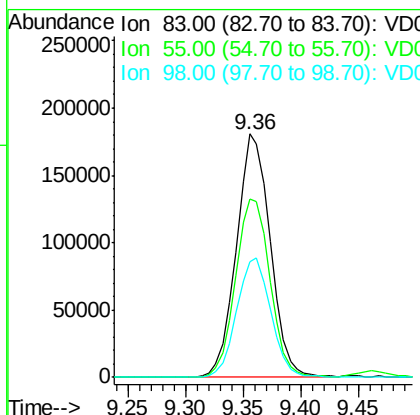
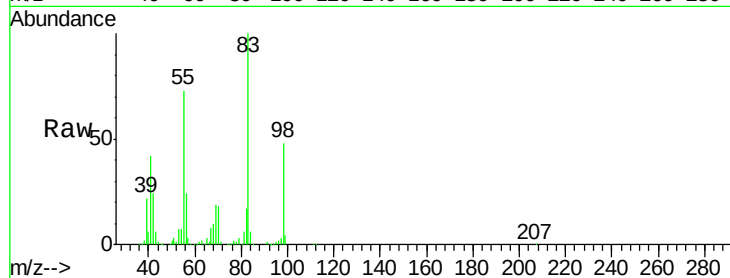
#39
Methylvlcyclohexane
Concen: 49.354 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.4	61.8	92.6
98	47.6	39.4	59.0

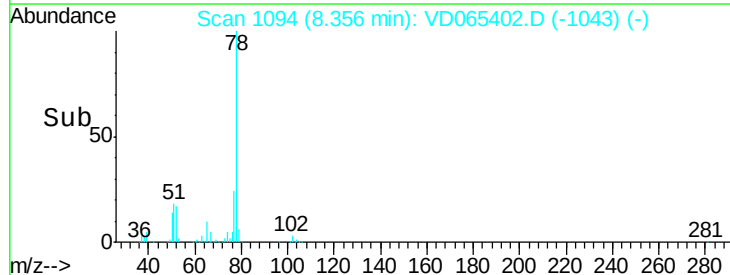
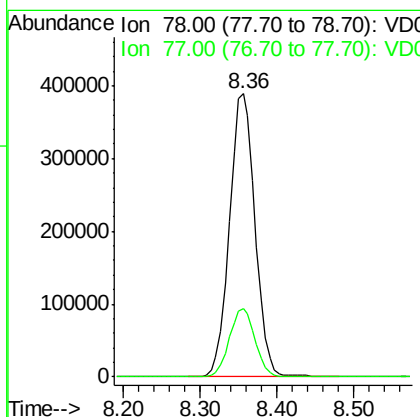
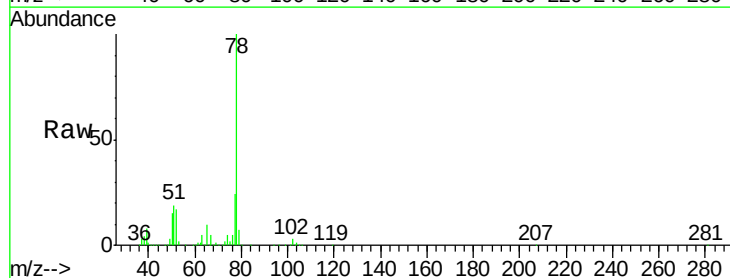
Manual Integrations
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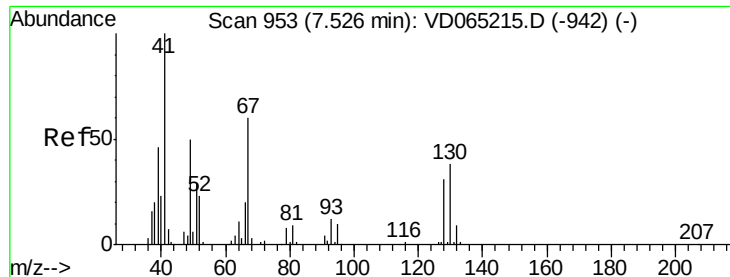
MMDadoda
3/4/2020 2:01:36 PM



#40
Benzene
Concen: 50.154 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.6





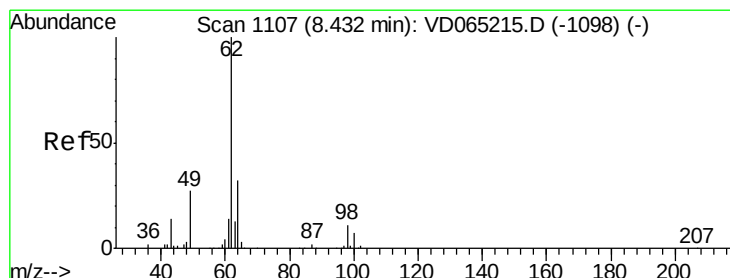
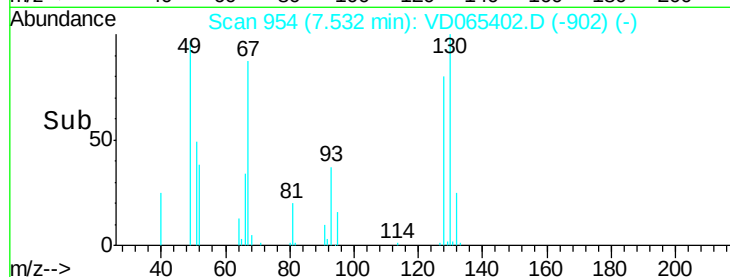
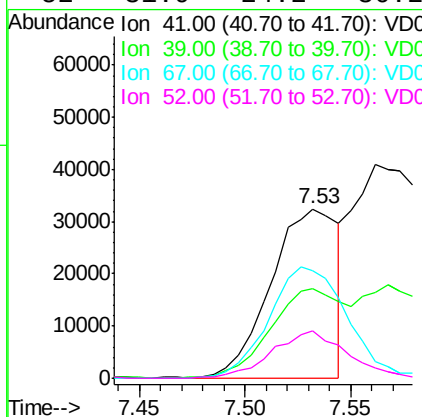
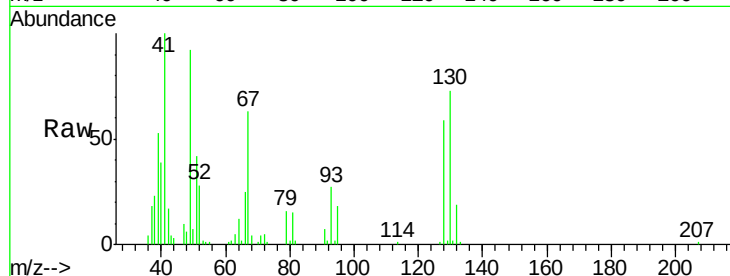
#41
Methacrylonitrile
Concen: 46.824 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	58.8	48.1	72.1	
67	76.9	58.9	88.3	
52	31.9	24.2	36.2	

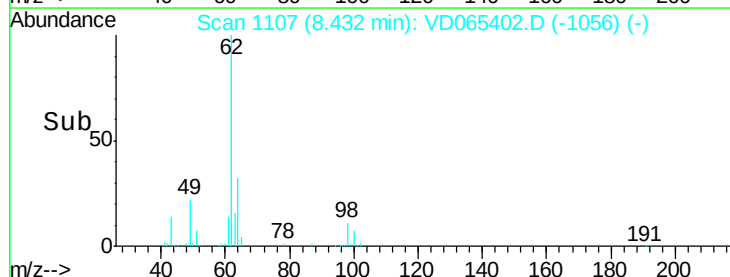
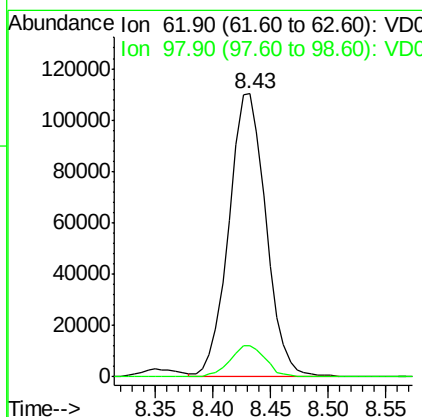
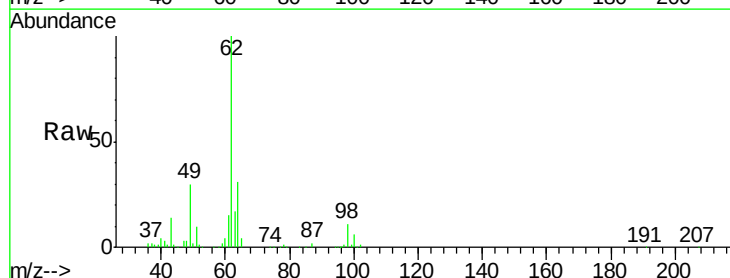
Manual Integrations
APPROVED

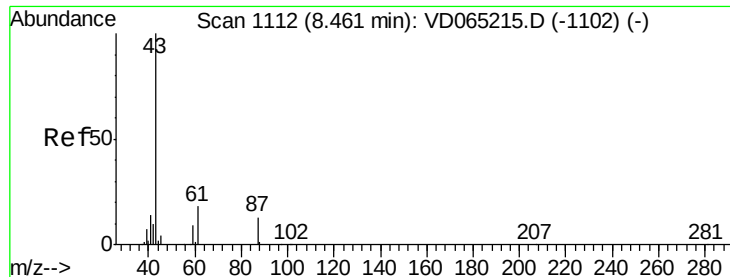
MMDadoda
3/4/2020 2:01:36 PM



#42
1,2-Dichloroethane
Concen: 49.512 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

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





#43

Isopropyl Acetate

Concen: 51.179 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

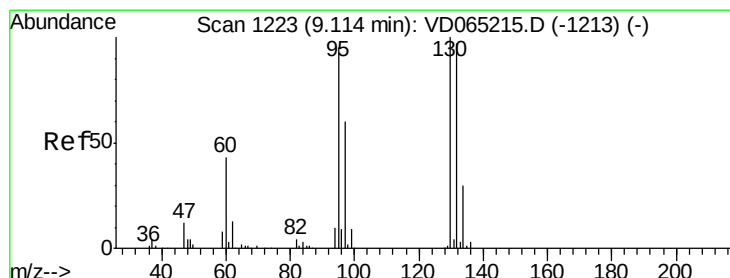
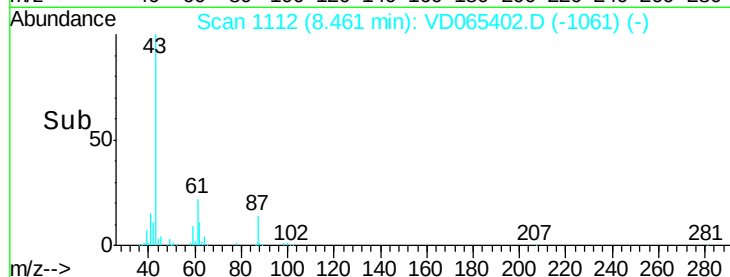
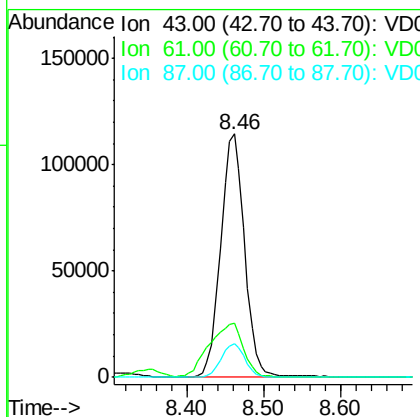
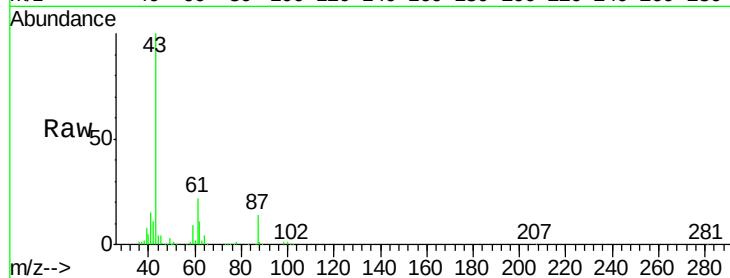
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	247792
Ion	Ratio	Lower	Upper
43	100		
61	31.8	24.6	36.8
87	13.7	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 50.658 ug/l

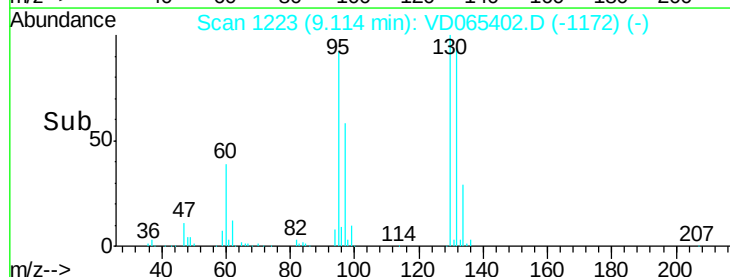
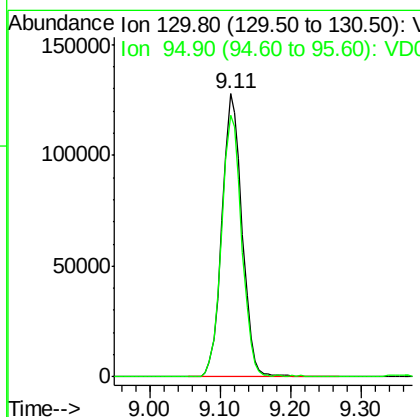
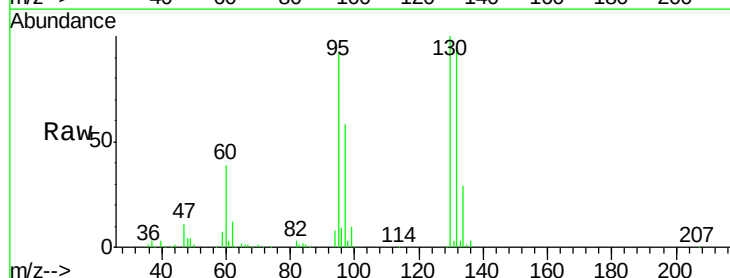
RT: 9.11 min Scan# 1223

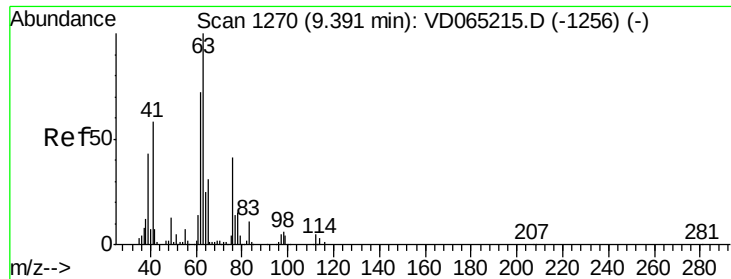
Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Tgt Ion:	130	Resp:	252436
Ion	Ratio	Lower	Upper
130	100		
95	92.3	0.0	190.6





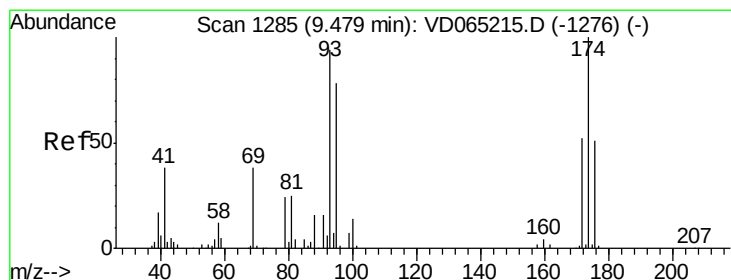
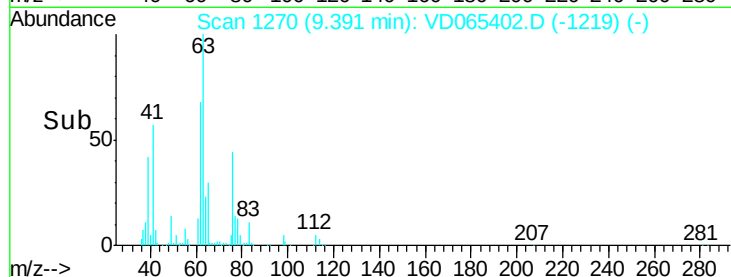
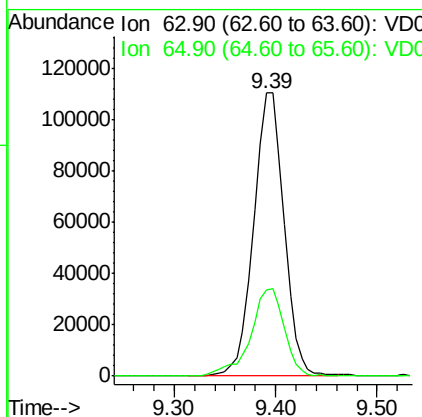
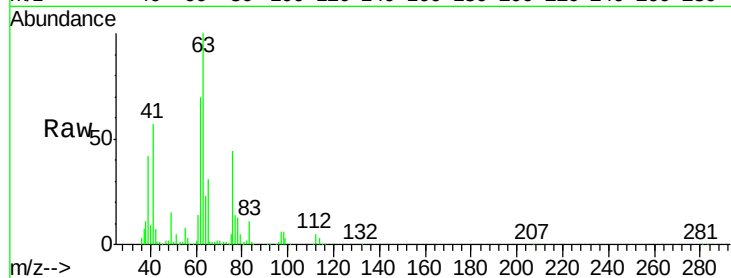
#45
 1,2-Dichloropropane
 Concen: 51.491 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	24.9	37.3

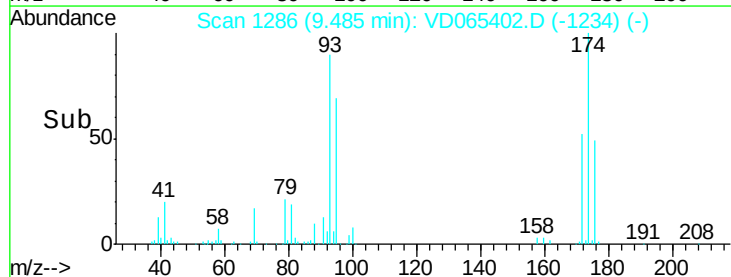
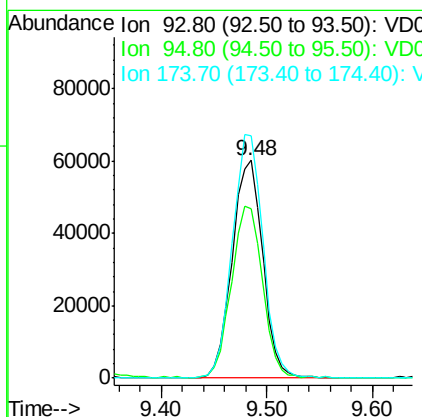
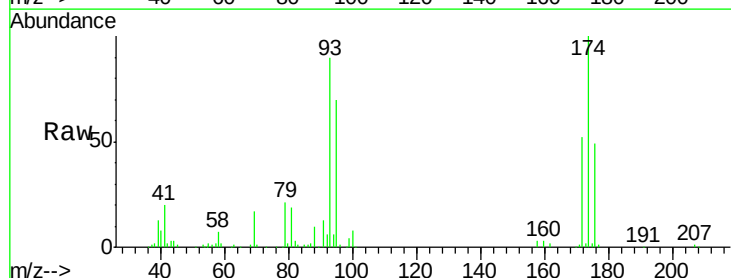
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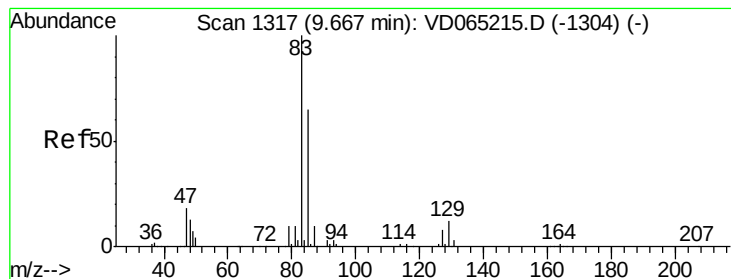
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#46
 Dibromomethane
 Concen: 52.595 ug/l
 RT: 9.48 min Scan# 1286
 Delta R.T. 0.01 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.7	65.8	98.6
174	111.2	86.8	130.2





#47

Bromodichloromethane

Concen: 51.234 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

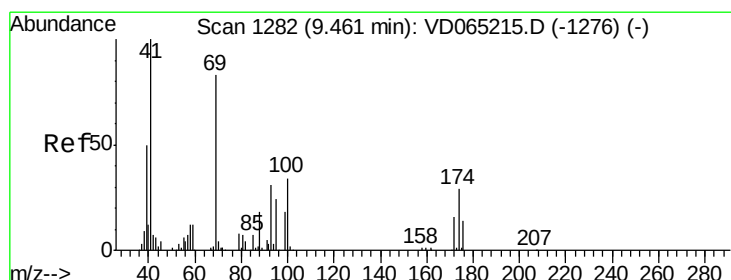
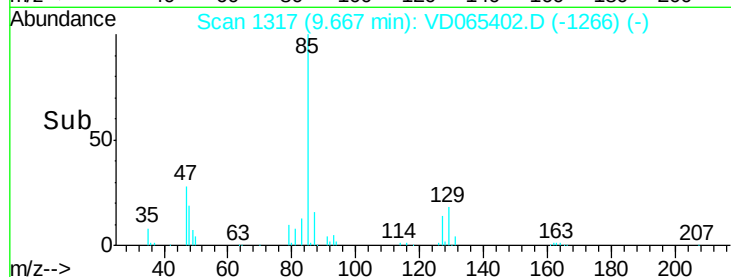
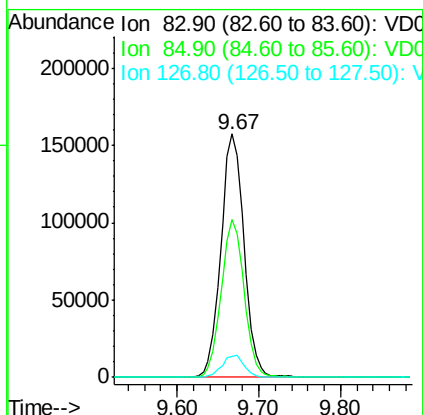
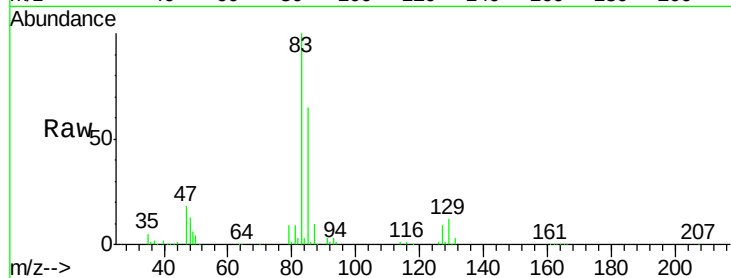
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	310537
Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.0	78.0
127	8.8	6.7	10.1

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#48

Methyl methacrylate

Concen: 50.419 ug/l

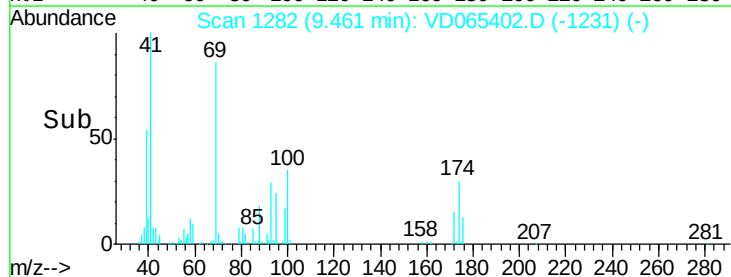
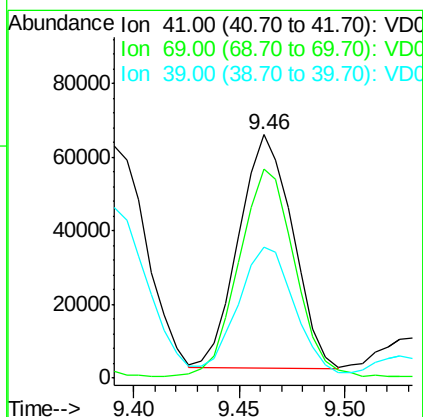
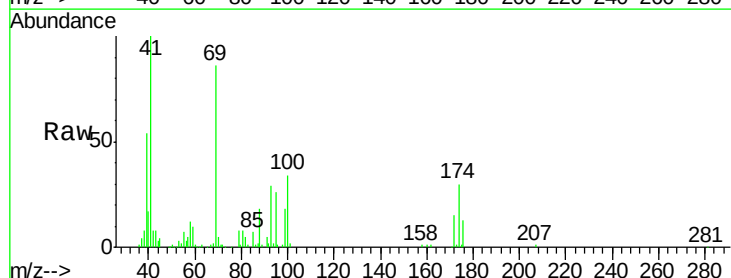
RT: 9.46 min Scan# 1282

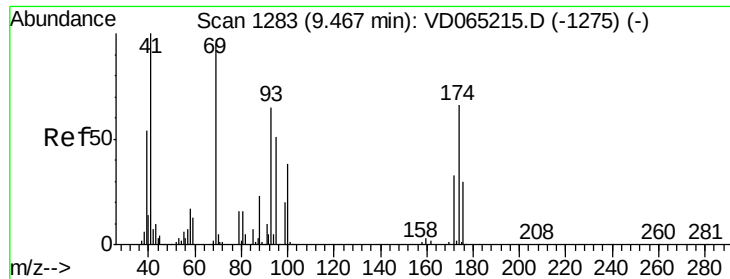
Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Tgt Ion:	41	Resp:	112836
Ion	Ratio	Lower	Upper
41	100		
69	92.8	68.2	102.2
39	59.6	42.0	63.0





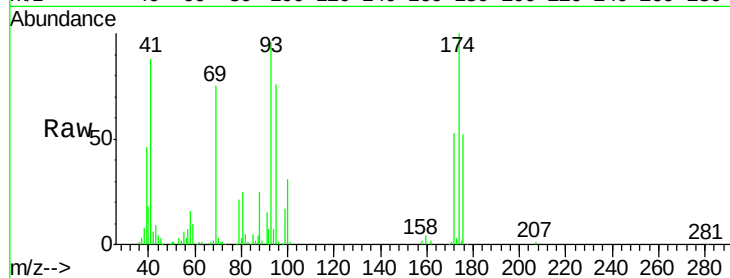
#49
1,4-Dioxane
Concen: 1027.178 ug/l
RT: 9.47 min Scan# 1284
Delta R.T. 0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

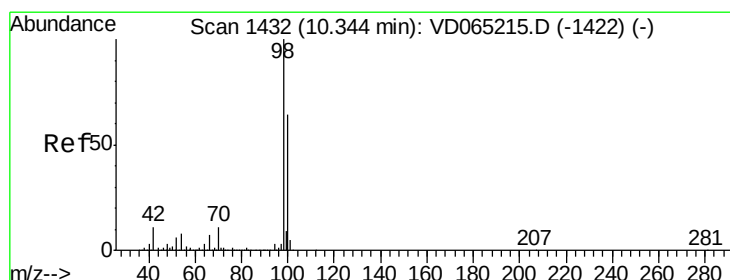
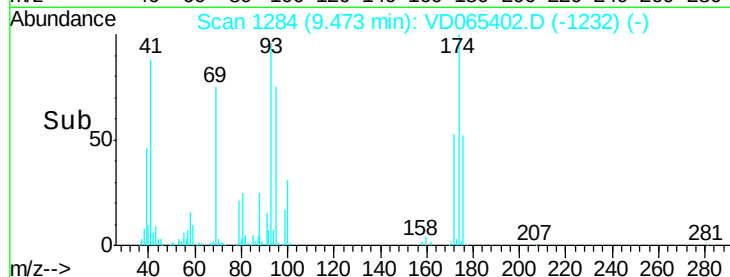
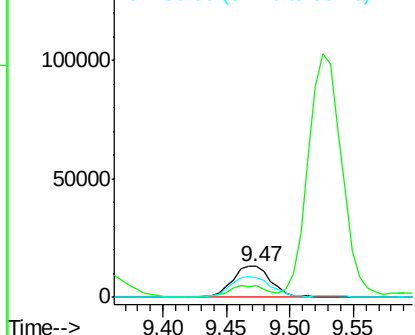
Tot Ion	88	Resp	27708
Ion Ratio	Lower	Upper	
88	100		
43	38.9	28.5	42.7
58	70.2	58.6	87.8

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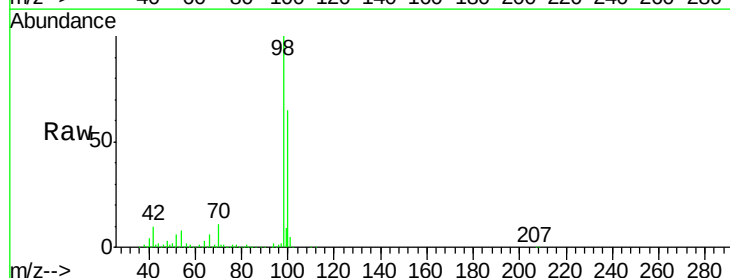


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

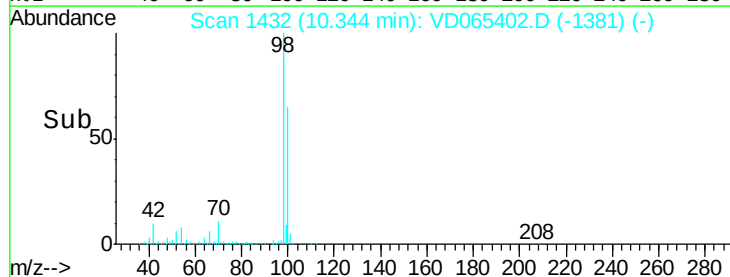
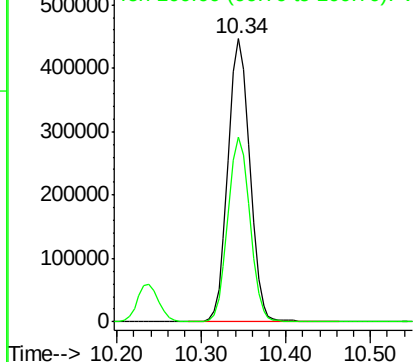


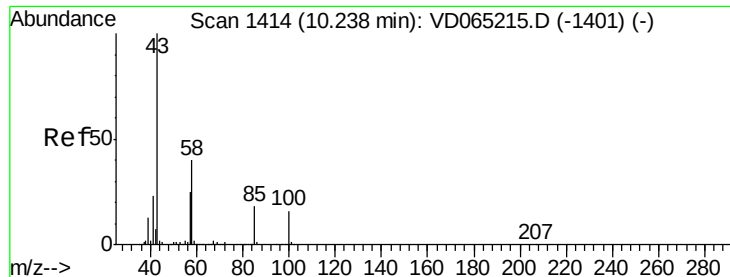
#50
Toluene-d8
Concen: 52.266 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	98	Resp	797461
Ion Ratio	Lower	Upper	
98	100		
100	65.7	52.0	78.0



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





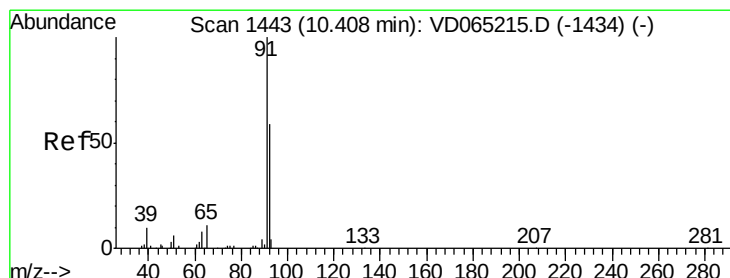
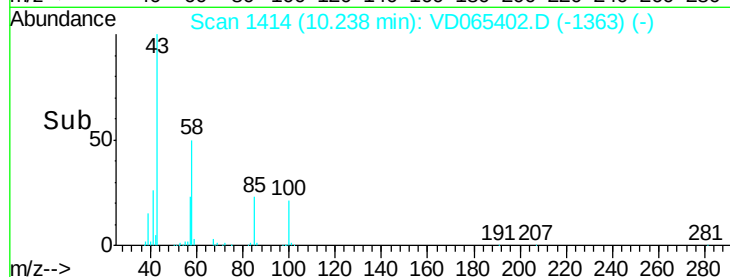
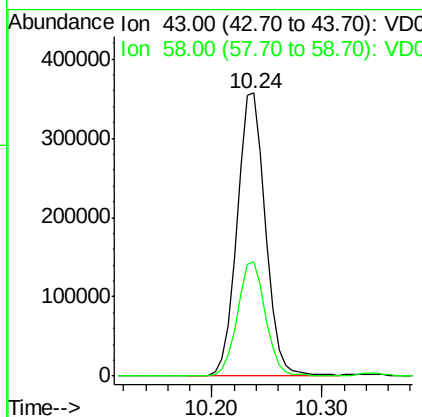
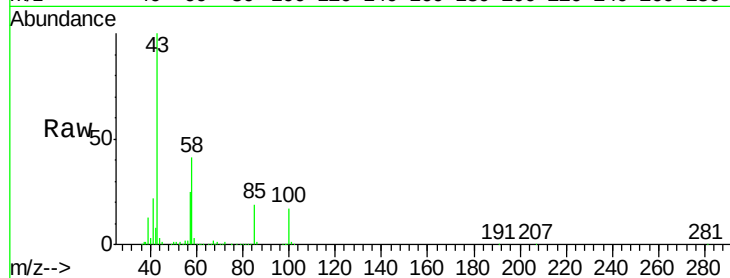
#51
4-Methyl-2-Pentanone
Concen: 262.428 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	43	Resp	645346
Ion Ratio	100	Lower	Upper
43	100		
58	40.0	31.1	46.7

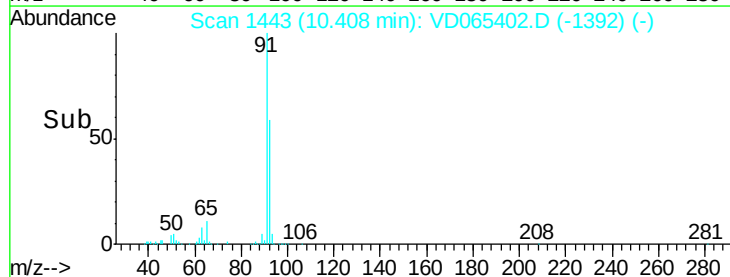
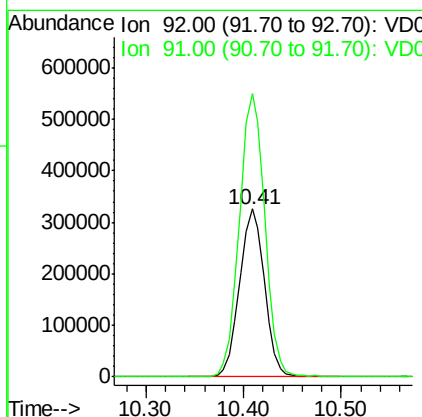
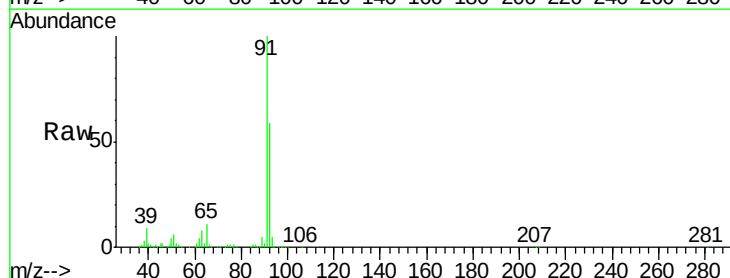
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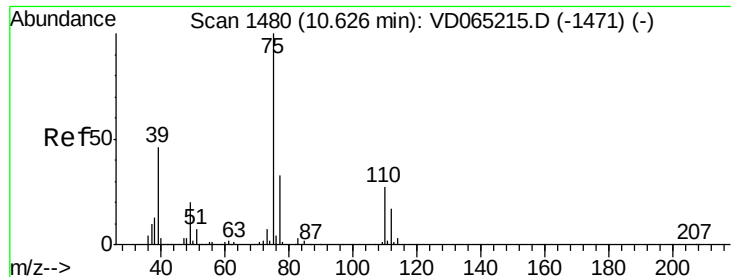
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#52
Toluene
Concen: 52.262 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	92	Resp	581536
Ion Ratio	100	Lower	Upper
92	100		
91	172.0	136.3	204.5





#53

t-1,3-Dichloropropene

Concen: 52.259 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 293600

Ion Ratio Lower Upper

75 100

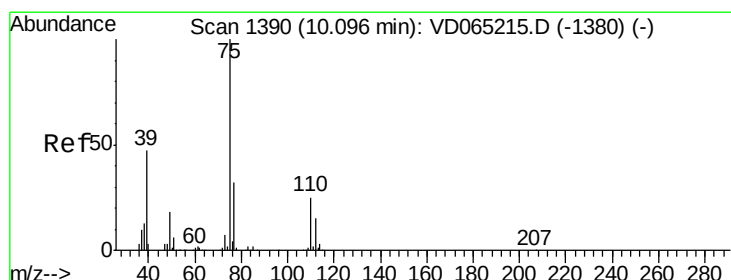
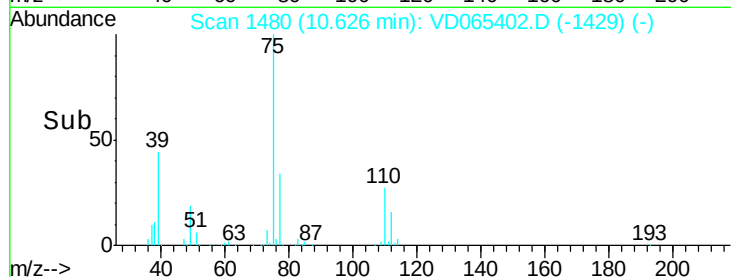
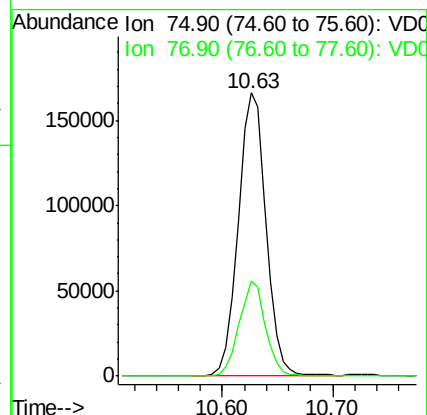
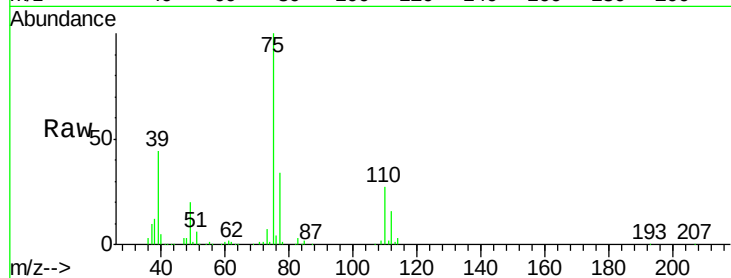
77 33.7 26.6 40.0

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#54

cis-1,3-Dichloropropene

Concen: 52.844 ug/l

RT: 10.10 min Scan# 1390

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

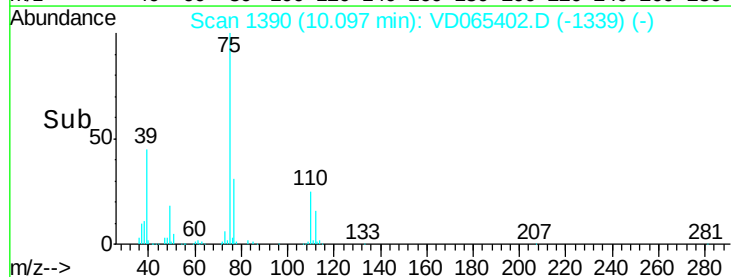
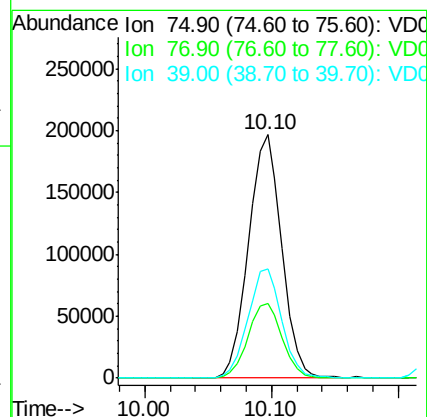
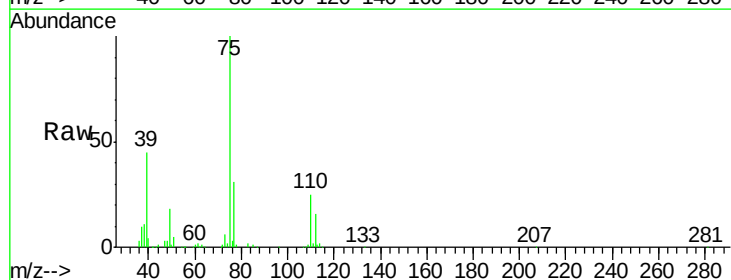
Tgt Ion: 75 Resp: 358504

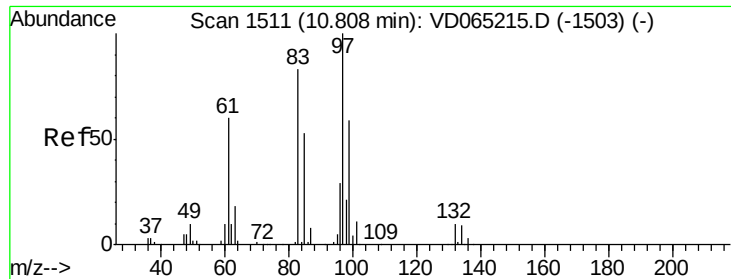
Ion Ratio Lower Upper

75 100

77 30.9 25.8 38.8

39 44.8 37.3 55.9





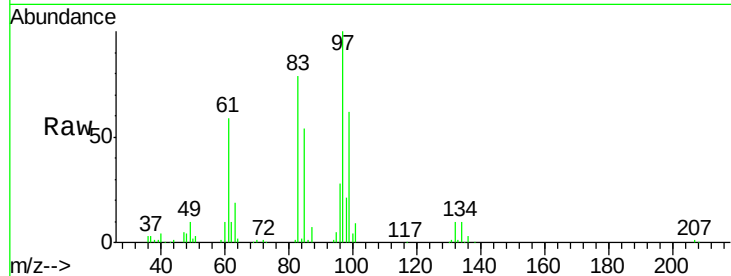
#55
 1,1,2-Trichloroethane
 Concen: 53.429 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

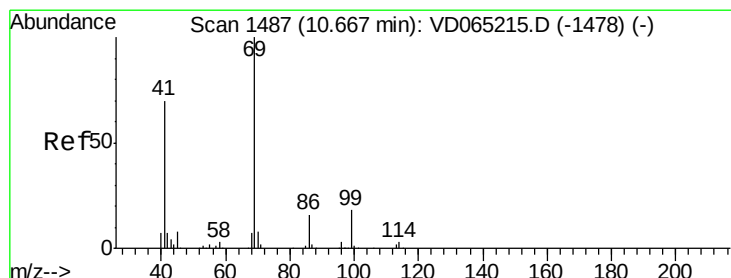
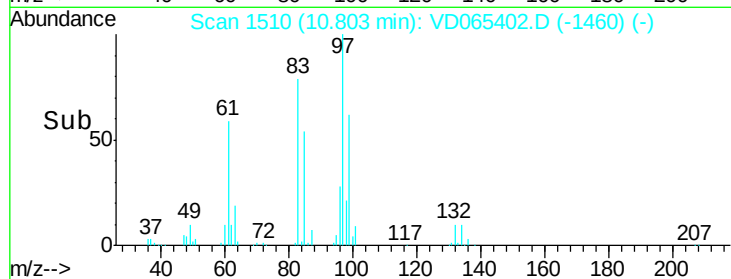
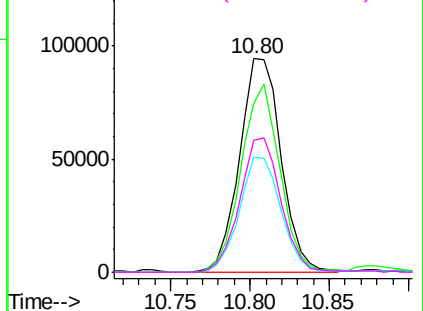
Tot Ion:	97	Resp:	172960
Ion	Ratio	Lower	Upper
97	100		
83	79.2	66.7	100.1
85	53.8	42.4	63.6
99	62.0	47.5	71.3

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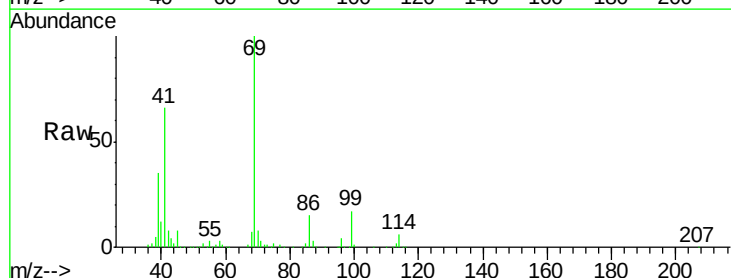


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

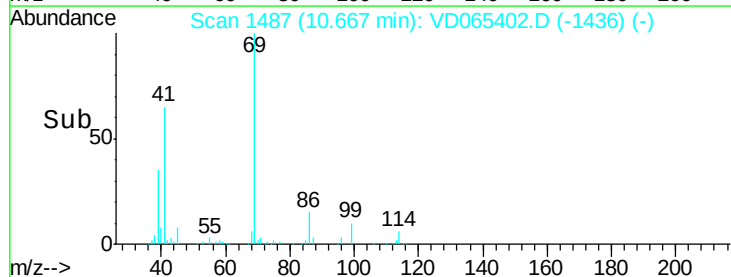
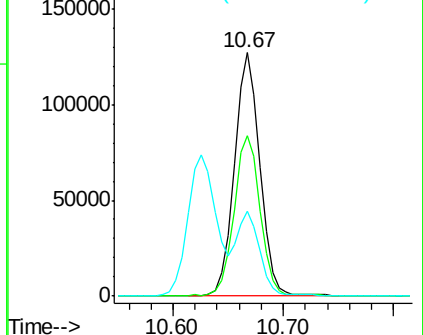


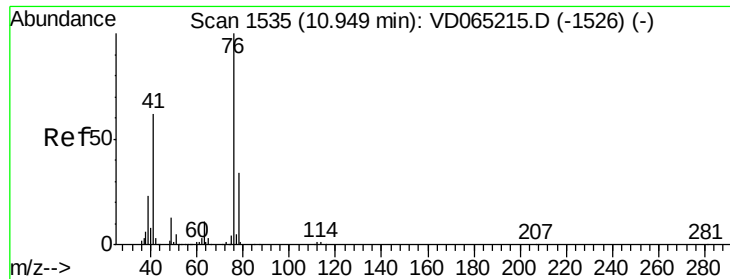
#56
 Ethyl methacrylate
 Concen: 55.197 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion:	69	Resp:	206237
Ion	Ratio	Lower	Upper
69	100		
41	67.3	54.6	81.8
39	32.3	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





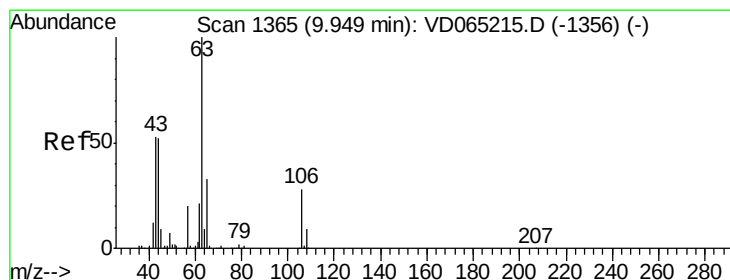
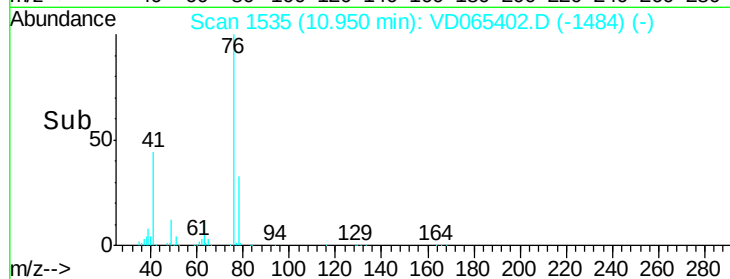
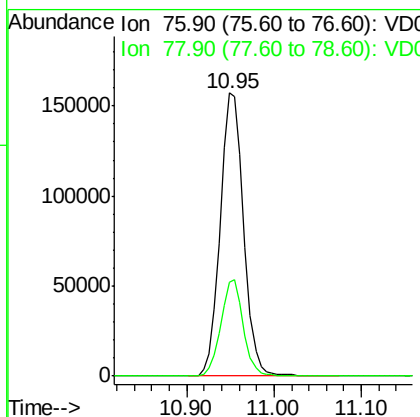
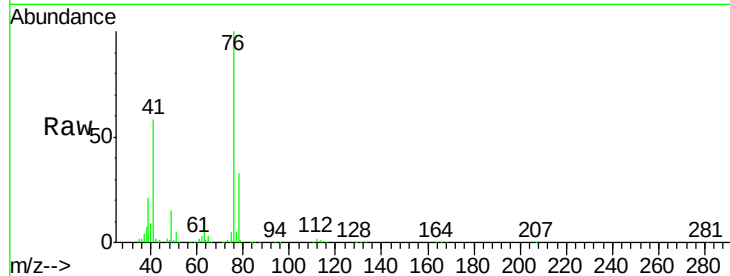
#57
 1,3-Dichloropropane
 Concen: 52.760 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.6	26.3	39.5

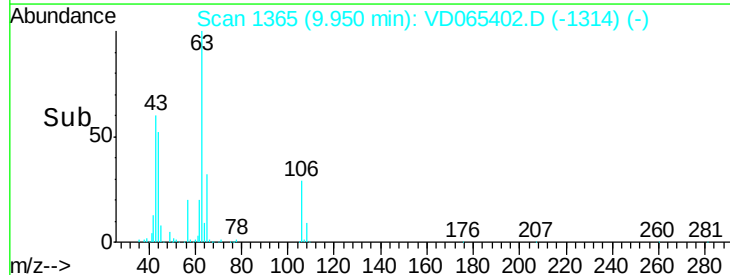
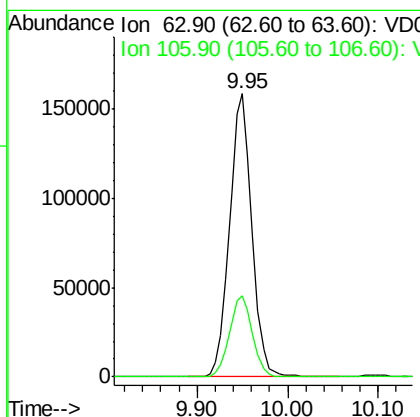
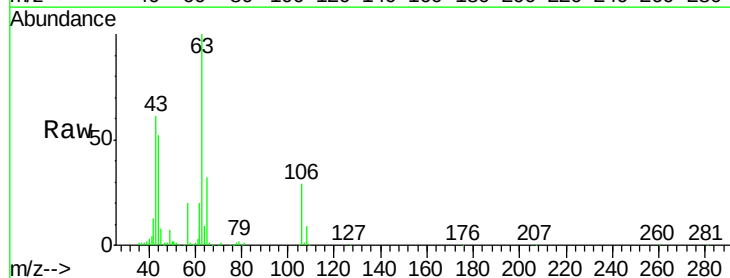
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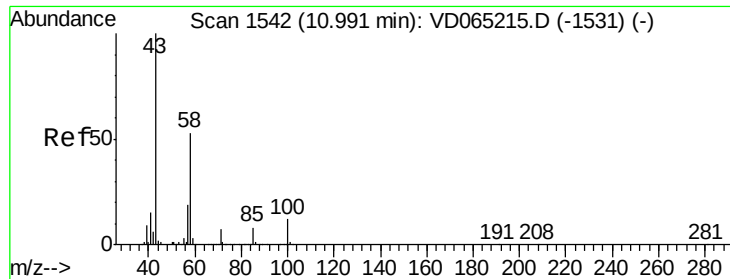
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#58
 2-Chloroethyl Vinyl ether
 Concen: 229.926 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.6	22.8	34.2





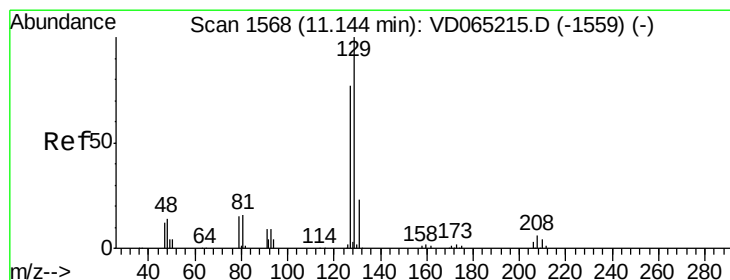
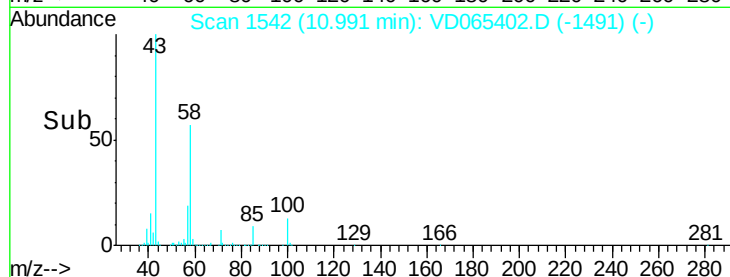
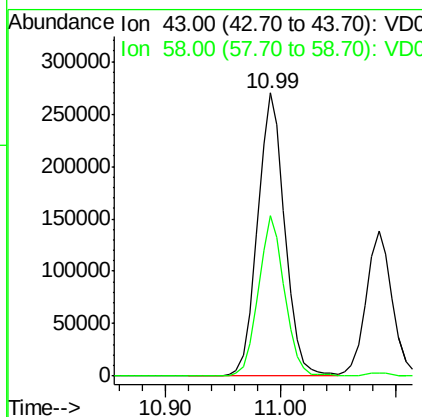
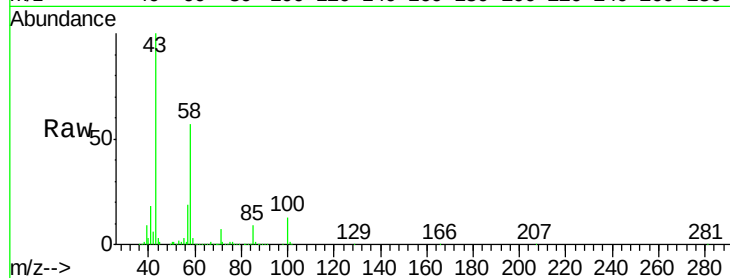
#59
2-Hexanone
Concen: 251.209 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 442216
Ion Ratio Lower Upper
43 100
58 54.5 26.3 78.8

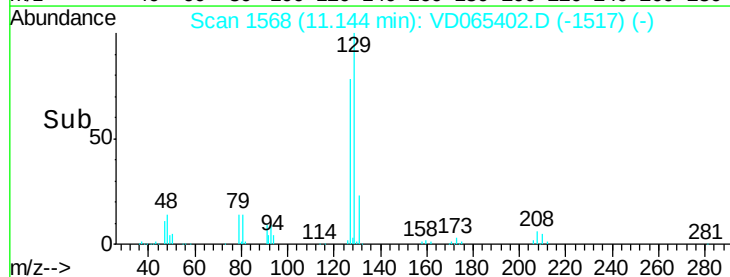
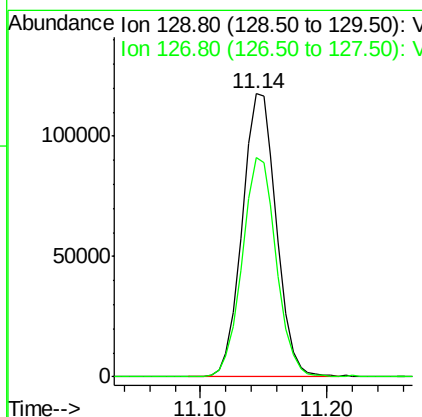
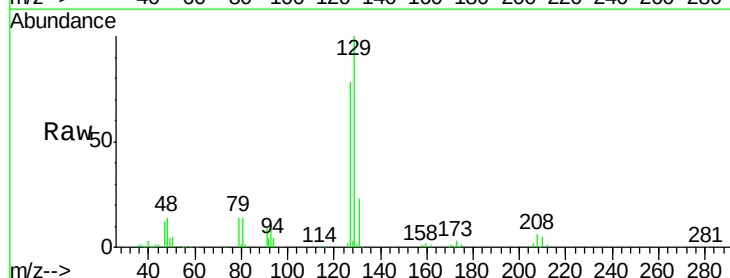
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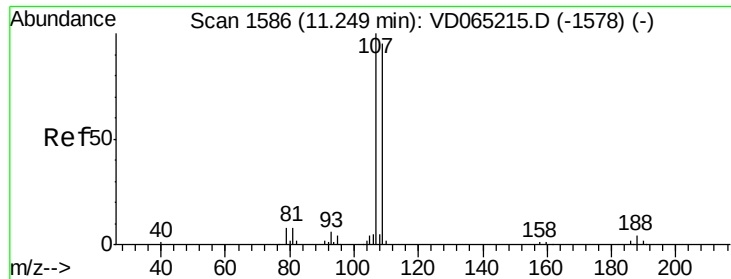
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#60
Dibromochloromethane
Concen: 53.040 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion: 129 Resp: 219761
Ion Ratio Lower Upper
129 100
127 77.2 38.7 116.1





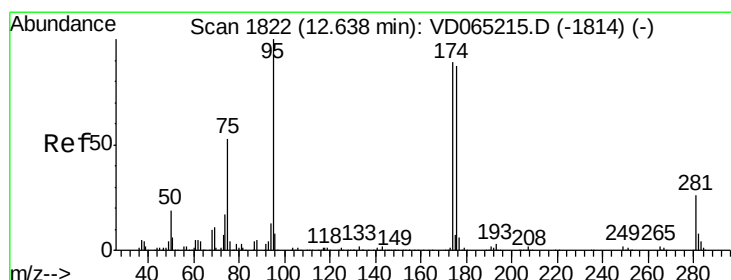
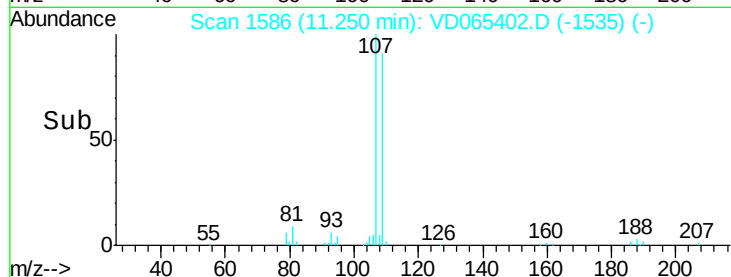
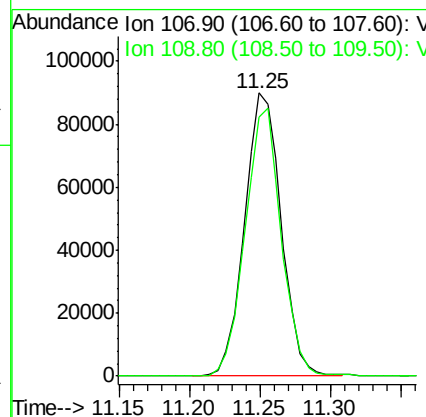
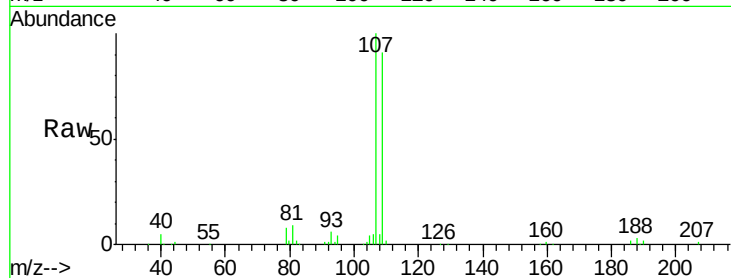
#61
 1,2-Dibromoethane
 Concen: 53.240 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	76.2	114.4

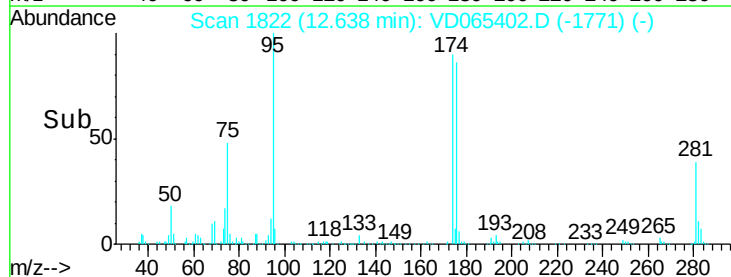
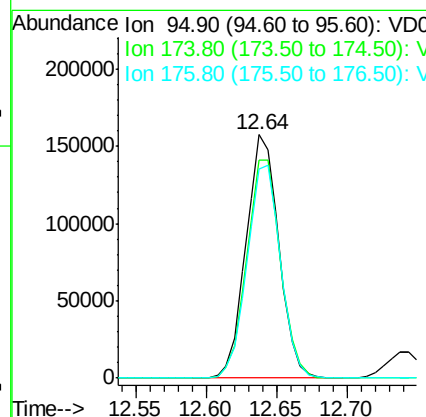
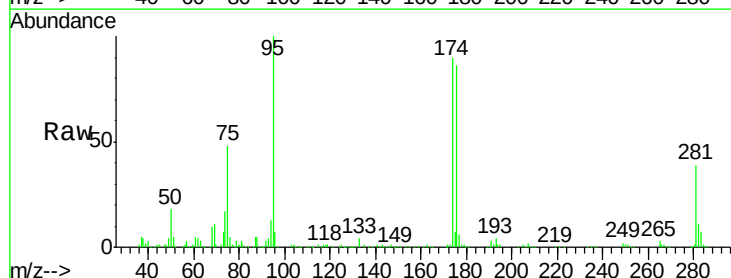
Manual Integrations
 APPROVED

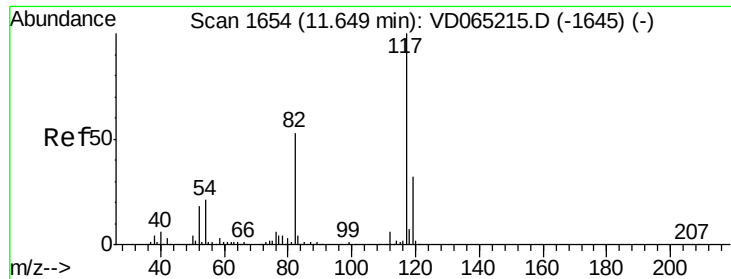
MMDadoda
 3/4/2020 2:01:36 PM



#62
 4-Bromofluorobenzene
 Concen: 53.060 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.2	0.0	178.0
176	89.5	0.0	174.4





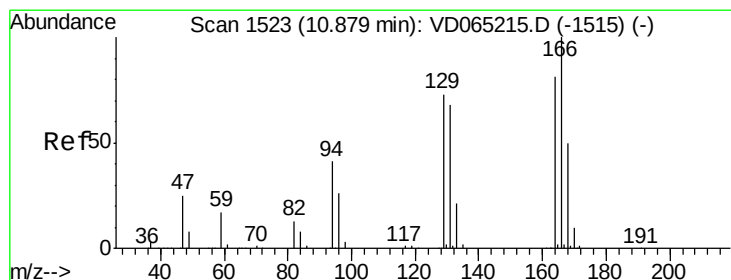
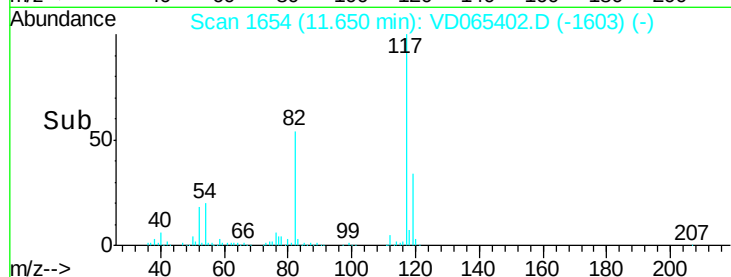
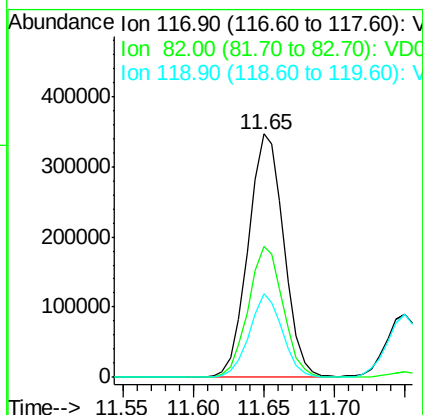
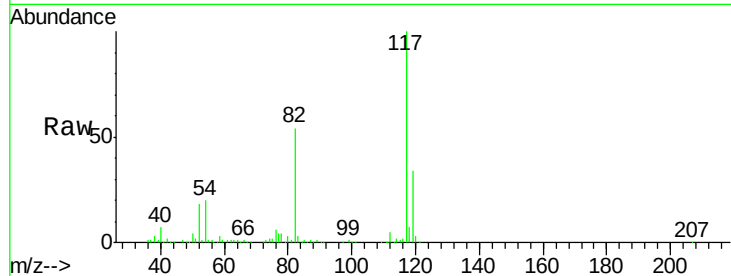
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.7	64.1
119	34.4	25.5	38.3

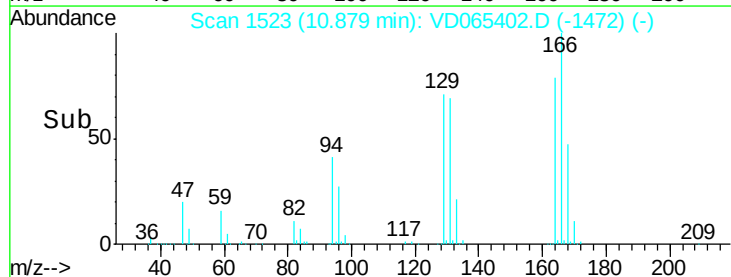
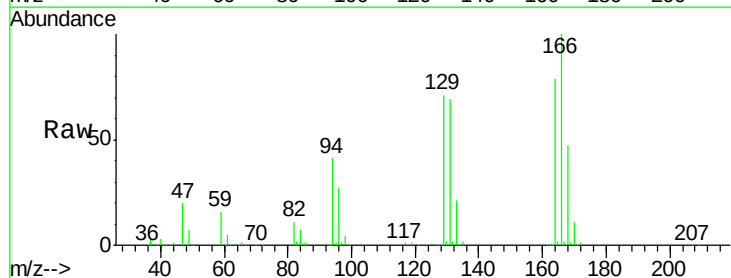
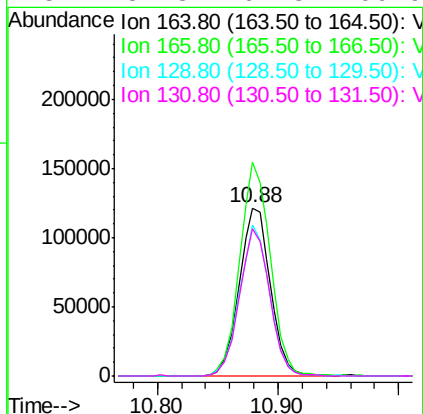
Manual Integrations
APPROVED

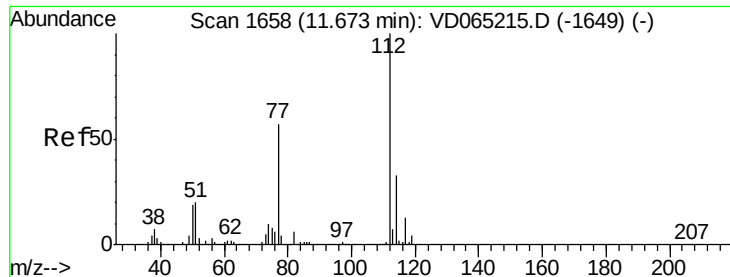
MMDadoda
3/4/2020 2:01:36 PM



#64
Tetrachloroethene
Concen: 50.210 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.0	98.4	147.6
129	90.1	71.6	107.4
131	87.3	67.3	100.9





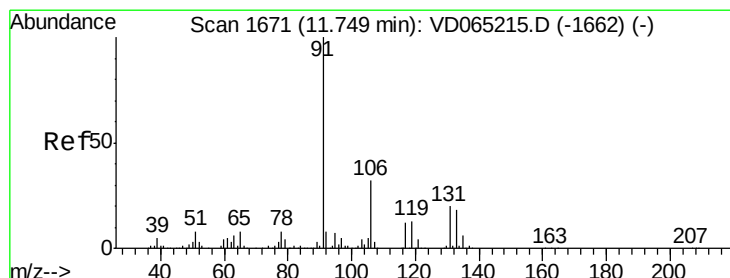
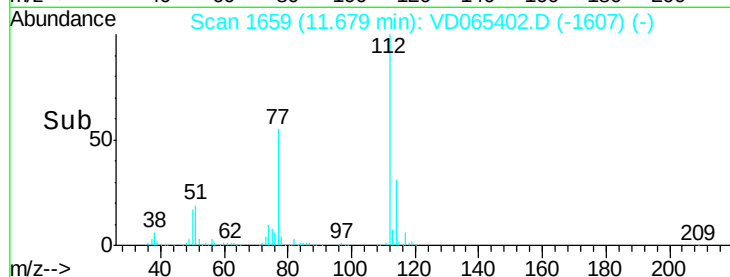
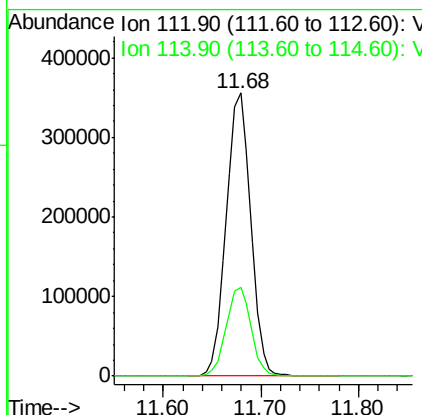
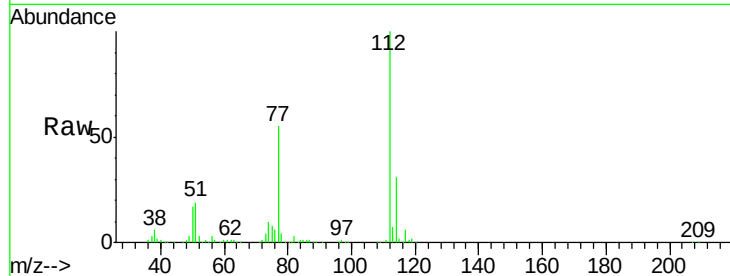
#65
Chlorobenzene
Concen: 50.606 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.2	26.4	39.6

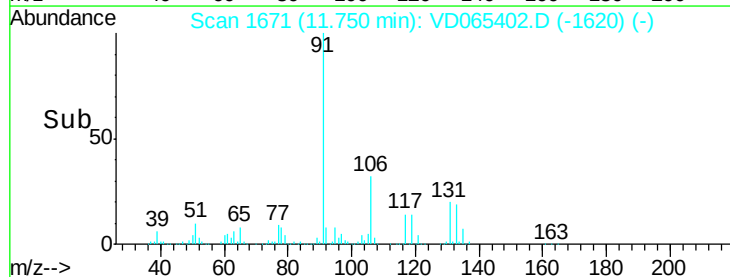
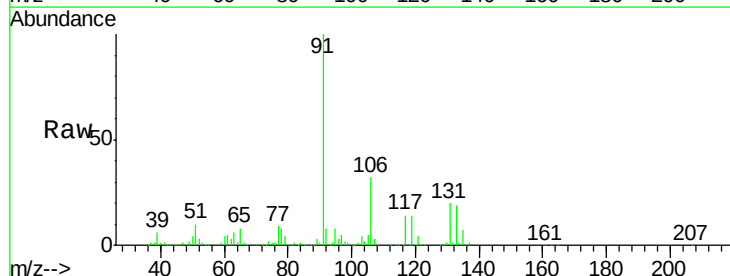
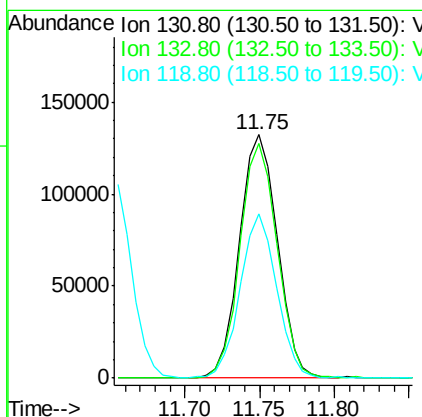
Manual Integrations
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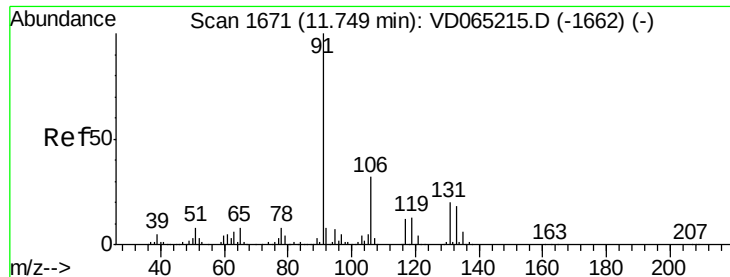
MMDadoda
3/4/2020 2:01:36 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.839 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.0	47.7	143.1
119	65.1	32.7	98.1





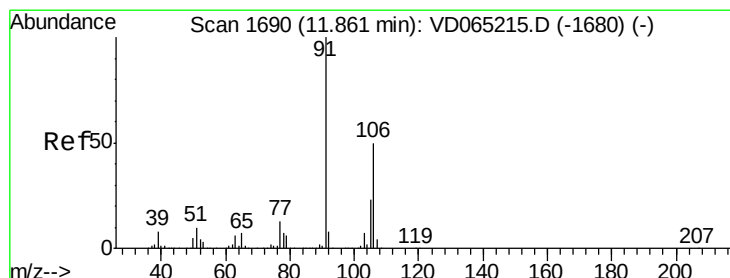
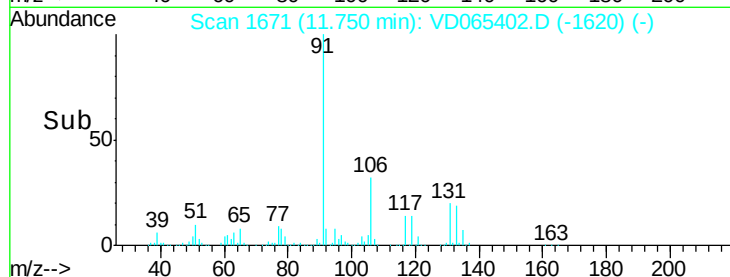
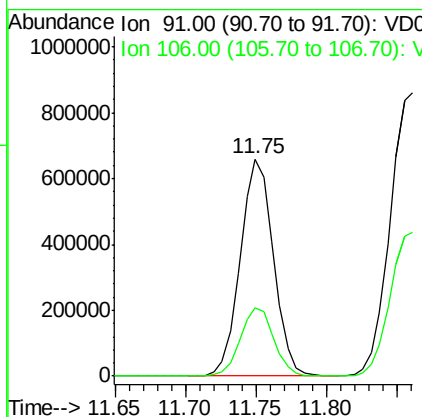
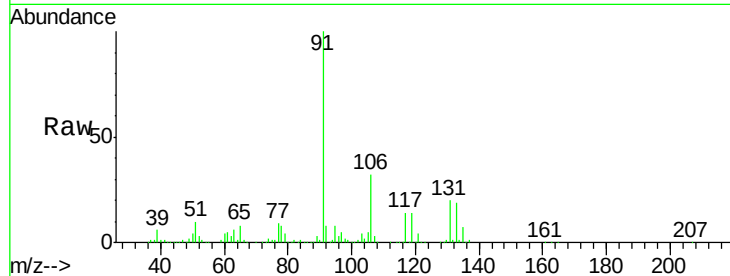
#67
Ethyl Benzene
Concen: 50.355 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1084984
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

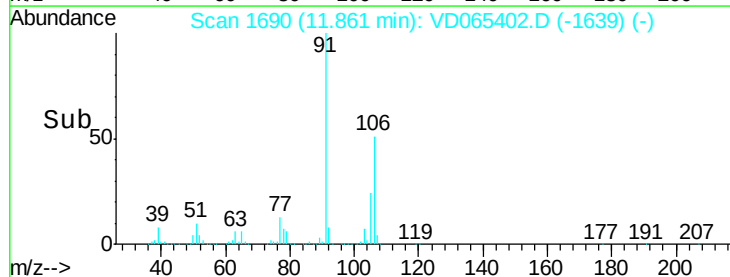
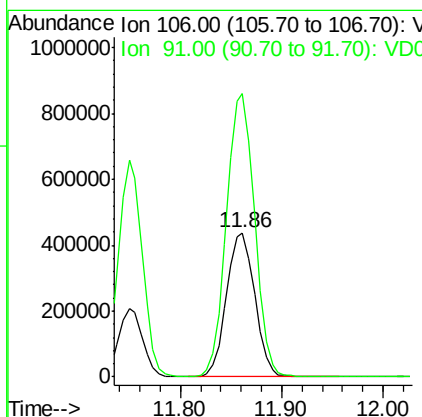
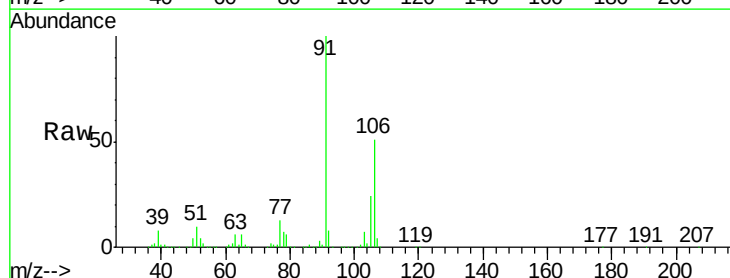
Manual Integrations
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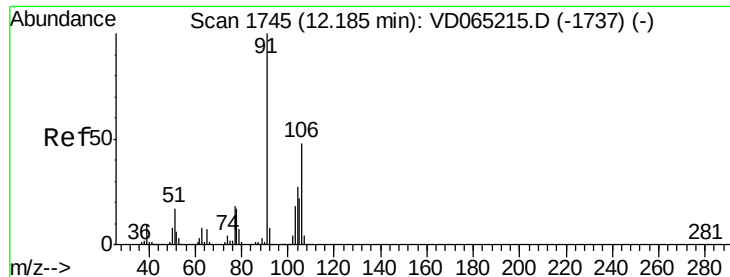
MMDadoda
3/4/2020 2:01:36 PM



#68
m/p-Xylenes
Concen: 102.721 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion: 106 Resp: 846787
Ion Ratio Lower Upper
106 100
91 195.6 158.2 237.4





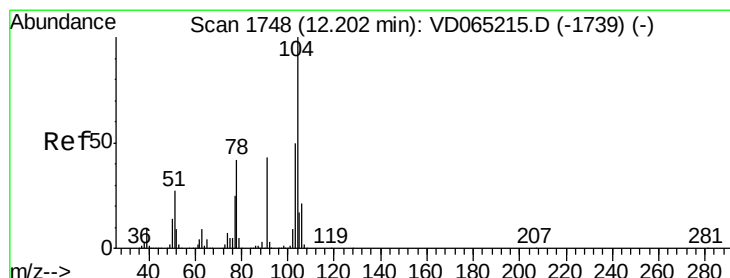
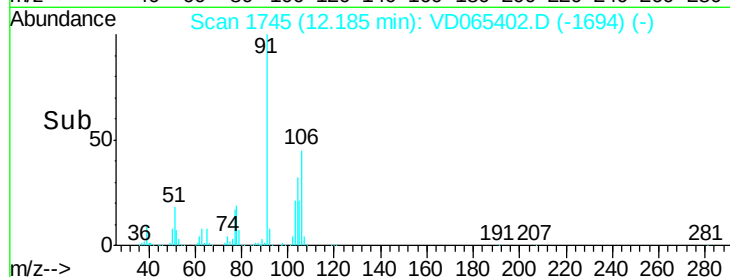
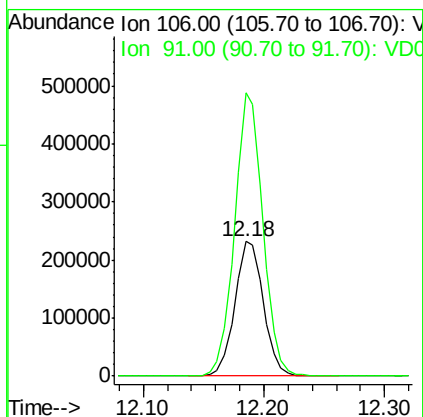
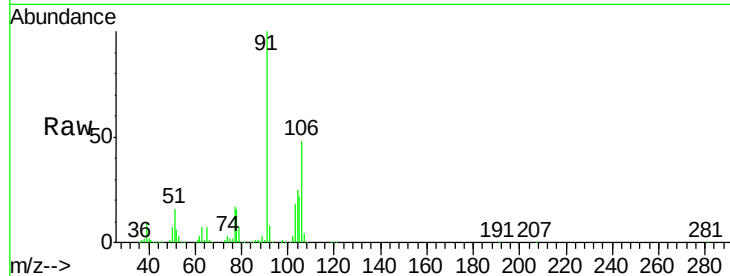
#69
o-Xylene
Concen: 52.108 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	380563		
91	91	209.0	104.7	313.9	

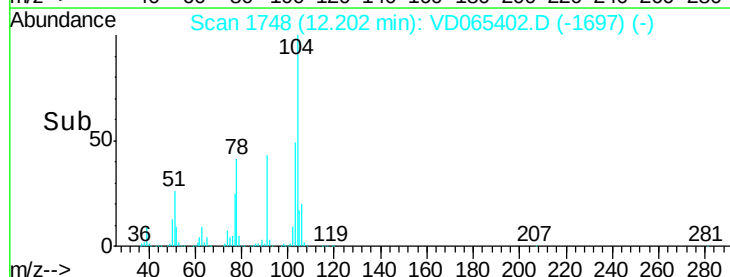
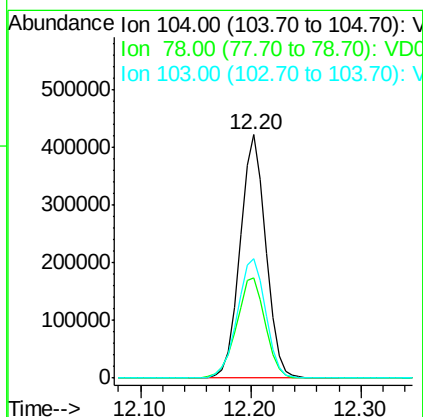
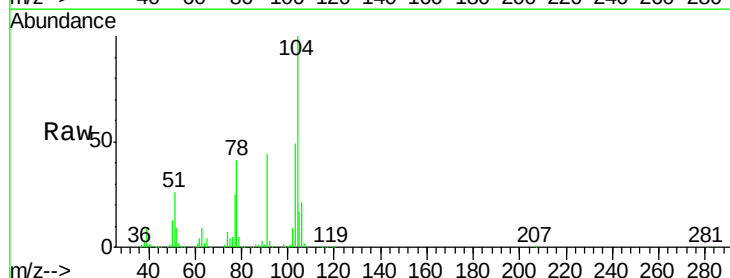
Manual Integrations
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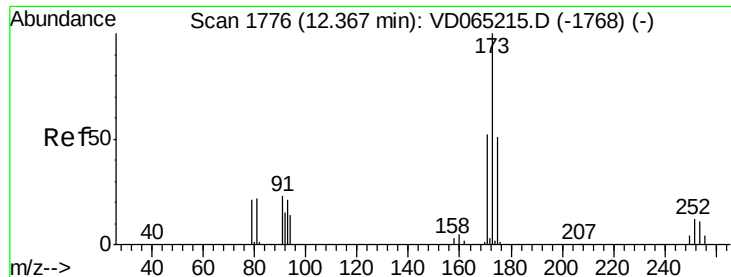
MMDadoda
3/4/2020 2:01:36 PM



#70
Styrene
Concen: 53.299 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	691114		
78	78	45.9	37.8	56.6	
103	103	54.2	43.4	65.2	





#71

Bromoform

Concen: 51.646 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:173 Resp: 131571

Ion Ratio Lower Upper

173 100

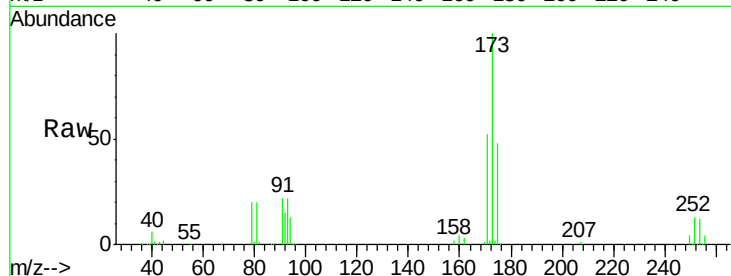
175 48.8 24.4 73.4

254 0.1 0.0 0.0#

Manual Integrations
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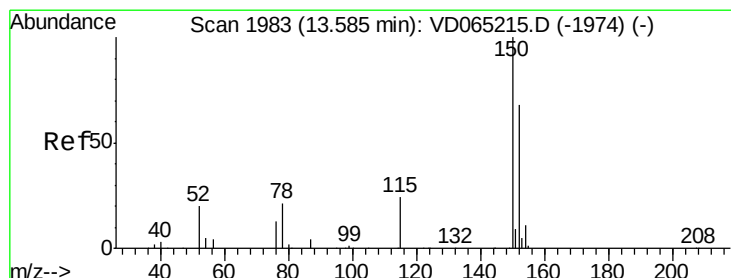
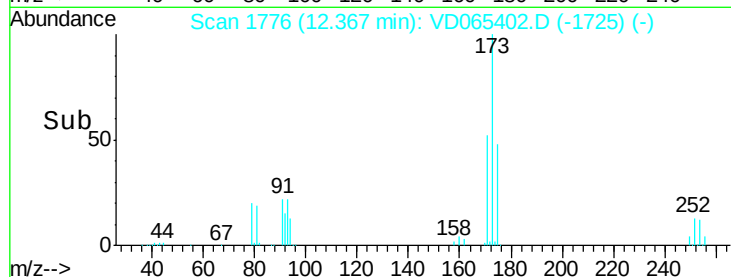
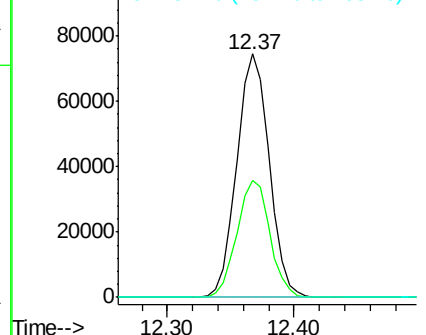
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Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

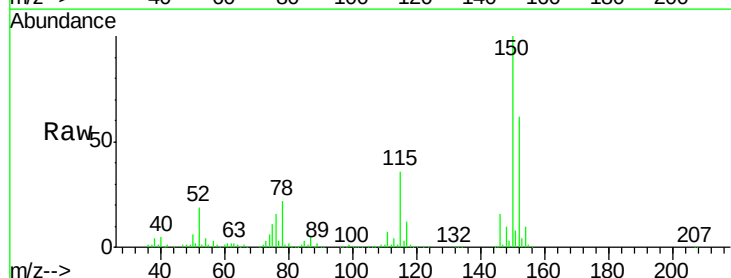
Tgt Ion:152 Resp: 305367

Ion Ratio Lower Upper

152 100

115 56.7 27.6 82.8

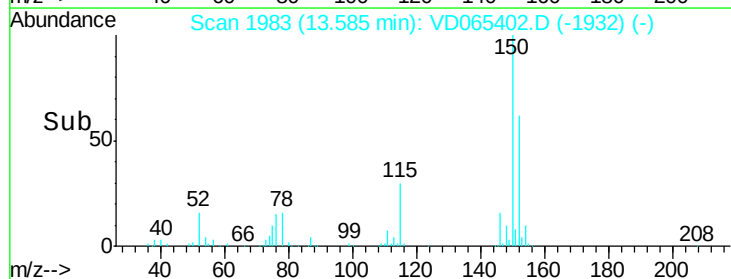
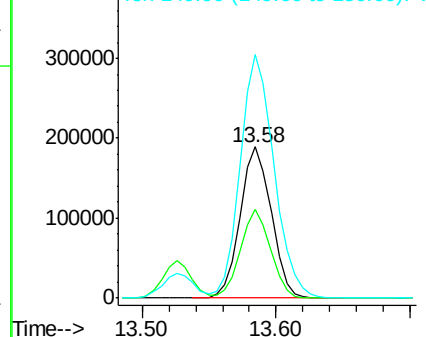
150 175.3 0.0 347.4

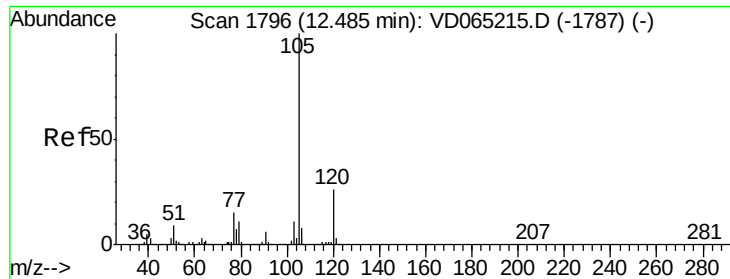


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





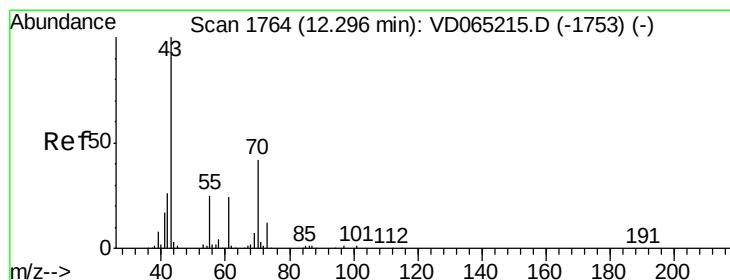
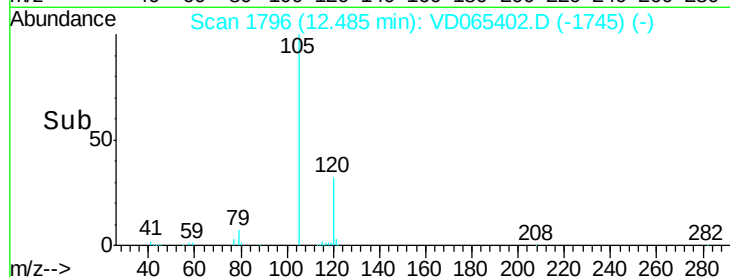
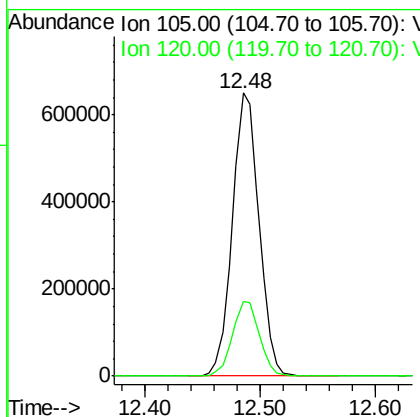
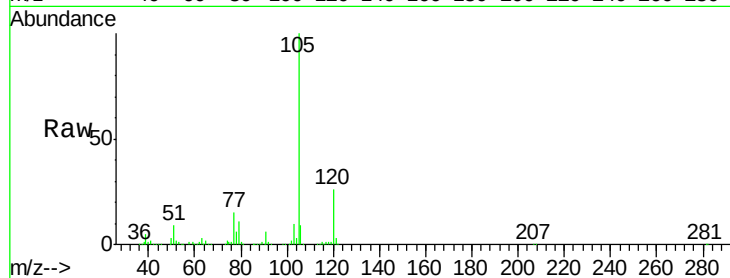
#73
Isopropylbenzene
Concen: 51.198 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:105 Resp: 1035048
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

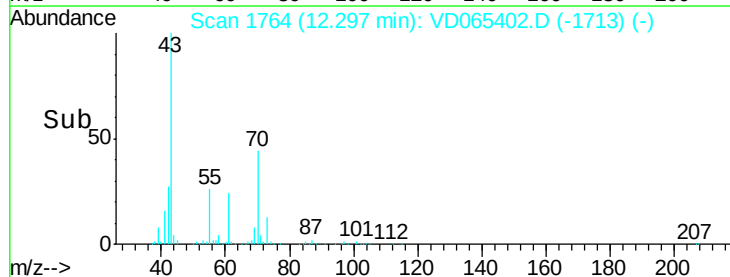
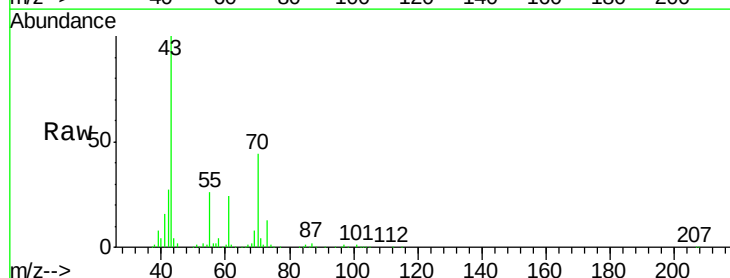
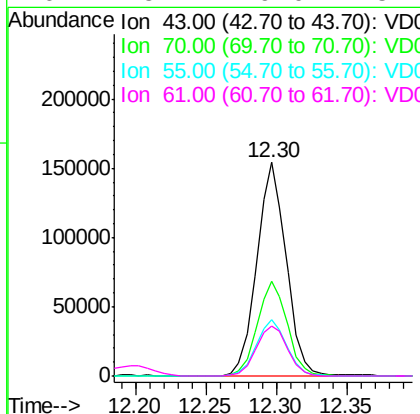
Manual Integrations
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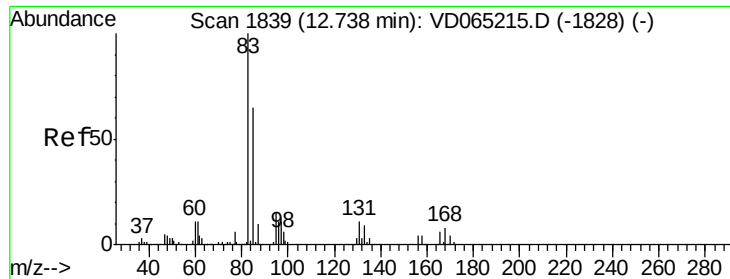
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#74
N-ethyl acetate
Concen: 50.309 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion: 43 Resp: 226000
Ion Ratio Lower Upper
43 100
70 45.3 33.7 50.5
55 27.6 20.7 31.1
61 25.1 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.095 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

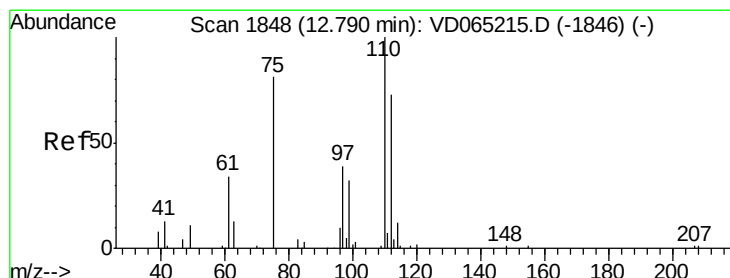
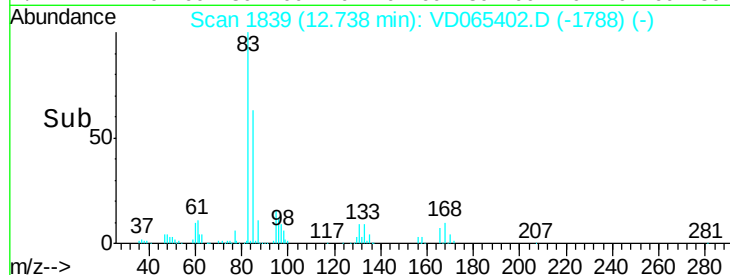
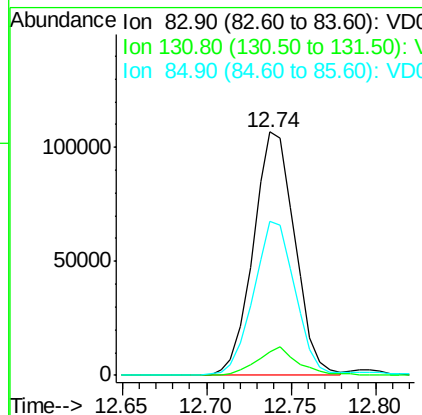
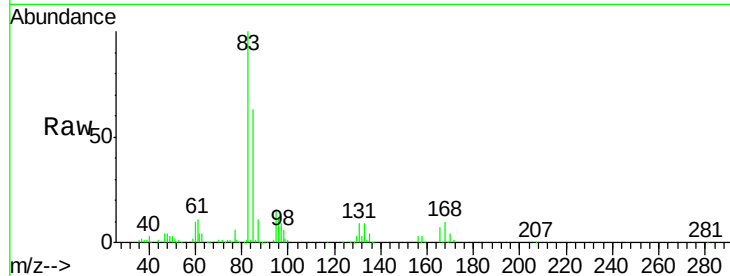
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	182779
Ion Ratio	Lower	Upper	
83	100		
131	11.4	5.4	16.2
85	64.6	31.6	94.8

Manual Integrations
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3/4/2020 2:01:36 PM



#76

1,2,3-Trichloropropane

Concen: 48.303 ug/l m

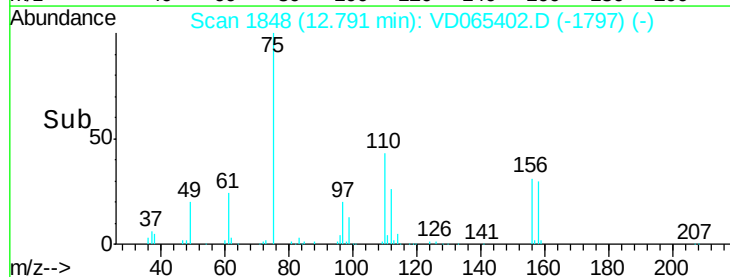
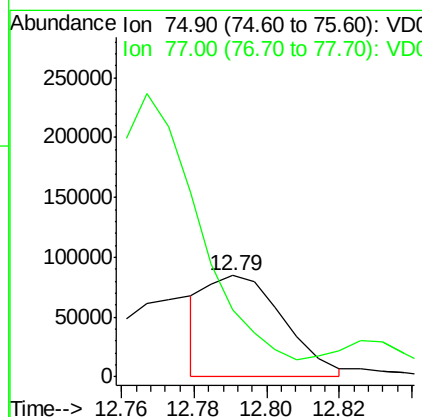
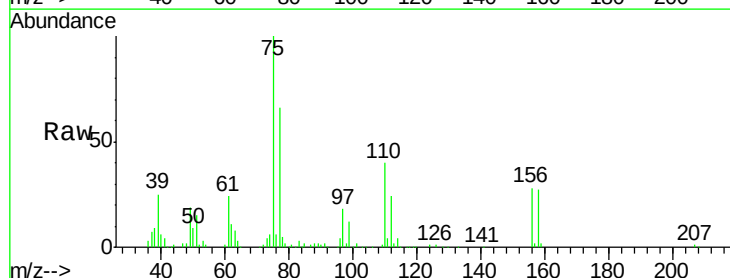
RT: 12.79 min Scan# 1848

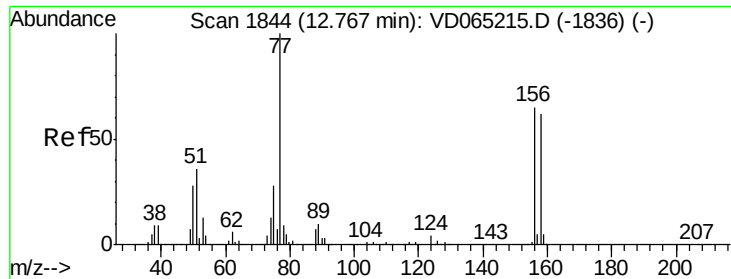
Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Tgt Ion:	75	Resp:	125498
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 51.758 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

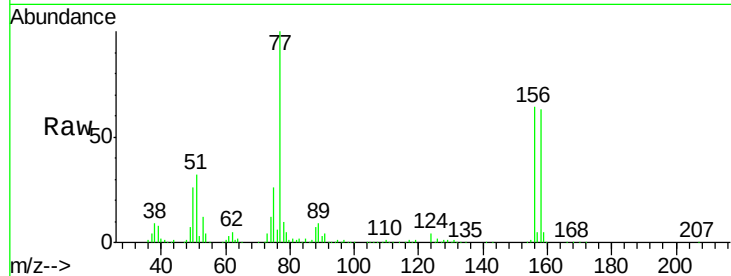
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	259832
Ion Ratio	Lower	Upper	
156	100		
77	167.9	86.6	259.7
158	97.7	48.1	144.3

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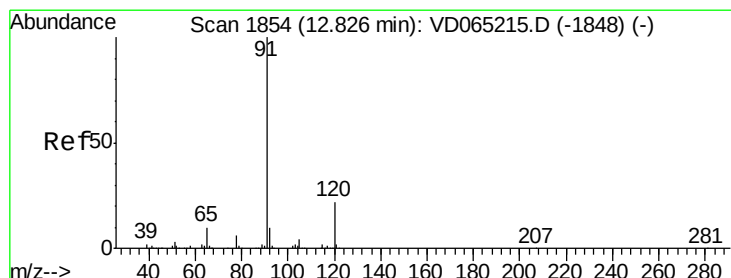
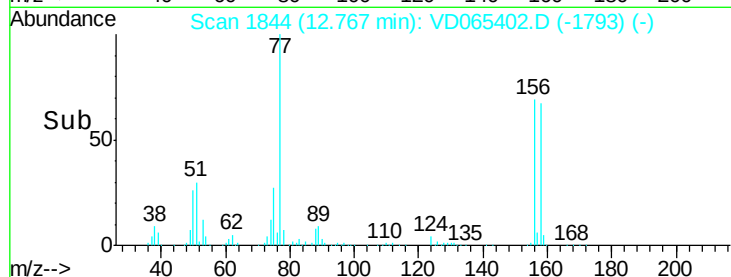
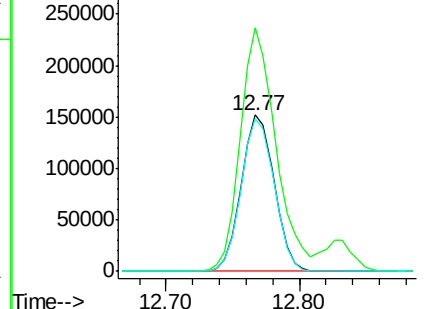
MMDadoda
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 50.878 ug/l

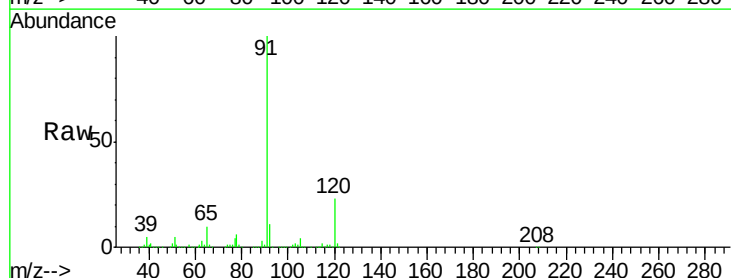
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065402.D

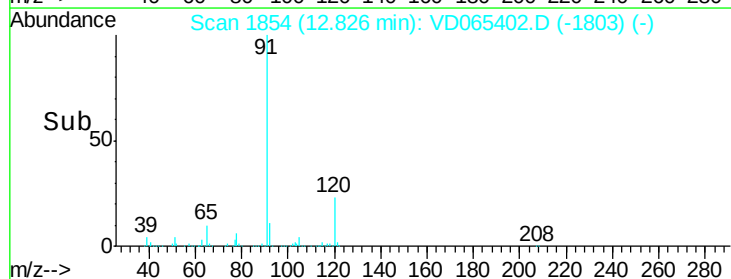
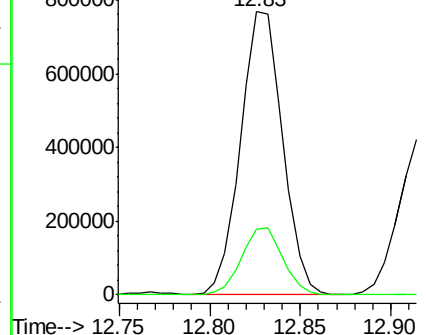
Acq: 03 Mar 2020 18:54

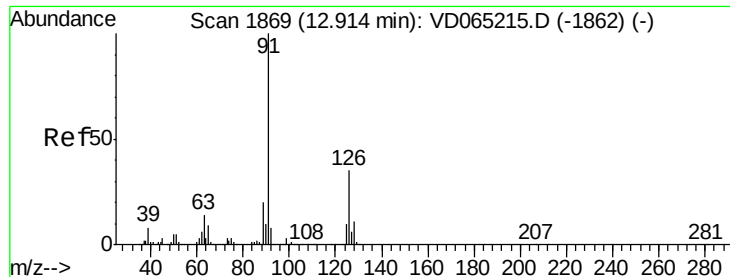
Tgt Ion:	91	Resp:	1236077
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





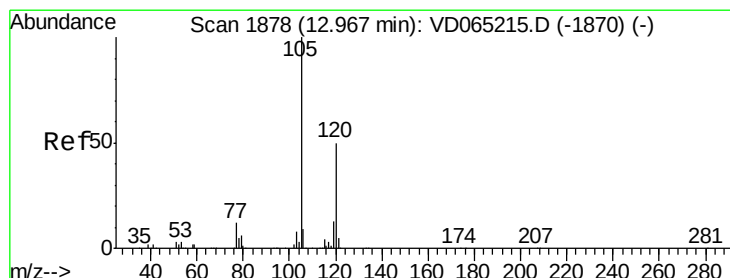
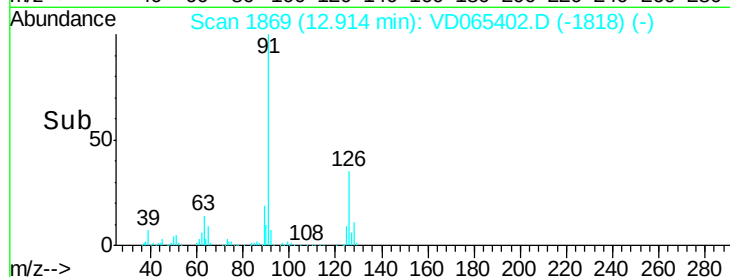
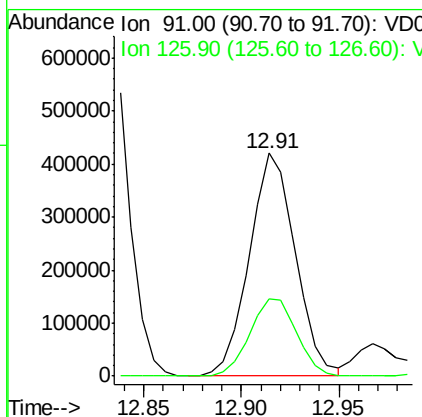
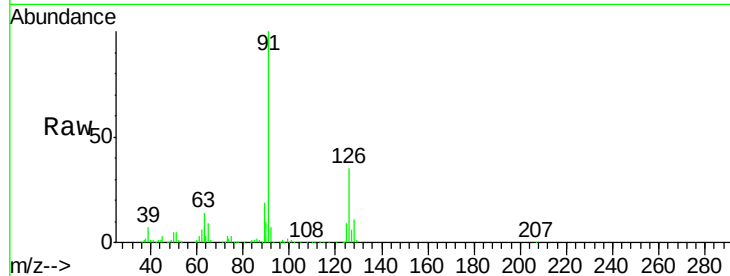
#79
 2-Chlorotoluene
 Concen: 50.493 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
91	100			
126	35.4	17.5	52.6	

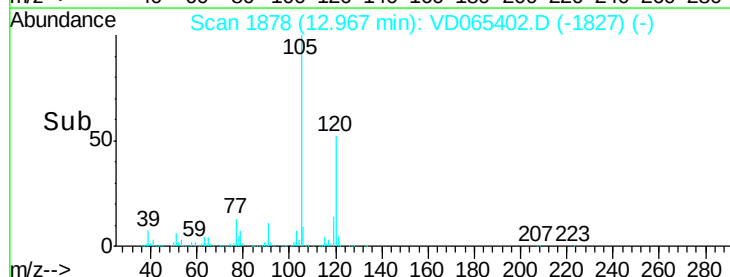
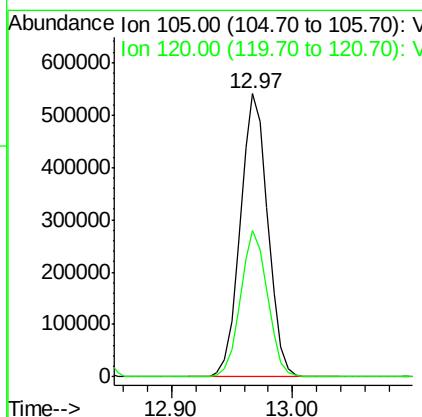
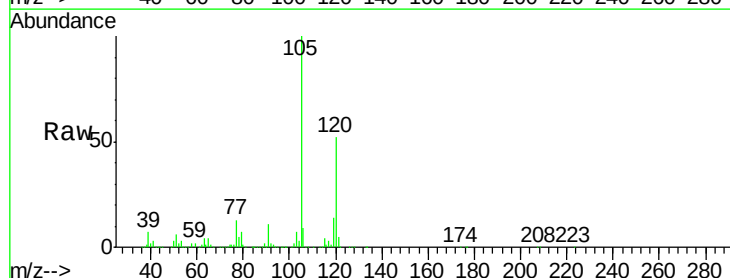
Manual Integrations
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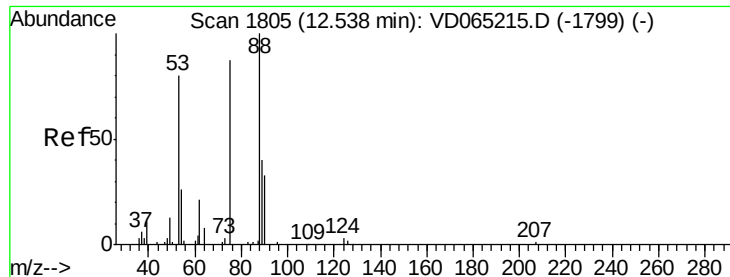
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 51.490 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ion	Ratio	Lower	Upper
105	100			
120	50.8	25.4	76.4	





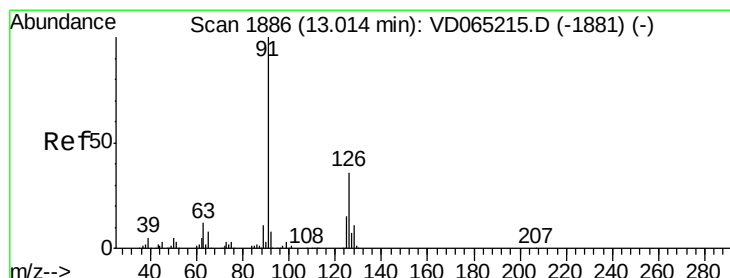
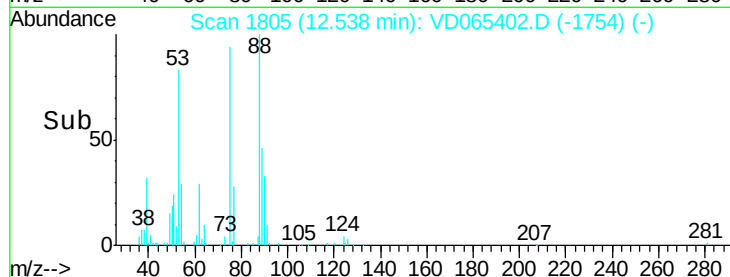
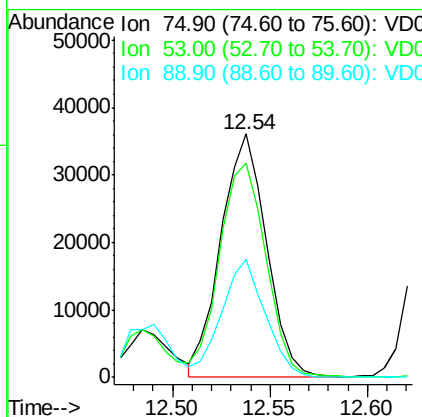
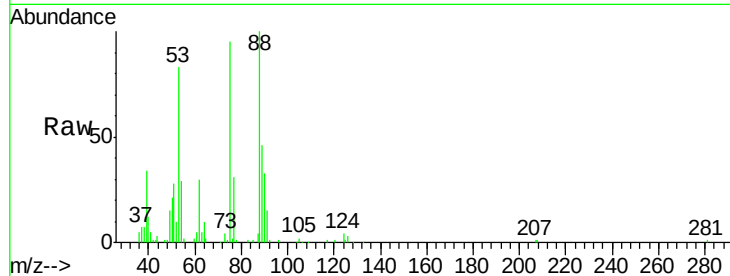
#81
trans-1,4-Dichloro-2-butene
Concen: 48.579 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.6	77.6	116.4
89	46.4	37.2	55.8

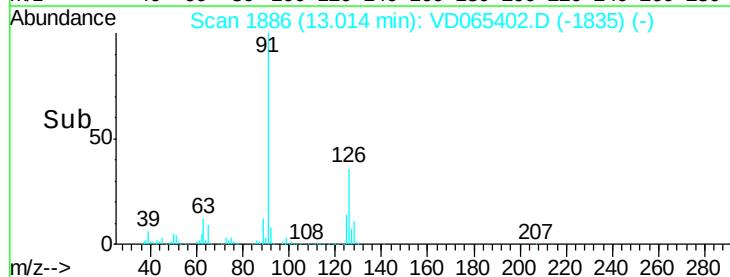
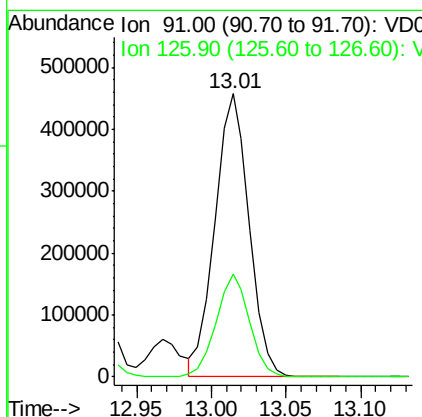
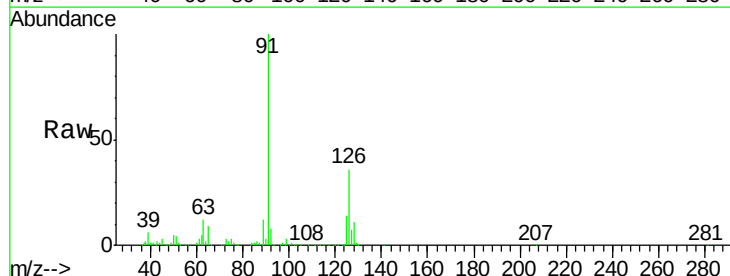
Manual Integrations
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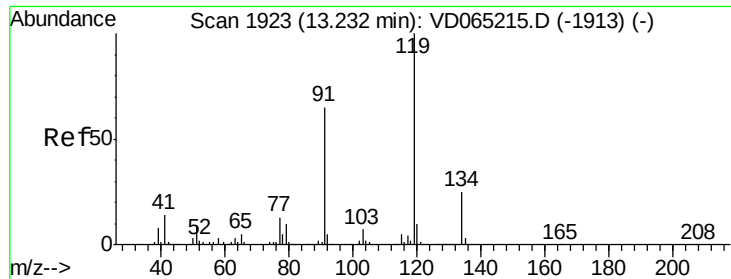
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.398 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.5	17.4	52.3





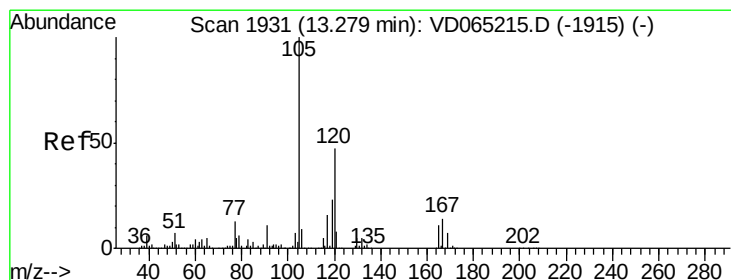
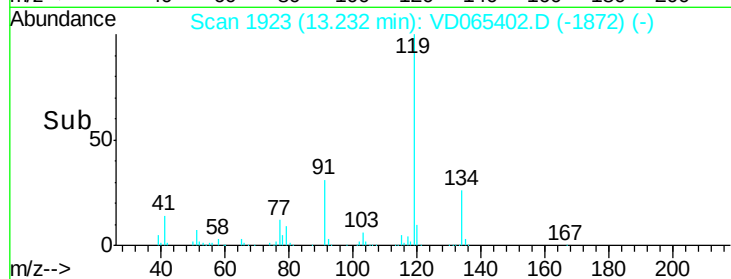
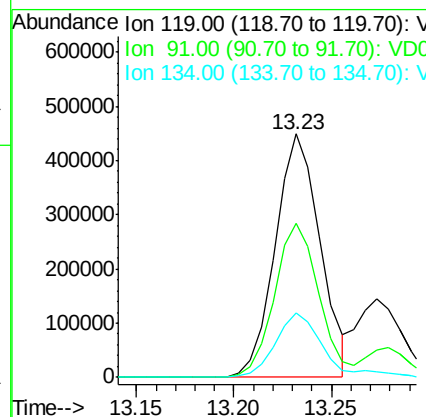
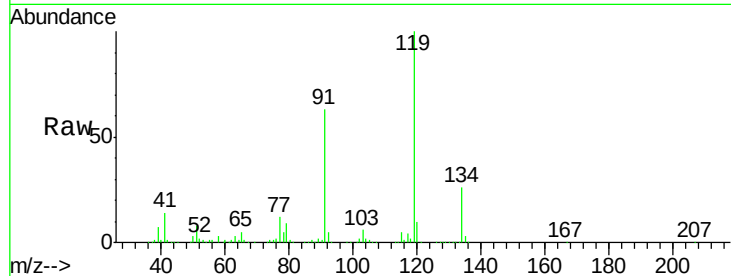
#83
 tert-Butylbenzene
 Concen: 51.267 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	62.5	31.9	95.5
134	28.1	13.8	41.3

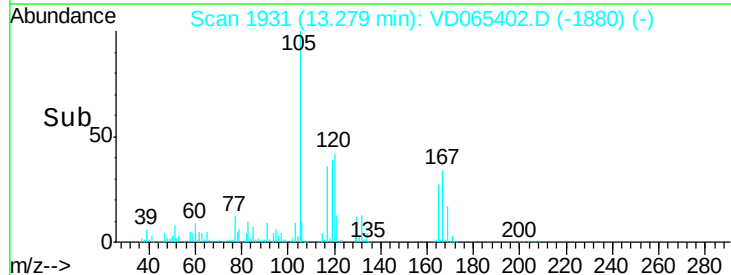
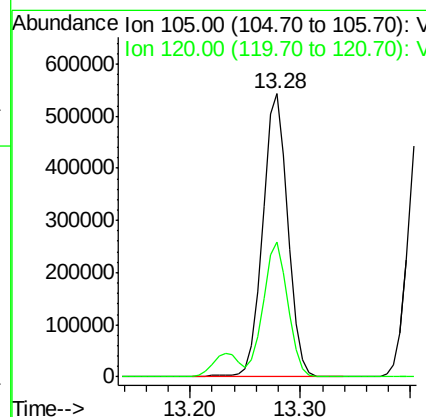
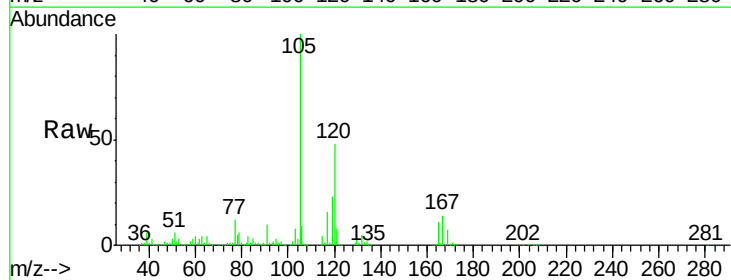
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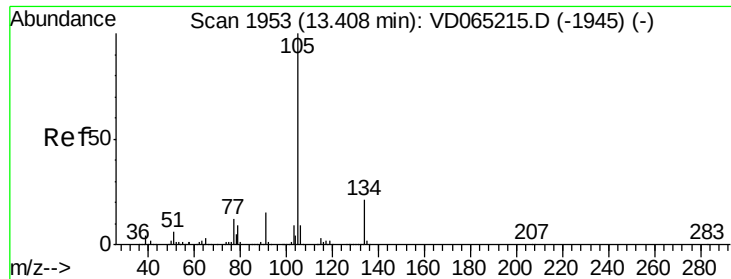
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 3/4/2020 2:01:36 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.747 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.3	69.9





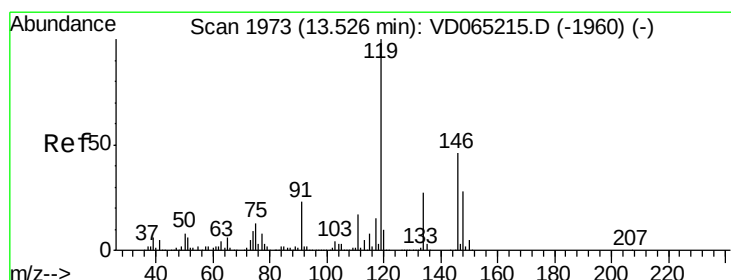
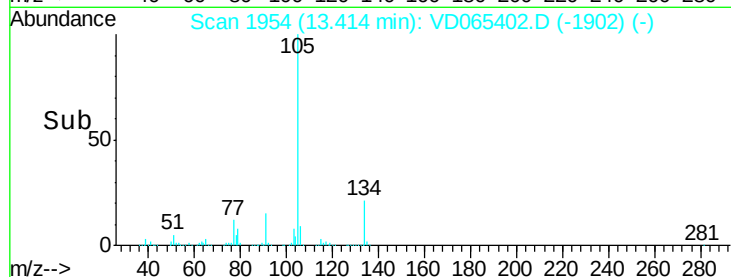
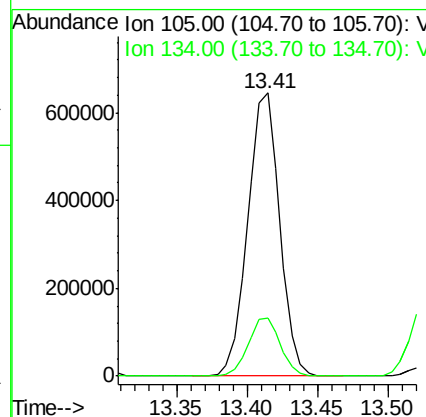
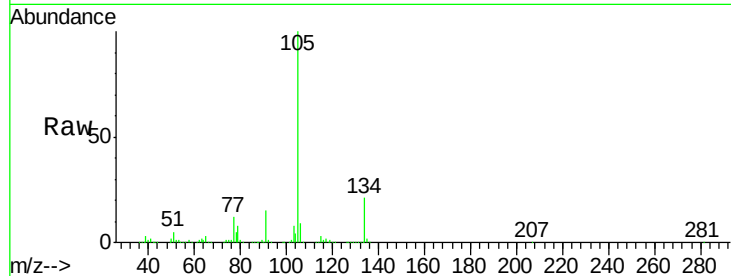
#85
 sec-Butylbenzene
 Concen: 50.815 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1021865
 Ion Ratio Lower Upper
 105 100
 134 20.7 10.3 30.9

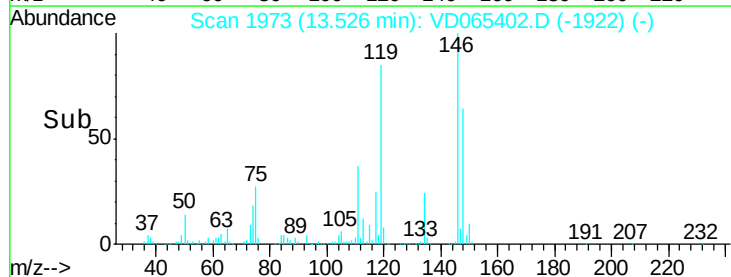
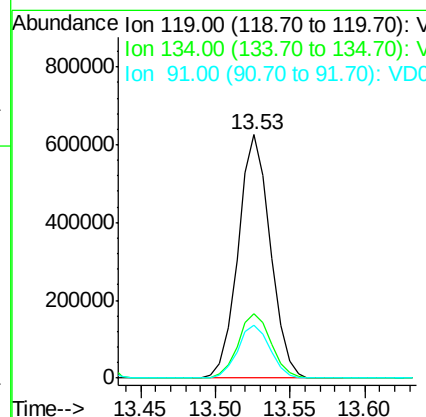
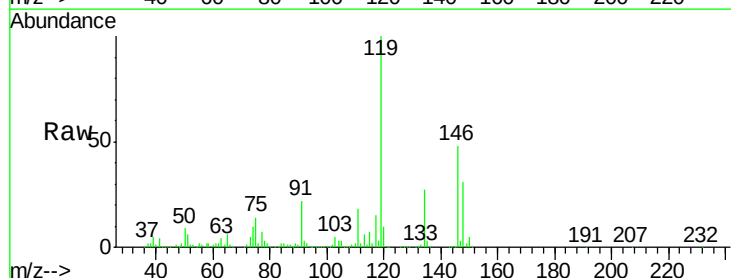
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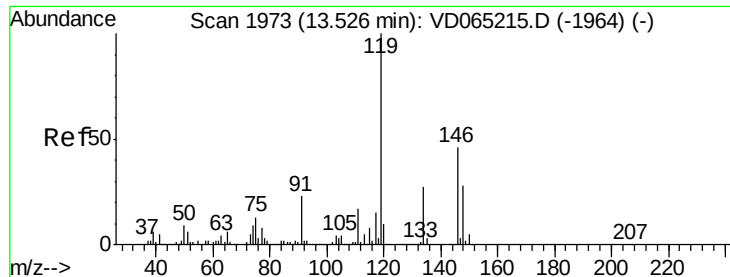
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 3/4/2020 2:01:36 PM



#86
 p-Isopropyltoluene
 Concen: 50.876 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion:119 Resp: 935614
 Ion Ratio Lower Upper
 119 100
 134 27.0 13.3 39.8
 91 21.9 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 50.257 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Instrument :

MSVOA_D

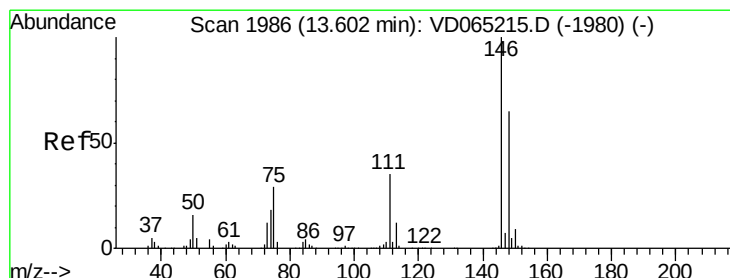
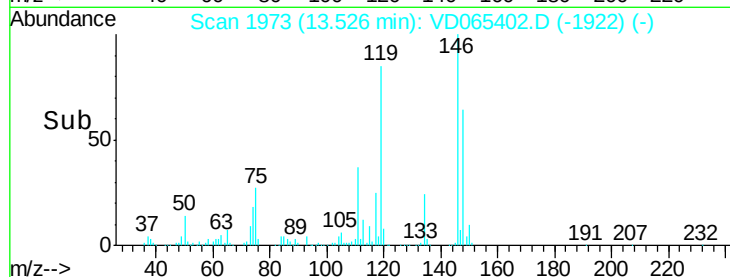
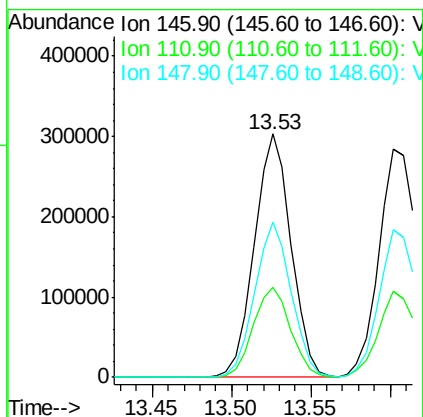
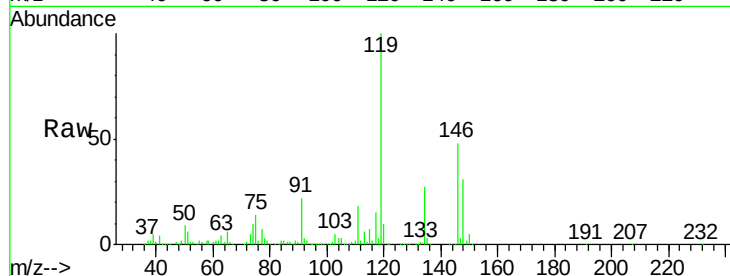
ClientSampleId :

VSTDCCC050EC

Tot Ion:	146	Resp:	487752
Ion Ratio	Lower	Upper	
146	100		
111	37.6	18.6	55.8
148	63.6	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 49.848 ug/l

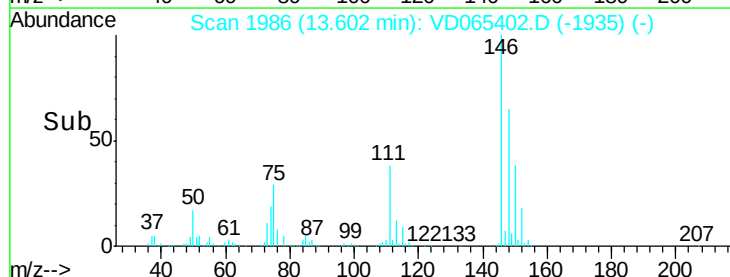
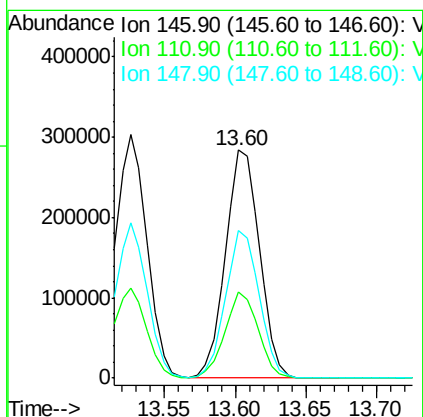
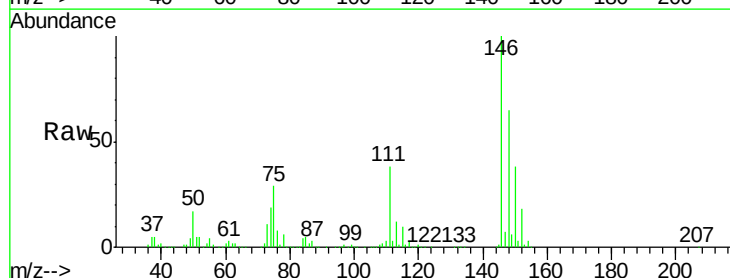
RT: 13.60 min Scan# 1986

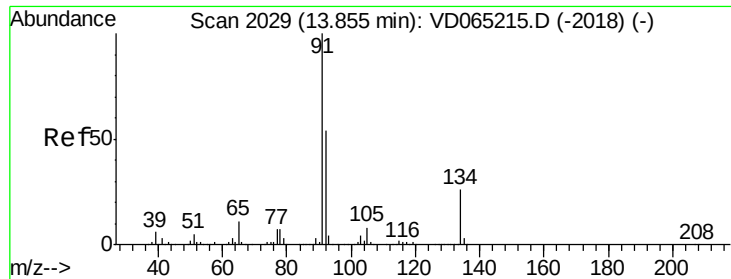
Delta R.T. 0.00 min

Lab File: VD065402.D

Acq: 03 Mar 2020 18:54

Tgt Ion:	146	Resp:	477465
Ion Ratio	Lower	Upper	
146	100		
111	36.7	18.4	55.2
148	64.1	32.1	96.5





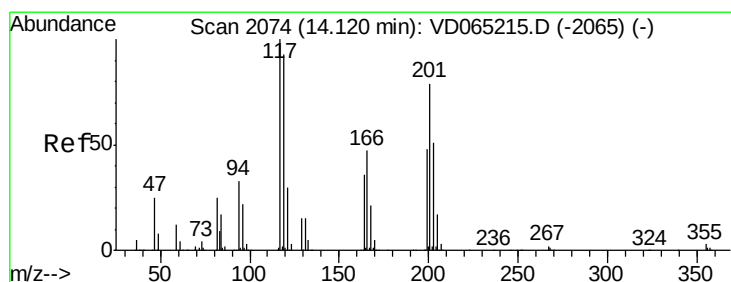
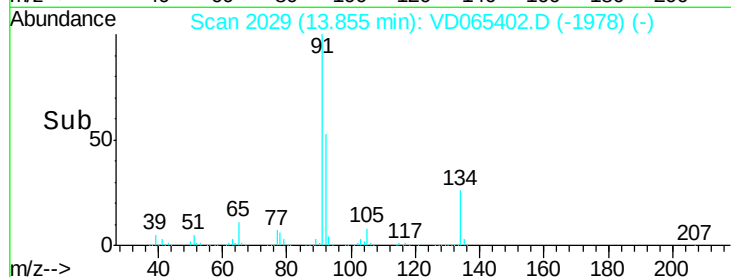
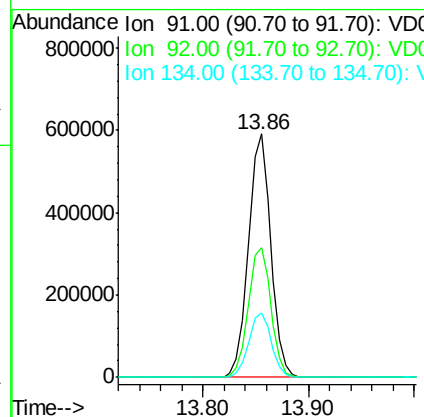
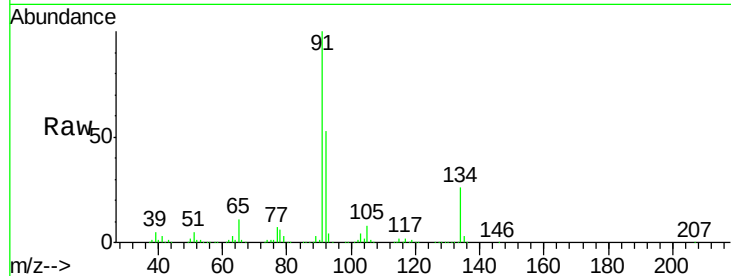
#89
n-Butylbenzene
Concen: 51.231 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.8	27.0	80.8
134	26.8	13.5	40.4

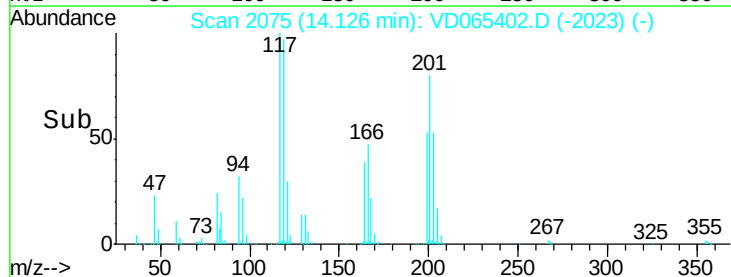
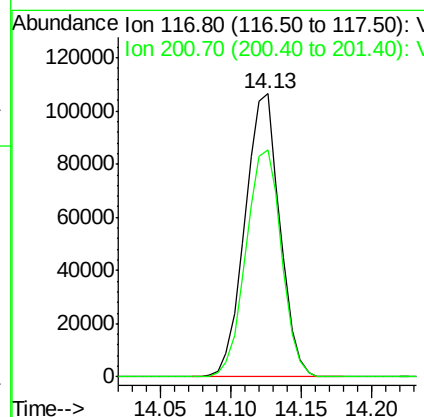
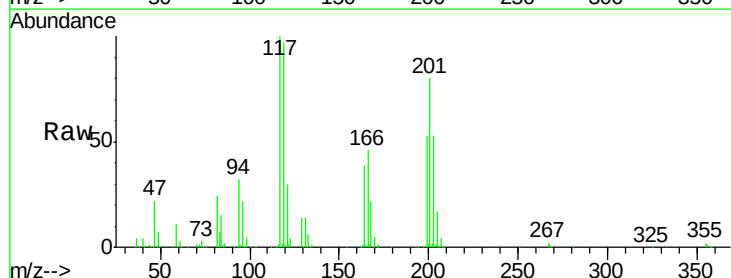
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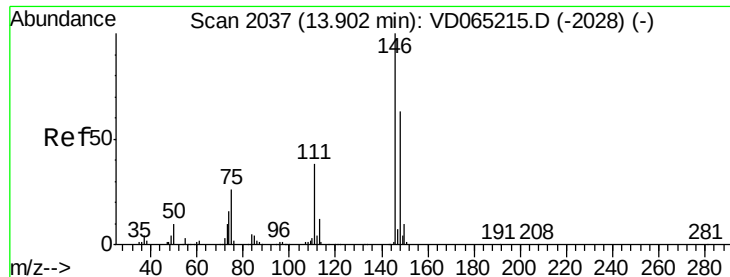
MMDadoda
3/4/2020 2:01:36 PM



#90
Hexachloroethane
Concen: 49.426 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.6	41.3	124.1





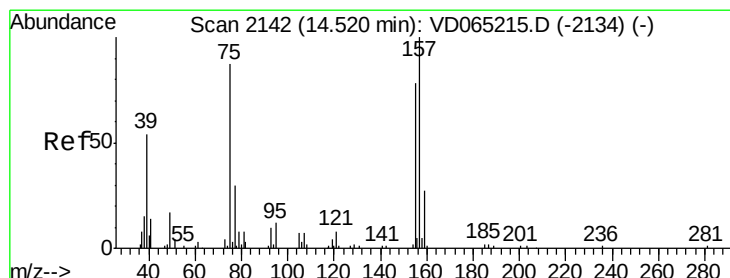
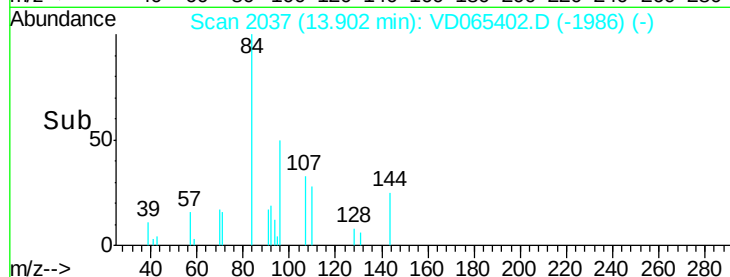
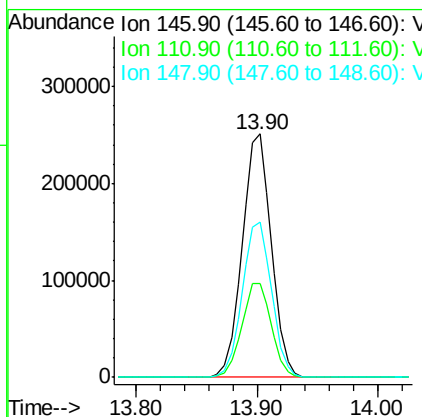
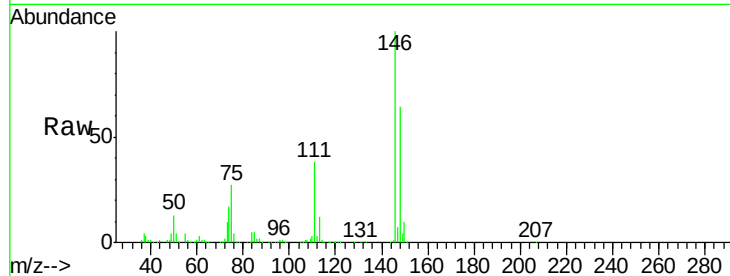
#91
 1,2-Dichlorobenzene
 Concen: 50.639 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.3	19.7	59.0
148	64.4	32.0	96.2

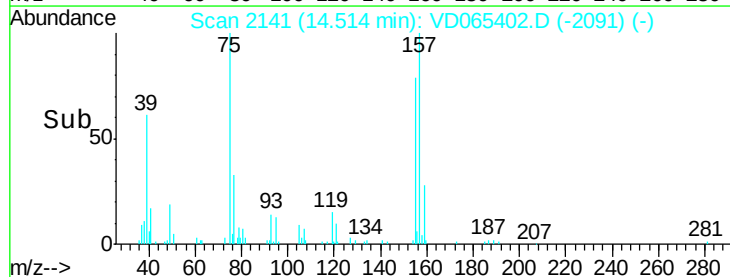
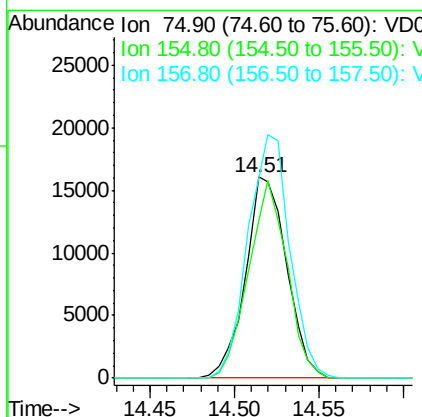
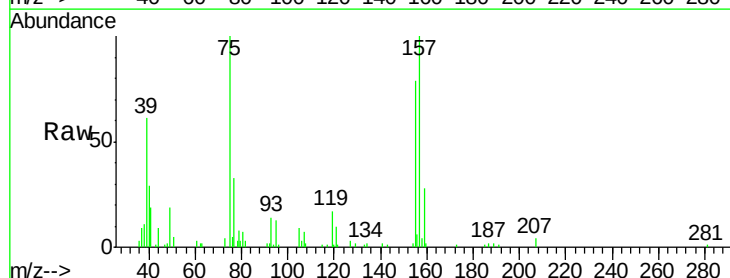
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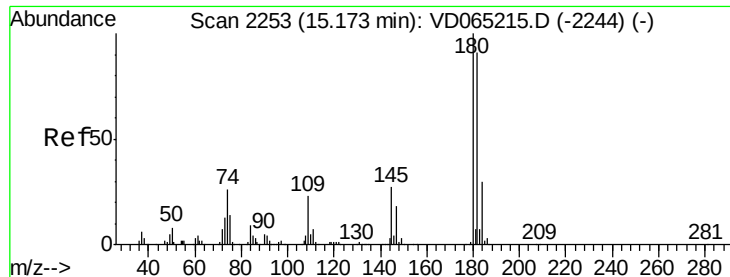
MMDadoda
 3/4/2020 2:01:36 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.506 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. -0.01 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	42.3	126.9
157	122.5	56.7	170.1





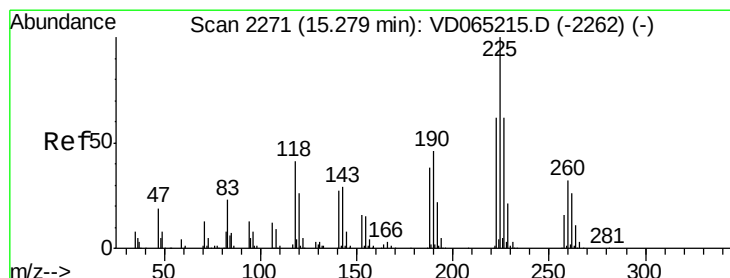
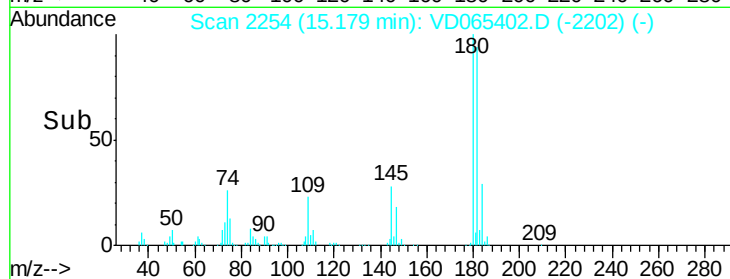
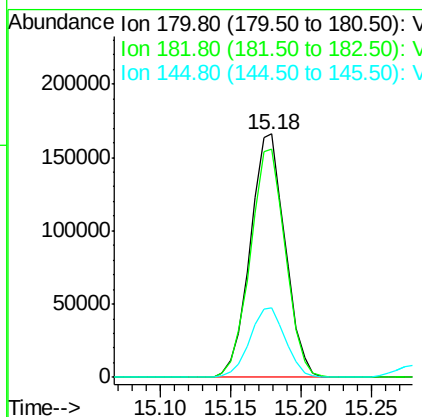
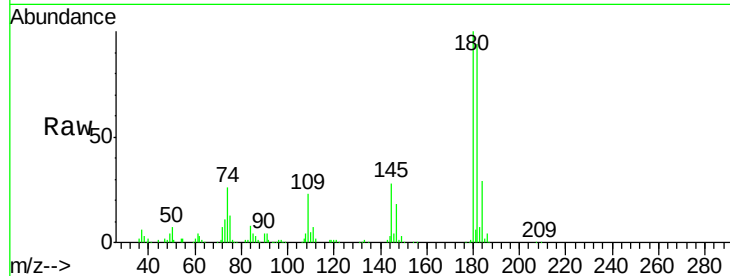
#93
 1,2,4-Trichlorobenzene
 Concen: 52.951 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100	288627		
182	94.6	46.9	140.6	
145	29.1	13.9	41.7	

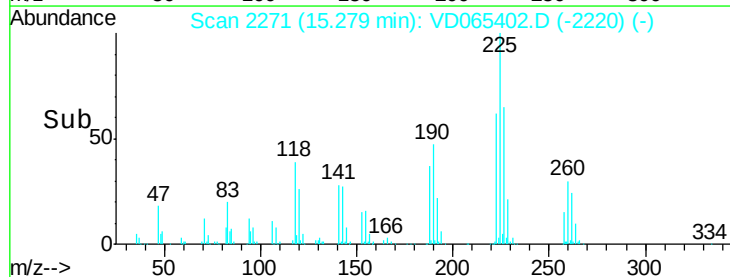
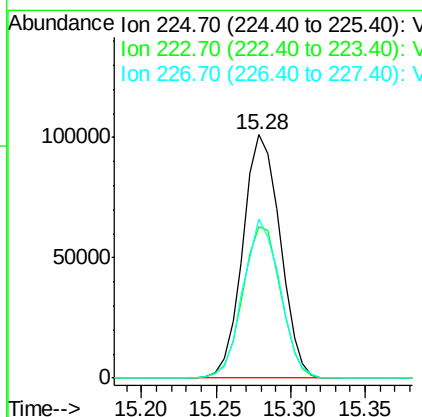
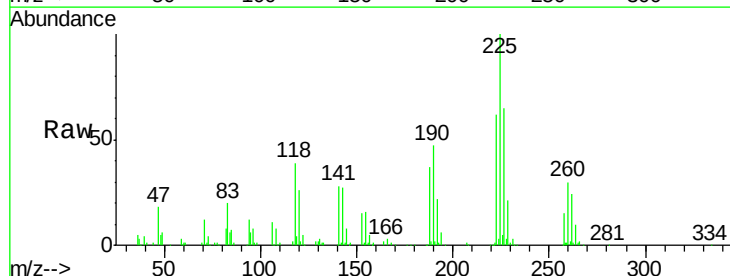
Manual Integrations
 APPROVED

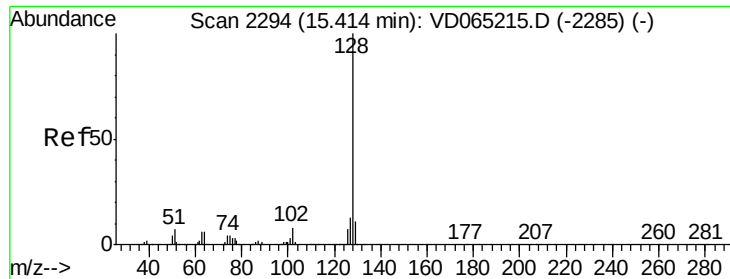
MMDadoda
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#94
 Hexachlorobutadiene
 Concen: 50.095 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065402.D
 Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	175163		
223	63.7	31.4	94.2	
227	64.5	31.7	95.1	





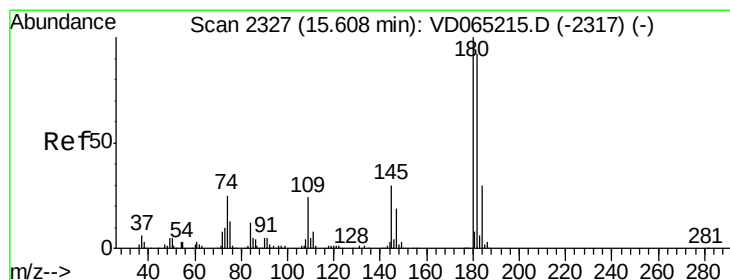
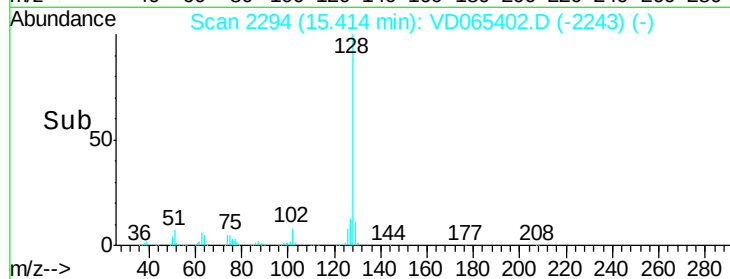
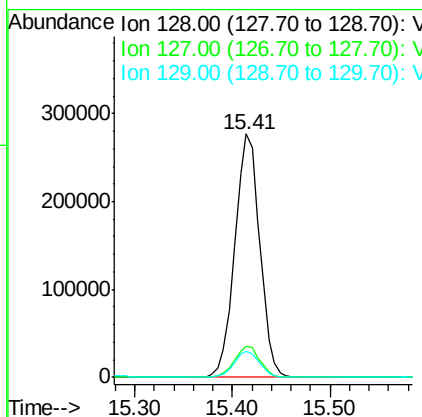
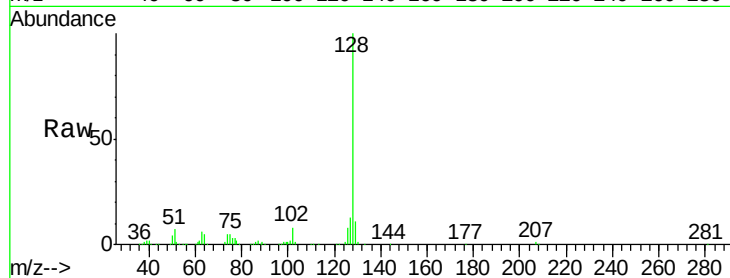
#95
Naphthalene
Concen: 55.276 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	10.9	8.8	13.2

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#96
1,2,3-Trichlorobenzene
Concen: 53.621 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065402.D
Acq: 03 Mar 2020 18:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.6
145	30.5	15.4	46.1

