

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065340.D
 Acq On : 27 Feb 2020 11:23
 Operator : VA/SY
 Sample : VD0227SBS01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 9:59:08 AM

Quant Time: Feb 28 01:04:09 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	7.98	168	476168	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	696489	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	641043	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	321109	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	200118	46.72	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	93.44%	
35) Dibromofluoromethane	7.92	113	212177	49.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.92%	
50) Toluene-d8	10.34	98	829082	51.07	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.14%	
62) 4-Bromofluorobenzene	12.64	95	263402	51.21	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	102.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	70205	17.579	ug/l	98
3) Chloromethane	2.21	50	91261	17.953	ug/l	94
4) Vinyl Chloride	2.36	62	94223	18.228	ug/l	97
5) Bromomethane	2.77	94	60997	19.517	ug/l	99
6) Chloroethane	2.93	64	59308	18.797	ug/l	98
7) Trichlorofluoromethane	3.27	101	143462	19.385	ug/l	92
8) Diethyl Ether	3.71	74	44726	20.022	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.09	101	94290	20.176	ug/l	99
10) Methyl Iodide	4.30	142	94218	19.417	ug/l	98
11) Tert butyl alcohol	5.24	59	31568	123.325	ug/l #	91
12) 1,1-Dichloroethene	4.07	96	86171	19.519	ug/l	99
13) Acrolein	3.93	56	34337	90.893	ug/l	98
14) Allyl chloride	4.71	41	135910	18.957	ug/l	98
15) Acrylonitrile	5.44	53	98384	99.476	ug/l	97
16) Acetone	4.16	43	91629	87.505	ug/l	96
17) Carbon Disulfide	4.40	76	275242	18.596	ug/l	100
18) Methyl Acetate	4.72	43	50656	21.509	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	172418	18.728	ug/l	99
20) Methylene Chloride	4.97	84	105652	19.889	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	98909	19.708	ug/l	98
22) Diisopropyl ether	6.37	45	274797	19.883	ug/l	100
23) Vinyl Acetate	6.31	43	700078	91.883	ug/l	99
24) 1,1-Dichloroethane	6.27	63	168492	19.655	ug/l	99
25) 2-Butanone	7.23	43	118114	89.153	ug/l	95
26) 2,2-Dichloropropane	7.21	77	149495	20.100	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	103369	19.444	ug/l	99
28) Bromochloromethane	7.55	49	58731	18.467	ug/l	99
29) Tetrahydrofuran	7.57	42	74116	95.478	ug/l	98
30) Chloroform	7.71	83	173838	20.128	ug/l	96
31) Cyclohexane	7.98	56	161919	19.224	ug/l #	95
32) 1,1,1-Trichloroethane	7.90	97	156115	20.203	ug/l	99
36) 1,1-Dichloropropene	8.11	75	137896	20.348	ug/l	99
37) Ethyl Acetate	7.30	43	52525	18.540	ug/l	96
38) Carbon Tetrachloride	8.10	117	141080	20.450	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	159314	19.996	ug/l	99
40) Benzene	8.36	78	386296	20.195	ug/l	98
41) Methacrylonitrile	7.53	41	30623	18.721	ug/l #	90
42) 1,2-Dichloroethane	8.43	62	104427	19.858	ug/l	100
43) Isopropyl Acetate	8.46	43	97449	18.915	ug/l	98
44) Trichloroethene	9.11	130	109681	20.685	ug/l	95
45) 1,2-Dichloropropane	9.39	63	95475	20.073	ug/l	93
46) Dibromomethane	9.48	93	50204	20.514	ug/l	99
47) Bromodichloromethane	9.67	83	128688	19.953	ug/l	97
48) Methyl methacrylate	9.46	41	50422	21.174	ug/l	97
49) 1,4-Dioxane	9.47	88	10973	382.296	ug/l	97
51) 4-Methyl-2-Pentanone	10.23	43	255457	97.627	ug/l	99
52) Toluene	10.41	92	256185	21.637	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	118924	19.893	ug/l	97
54) cis-1,3-Dichloropropene	10.09	75	142790	19.780	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	71200	20.670	ug/l	99
56) Ethyl methacrylate	10.67	69	78490	19.742	ug/l	97
57) 1,3-Dichloropropane	10.95	76	122572	20.908	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	120100	95.816	ug/l	97
59) 2-Hexanone	10.99	43	178046	95.053	ug/l	99
60) Dibromochloromethane	11.15	129	89884	20.388	ug/l	99
61) 1,2-Dibromoethane	11.25	107	69051	21.172	ug/l	97
64) Tetrachloroethene	10.88	164	96870	21.307	ug/l	96
65) Chlorobenzene	11.67	112	266419	20.710	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	97040	20.214	ug/l	99
67) Ethyl Benzene	11.75	91	450683	20.004	ug/l	99
68) m/p-Xylenes	11.86	106	361593	41.949	ug/l	99
69) o-Xylene	12.19	106	154751	20.264	ug/l	100
70) Styrene	12.20	104	281831	20.786	ug/l	99
71) Bromoform	12.37	173	53886	20.229	ug/l #	99
73) Isopropylbenzene	12.48	105	431954	20.319	ug/l	100
74) N-amyl acetate	12.30	43	85937	18.192	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	75880	19.777	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	50811m	18.598	ug/l	
77) Bromobenzene	12.77	156	106748	20.221	ug/l	99
78) n-propylbenzene	12.83	91	530126	20.751	ug/l	99
79) 2-Chlorotoluene	12.91	91	287852	20.113	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	360971	20.616	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	22838	18.049	ug/l	97
82) 4-Chlorotoluene	13.01	91	311653	20.512	ug/l	100
83) tert-Butylbenzene	13.23	119	294360	20.058	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	362562	20.688	ug/l	100
85) sec-Butylbenzene	13.41	105	432433	20.450	ug/l	100
86) p-Isopropyltoluene	13.53	119	403266	20.854	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	207012	20.285	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	206389	20.491	ug/l	99
89) n-Butylbenzene	13.86	91	365809	20.528	ug/l	99
90) Hexachloroethane	14.13	117	79238	20.180	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	175088	19.981	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.52	75	11668	19.734	ug/l	96

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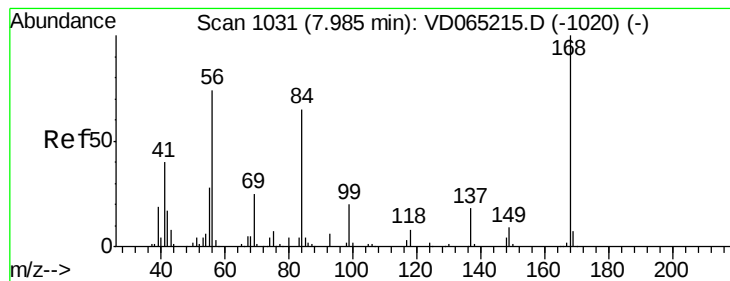
Manual Integrations
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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	115841	20.210	ug/l	95
94) Hexachlorobutadiene	15.28	225	75723	20.595	ug/l	100
95) Naphthalene	15.41	128	178733	19.181	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	103739	20.723	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion:168 Resp: 476168

Ion Ratio Lower Upper

168 100

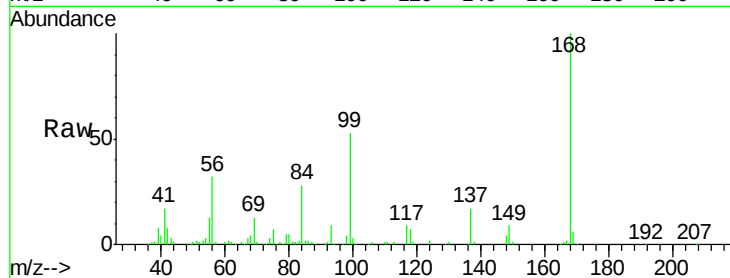
99 52.5 41.4 62.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

250000

200000

150000

100000

50000

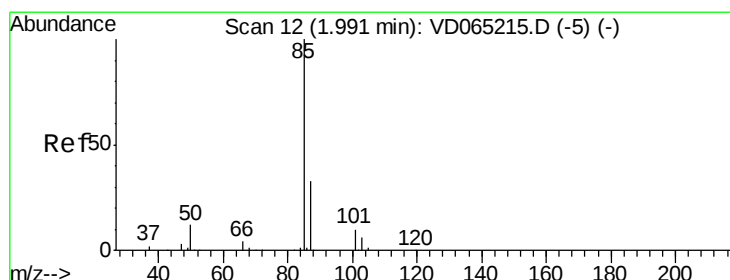
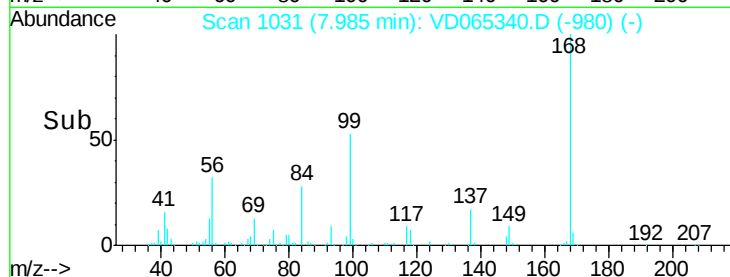
0

7.90

8.00

8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.579 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065340.D

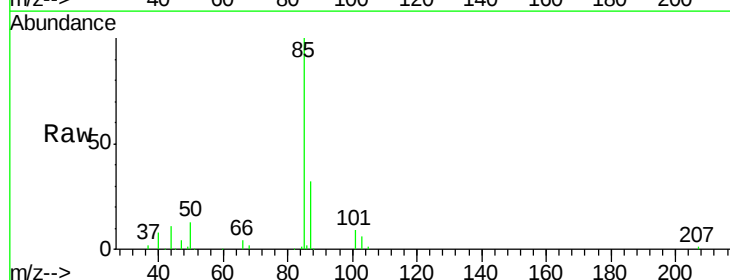
Acq: 27 Feb 2020 11:23

Tgt Ion: 85 Resp: 70205

Ion Ratio Lower Upper

85 100

87 31.7 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

60000

50000

40000

30000

20000

10000

0

1.90

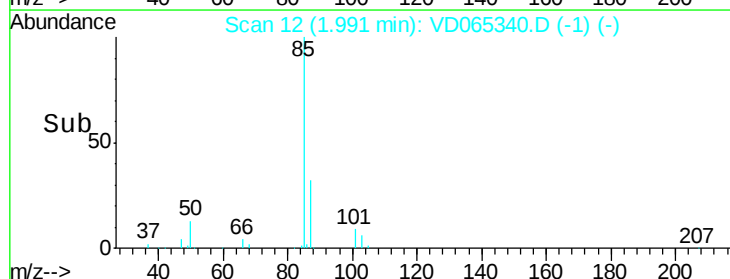
1.95

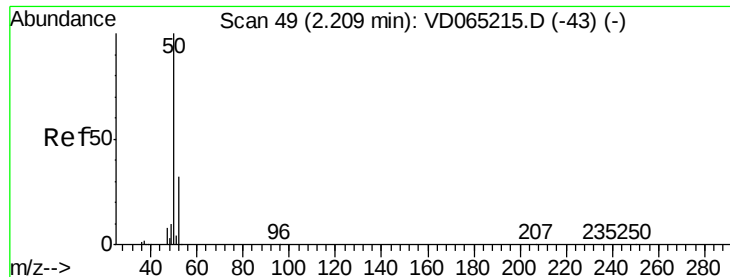
2.00

2.05

2.10

Time-->





#3

Chloromethane

Concen: 17.953 ug/l

RT: 2.21 min Scan# 50

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 50 Resp: 91261

Ion Ratio Lower Upper

50 100

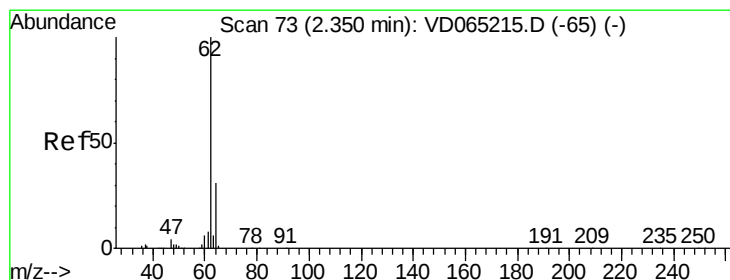
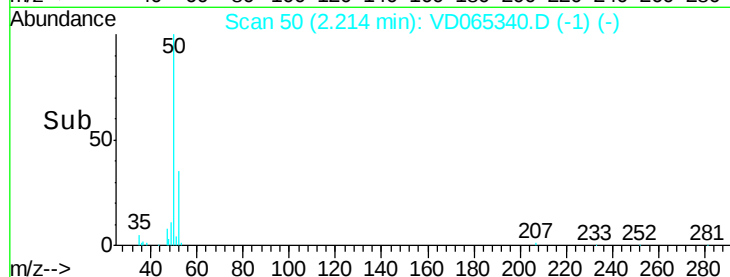
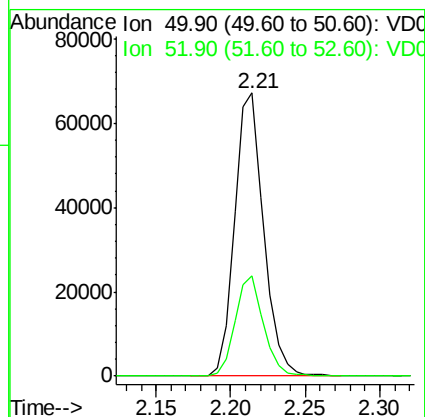
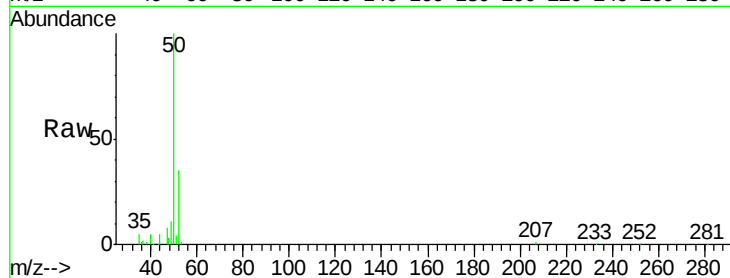
52 35.3 25.5 38.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.228 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065340.D

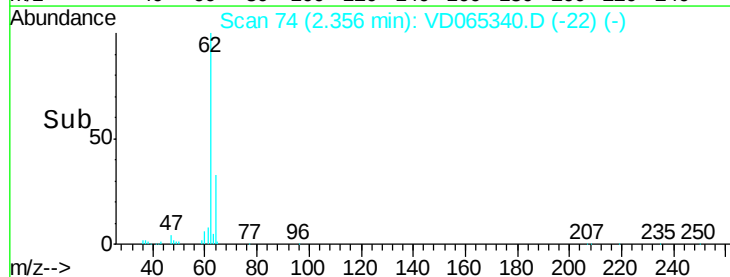
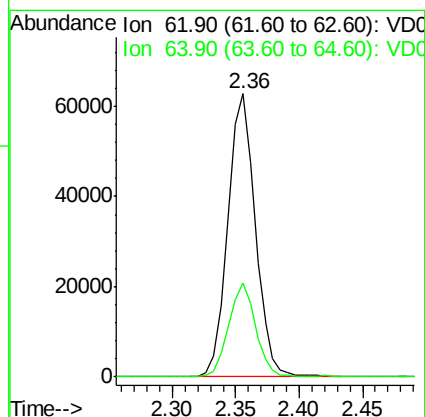
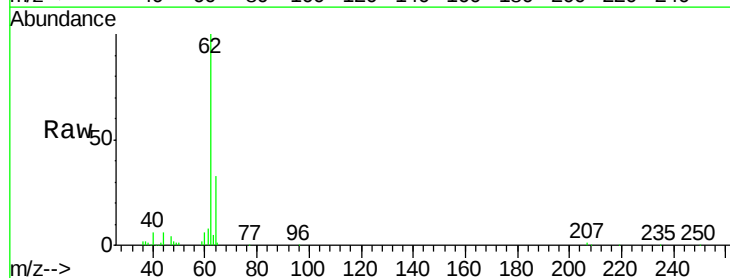
Acq: 27 Feb 2020 11:23

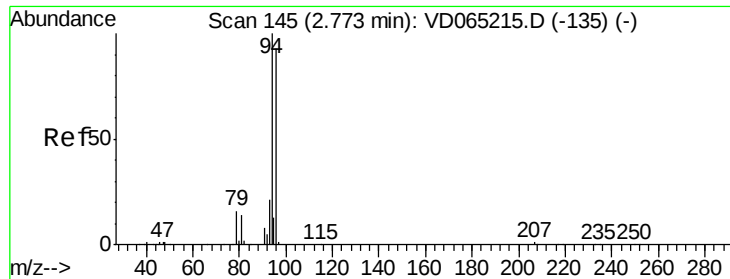
Tgt Ion: 62 Resp: 94223

Ion Ratio Lower Upper

62 100

64 33.1 25.0 37.6





#5

Bromomethane

Concen: 19.517 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

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Tot Ion: 94 Resp: 60997

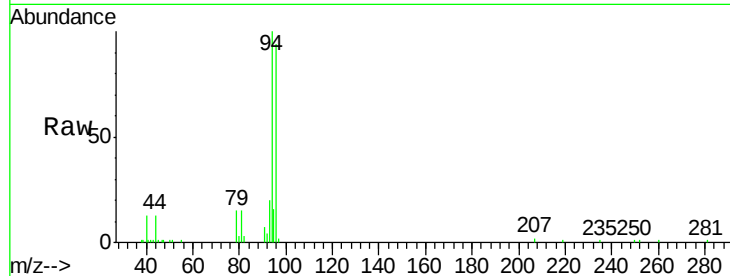
Ion Ratio Lower Upper

94 100

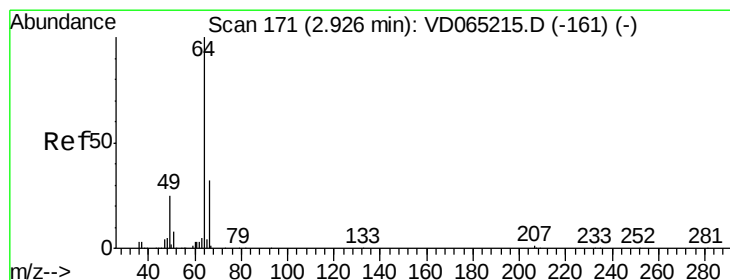
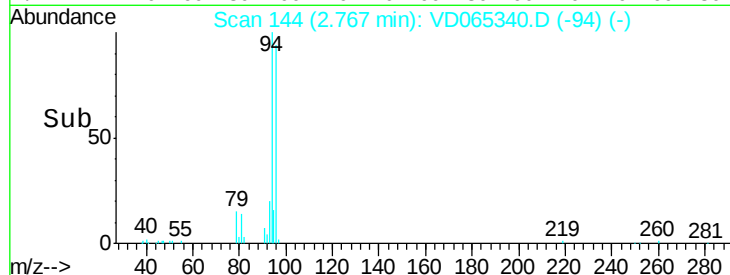
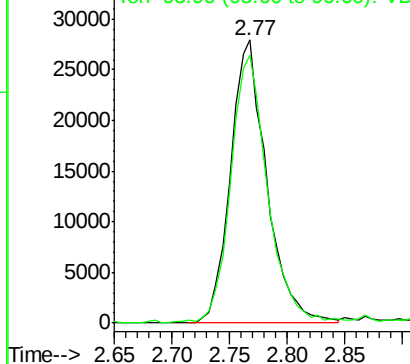
96 93.5 74.2 111.4

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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: 18.797 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065340.D

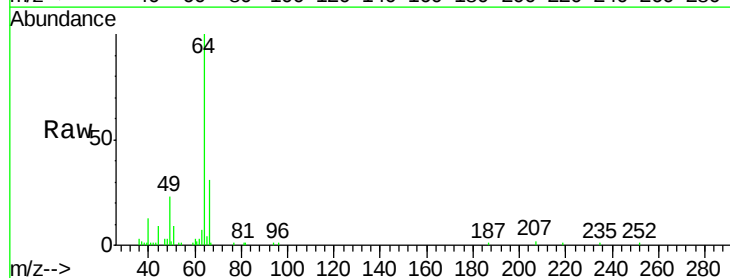
Acq: 27 Feb 2020 11:23

Tgt Ion: 64 Resp: 59308

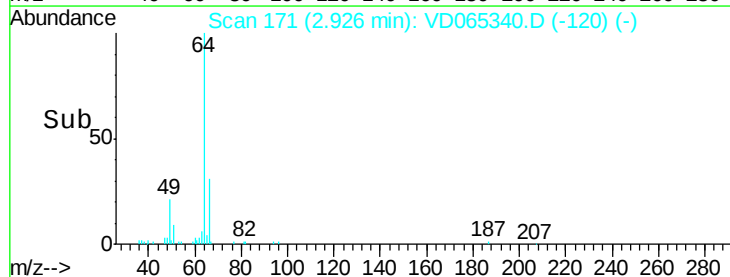
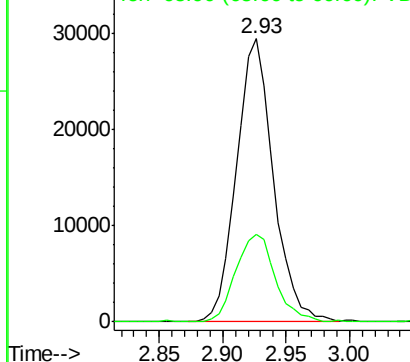
Ion Ratio Lower Upper

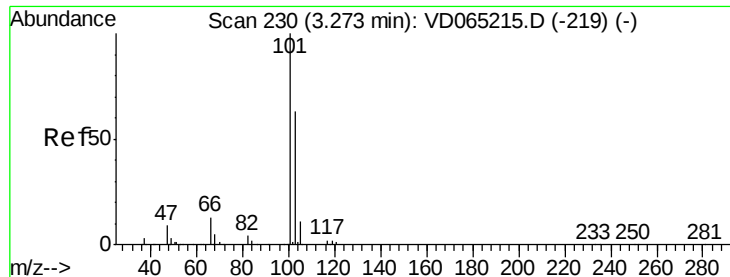
64 100

66 30.9 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC





#7

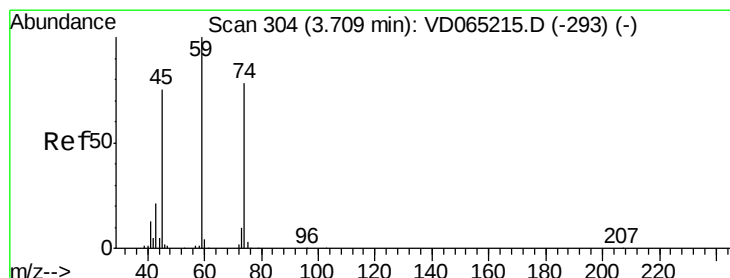
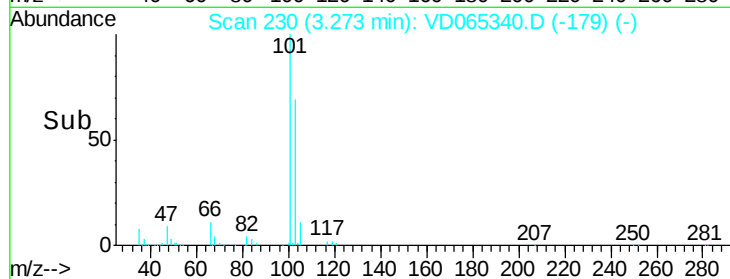
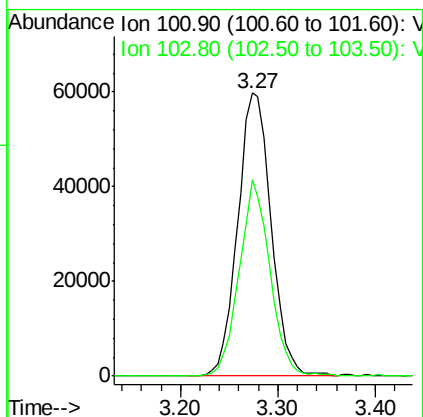
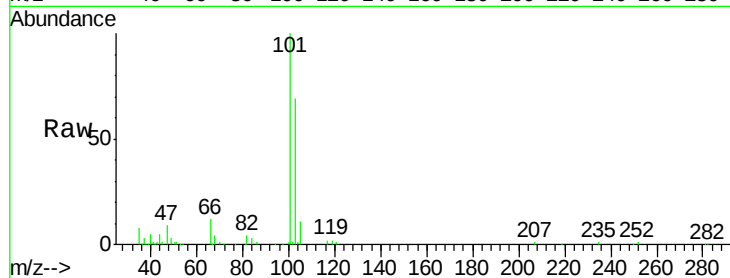
Trichlorofluoromethane
 Concen: 19.385 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD065340.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	69.5	50.7	76.1

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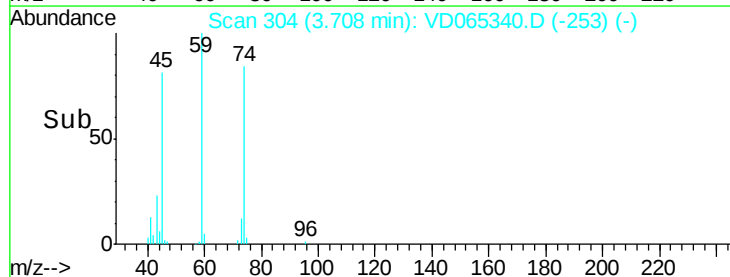
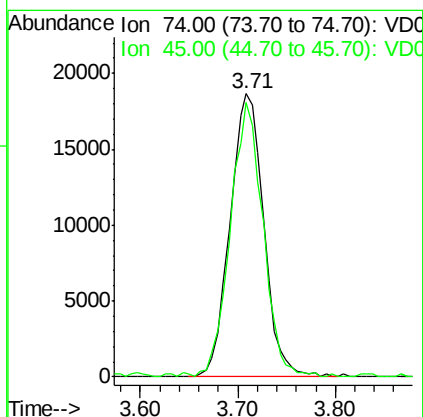
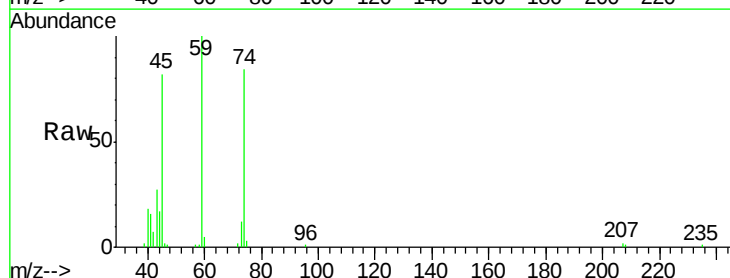
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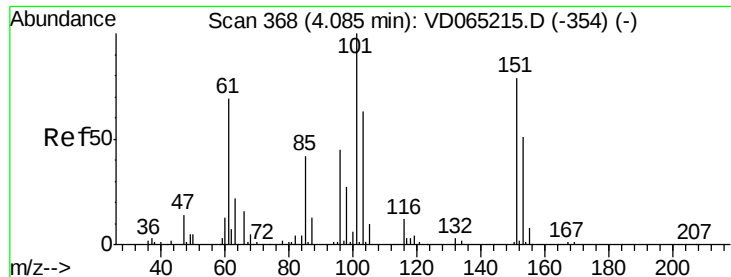


#8

Diethyl Ether
 Concen: 20.022 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
74	100		
45	94.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.176 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065340.D

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MSVOA_D

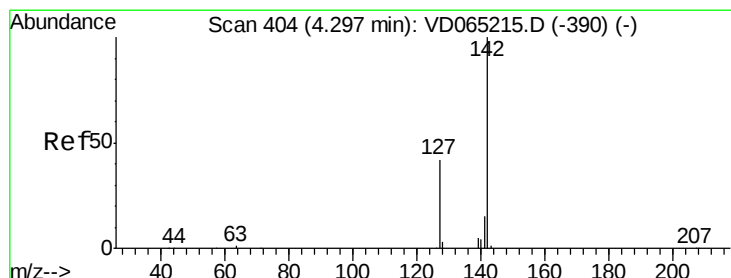
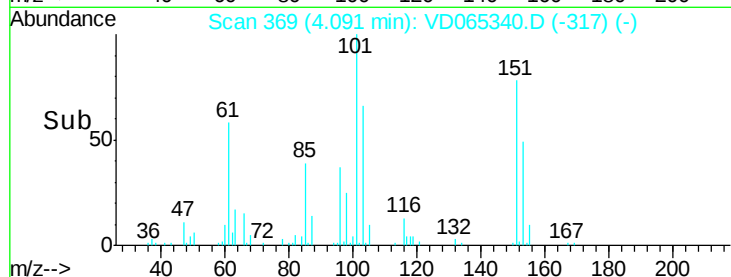
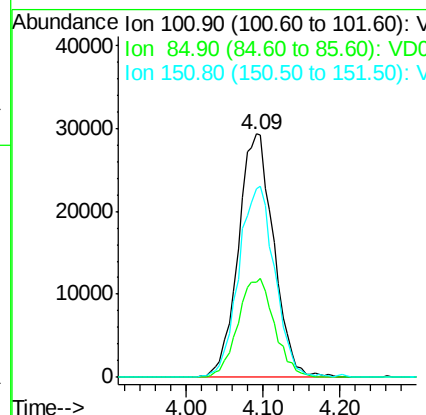
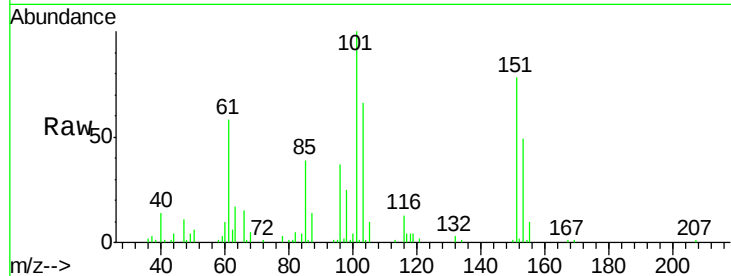
ClientSampleId :

VD0227SBS01

Tot Ion:	101	Resp:	94290
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.2
151	79.8	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 19.417 ug/l

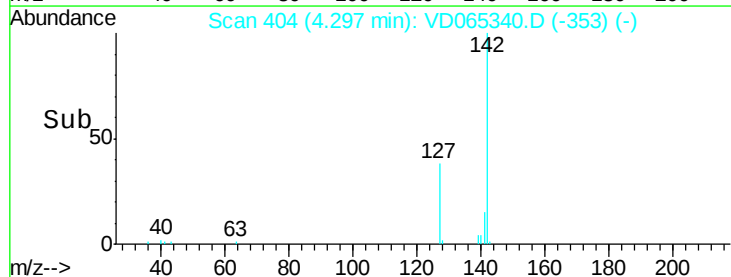
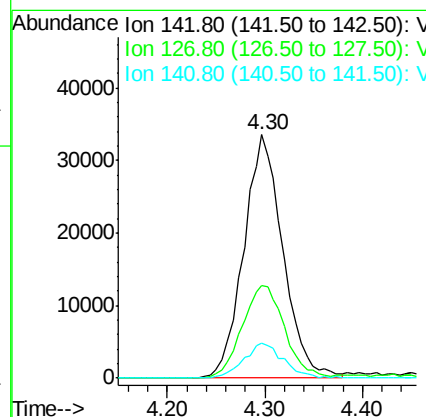
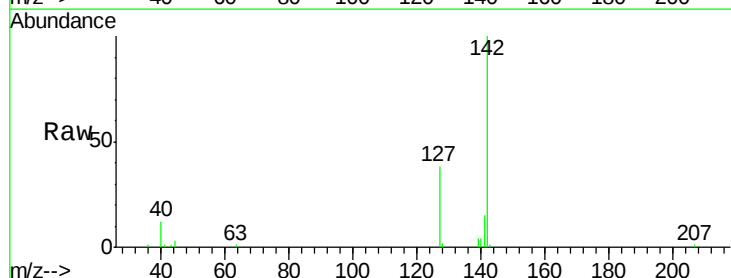
RT: 4.30 min Scan# 404

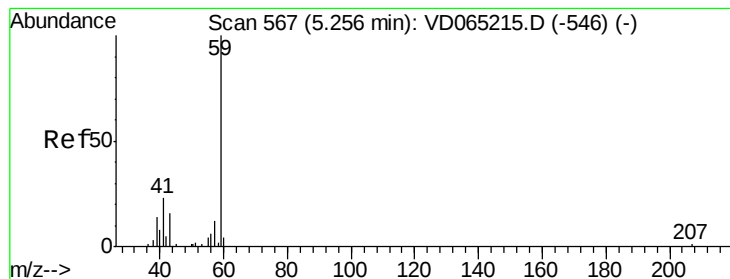
Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion:	142	Resp:	94218
Ion Ratio	Lower	Upper	
142	100		
127	41.1	33.8	50.8
141	14.4	11.7	17.5





#11

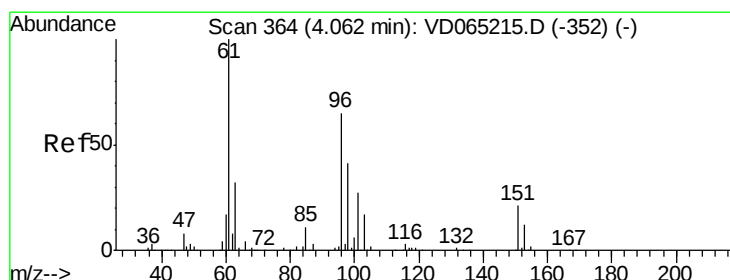
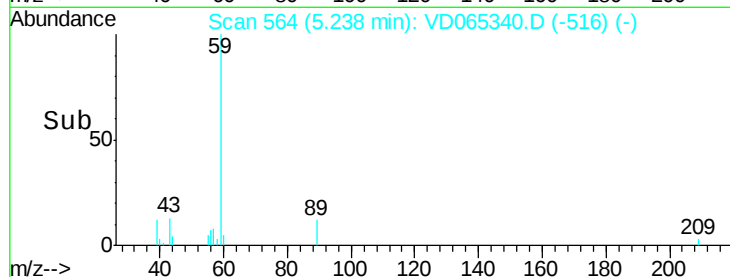
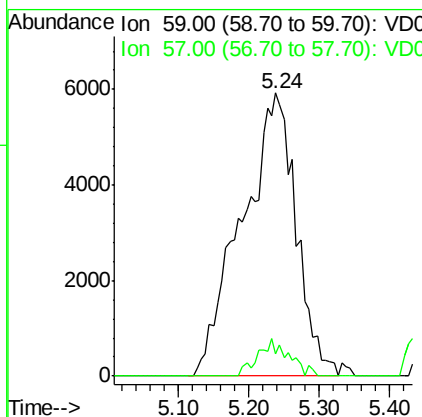
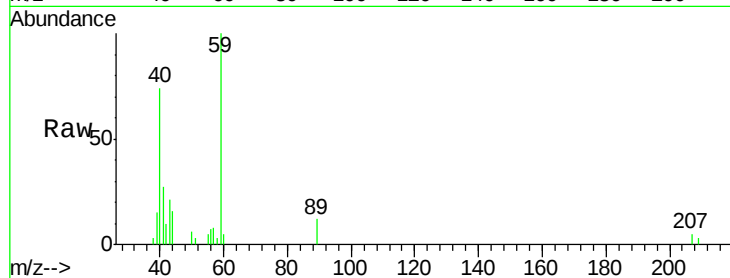
Tert butyl alcohol
Concen: 123.325 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.0	8.4	12.6#

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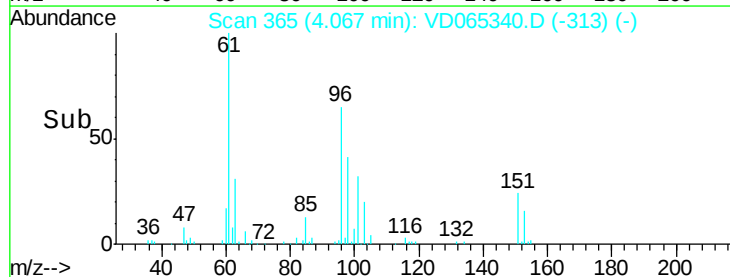
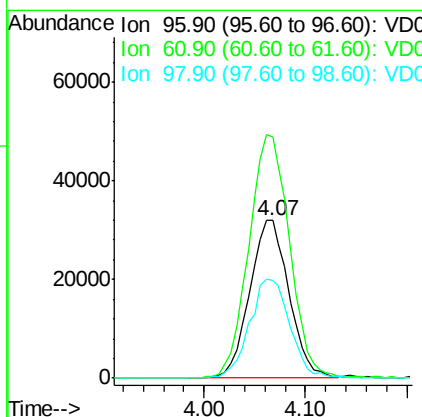
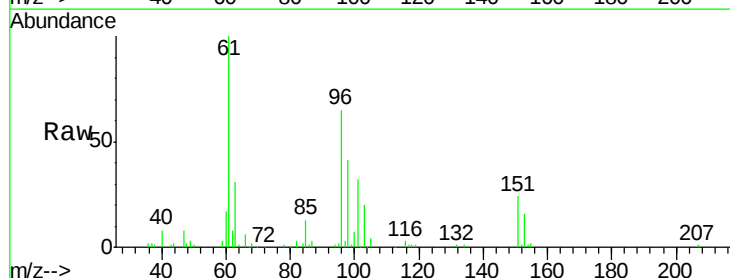
MMDadoda
2/28/2020 9:59:08 AM

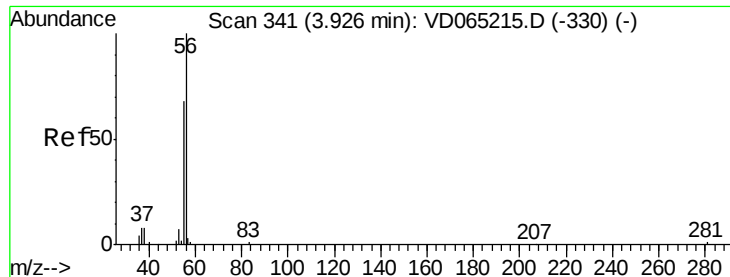


#12

1,1-Dichloroethene
Concen: 19.519 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
96	100		
61	153.6	123.3	184.9
98	62.5	51.0	76.4





#13

Acrolein

Concen: 90.893 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 56 Resp: 34337

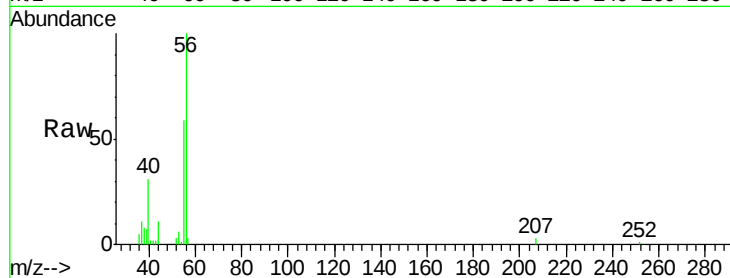
Ion Ratio Lower Upper

56 100

55 72.3 56.6 85.0

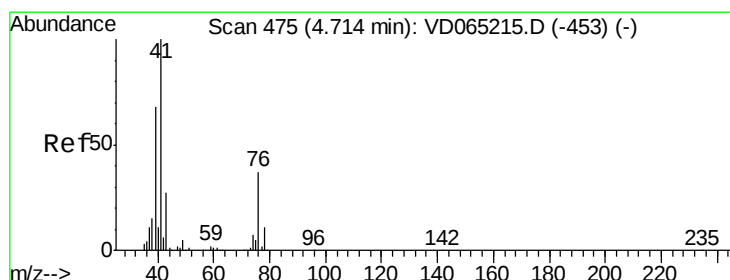
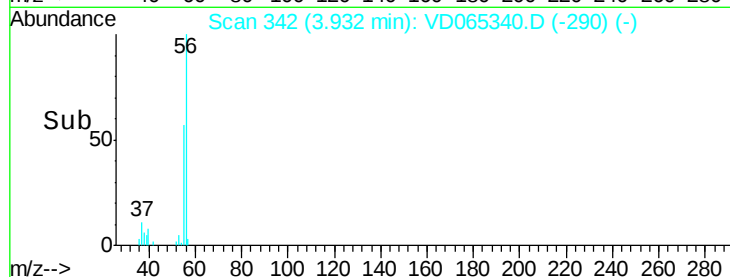
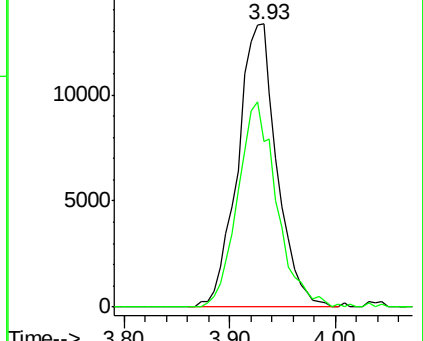
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 18.957 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

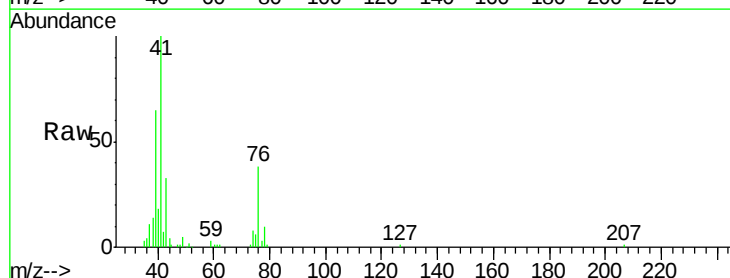
Tgt Ion: 41 Resp: 135910

Ion Ratio Lower Upper

41 100

39 64.5 53.8 80.6

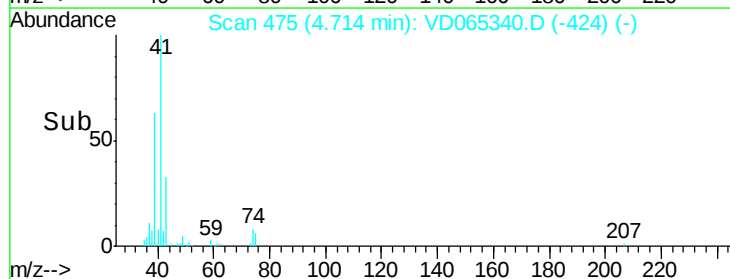
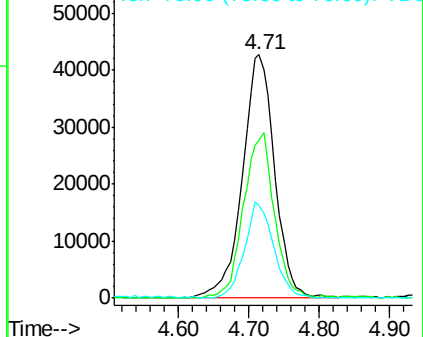
76 35.6 28.7 43.1

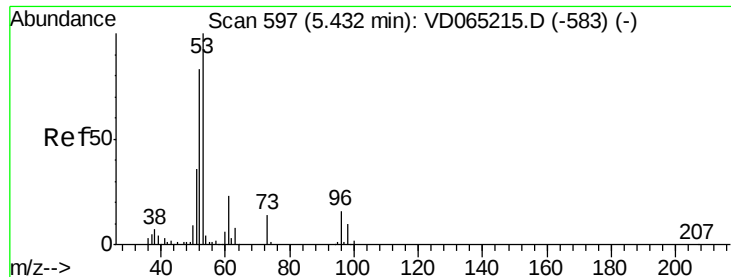


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 99.476 ug/l

RT: 5.44 min Scan# 598

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

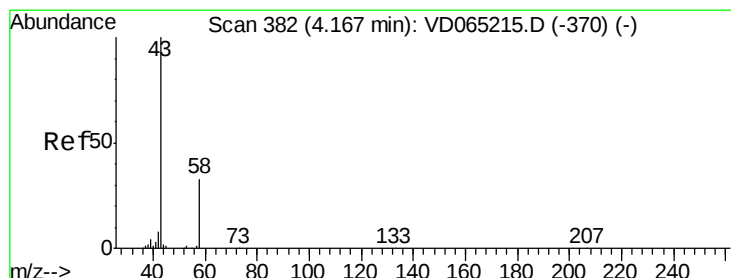
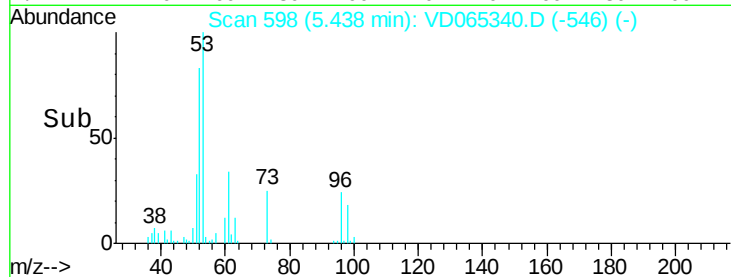
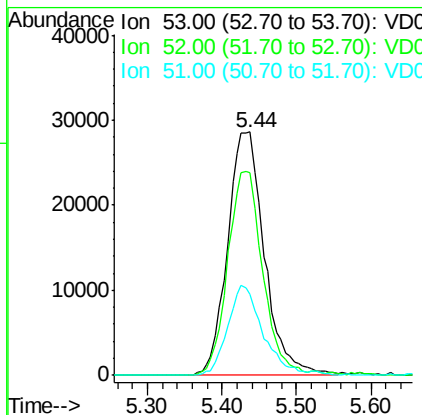
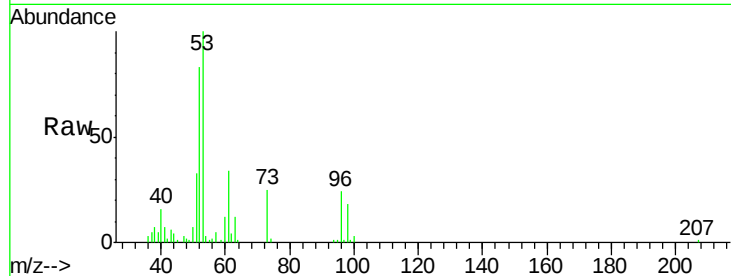
ClientSampleId :

VD0227SBS01

Tot Ion:	53	Resp:	98384
Ion Ratio	Lower	Upper	
53	100		
52	79.1	65.4	98.2
51	35.6	29.5	44.3

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#16

Acetone

Concen: 87.505 ug/l

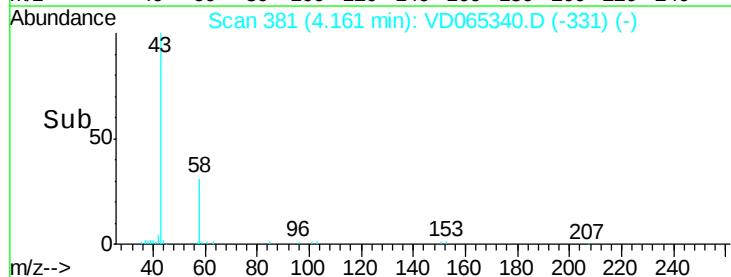
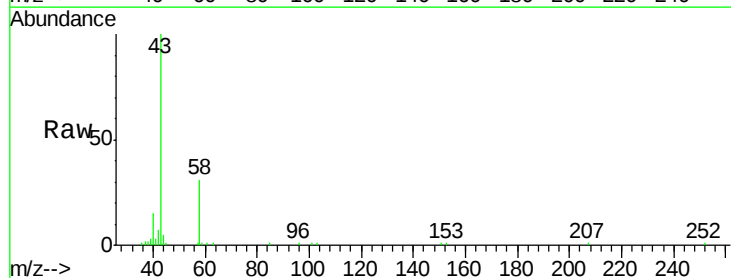
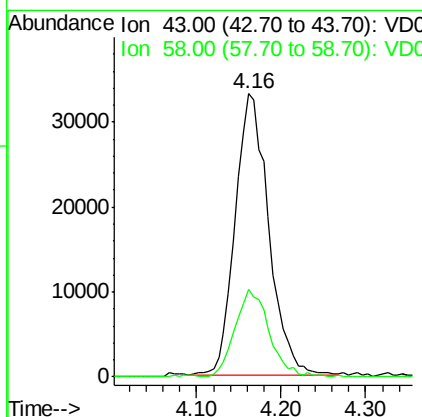
RT: 4.16 min Scan# 381

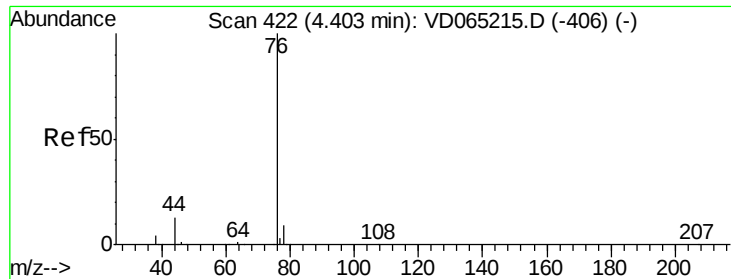
Delta R.T. -0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion:	43	Resp:	91629
Ion Ratio	Lower	Upper	
43	100		
58	30.5	26.2	39.2





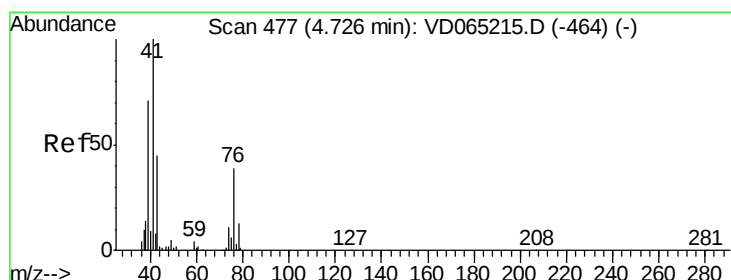
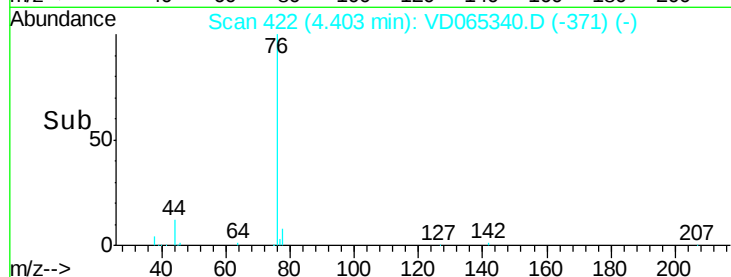
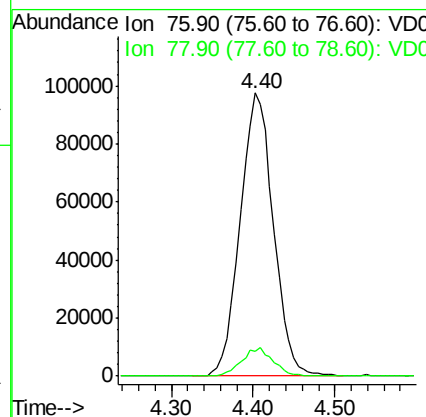
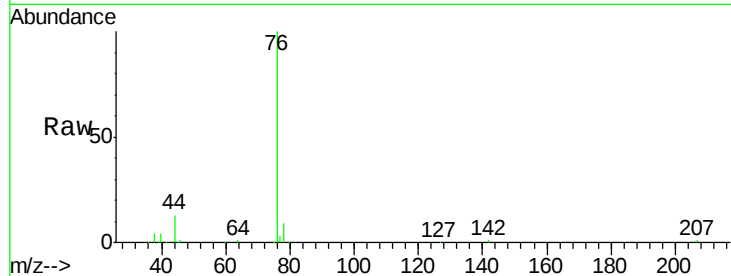
#17
Carbon Disulfide
Concen: 18.596 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.6

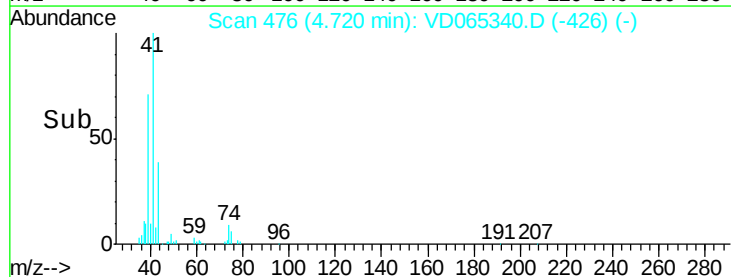
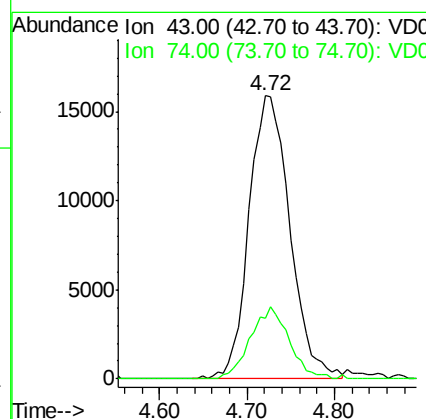
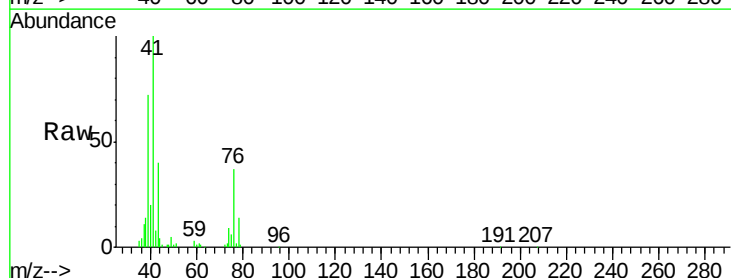
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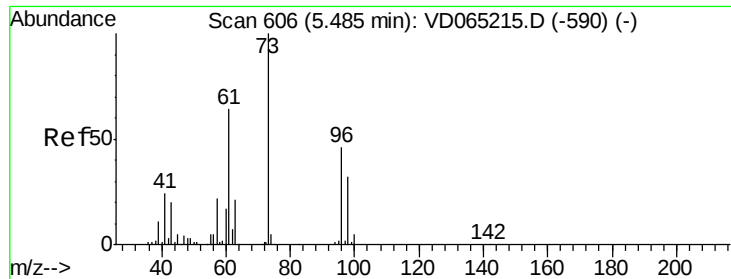
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#18
Methyl Acetate
Concen: 21.509 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.1	19.4	29.2





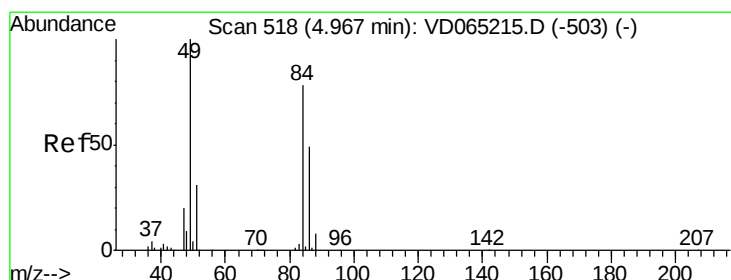
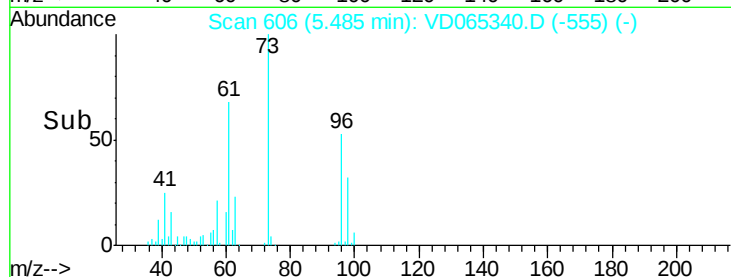
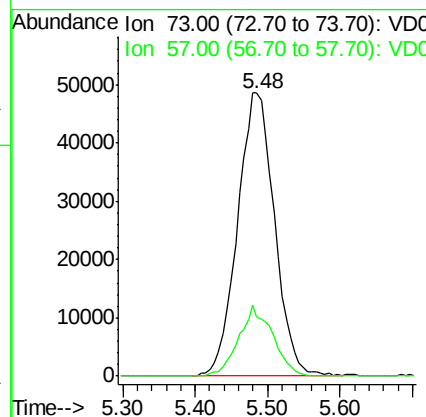
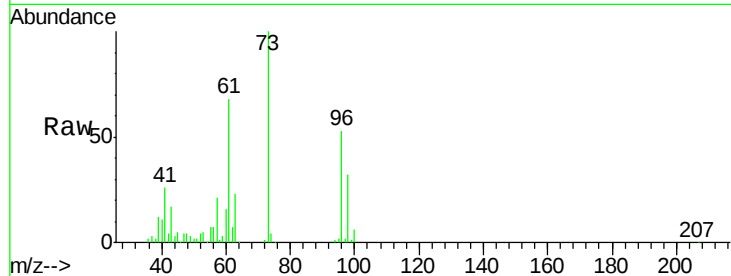
#19
Methyl tert-butyl Ether
Concen: 18.728 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion: 73 Resp: 172418
Ion Ratio Lower Upper
73 100
57 21.2 17.3 25.9

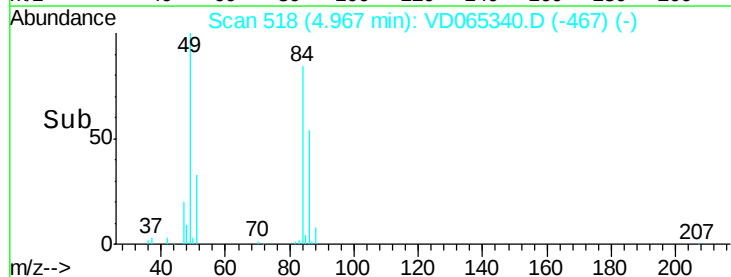
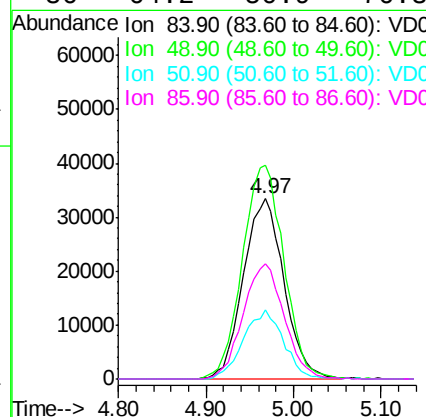
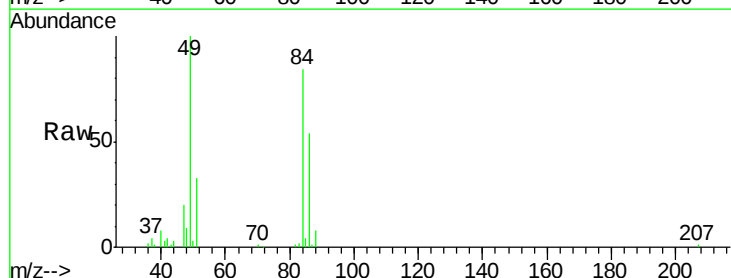
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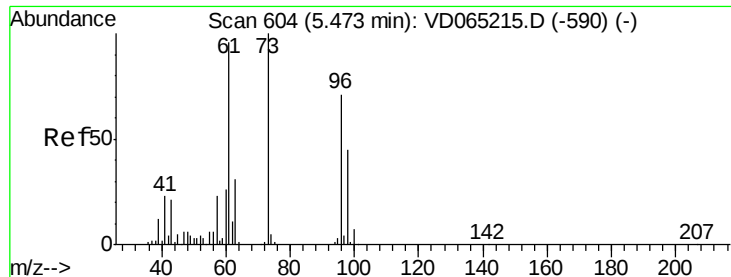
MMDadoda
2/28/2020 9:59:08 AM



#20
Methylene Chloride
Concen: 19.889 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 84 Resp: 105652
Ion Ratio Lower Upper
84 100
49 118.5 103.1 154.7
51 38.6 31.7 47.5
86 64.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 19.708 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

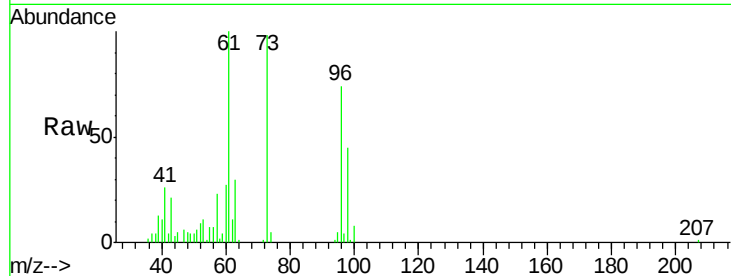
ClientSampleId :

VD0227SBS01

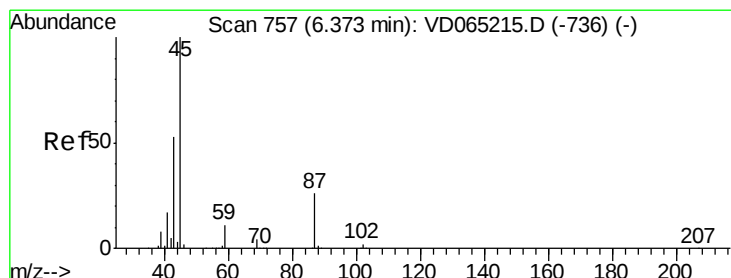
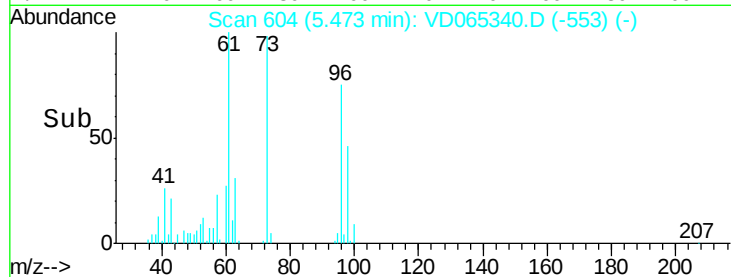
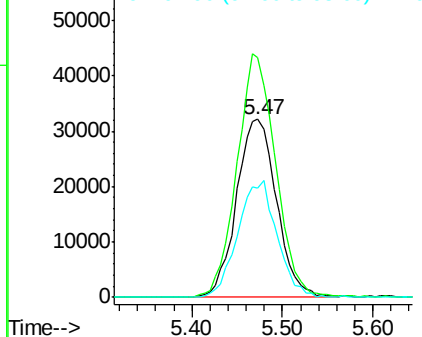
Tot Ion:	96	Resp:	98909
Ion	Ratio	Lower	Upper
96	100		
61	134.4	108.3	162.5
98	60.9	50.7	76.1

Manual Integrations
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 19.883 ug/l

RT: 6.37 min Scan# 756

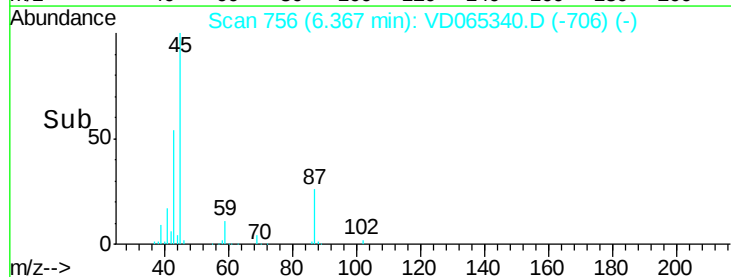
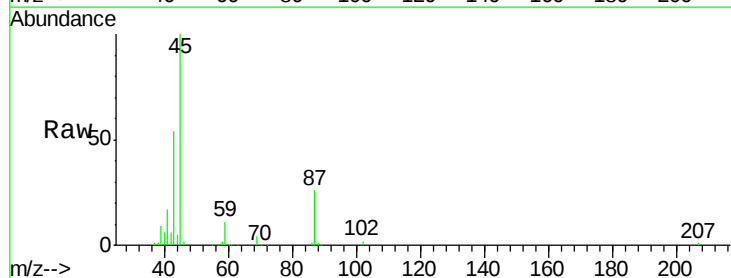
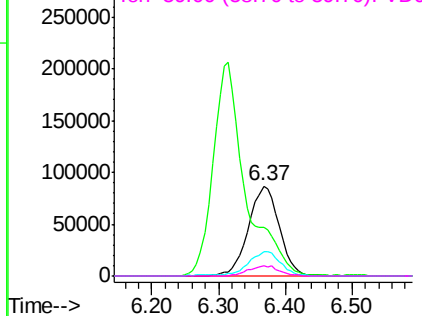
Delta R.T. -0.01 min

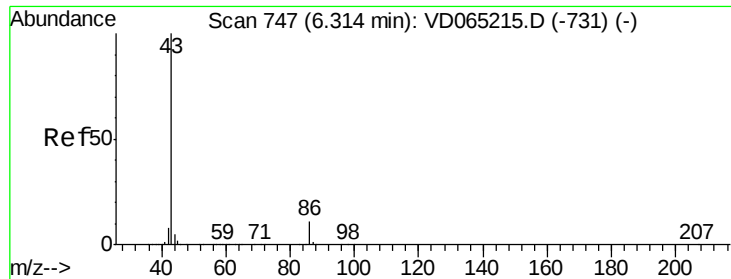
Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion:	45	Resp:	274797
Ion	Ratio	Lower	Upper
45	100		
43	53.2	42.6	64.0
87	26.2	21.2	31.8
59	10.9	8.9	13.3

Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 91.883 ug/l

RT: 6.31 min Scan# 747

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 43 Resp: 700078

Ion Ratio Lower Upper

43 100

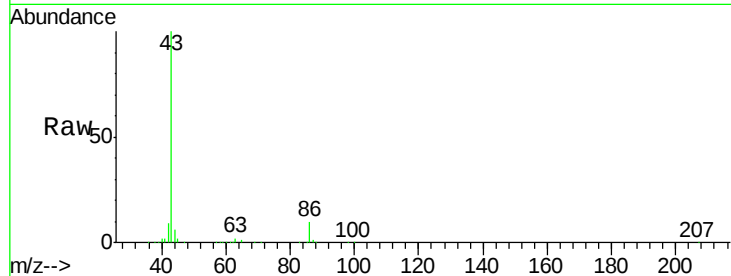
86 10.4 8.6 12.8

Manual Integrations

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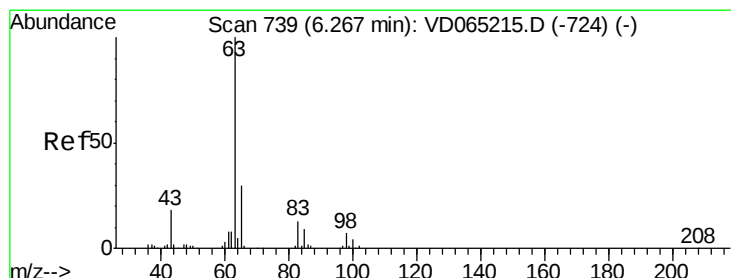
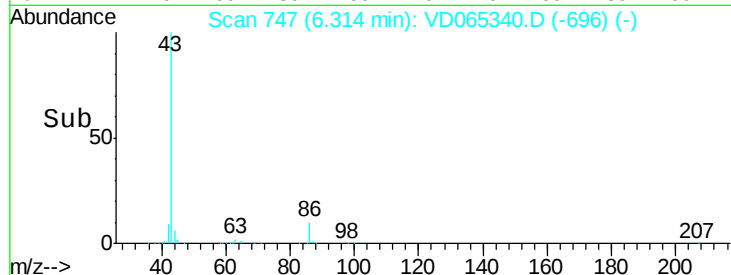
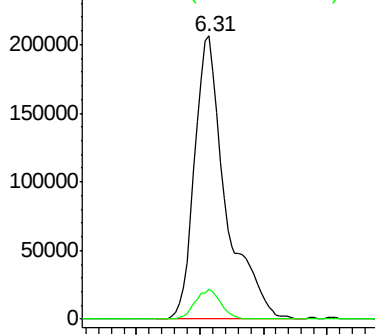
MMDadoda

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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: 19.655 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

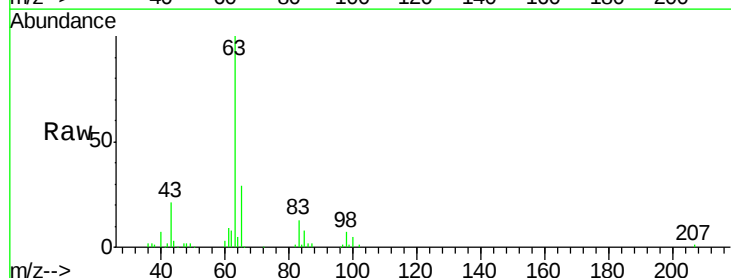
Tgt Ion: 63 Resp: 168492

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.1

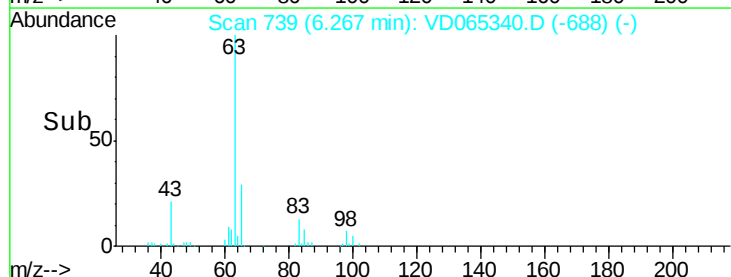
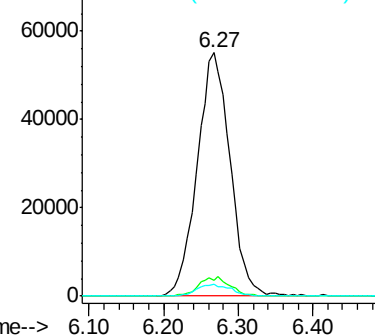
100 4.8 2.3 6.8



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





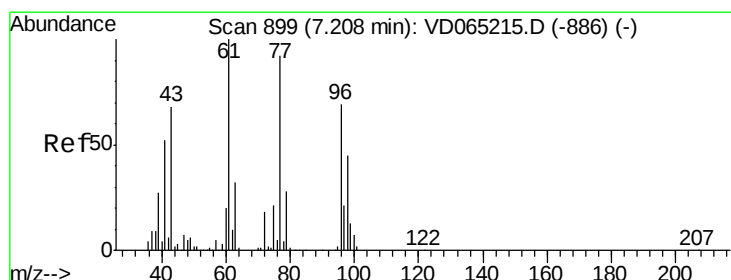
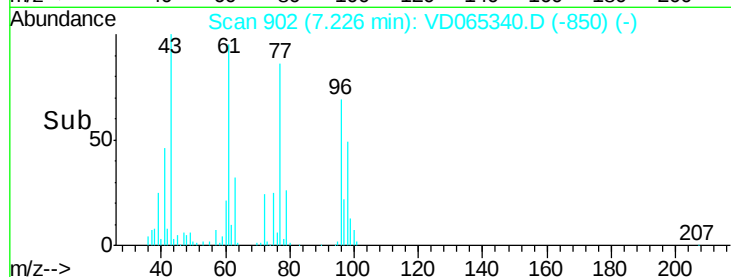
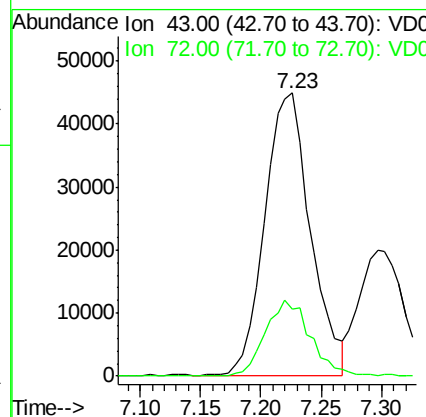
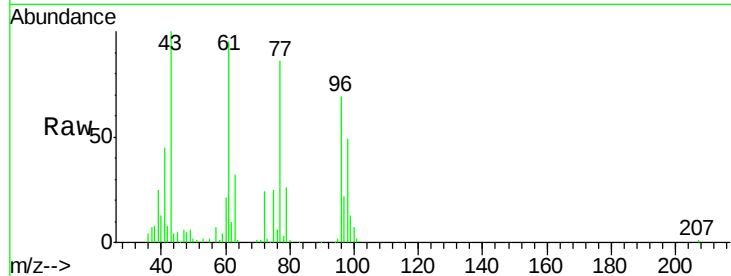
#25
2-Butanone
Concen: 89.153 ug/l
RT: 7.23 min Scan# 902
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion: 43 Resp: 118114
Ion Ratio Lower Upper
43 100
72 23.8 20.9 31.3

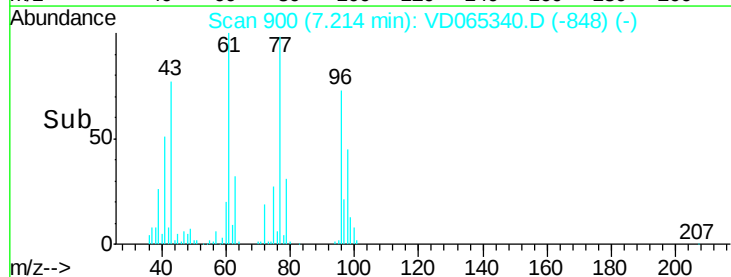
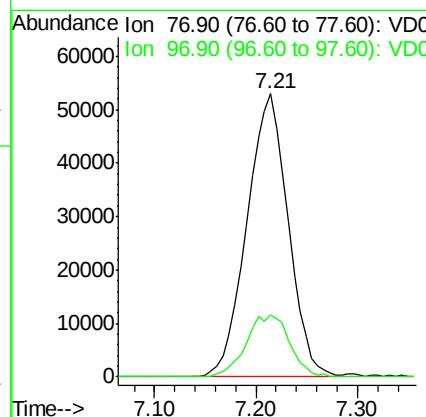
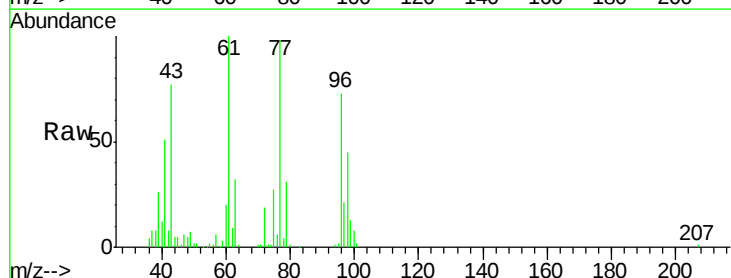
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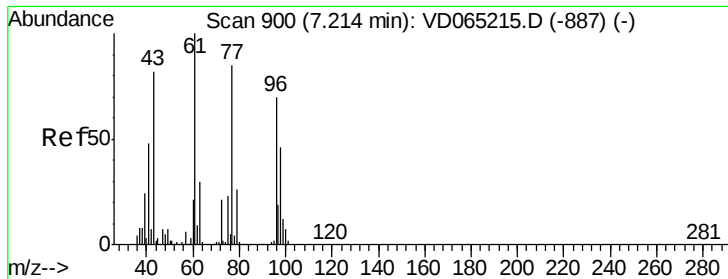
MMDadoda
2/28/2020 9:59:08 AM



#26
2,2-Dichloropropane
Concen: 20.100 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 77 Resp: 149495
Ion Ratio Lower Upper
77 100
97 23.0 11.7 35.1





#27

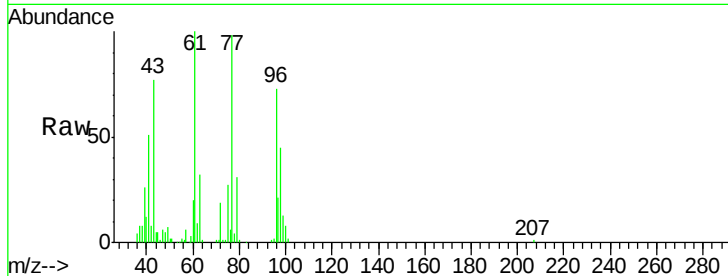
cis-1,2-Dichloroethene
Concen: 19.444 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

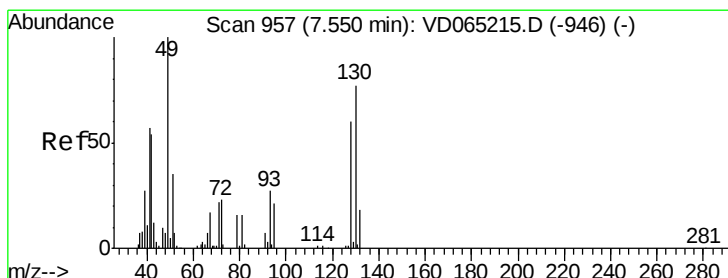
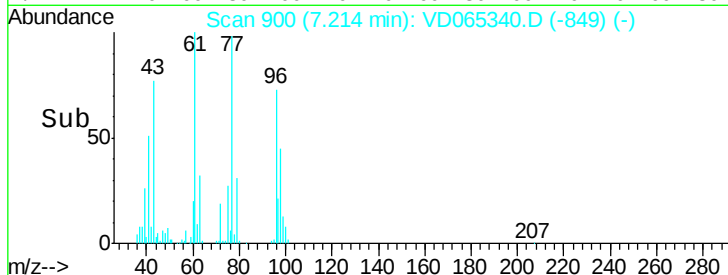
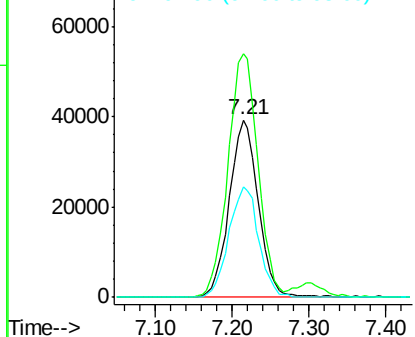
Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	0.0	286.0
98	64.0	0.0	127.8

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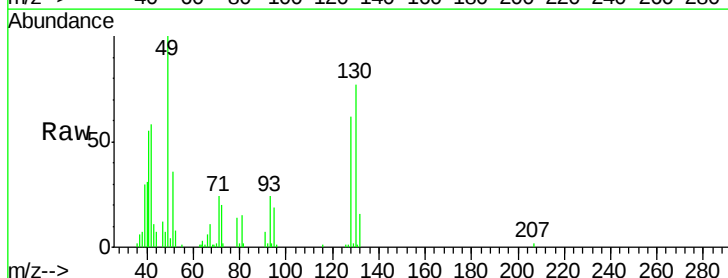
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



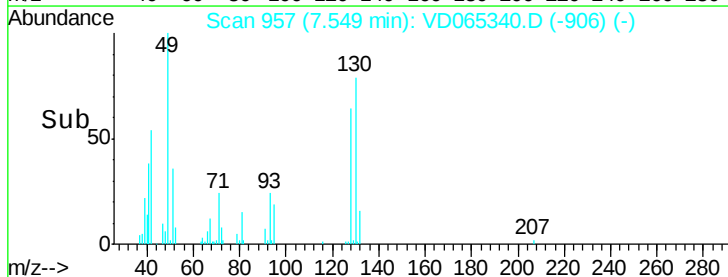
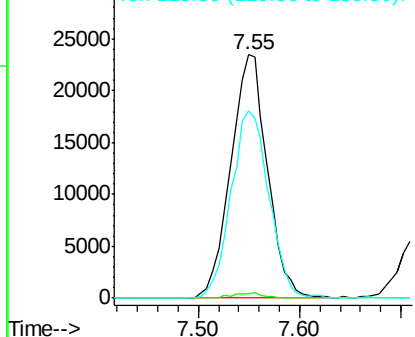
#28

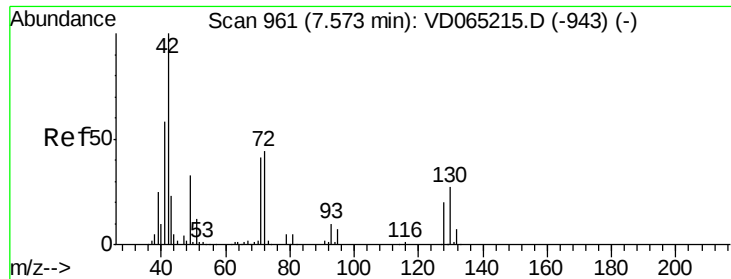
Bromochloromethane
Concen: 18.467 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	4.6
130	79.7	64.7	97.1



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): VDC
Ion 129.80 (129.50 to 130.50): VDC





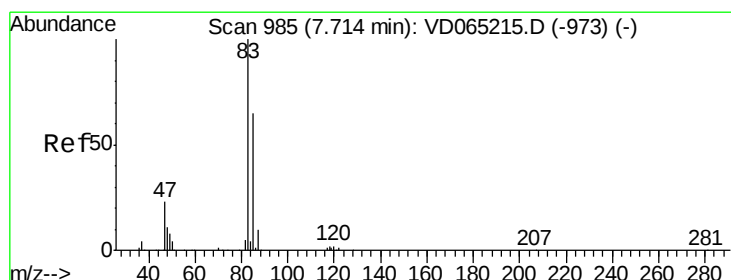
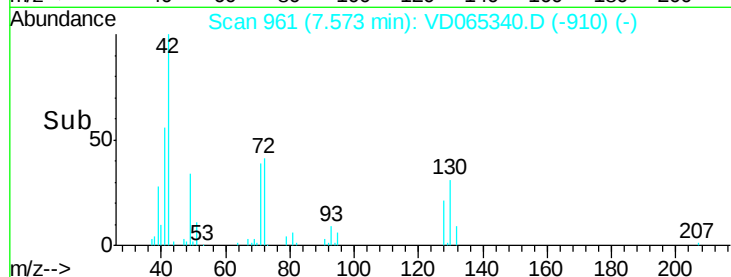
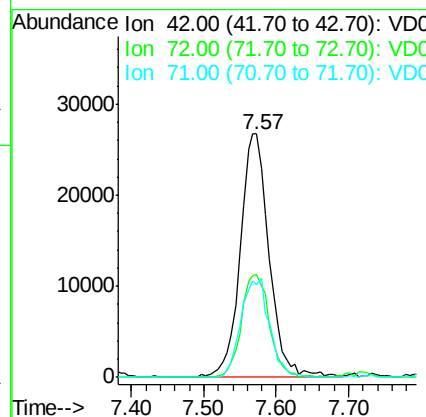
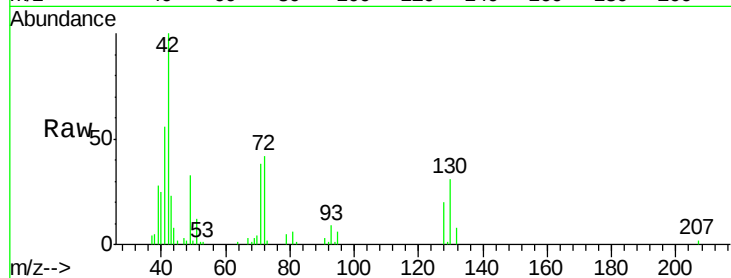
#29
Tetrahydrofuran
Concen: 95.478 ug/l
RT: 7.57 min Scan# 961
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.6	33.7	50.5
71	39.8	31.4	47.2

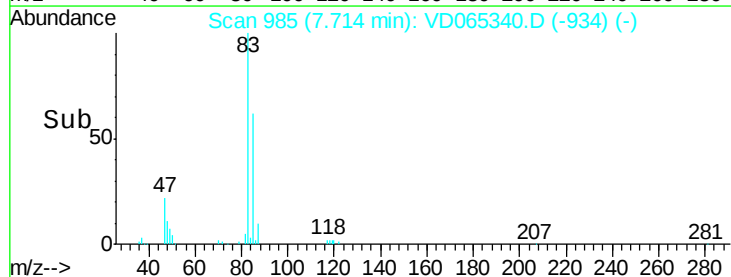
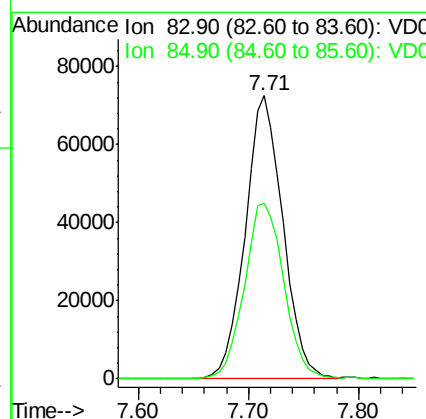
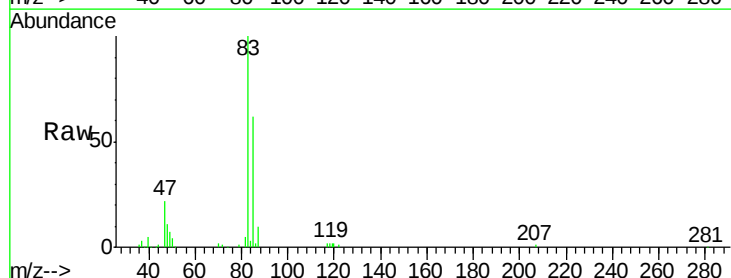
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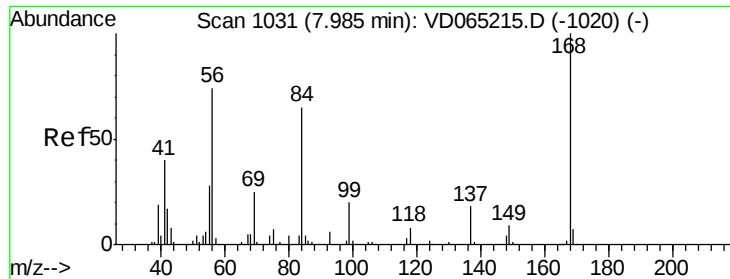
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#30
Chloroform
Concen: 20.128 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.0	52.3	78.5





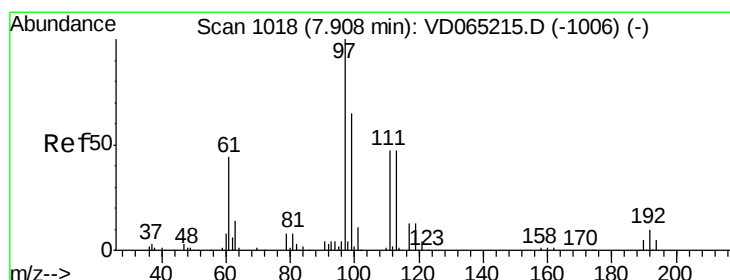
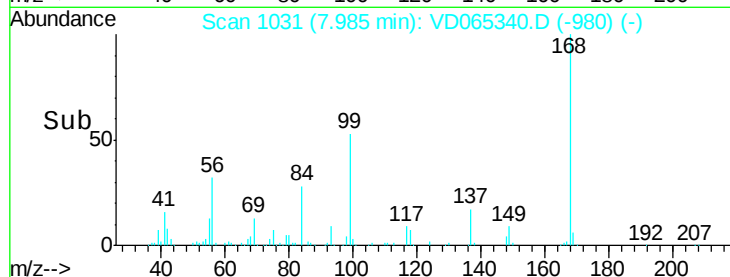
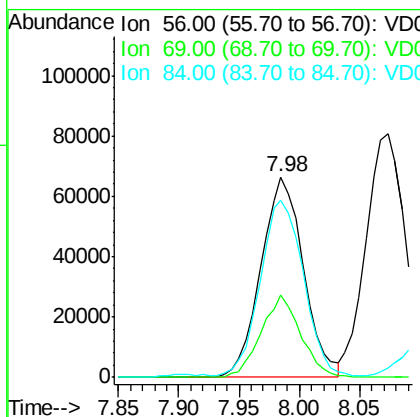
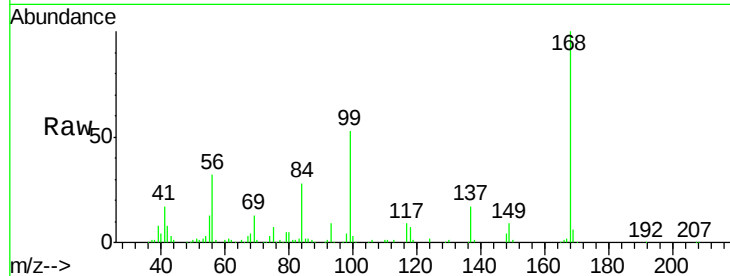
#31
Cyclohexane
Concen: 19.224 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.2	27.4	41.0#
84	87.3	71.1	106.7

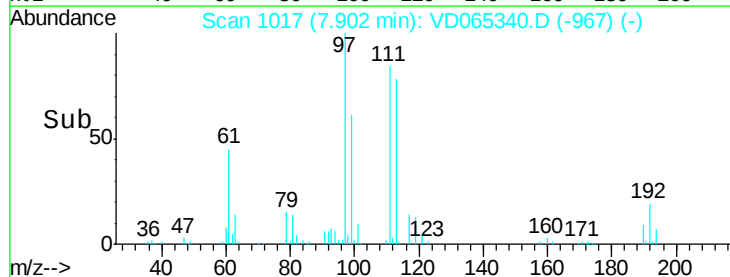
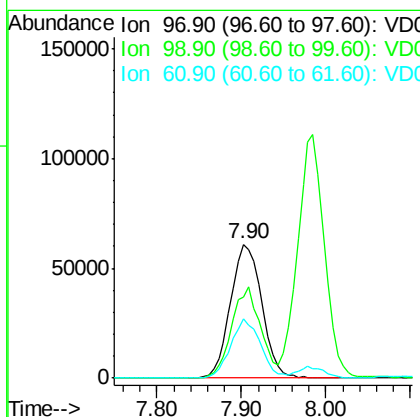
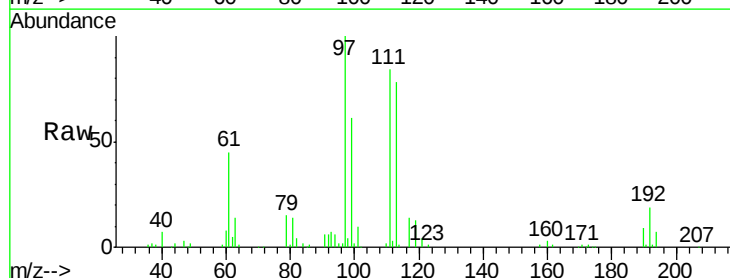
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#32
1,1,1-Trichloroethane
Concen: 20.203 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.8	51.4	77.2
61	42.3	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 46.717 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 65 Resp: 200118

Ion Ratio Lower Upper

65 100

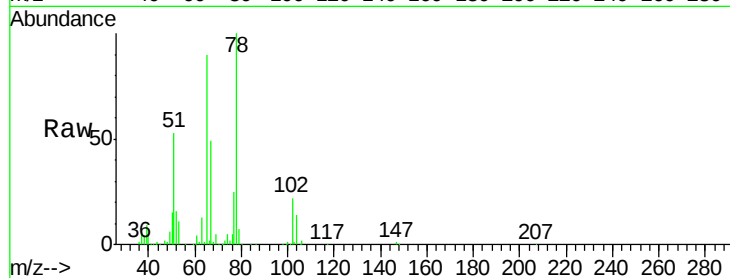
67 54.6 0.0 106.8

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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

100000

80000

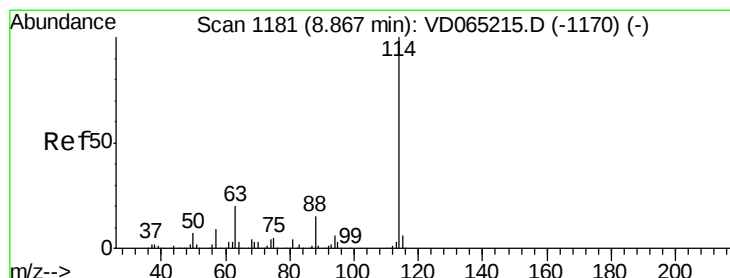
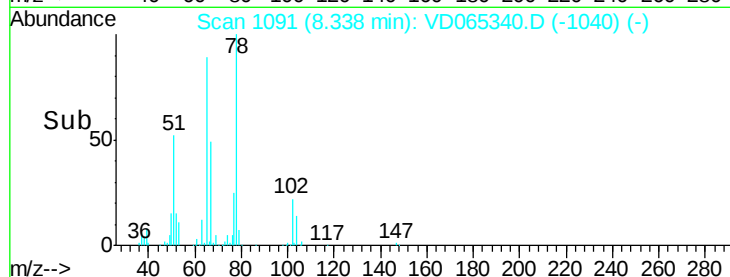
60000

40000

20000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

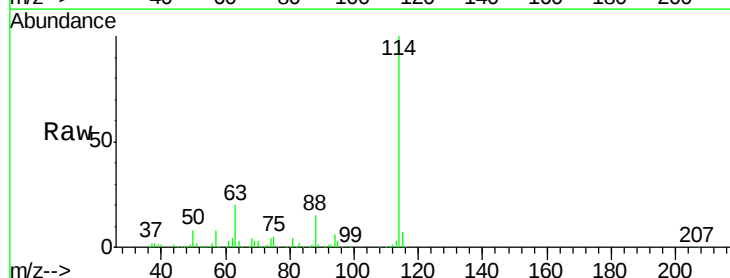
Tgt Ion: 114 Resp: 696489

Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.4

88 15.3 0.0 30.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

400000

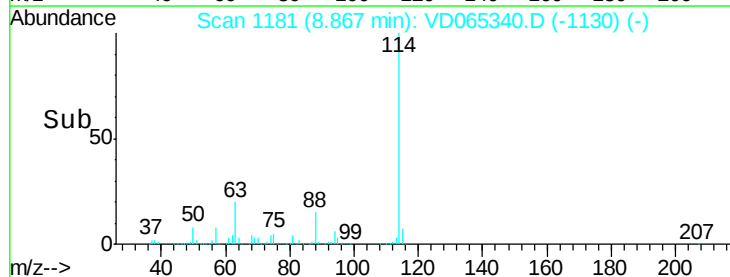
300000

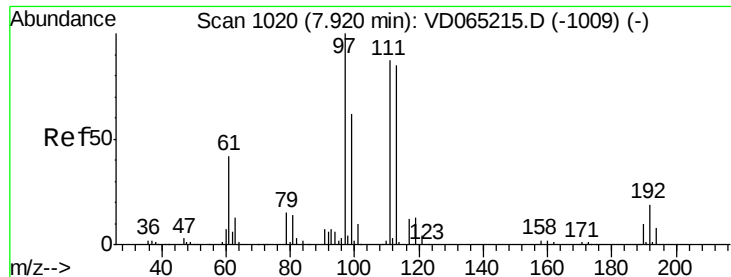
200000

100000

0

Time-->





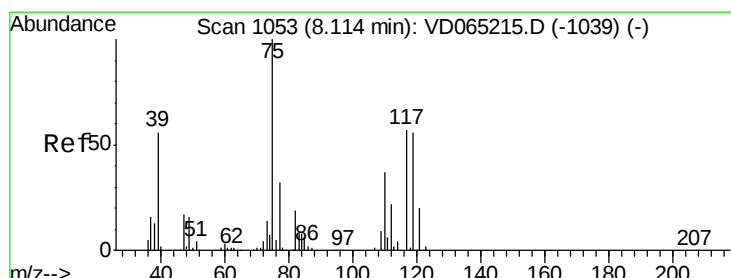
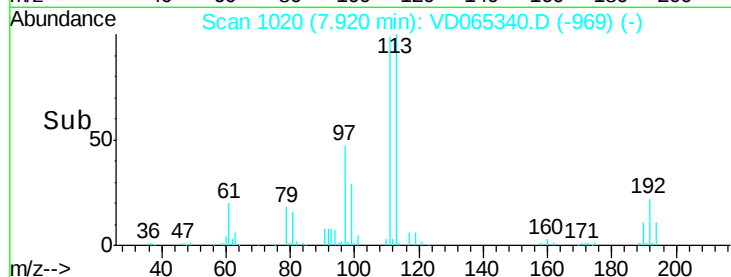
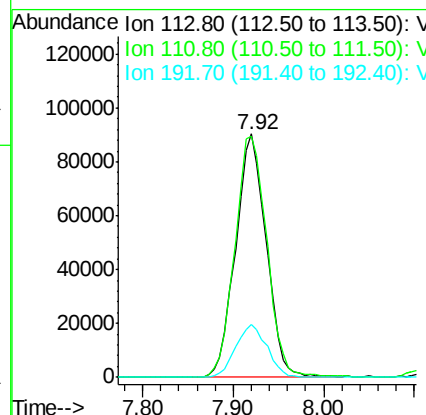
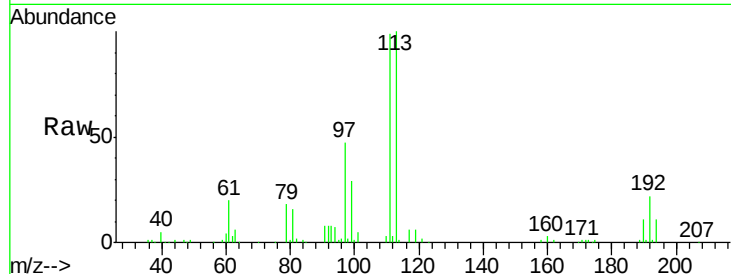
#35
Dibromofluoromethane
Concen: 49.962 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	212177		
111	103.4	82.9	124.3	
192	22.3	17.3	25.9	

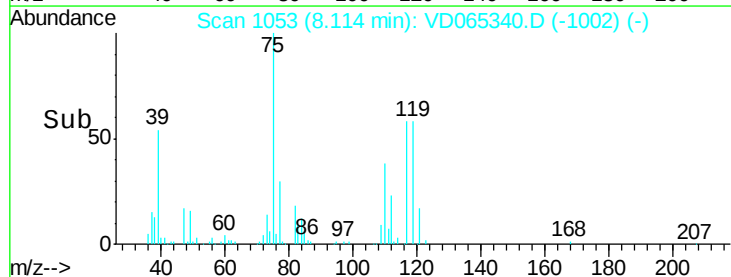
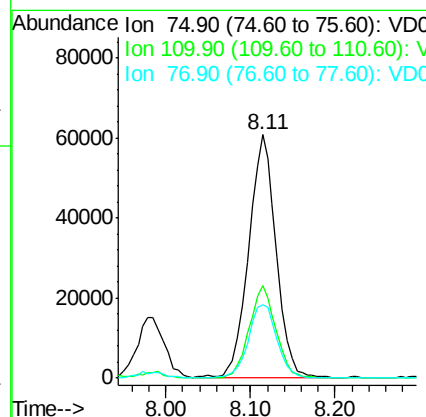
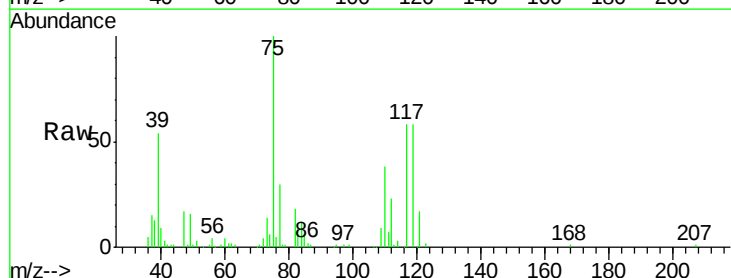
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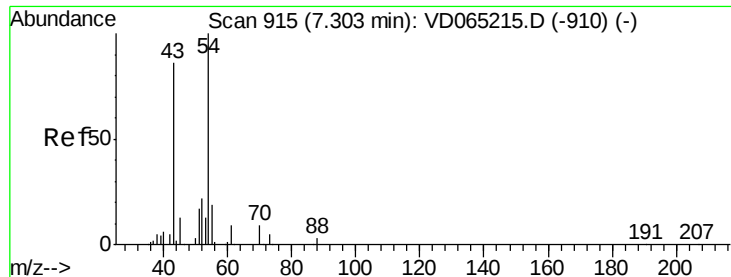
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#36
1,1-Dichloropropene
Concen: 20.348 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	137896		
110	36.6	17.9	53.7	
77	31.5	25.1	37.7	





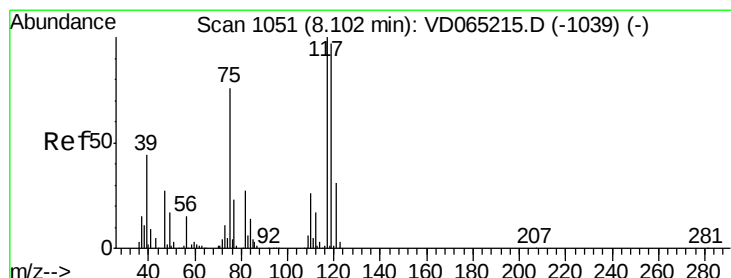
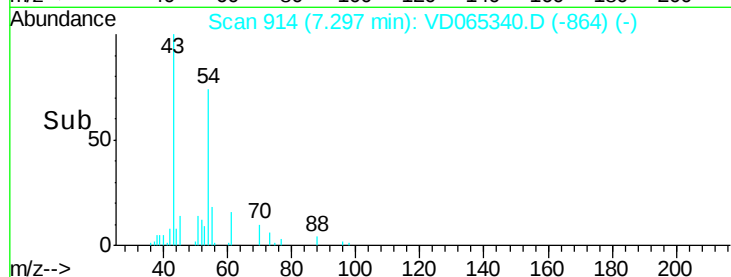
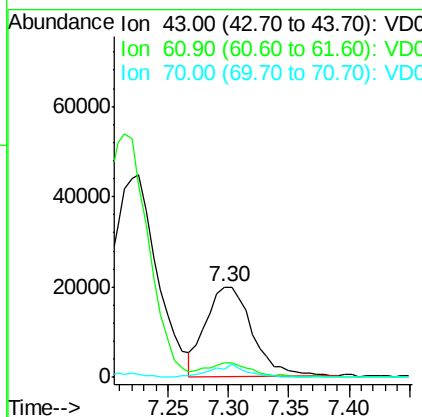
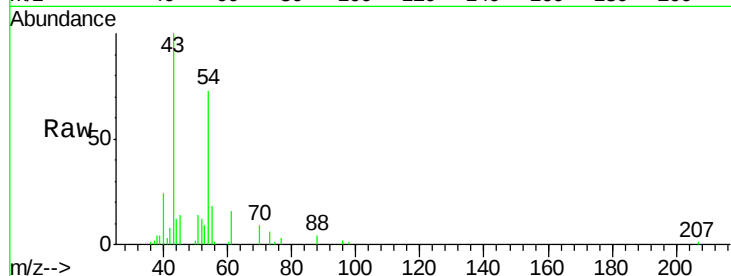
#37
Ethyl Acetate
Concen: 18.540 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.3	11.2	16.8
70	11.0	8.2	12.2

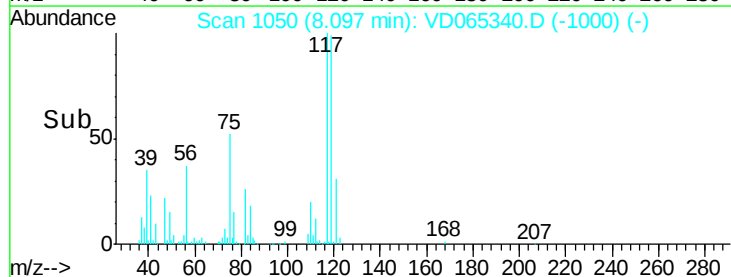
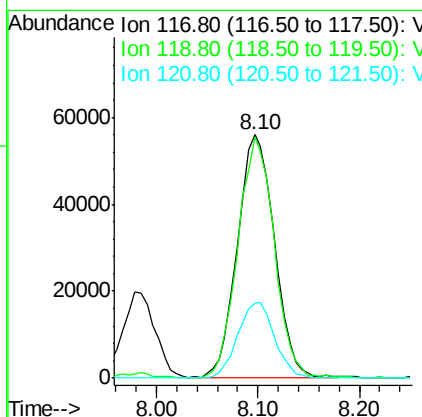
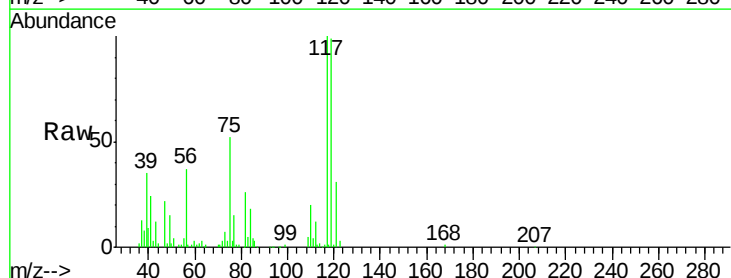
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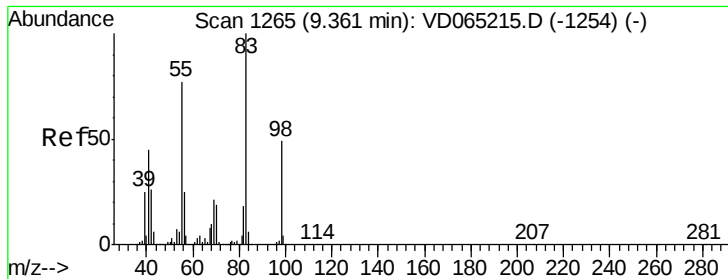
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#38
Carbon Tetrachloride
Concen: 20.450 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.3	77.6	116.4
121	31.0	24.8	37.2





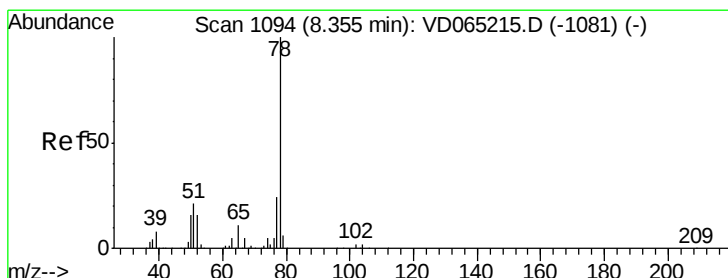
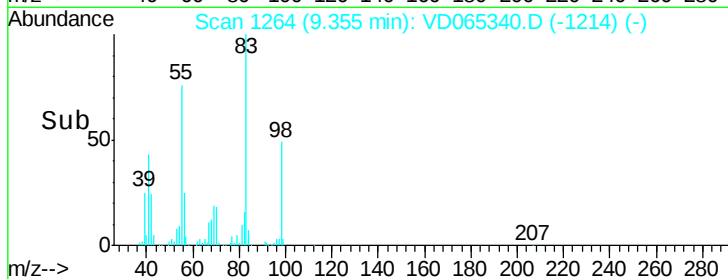
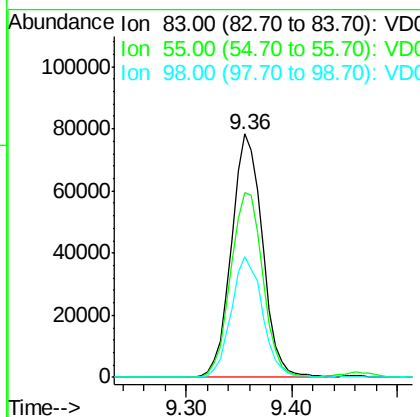
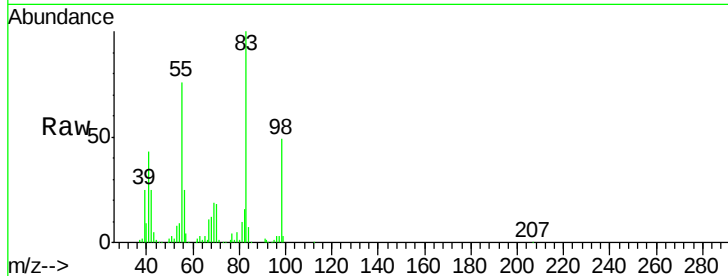
#39
Methvlcvclohexane
Concen: 19.996 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.1	61.8	92.6
98	49.4	39.4	59.0

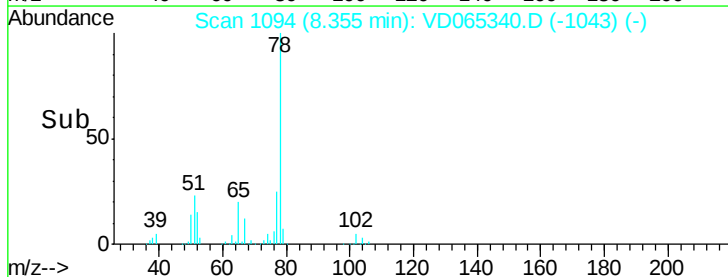
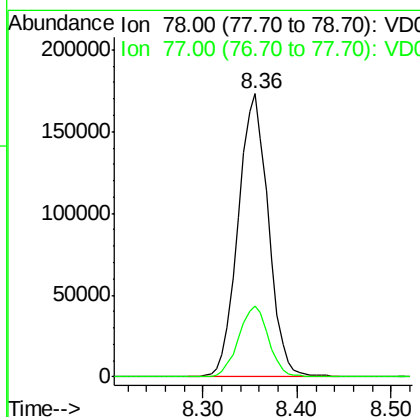
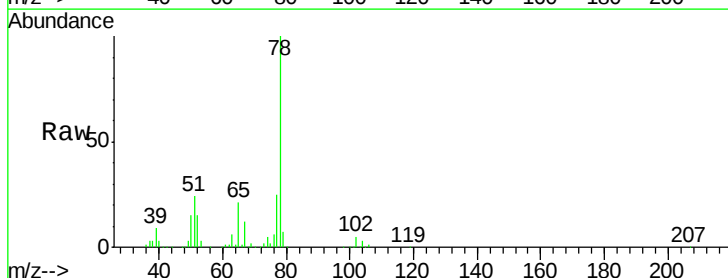
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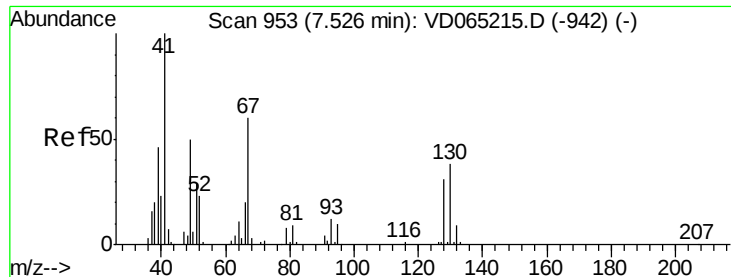
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#40
Benzene
Concen: 20.195 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
78	100		
77	25.0	19.0	28.6





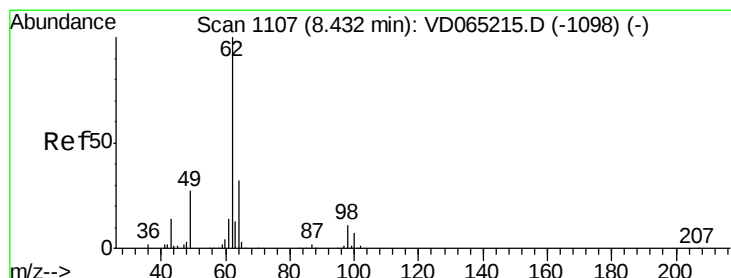
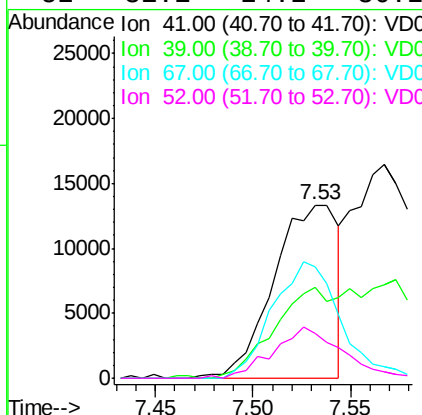
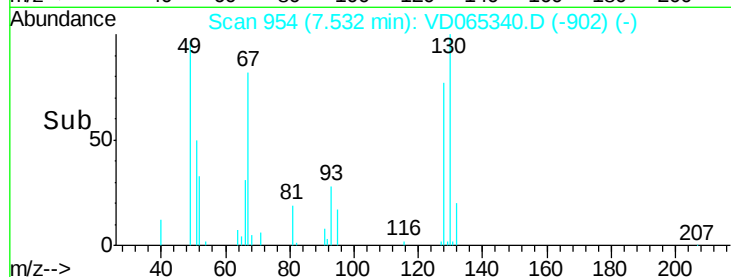
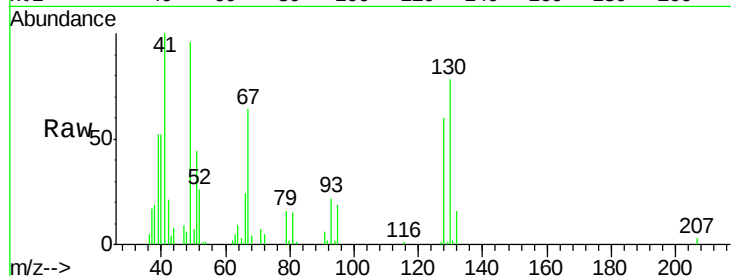
#41
Methacrylonitrile
Concen: 18.721 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	43.4	48.1	72.1#
67	70.5	58.9	88.3
52	31.1	24.2	36.2

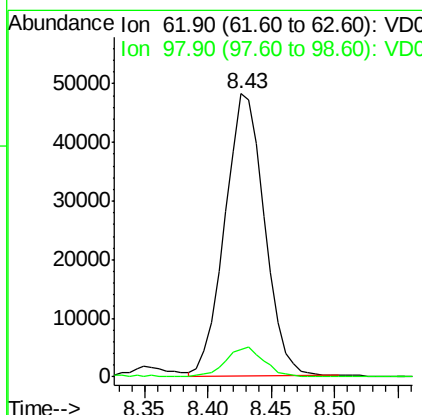
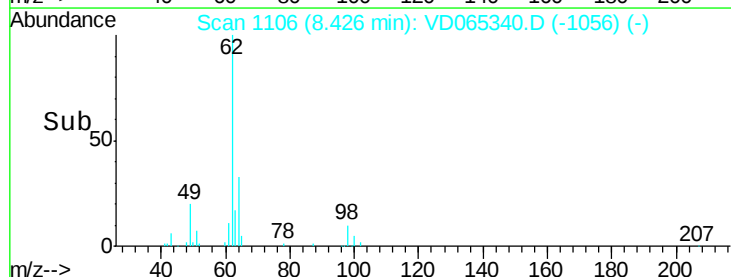
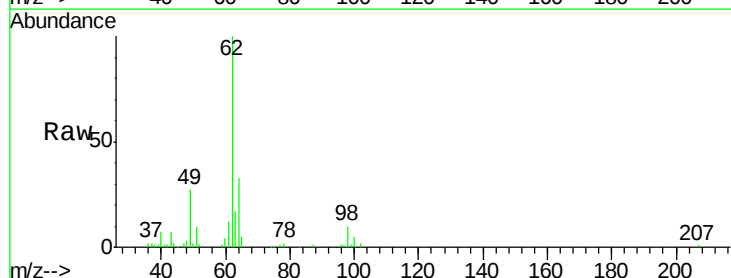
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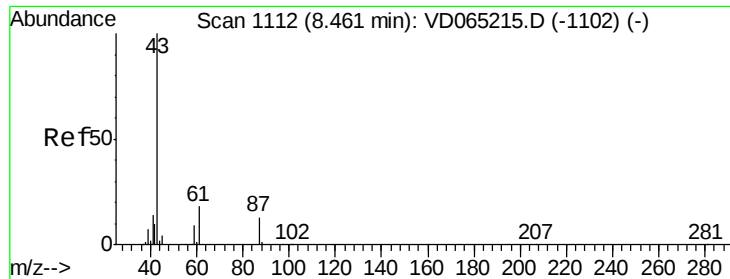
MMDadoda
2/28/2020 9:59:08 AM



#42
1,2-Dichloroethane
Concen: 19.858 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 18.915 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

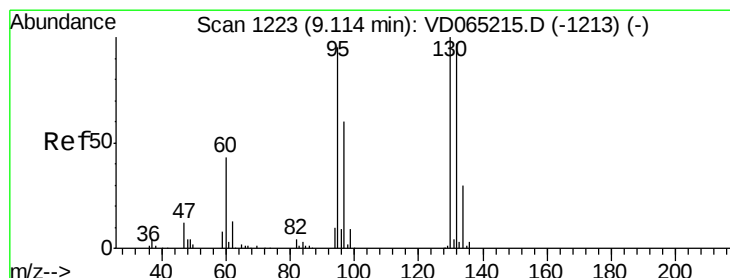
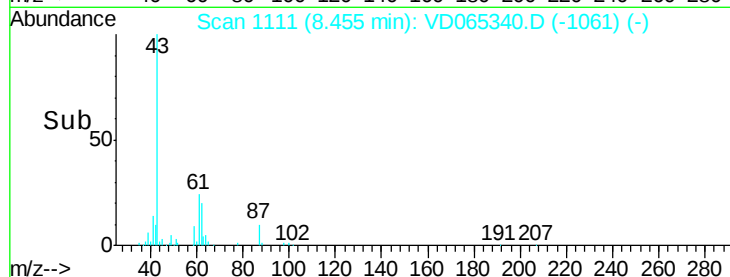
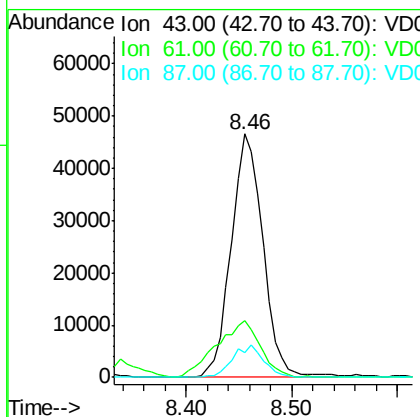
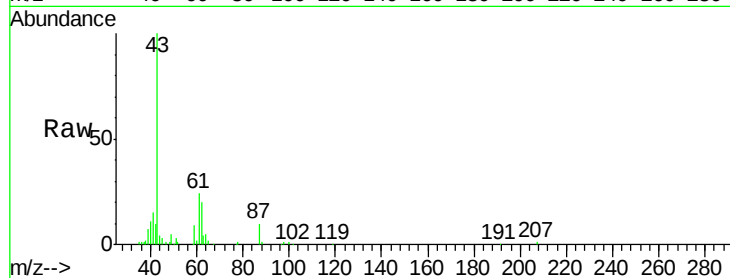
ClientSampleId :

VD0227SBS01

Tot Ion:	43	Resp:	97449
Ion	Ratio	Lower	Upper
43	100		
61	32.4	24.6	36.8
87	13.0	10.6	16.0

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#44

Trichloroethene

Concen: 20.685 ug/l

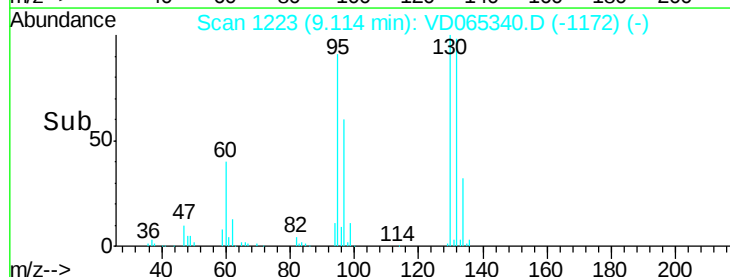
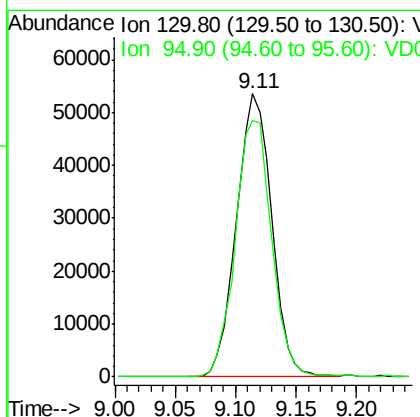
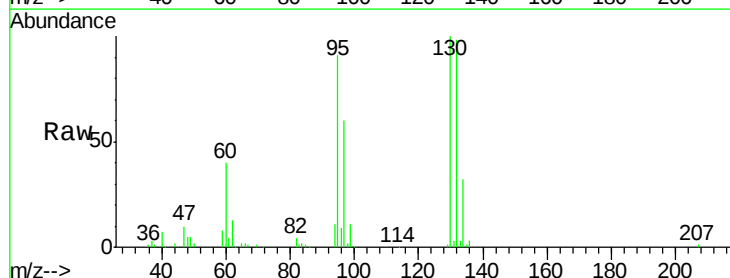
RT: 9.11 min Scan# 1223

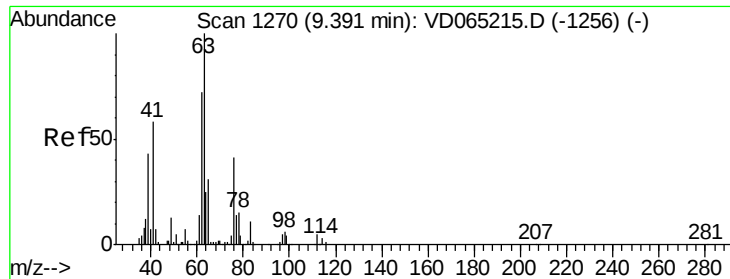
Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion:	130	Resp:	109681
Ion	Ratio	Lower	Upper
130	100		
95	90.7	0.0	190.6





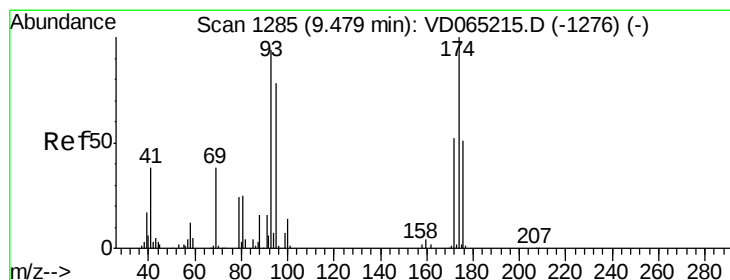
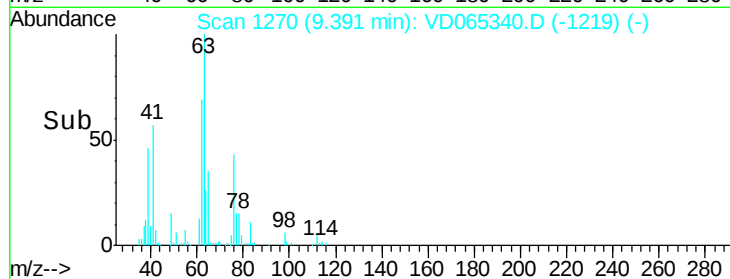
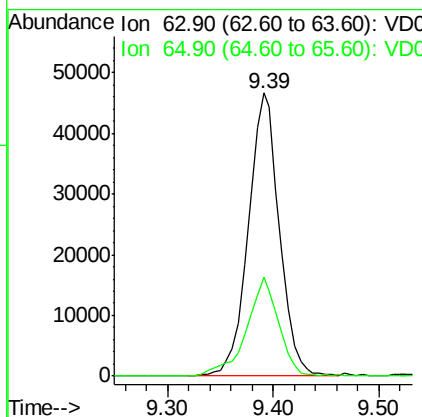
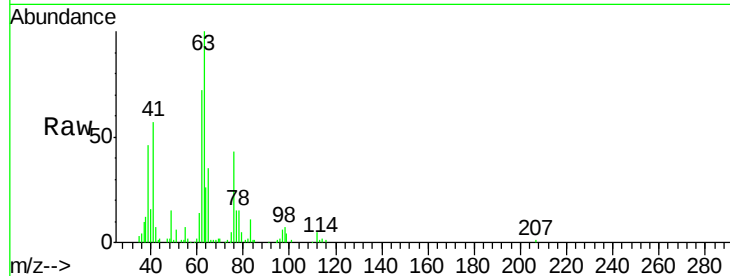
#45
 1,2-Dichloropropane
 Concen: 20.073 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	35.1	24.9	37.3

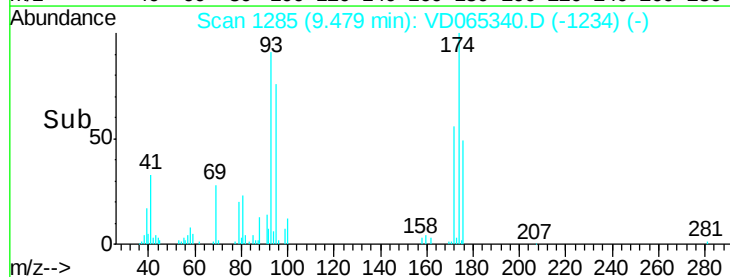
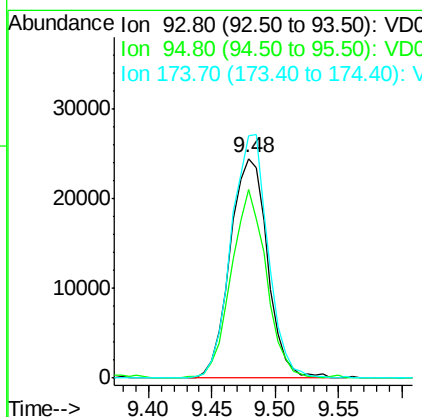
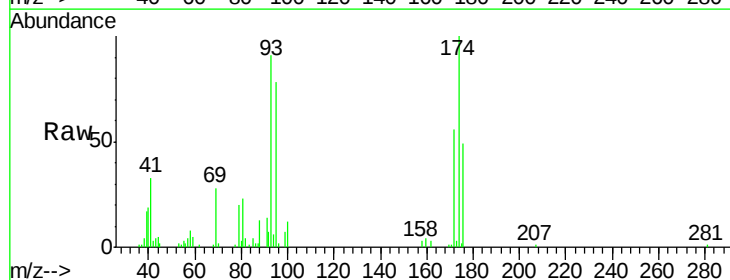
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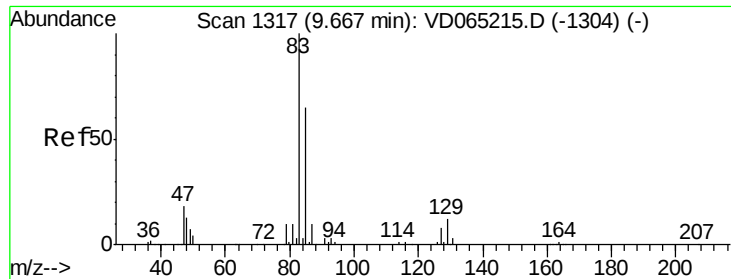
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 2/28/2020 9:59:08 AM



#46
 Dibromomethane
 Concen: 20.514 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
93	100		
95	80.2	65.8	98.6
174	108.5	86.8	130.2





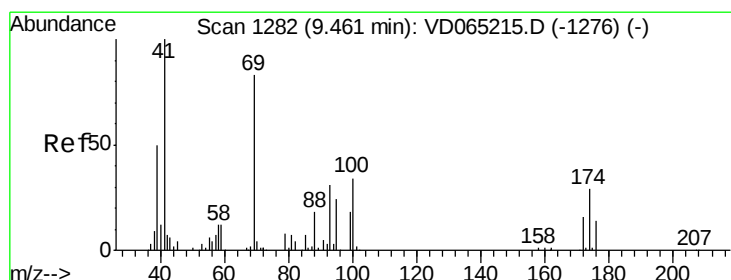
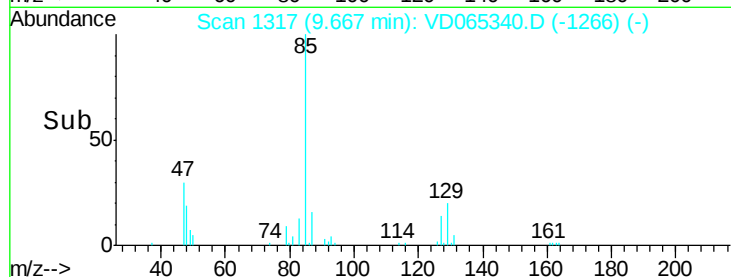
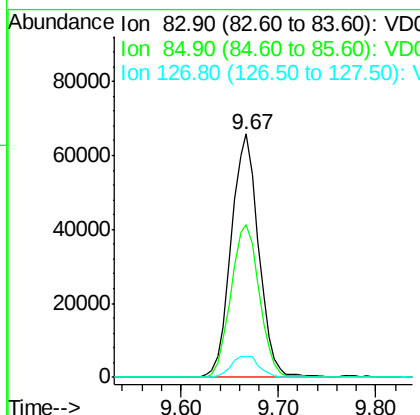
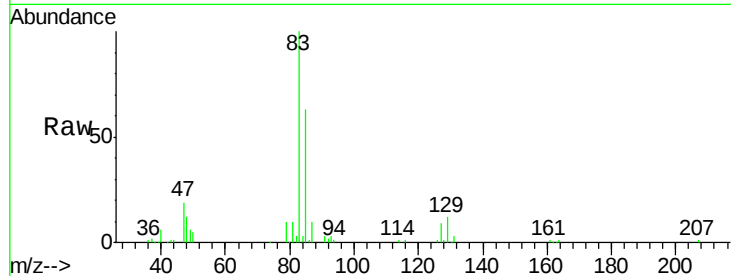
#47
Bromodichloromethane
Concen: 19.953 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100	128688		
85	62.6	52.0	78.0	
127	8.8	6.7	10.1	

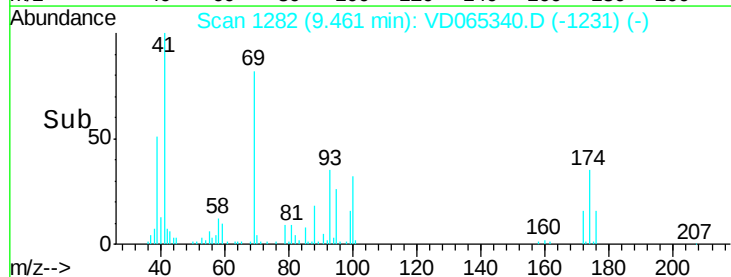
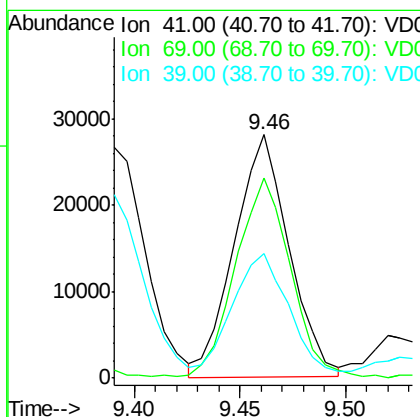
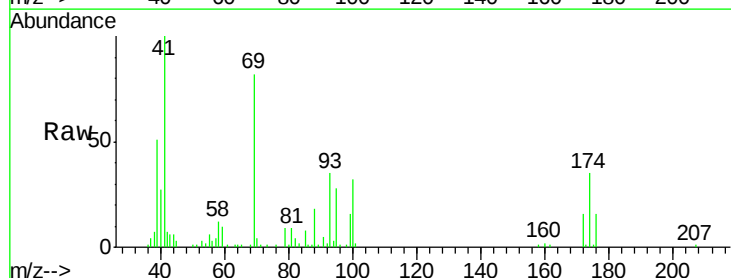
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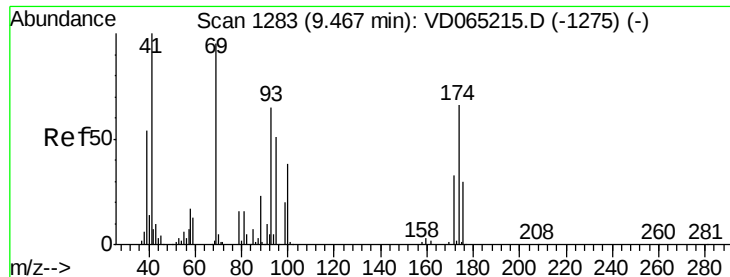
MMDadoda
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#48
Methyl methacrylate
Concen: 21.174 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	50422		
69	84.0	68.2	102.2	
39	48.2	42.0	63.0	





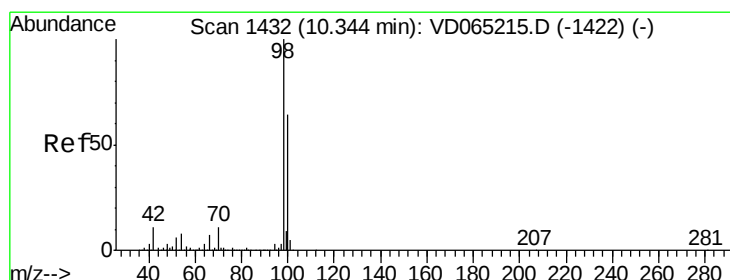
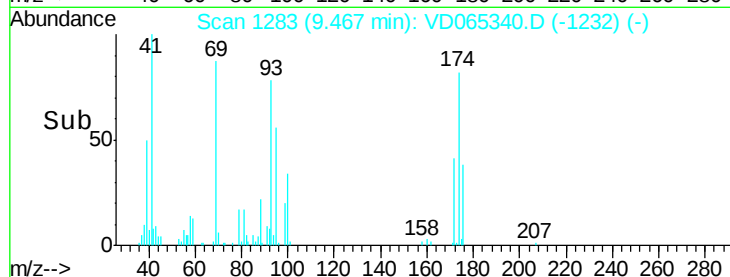
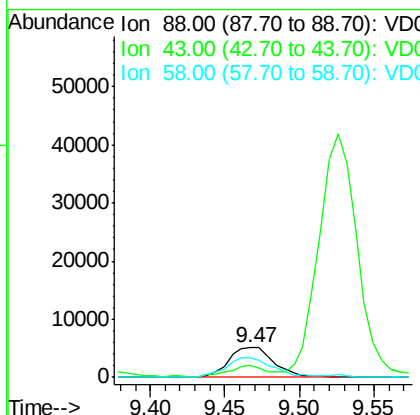
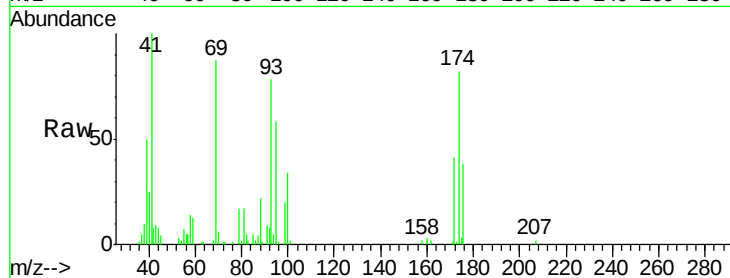
#49
1,4-Dioxane
Concen: 382.296 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	88	Resp	10973
Ion	Ratio	Lower	Upper
88	100		
43	34.2	28.5	42.7
58	70.0	58.6	87.8

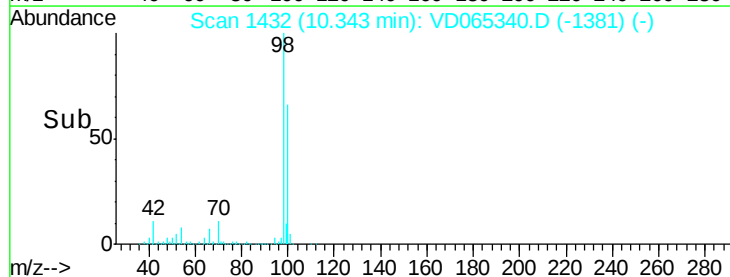
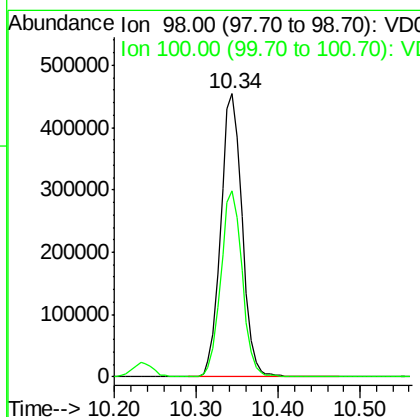
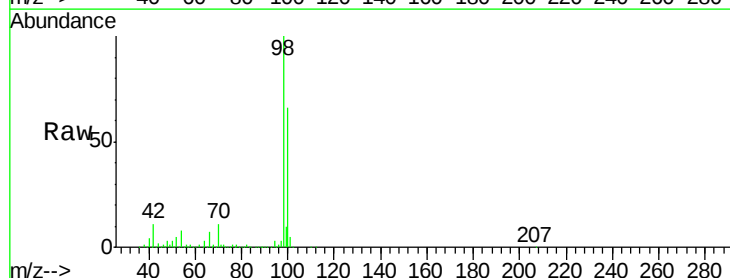
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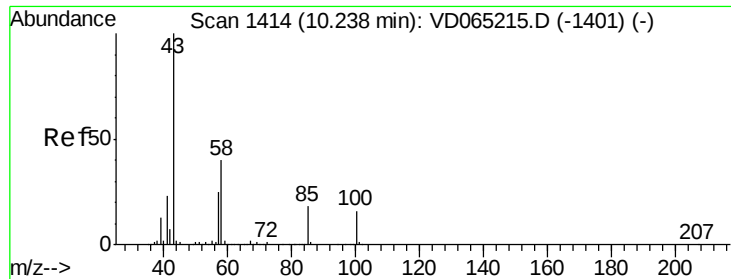
MMDadoda
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#50
Toluene-d8
Concen: 51.067 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	98	Resp	829082
Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.0	78.0





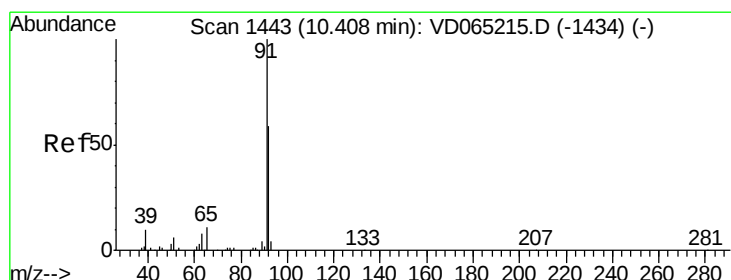
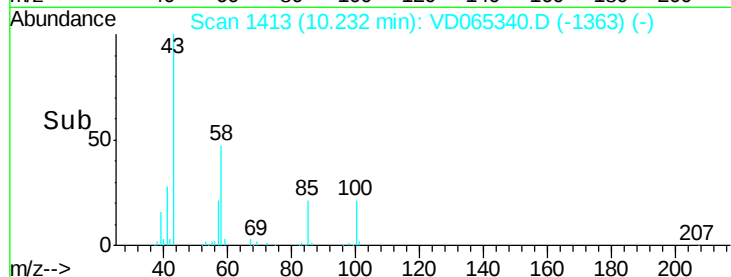
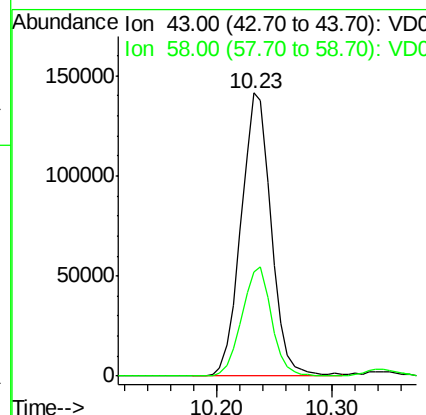
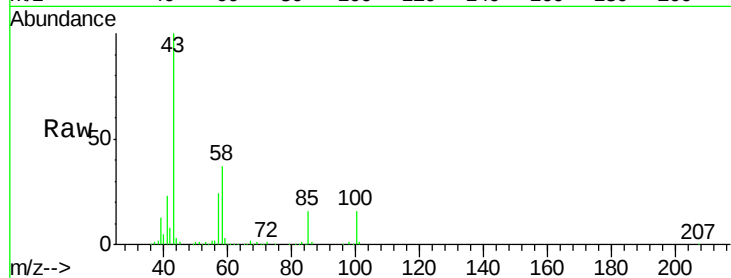
#51
4-Methyl-2-Pentanone
Concen: 97.627 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	43	Resp	255457
Ion Ratio	100	Lower	Upper
43	100		
58	38.1	31.1	46.7

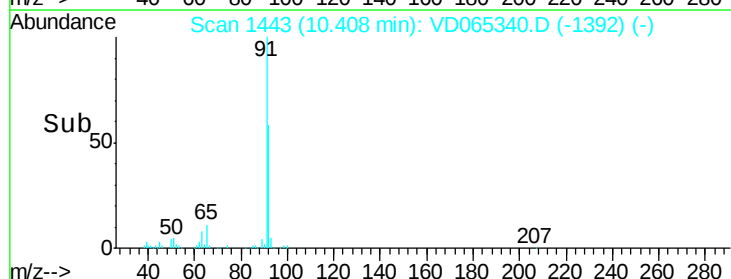
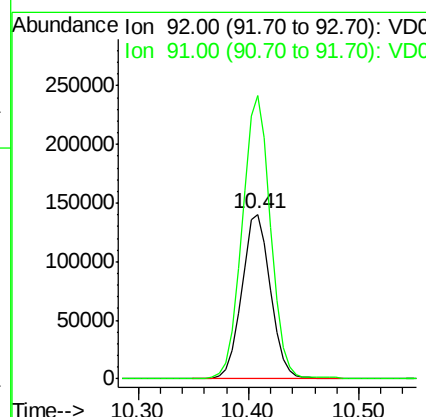
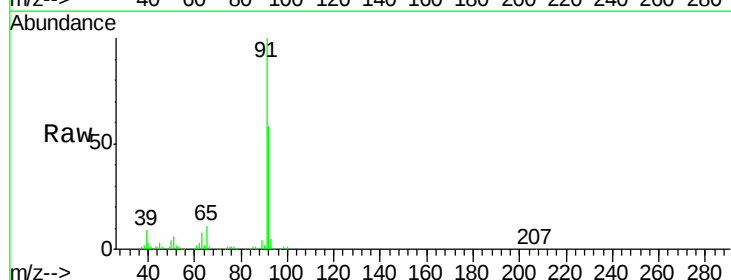
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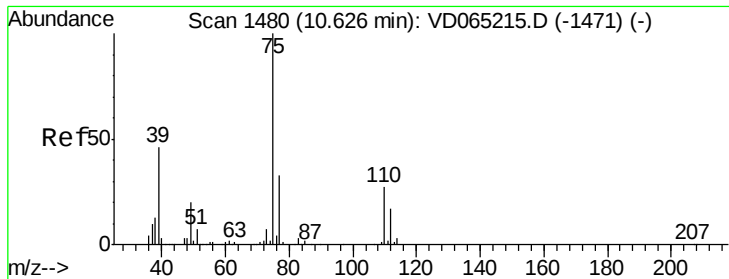
MMDadoda
2/28/2020 9:59:08 AM



#52
Toluene
Concen: 21.637 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	92	Resp	256185
Ion Ratio	100	Lower	Upper
92	100		
91	170.5	136.3	204.5





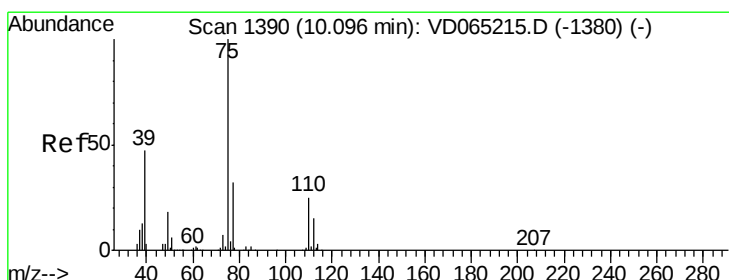
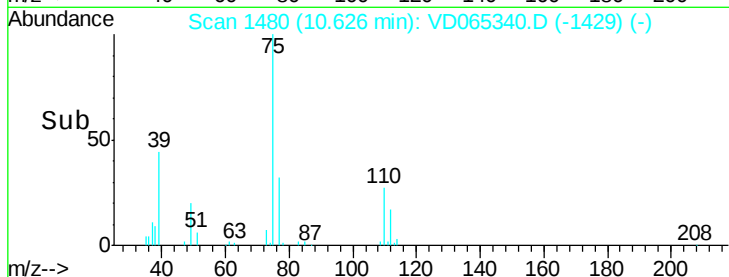
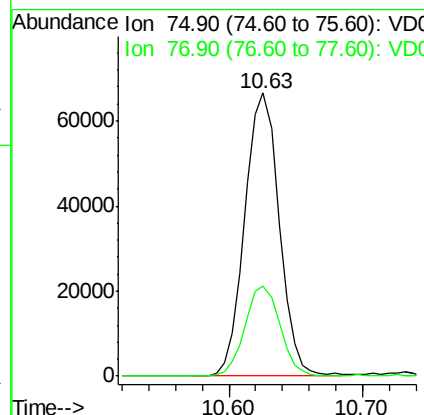
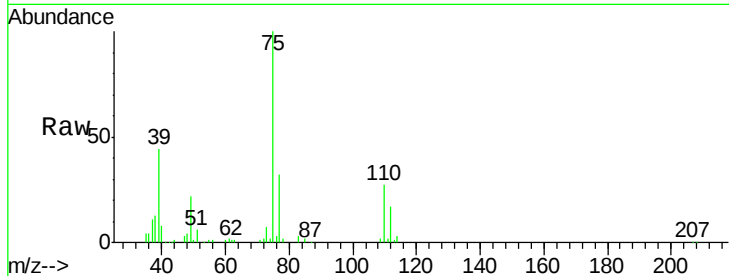
#53
t-1,3-Dichloropropene
Concen: 19.893 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.6	40.0

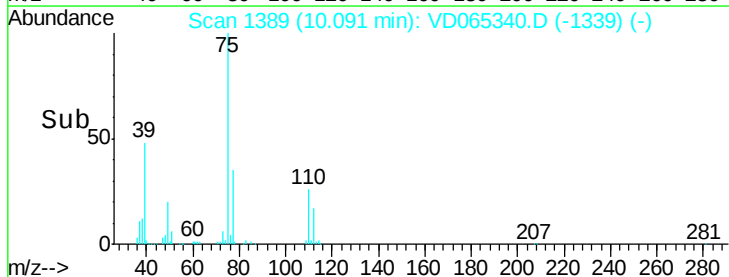
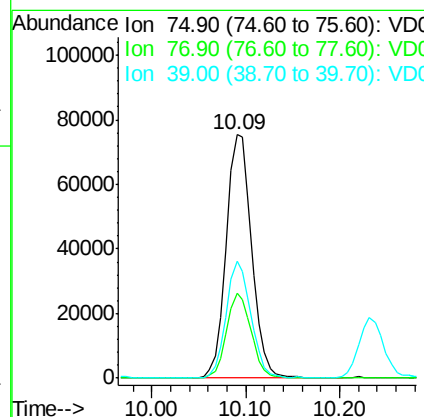
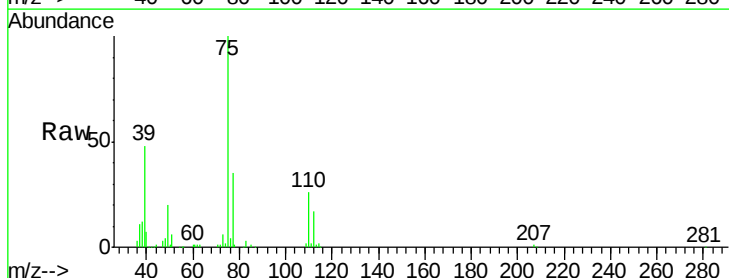
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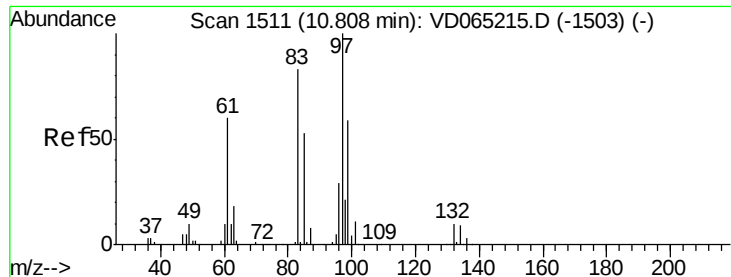
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#54
cis-1,3-Dichloropropene
Concen: 19.780 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
75	100		
77	35.0	25.8	38.8
39	48.1	37.3	55.9





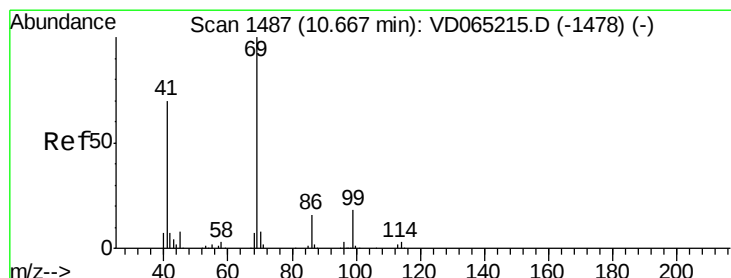
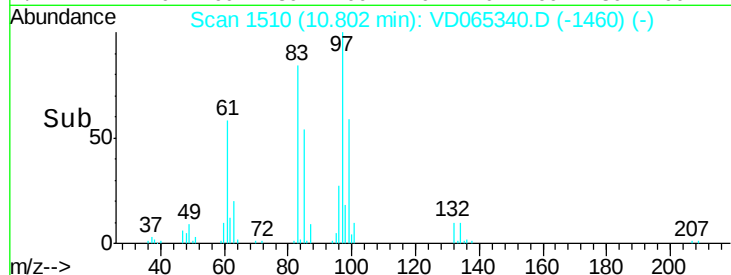
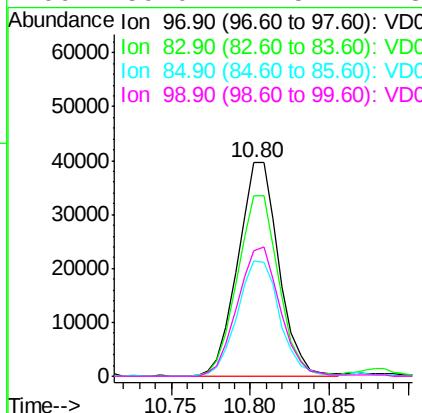
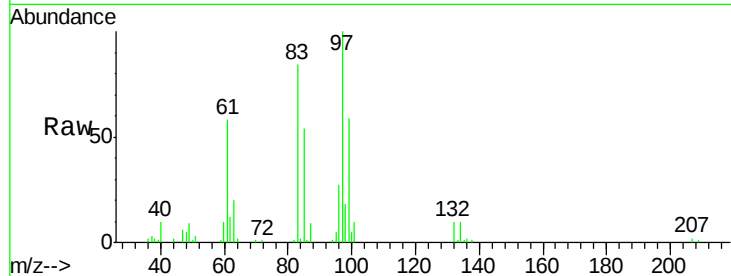
#55
 1,1,2-Trichloroethane
 Concen: 20.670 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion:	97	Resp:	71200
Ion	Ratio	Lower	Upper
97	100		
83	84.5	66.7	100.1
85	54.0	42.4	63.6
99	59.0	47.5	71.3

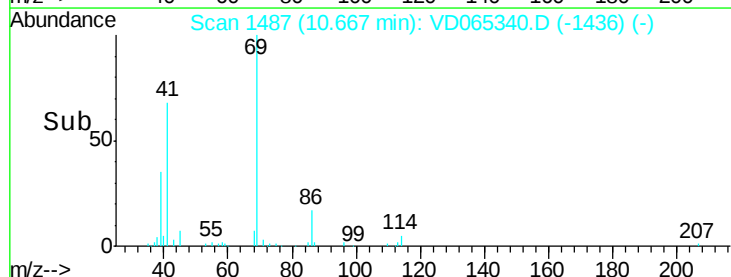
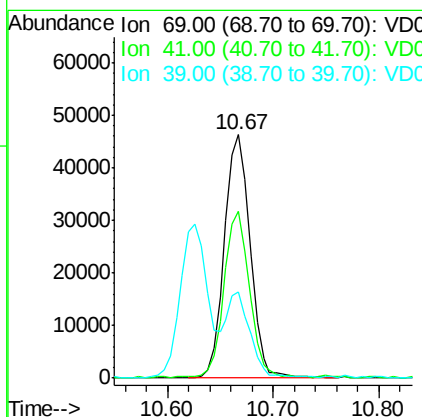
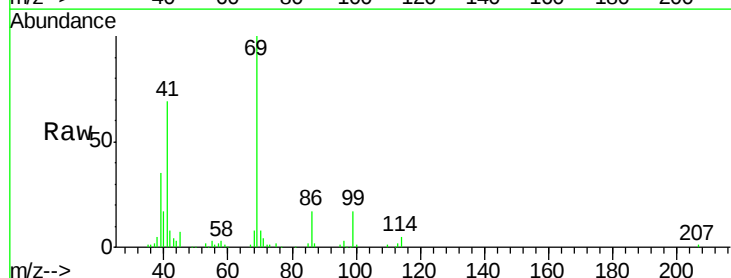
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#56
 Ethyl methacrylate
 Concen: 19.742 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion:	69	Resp:	78490
Ion	Ratio	Lower	Upper
69	100		
41	66.6	54.6	81.8
39	30.8	26.5	39.7





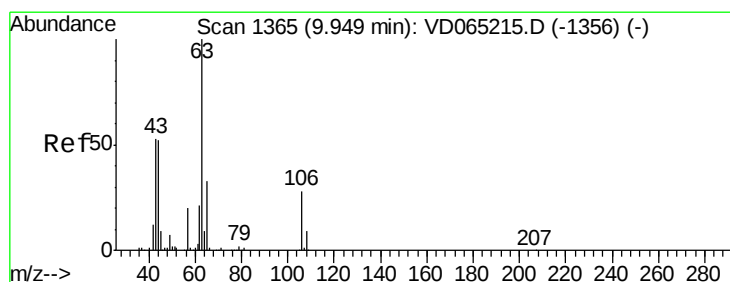
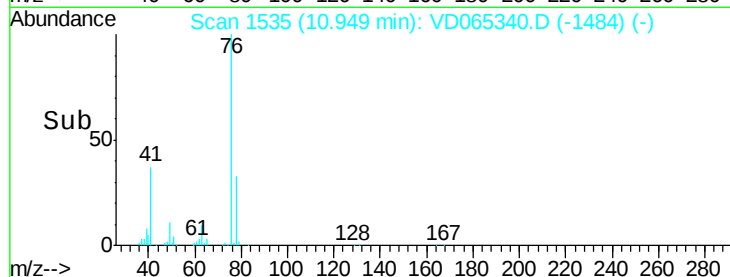
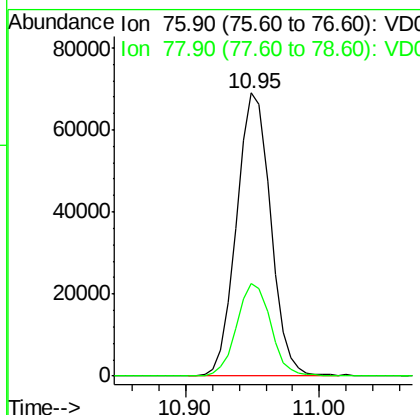
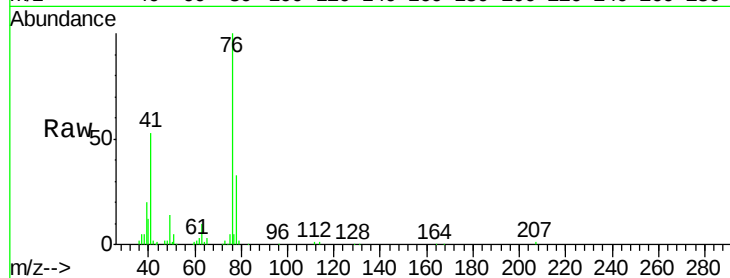
#57
 1,3-Dichloropropane
 Concen: 20.908 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.5	26.3	39.5

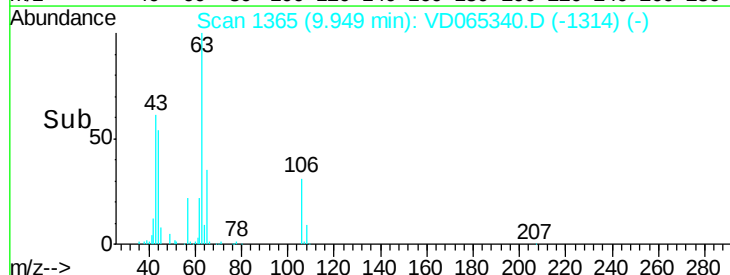
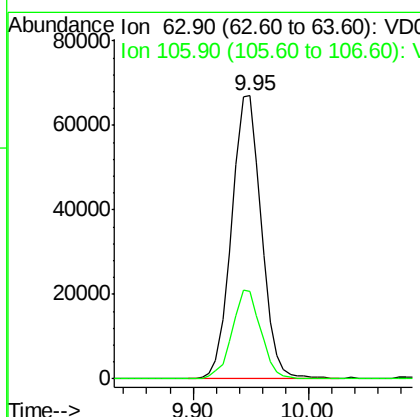
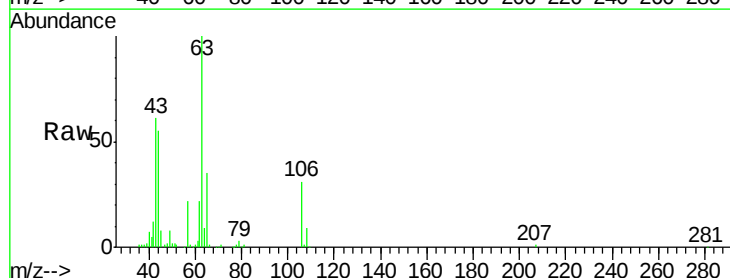
Manual Integrations
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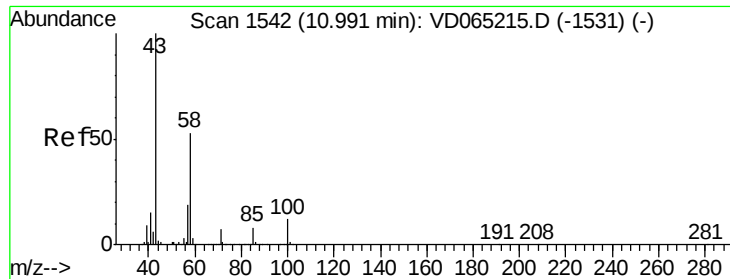
MMDadoda
 2/28/2020 9:59:08 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 95.816 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
63	100		
106	30.2	22.8	34.2





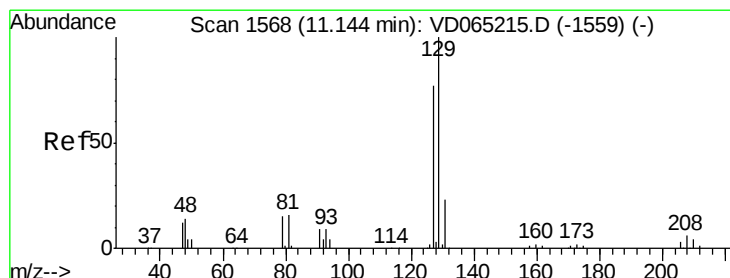
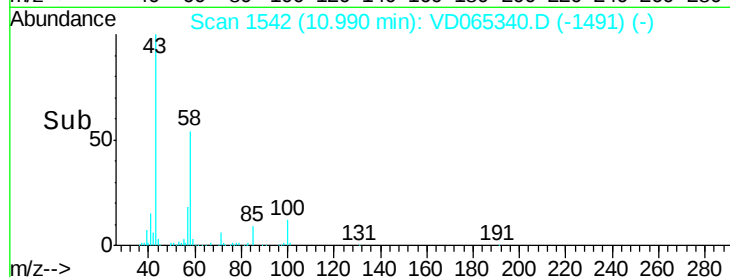
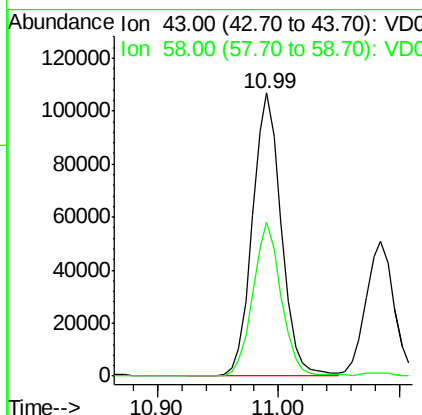
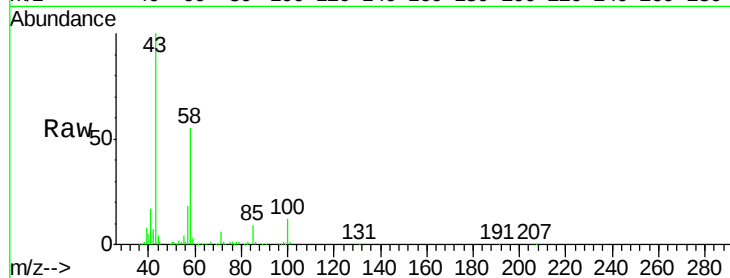
#59
2-Hexanone
Concen: 95.053 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion: 43 Resp: 178046
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8

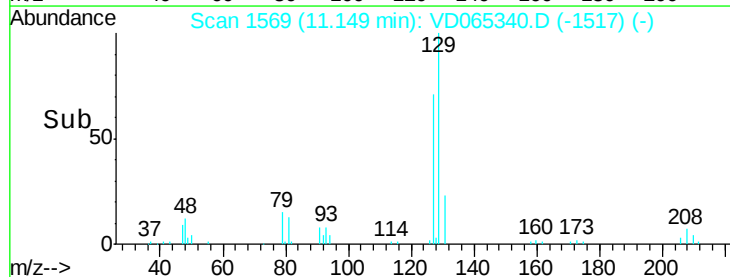
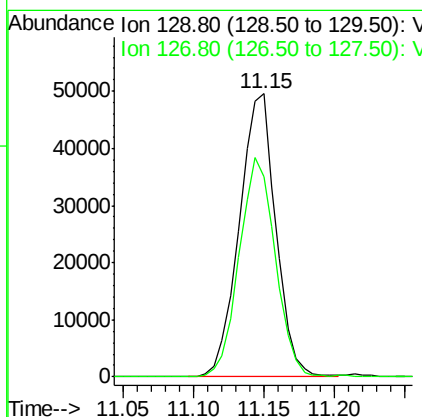
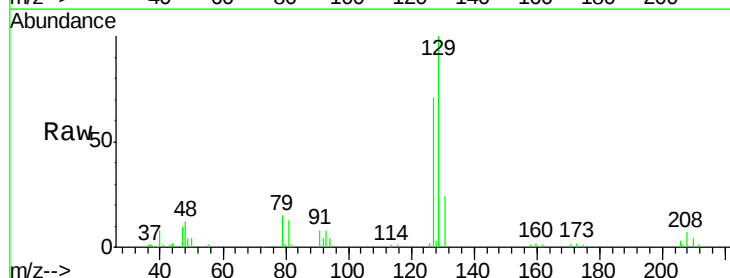
Manual Integrations
APPROVED

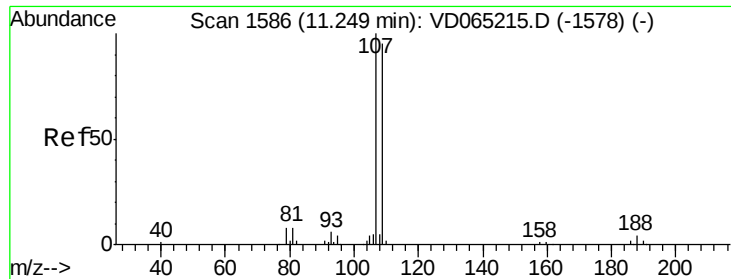
MMDadoda
2/28/2020 9:59:08 AM



#60
Dibromochloromethane
Concen: 20.388 ug/l
RT: 11.15 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion: 129 Resp: 89884
Ion Ratio Lower Upper
129 100
127 76.4 38.7 116.1





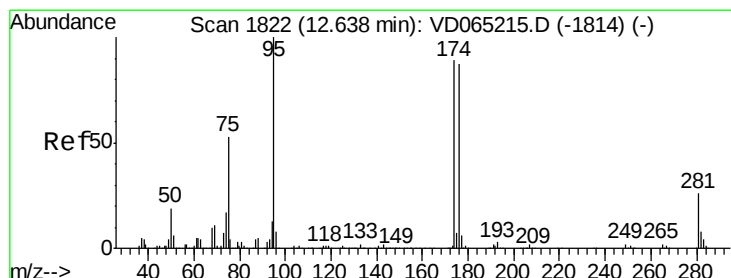
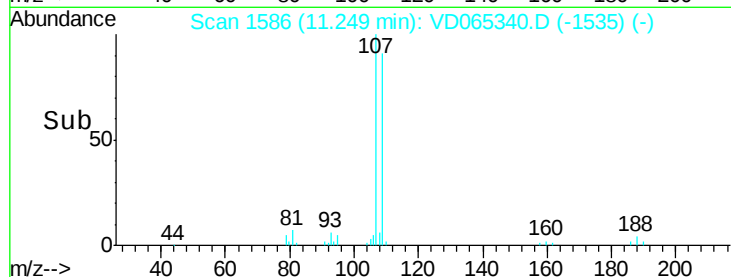
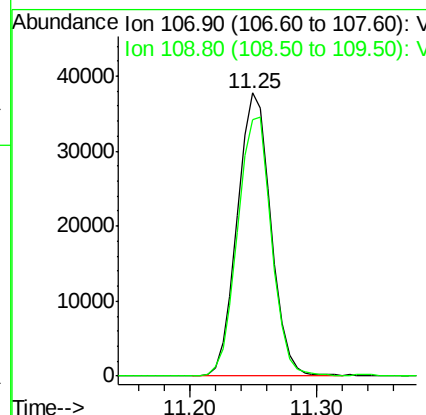
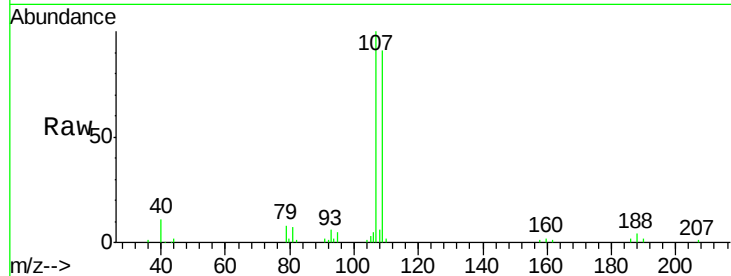
#61
 1,2-Dibromoethane
 Concen: 21.172 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	76.2	114.4

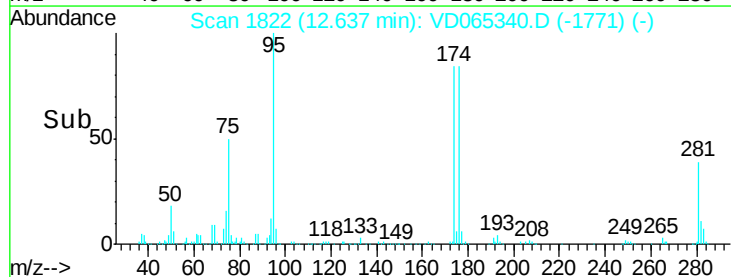
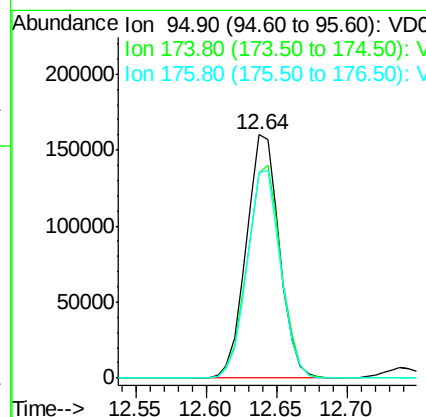
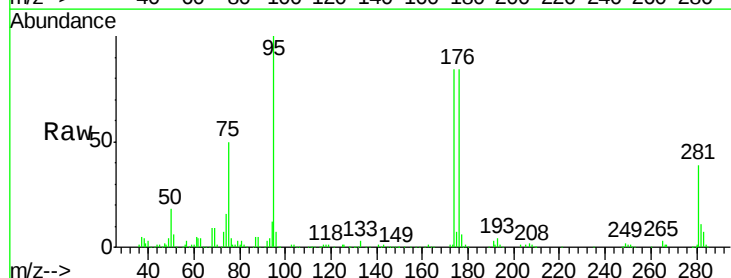
Manual Integrations
 APPROVED

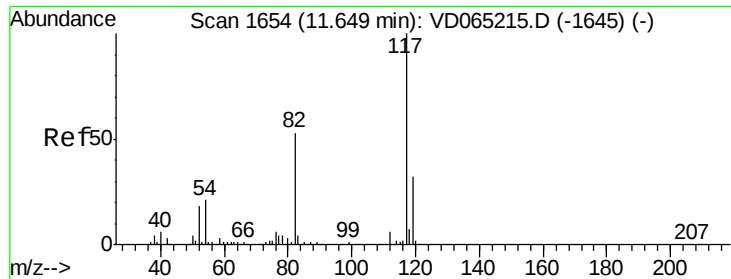
MMDadoda
 2/28/2020 9:59:08 AM



#62
 4-Bromofluorobenzene
 Concen: 51.214 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	178.0
176	86.2	0.0	174.4





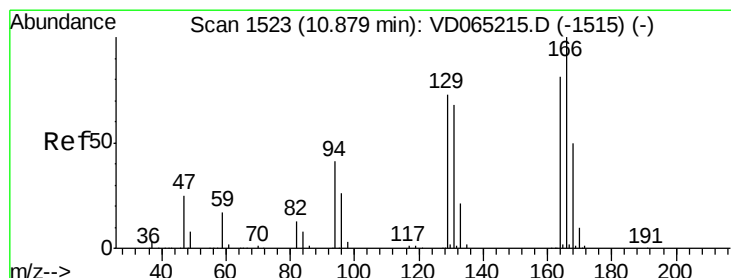
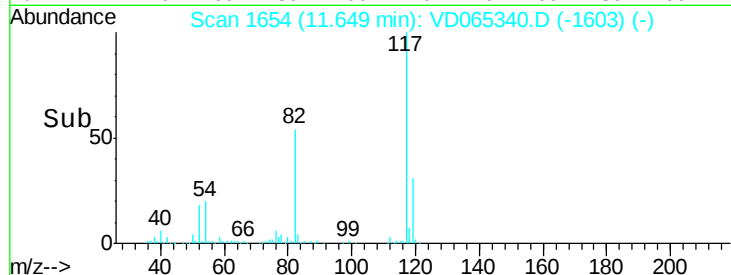
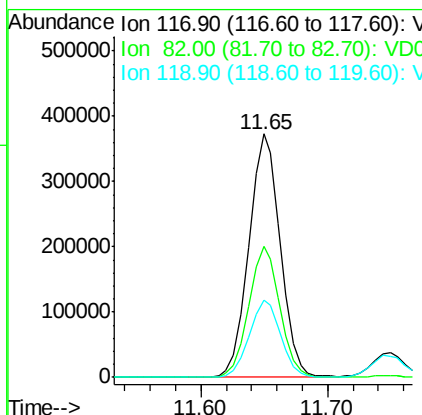
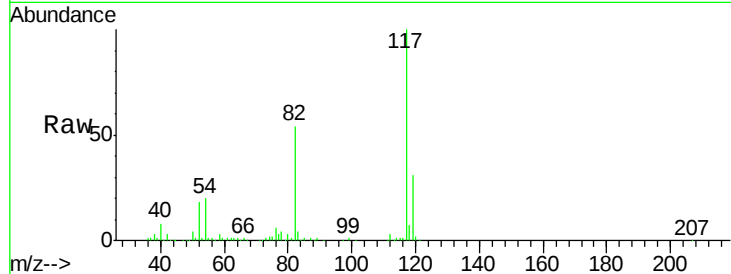
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.7	64.1
119	31.5	25.5	38.3

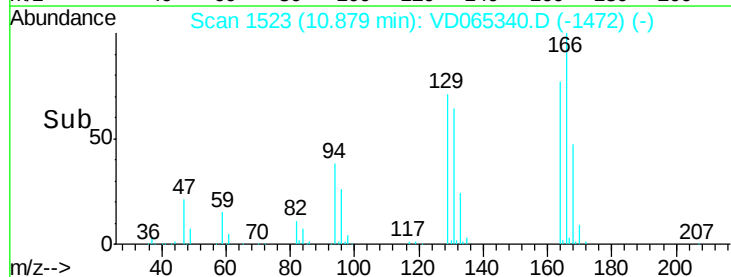
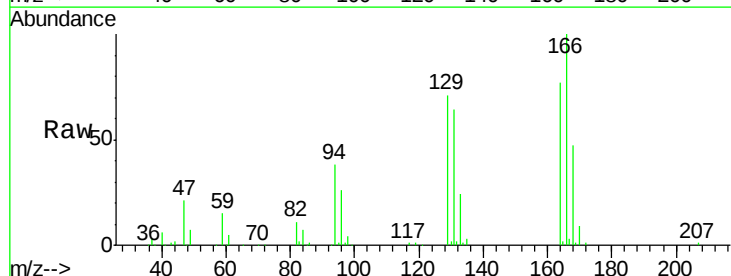
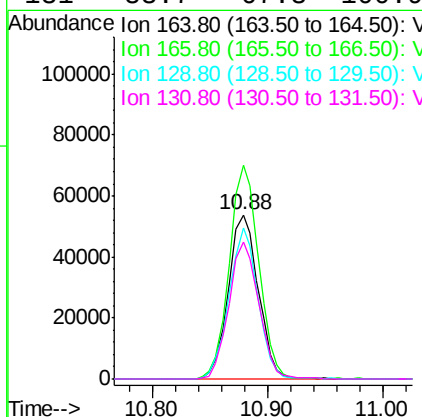
Manual Integrations
APPROVED

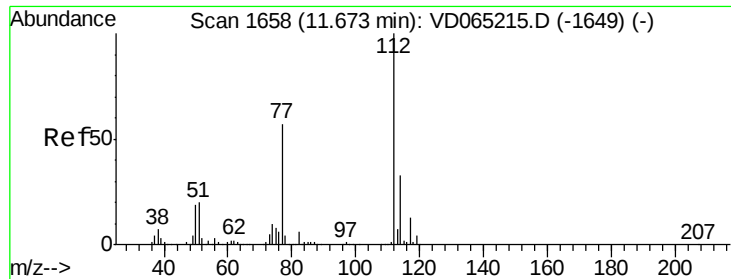
MMDadoda
2/28/2020 9:59:08 AM



#64
Tetrachloroethene
Concen: 21.307 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.0	98.4	147.6
129	92.2	71.6	107.4
131	83.7	67.3	100.9





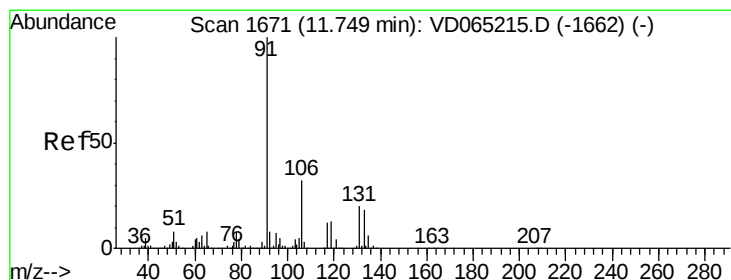
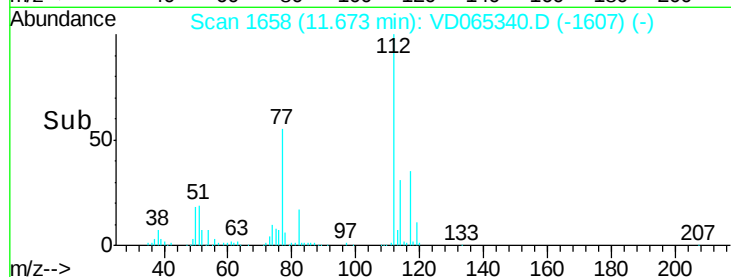
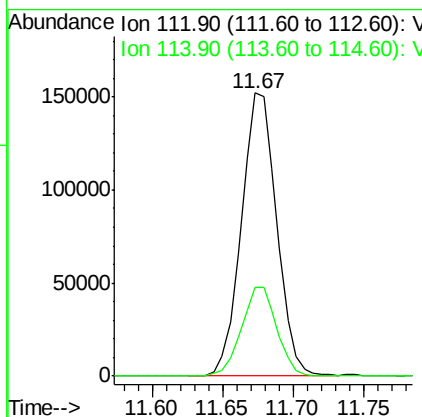
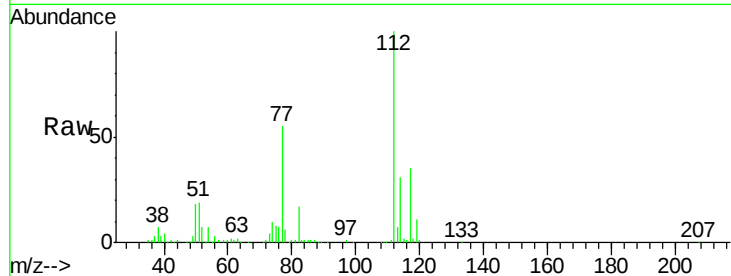
#65
Chlorobenzene
Concen: 20.710 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.4	26.4	39.6

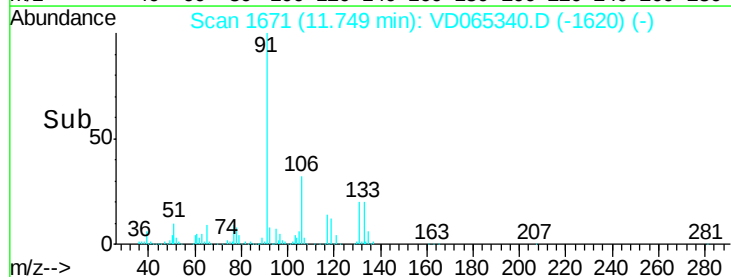
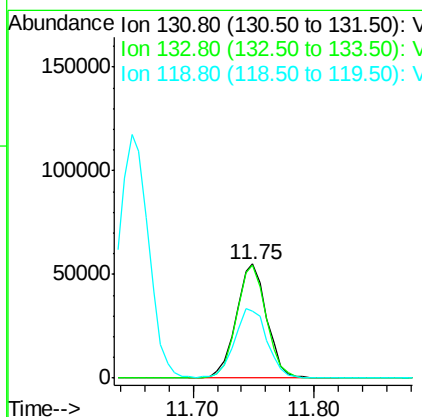
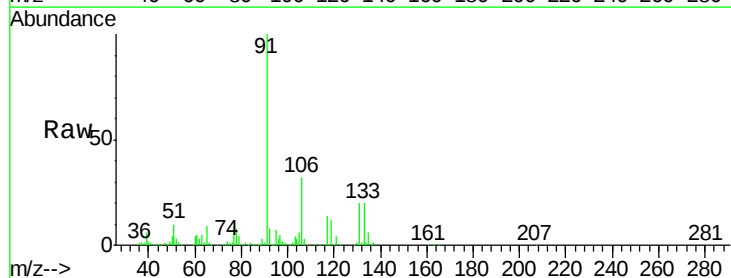
Manual Integrations
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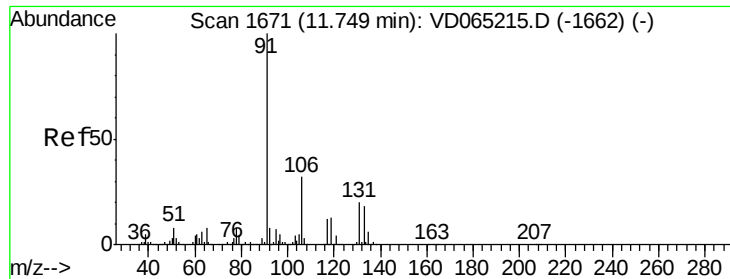
MMDadoda
2/28/2020 9:59:08 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 20.214 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
131	100		
133	96.7	47.7	143.1
119	65.3	32.7	98.1





#67

Ethyl Benzene

Concen: 20.004 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 91 Resp: 450683

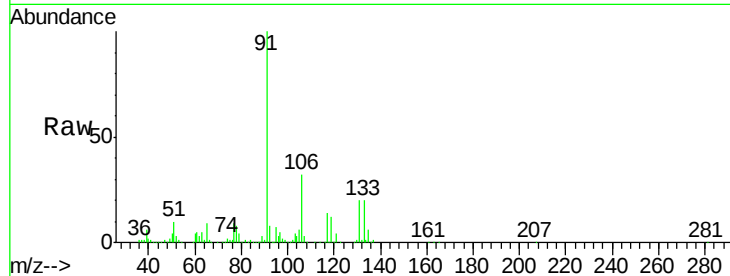
Ion Ratio Lower Upper

91 100

106 32.2 25.2 37.8

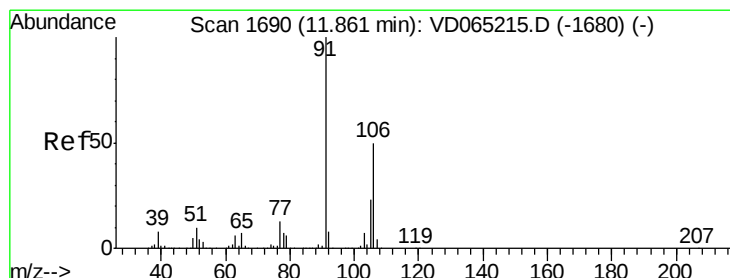
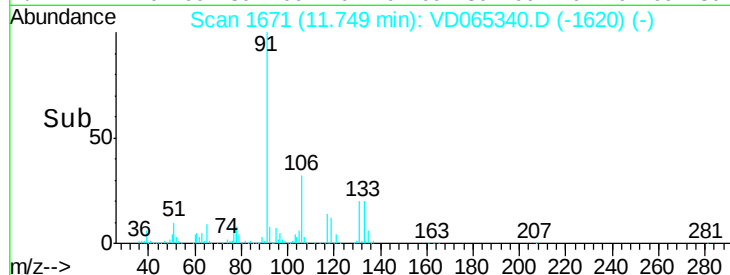
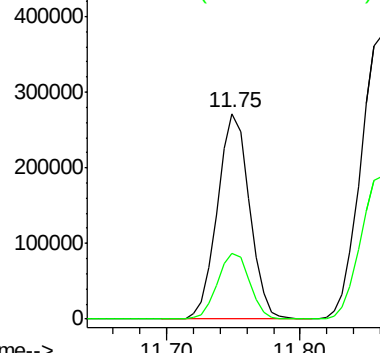
Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:08 AM



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.949 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065340.D

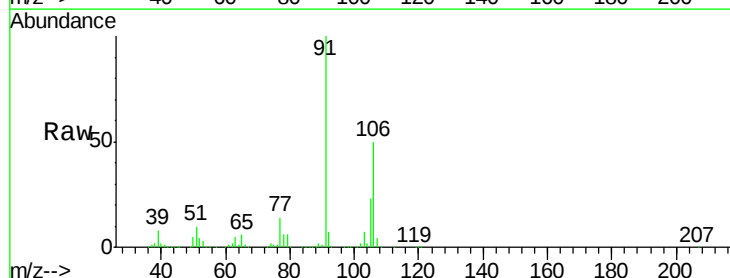
Acq: 27 Feb 2020 11:23

Tgt Ion: 106 Resp: 361593

Ion Ratio Lower Upper

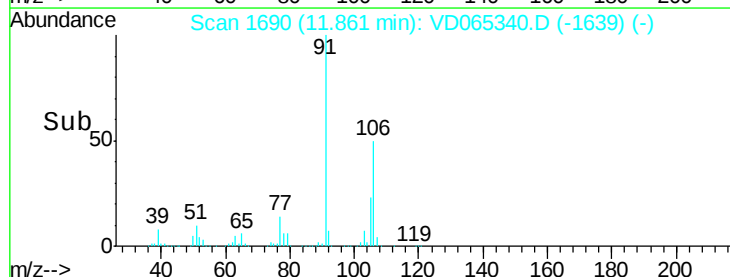
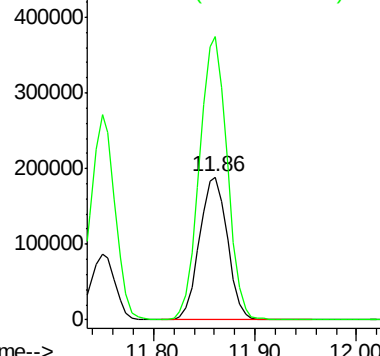
106 100

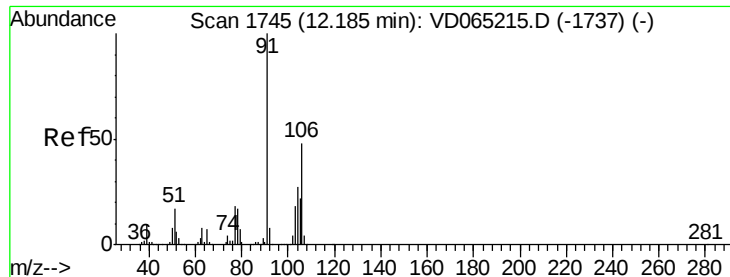
91 196.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V





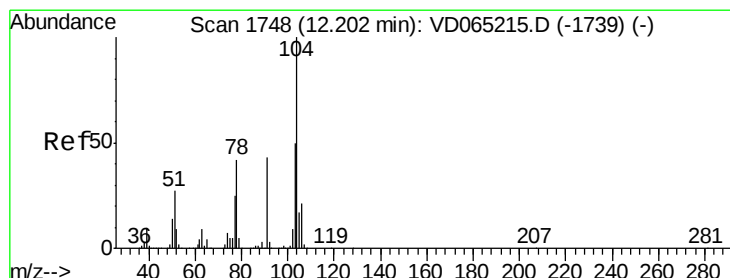
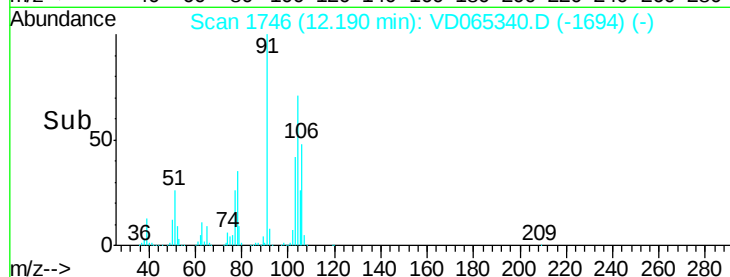
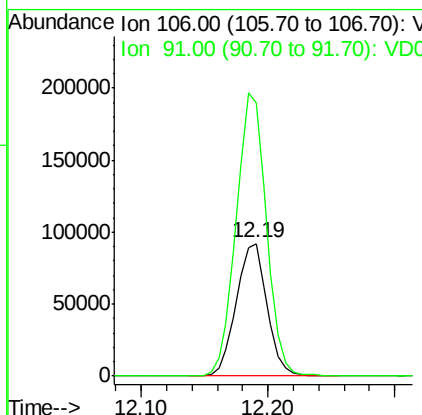
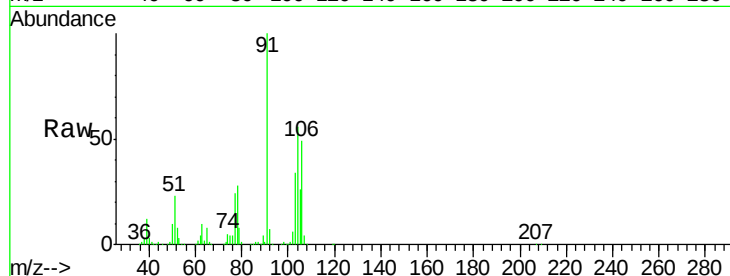
#69
o-Xylene
Concen: 20.264 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		154751		
91	209.9	104.7	313.9		

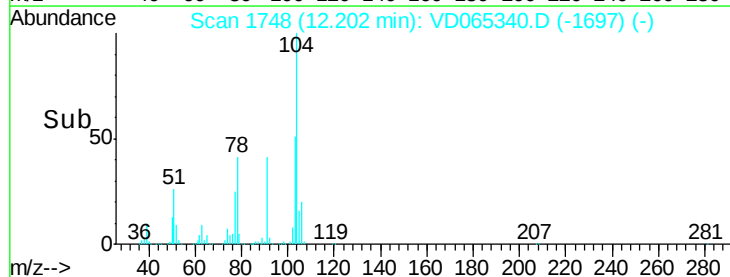
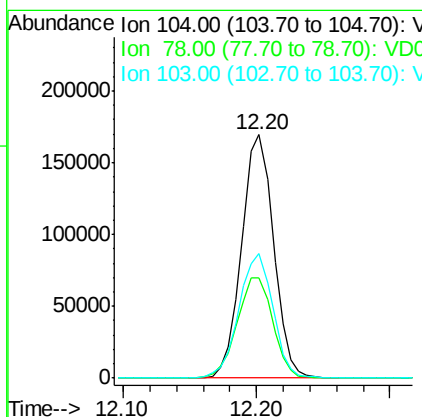
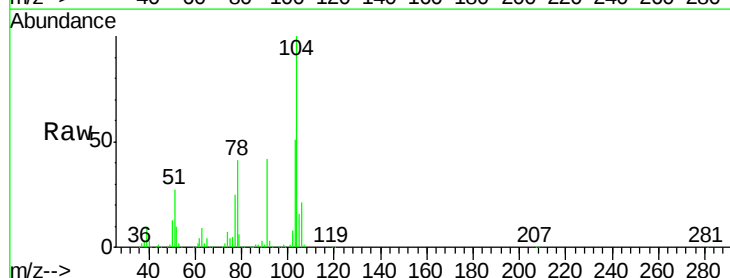
Manual Integrations
APPROVED

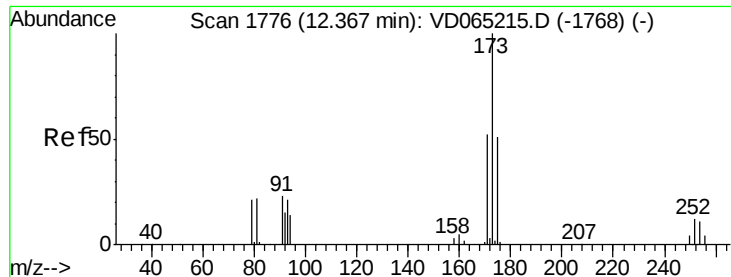
MMDadoda
2/28/2020 9:59:08 AM



#70
Styrene
Concen: 20.786 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		281831		
78	46.1	37.8	56.6		
103	54.5	43.4	65.2		





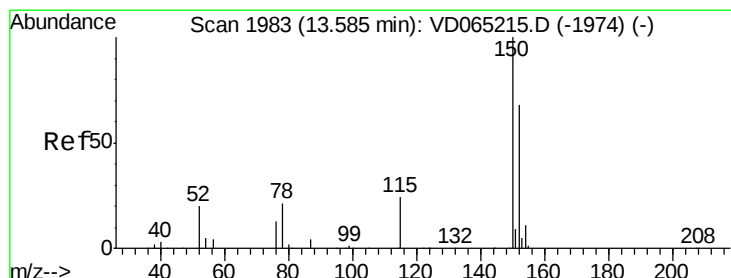
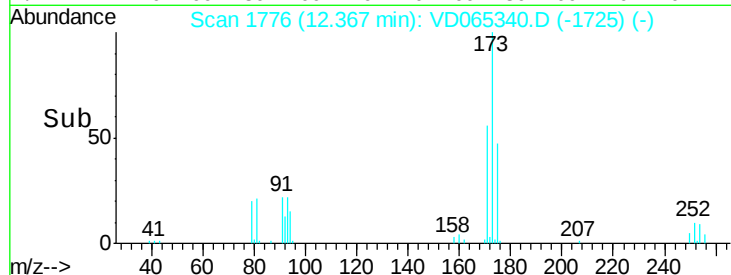
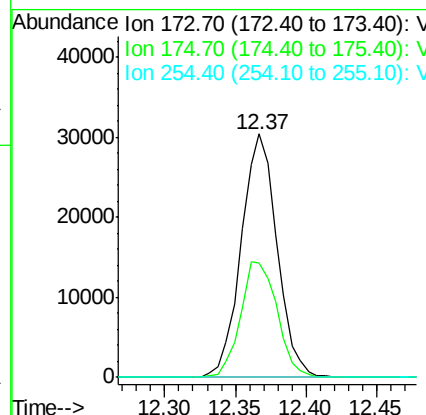
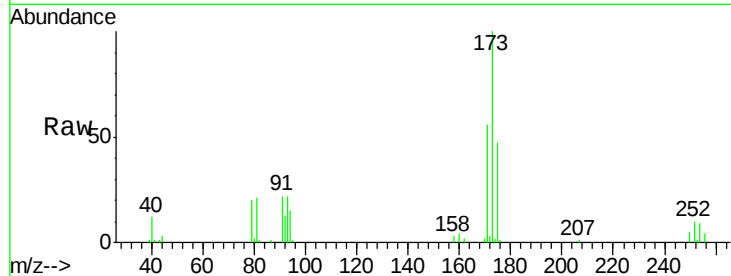
#71
Bromoform
Concen: 20.229 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.4	73.4
254	0.0	0.0	0.0

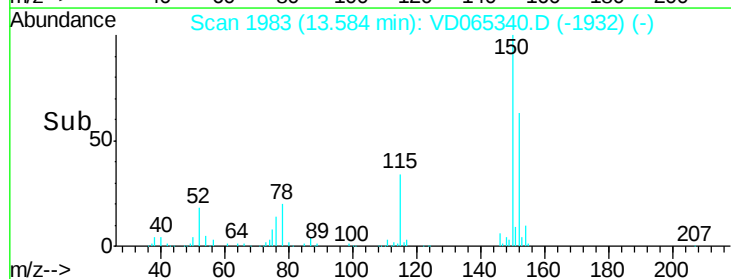
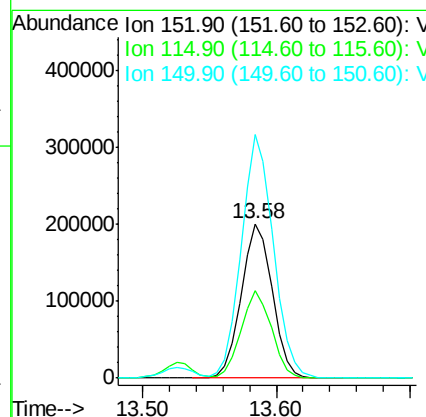
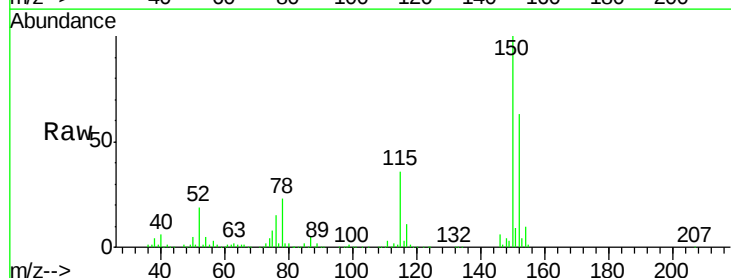
Manual Integrations
APPROVED

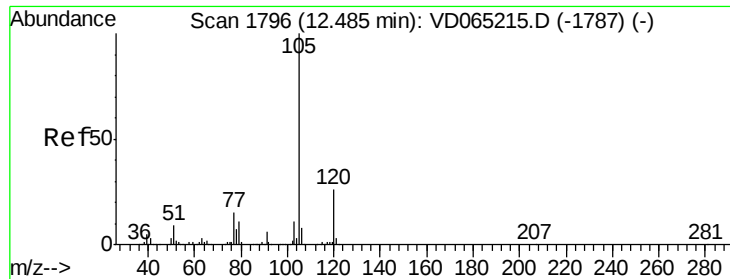
MMDadoda
2/28/2020 9:59:08 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	27.6	82.8
150	163.0	0.0	347.4





#73

Isopropylbenzene

Concen: 20.319 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion:105 Resp: 431954

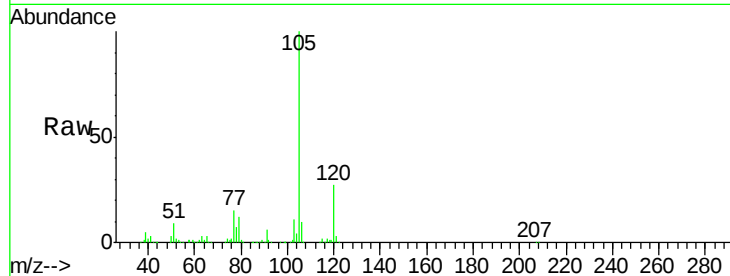
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9

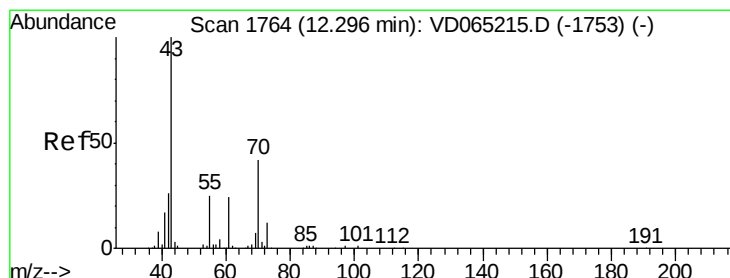
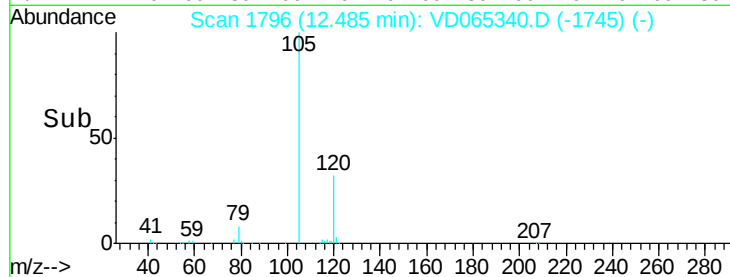
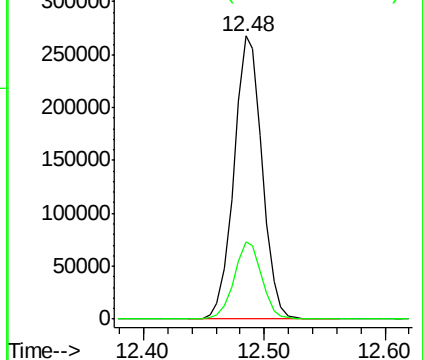
Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:08 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 18.192 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion: 43 Resp: 85937

Ion Ratio Lower Upper

43 100

70 44.7 33.7 50.5

55 28.0 20.7 31.1

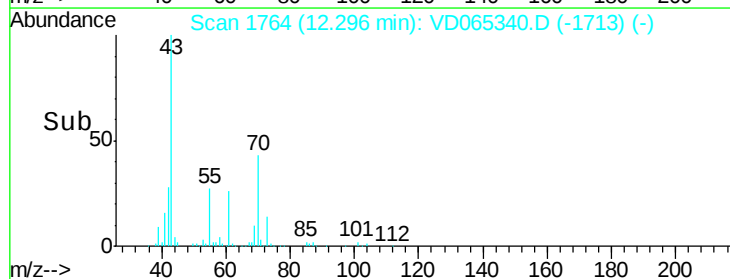
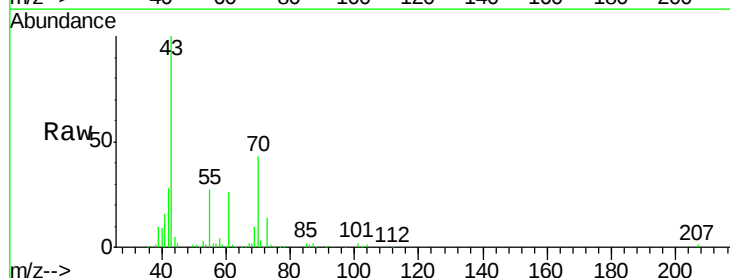
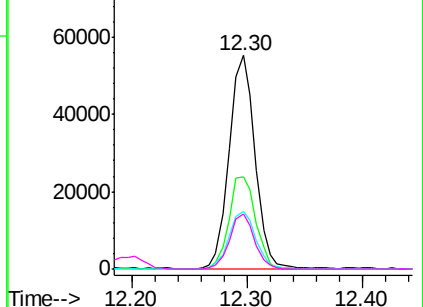
61 24.5 19.0 28.4

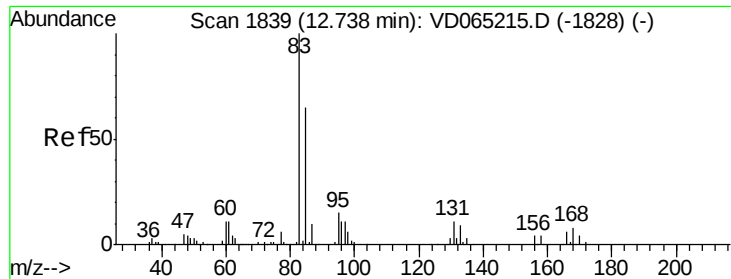
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 19.777 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

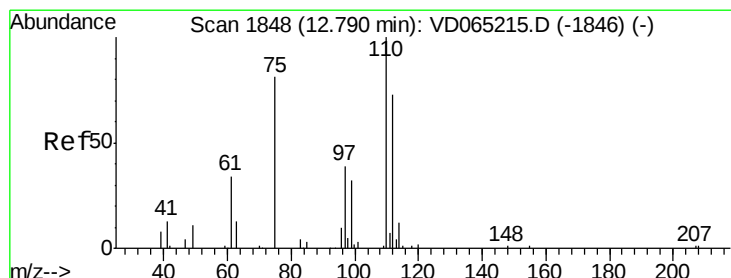
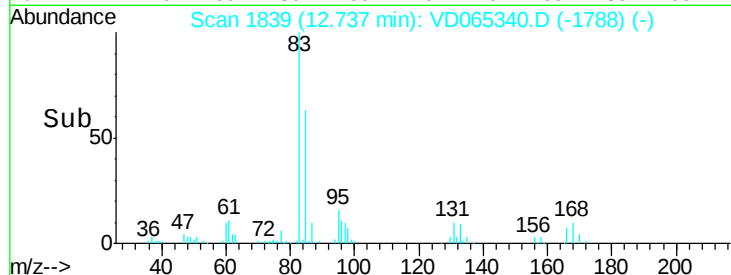
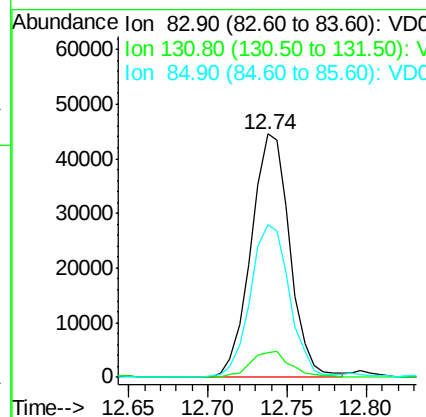
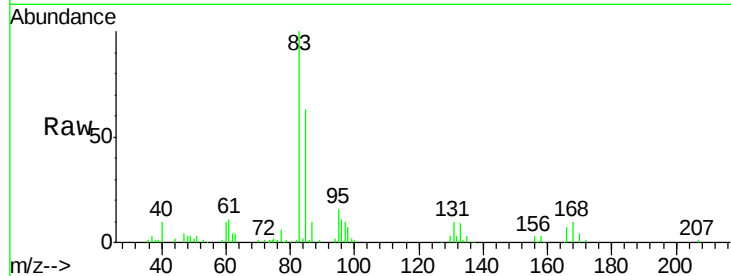
ClientSampleId :

VD0227SBS01

Tot Ion:	83	Resp:	75880
Ion	Ratio	Lower	Upper
83	100		
131	10.9	5.4	16.2
85	63.2	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 18.598 ug/l m

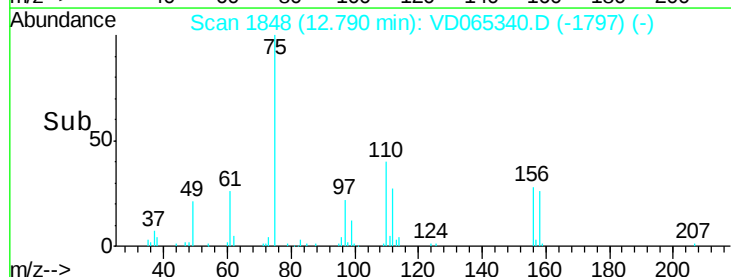
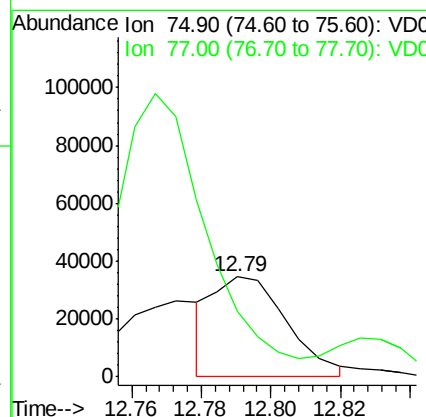
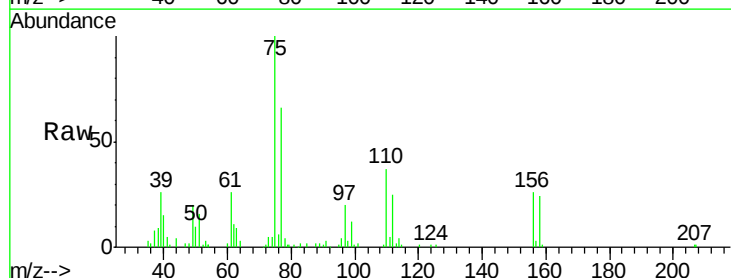
RT: 12.79 min Scan# 1848

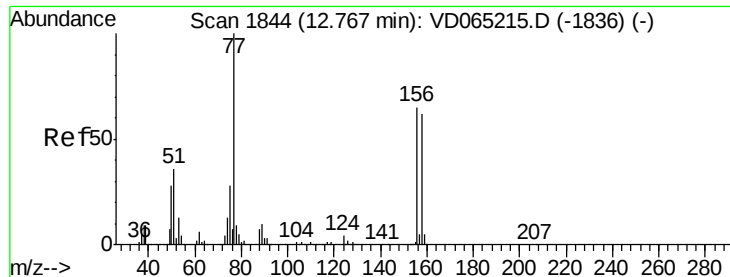
Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion:	75	Resp:	50811
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.221 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion:156 Resp: 106748

Ion Ratio Lower Upper

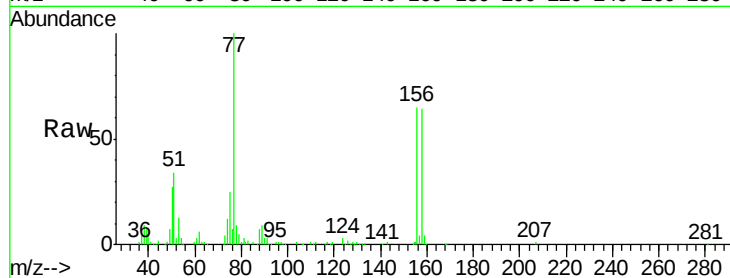
156 100

77 171.3 86.6 259.7

158 97.5 48.1 144.3

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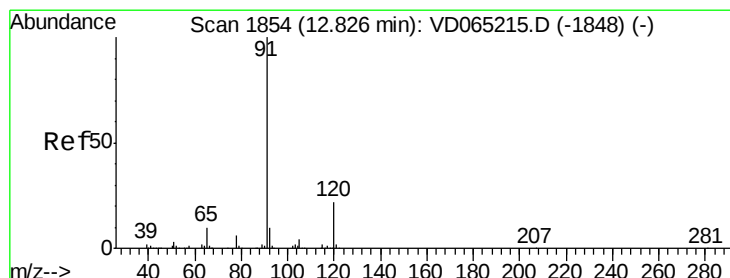
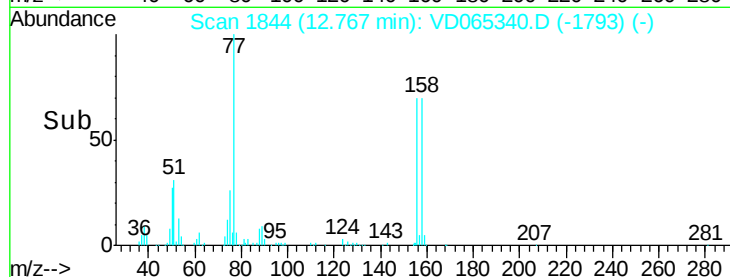
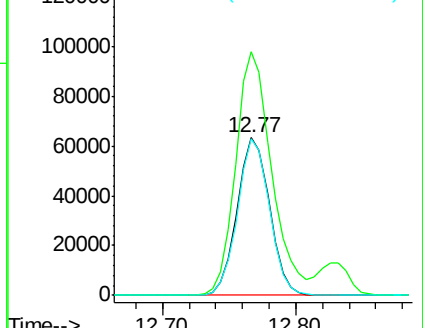
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.751 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065340.D

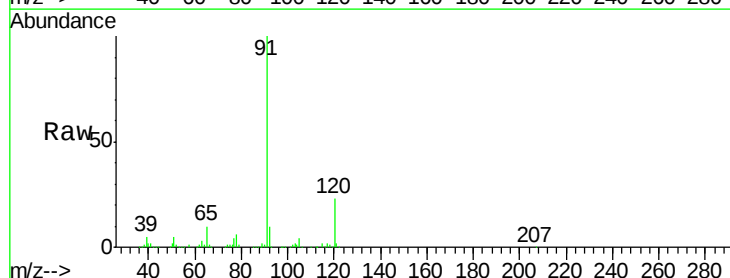
Acq: 27 Feb 2020 11:23

Tgt Ion: 91 Resp: 530126

Ion Ratio Lower Upper

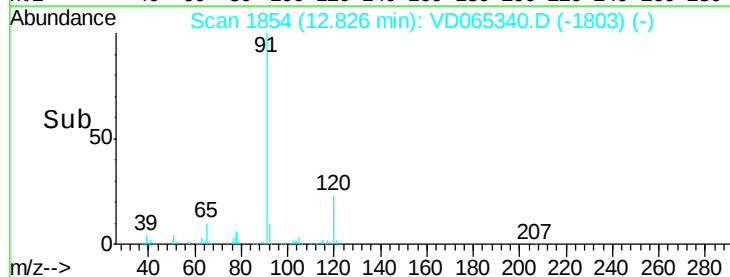
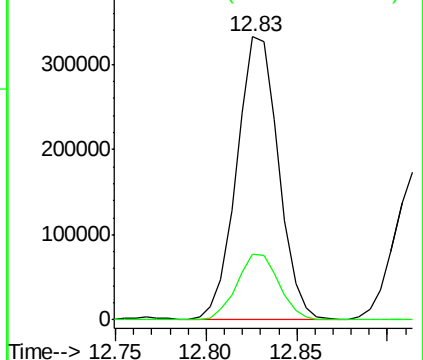
91 100

120 23.5 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: 20.113 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

ClientSampleId :

VD0227SBS01

Tot Ion: 91 Resp: 287852

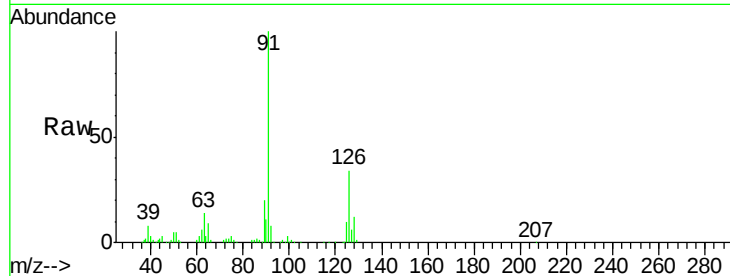
Ion Ratio Lower Upper

91 100

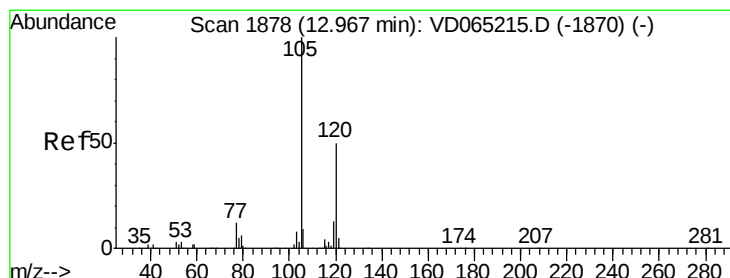
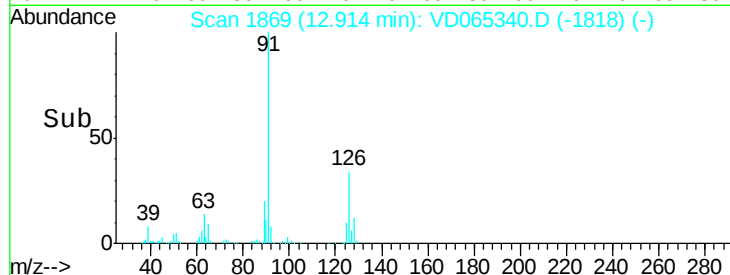
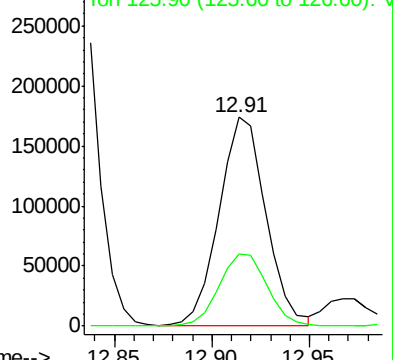
126 35.7 17.5 52.6

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



#80

1,3,5-Trimethylbenzene

Concen: 20.616 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065340.D

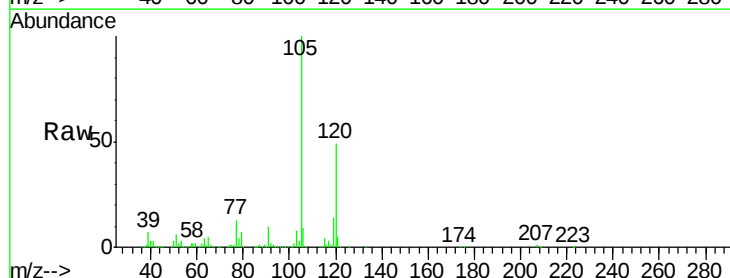
Acq: 27 Feb 2020 11:23

Tgt Ion: 105 Resp: 360971

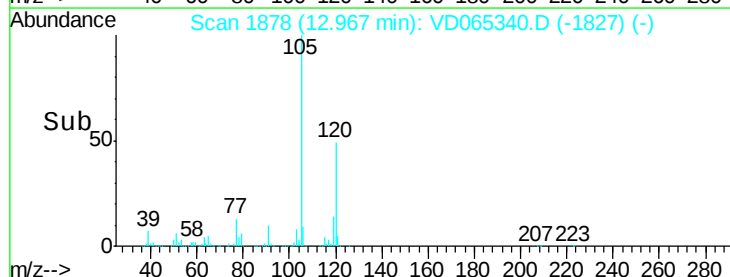
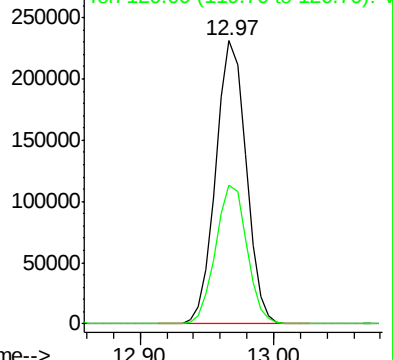
Ion Ratio Lower Upper

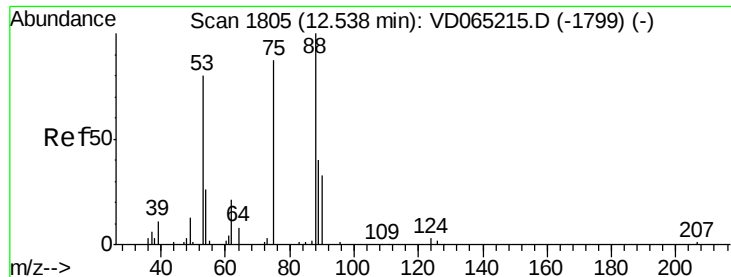
105 100

120 50.8 25.4 76.4



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





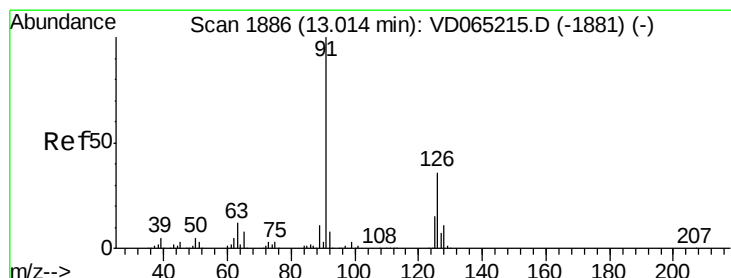
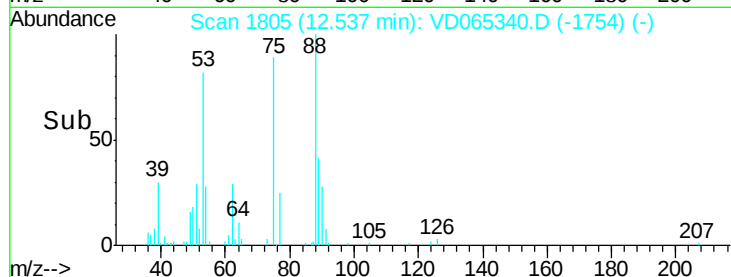
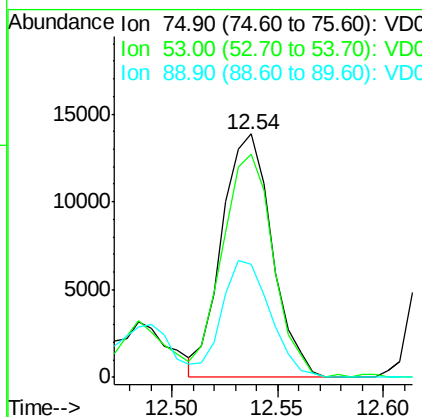
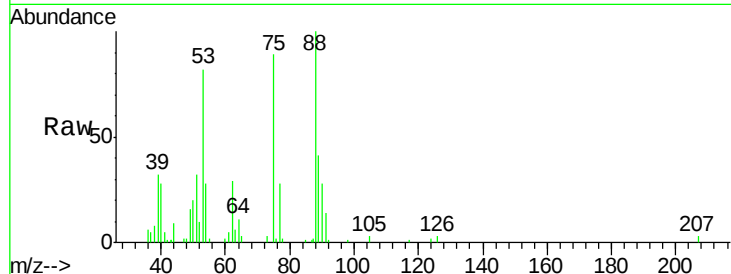
#81
trans-1,4-Dichloro-2-butene
Concen: 18.049 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	77.6	116.4
89	46.8	37.2	55.8

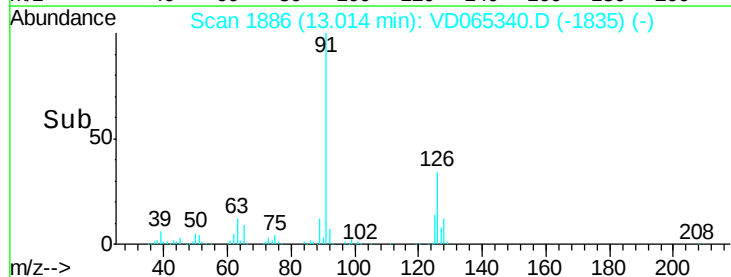
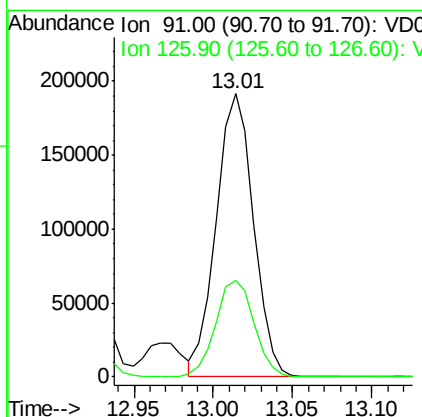
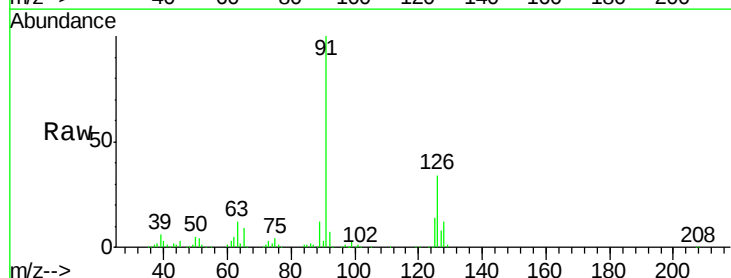
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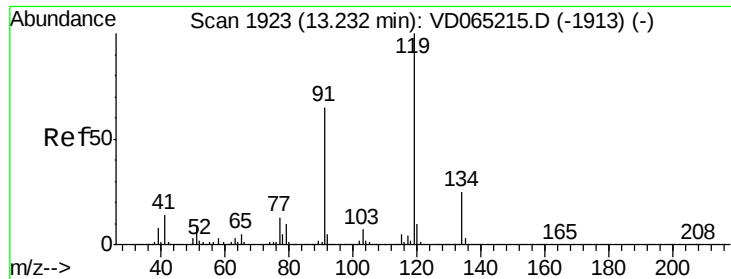
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#82
4-Chlorotoluene
Concen: 20.512 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.2	17.4	52.3





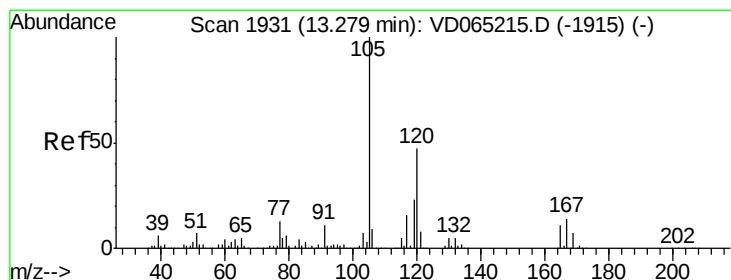
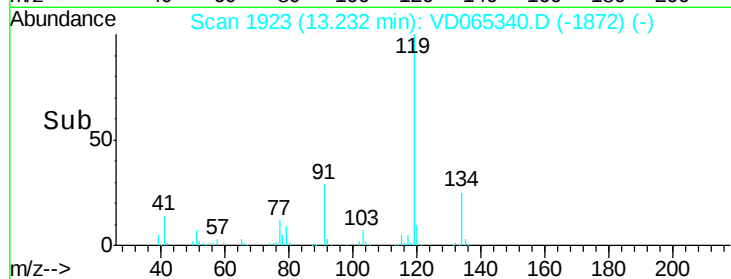
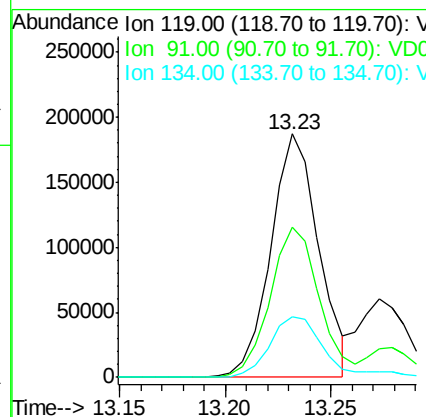
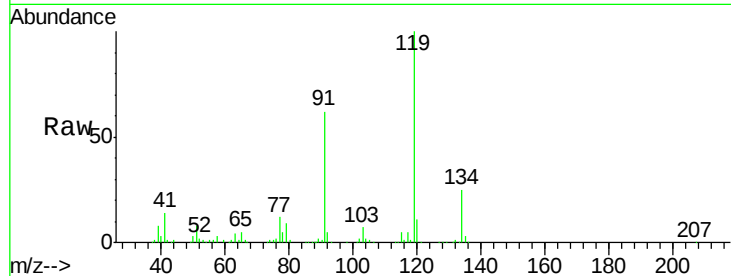
#83
 tert-Butylbenzene
 Concen: 20.058 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	294360		
91	63.9		31.9	95.5
134	28.8		13.8	41.3

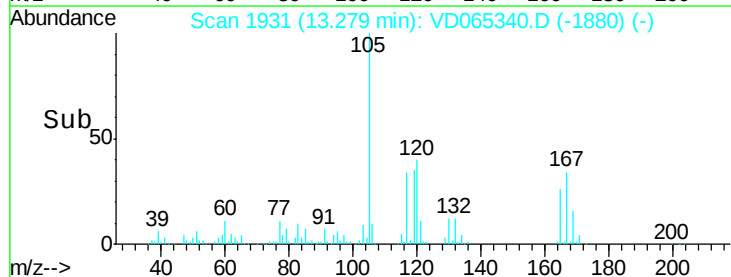
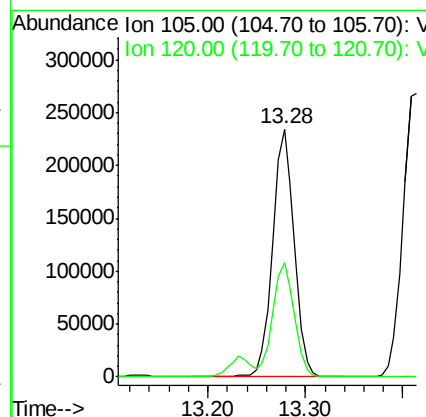
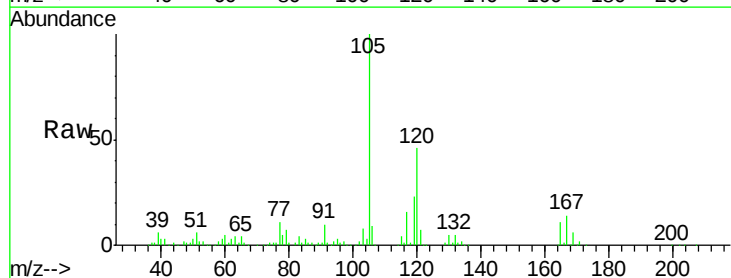
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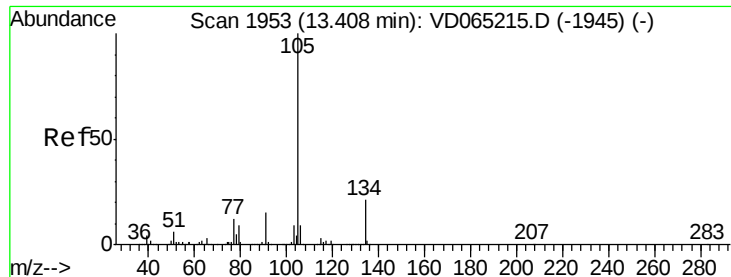
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.688 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	362562		
120	46.3		23.3	69.9





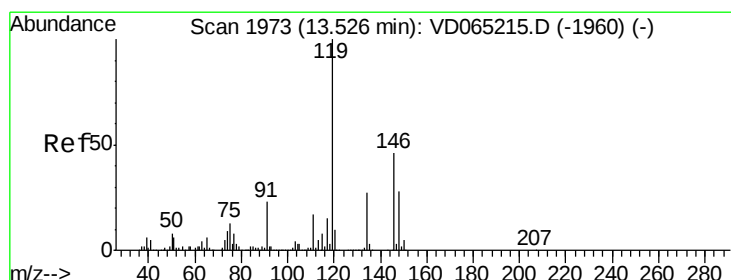
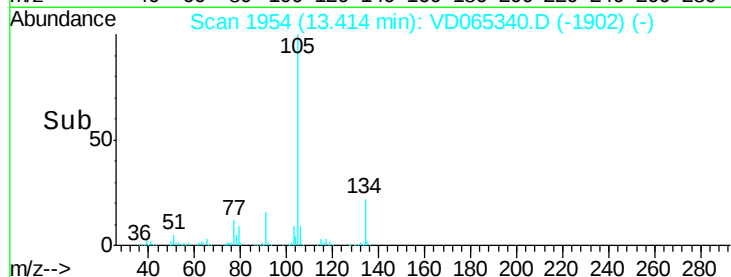
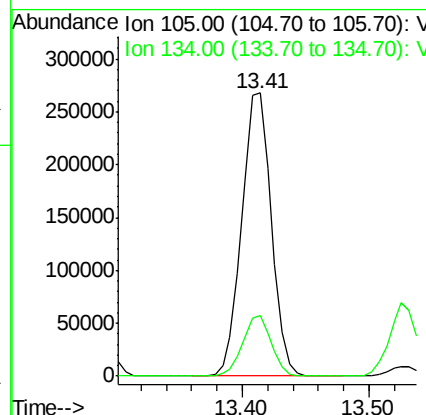
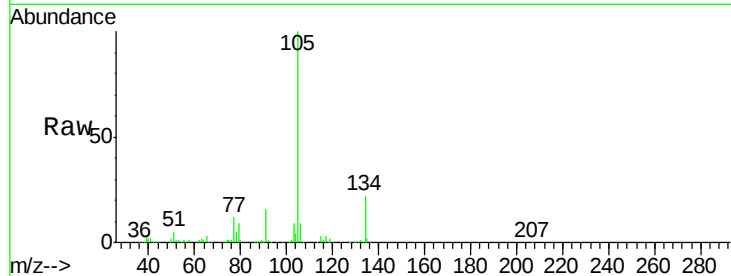
#85
 sec-Butylbenzene
 Concen: 20.450 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

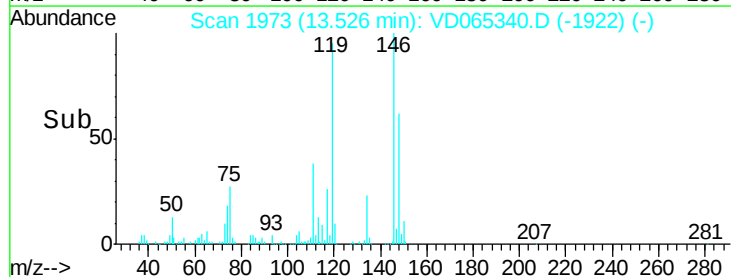
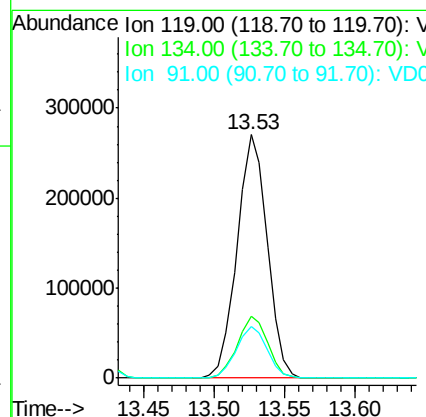
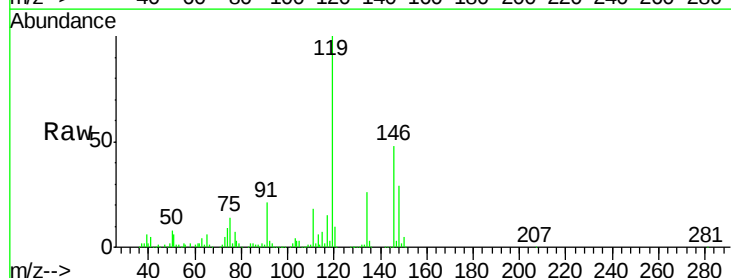
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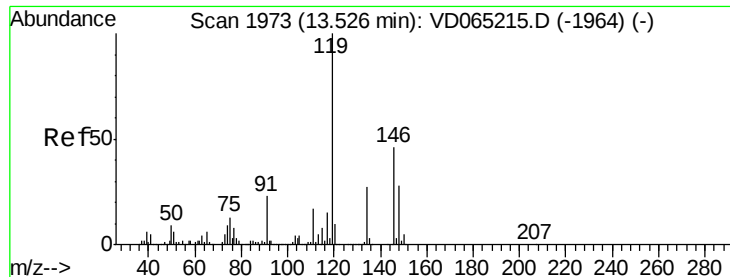
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#86
 p-Isopropyltoluene
 Concen: 20.854 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.7	13.3	39.8
91	21.6	11.1	33.1





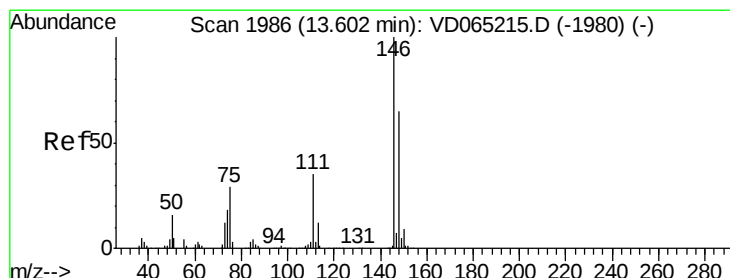
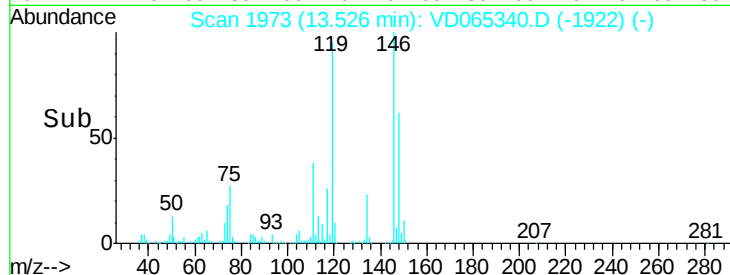
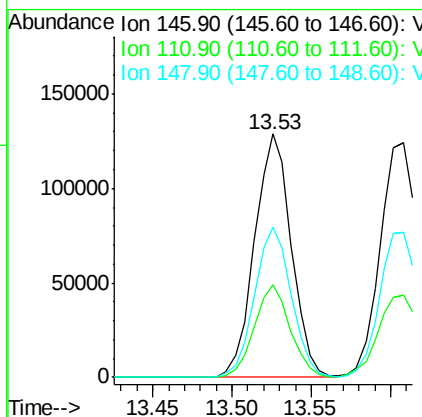
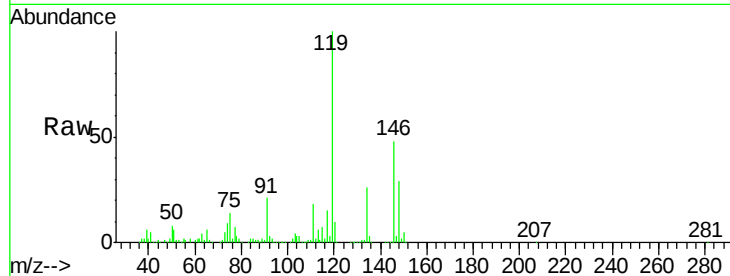
#87
 1,3-Dichlorobenzene
 Concen: 20.285 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.2	18.6	55.8
148	62.0	31.4	94.3

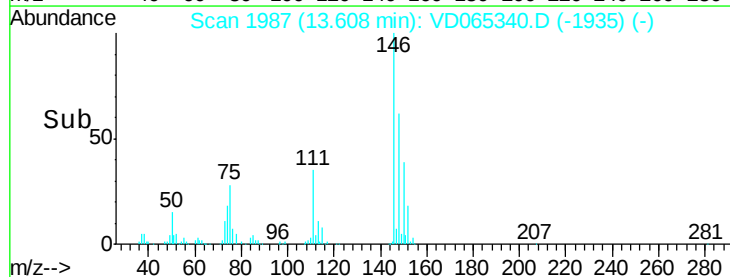
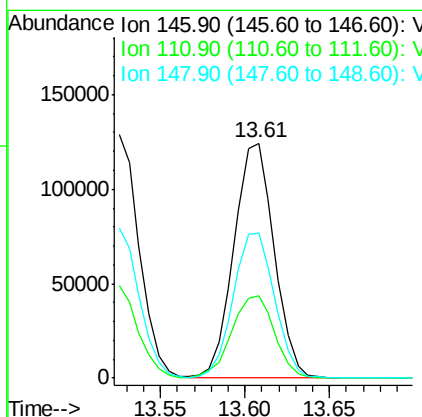
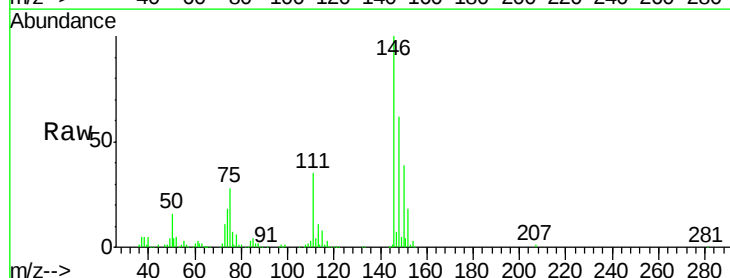
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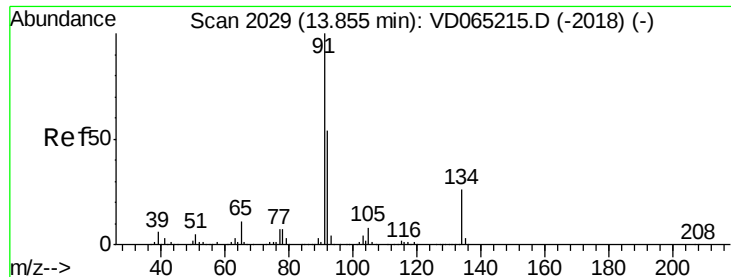
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#88
 1,4-Dichlorobenzene
 Concen: 20.491 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.3	18.4	55.2
148	63.5	32.1	96.5





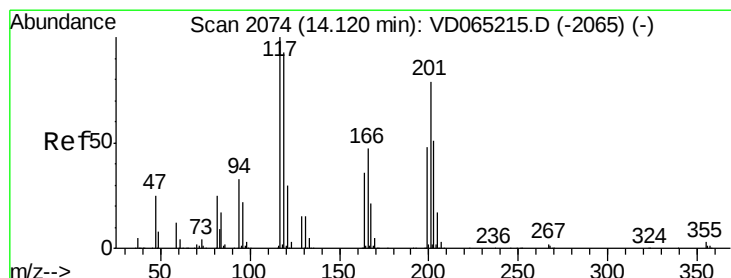
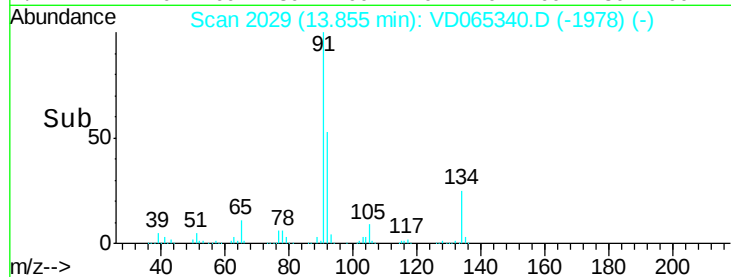
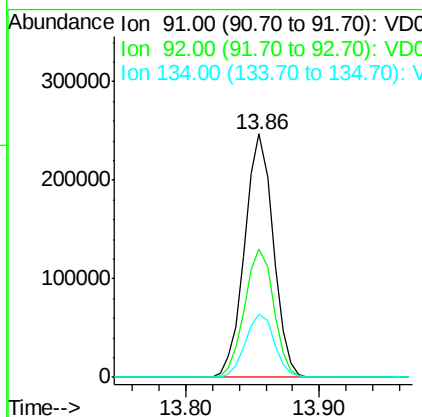
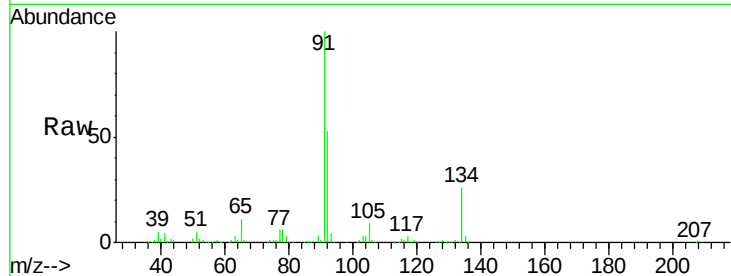
#89
n-Butylbenzene
Concen: 20.528 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Instrument :
MSVOA_D
ClientSampleId :
VD0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100			
92	53.6	27.0	80.8	
134	26.3	13.5	40.4	

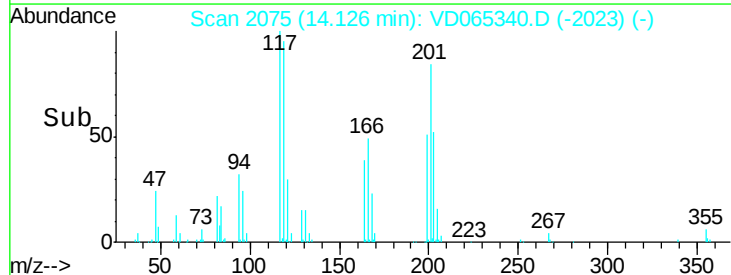
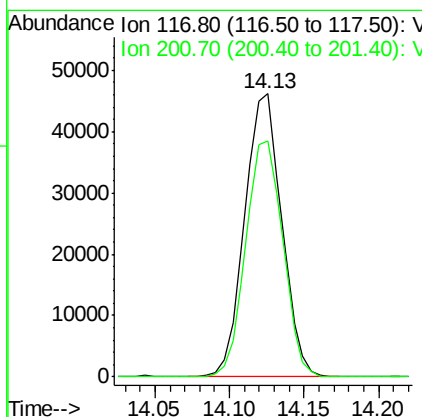
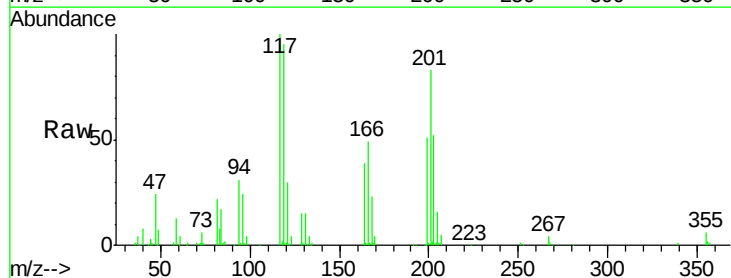
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#90
Hexachloroethane
Concen: 20.180 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065340.D
Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
201	83.5	41.3	124.1	





#91

1,2-Dichlorobenzene

Concen: 19.981 ug/l

RT: 13.90 min Scan# 2037

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

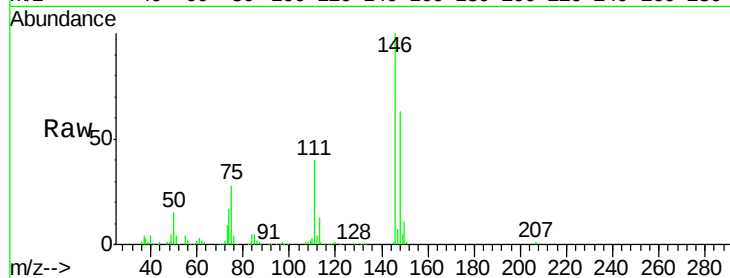
ClientSampleId :

VD0227SBS01

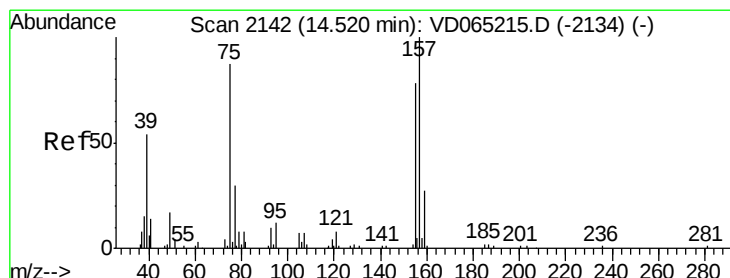
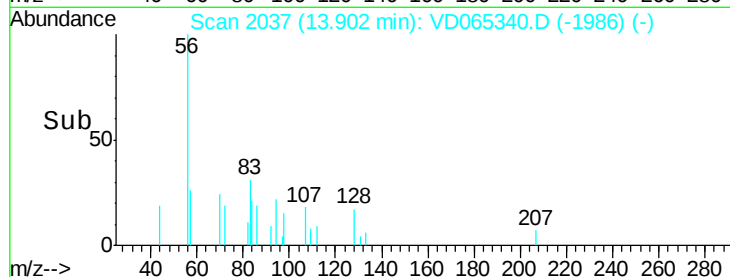
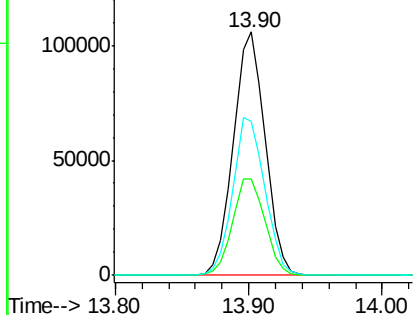
Tot Ion:	146	Resp:	175088
Ion Ratio	Lower	Upper	
146	100		
111	40.7	19.7	59.0
148	65.6	32.0	96.2

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 19.734 ug/l

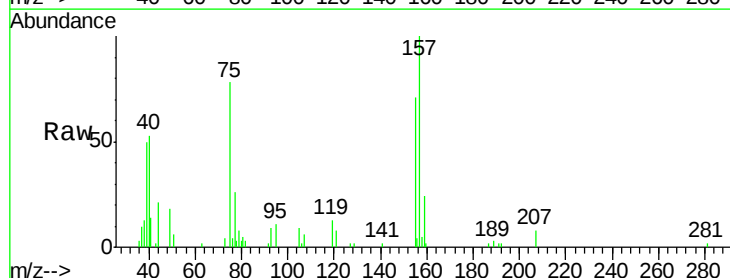
RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

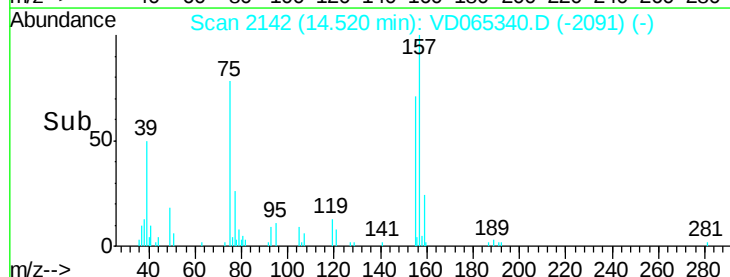
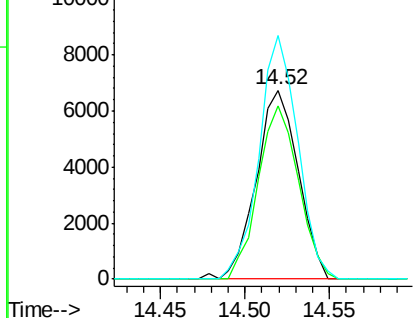
Lab File: VD065340.D

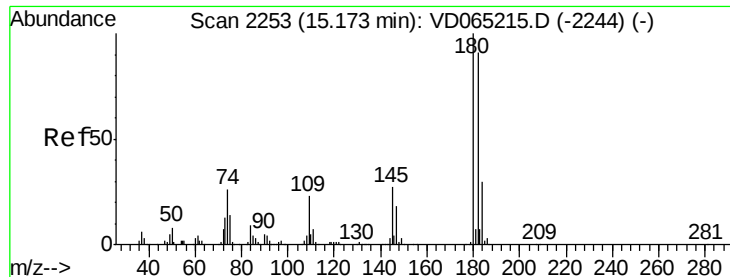
Acq: 27 Feb 2020 11:23

Tgt Ion:	75	Resp:	11668
Ion Ratio	Lower	Upper	
75	100		
155	87.9	42.3	126.9
157	118.9	56.7	170.1



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





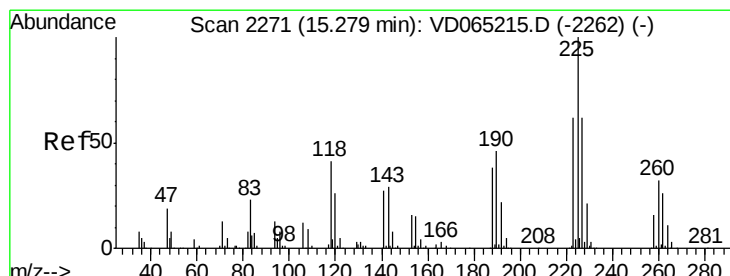
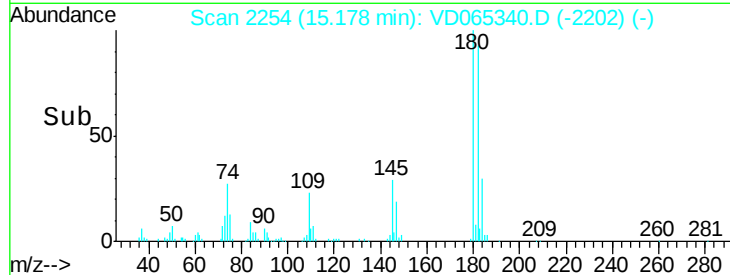
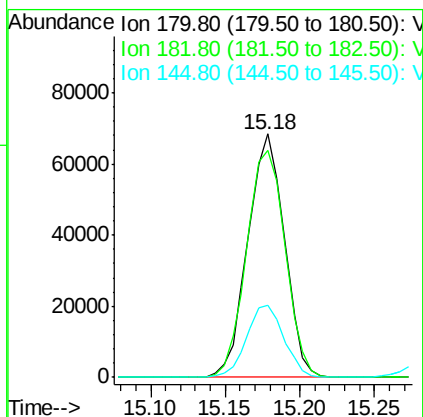
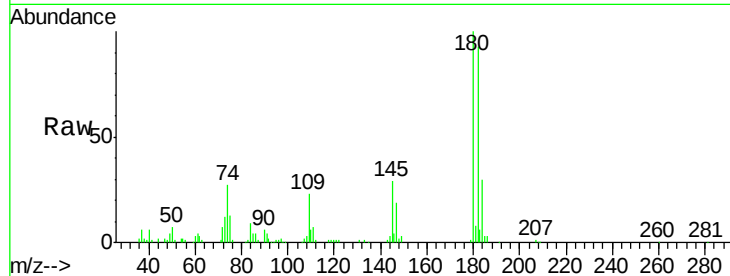
#93
 1,2,4-Trichlorobenzene
 Concen: 20.210 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0227SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	115841		
182	98.7	46.9	140.6	
145	30.2	13.9	41.7	

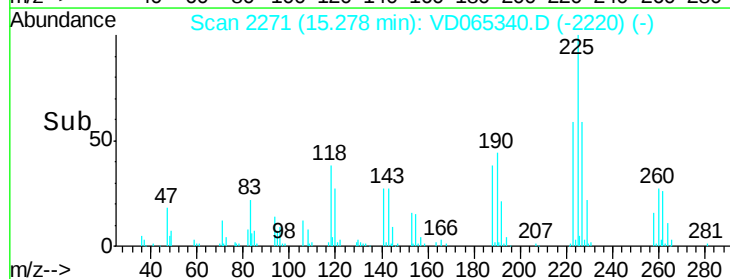
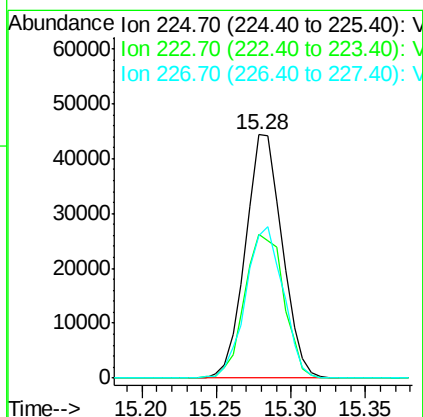
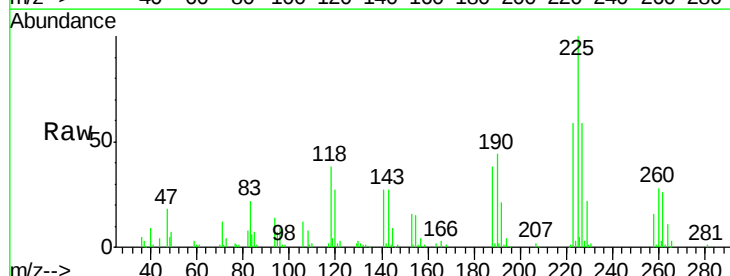
Manual Integrations
 APPROVED

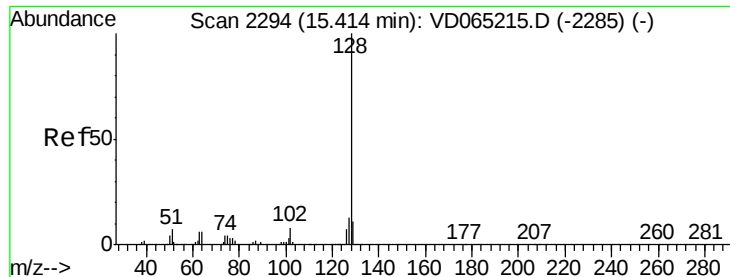
MMDadoda
 2/28/2020 9:59:08 AM



#94
 Hexachlorobutadiene
 Concen: 20.595 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065340.D
 Acq: 27 Feb 2020 11:23

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	75723		
223	63.1	31.4	94.2	
227	63.1	31.7	95.1	





#95

Naphthalene

Concen: 19.181 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. -0.00 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Instrument :

MSVOA_D

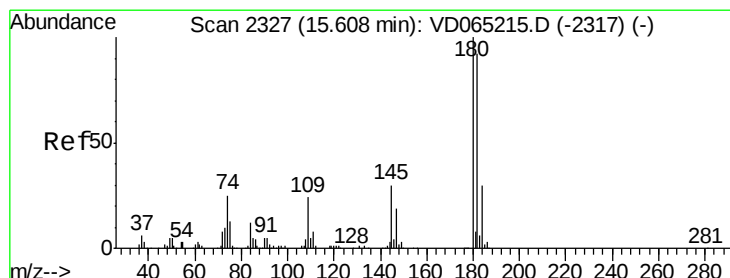
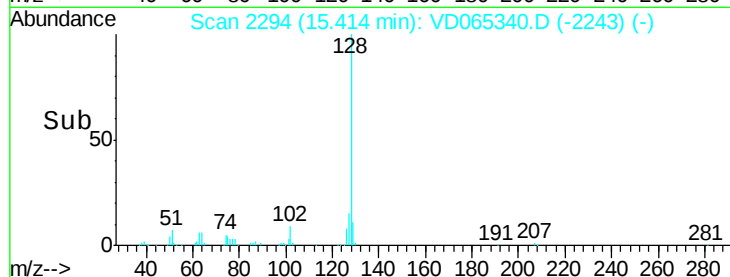
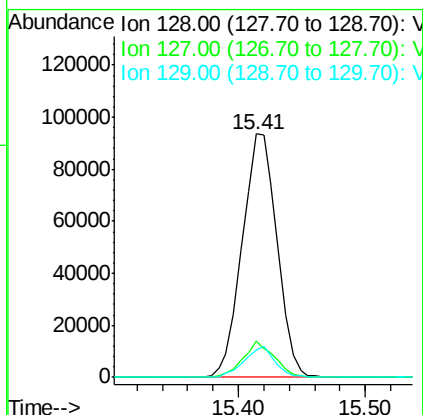
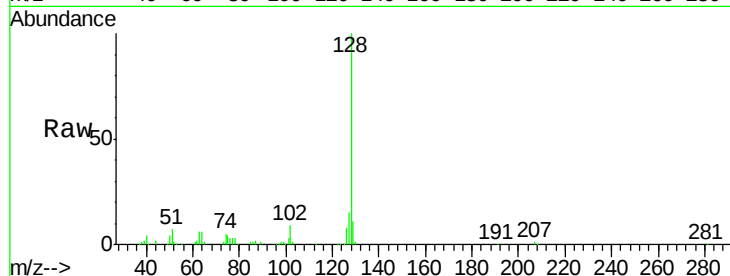
ClientSampleId :

VD0227SBS01

Tot Ion:	128	Resp:	178733
Ion Ratio	Lower	Upper	
128	100		
127	13.2	10.3	15.5
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:08 AM



#96

1,2,3-Trichlorobenzene

Concen: 20.723 ug/l

RT: 15.61 min Scan# 2328

Delta R.T. 0.01 min

Lab File: VD065340.D

Acq: 27 Feb 2020 11:23

Tgt Ion:	180	Resp:	103739
Ion Ratio	Lower	Upper	
180	100		
182	92.9	46.9	140.6
145	30.9	15.4	46.1

