

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022520\
 Data File : VD065304.D
 Acq On : 25 Feb 2020 11:31
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/26/2020 10:25:38 AM

Quant Time: Feb 25 23:42:35 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	533829	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	769733	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	690737	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	334978	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	216617	45.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.22%	
35) Dibromofluoromethane	7.92	113	233840	49.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.64%	
50) Toluene-d8	10.34	98	930799	51.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.76%	
62) 4-Bromofluorobenzene	12.64	95	289755	50.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	228011	50.925	ug/l	99
3) Chloromethane	2.21	50	265952	46.667	ug/l	96
4) Vinyl Chloride	2.35	62	275743	47.582	ug/l	98
5) Bromomethane	2.77	94	154388	44.062	ug/l	99
6) Chloroethane	2.93	64	166347	47.026	ug/l	99
7) Trichlorofluoromethane	3.27	101	403842	48.675	ug/l	98
8) Diethyl Ether	3.70	74	117528	46.929	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	260111	49.645	ug/l	99
10) Methyl Iodide	4.29	142	279126	51.310	ug/l	100
11) Tert butyl alcohol	5.24	59	62599	218.137	ug/l	100
12) 1,1-Dichloroethene	4.06	96	246403	49.784	ug/l	96
13) Acrolein	3.93	56	91162	260.575	ug/l	100
14) Allyl chloride	4.71	41	392680	48.857	ug/l	98
15) Acrylonitrile	5.43	53	253682	228.793	ug/l	99
16) Acetone	4.17	43	281584	239.863	ug/l	100
17) Carbon Disulfide	4.40	76	794157	47.860	ug/l	98
18) Methyl Acetate	4.72	43	114573	43.394	ug/l	99
19) Methyl tert-butyl Ether	5.49	73	491726	47.642	ug/l	99
20) Methylene Chloride	4.96	84	261783	50.101	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	280630	49.876	ug/l	94
22) Diisopropyl ether	6.37	45	762611	49.219	ug/l	100
23) Vinyl Acetate	6.31	43	2090907	244.782	ug/l	99
24) 1,1-Dichloroethane	6.26	63	464812	48.365	ug/l	99
25) 2-Butanone	7.22	43	332431	223.817	ug/l	98
26) 2,2-Dichloropropane	7.21	77	408525	48.993	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	286906	48.139	ug/l	99
28) Bromochloromethane	7.55	49	167040	46.850	ug/l	100
29) Tetrahydrofuran	7.57	42	202203	232.347	ug/l	99
30) Chloroform	7.71	83	454324	46.923	ug/l	99
31) Cyclohexane	7.98	56	455423	48.231	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	421563	48.663	ug/l	99
36) 1,1-Dichloropropene	8.11	75	384467	51.334	ug/l	99
37) Ethyl Acetate	7.30	43	138440	44.216	ug/l	99
38) Carbon Tetrachloride	8.10	117	390425	51.208	ug/l	95

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	476874	54.160	ug/l	98
40) Benzene	8.36	78	1058030	50.049	ug/l	99
41) Methacrylonitrile	7.53	41	82431	45.597	ug/l	95
42) 1,2-Dichloroethane	8.43	62	268037	46.121	ug/l	100
43) Isopropyl Acetate	8.46	43	264194	46.402	ug/l	99
44) Trichloroethene	9.11	130	295434	50.416	ug/l	99
45) 1,2-Dichloropropane	9.39	63	258552	49.186	ug/l	100
46) Dibromomethane	9.48	93	129088	47.728	ug/l	98
47) Bromodichloromethane	9.67	83	345697	48.501	ug/l	99
48) Methyl methacrylate	9.46	41	127699	48.523	ug/l	97
49) 1,4-Dioxane	9.47	88	30351	956.801	ug/l	93
51) 4-Methyl-2-Pentanone	10.23	43	695209	240.404	ug/l	100
52) Toluene	10.41	92	675312	51.609	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	325295	49.237	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	398588	49.962	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	181837	47.767	ug/l	99
56) Ethyl methacrylate	10.67	69	221670	50.450	ug/l	98
57) 1,3-Dichloropropane	10.96	76	318203	49.112	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	295665	213.436	ug/l	98
59) 2-Hexanone	10.99	43	509201	245.979	ug/l	97
60) Dibromochloromethane	11.14	129	237471	48.738	ug/l	100
61) 1,2-Dibromoethane	11.25	107	174654	48.457	ug/l	98
64) Tetrachloroethene	10.88	164	249987	51.029	ug/l	97
65) Chlorobenzene	11.68	112	698990	50.427	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	258250	49.926	ug/l	99
67) Ethyl Benzene	11.75	91	1275562	52.543	ug/l	100
68) m/p-Xylenes	11.86	106	981179	105.639	ug/l	99
69) o-Xylene	12.19	106	434822	52.842	ug/l	99
70) Styrene	12.20	104	765889	52.423	ug/l	100
71) Bromoform	12.37	173	136166	47.439	ug/l #	99
73) Isopropylbenzene	12.48	105	1209961	54.559	ug/l	100
74) N-amyl acetate	12.30	43	238486	48.395	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	188238	47.030	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	132784m	46.589	ug/l	
77) Bromobenzene	12.77	156	278250	50.527	ug/l	99
78) n-propylbenzene	12.83	91	1448808	54.363	ug/l	100
79) 2-Chlorotoluene	12.91	91	780615	52.285	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	986228	53.993	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	63931	48.433	ug/l	94
82) 4-Chlorotoluene	13.01	91	823525	51.957	ug/l	100
83) tert-Butylbenzene	13.23	119	858741	56.094	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	967088	52.897	ug/l	100
85) sec-Butylbenzene	13.41	105	1187956	53.852	ug/l	100
86) p-Isopropyltoluene	13.53	119	1099139	54.485	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	537673	50.504	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	521966	49.677	ug/l	99
89) n-Butylbenzene	13.86	91	1010298	54.348	ug/l	99
90) Hexachloroethane	14.13	117	210670	51.432	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	456131	49.899	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27650	44.828	ug/l	92

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QLast Update : Wed Feb 19 03:26:54 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	311974	52.175	ug/l	98
94) Hexachlorobutadiene	15.28	225	201603	52.560	ug/l	99
95) Naphthalene	15.42	128	505551	52.009	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	268097	51.338	ug/l	98

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

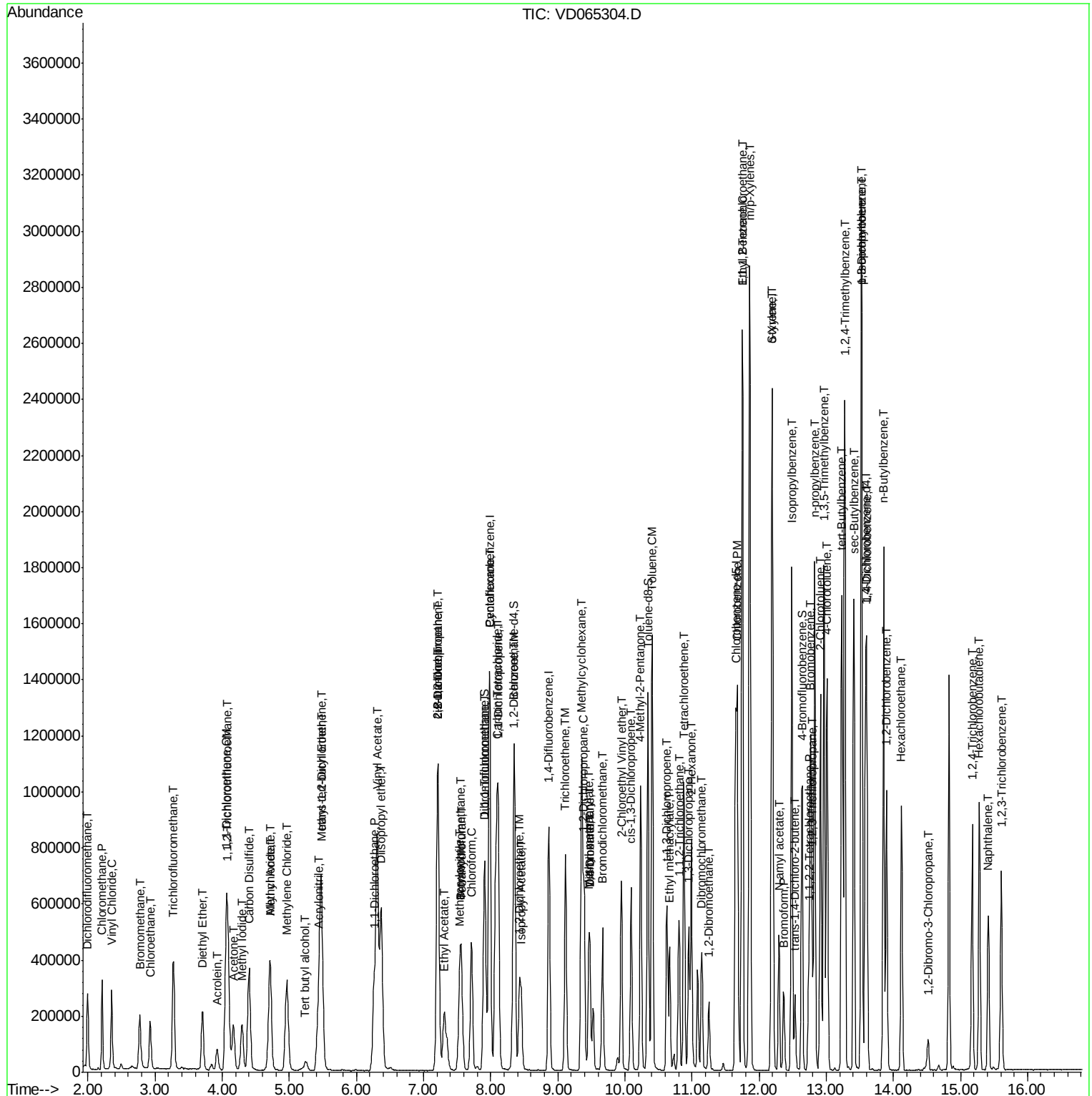
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022520\
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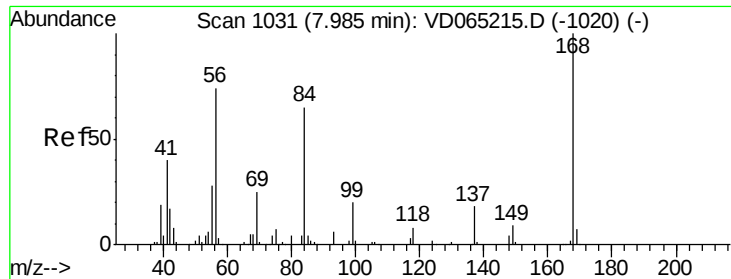
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 533829

Ion Ratio Lower Upper

168 100

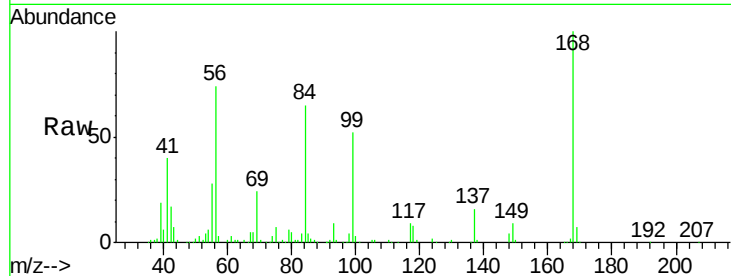
99 51.9 41.4 62.2

Manual Integrations

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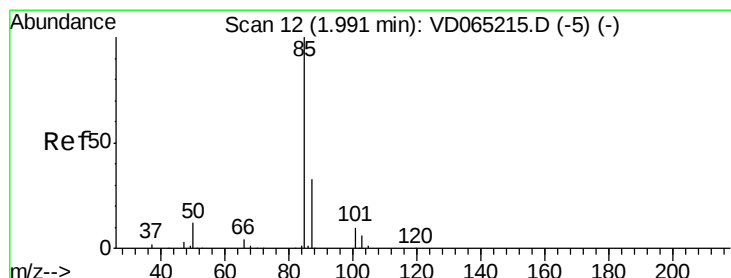
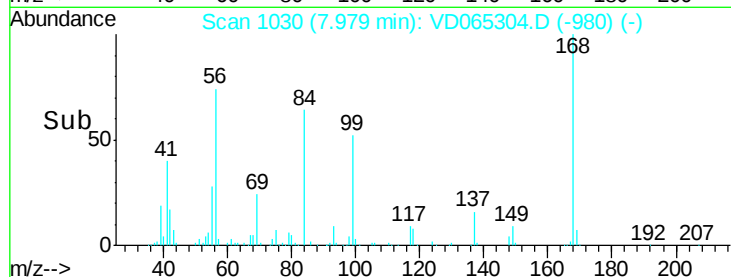
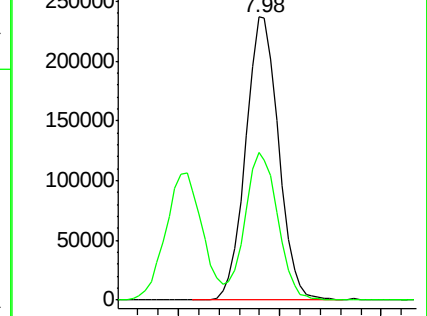
MMDadoda

2/26/2020 10:25:38 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 50.925 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065304.D

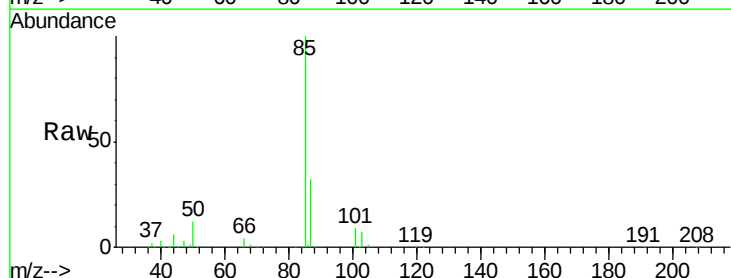
Acq: 25 Feb 2020 11:31

Tgt Ion: 85 Resp: 228011

Ion Ratio Lower Upper

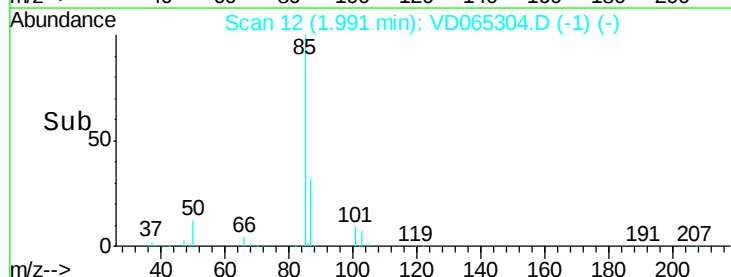
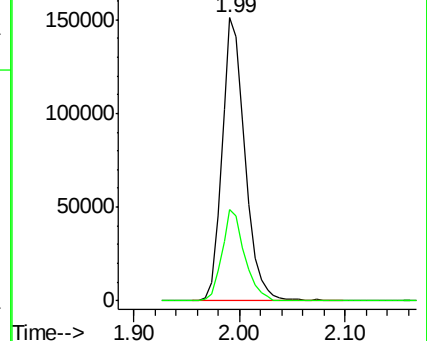
85 100

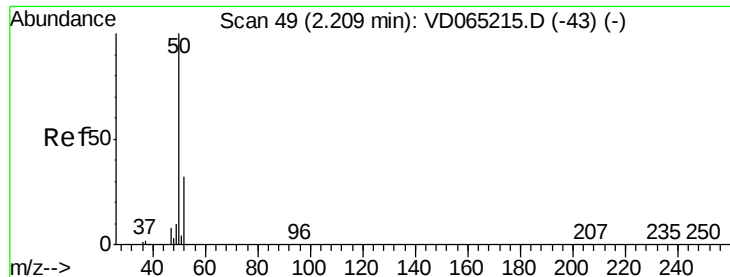
87 32.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 46.667 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 265952

Ion Ratio Lower Upper

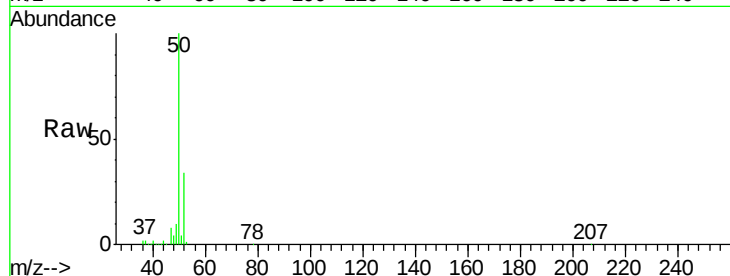
50 100

52 34.1 25.5 38.3

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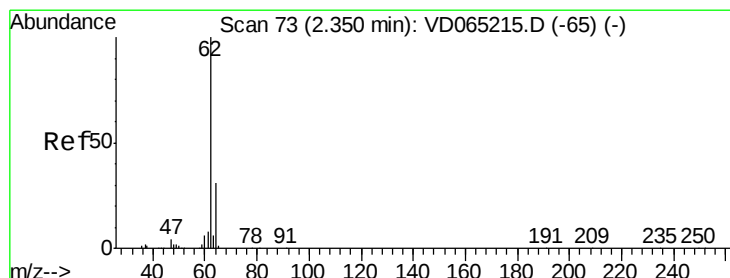
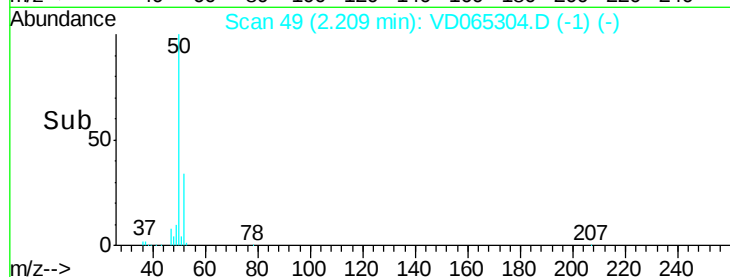
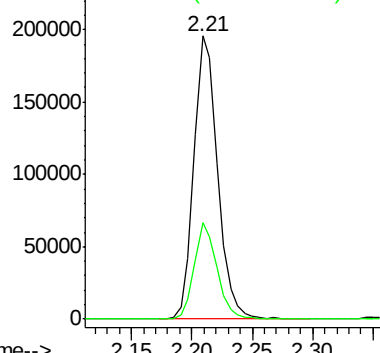
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.582 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065304.D

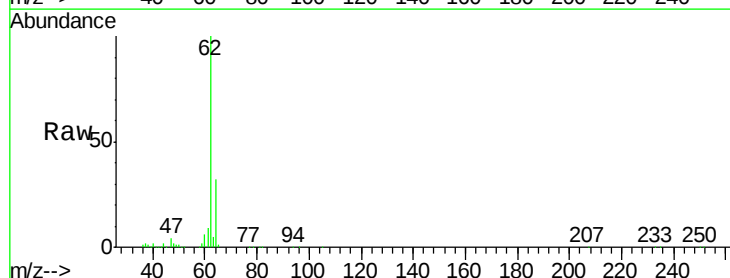
Acq: 25 Feb 2020 11:31

Tgt Ion: 62 Resp: 275743

Ion Ratio Lower Upper

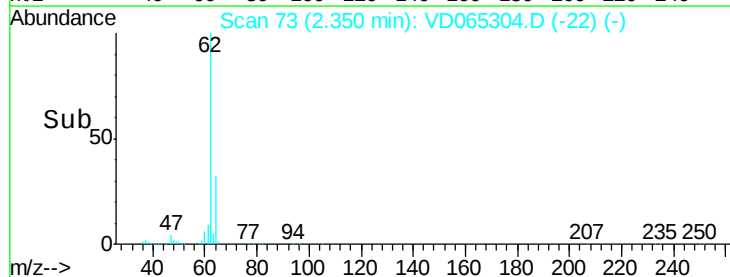
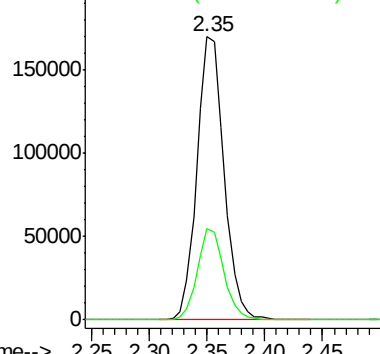
62 100

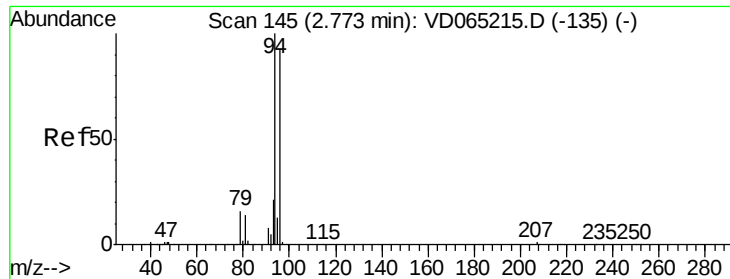
64 32.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.062 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

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Tot Ion: 94 Resp: 154388

Ion Ratio Lower Upper

94 100

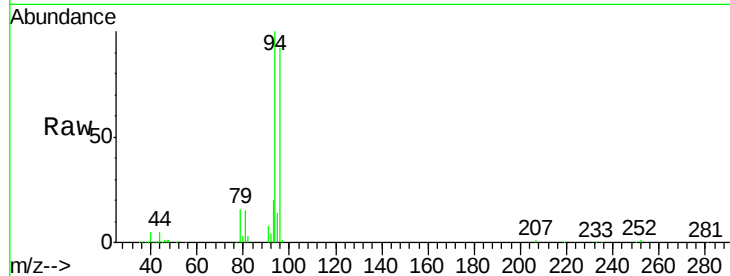
96 91.7 74.2 111.4

Manual Integrations

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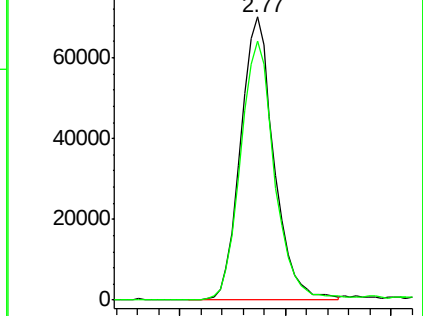
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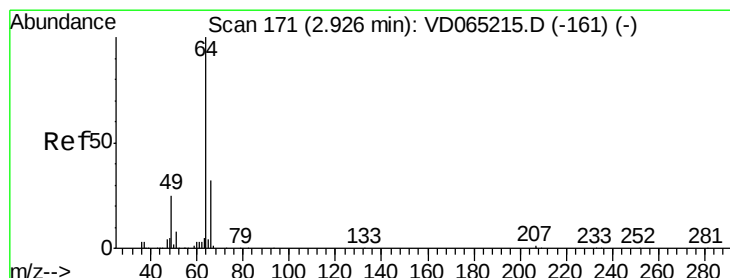
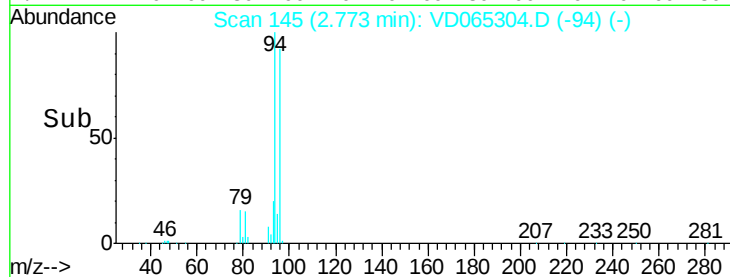


Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



Time-->



#6

Chloroethane

Concen: 47.026 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065304.D

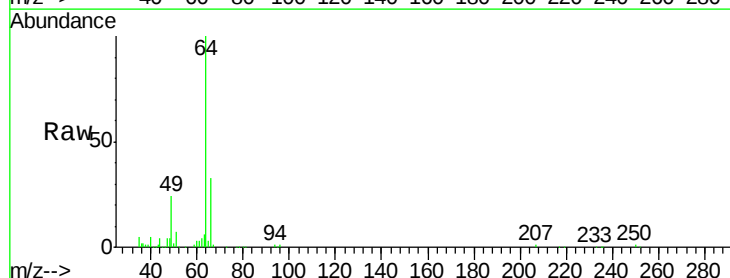
Acq: 25 Feb 2020 11:31

Tgt Ion: 64 Resp: 166347

Ion Ratio Lower Upper

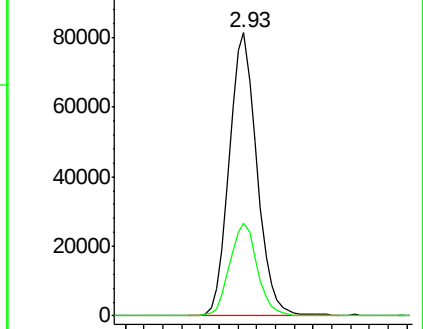
64 100

66 32.9 25.7 38.5

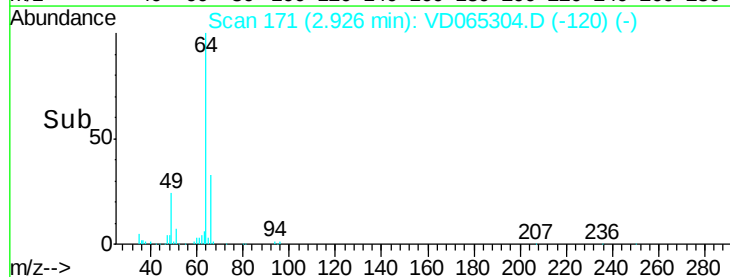


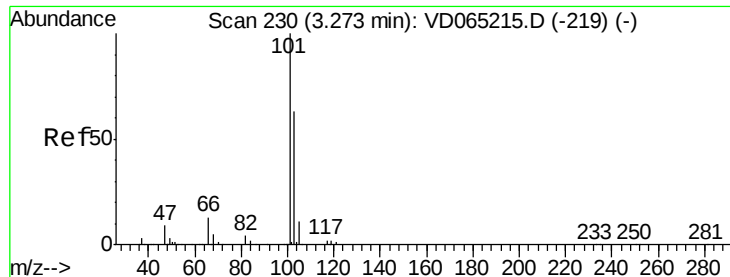
Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



Time-->





#7

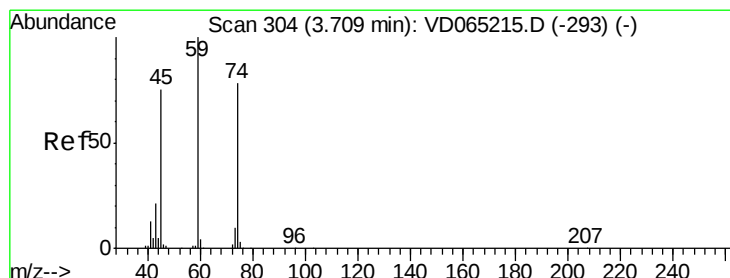
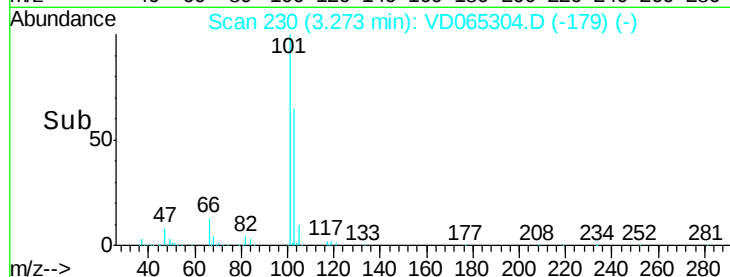
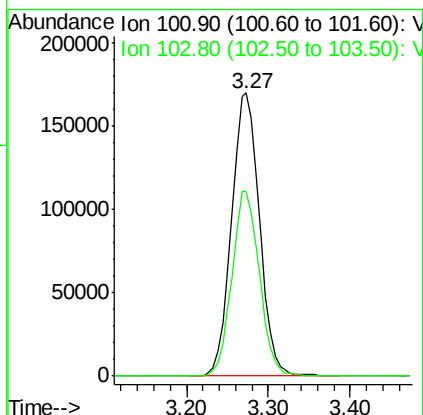
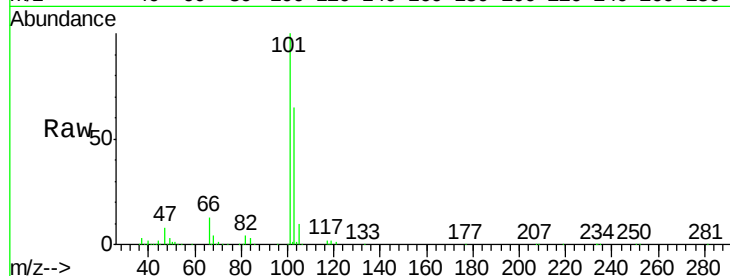
Trichlorofluoromethane
 Concen: 48.675 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. 0.00 min
 Lab File: VD065304.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.7	76.1

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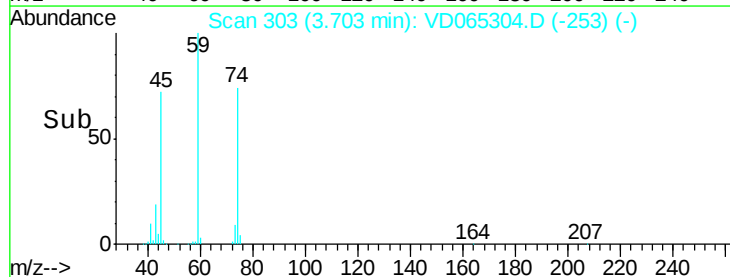
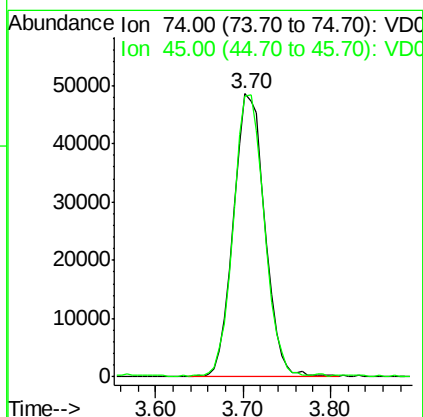
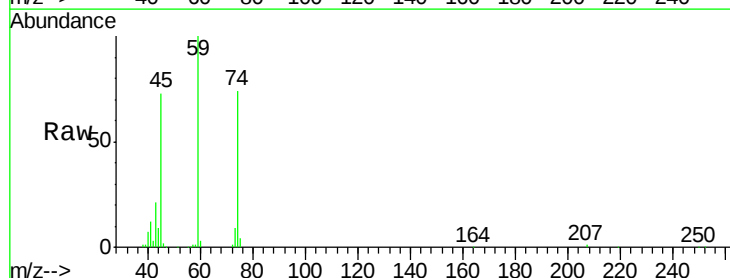
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#8

Diethyl Ether
 Concen: 46.929 ug/l
 RT: 3.70 min Scan# 303
 Delta R.T. -0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.645 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

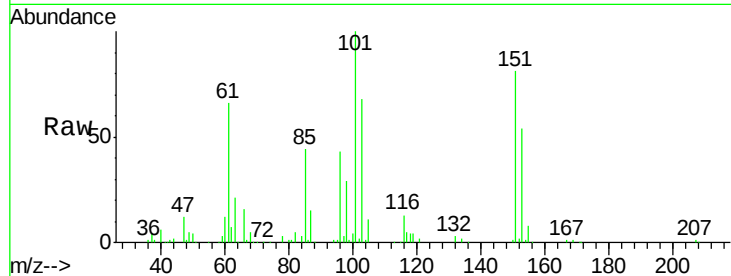
ClientSampleId :

VSTDCCC050

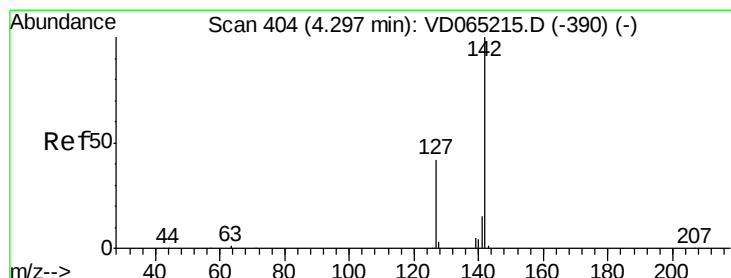
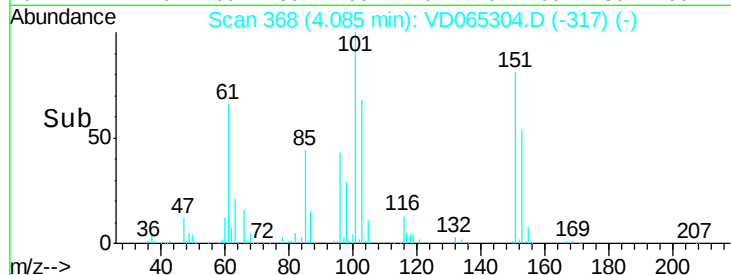
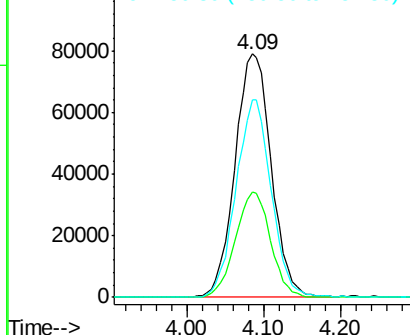
Tot Ion:	101	Resp:	260111
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.2
151	79.0	63.5	95.3

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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 51.310 ug/l

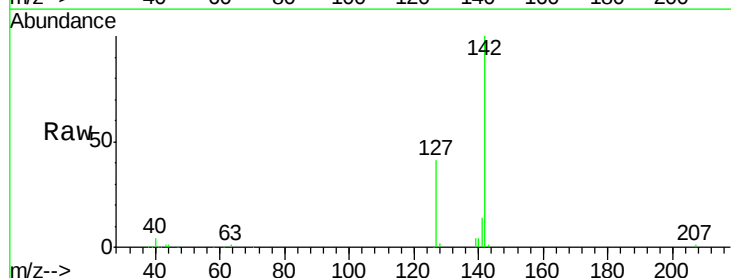
RT: 4.29 min Scan# 403

Delta R.T. -0.01 min

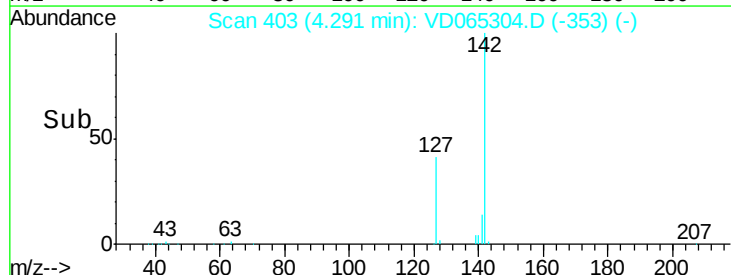
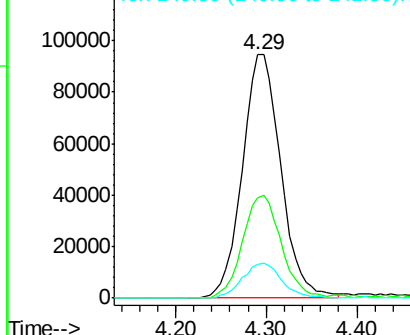
Lab File: VD065304.D

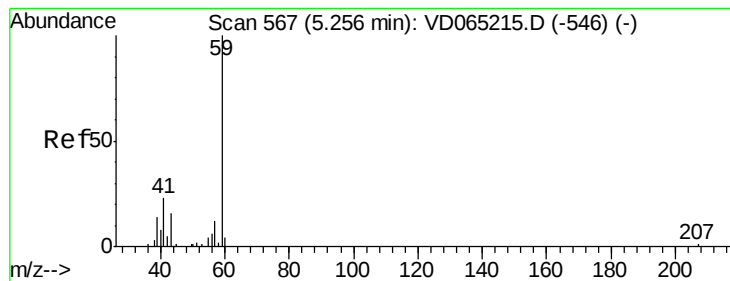
Acq: 25 Feb 2020 11:31

Tgt Ion:	142	Resp:	279126
Ion Ratio	Lower	Upper	
142	100		
127	42.4	33.8	50.8
141	14.8	11.7	17.5



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

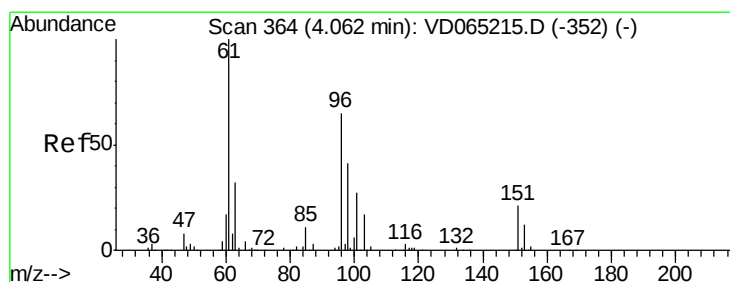
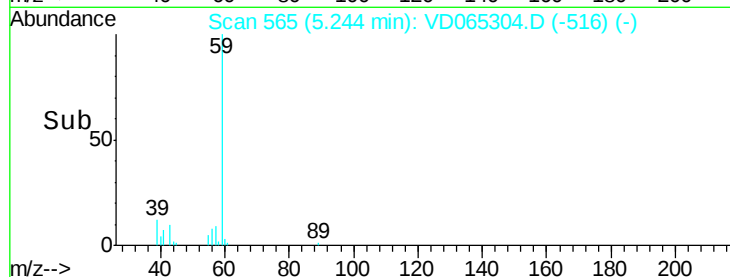
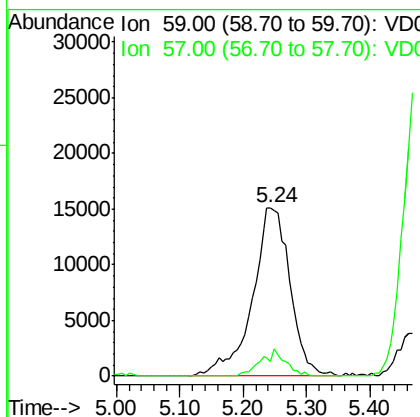
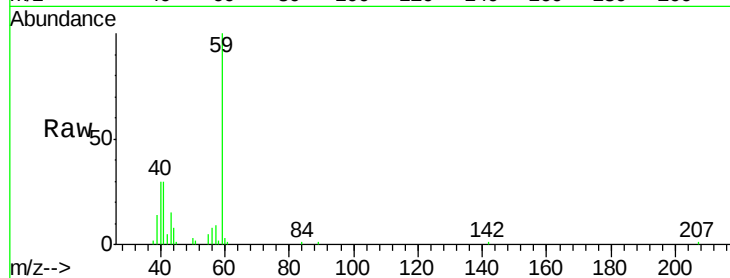
Tert butyl alcohol
Concen: 218.137 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	59	57	Ratio	100	10.5	Resp	62599	Lower	8.4	Upper	12.6
Ion	59	57	Ratio	100	10.5	Resp	62599	Lower	8.4	Upper	12.6

Manual Integrations
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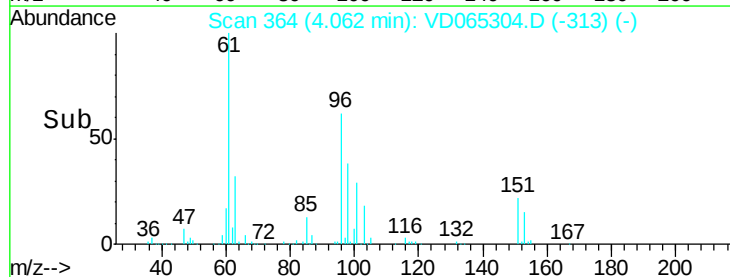
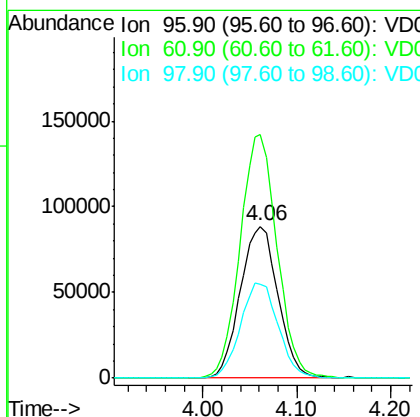
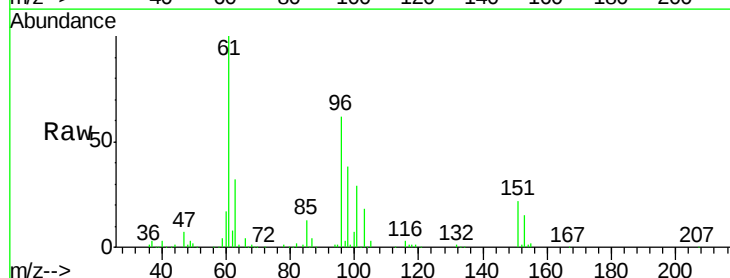
MMDadoda
2/26/2020 10:25:38 AM



#12

1,1-Dichloroethene
Concen: 49.784 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	96	61	98	Ratio	100	160.2	61.6	Resp	246403	Lower	123.3	Upper	184.9	76.4
Ion	96	61	98	Ratio	100	160.2	61.6	Resp	246403	Lower	123.3	Upper	184.9	76.4





#13

Acrolein

Concen: 260.575 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 91162

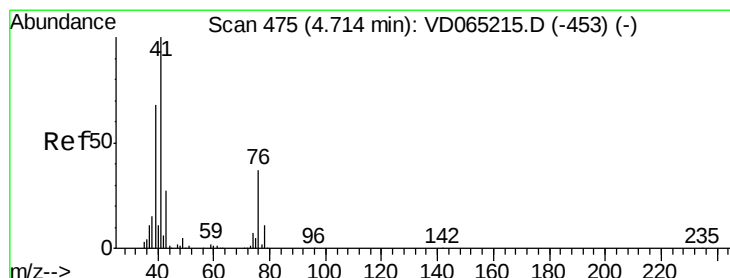
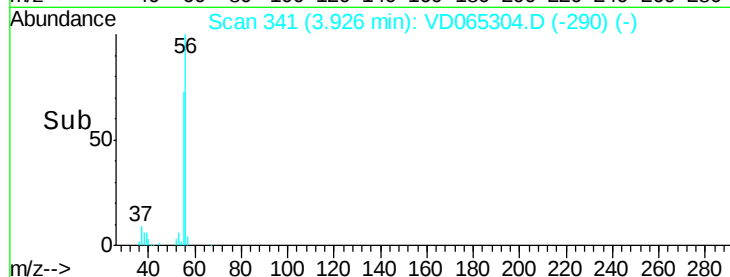
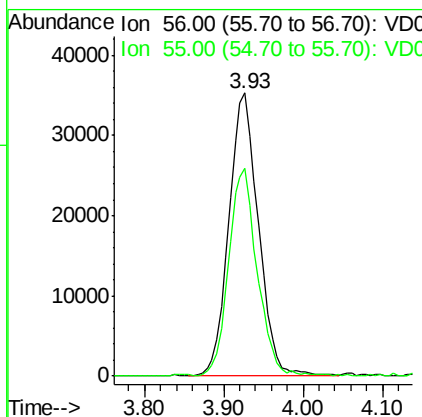
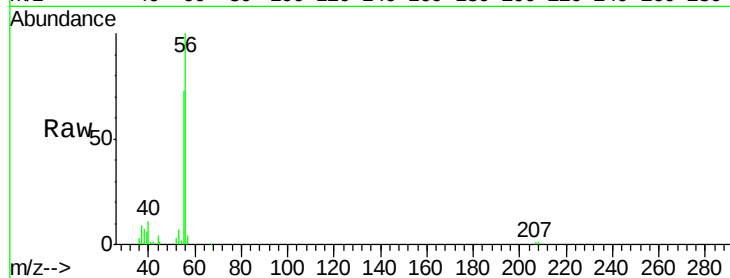
Ion Ratio Lower Upper

56 100

55 70.9 56.6 85.0

Manual Integrations
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#14

Allyl chloride

Concen: 48.857 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

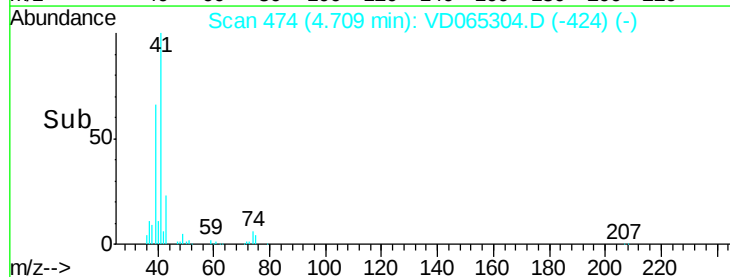
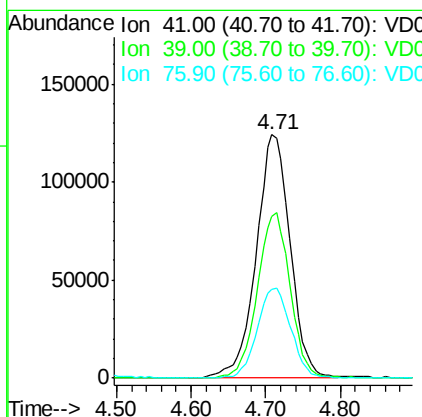
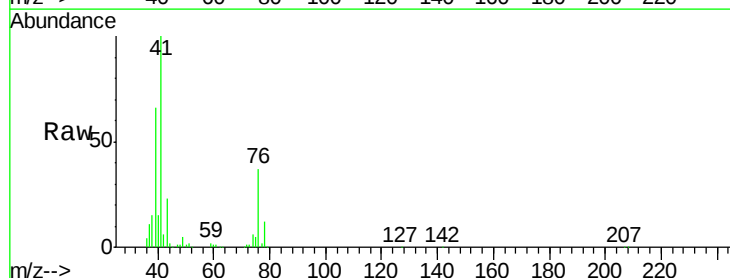
Tgt Ion: 41 Resp: 392680

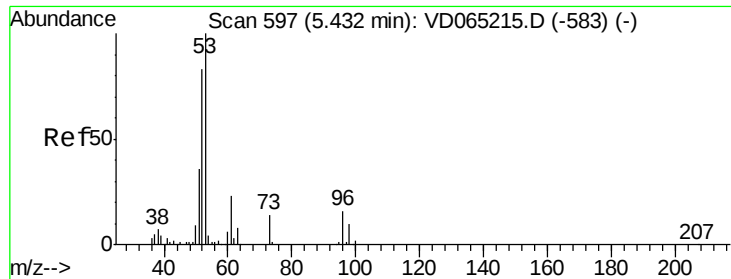
Ion Ratio Lower Upper

41 100

39 65.7 53.8 80.6

76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 228.793 ug/l

RT: 5.43 min Scan# 597

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

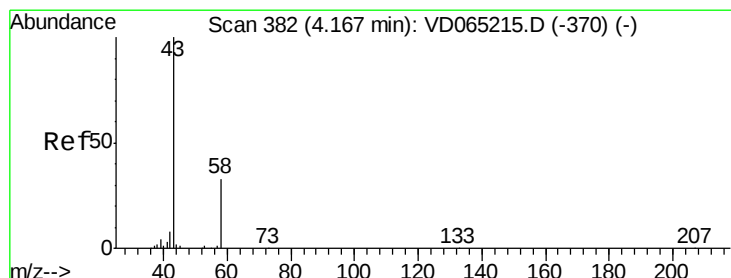
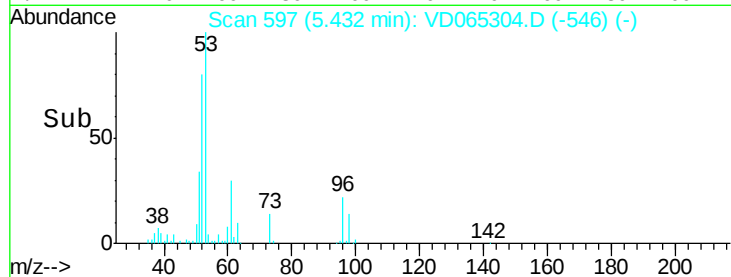
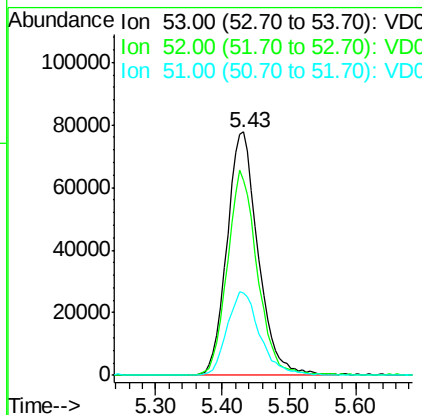
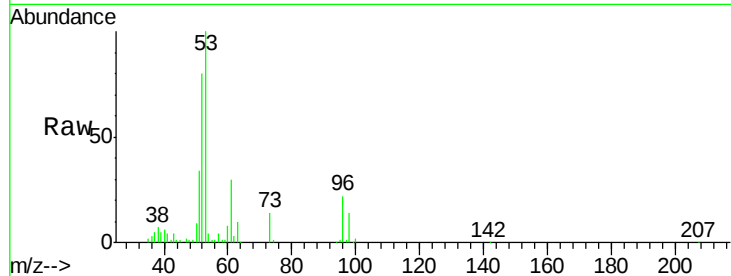
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	253682
Ion Ratio	Lower	Upper	
53	100		
52	80.9	65.4	98.2
51	36.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 239.863 ug/l

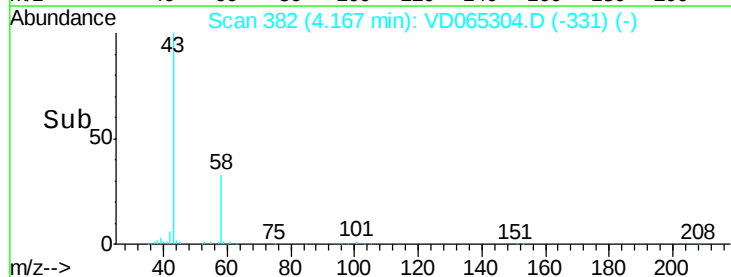
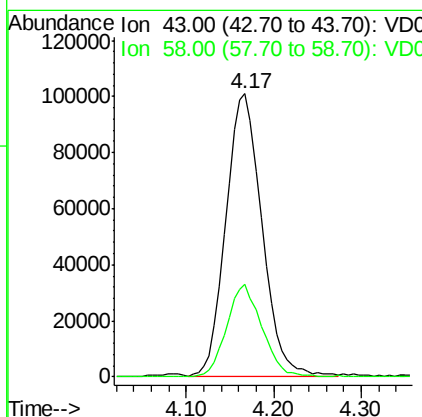
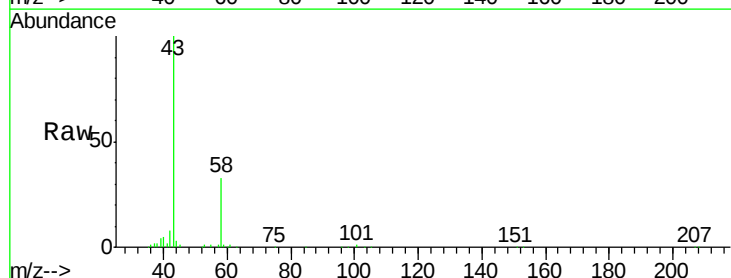
RT: 4.17 min Scan# 382

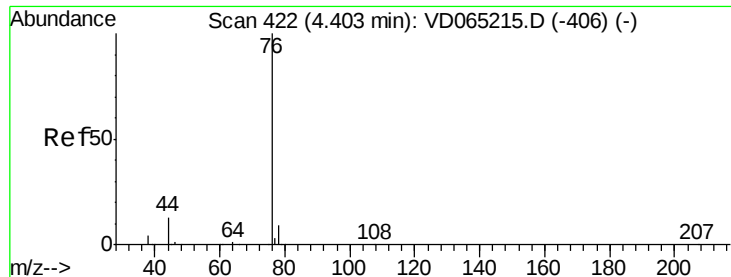
Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion:	43	Resp:	281584
Ion Ratio	Lower	Upper	
43	100		
58	32.7	26.2	39.2





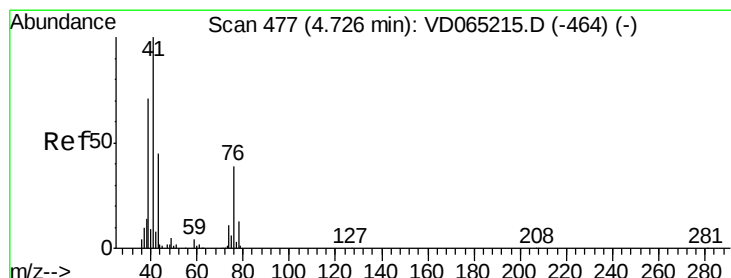
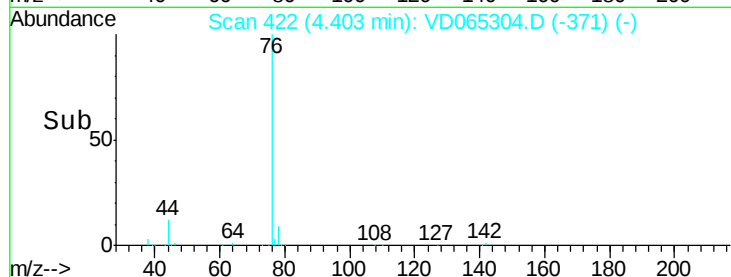
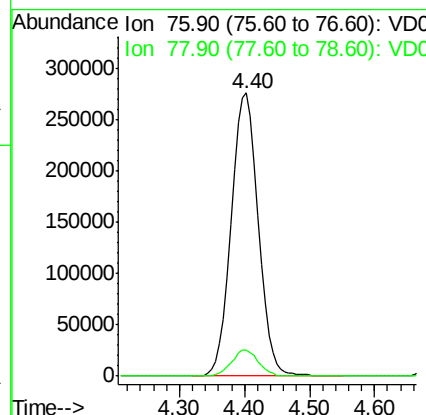
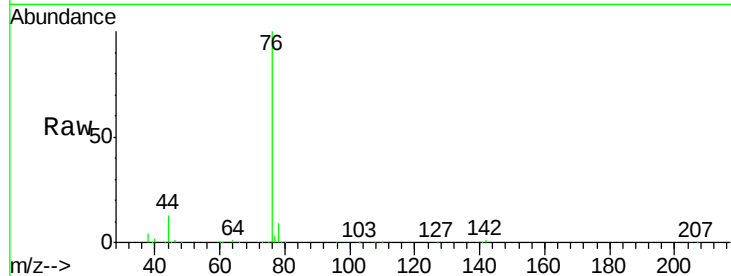
#17
Carbon Disulfide
Concen: 47.860 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

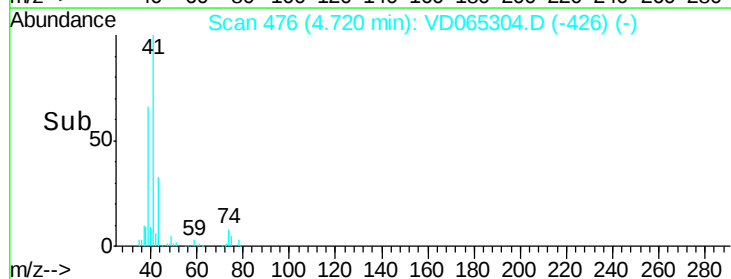
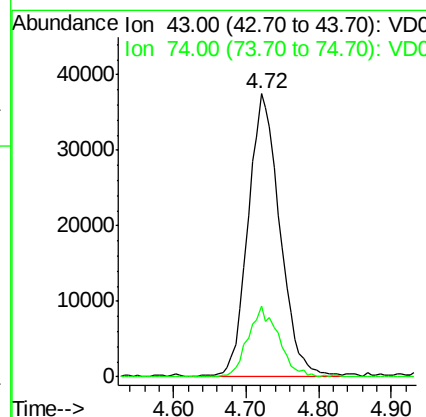
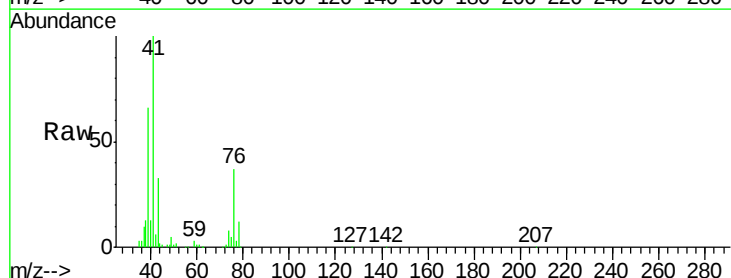
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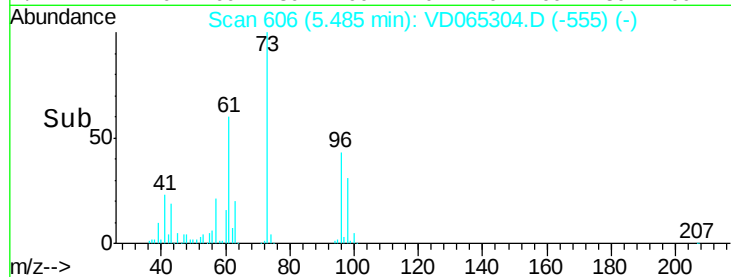
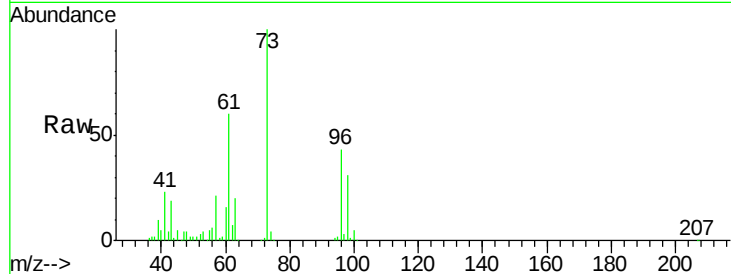
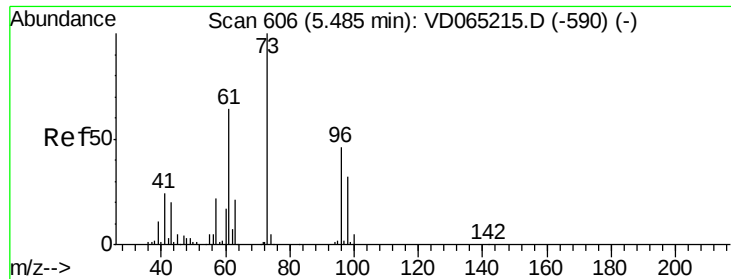
MMDadoda
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#18
Methyl Acetate
Concen: 43.394 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.7	19.4	29.2





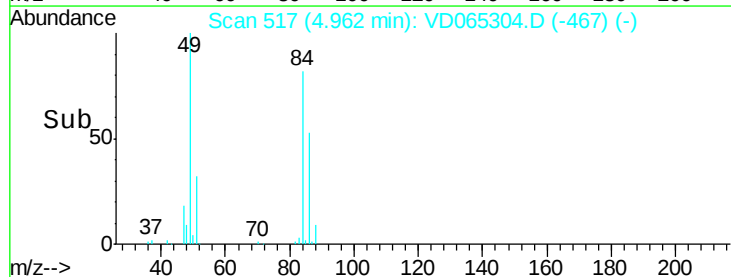
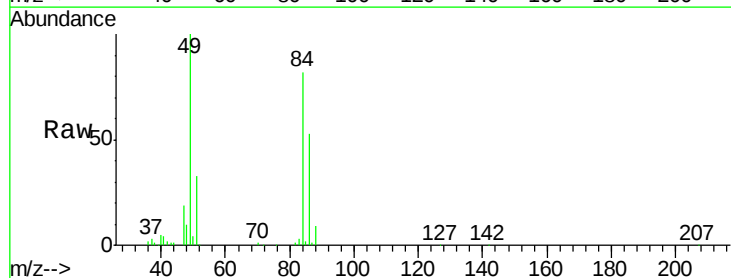
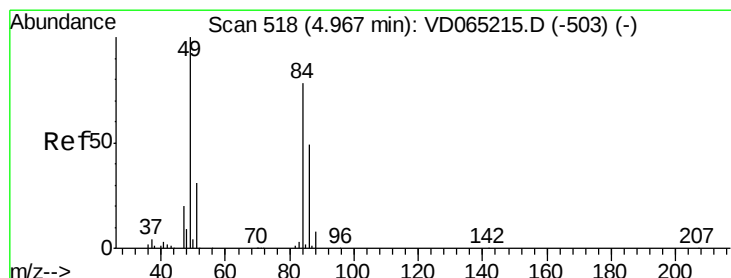
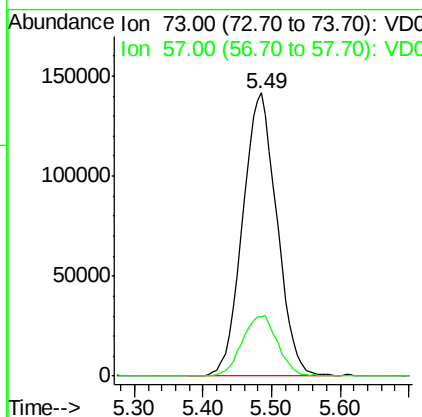
#19
Methvl tert-butvl Ether
Concen: 47.642 ug/l
RT: 5.49 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tot Ion: 73 Resp: 491726
Ion Ratio Lower Upper
73 100
57 21.1 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

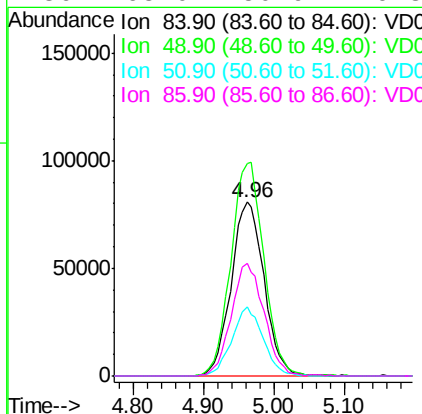
Manual Integrations
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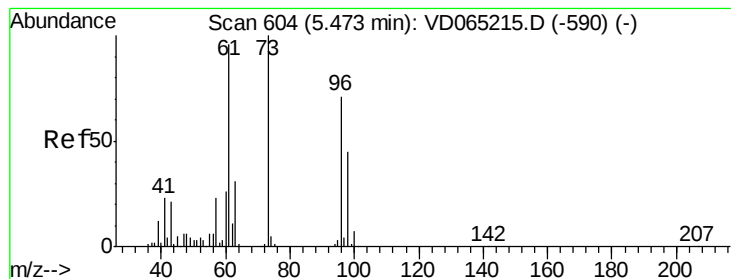
MMDadoda
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#20
Methylene Chloride
Concen: 50.101 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 84 Resp: 261783
Ion Ratio Lower Upper
84 100
49 122.4 103.1 154.7
51 39.9 31.7 47.5
86 65.0 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.876 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 280630

Ion Ratio Lower Upper

96 100

61 127.1 108.3 162.5

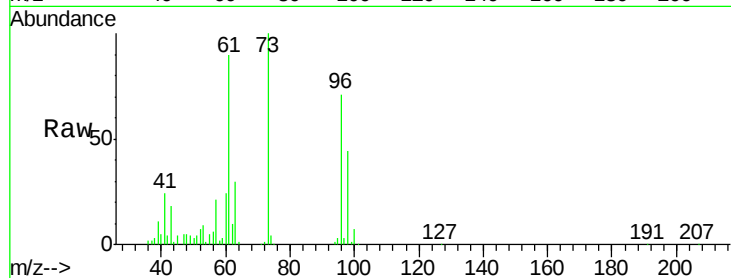
98 61.4 50.7 76.1

Manual Integrations

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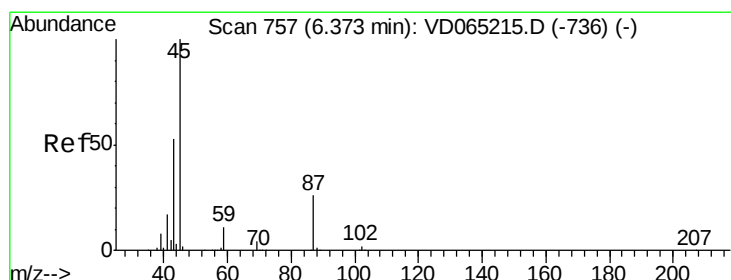
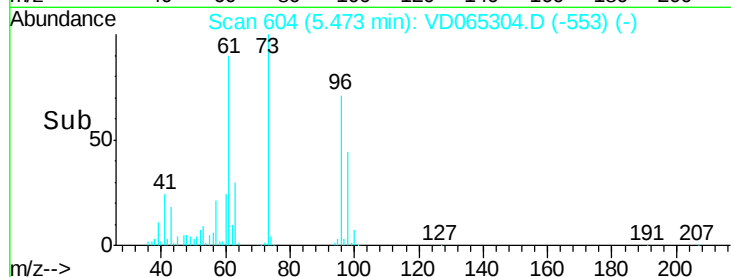
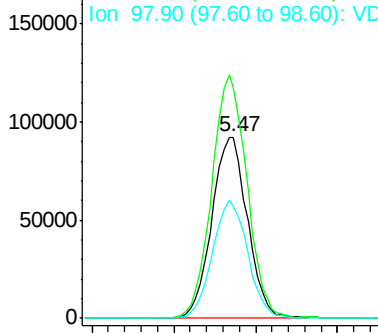


Abundance

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: 49.219 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion: 45 Resp: 762611

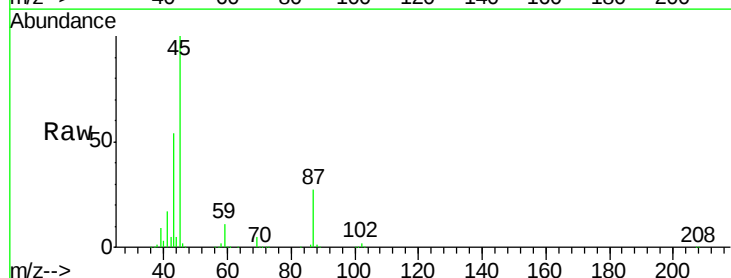
Ion Ratio Lower Upper

45 100

43 53.4 42.6 64.0

87 26.5 21.2 31.8

59 10.9 8.9 13.3



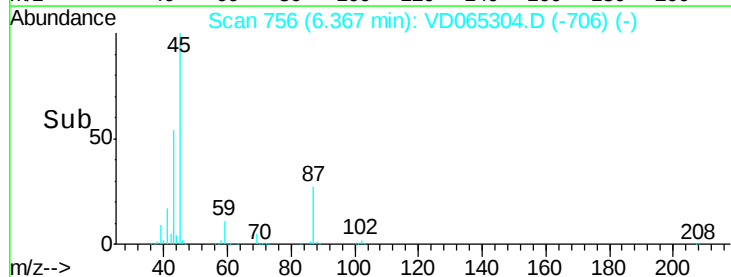
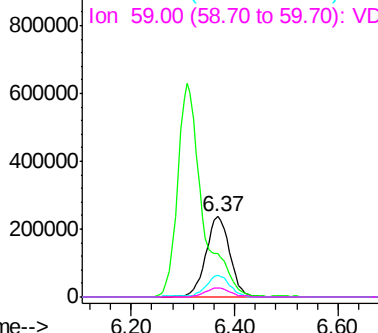
Abundance

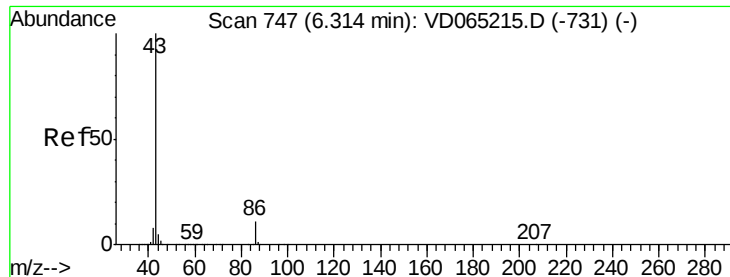
Ion 45.00 (44.70 to 45.70): VDC

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: 244.782 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2090907

Ion Ratio Lower Upper

43 100

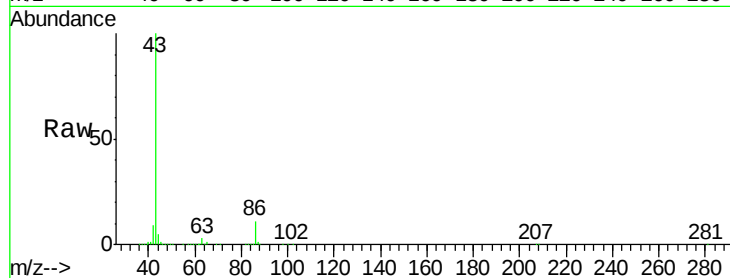
86 10.9 8.6 12.8

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

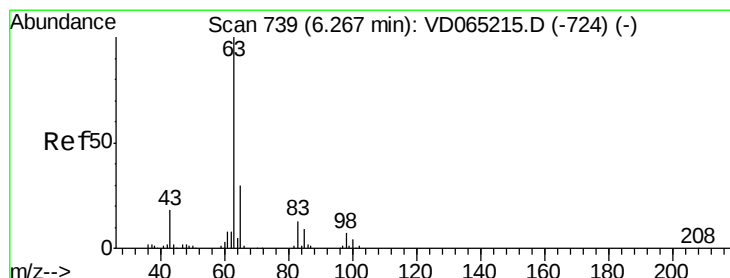
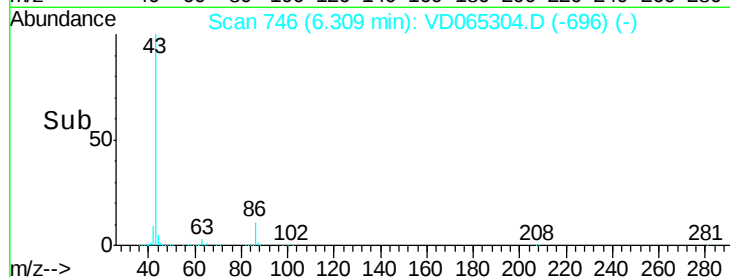
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.365 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

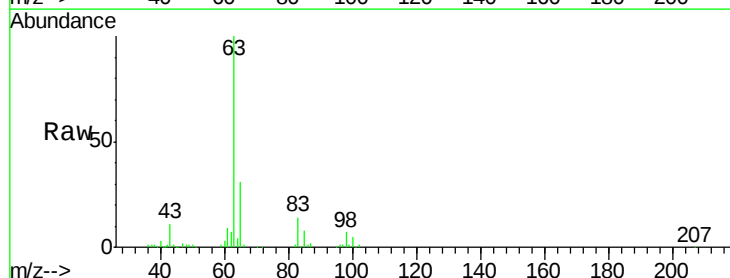
Tgt Ion: 63 Resp: 464812

Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.1

100 5.3 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

200000

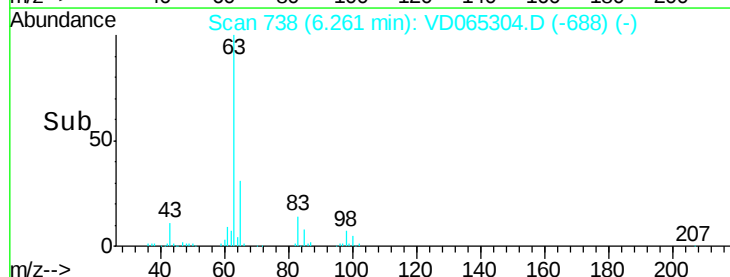
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 223.817 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 332431

Ion Ratio Lower Upper

43 100

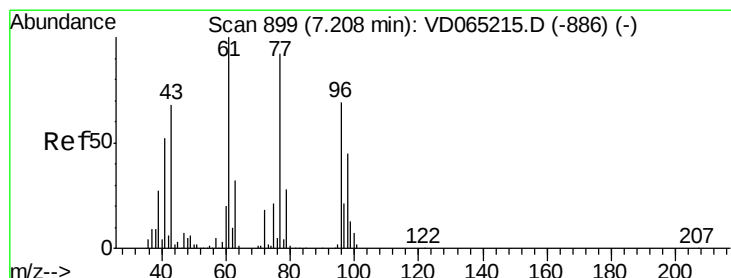
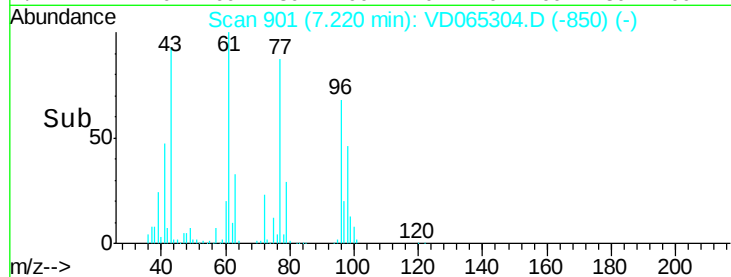
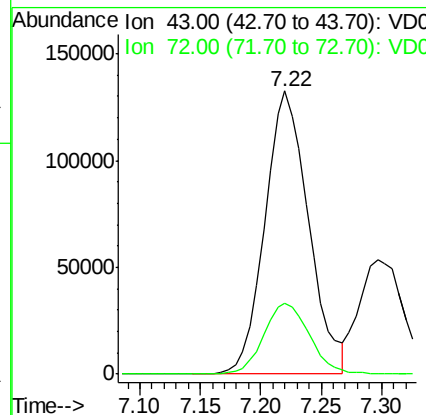
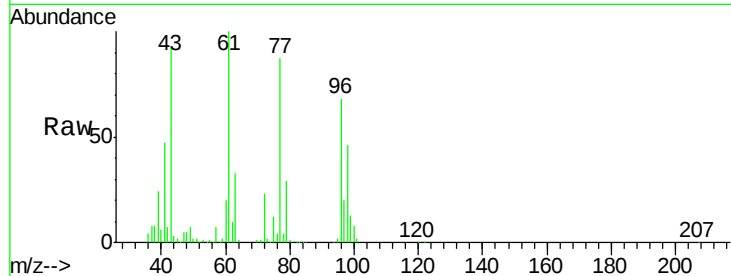
72 24.9 20.9 31.3

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#26

2,2-Dichloropropane

Concen: 48.993 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065304.D

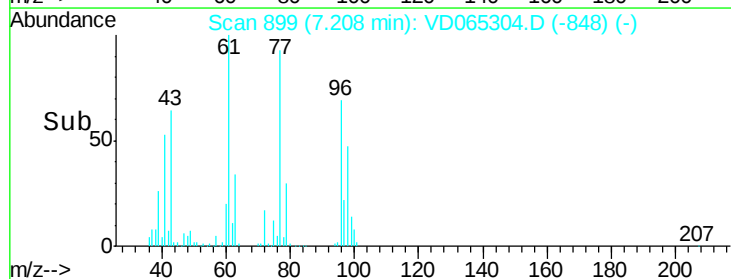
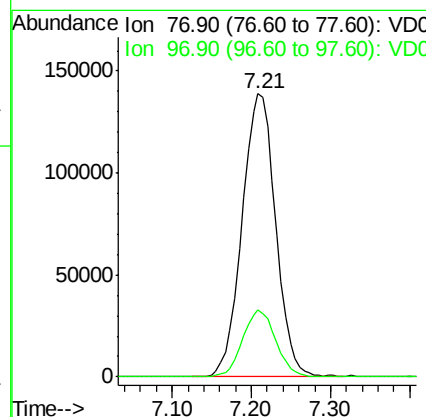
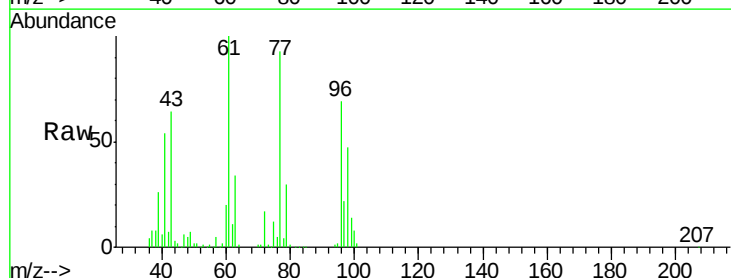
Acq: 25 Feb 2020 11:31

Tgt Ion: 77 Resp: 408525

Ion Ratio Lower Upper

77 100

97 23.3 11.7 35.1





#27

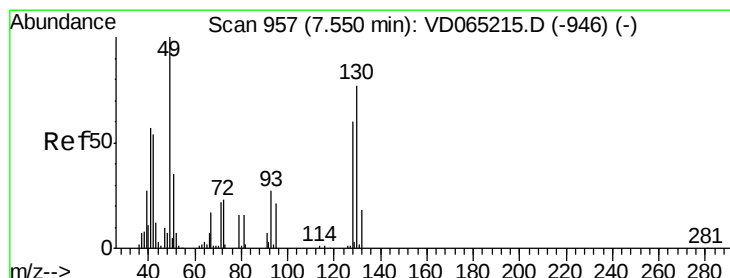
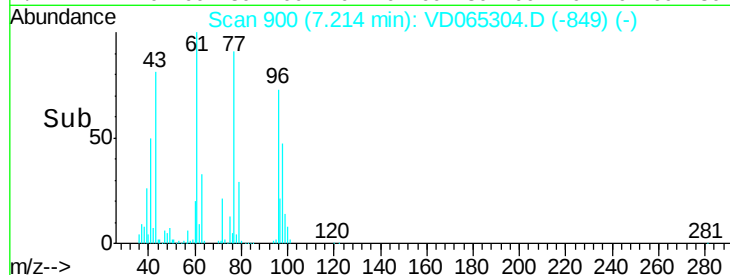
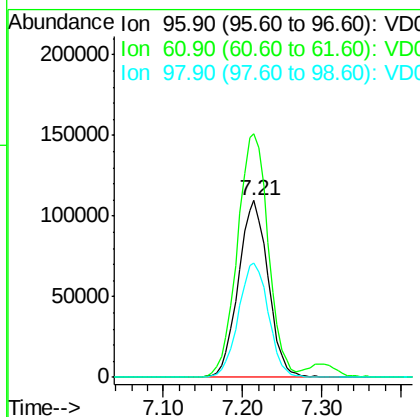
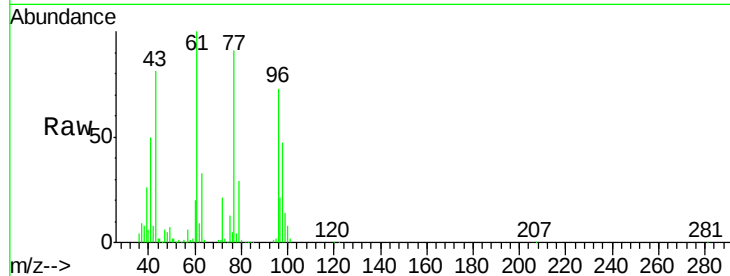
cis-1,2-Dichloroethene
Concen: 48.139 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	286906		
61	142.3	0.0	286.0	
98	65.2	0.0	127.8	

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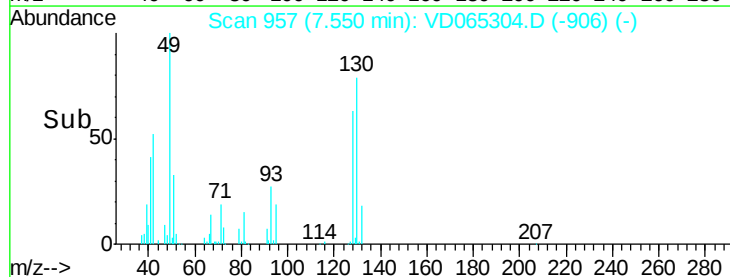
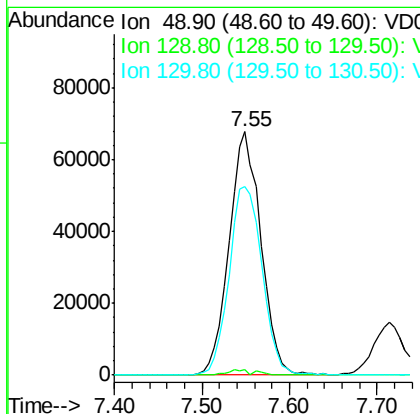
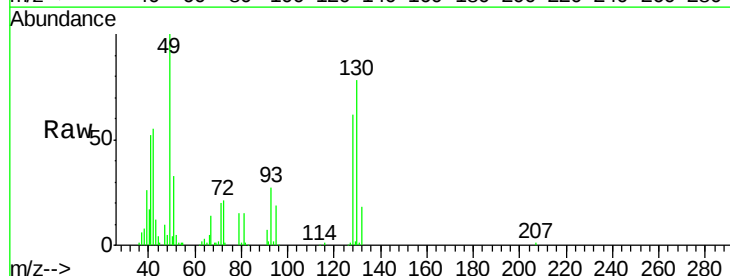
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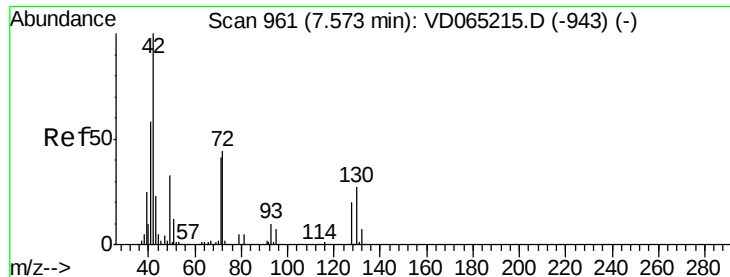


#28

Bromochloromethane
Concen: 46.850 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	167040		
129	1.3	0.0	4.6	
130	80.7	64.7	97.1	





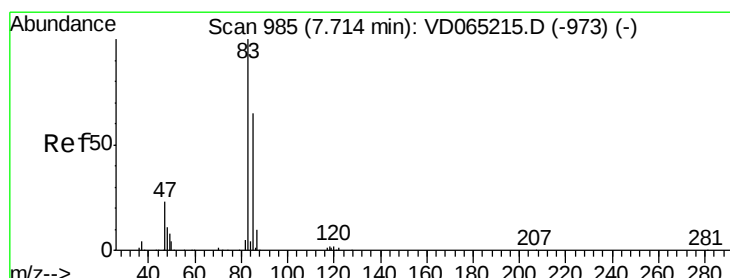
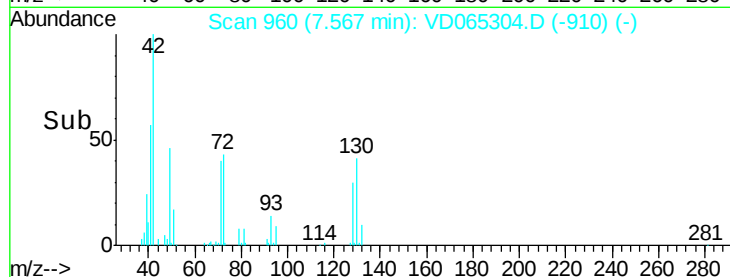
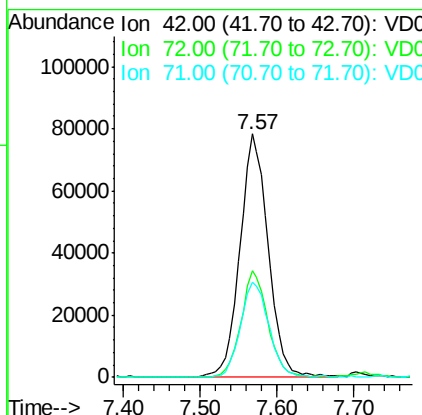
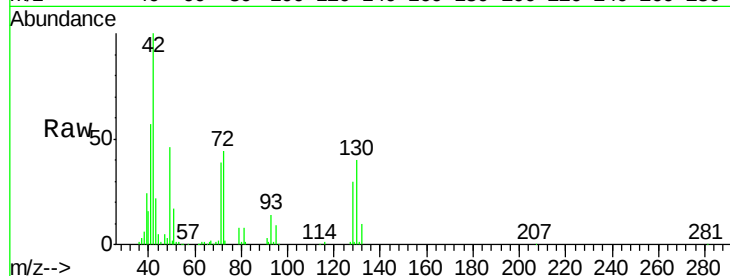
#29
Tetrahydrofuran
Concen: 232.347 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.7	50.5
71	39.2	31.4	47.2

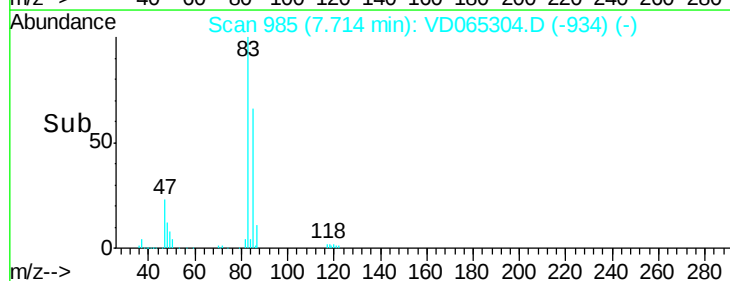
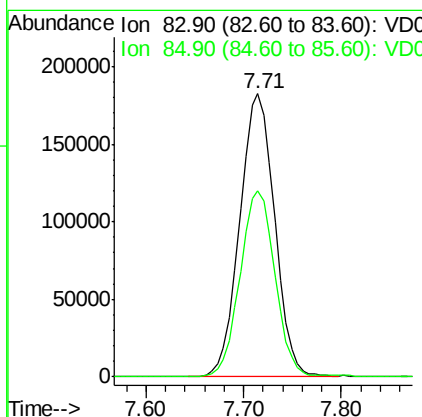
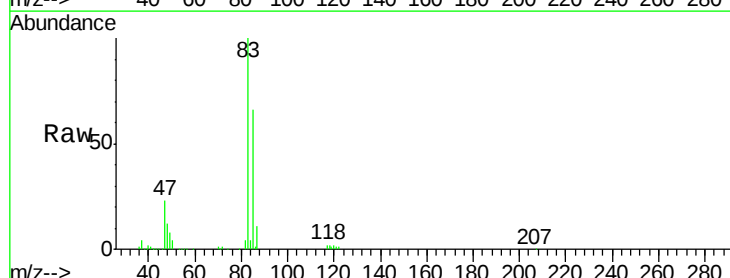
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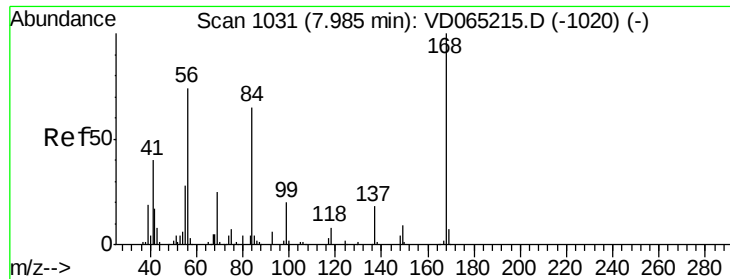
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#30
Chloroform
Concen: 46.923 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.8	52.3	78.5





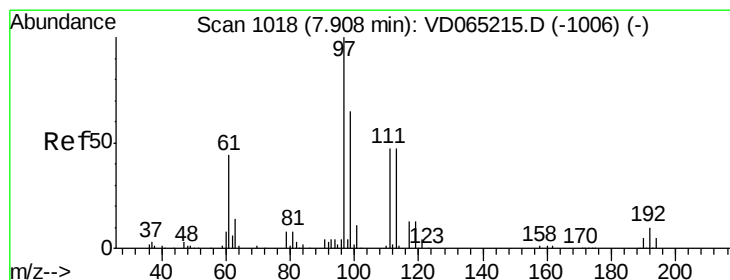
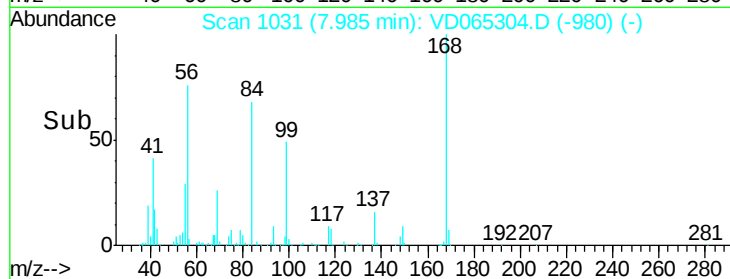
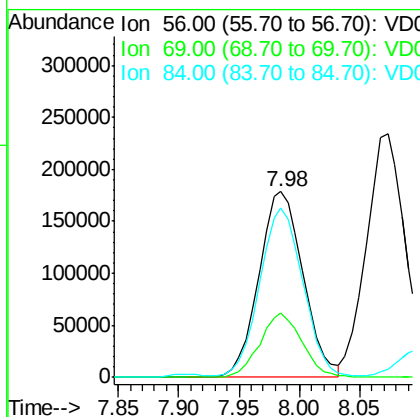
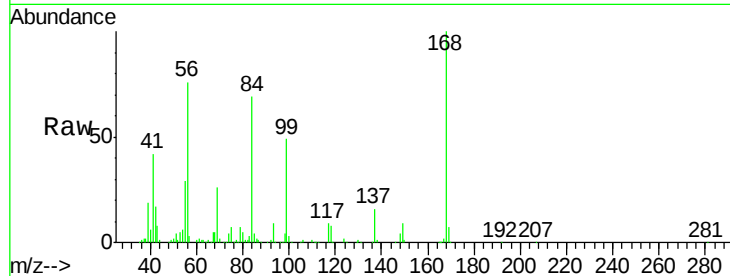
#31
Cyclohexane
Concen: 48.231 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	455423
Ion Ratio	100	Lower	Upper
56	100		
69	34.8	27.4	41.0
84	89.7	71.1	106.7

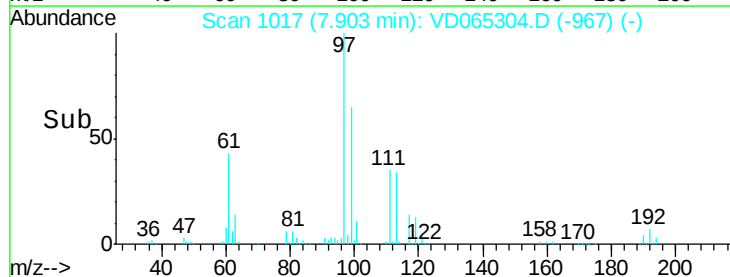
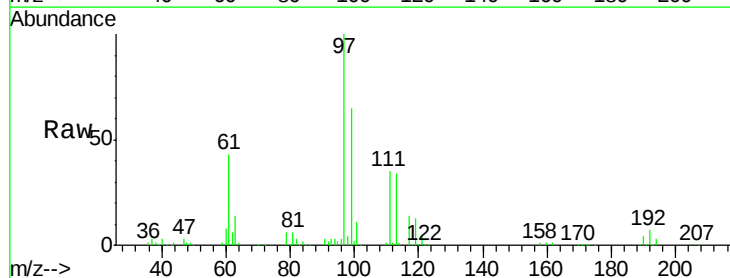
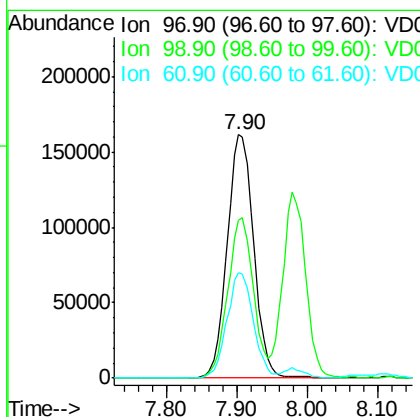
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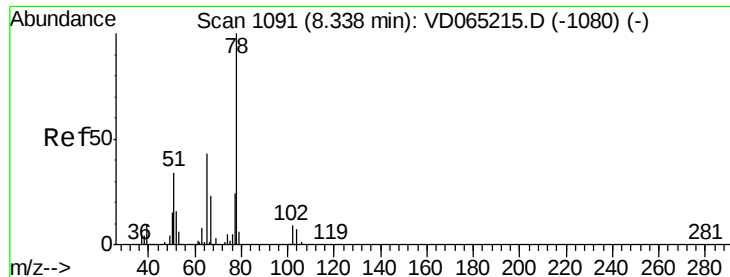
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#32
1,1,1-Trichloroethane
Concen: 48.663 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	97	Resp	421563
Ion Ratio	100	Lower	Upper
97	100		
99	63.7	51.4	77.2
61	42.9	34.8	52.2





#33

1,2-Dichloroethane-d4

Concen: 45.106 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 216617

Ion Ratio Lower Upper

65 100

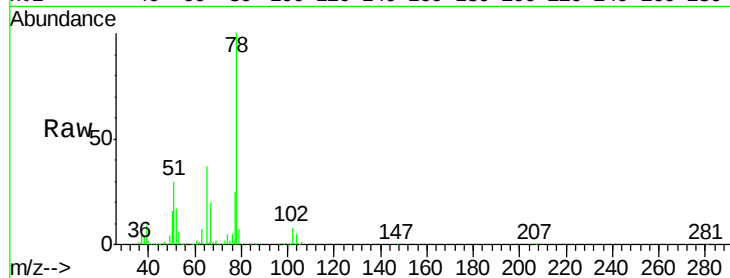
67 53.9 0.0 106.8

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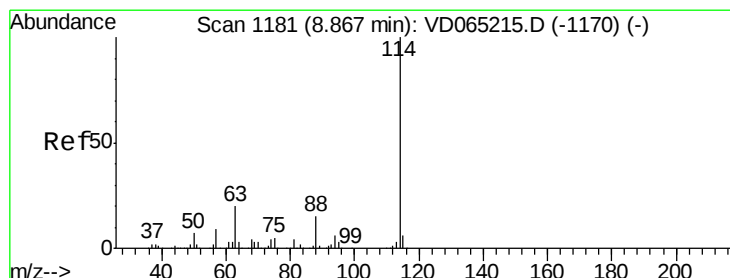
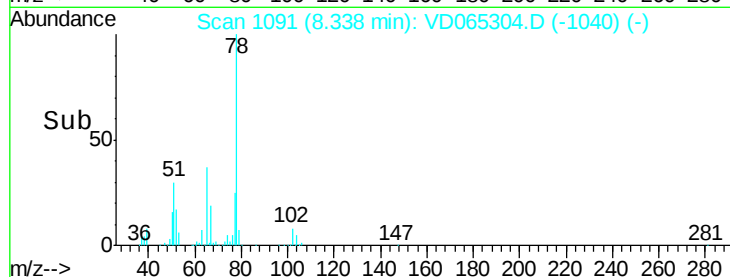
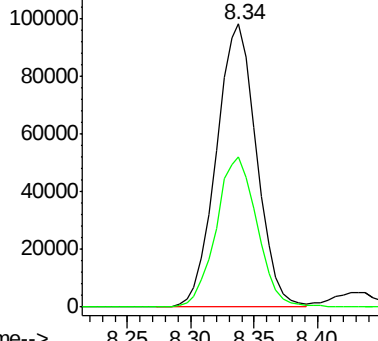
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

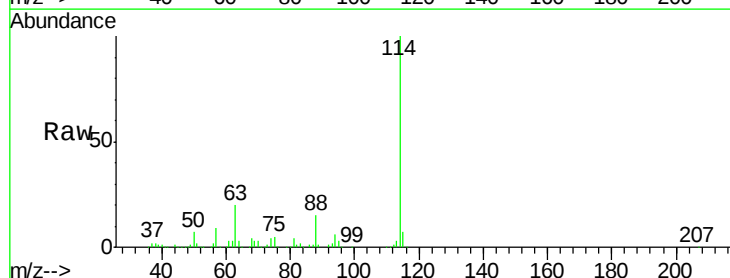
Tgt Ion: 114 Resp: 769733

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.4

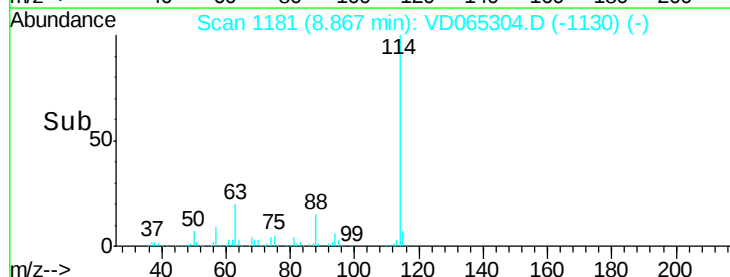
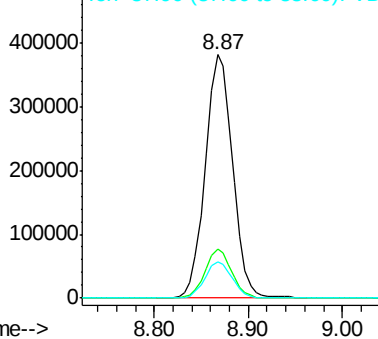
88 15.0 0.0 30.4

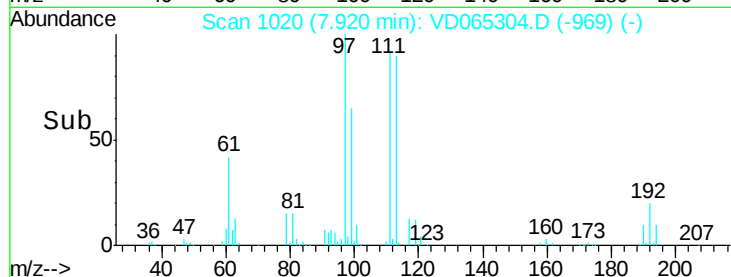
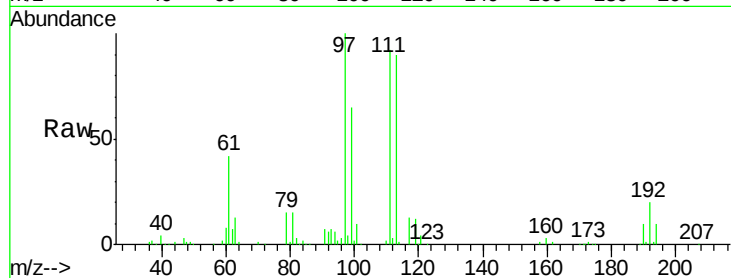
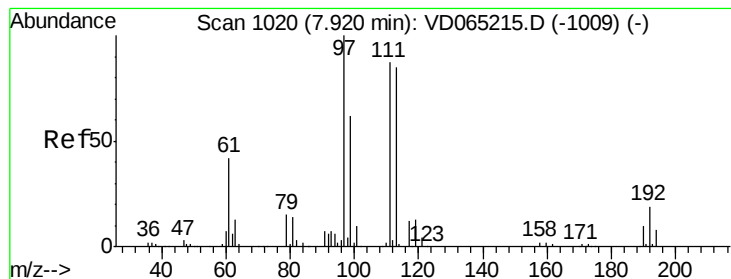


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 49.823 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tot Ion:	113	Resp:	233840
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.9	124.3
192	21.8	17.3	25.9

Instrument :

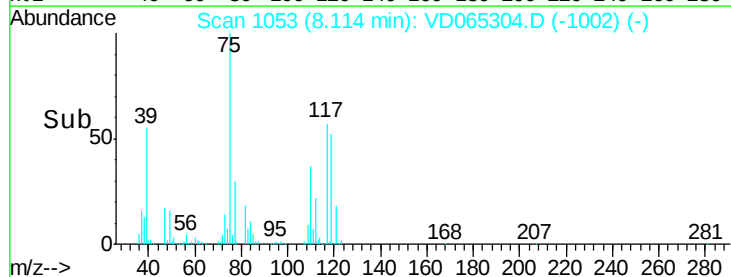
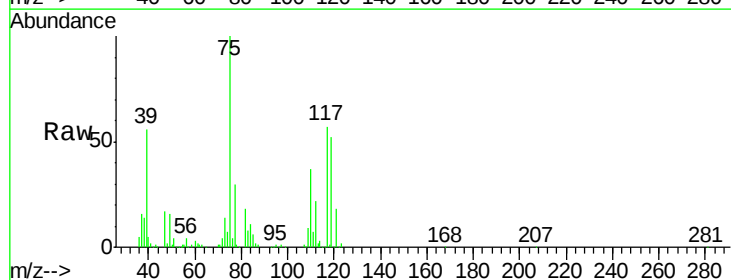
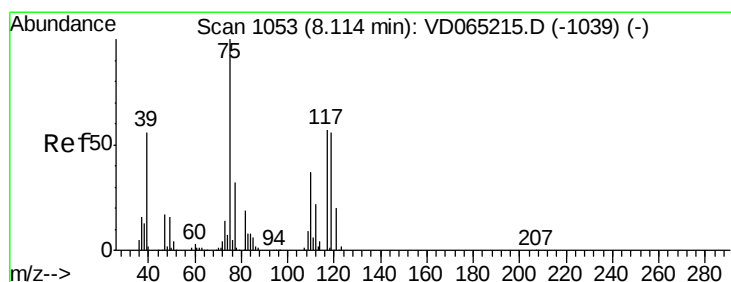
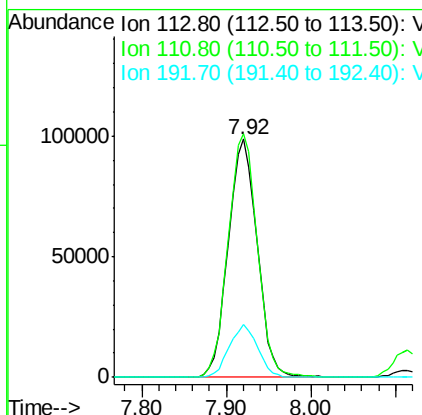
MSVOA_D

ClientSampleId :

VSTDCCC050

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#36

1,1-Dichloropropene

Concen: 51.334 ug/l

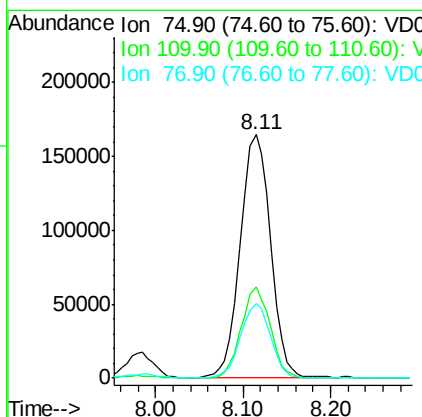
RT: 8.11 min Scan# 1053

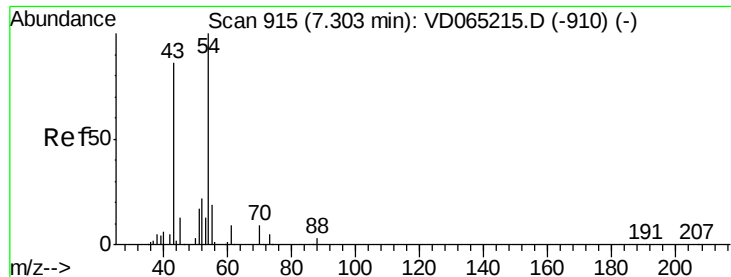
Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion:	75	Resp:	384467
Ion Ratio	Lower	Upper	
75	100		
110	35.9	17.9	53.7
77	30.7	25.1	37.7





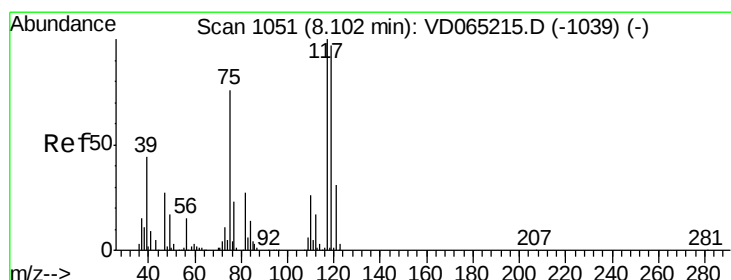
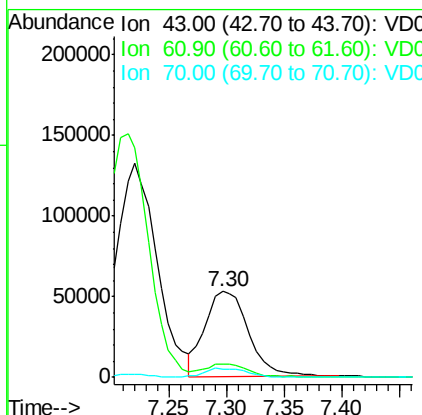
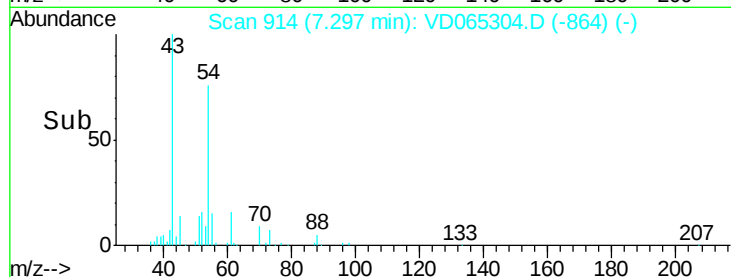
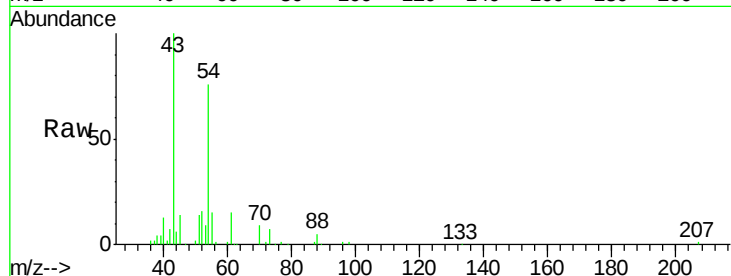
#37
Ethyl Acetate
Concen: 44.216 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.2	16.8
70	10.3	8.2	12.2

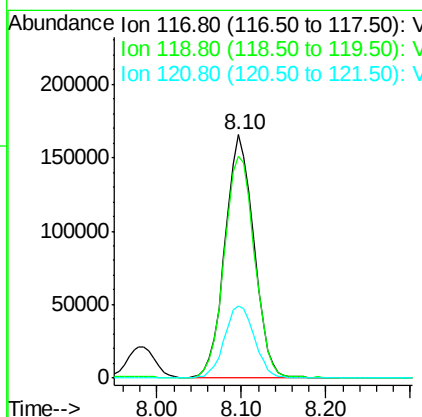
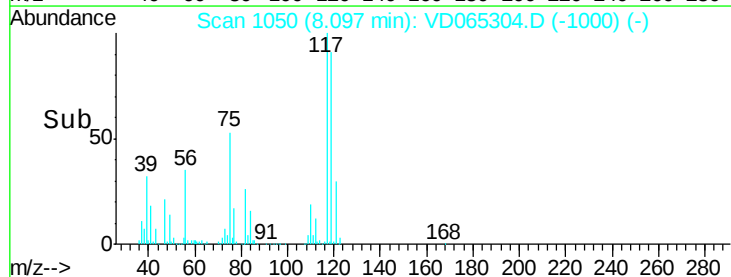
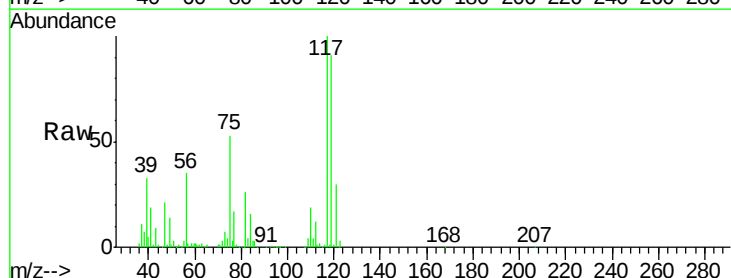
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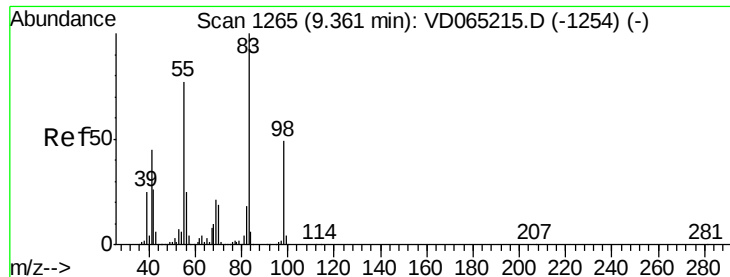
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#38
Carbon Tetrachloride
Concen: 51.208 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
119	90.8	77.6	116.4
121	29.8	24.8	37.2





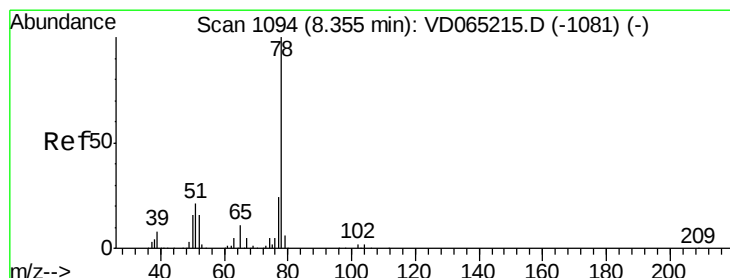
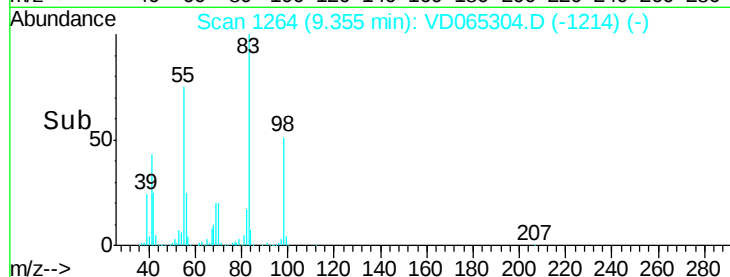
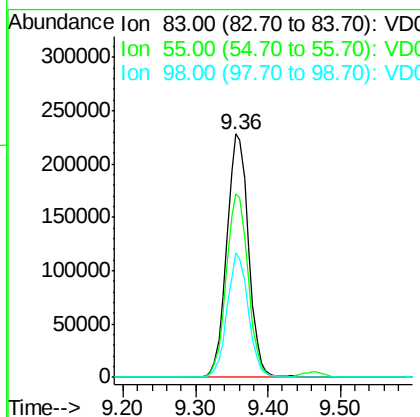
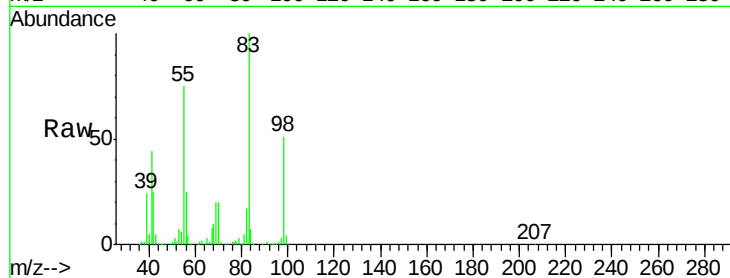
#39
Methvlcvclohexane
Concen: 54.160 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.4	61.8	92.6
98	51.0	39.4	59.0

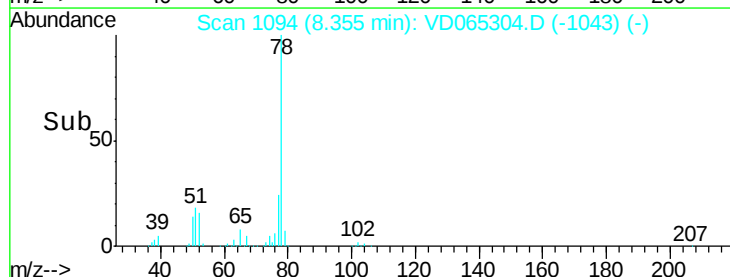
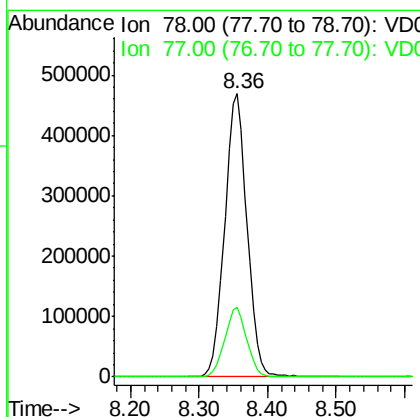
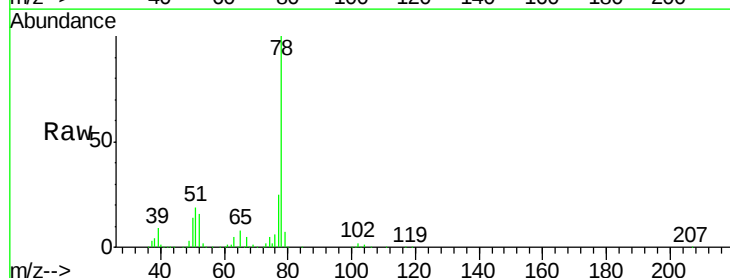
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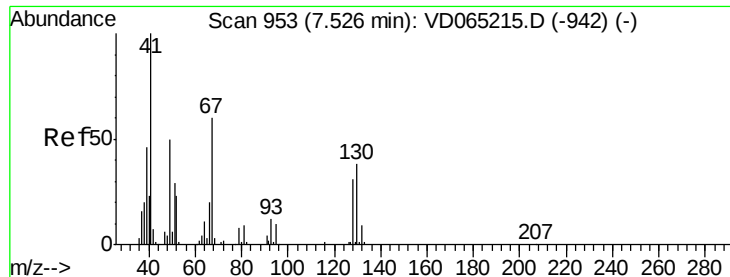
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#40
Benzene
Concen: 50.049 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.6





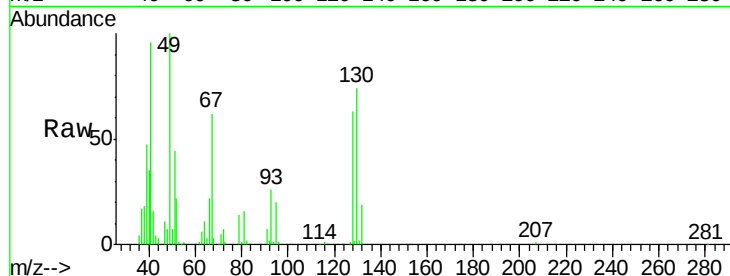
#41
Methacrylonitrile
Concen: 45.597 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

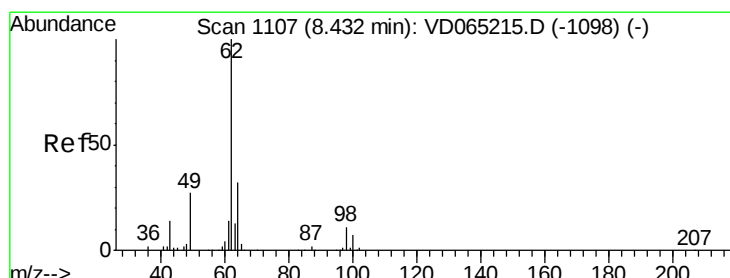
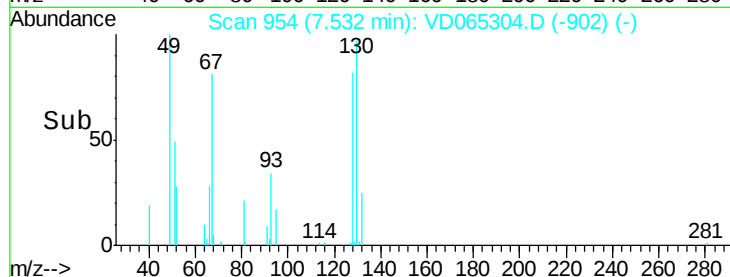
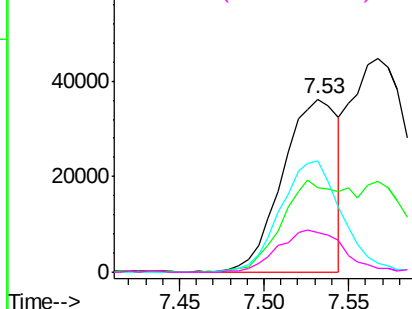
Tot Ion	41	Resp	82431
Ion	Ratio	Lower	Upper
41	100		
39	66.6	48.1	72.1
67	71.1	58.9	88.3
52	29.7	24.2	36.2

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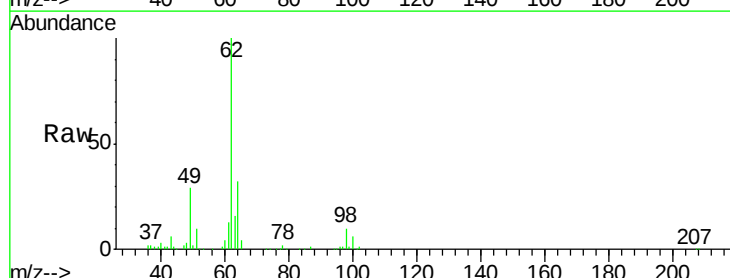


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

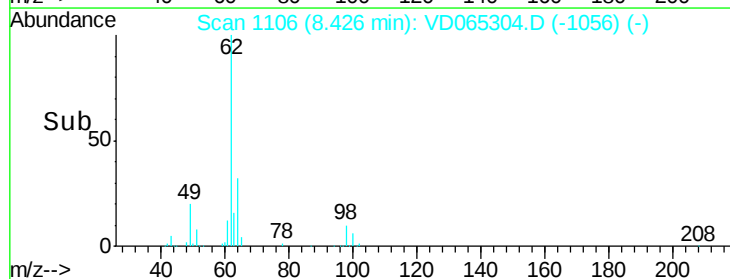
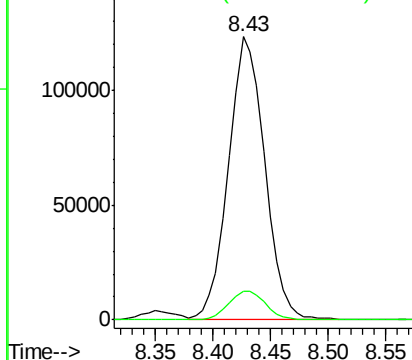


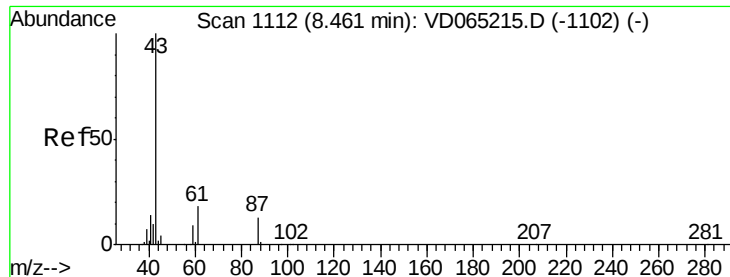
#42
1,2-Dichloroethane
Concen: 46.121 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	62	Resp	268037
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

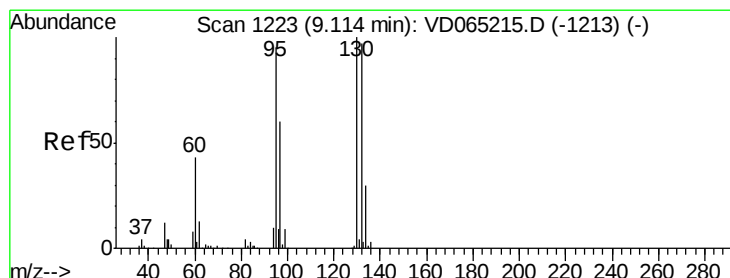
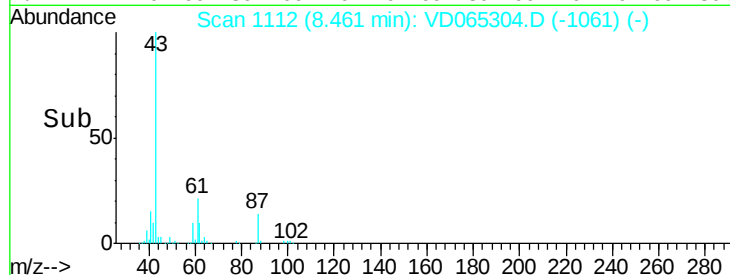
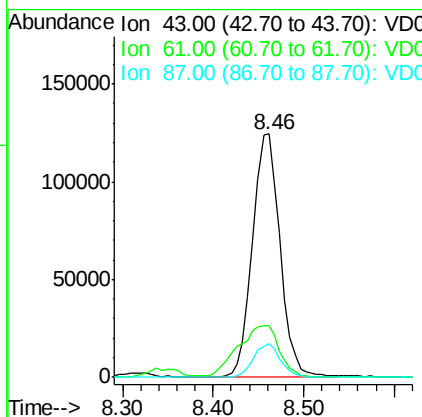
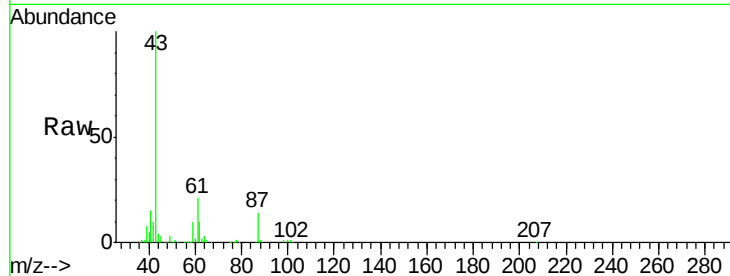
Isopropyl Acetate
 Concen: 46.402 ug/l
 RT: 8.46 min Scan# 1112
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.6	36.8
87	13.3	10.6	16.0

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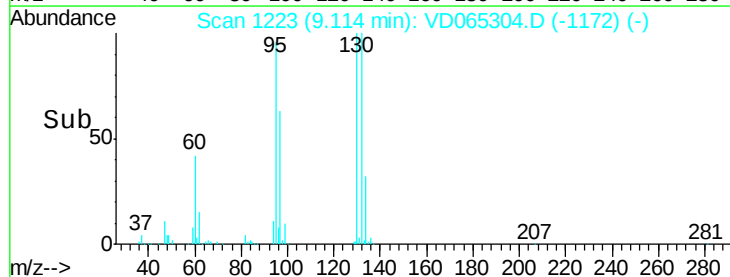
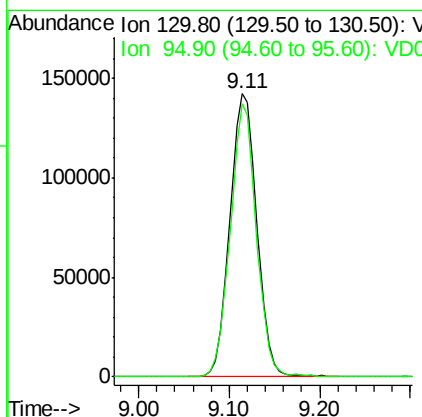
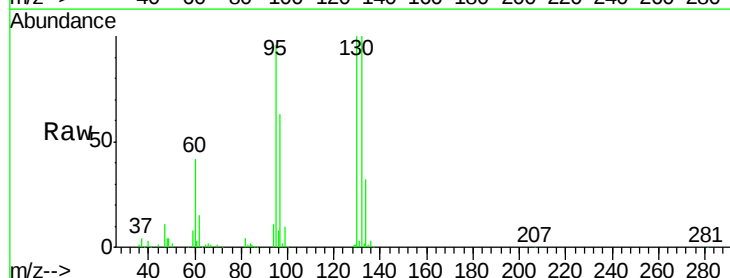
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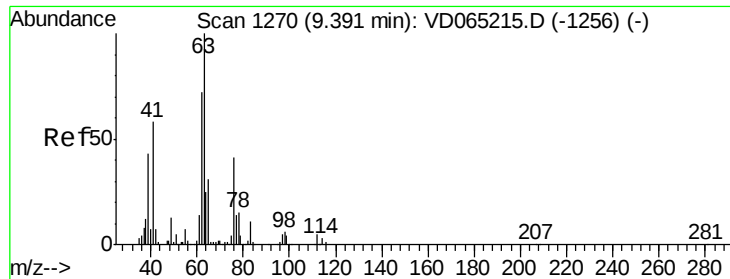


#44

Trichloroethene
 Concen: 50.416 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	190.6





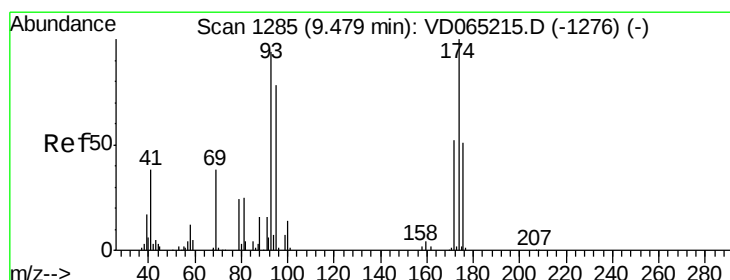
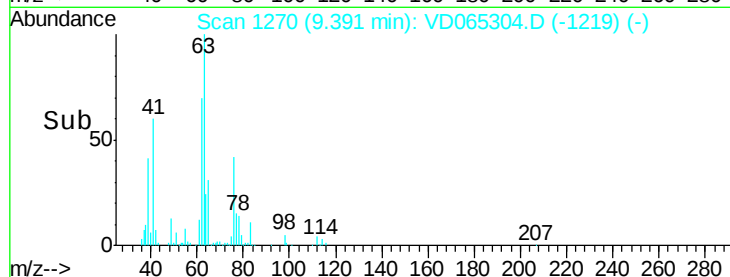
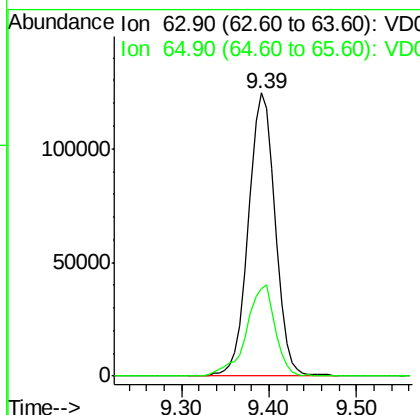
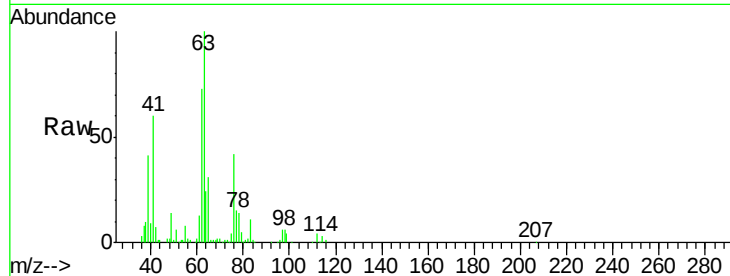
#45
 1,2-Dichloropropane
 Concen: 49.186 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	24.9	37.3

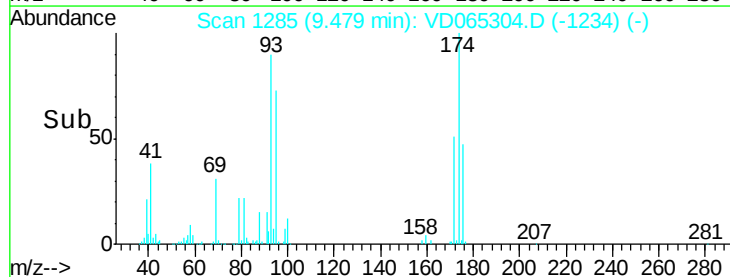
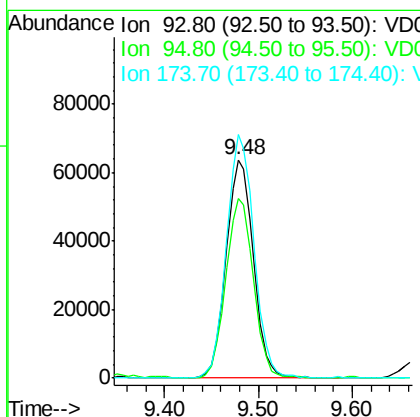
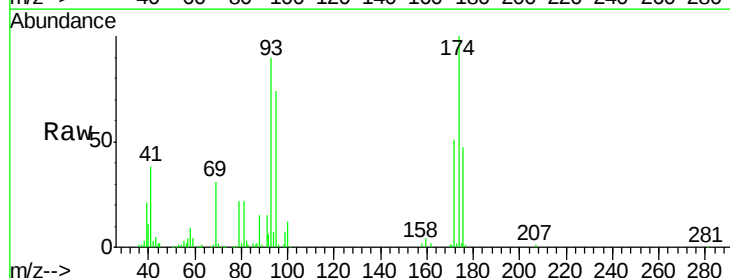
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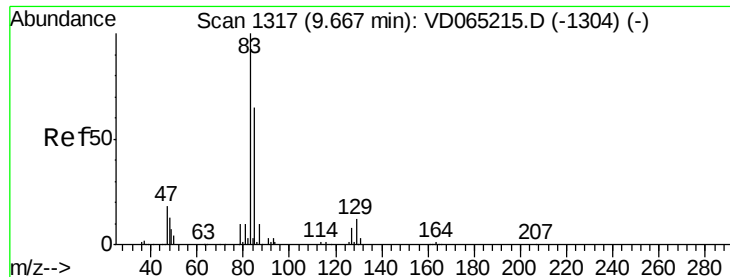
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#46
 Dibromomethane
 Concen: 47.728 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.8	98.6
174	112.0	86.8	130.2





#47

Bromodichloromethane

Concen: 48.501 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

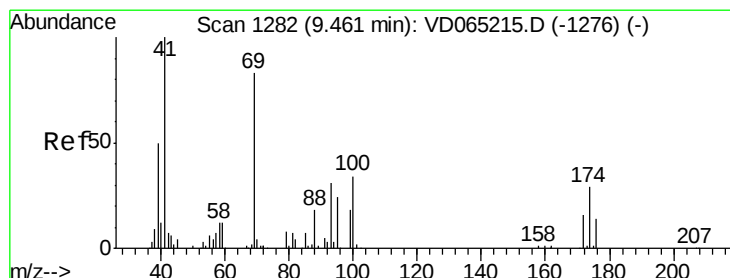
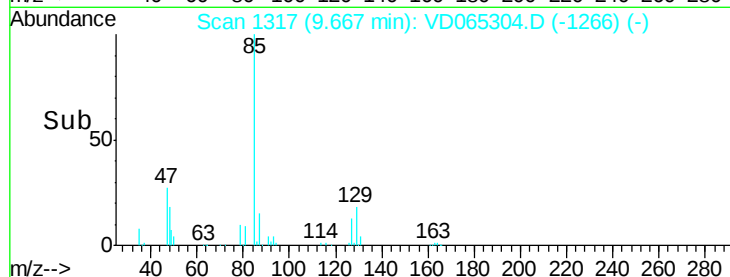
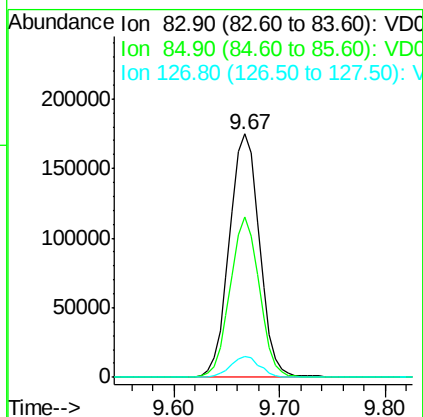
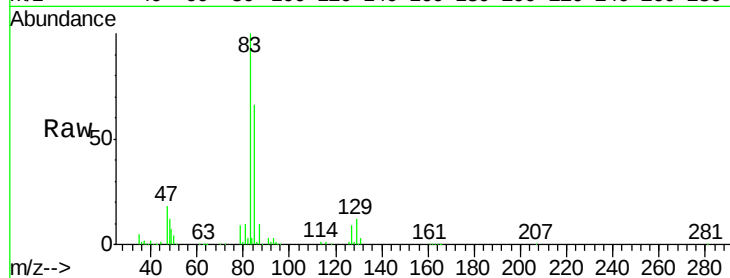
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	345697
Ion Ratio	Lower	Upper	
83	100		
85	66.1	52.0	78.0
127	8.6	6.7	10.1

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#48

Methyl methacrylate

Concen: 48.523 ug/l

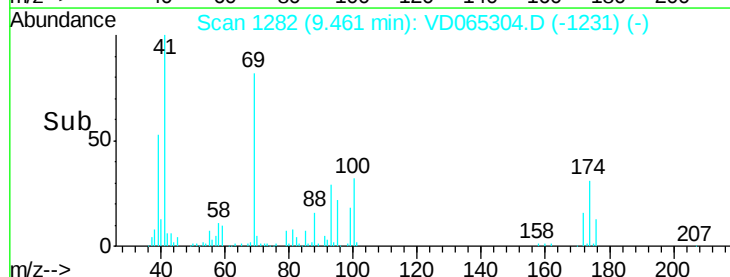
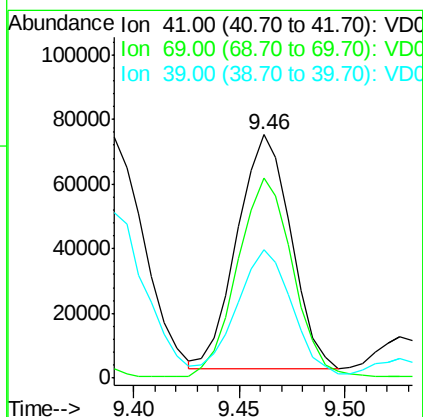
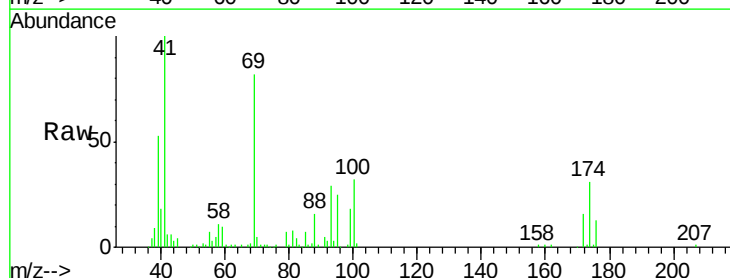
RT: 9.46 min Scan# 1282

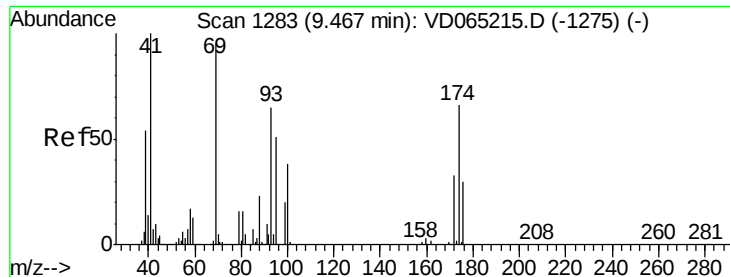
Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion:	41	Resp:	127699
Ion Ratio	Lower	Upper	
41	100		
69	89.1	68.2	102.2
39	53.6	42.0	63.0





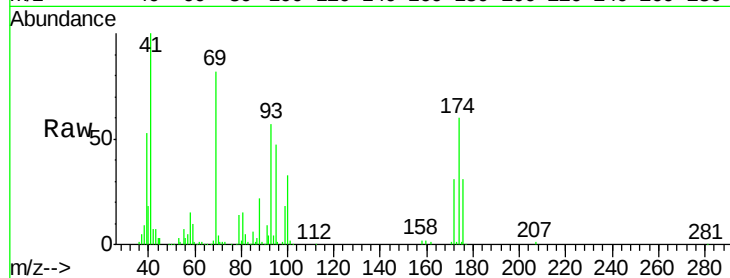
#49
1,4-Dioxane
Concen: 956.801 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

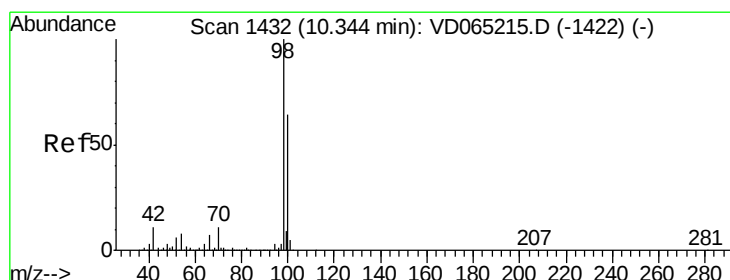
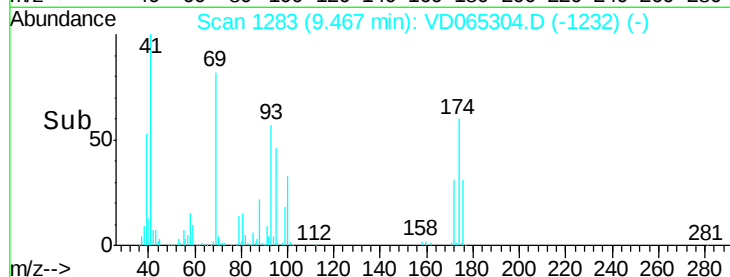
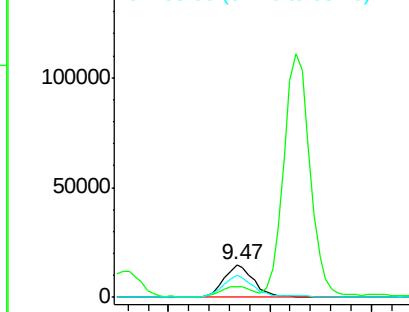
Tot Ion	Ratio	Lower	Upper
88	100		
43	32.7	28.5	42.7
58	66.7	58.6	87.8

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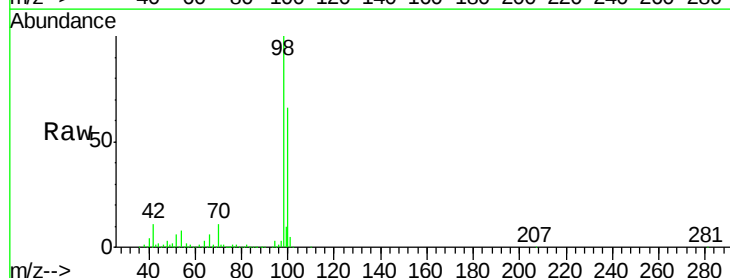


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

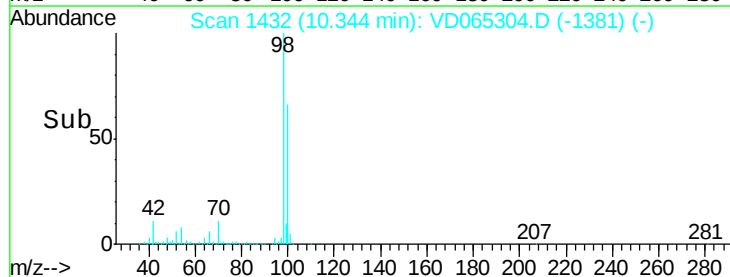
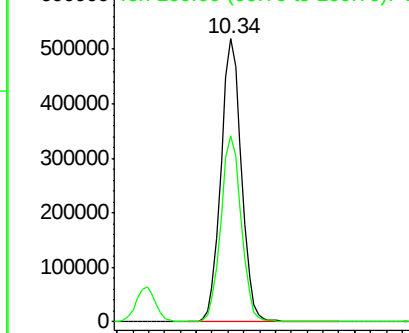


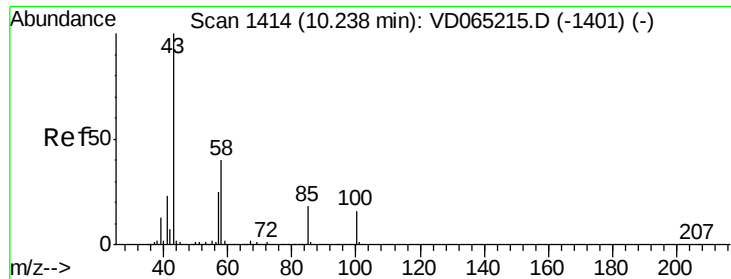
#50
Toluene-d8
Concen: 51.877 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.1	52.0	78.0



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





#51

4-Methyl-2-Pentanone

Concen: 240.404 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 695209

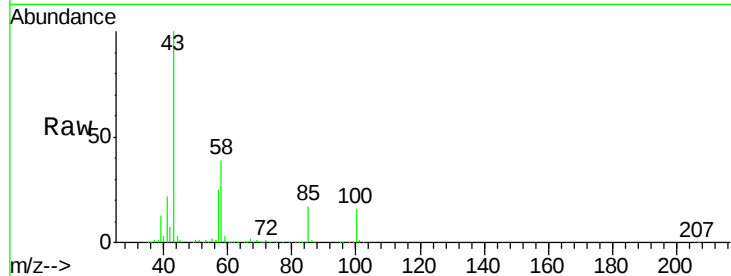
Ion Ratio Lower Upper

43 100

58 39.1 31.1 46.7

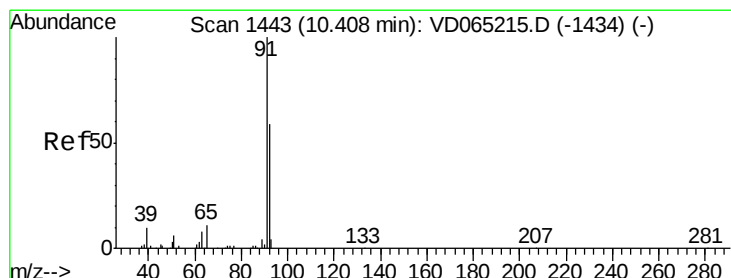
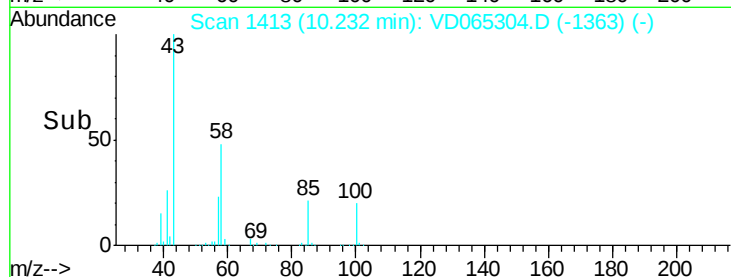
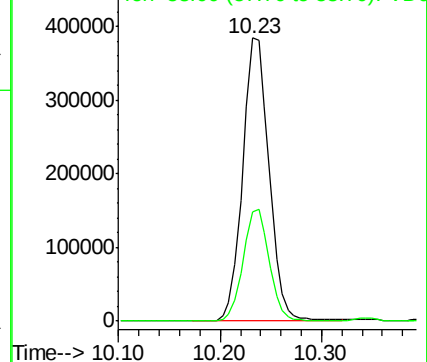
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 51.609 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065304.D

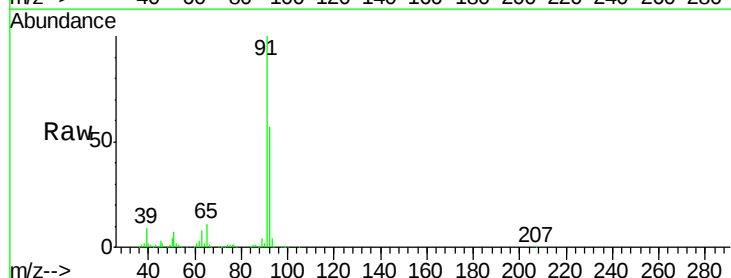
Acq: 25 Feb 2020 11:31

Tgt Ion: 92 Resp: 675312

Ion Ratio Lower Upper

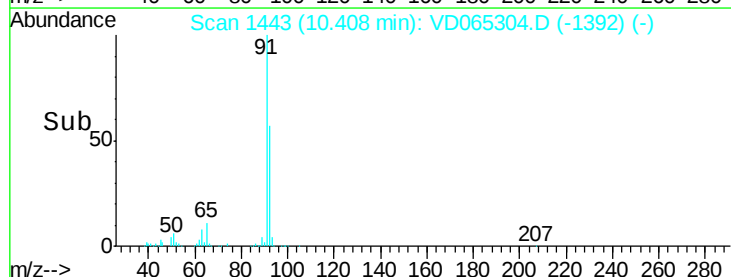
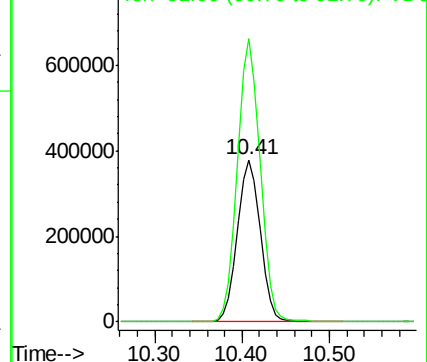
92 100

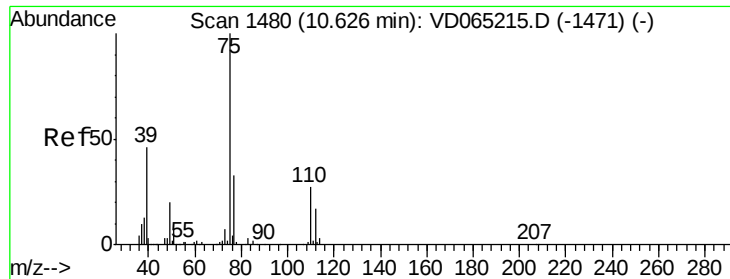
91 173.0 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





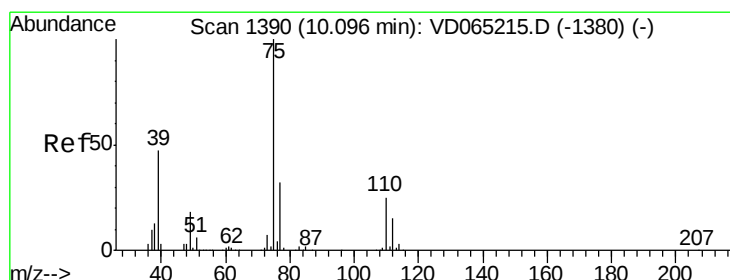
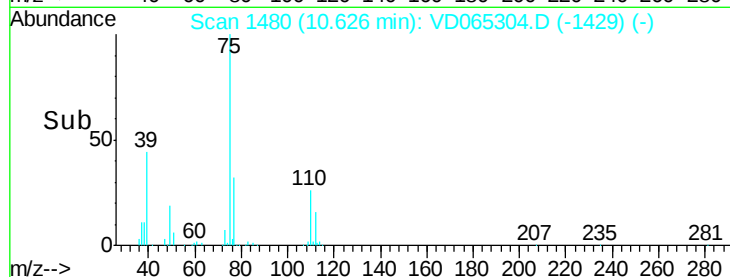
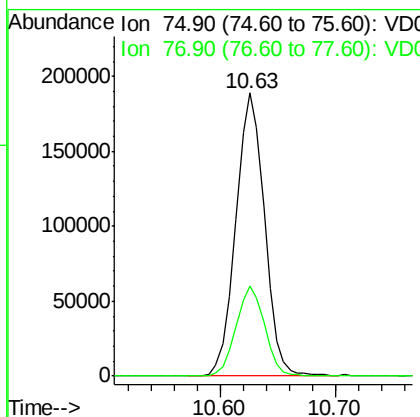
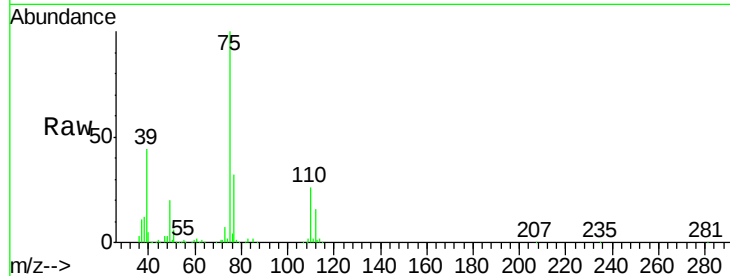
#53
t-1,3-Dichloropropene
Concen: 49.237 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.7	26.6	40.0

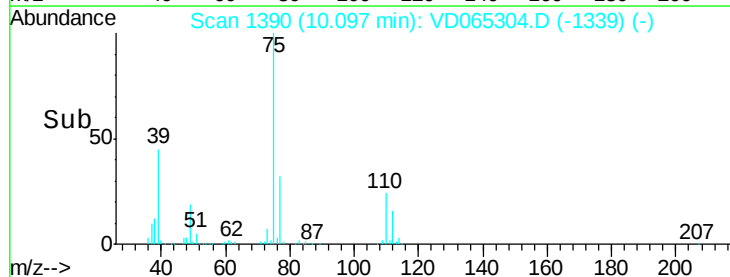
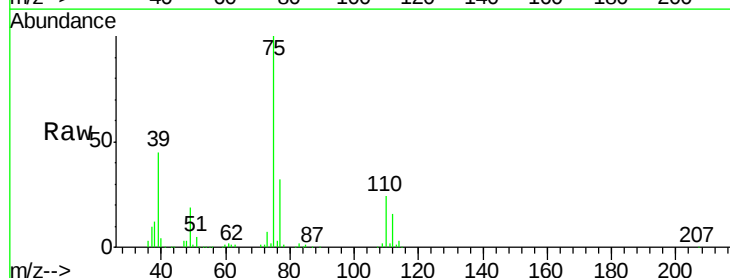
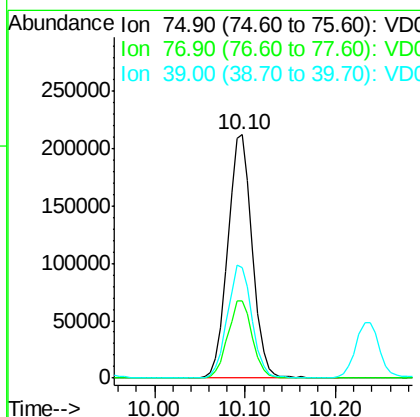
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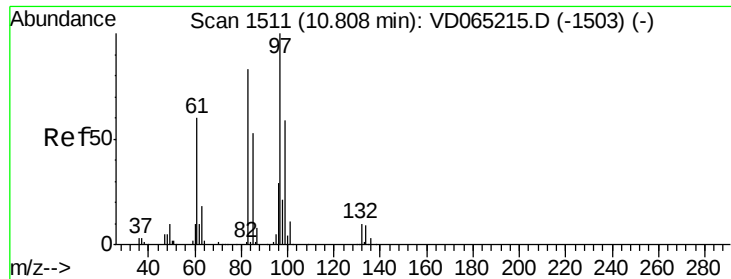
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#54
cis-1,3-Dichloropropene
Concen: 49.962 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.8	38.8
39	45.1	37.3	55.9





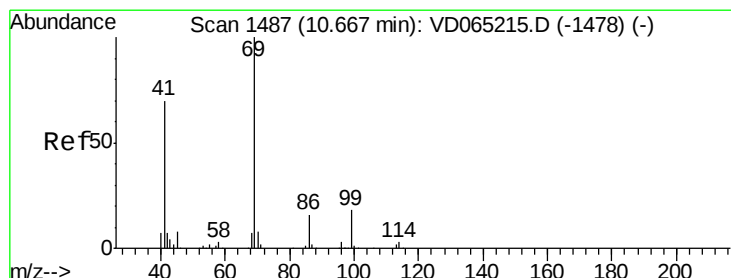
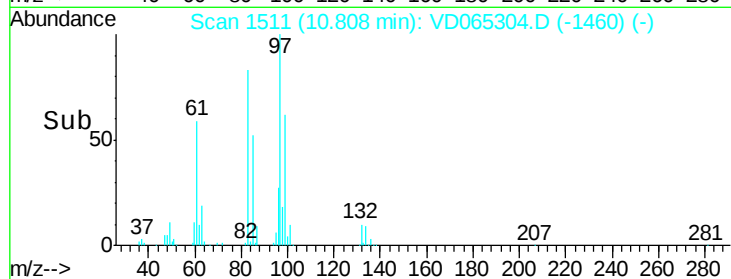
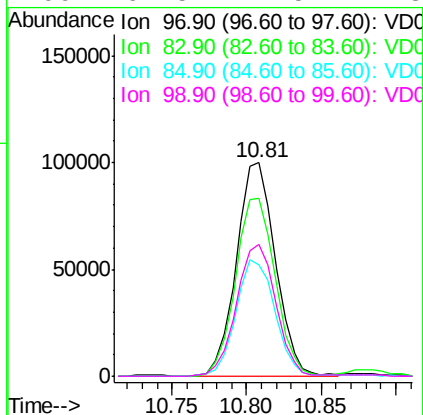
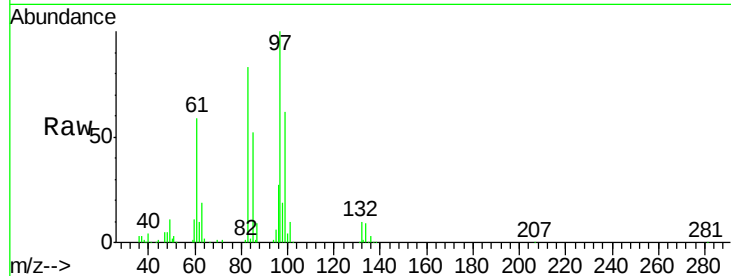
#55
 1,1,2-Trichloroethane
 Concen: 47.767 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	181837
Ion	Ratio	Lower	Upper
97	100		
83	83.3	66.7	100.1
85	52.2	42.4	63.6
99	61.5	47.5	71.3

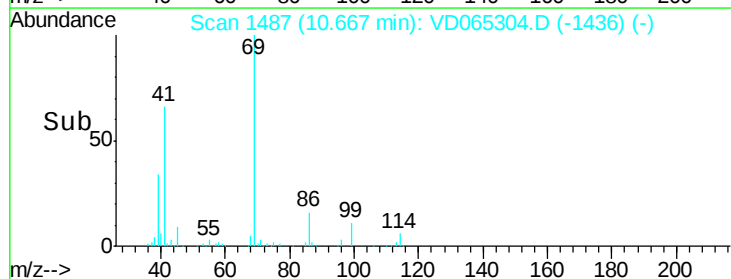
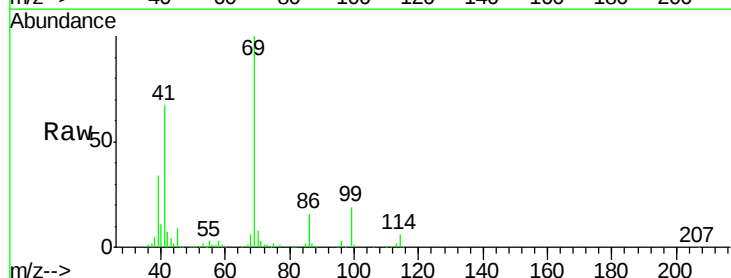
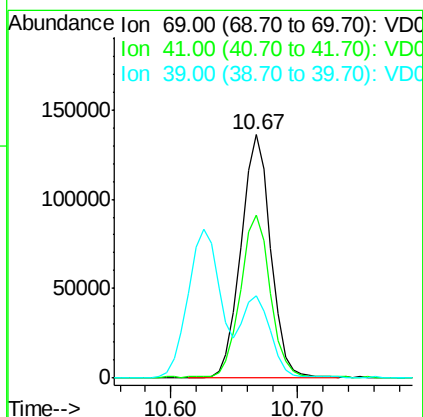
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#56
 Ethyl methacrylate
 Concen: 50.450 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion:	69	Resp:	221670
Ion	Ratio	Lower	Upper
69	100		
41	67.1	54.6	81.8
39	31.7	26.5	39.7





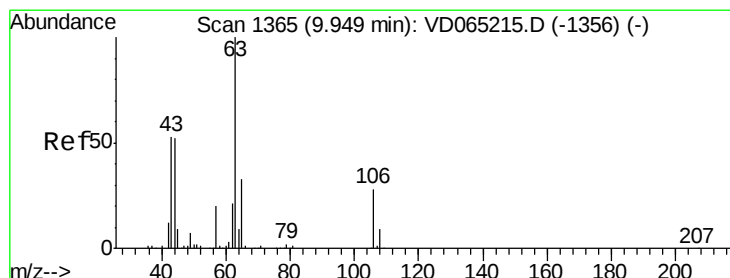
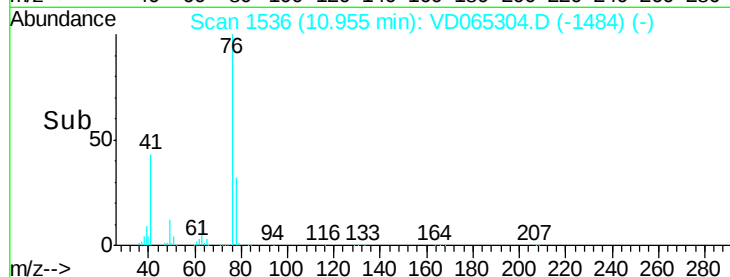
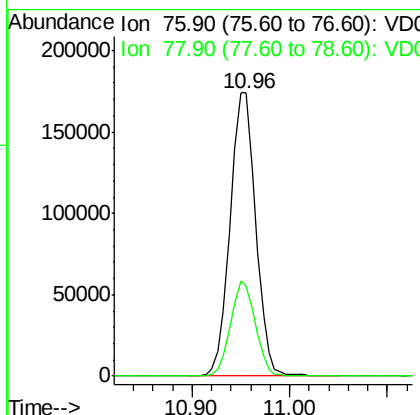
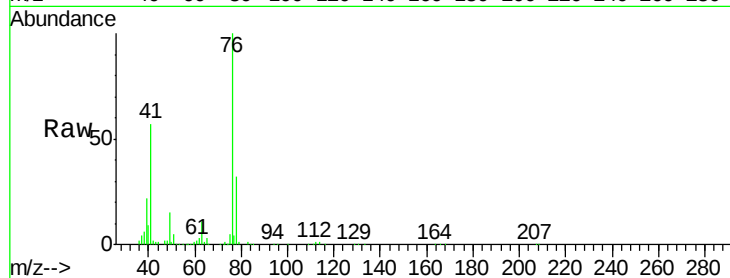
#57
 1,3-Dichloropropane
 Concen: 49.112 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 318203
 Ion Ratio Lower Upper
 76 100
 78 32.4 26.3 39.5

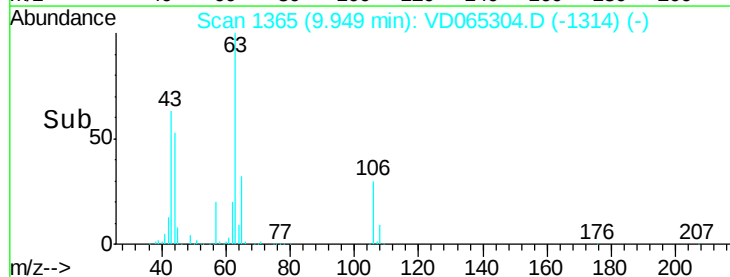
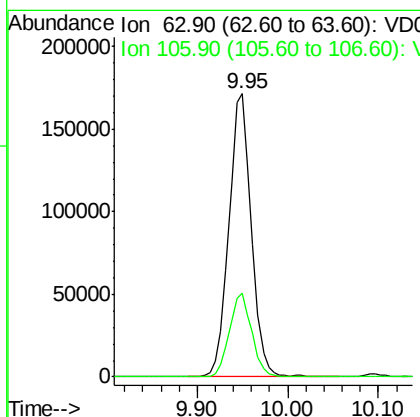
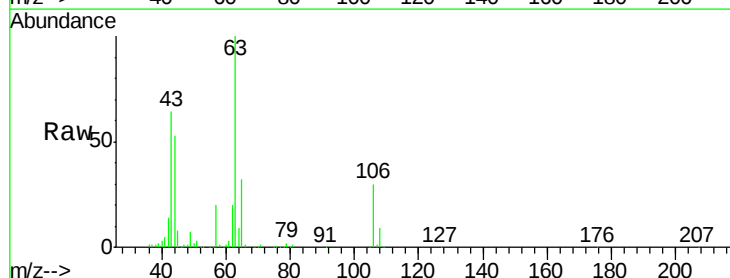
Manual Integrations
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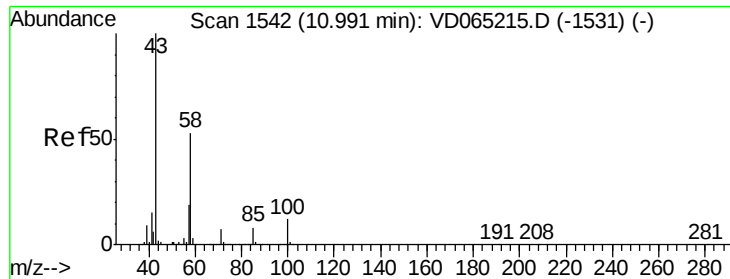
MMDadoda
 2/26/2020 10:25:38 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 213.436 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion: 63 Resp: 295665
 Ion Ratio Lower Upper
 63 100
 106 29.5 22.8 34.2





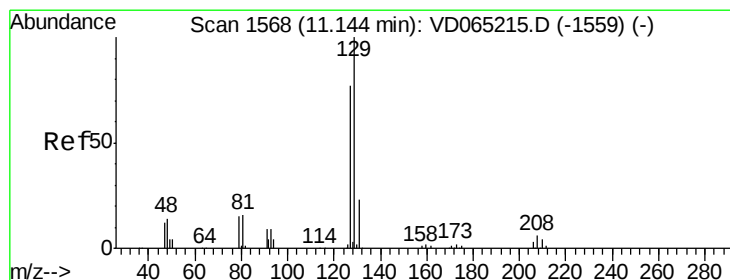
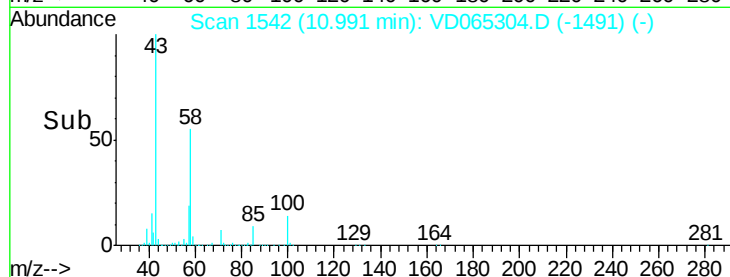
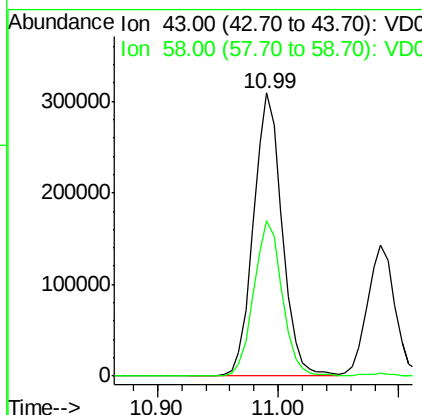
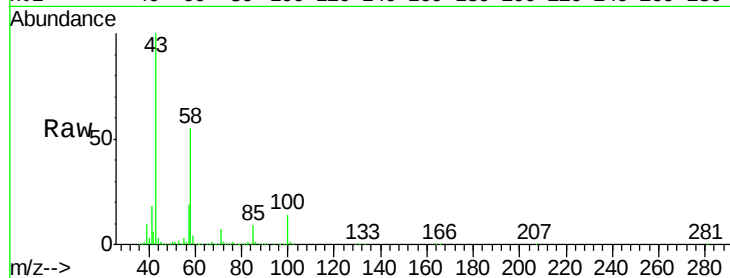
#59
2-Hexanone
Concen: 245.979 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	26.3	78.8

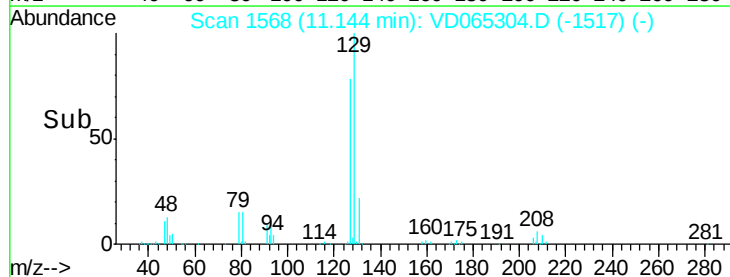
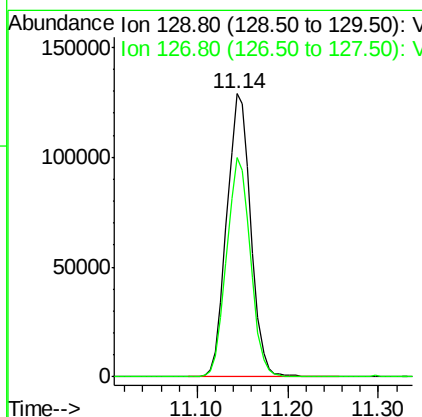
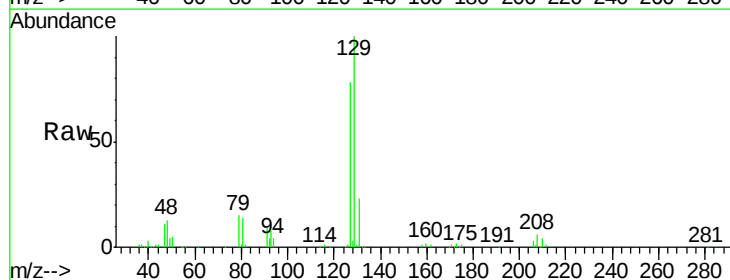
Manual Integrations
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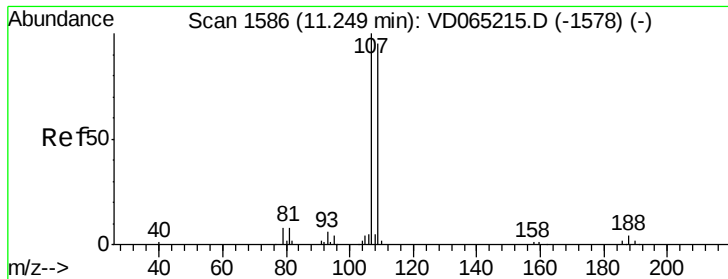
MMDadoda
2/26/2020 10:25:38 AM



#60
Dibromochloromethane
Concen: 48.738 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	38.7	116.1





#61

1,2-Dibromoethane

Concen: 48.457 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 107 Resp: 174654

Ion Ratio Lower Upper

107 100

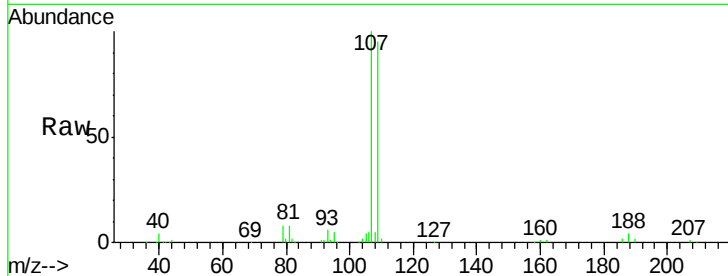
109 93.4 76.2 114.4

Manual Integrations

APPROVED

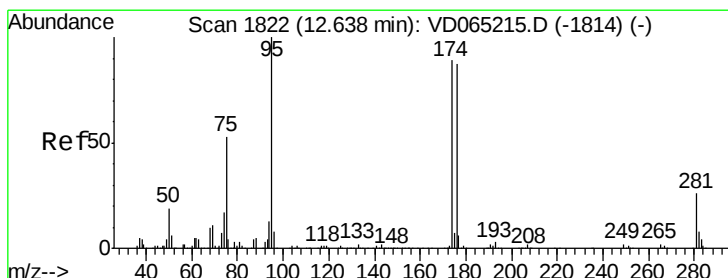
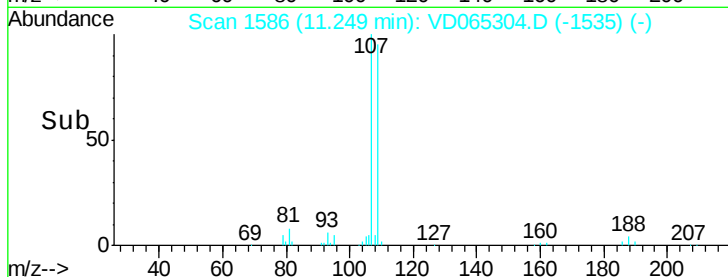
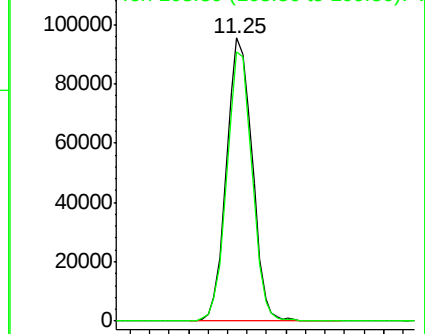
MMDadoda

2/26/2020 10:25:38 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.977 ug/l

RT: 12.64 min Scan# 1823

Delta R.T. 0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

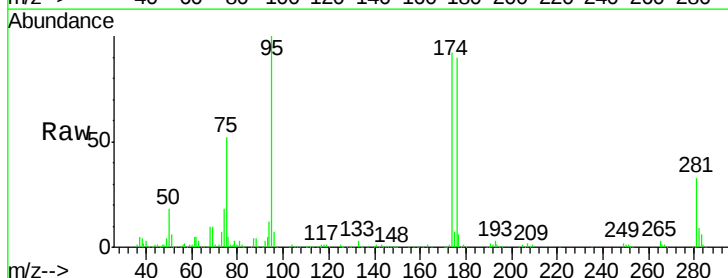
Tgt Ion: 95 Resp: 289755

Ion Ratio Lower Upper

95 100

174 88.6 0.0 178.0

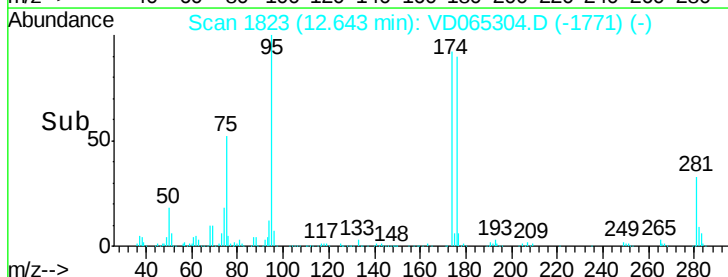
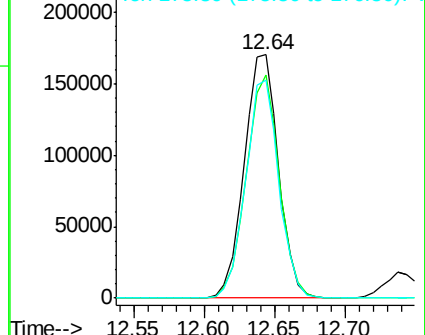
176 86.7 0.0 174.4

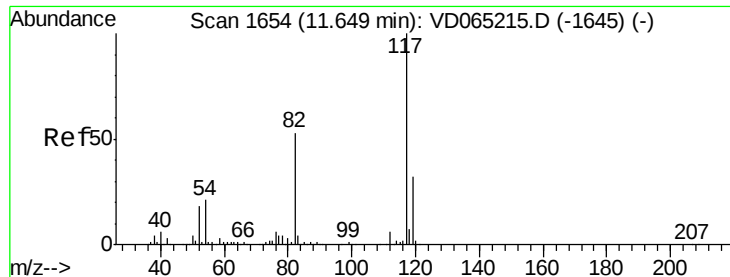


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





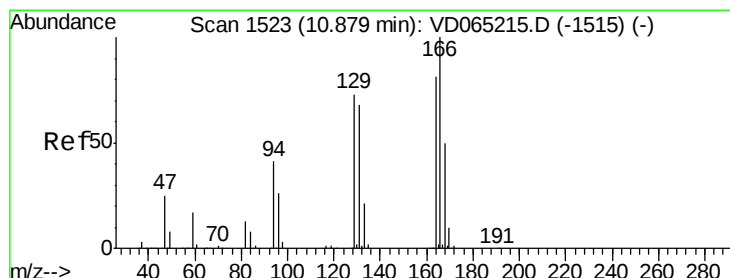
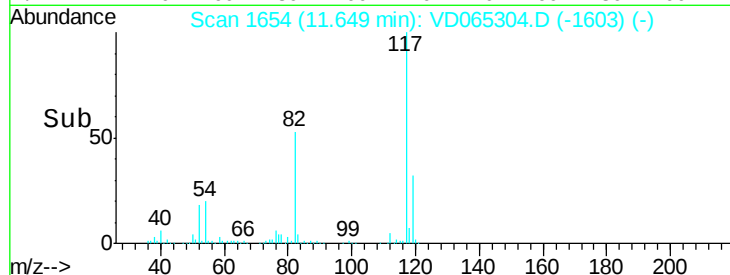
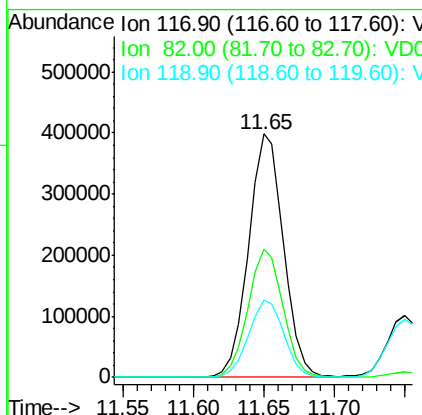
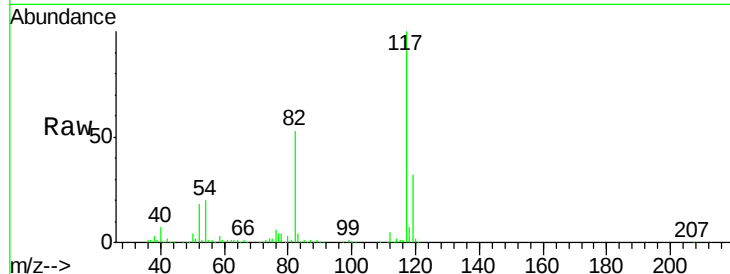
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	690737		
82	52.8		42.7	64.1
119	31.5		25.5	38.3

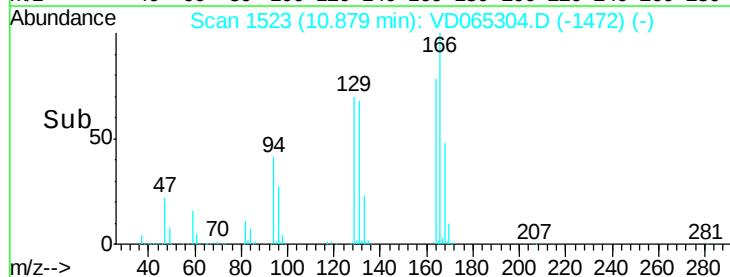
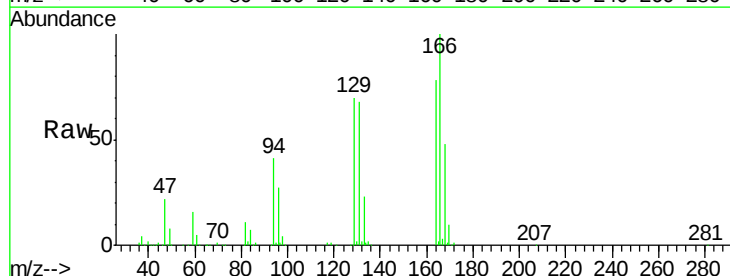
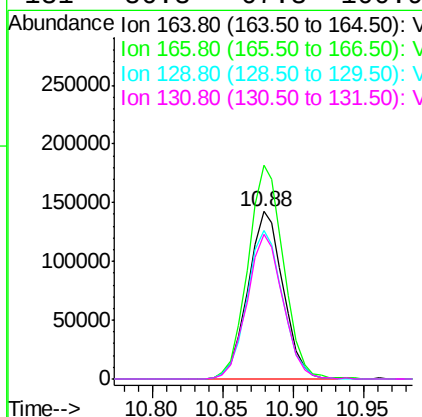
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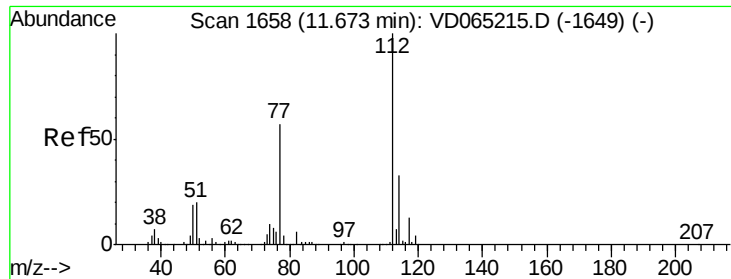
MMDadoda
2/26/2020 10:25:38 AM



#64
Tetrachloroethene
Concen: 51.029 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	249987		
166	127.6		98.4	147.6
129	88.9		71.6	107.4
131	86.3		67.3	100.9





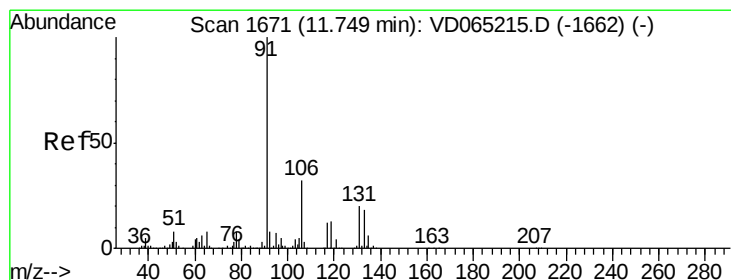
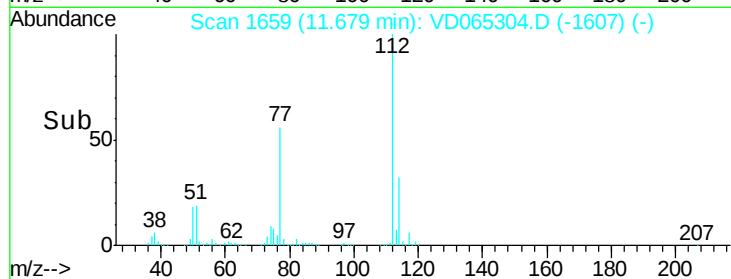
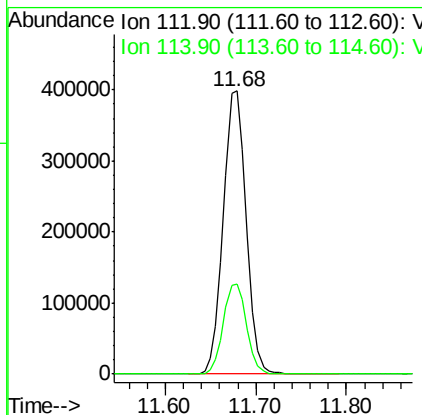
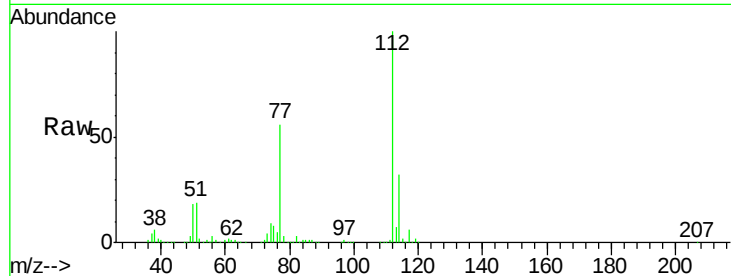
#65
Chlorobenzene
Concen: 50.427 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
112	100	698990		
114	31.9	26.4	39.6	

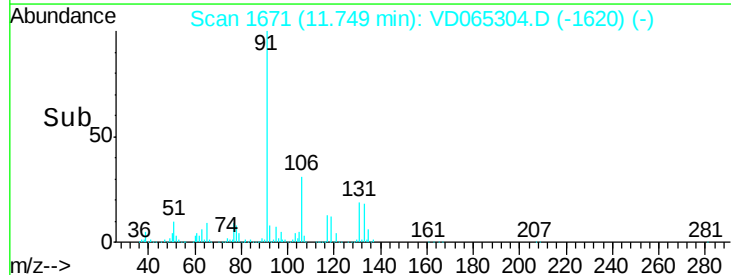
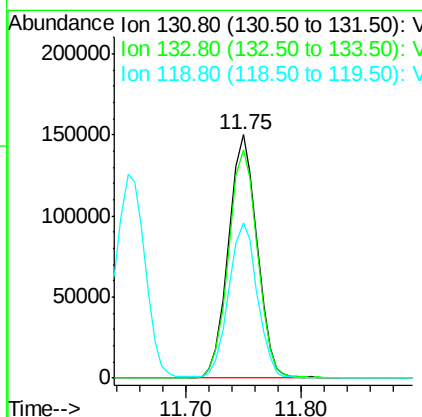
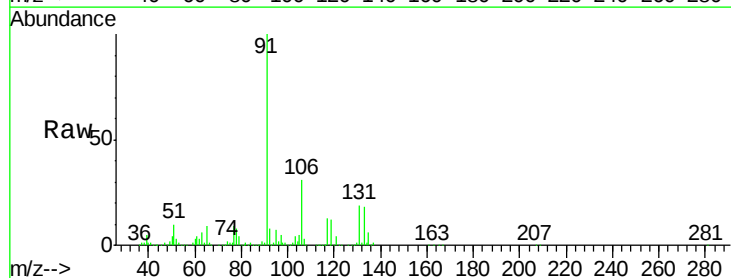
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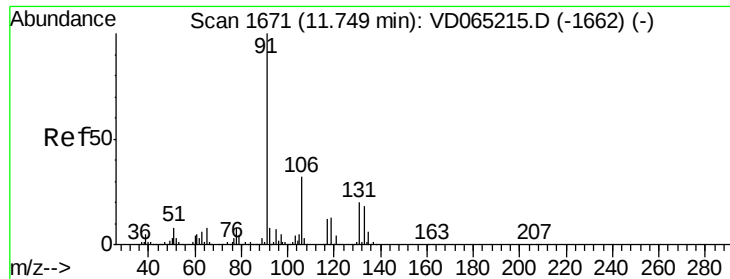
MMDadoda
2/26/2020 10:25:38 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.926 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
131	100	258250		
133	94.7	47.7	143.1	
119	63.7	32.7	98.1	





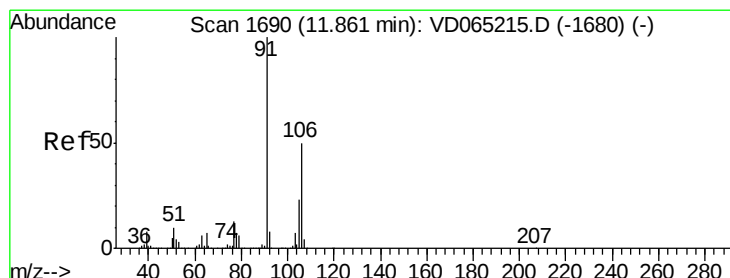
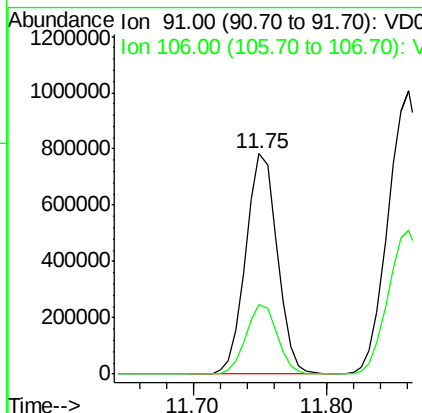
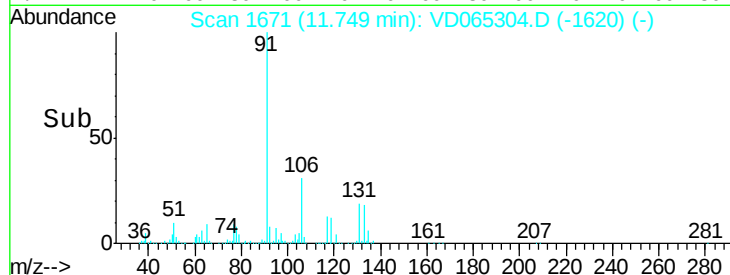
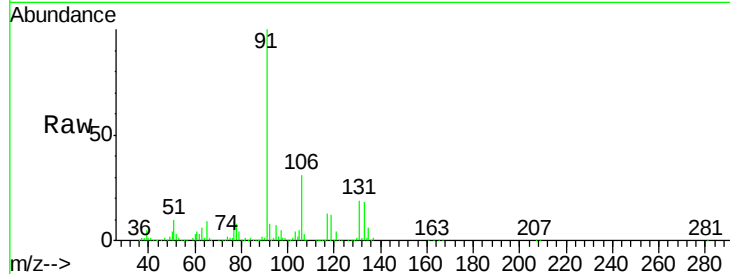
#67
Ethyl Benzene
Concen: 52.543 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1275562
Ion Ratio Lower Upper
91 100
106 31.4 25.2 37.8

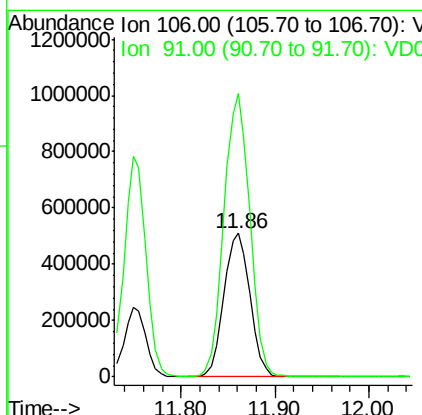
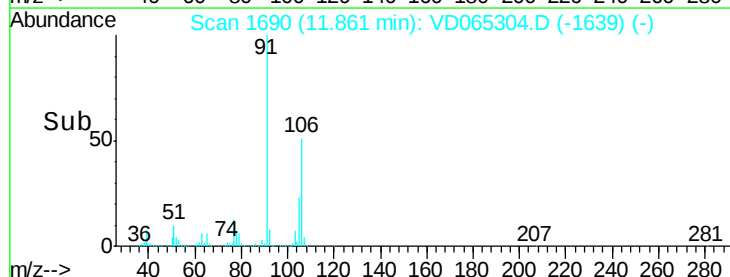
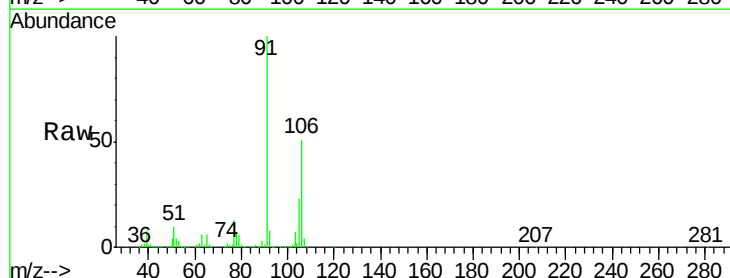
Manual Integrations
APPROVED

MMDadoda
2/26/2020 10:25:38 AM



#68
m/p-Xylenes
Concen: 105.639 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 106 Resp: 981179
Ion Ratio Lower Upper
106 100
91 196.8 158.2 237.4





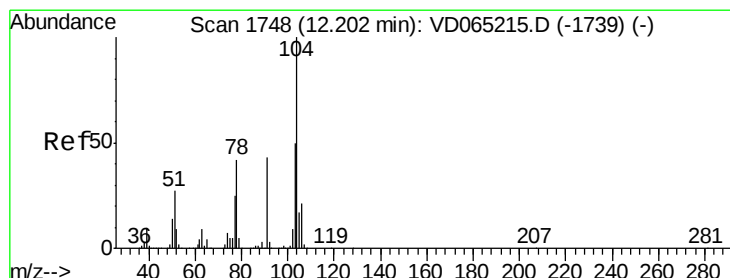
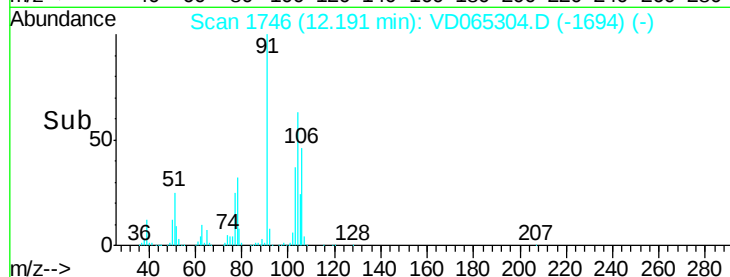
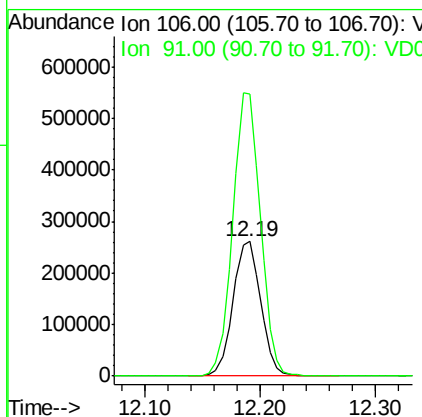
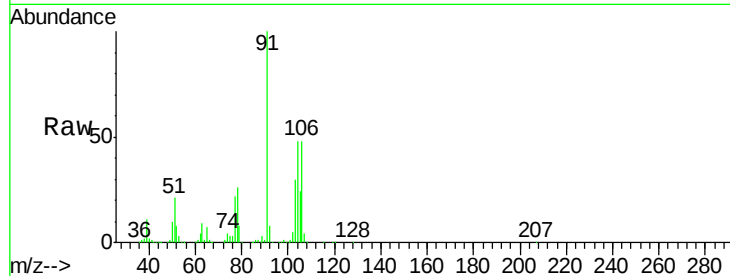
#69
o-Xylene
Concen: 52.842 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100				
91	210.1	104.7	434822	313.9	

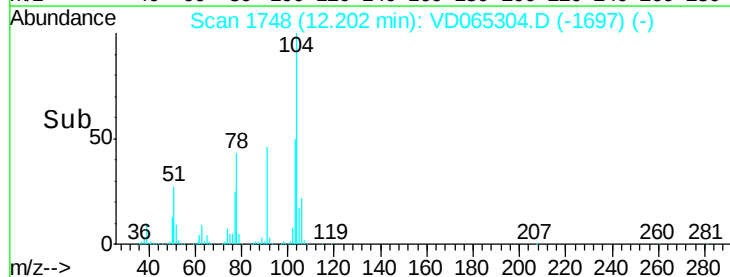
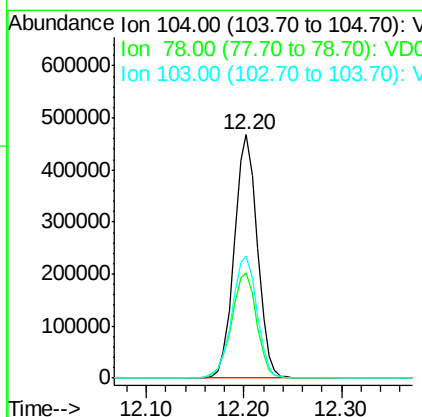
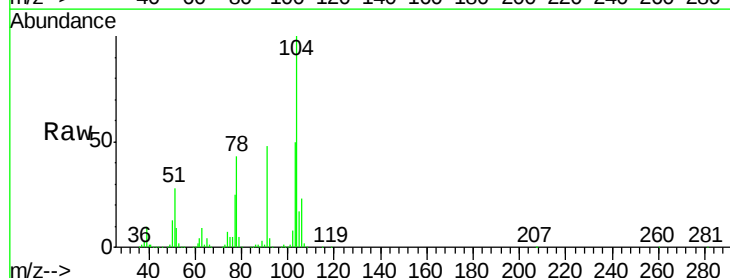
Manual Integrations
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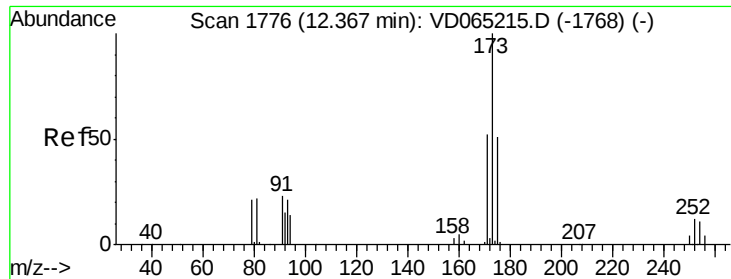
MMDadoda
2/26/2020 10:25:38 AM



#70
Styrene
Concen: 52.423 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100				
78	47.1	37.8	765889	56.6	
103	54.6	43.4		65.2	





#71

Bromoform

Concen: 47.439 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

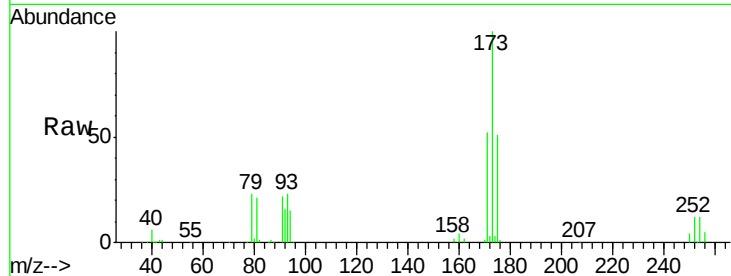
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	24.4	73.4
254	0.1	0.0	0.0

Manual Integrations
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2/26/2020 10:25:38 AM

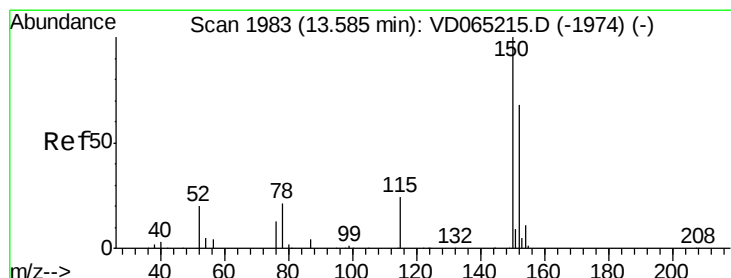
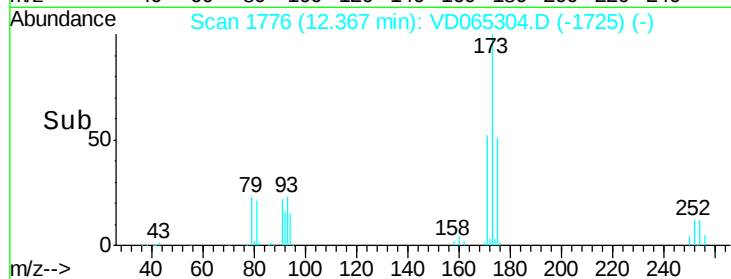
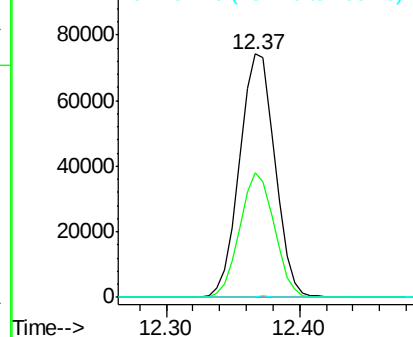


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

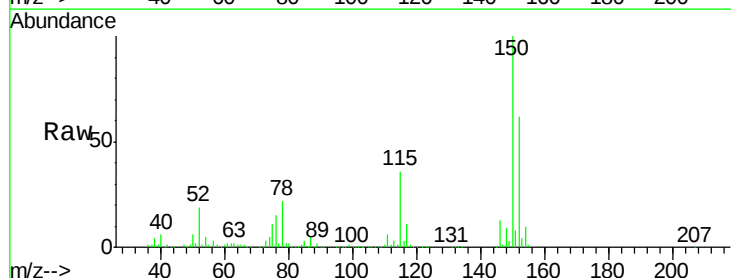
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	27.6	82.8
150	173.0	0.0	347.4

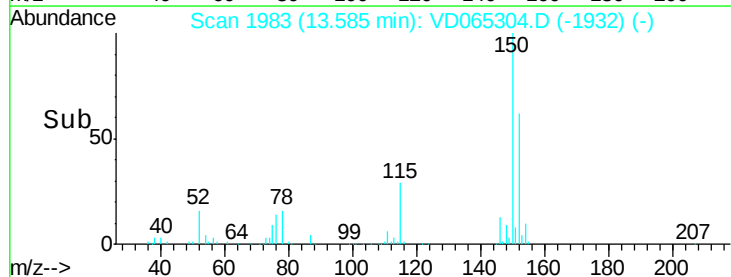
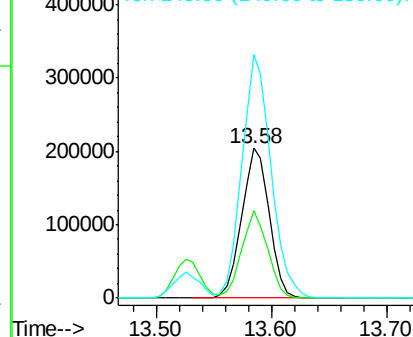


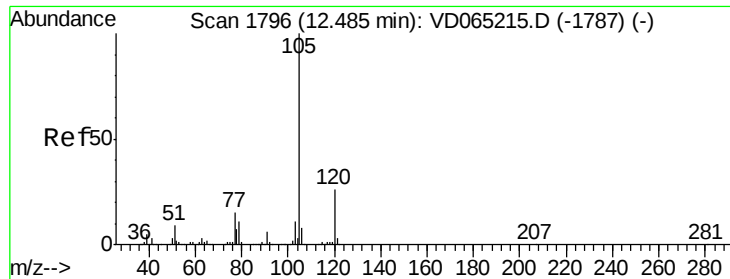
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





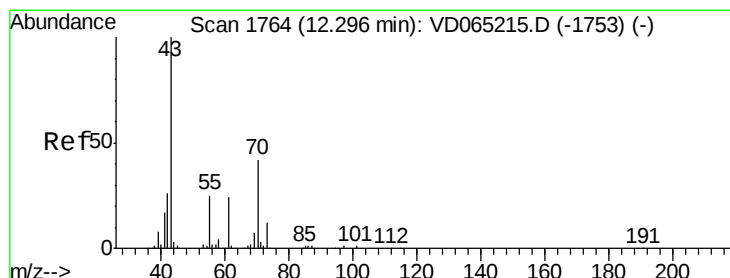
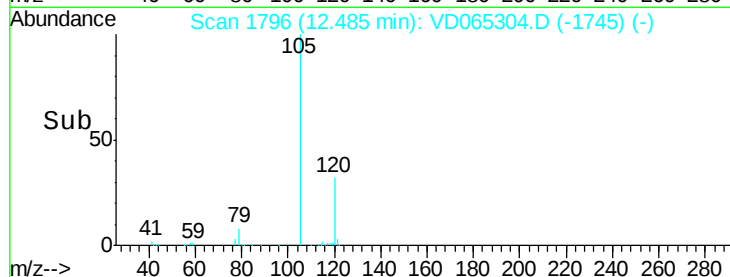
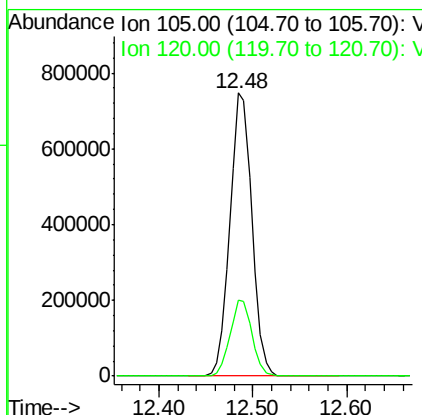
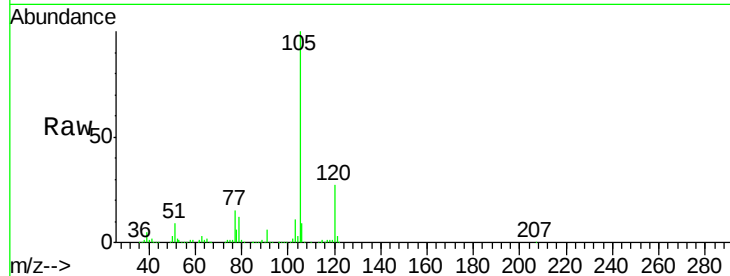
#73
Isopropylbenzene
Concen: 54.559 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1209961
Ion Ratio Lower Upper
105 100
120 26.7 13.3 39.9

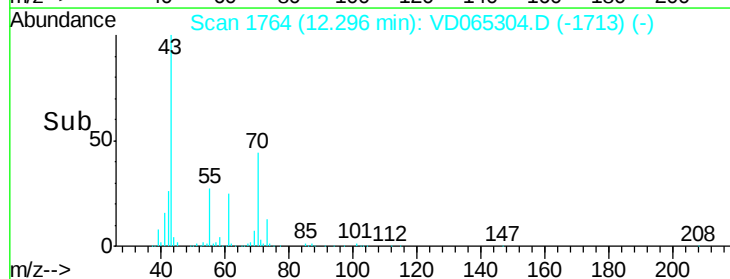
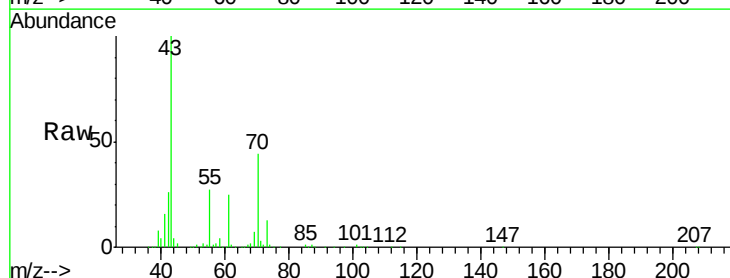
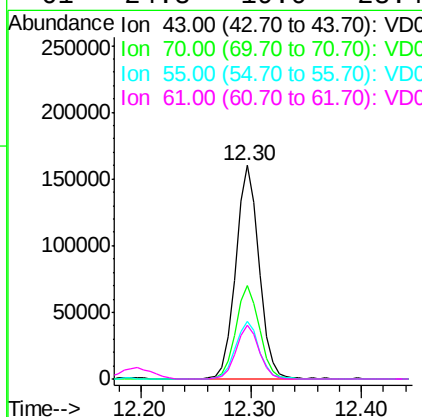
Manual Integrations
APPROVED

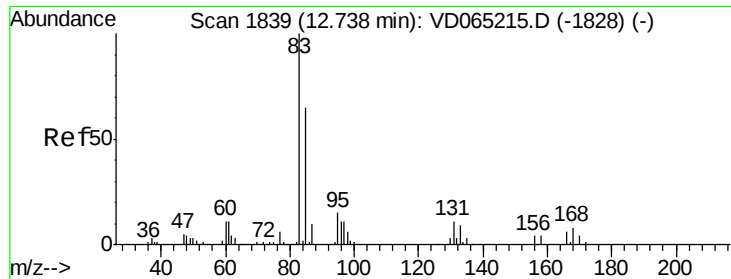
MMDadoda
2/26/2020 10:25:38 AM



#74
N-ethyl acetate
Concen: 48.395 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion: 43 Resp: 238486
Ion Ratio Lower Upper
43 100
70 44.2 33.7 50.5
55 27.4 20.7 31.1
61 24.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.030 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

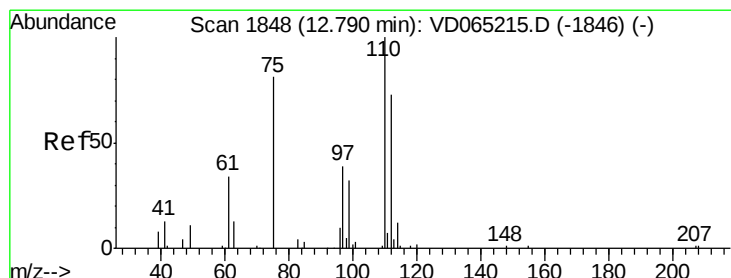
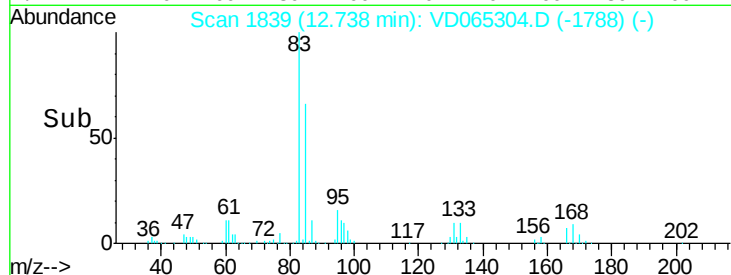
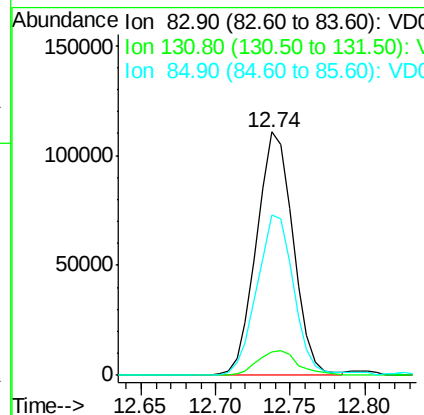
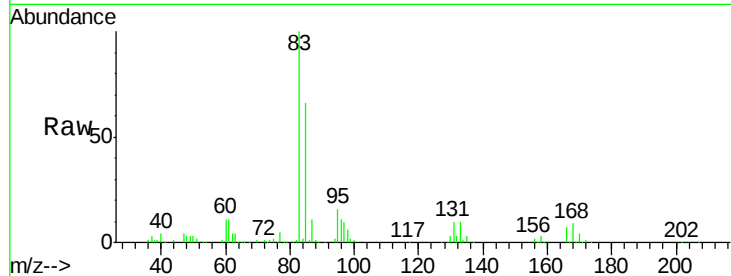
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	188238
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	65.8	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 46.589 ug/l m

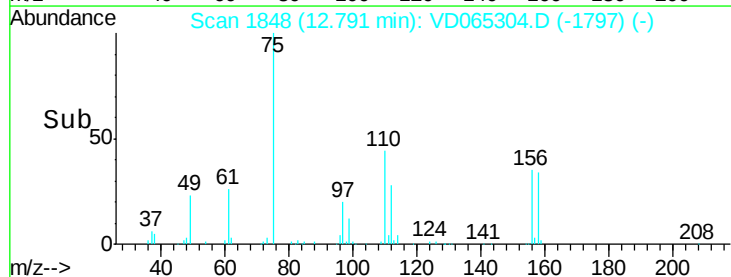
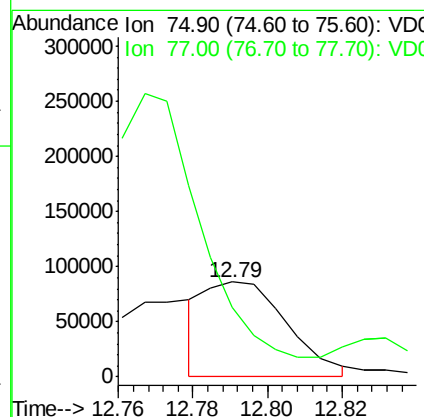
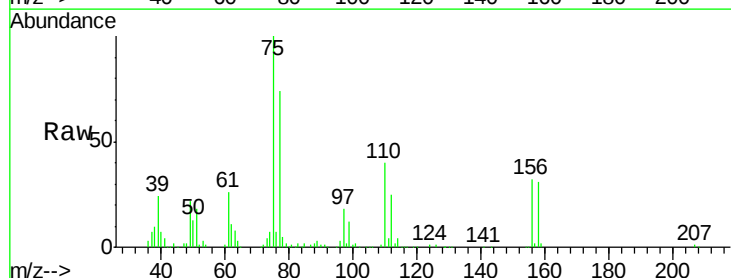
RT: 12.79 min Scan# 1848

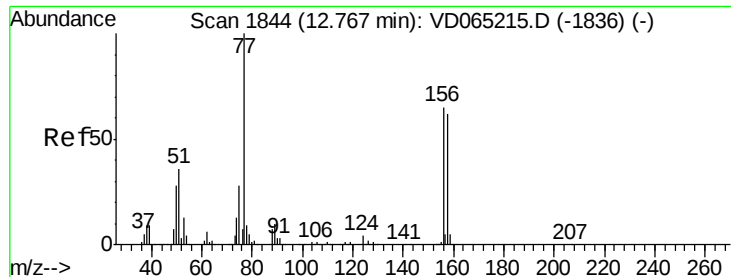
Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion:	75	Resp:	132784
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 50.527 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Instrument :

MSVOA_D

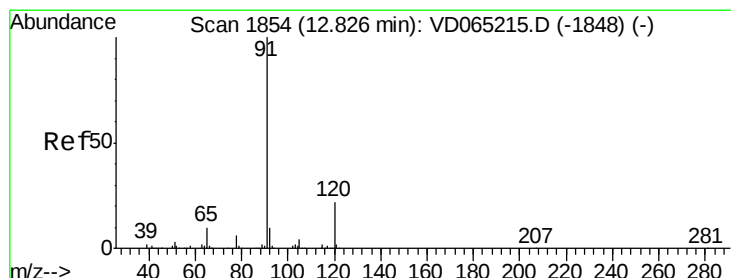
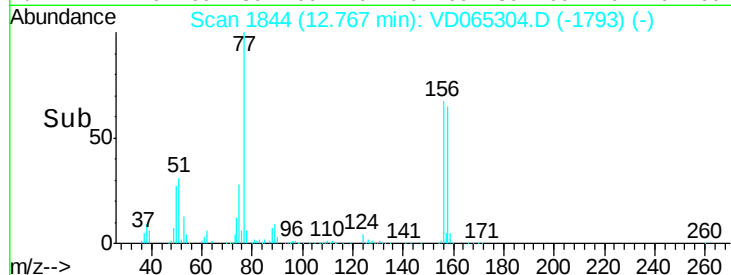
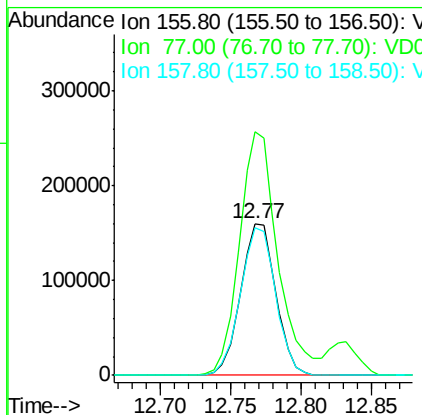
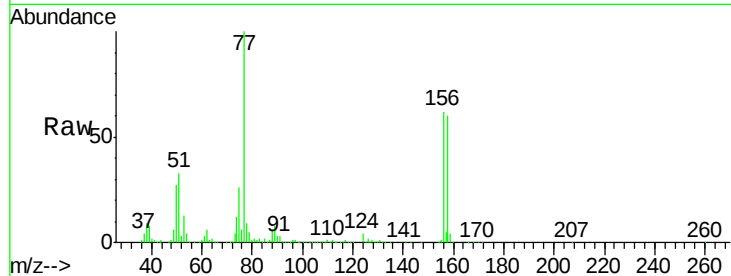
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	278250
Ion Ratio	Lower	Upper	
156	100		
77	173.8	86.6	259.7
158	97.8	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 54.363 ug/l

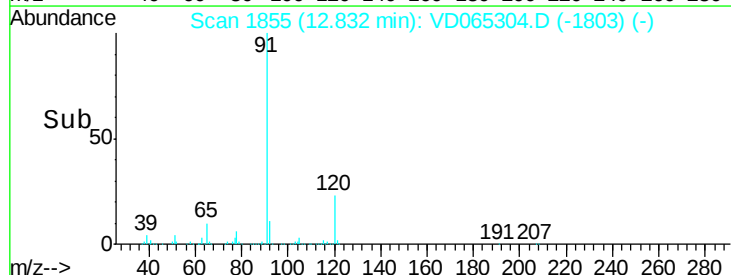
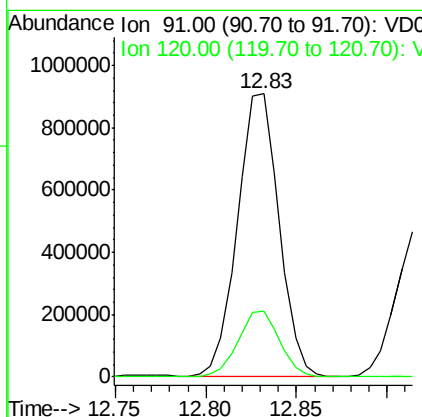
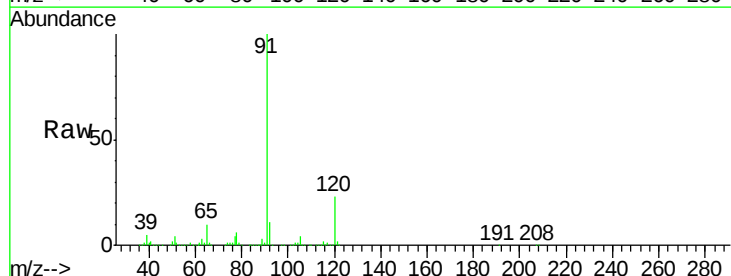
RT: 12.83 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VD065304.D

Acq: 25 Feb 2020 11:31

Tgt Ion:	91	Resp:	1448808
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





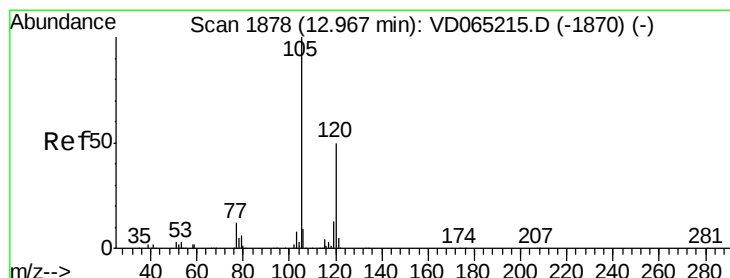
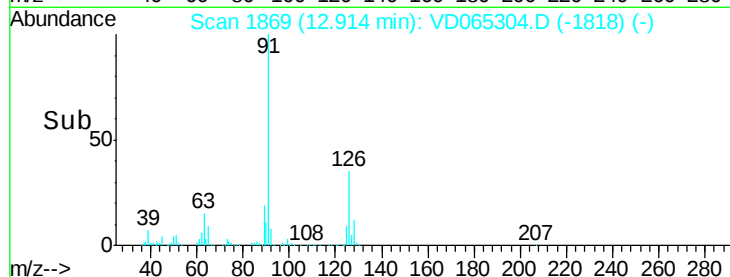
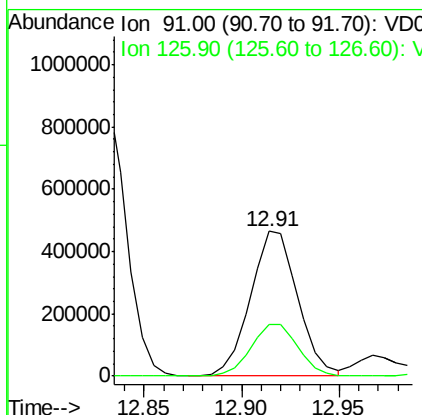
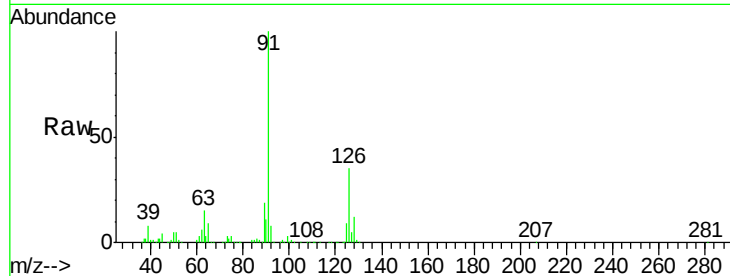
#79
 2-Chlorotoluene
 Concen: 52.285 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.5	52.6

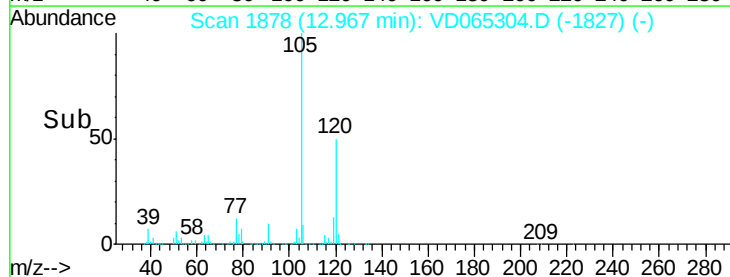
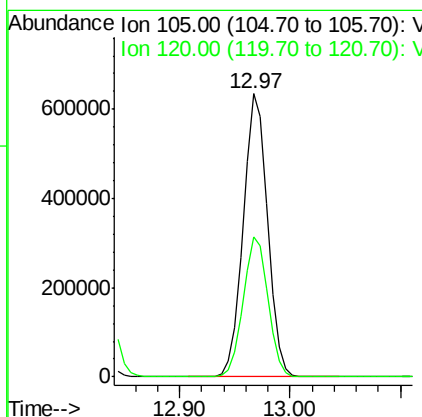
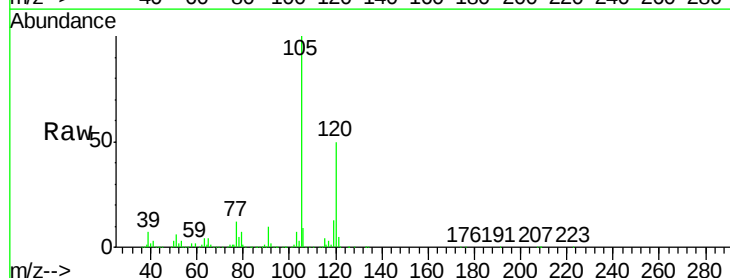
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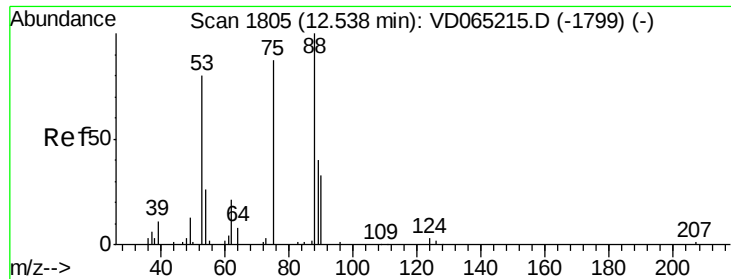
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 53.993 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.5	25.4	76.4





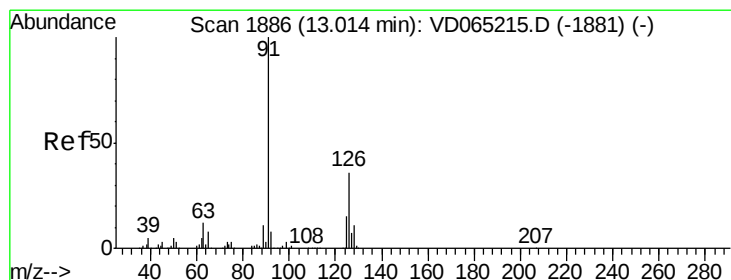
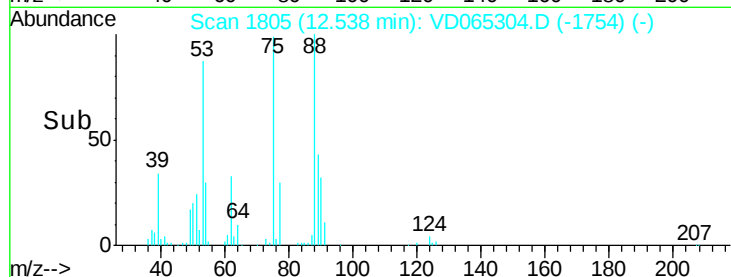
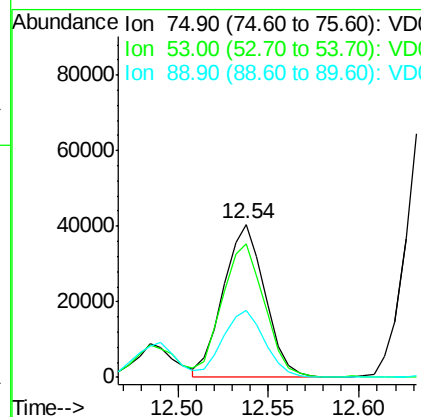
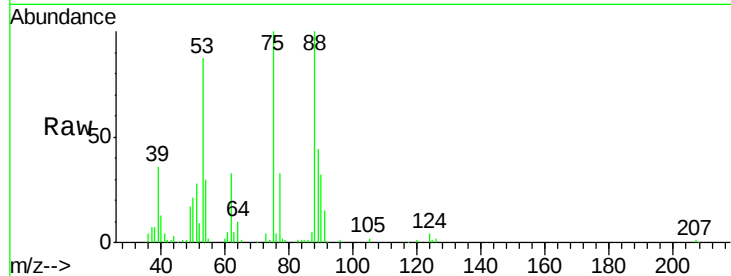
#81
trans-1,4-Dichloro-2-butene
Concen: 48.433 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	89.9	77.6	116.4
89	44.7	37.2	55.8

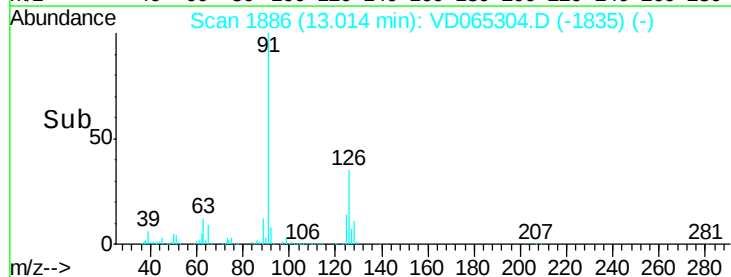
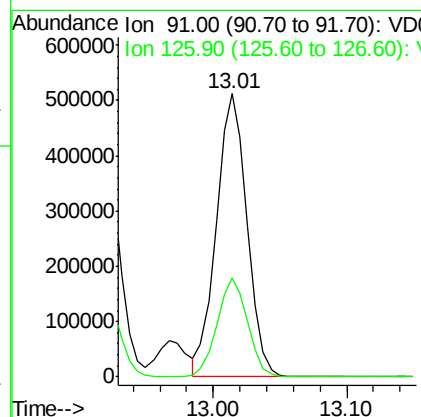
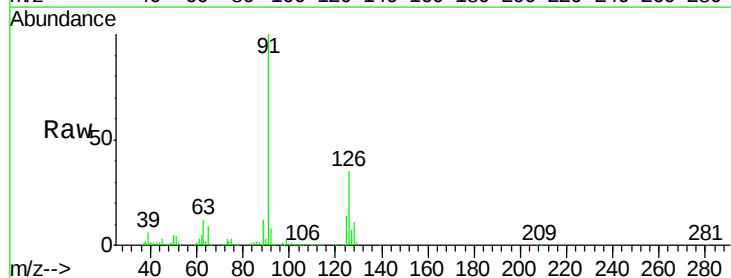
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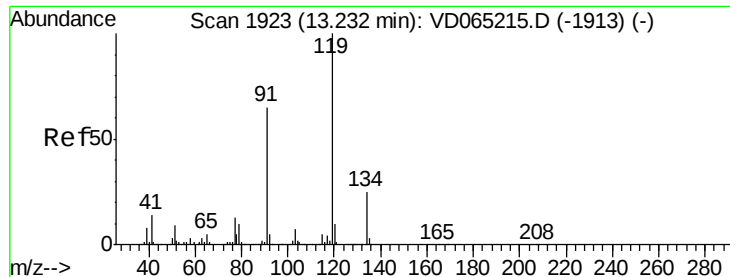
MMDadoda
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#82
4-Chlorotoluene
Concen: 51.957 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.4	52.3





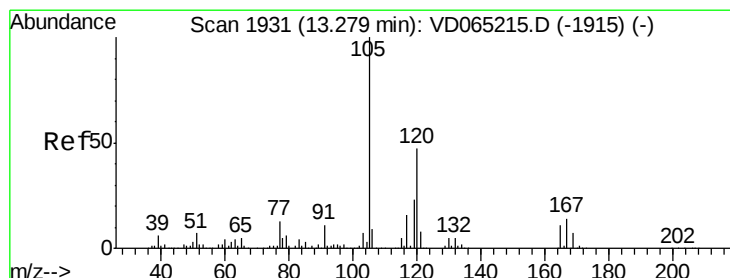
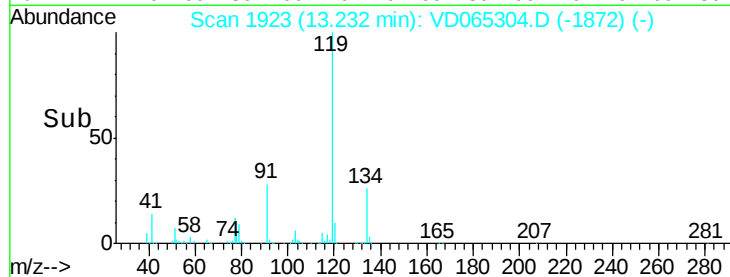
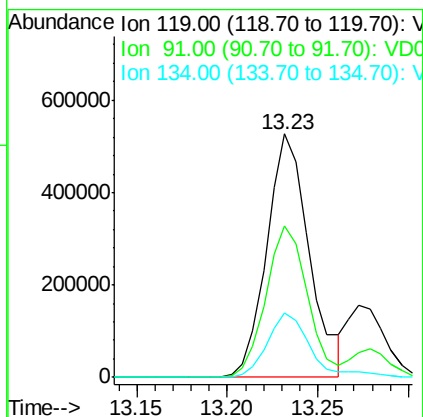
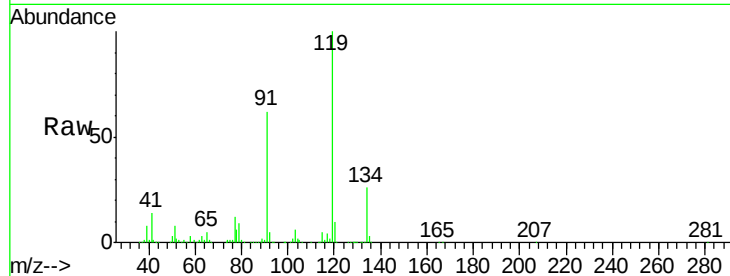
#83
tert-Butylbenzene
Concen: 56.094 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.0	31.9	95.5
134	27.0	13.8	41.3

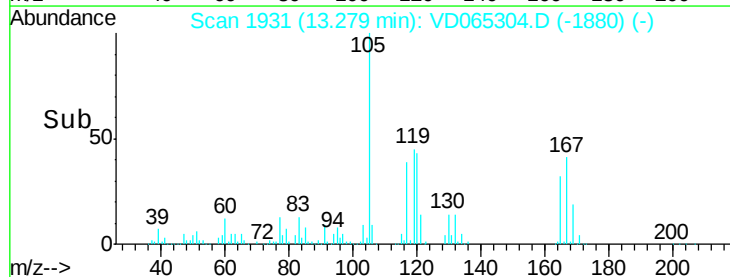
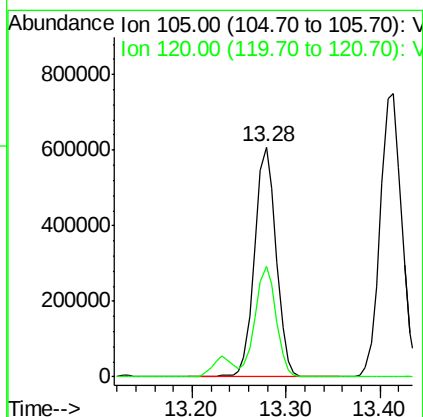
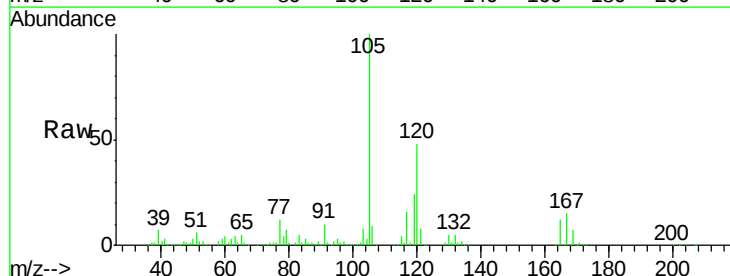
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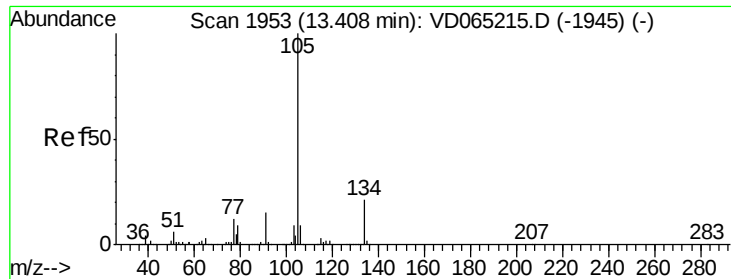
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 52.897 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.9





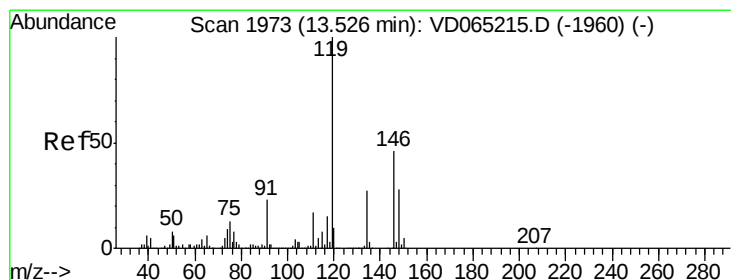
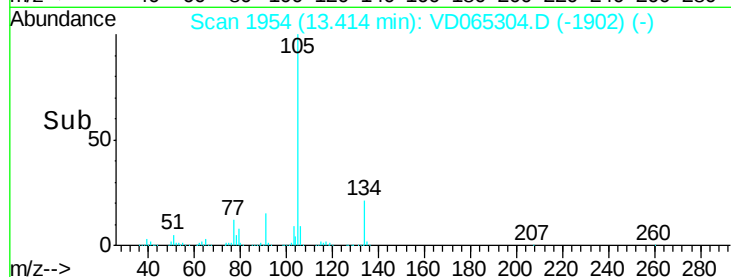
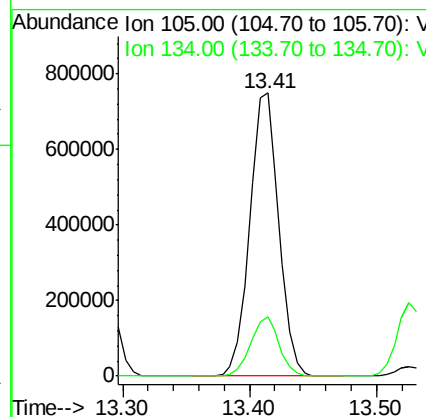
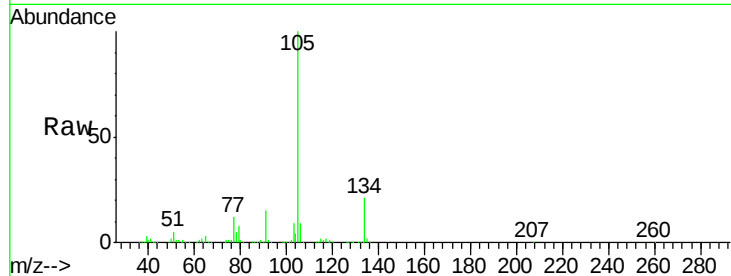
#85
 sec-Butylbenzene
 Concen: 53.852 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1187956
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9

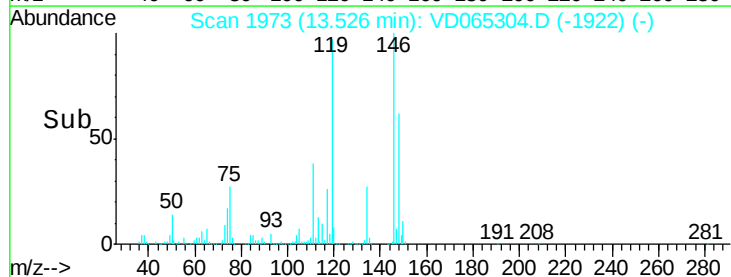
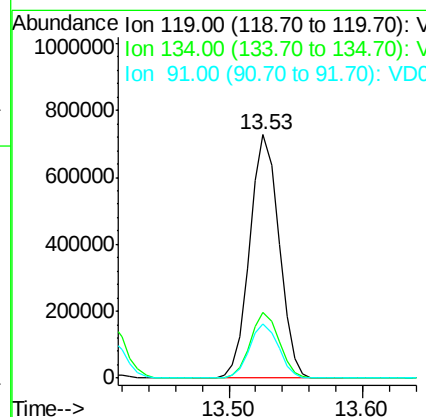
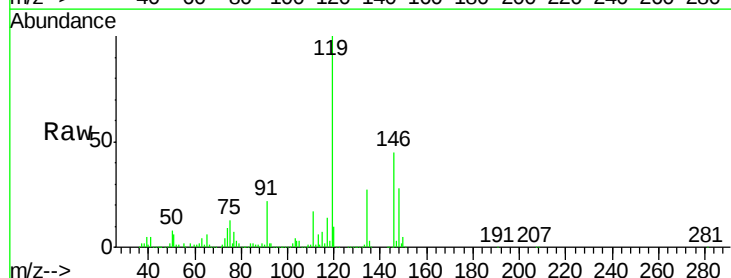
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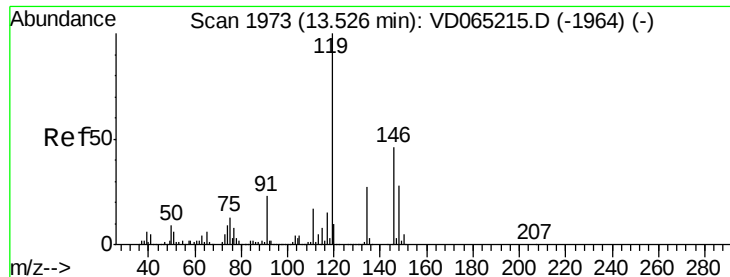
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#86
 p-Isopropyltoluene
 Concen: 54.485 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion:119 Resp: 1099139
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 21.9 11.1 33.1





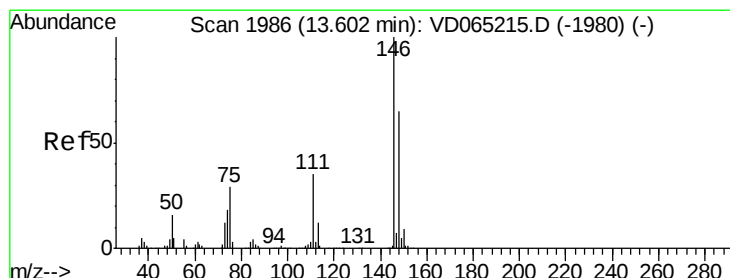
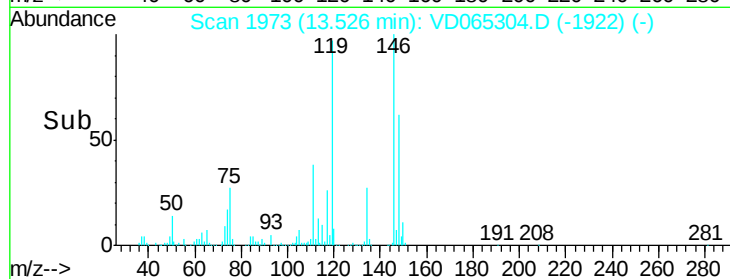
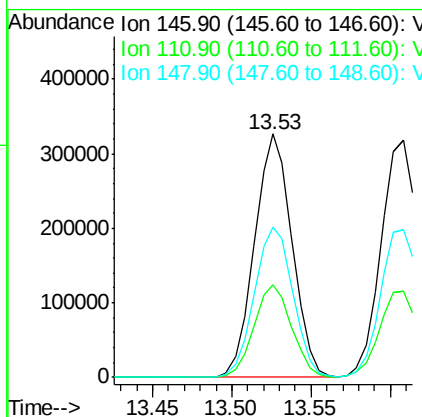
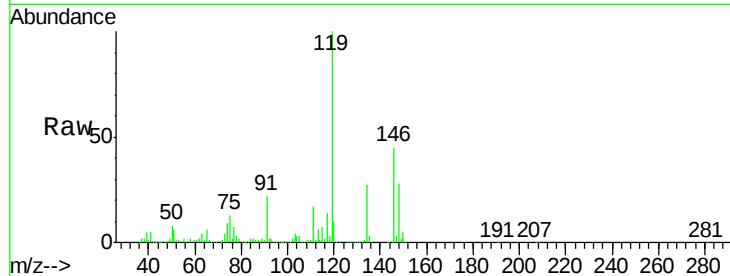
#87
 1,3-Dichlorobenzene
 Concen: 50.504 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	63.3	31.4	94.3

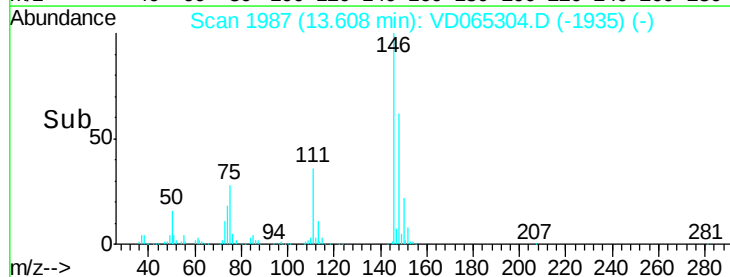
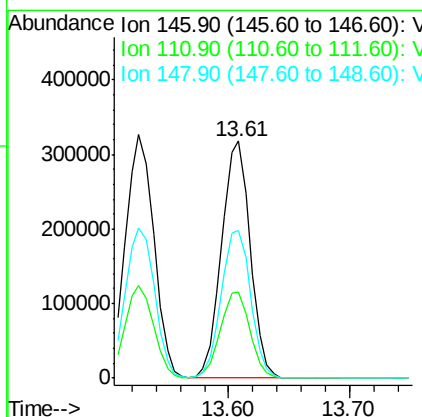
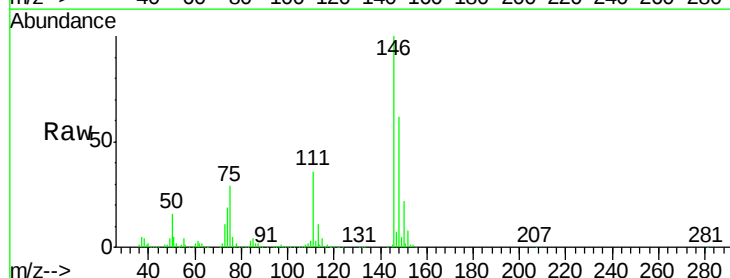
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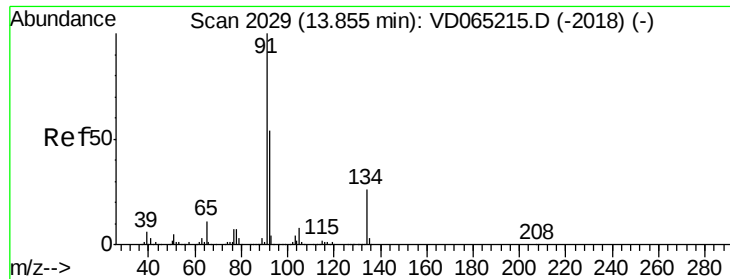
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#88
 1,4-Dichlorobenzene
 Concen: 49.677 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.4	55.2
148	64.1	32.1	96.5





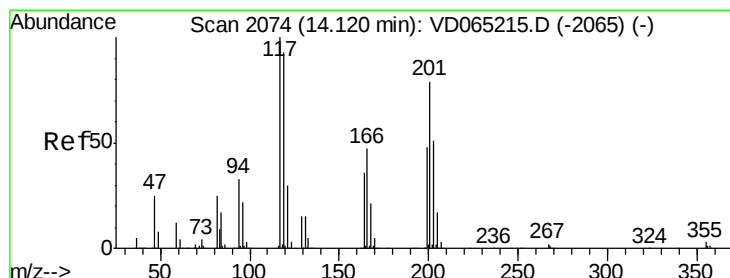
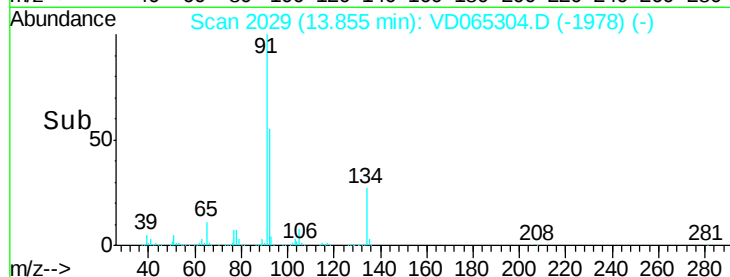
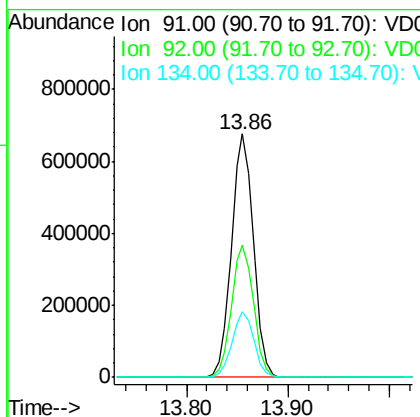
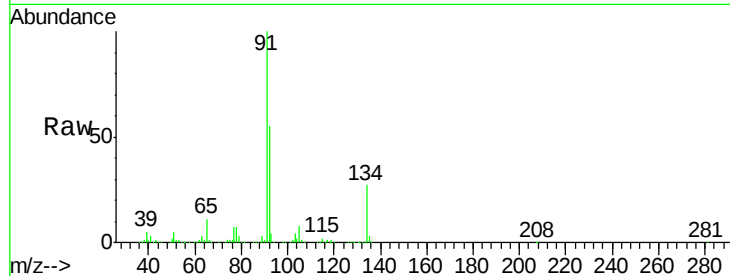
#89
n-Butylbenzene
Concen: 54.348 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.5	27.0	80.8
134	26.7	13.5	40.4

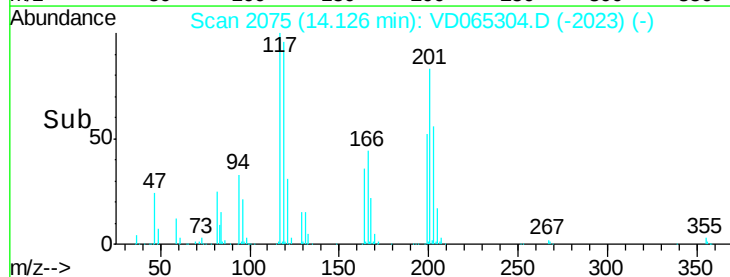
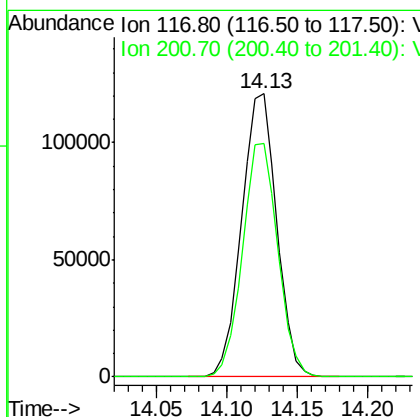
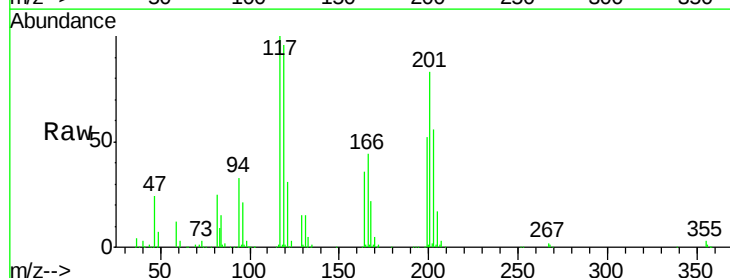
Manual Integrations
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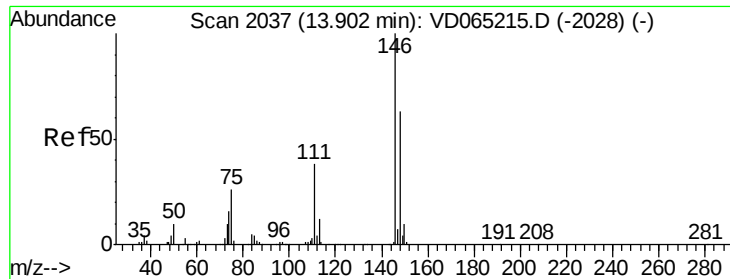
MMDadoda
2/26/2020 10:25:38 AM



#90
Hexachloroethane
Concen: 51.432 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.1	41.3	124.1





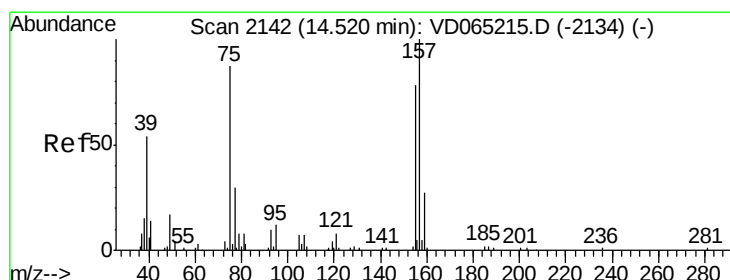
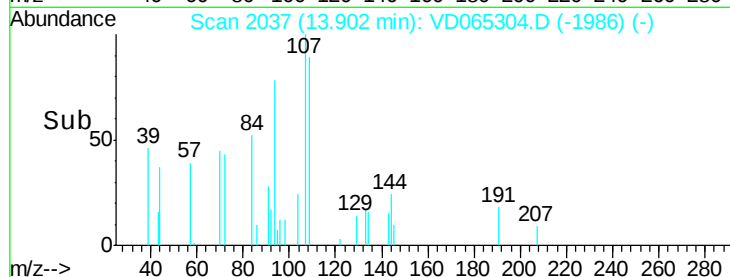
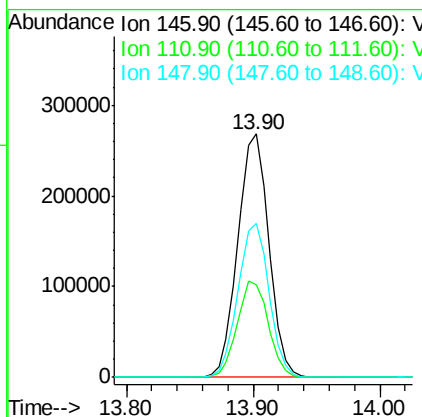
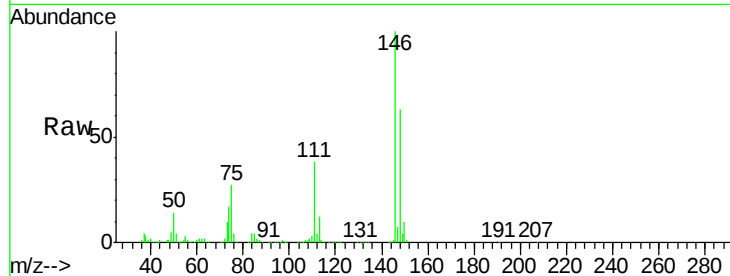
#91
 1,2-Dichlorobenzene
 Concen: 49.899 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
146	100	456131		
111	39.4	19.7	59.0	
148	63.4	32.0	96.2	

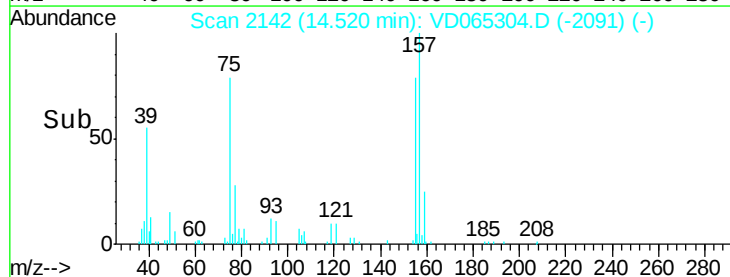
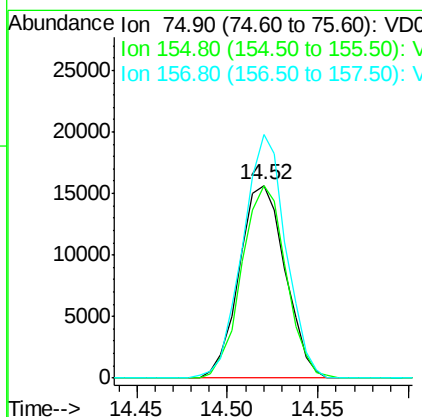
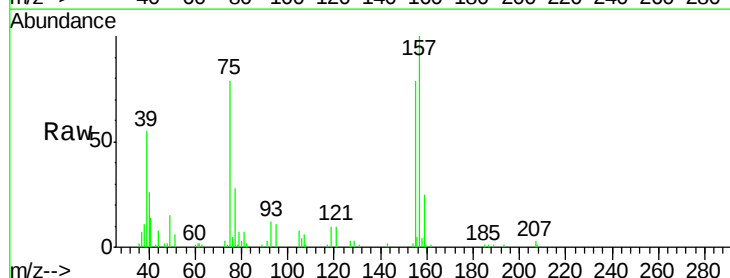
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 44.828 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	27650		
155	96.2	42.3	126.9	
157	118.8	56.7	170.1	





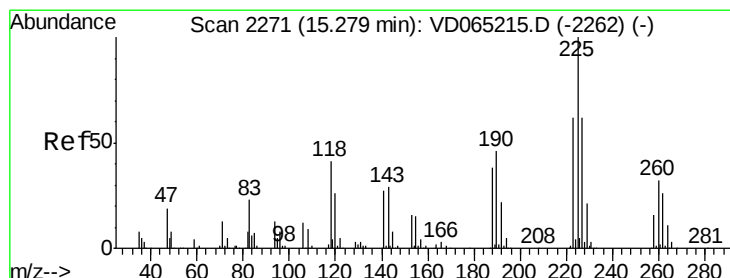
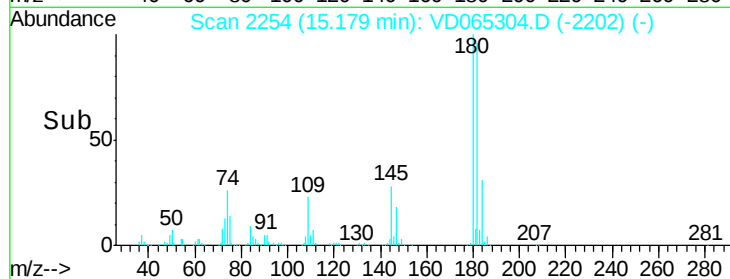
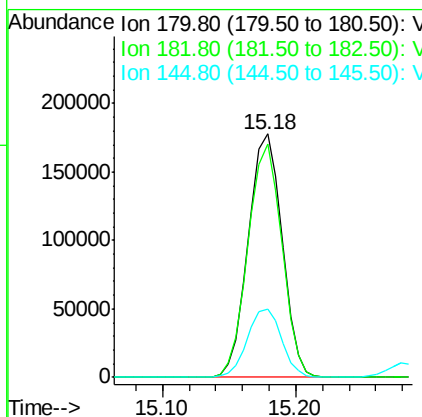
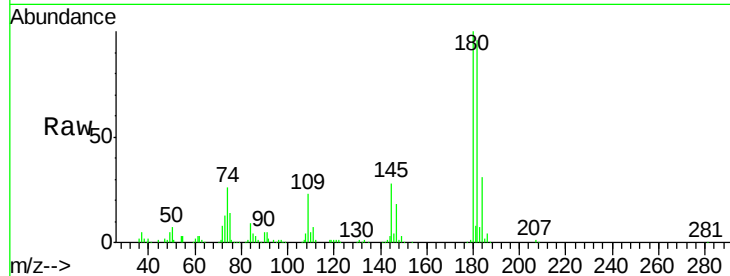
#93
 1,2,4-Trichlorobenzene
 Concen: 52.175 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	311974
Ion Ratio	Lower	Upper	
180	100		
182	95.9	46.9	140.6
145	28.6	13.9	41.7

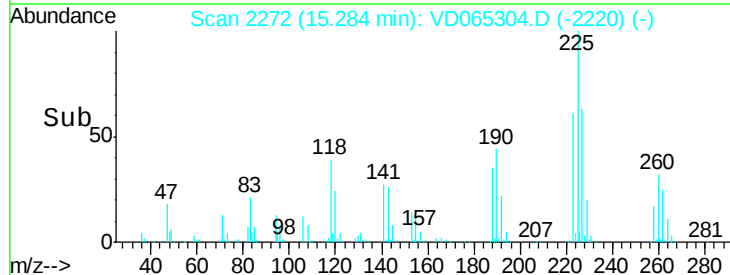
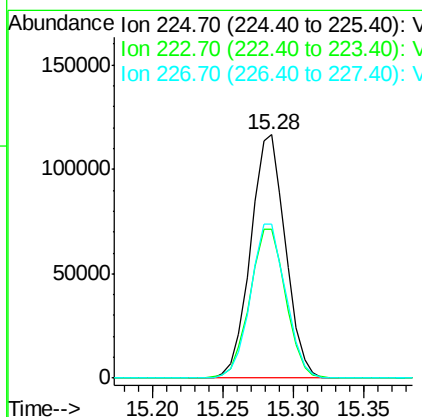
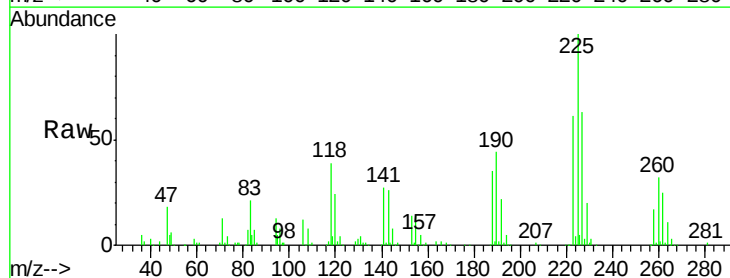
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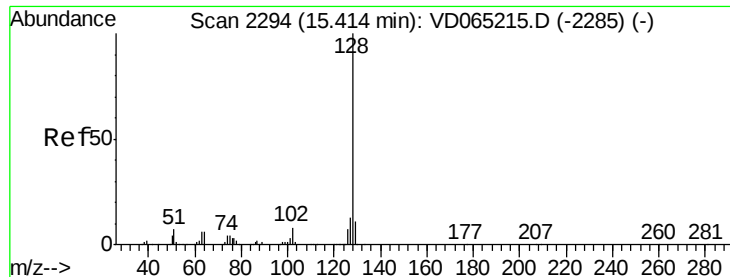
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#94
 Hexachlorobutadiene
 Concen: 52.560 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065304.D
 Acq: 25 Feb 2020 11:31

Tgt Ion:	225	Resp:	201603
Ion Ratio	Lower	Upper	
225	100		
223	63.2	31.4	94.2
227	64.2	31.7	95.1





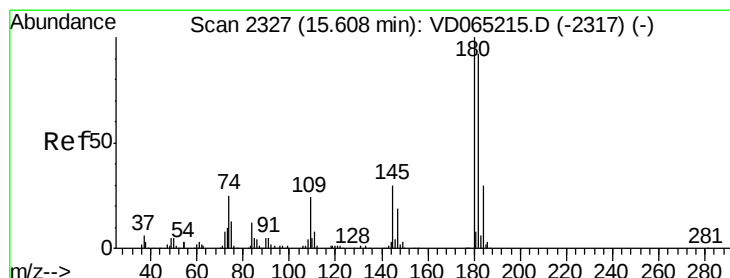
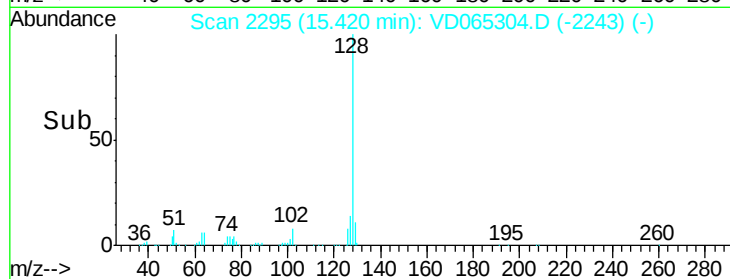
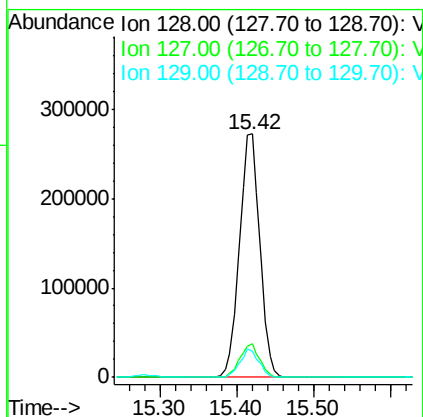
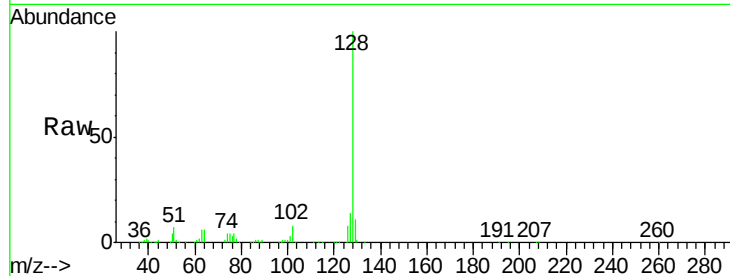
#95
Naphthalene
Concen: 52.009 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	505551		
127	13.4		10.3	15.5
129	10.9		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.338 ug/l
RT: 15.61 min Scan# 2328
Delta R.T. 0.01 min
Lab File: VD065304.D
Acq: 25 Feb 2020 11:31

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	268097		
182	95.5		46.9	140.6
145	29.9		15.4	46.1

