

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022720\
 Data File : VD065338.D
 Acq On : 27 Feb 2020 10:10
 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
 2/28/2020 9:59:06 AM

Quant Time: Feb 28 00:46:23 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	475882	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	678189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	612881	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303153	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.34	65	210006	49.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.10%	
35) Dibromofluoromethane	7.92	113	223453	54.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.08%	
50) Toluene-d8	10.34	98	884589	55.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.92%	
62) 4-Bromofluorobenzene	12.64	95	277344	55.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.76%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.99	85	204270	51.178	ug/l	100
3) Chloromethane	2.21	50	243875	48.004	ug/l	97
4) Vinyl Chloride	2.36	62	247973	48.001	ug/l	98
5) Bromomethane	2.77	94	148899	47.670	ug/l	97
6) Chloroethane	2.93	64	149534	47.420	ug/l	99
7) Trichlorofluoromethane	3.27	101	372320	50.340	ug/l	100
8) Diethyl Ether	3.71	74	104917	46.994	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	238663	51.098	ug/l	99
10) Methyl Iodide	4.29	142	257346	53.066	ug/l	99
11) Tert butyl alcohol	5.24	59	57221	223.676	ug/l	100
12) 1,1-Dichloroethene	4.06	96	222971	50.536	ug/l	98
13) Acrolein	3.93	56	70728	222.489	ug/l	99
14) Allyl chloride	4.71	41	353319	49.313	ug/l	98
15) Acrylonitrile	5.43	53	232664	235.389	ug/l	100
16) Acetone	4.16	43	272779	260.657	ug/l	98
17) Carbon Disulfide	4.40	76	716136	48.413	ug/l	99
18) Methyl Acetate	4.72	43	107731	45.771	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	446356	48.513	ug/l	99
20) Methylene Chloride	4.96	84	240723	51.840	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	255991	51.037	ug/l	99
22) Diisopropyl ether	6.37	45	697802	50.520	ug/l	99
23) Vinyl Acetate	6.31	43	1905796	250.279	ug/l	99
24) 1,1-Dichloroethane	6.27	63	429774	50.165	ug/l	98
25) 2-Butanone	7.22	43	315402	238.209	ug/l	100
26) 2,2-Dichloropropane	7.21	77	382077	51.401	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	269926	50.805	ug/l	98
28) Bromochloromethane	7.55	49	159166	50.077	ug/l	99
29) Tetrahydrofuran	7.57	42	185740	239.419	ug/l	100
30) Chloroform	7.71	83	431230	49.961	ug/l	99
31) Cyclohexane	7.98	56	406962	48.347	ug/l	97
32) 1,1,1-Trichloroethane	7.90	97	388740	50.338	ug/l	99
36) 1,1-Dichloropropene	8.11	75	355131	53.817	ug/l	99
37) Ethyl Acetate	7.30	43	129211	46.839	ug/l	98
38) Carbon Tetrachloride	8.10	117	362258	53.927	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	428364	55.217	ug/l	100
40) Benzene	8.35	78	995512	53.448	ug/l	99
41) Methacrylonitrile	7.53	41	65404	41.062	ug/l	92
42) 1,2-Dichloroethane	8.43	62	250414	48.904	ug/l	99
43) Isopropyl Acetate	8.46	43	243198	48.480	ug/l	98
44) Trichloroethene	9.11	130	279637	54.162	ug/l	99
45) 1,2-Dichloropropane	9.39	63	245534	53.014	ug/l	97
46) Dibromomethane	9.48	93	122349	51.343	ug/l	98
47) Bromodichloromethane	9.67	83	326739	52.029	ug/l	98
48) Methyl methacrylate	9.46	41	116642	50.304	ug/l	98
49) 1,4-Dioxane	9.47	88	28024	1002.694	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	639456	250.972	ug/l	99
52) Toluene	10.41	92	642302	55.712	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	304927	52.384	ug/l	96
54) cis-1,3-Dichloropropene	10.09	75	372200	52.951	ug/l	99
55) 1,1,2-Trichloroethane	10.80	97	171332	51.082	ug/l	96
56) Ethyl methacrylate	10.67	69	203492	52.564	ug/l	97
57) 1,3-Dichloropropane	10.95	76	295005	51.678	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	276041	226.168	ug/l	99
59) 2-Hexanone	10.99	43	496549	272.245	ug/l	97
60) Dibromochloromethane	11.14	129	224206	52.227	ug/l	100
61) 1,2-Dibromoethane	11.25	107	165489	52.112	ug/l	100
64) Tetrachloroethene	10.88	164	238291	54.820	ug/l	98
65) Chlorobenzene	11.68	112	660737	53.723	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	245417	53.472	ug/l	98
67) Ethyl Benzene	11.75	91	1195504	55.501	ug/l	99
68) m/p-Xylenes	11.86	106	919715	111.600	ug/l	100
69) o-Xylene	12.18	106	407350	55.792	ug/l	99
70) Styrene	12.20	104	721090	55.626	ug/l	100
71) Bromoform	12.37	173	132335	51.961	ug/l #	99
73) Isopropylbenzene	12.49	105	1138869	56.744	ug/l	100
74) N-amyl acetate	12.30	43	223189	50.046	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	180967	49.960	ug/l	99
76) 1,2,3-Trichloropropane	12.80	75	132078m	51.207	ug/l	
77) Bromobenzene	12.77	156	266536	53.481	ug/l	99
78) n-propylbenzene	12.83	91	1363121	56.517	ug/l	99
79) 2-Chlorotoluene	12.91	91	738064	54.625	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	933449	56.469	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58808	49.229	ug/l	96
82) 4-Chlorotoluene	13.01	91	772773	53.873	ug/l	99
83) tert-Butylbenzene	13.23	119	802260	57.906	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	930894	56.262	ug/l	100
85) sec-Butylbenzene	13.41	105	1117478	55.976	ug/l	100
86) p-Isopropyltoluene	13.53	119	1040998	57.020	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	508535	52.781	ug/l	98
88) 1,4-Dichlorobenzene	13.61	146	497366	52.305	ug/l	99
89) n-Butylbenzene	13.85	91	961888	57.176	ug/l	100
90) Hexachloroethane	14.13	117	198252	53.481	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	437675	52.906	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.53	75	26606	47.664	ug/l	93

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93) 1,2,4-Trichlorobenzene	15.18	180	298289	55.123	ug/l	98
94) Hexachlorobutadiene	15.28	225	193079	55.622	ug/l	100
95) Naphthalene	15.42	128	482232	54.818	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	258771	54.754	ug/l	99

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

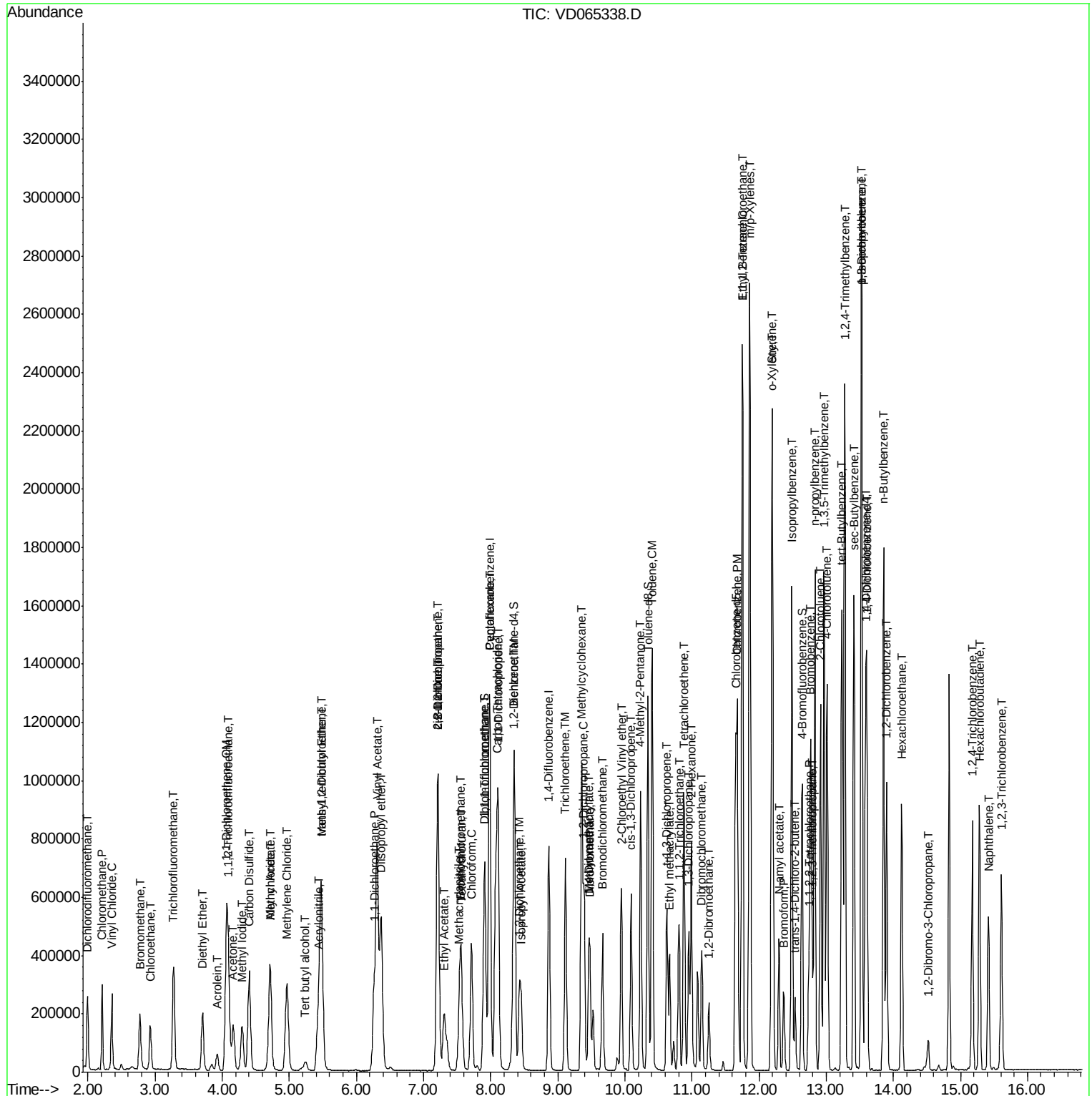
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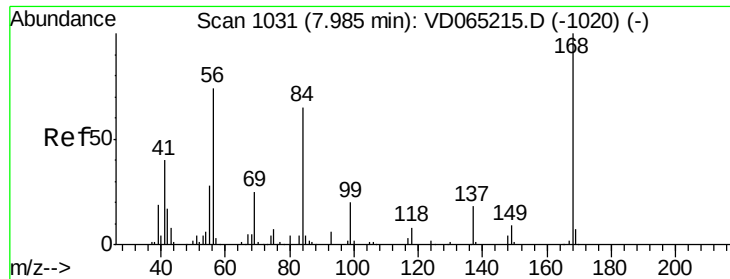
Instrument :
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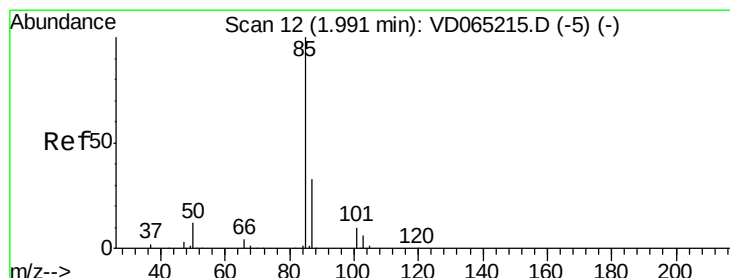
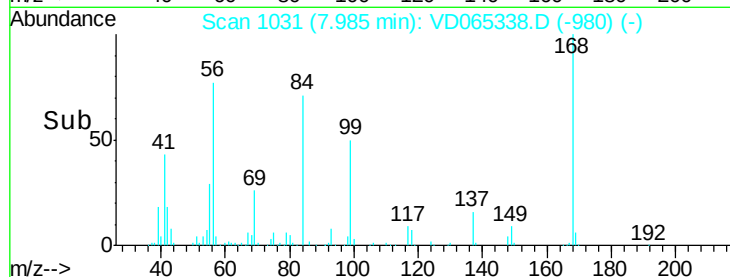
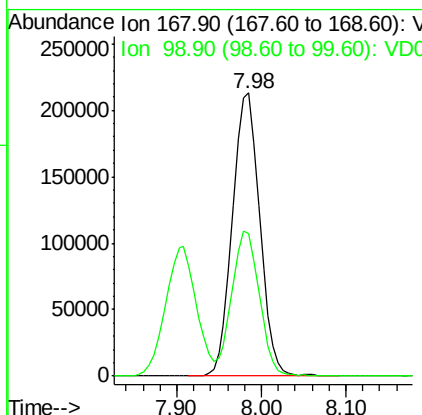
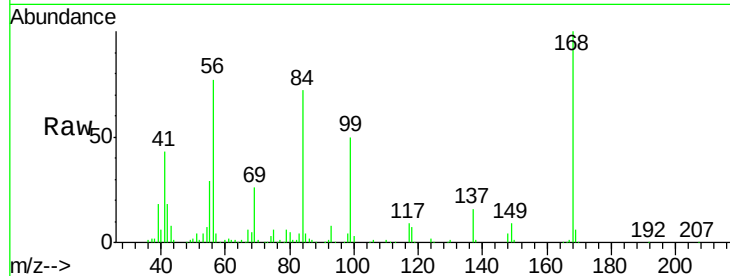
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion:168 Resp: 475882
Ion Ratio Lower Upper
168 100
99 49.9 41.4 62.2

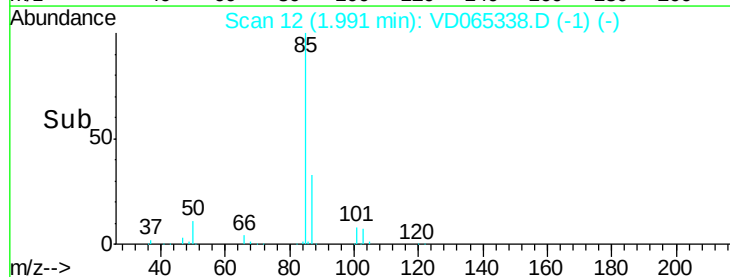
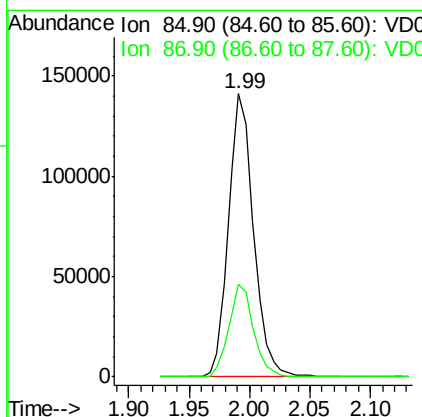
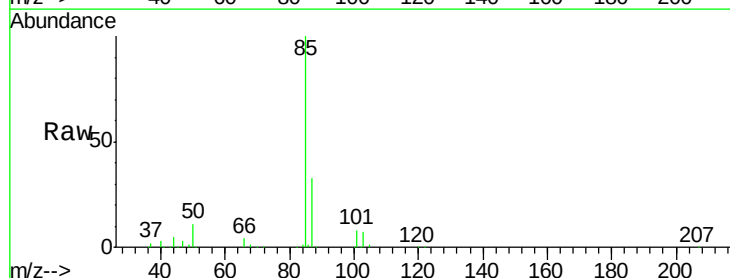
Manual Integrations
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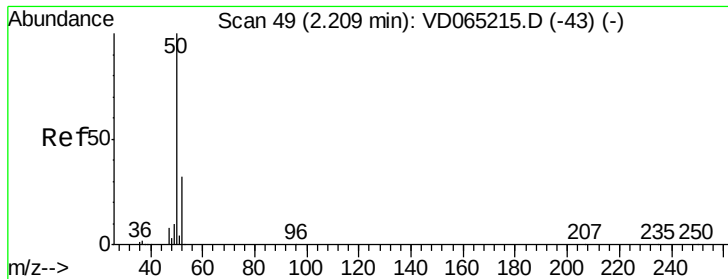
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#2
Dichlorodifluoromethane
Concen: 51.178 ug/l
RT: 1.99 min Scan# 12
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion: 85 Resp: 204270
Ion Ratio Lower Upper
85 100
87 32.8 16.4 49.1





#3

Chloromethane

Concen: 48.004 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 243875

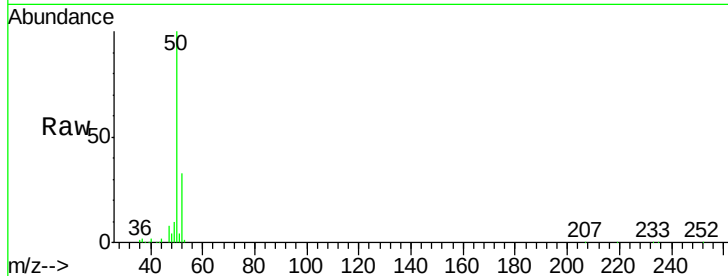
Ion Ratio Lower Upper

50 100

52 33.3 25.5 38.3

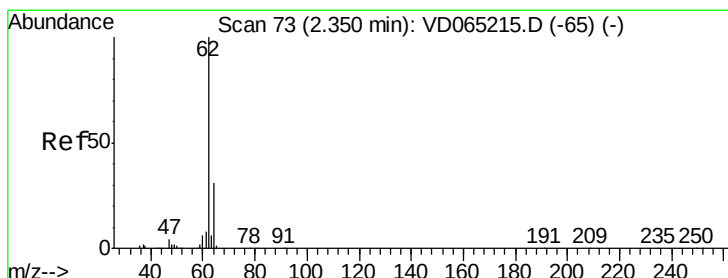
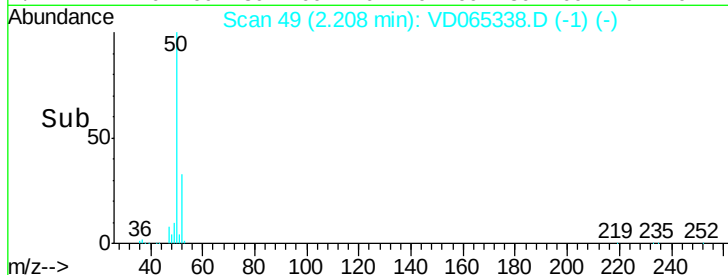
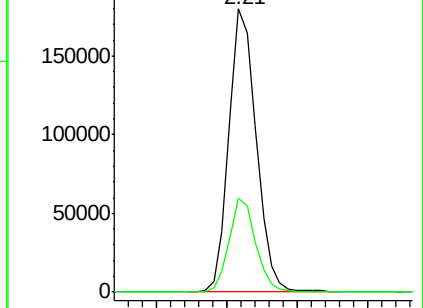
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.001 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065338.D

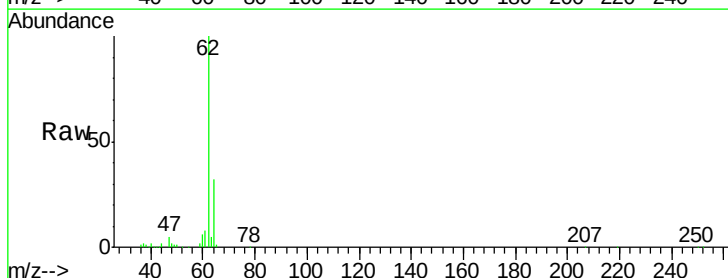
Acq: 27 Feb 2020 10:10

Tgt Ion: 62 Resp: 247973

Ion Ratio Lower Upper

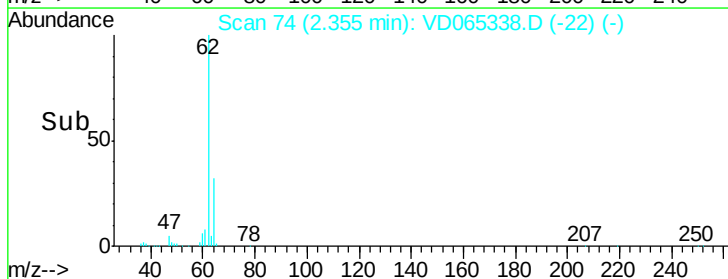
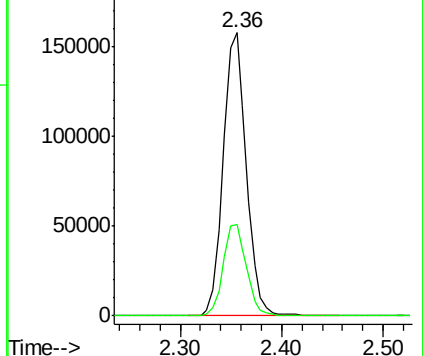
62 100

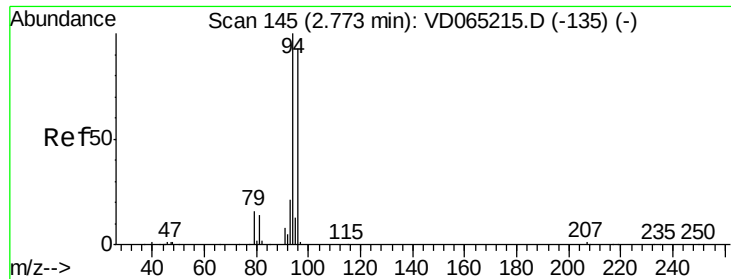
64 32.2 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.670 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065338.D

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ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 148899

Ion Ratio Lower Upper

94 100

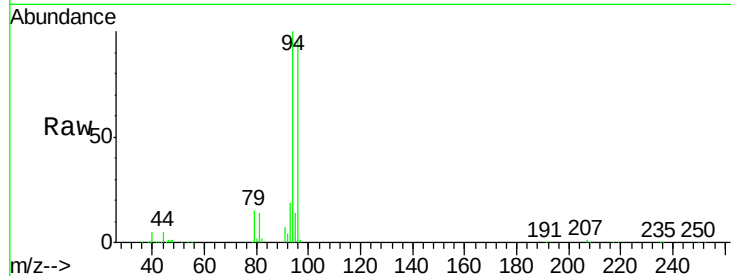
96 95.6 74.2 111.4

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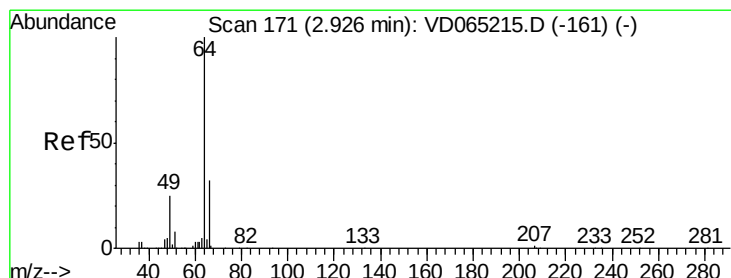
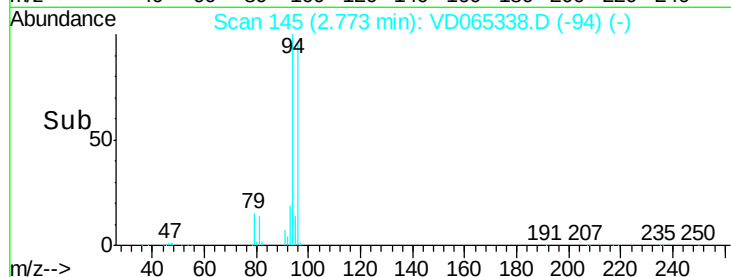
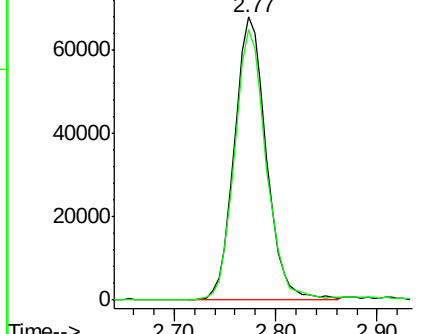
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.420 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065338.D

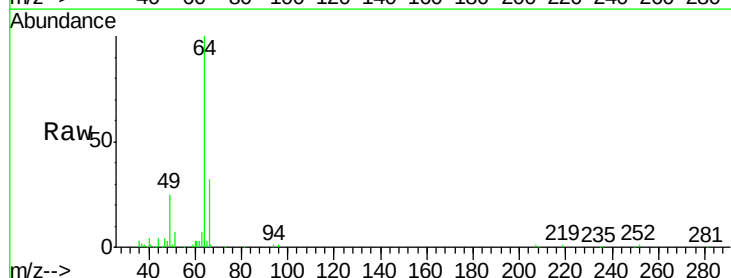
Acq: 27 Feb 2020 10:10

Tgt Ion: 64 Resp: 149534

Ion Ratio Lower Upper

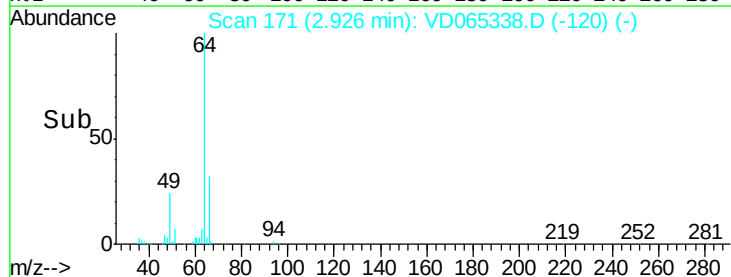
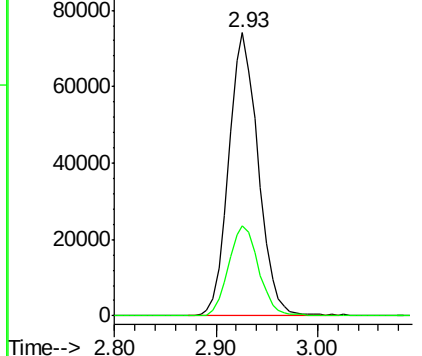
64 100

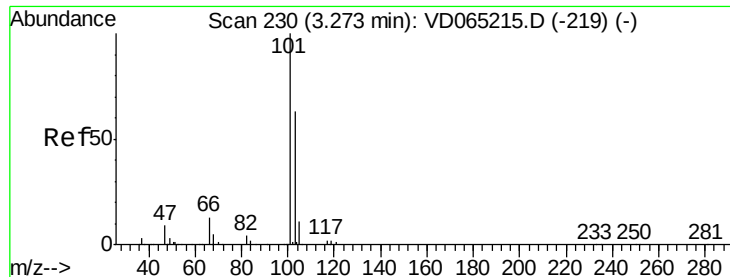
66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

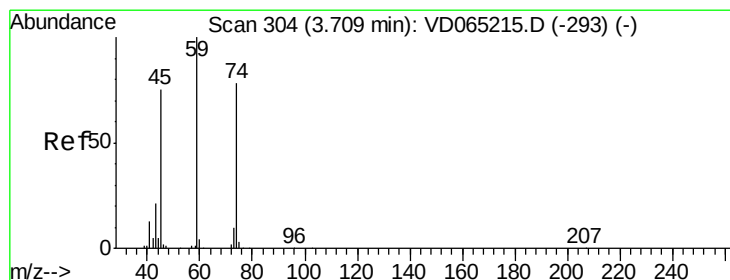
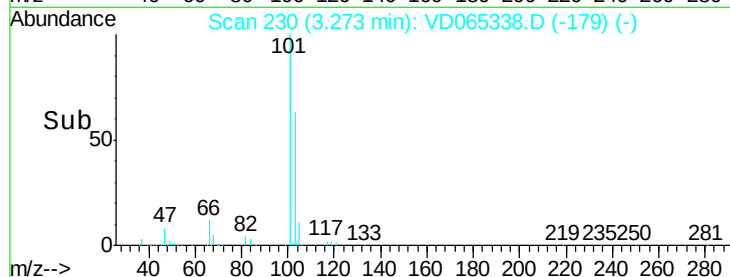
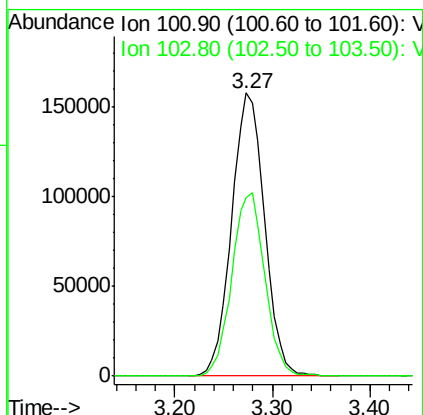
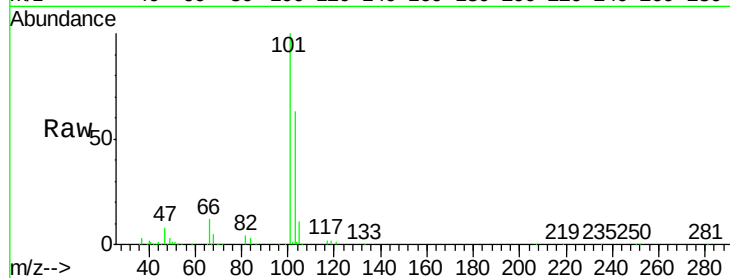
Trichlorofluoromethane
Concen: 50.340 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065338.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.0	50.7	76.1

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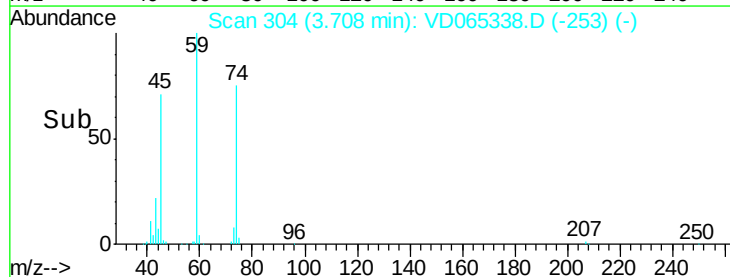
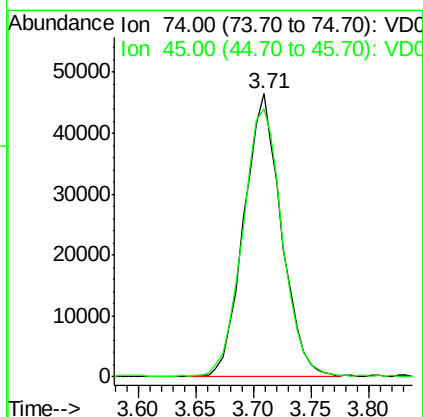
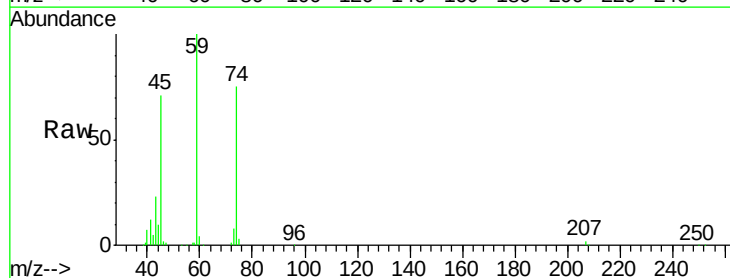
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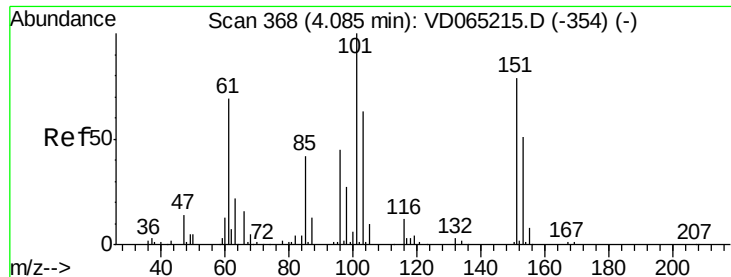


#8

Diethyl Ether
Concen: 46.994 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.1	50.0	149.8





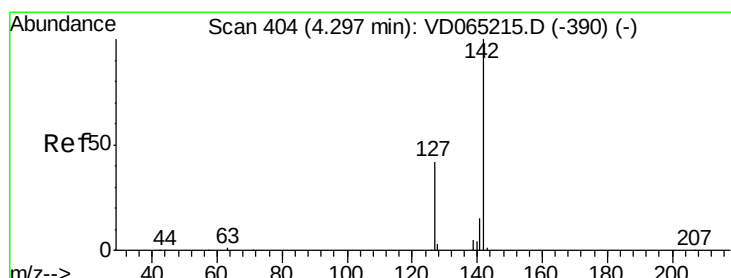
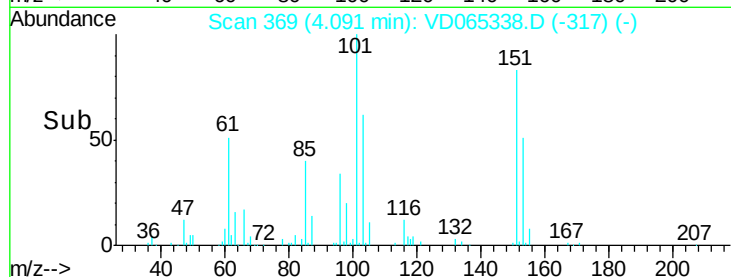
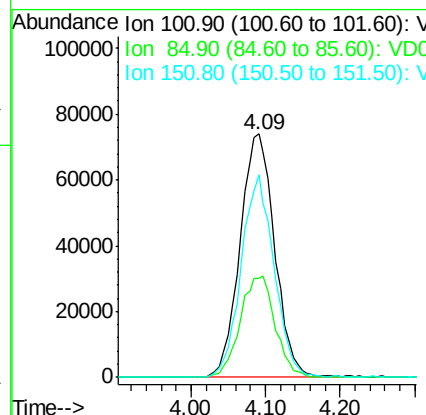
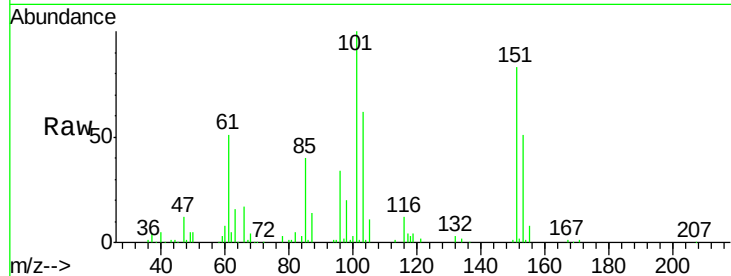
#9
1,1,2-Trichlorotrifluoroethane
Concen: 51.098 ug/l
RT: 4.09 min Scan# 369
Delta R.T. 0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
101	100	238663		
85	42.0		34.2	51.2
151	78.9		63.5	95.3

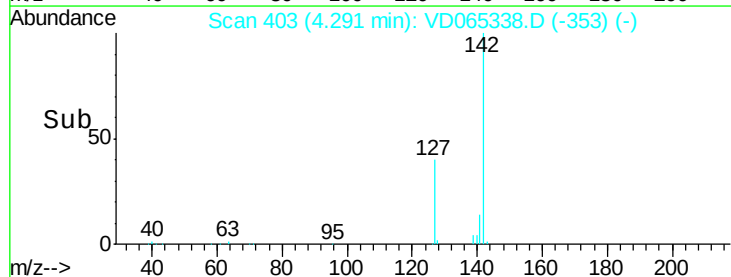
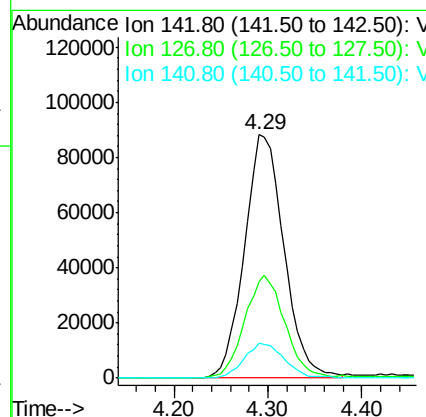
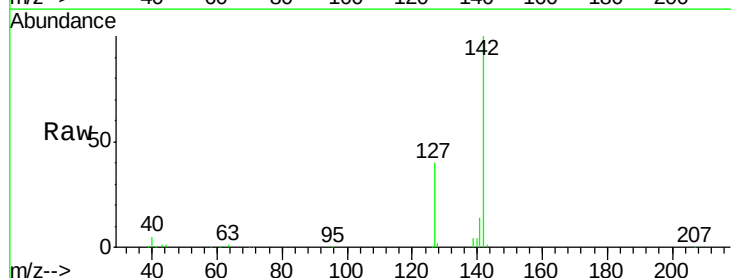
Manual Integrations
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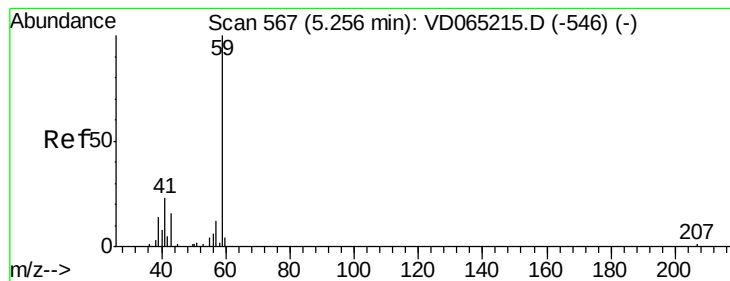
MMDadoda
2/28/2020 9:59:06 AM



#10
Methyl Iodide
Concen: 53.066 ug/l
RT: 4.29 min Scan# 403
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	257346		
127	43.1		33.8	50.8
141	14.6		11.7	17.5





#11

Tert butyl alcohol

Concen: 223.676 ug/l

RT: 5.24 min Scan# 564

Delta R.T. -0.02 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 59 Resp: 57221

Ion Ratio Lower Upper

59 100

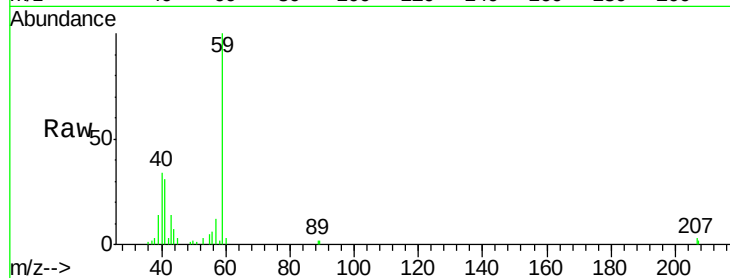
57 10.4 8.4 12.6

Manual Integrations

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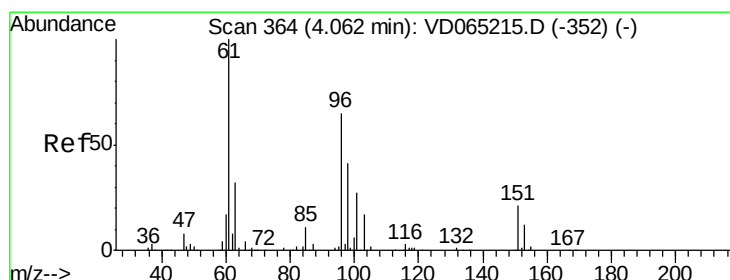
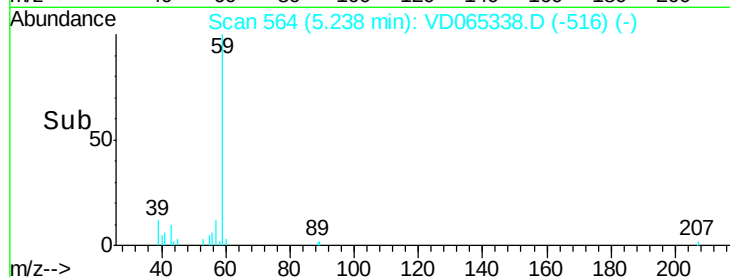
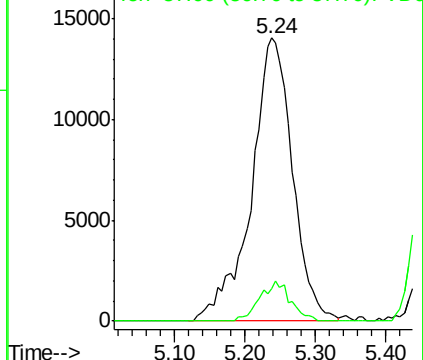
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC



#12

1,1-Dichloroethene

Concen: 50.536 ug/l

RT: 4.06 min Scan# 364

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

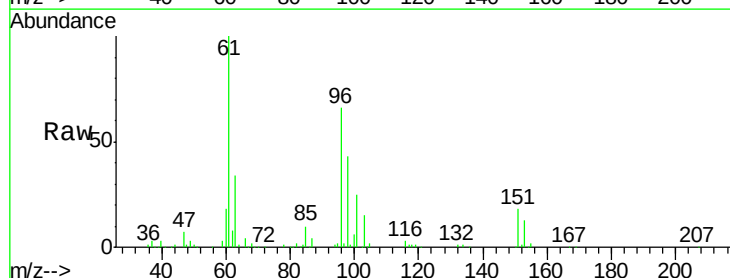
Tgt Ion: 96 Resp: 222971

Ion Ratio Lower Upper

96 100

61 152.4 123.3 184.9

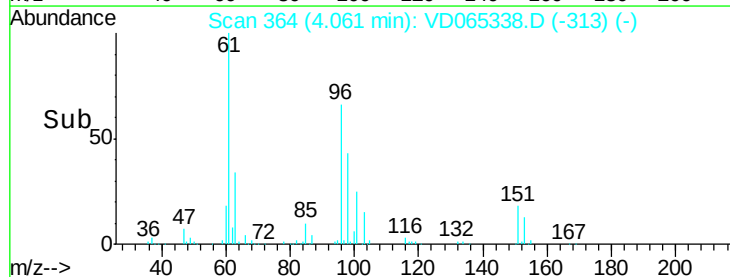
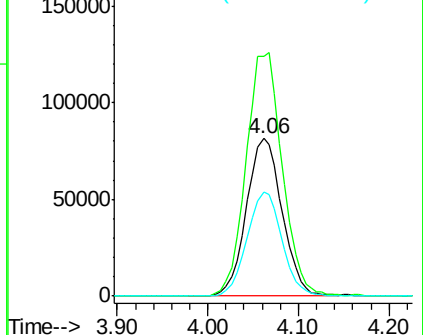
98 65.7 51.0 76.4

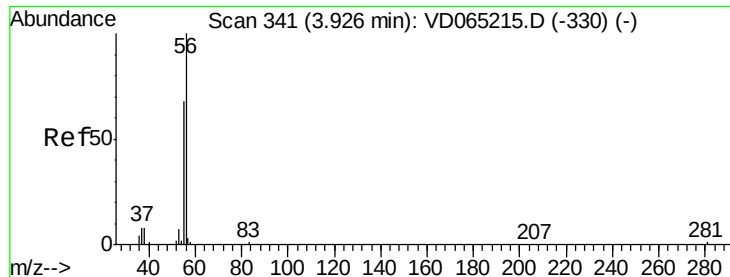


Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#13

Acrolein

Concen: 222.489 ug/l

RT: 3.93 min Scan# 342

Delta R.T. 0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 70728

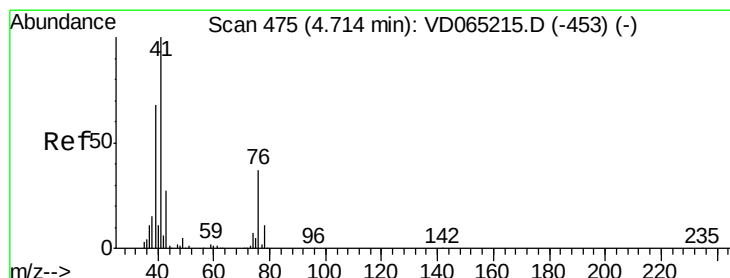
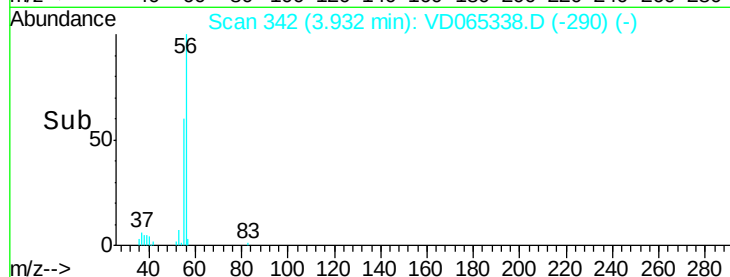
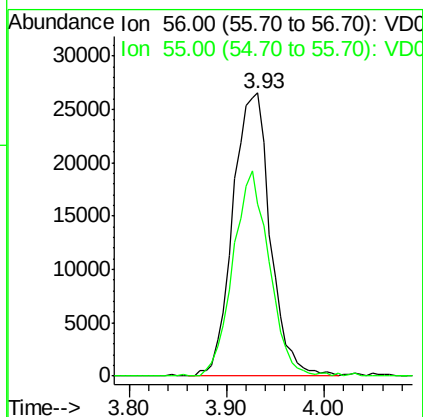
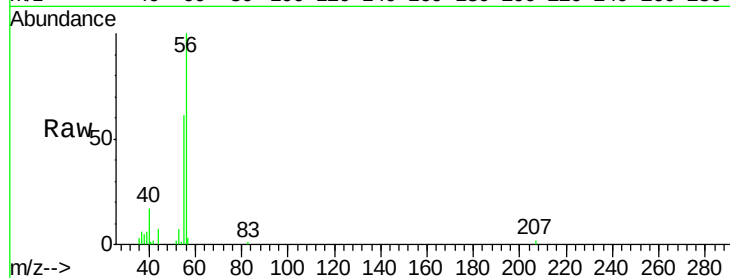
Ion Ratio Lower Upper

56 100

55 70.1 56.6 85.0

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#14

Allyl chloride

Concen: 49.313 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

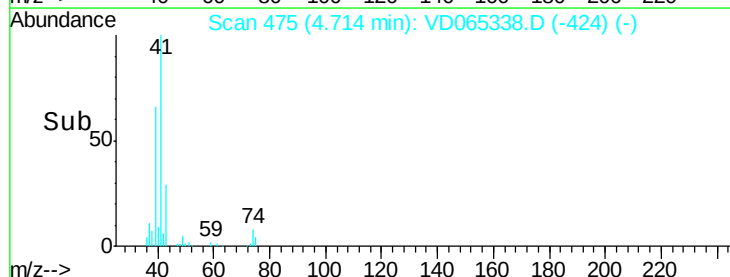
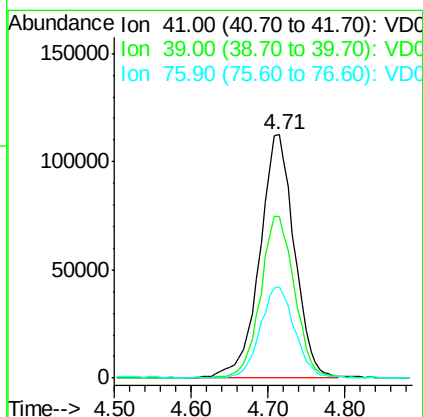
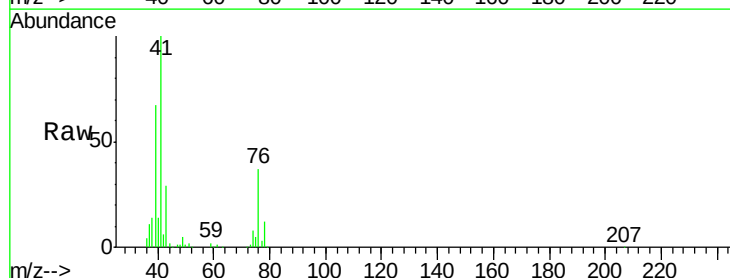
Tgt Ion: 41 Resp: 353319

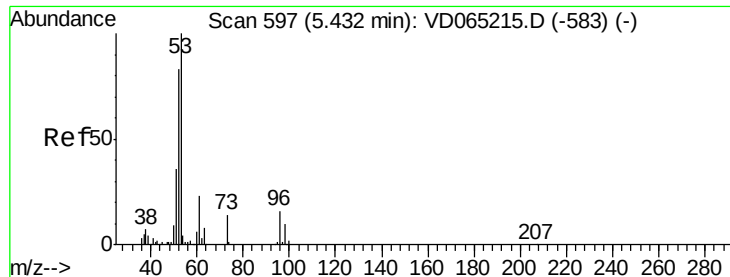
Ion Ratio Lower Upper

41 100

39 65.3 53.8 80.6

76 36.5 28.7 43.1





#15

Acrylonitrile

Concen: 235.389 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

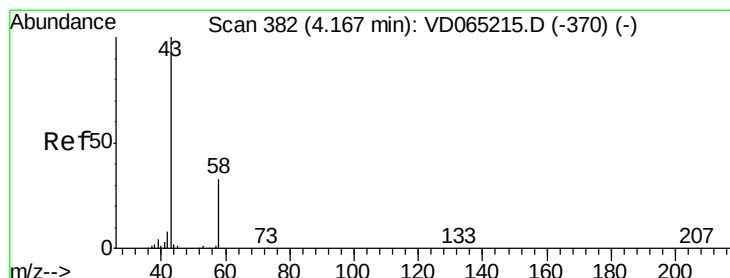
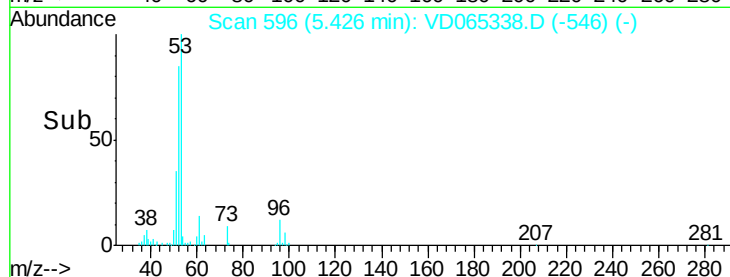
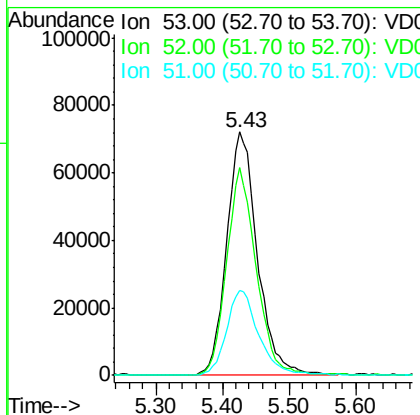
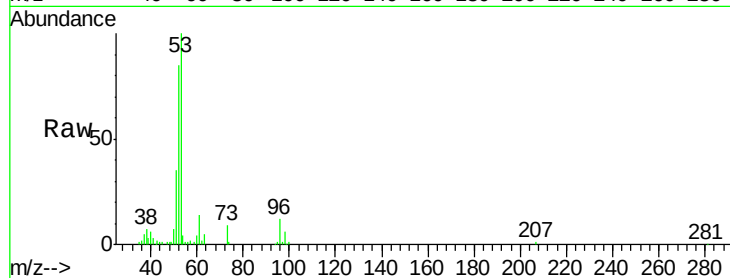
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	232664
Ion Ratio	Lower	Upper	
53	100		
52	82.0	65.4	98.2
51	36.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 260.657 ug/l

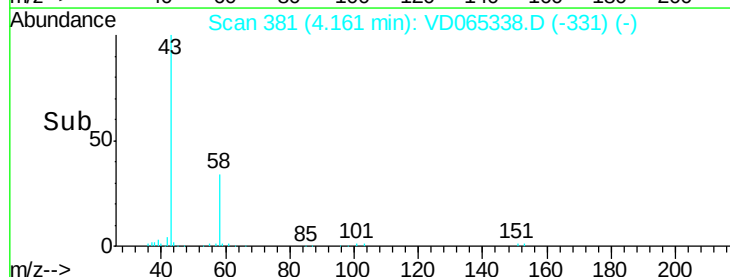
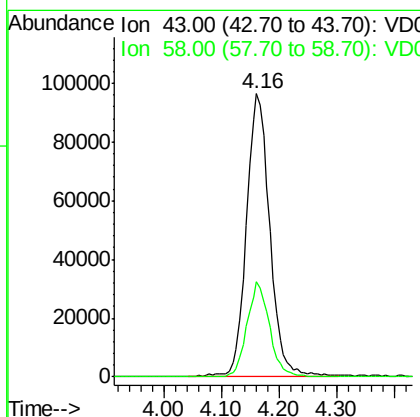
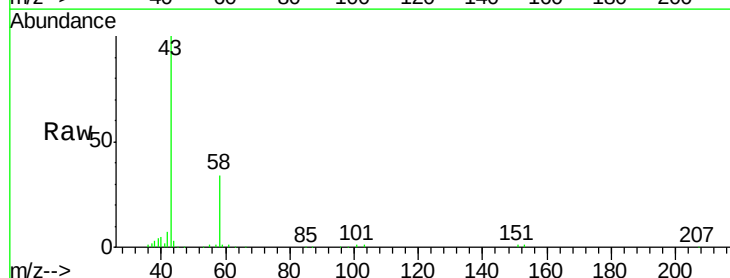
RT: 4.16 min Scan# 381

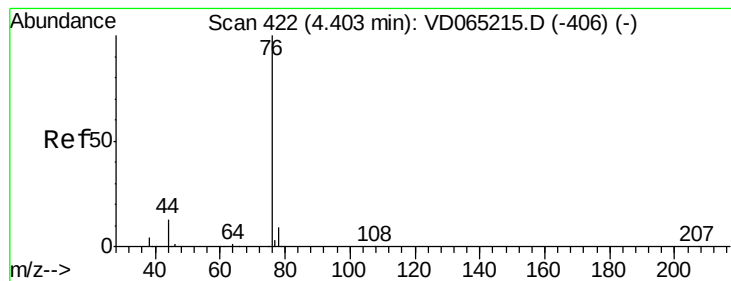
Delta R.T. -0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion:	43	Resp:	272779
Ion Ratio	Lower	Upper	
43	100		
58	33.7	26.2	39.2





#17

Carbon Disulfide

Concen: 48.413 ug/l

RT: 4.40 min Scan# 422

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 716136

Ion Ratio Lower Upper

76 100

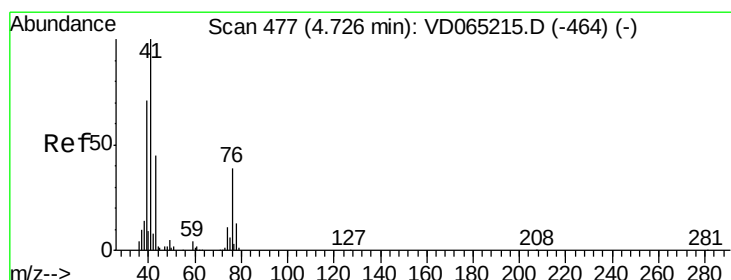
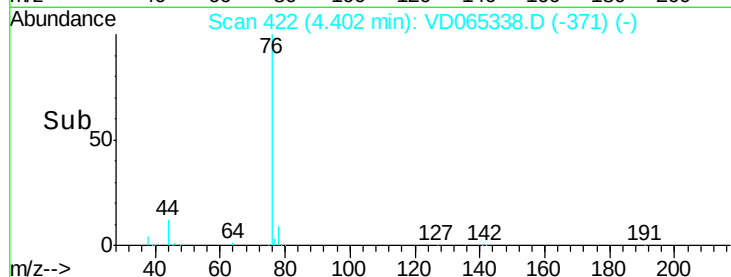
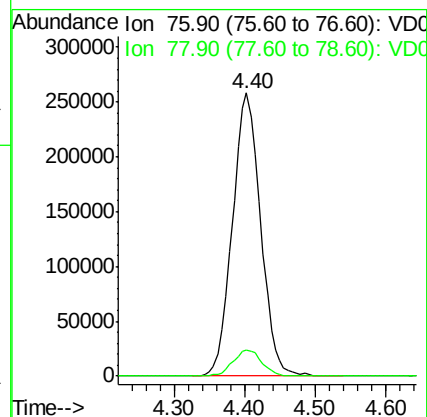
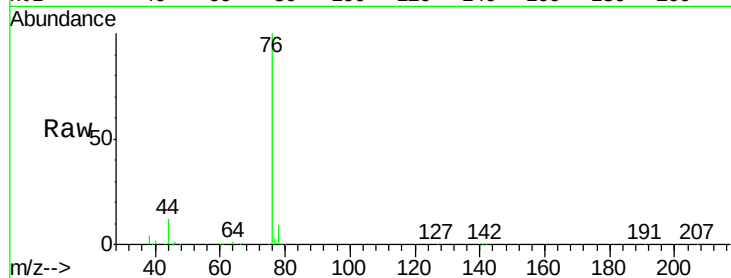
78 9.2 7.0 10.6

Manual Integrations

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#18

Methyl Acetate

Concen: 45.771 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065338.D

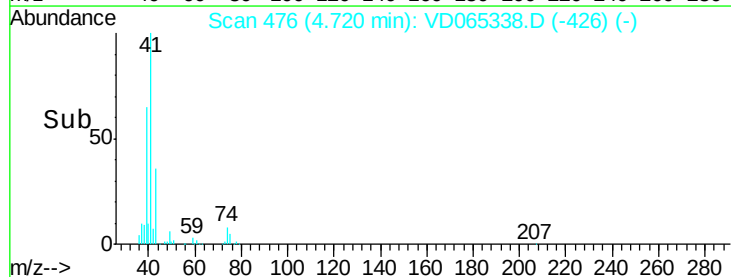
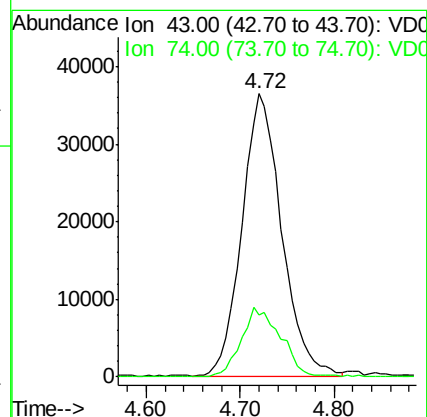
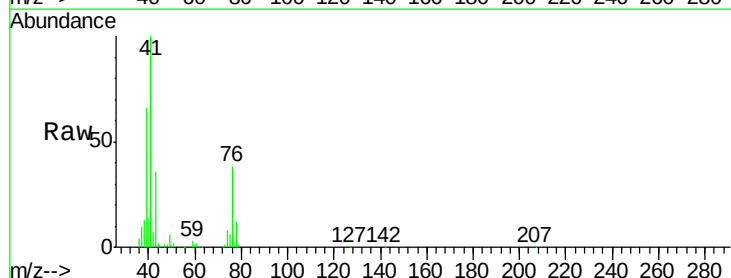
Acq: 27 Feb 2020 10:10

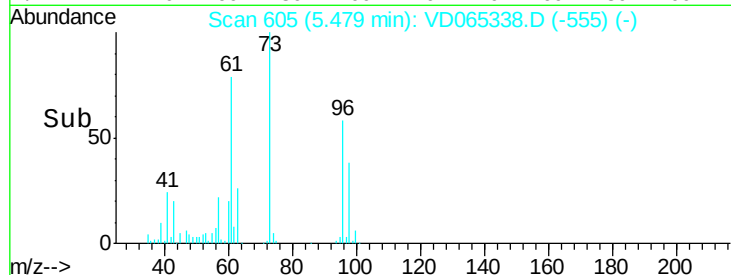
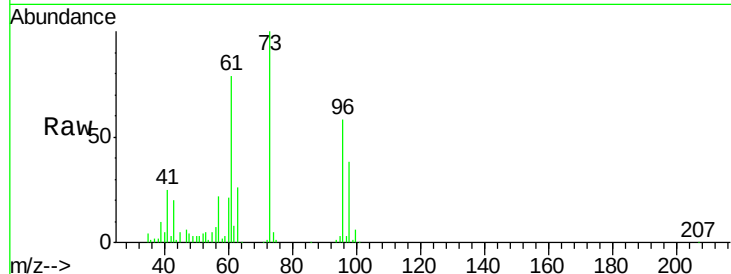
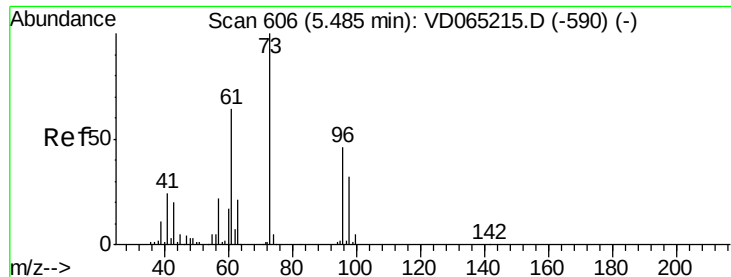
Tgt Ion: 43 Resp: 107731

Ion Ratio Lower Upper

43 100

74 24.1 19.4 29.2





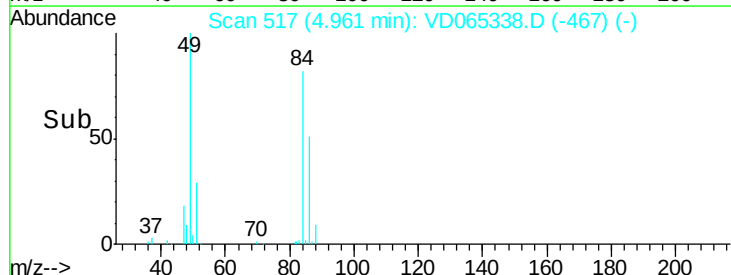
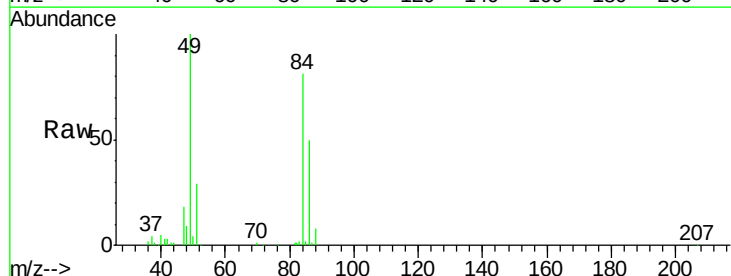
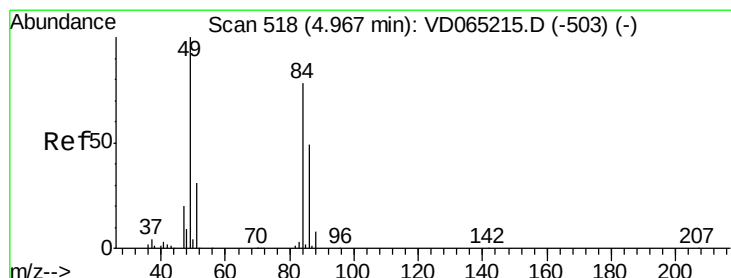
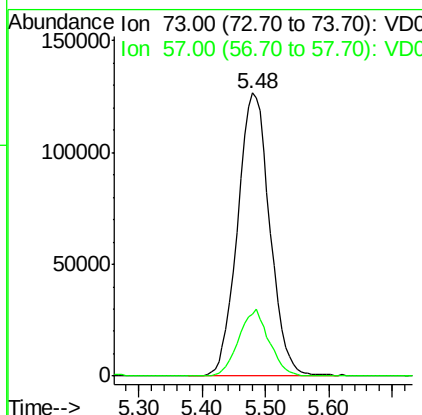
#19
Methyl tert-butyl Ether
Concen: 48.513 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tot Ion: 73 Resp: 446356
Ion Ratio Lower Upper
73 100
57 21.9 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

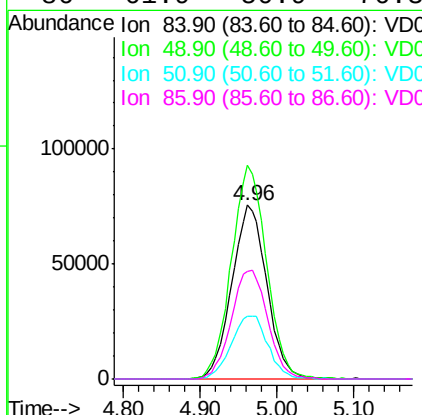
Manual Integrations
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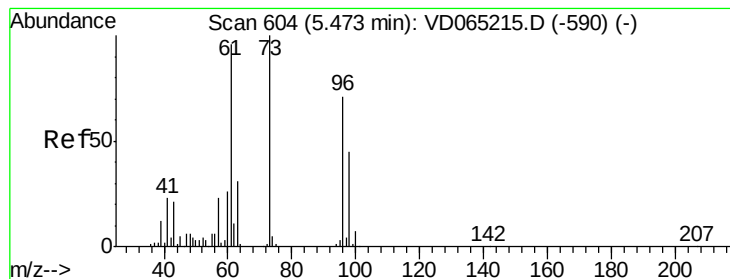
MMDadoda
2/28/2020 9:59:06 AM



#20
Methylene Chloride
Concen: 51.840 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion: 84 Resp: 240723
Ion Ratio Lower Upper
84 100
49 122.8 103.1 154.7
51 35.7 31.7 47.5
86 61.9 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.037 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

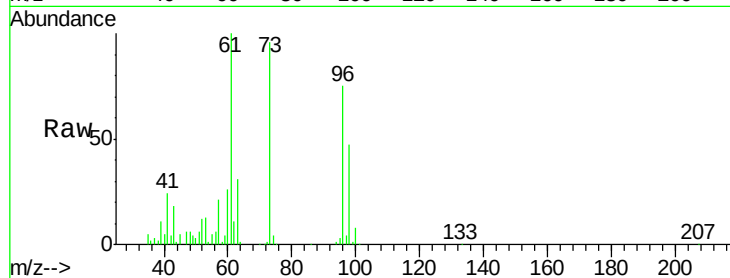
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	255991
Ion	Ratio	Lower	Upper
96	100		
61	134.1	108.3	162.5
98	62.6	50.7	76.1

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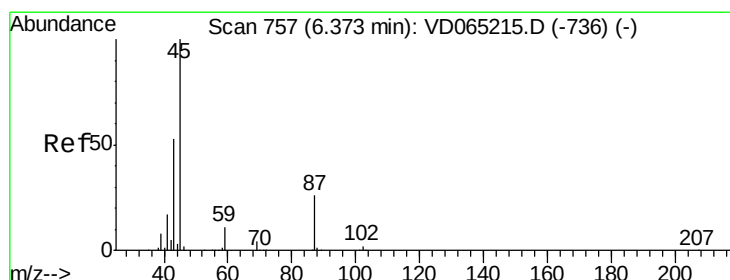
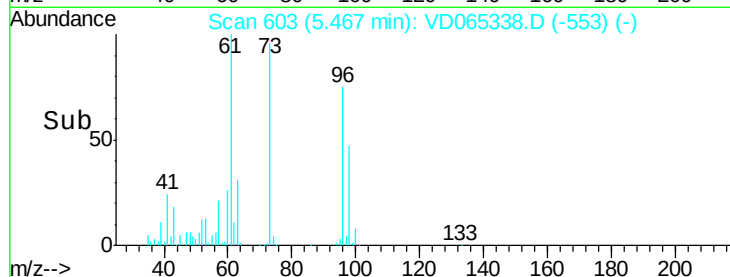
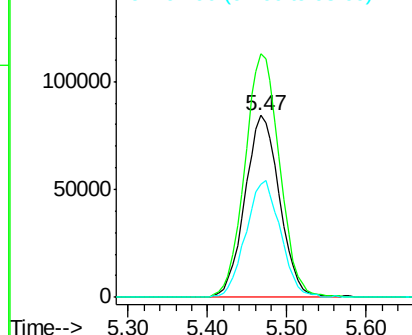


Abundance

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: 50.520 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion:	45	Resp:	697802
Ion	Ratio	Lower	Upper
45	100		
43	53.4	42.6	64.0
87	28.1	21.2	31.8
59	11.4	8.9	13.3

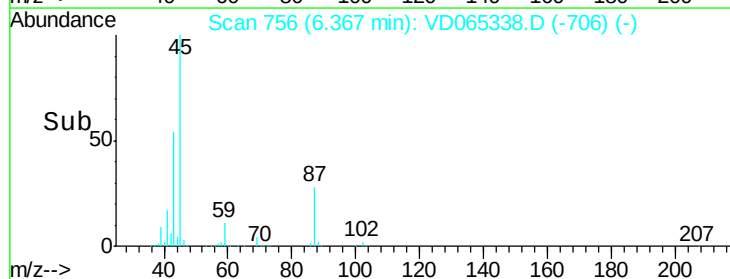
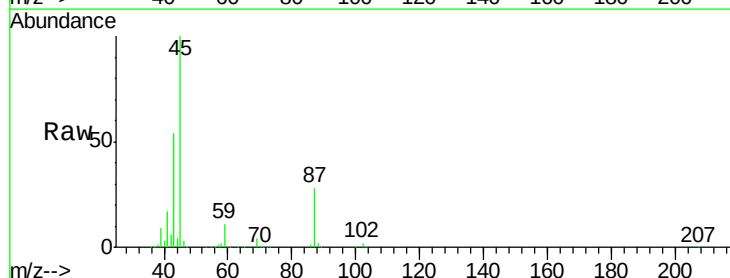
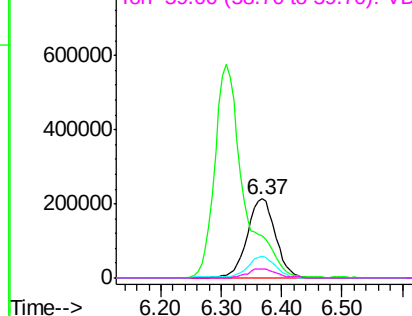
Abundance

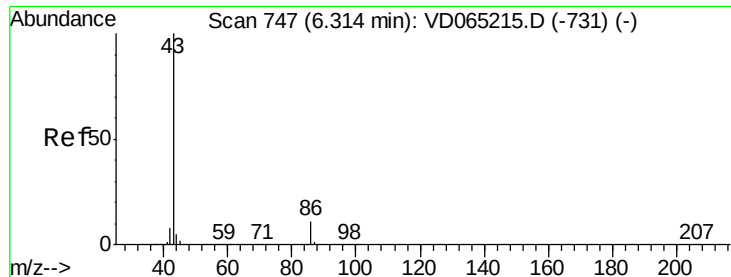
Ion 45.00 (44.70 to 45.70): VDC

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: 250.279 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1905796

Ion Ratio Lower Upper

43 100

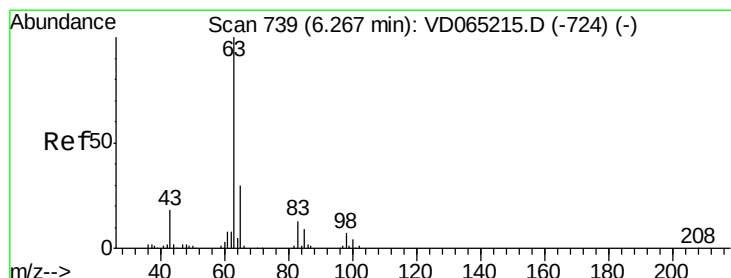
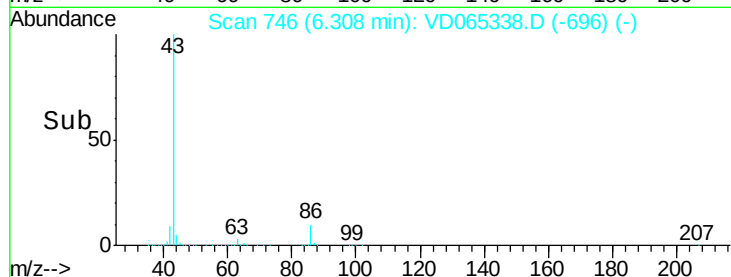
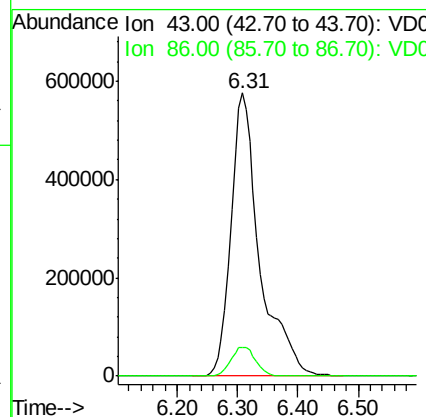
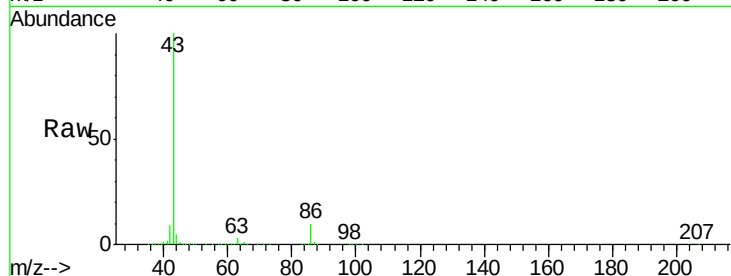
86 10.3 8.6 12.8

Manual Integrations

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#24

1,1-Dichloroethane

Concen: 50.165 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

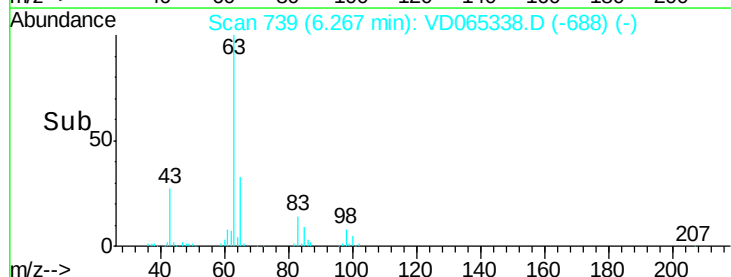
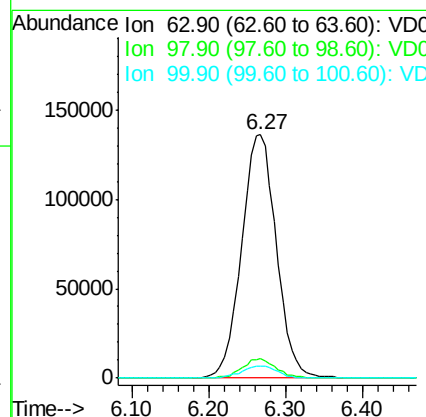
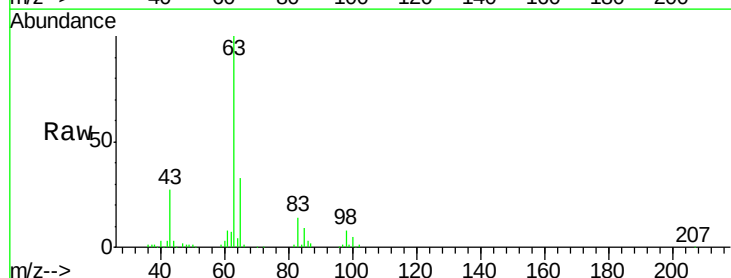
Tgt Ion: 63 Resp: 429774

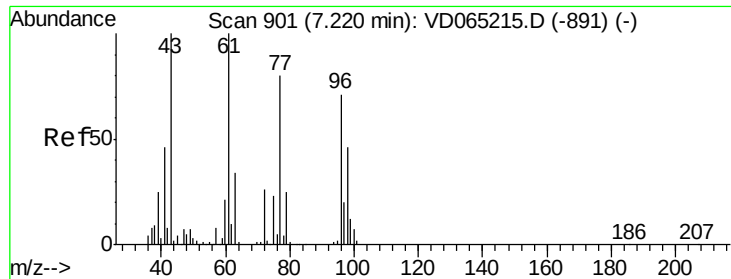
Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

100 4.7 2.3 6.8





#25

2-Butanone

Concen: 238.209 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 315402

Ion Ratio Lower Upper

43 100

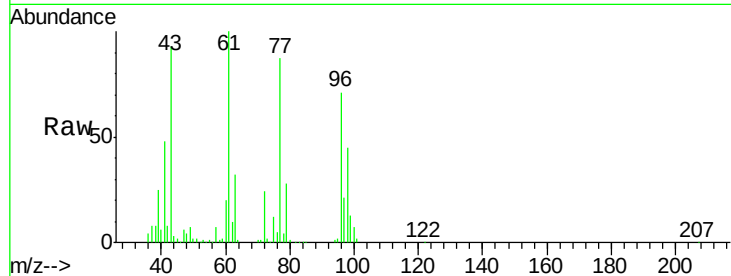
72 26.1 20.9 31.3

Manual Integrations

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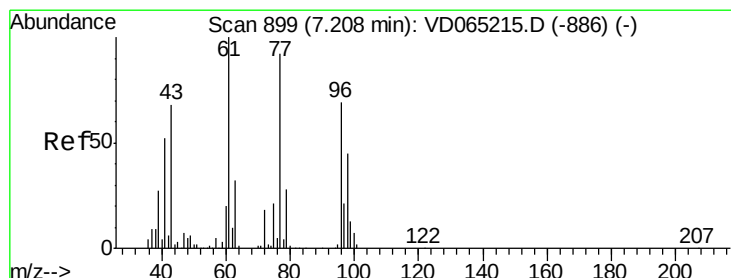
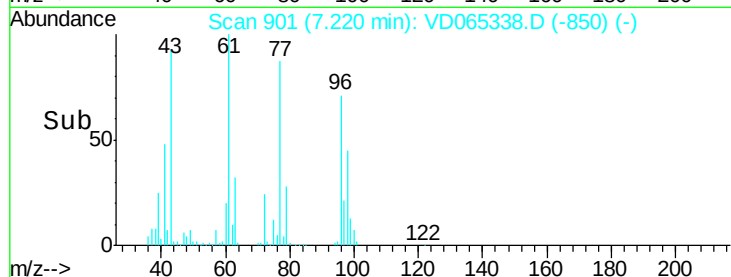
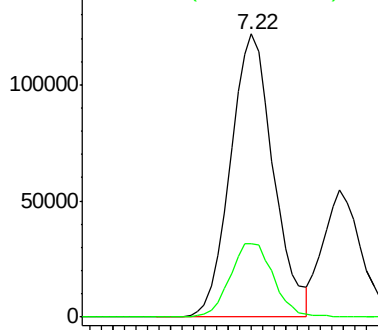
MMDadoda

2/28/2020 9:59:06 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 51.401 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065338.D

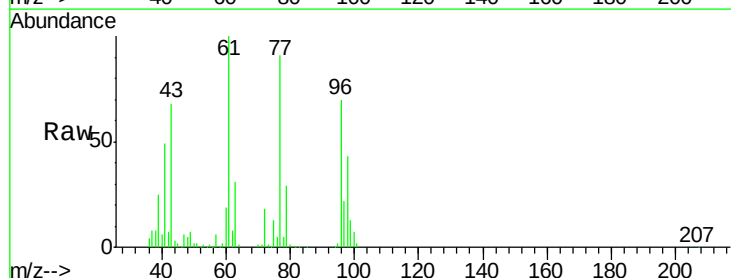
Acq: 27 Feb 2020 10:10

Tgt Ion: 77 Resp: 382077

Ion Ratio Lower Upper

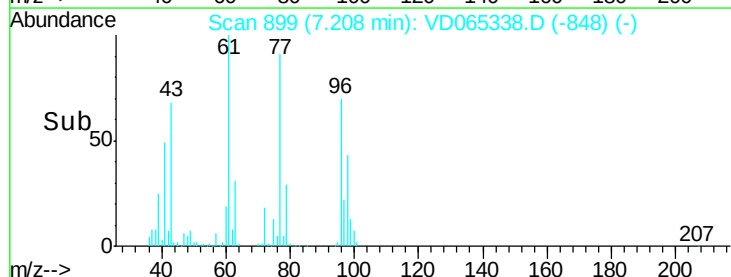
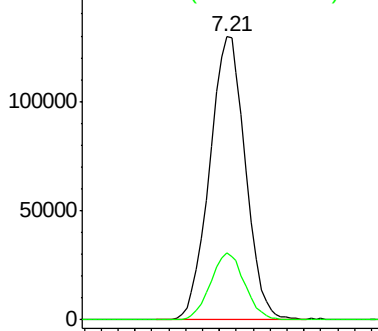
77 100

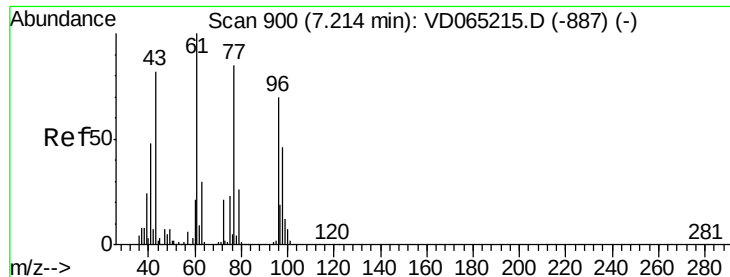
97 22.8 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





#27

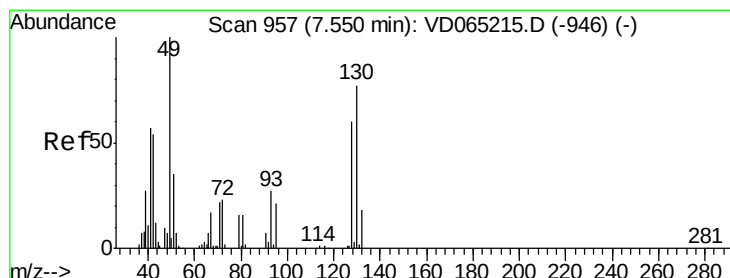
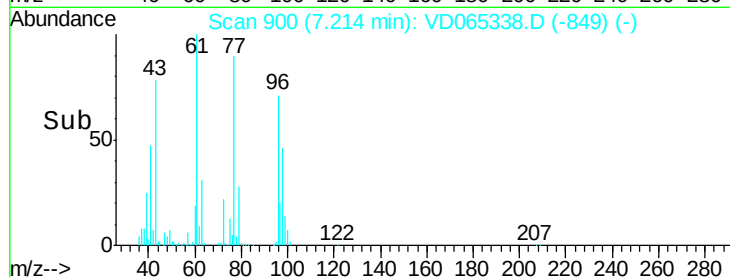
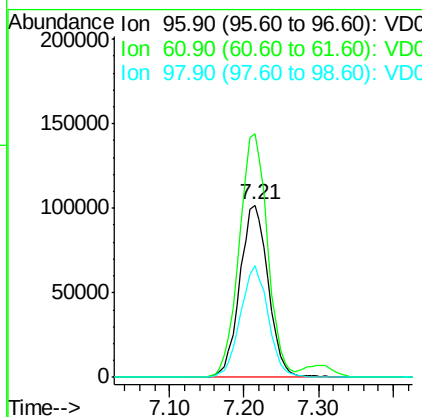
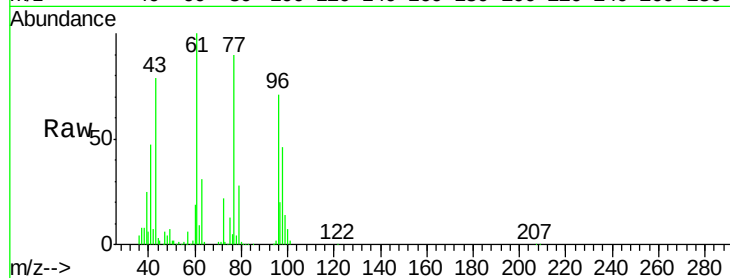
cis-1,2-Dichloroethene
Concen: 50.805 ug/l
RT: 7.21 min Scan# 900
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	269926		
61	140.7	0.0	286.0	
98	63.2	0.0	127.8	

Manual Integrations
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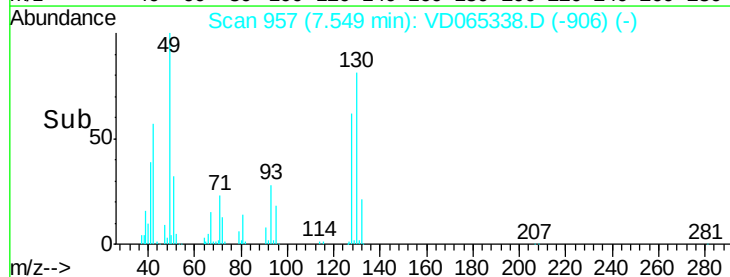
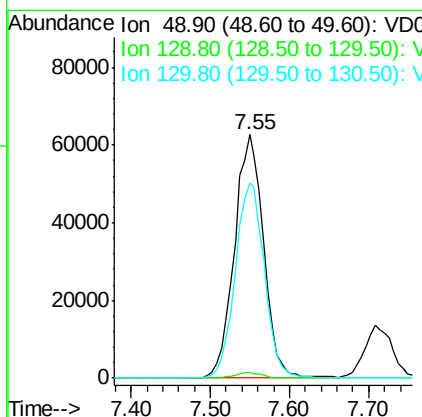
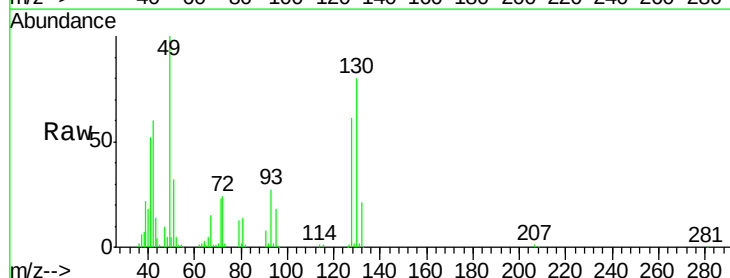
MMDadoda
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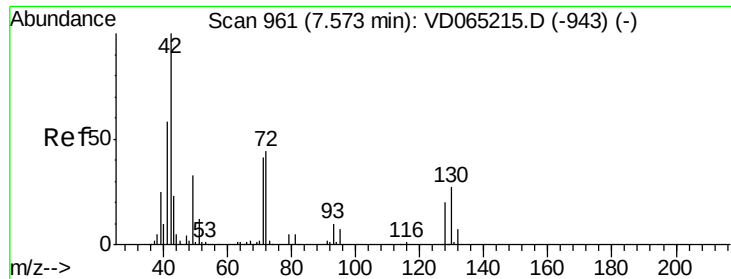


#28

Bromochloromethane
Concen: 50.077 ug/l
RT: 7.55 min Scan# 957
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	159166		
129	2.0	0.0	4.6	
130	80.4	64.7	97.1	





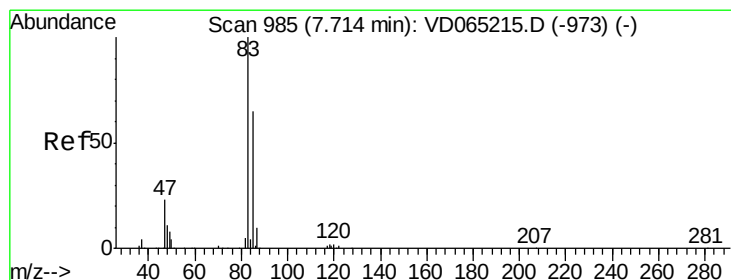
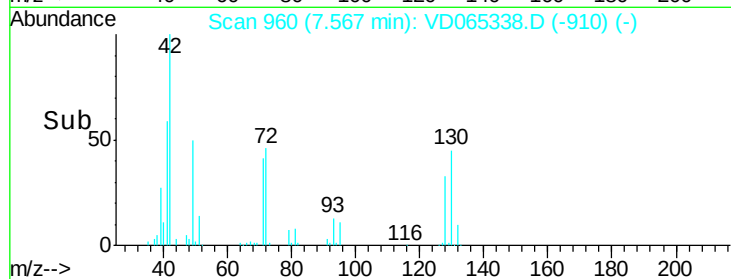
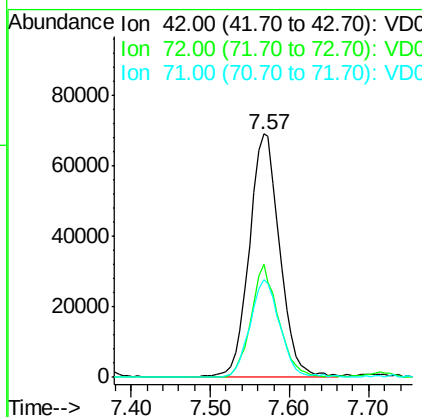
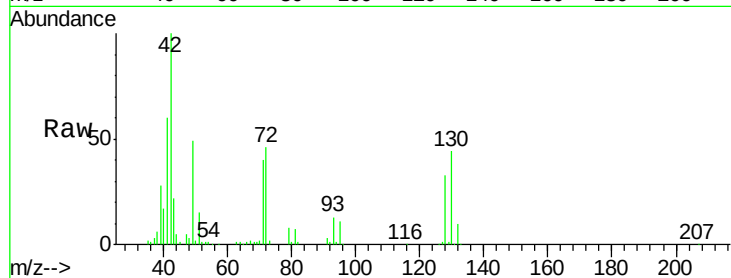
#29
Tetrahydrofuran
Concen: 239.419 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.7	33.7	50.5
71	39.4	31.4	47.2

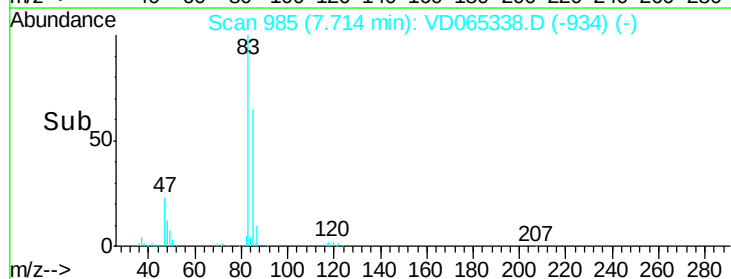
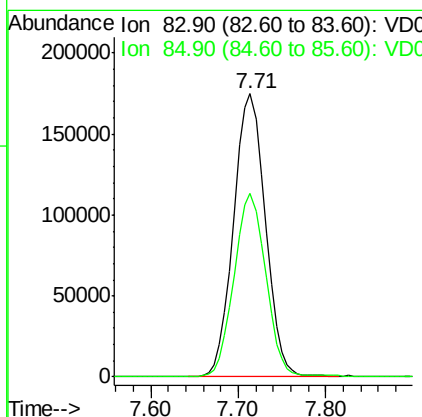
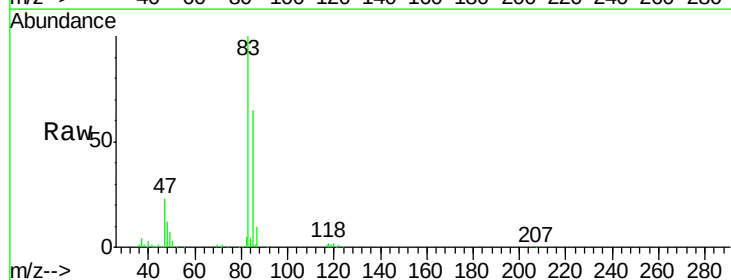
Manual Integrations
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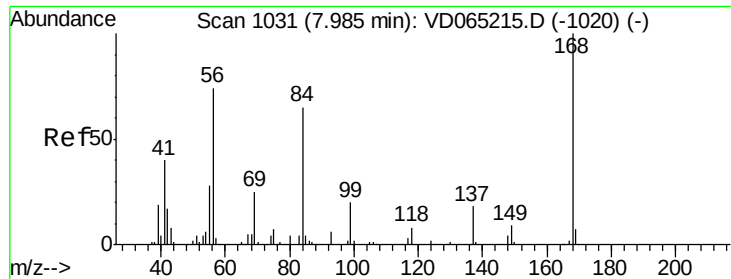
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#30
Chloroform
Concen: 49.961 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	52.3	78.5





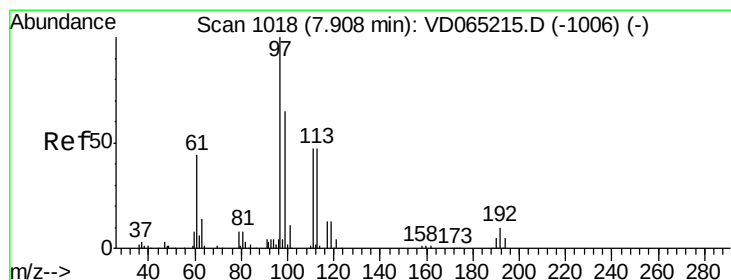
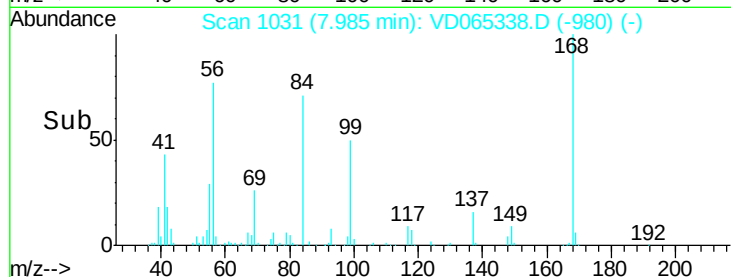
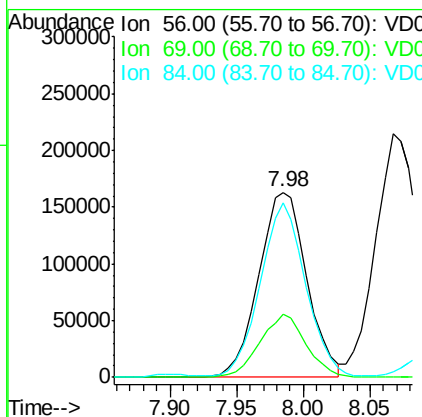
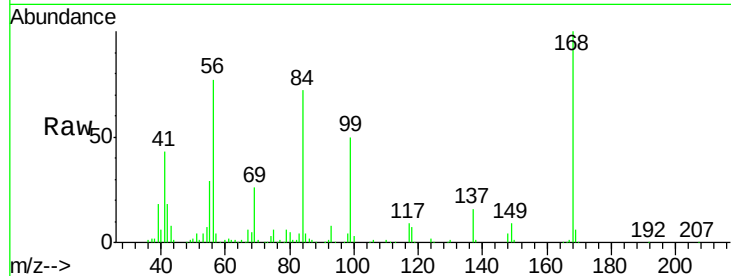
#31
Cyclohexane
Concen: 48.347 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	34.2	27.4	41.0
84	93.2	71.1	106.7

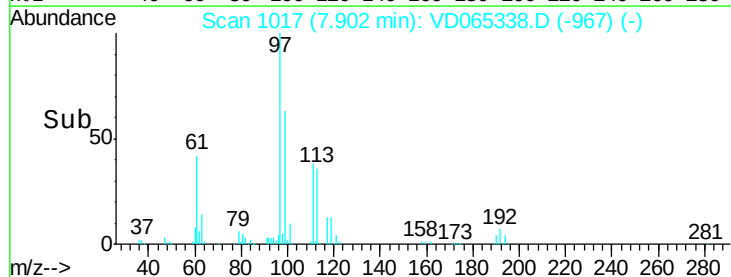
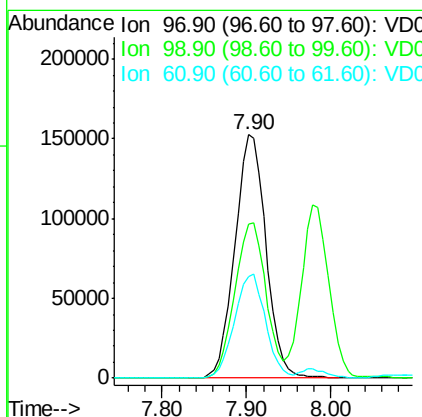
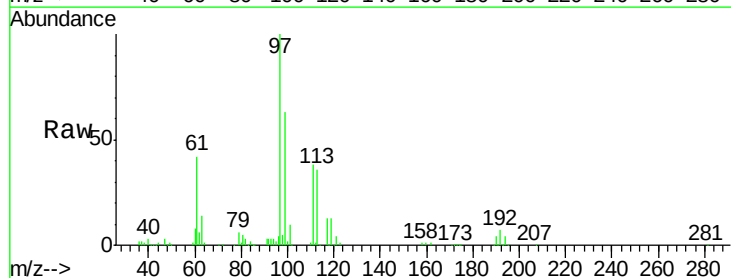
Manual Integrations
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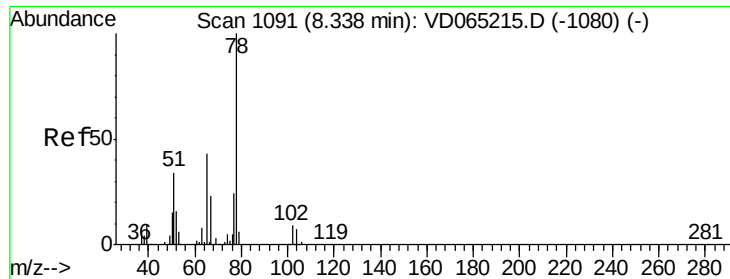
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#32
1,1,1-Trichloroethane
Concen: 50.338 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.4	77.2
61	42.8	34.8	52.2





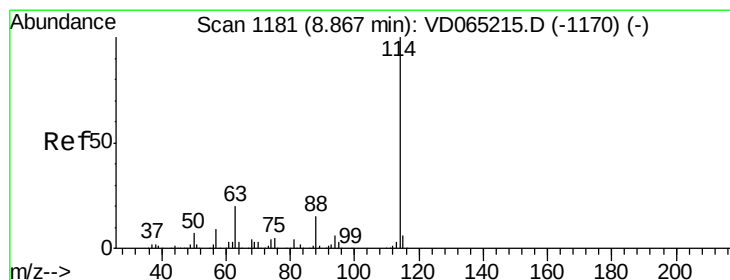
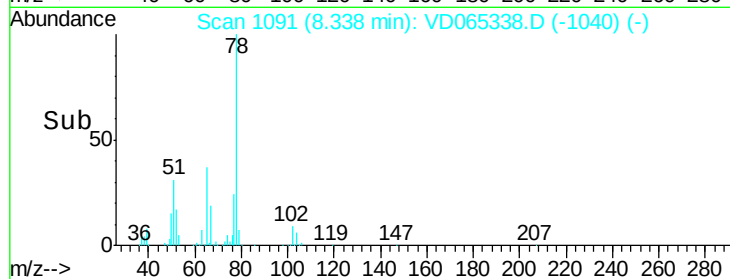
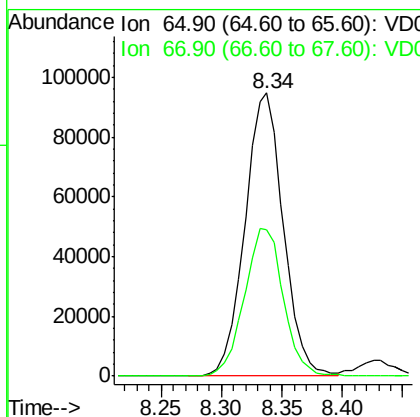
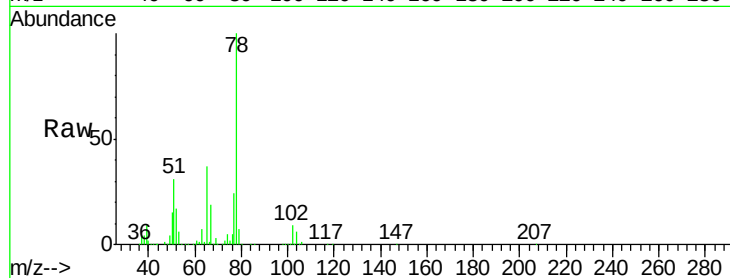
#33
 1,2-Dichloroethane-d4
 Concen: 49.054 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.8

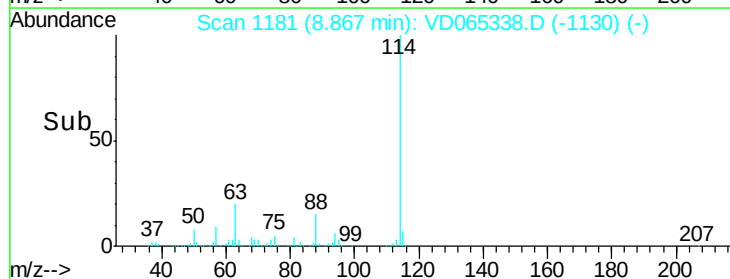
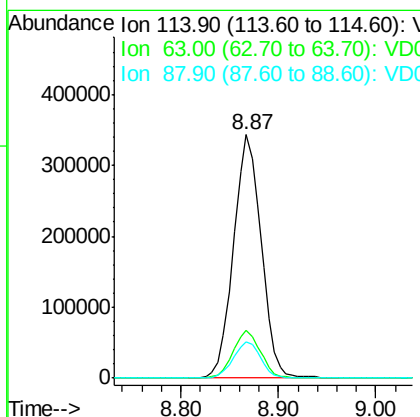
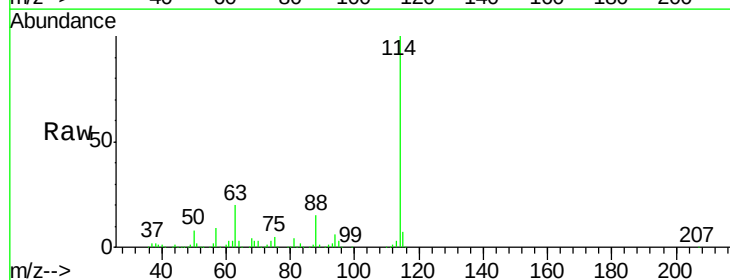
Manual Integrations
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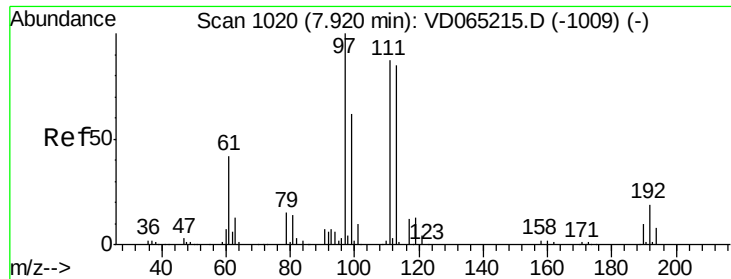
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 2/28/2020 9:59:06 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	14.7	0.0	30.4





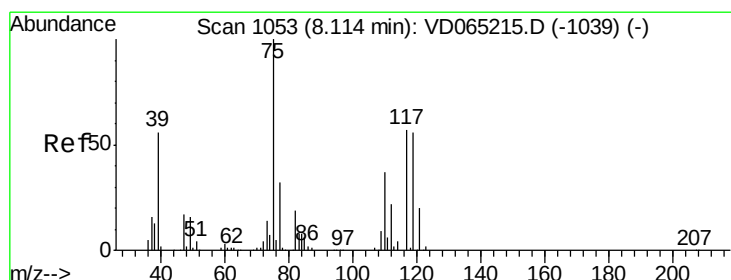
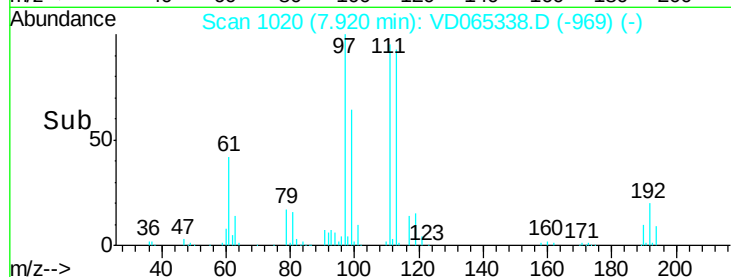
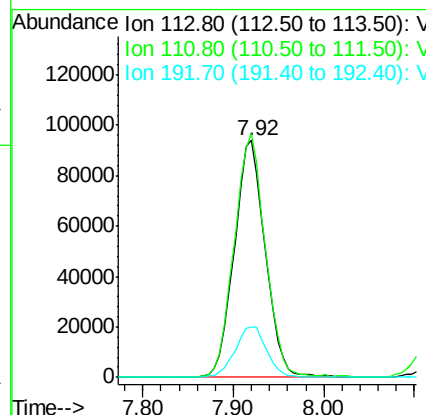
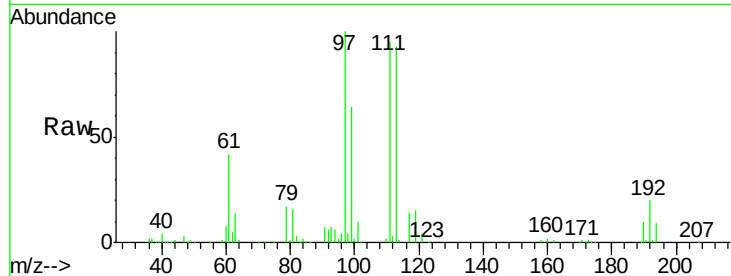
#35
 Dibromofluoromethane
 Concen: 54.037 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	223453		
111	103.3	82.9	124.3	
192	21.9	17.3	25.9	

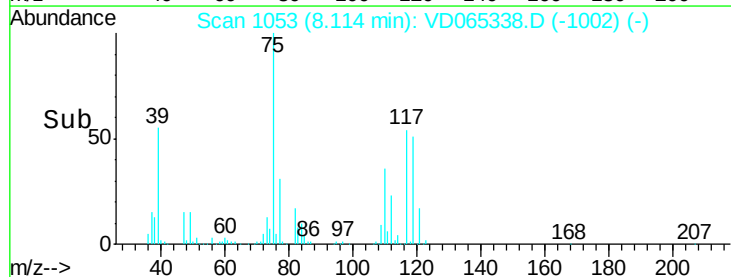
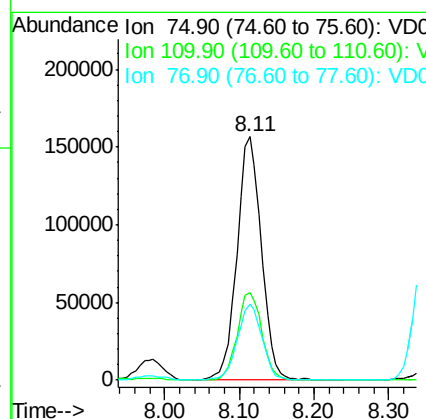
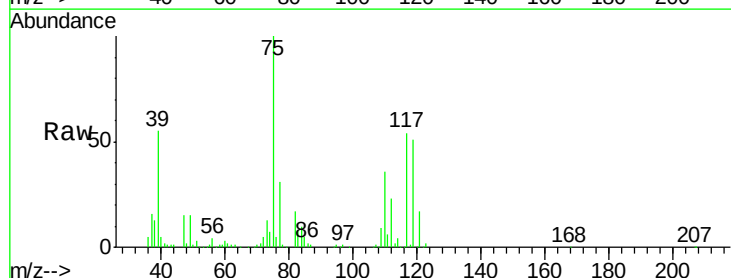
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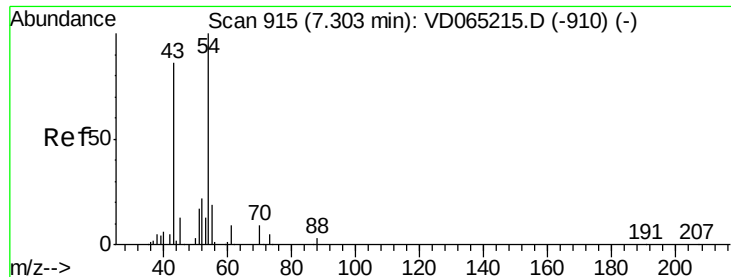
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#36
 1,1-Dichloropropene
 Concen: 53.817 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	355131		
110	36.4	17.9	53.7	
77	31.7	25.1	37.7	





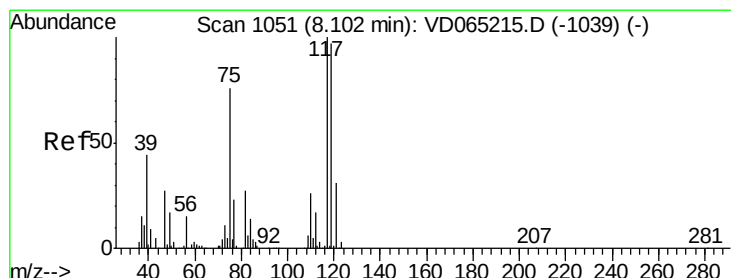
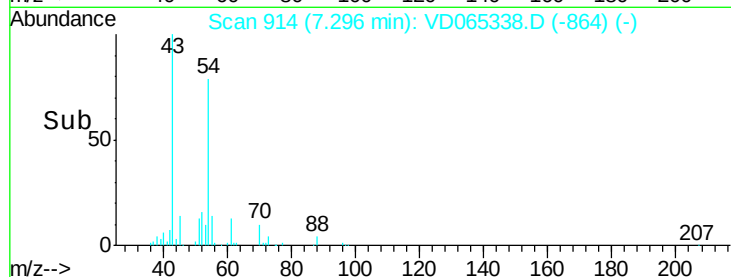
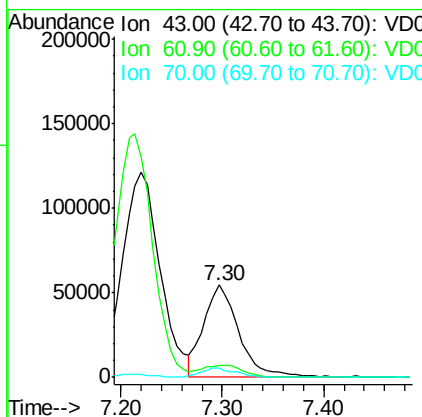
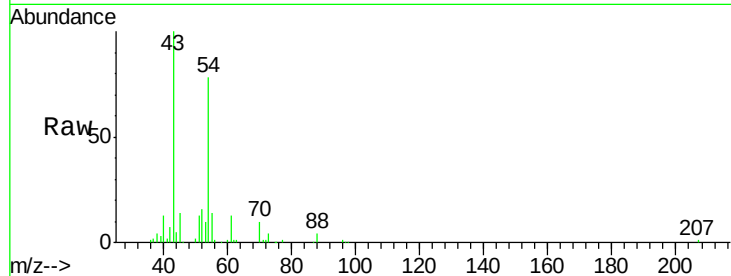
#37
Ethyl Acetate
Concen: 46.839 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.2	16.8
70	10.4	8.2	12.2

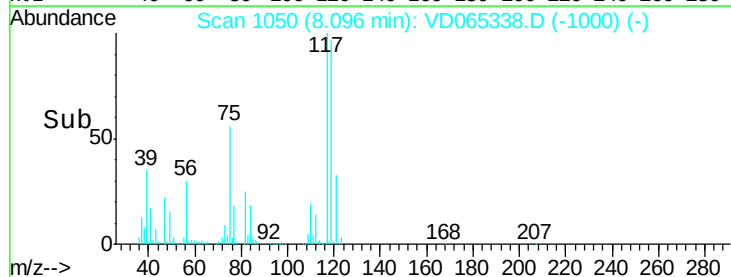
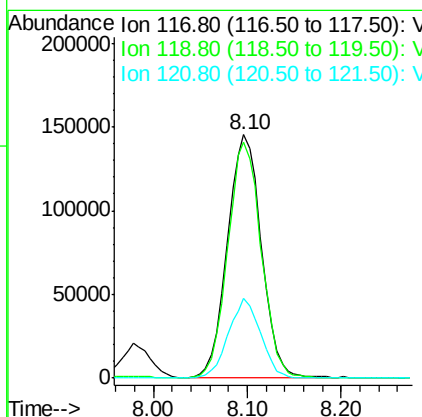
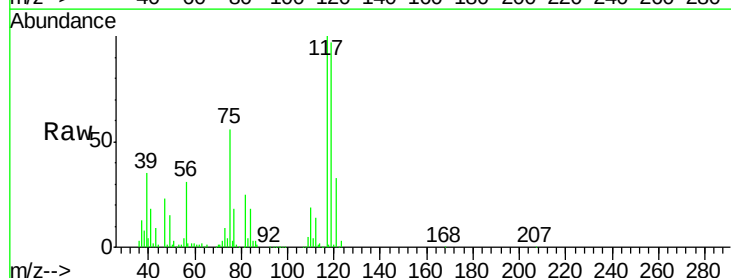
Manual Integrations
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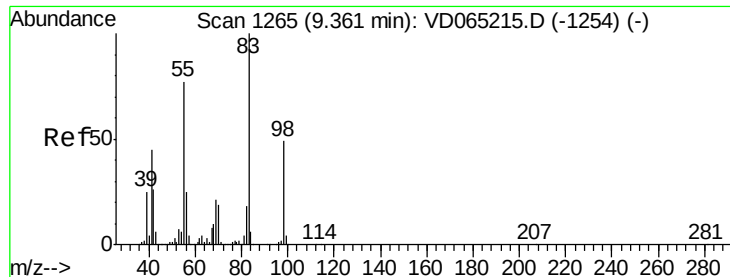
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#38
Carbon Tetrachloride
Concen: 53.927 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.1	77.6	116.4
121	32.9	24.8	37.2





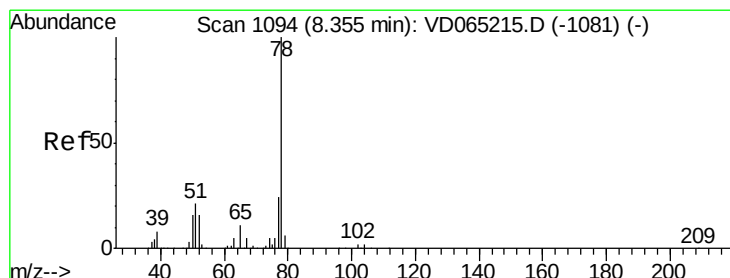
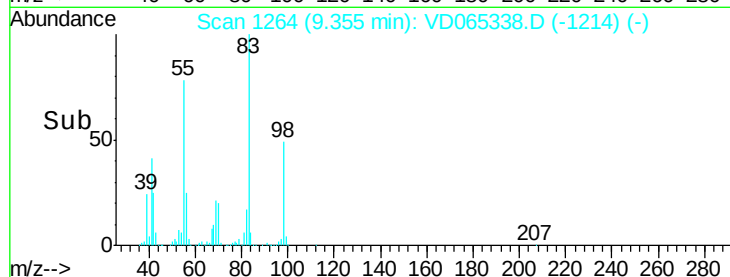
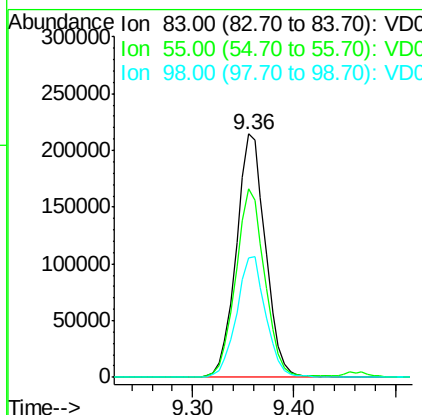
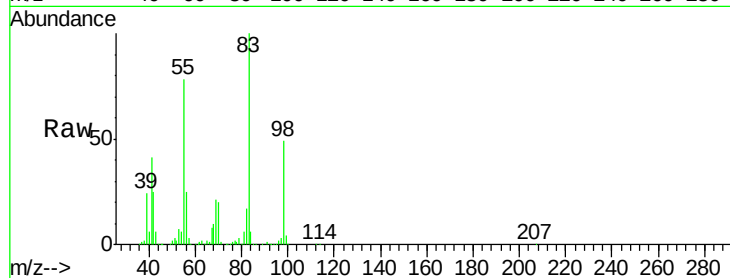
#39
Methylvlcyclohexane
Concen: 55.217 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.5	61.8	92.6
98	48.8	39.4	59.0

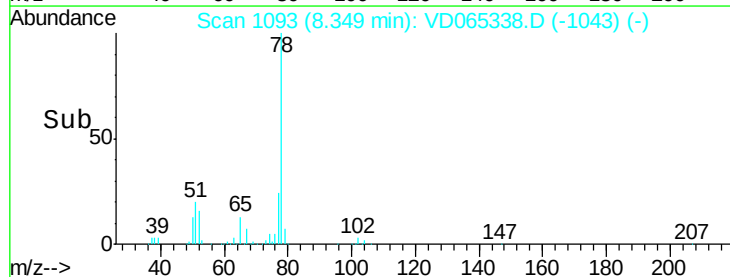
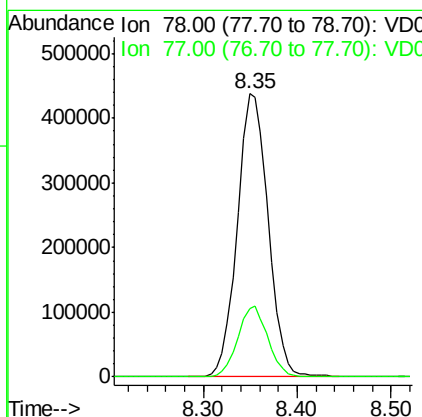
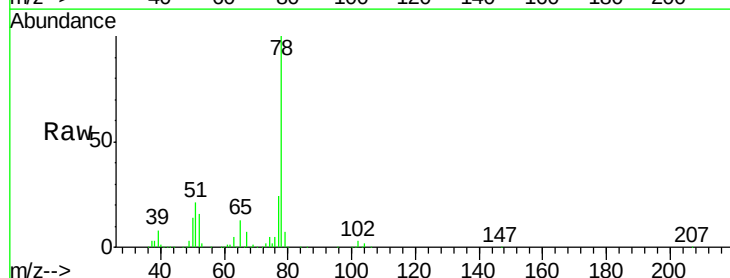
Manual Integrations
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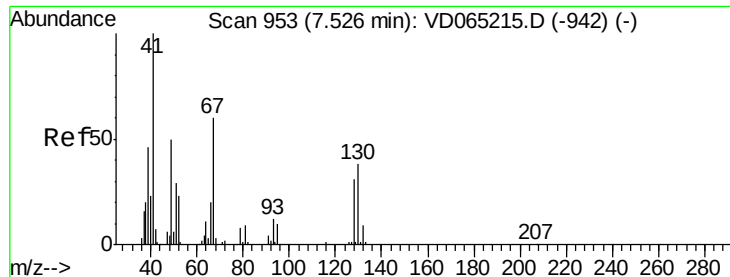
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#40
Benzene
Concen: 53.448 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.6





#41

Methacrylonitrile

Concen: 41.062 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

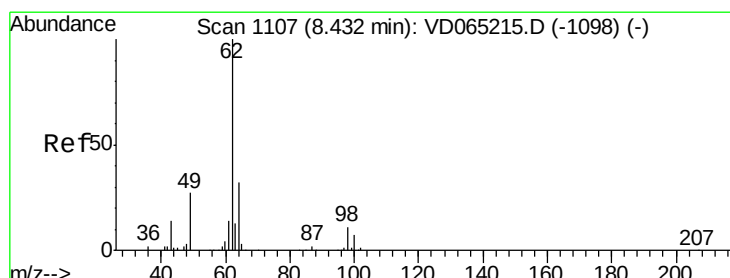
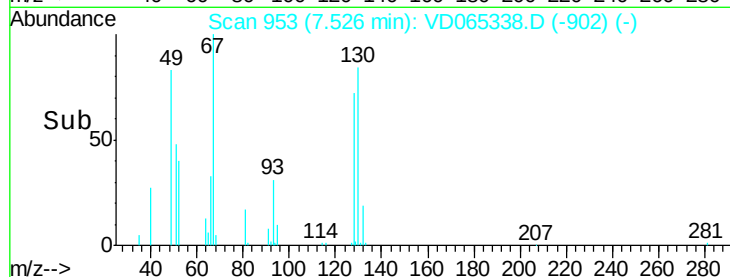
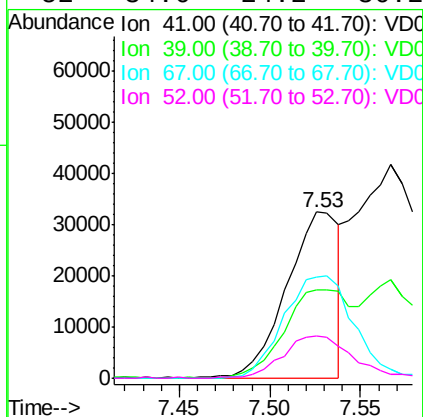
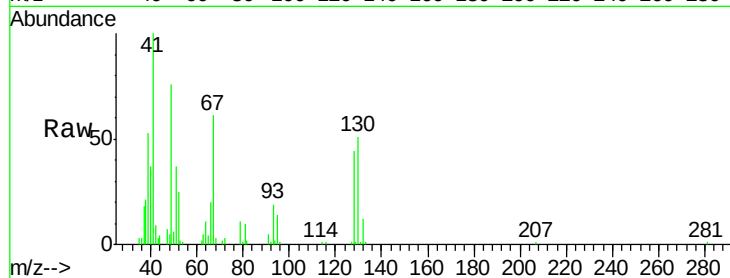
ClientSampleId :

VSTDCCC050

Tot Ion:	41	Resp:	65404
Ion	Ratio	Lower	Upper
41	100		
39	63.8	48.1	72.1
67	82.7	58.9	88.3
52	34.6	24.2	36.2

Manual Integrations
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2/28/2020 9:59:06 AM



#42

1,2-Dichloroethane

Concen: 48.904 ug/l

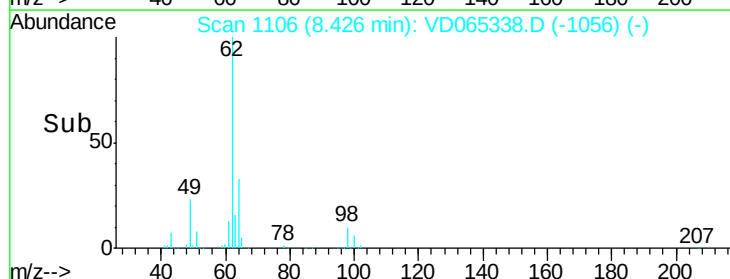
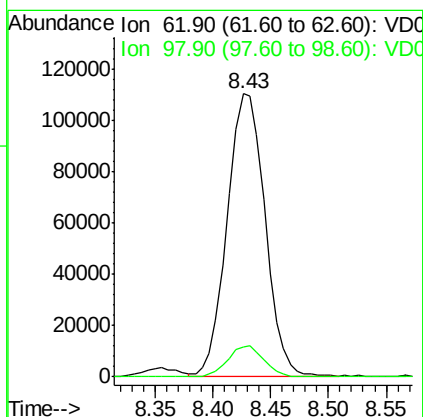
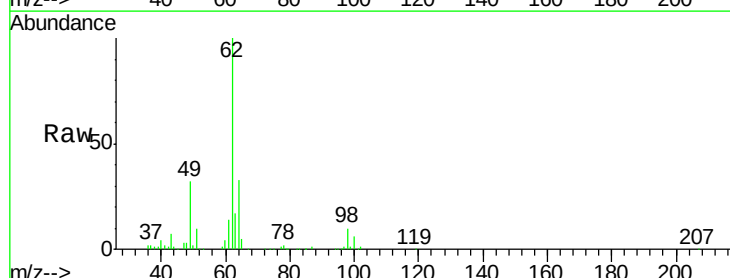
RT: 8.43 min Scan# 1106

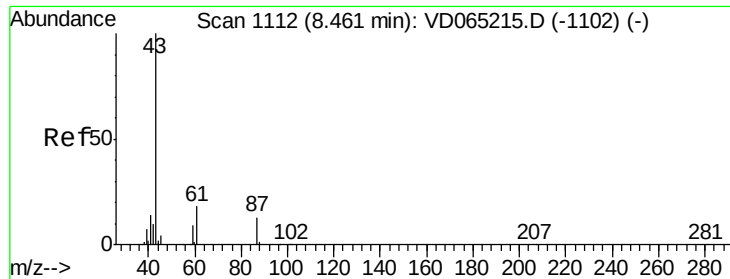
Delta R.T. -0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion:	62	Resp:	250414
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	20.6





#43

Isopropyl Acetate

Concen: 48.480 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

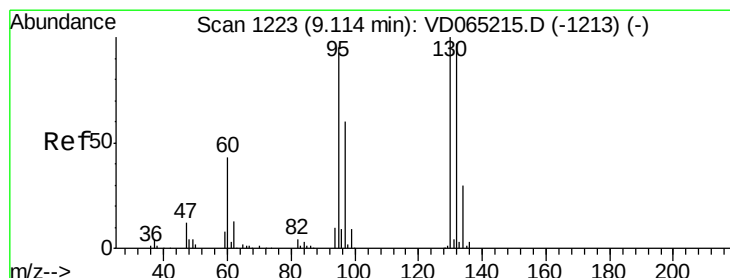
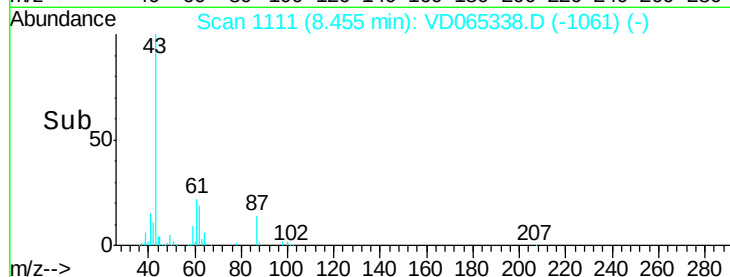
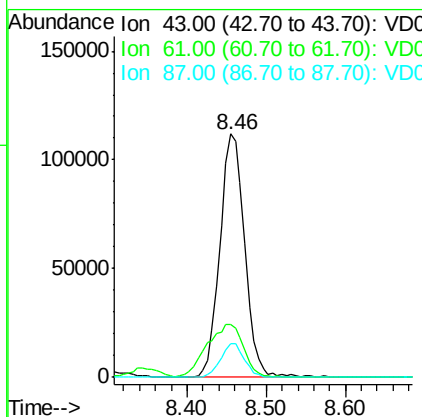
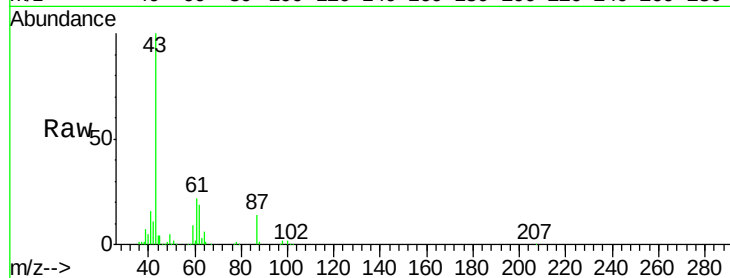
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	243198
Ion	Ratio	Lower	Upper
43	100		
61	32.1	24.6	36.8
87	13.3	10.6	16.0

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#44

Trichloroethene

Concen: 54.162 ug/l

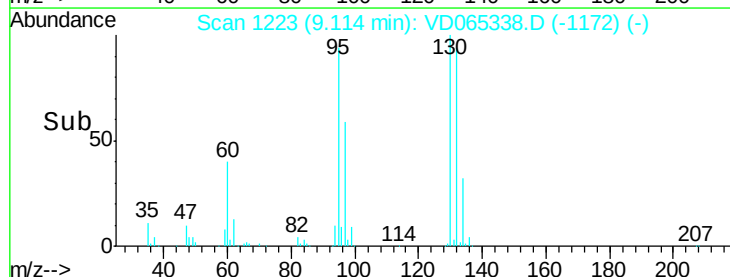
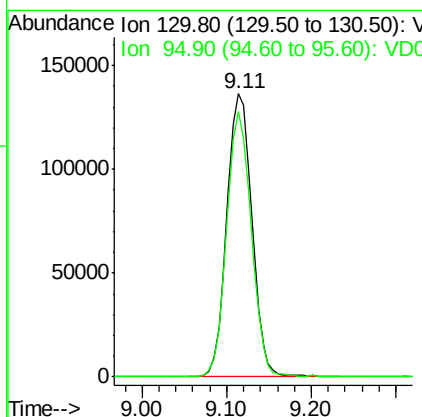
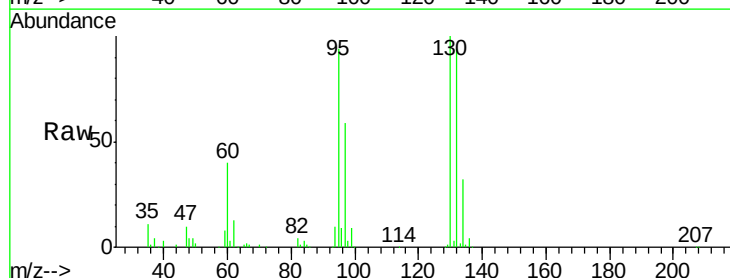
RT: 9.11 min Scan# 1223

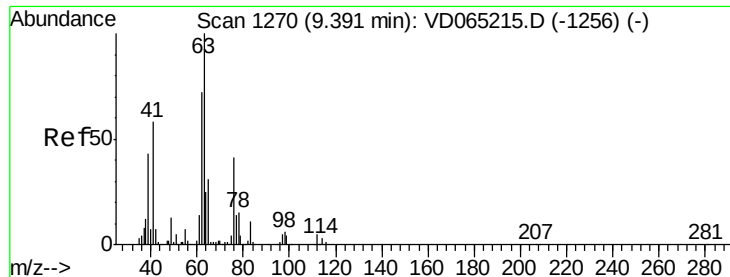
Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion:	130	Resp:	279637
Ion	Ratio	Lower	Upper
130	100		
95	93.9	0.0	190.6





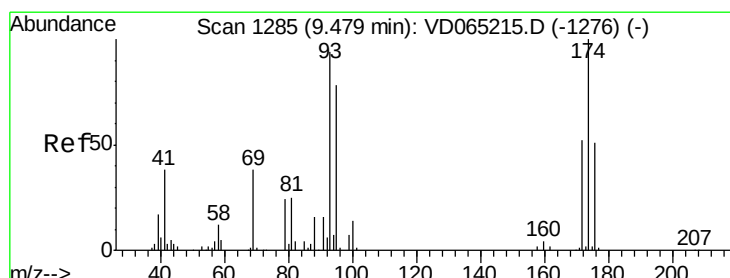
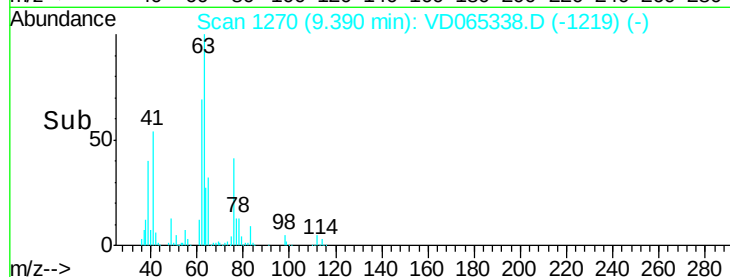
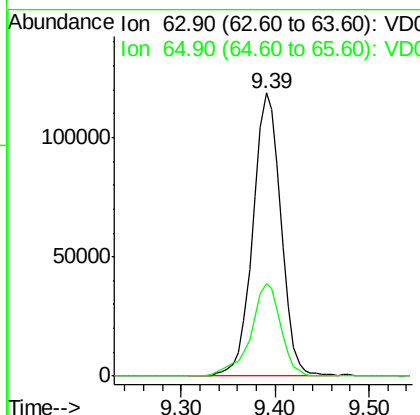
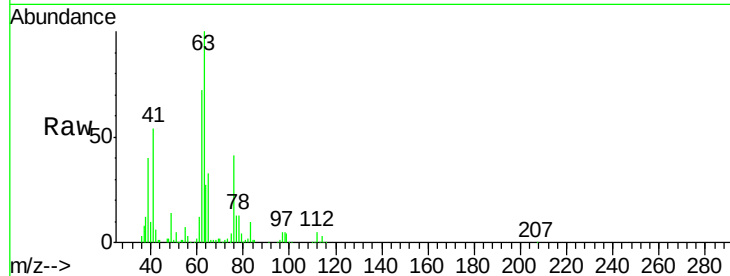
#45
 1,2-Dichloropropane
 Concen: 53.014 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.8	24.9	37.3

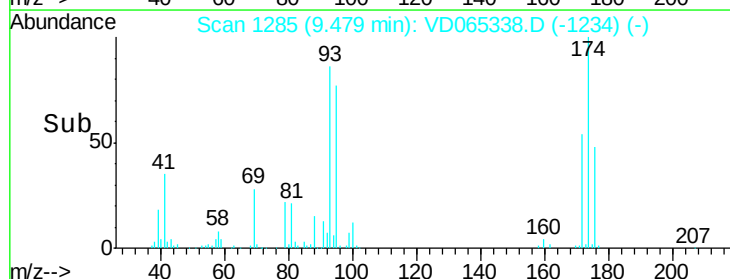
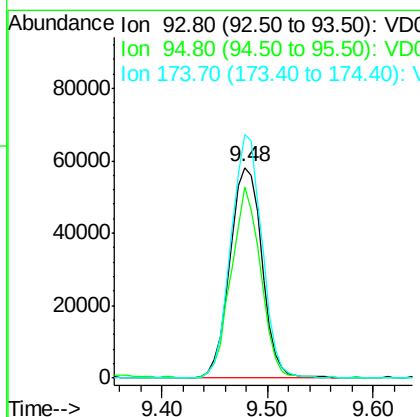
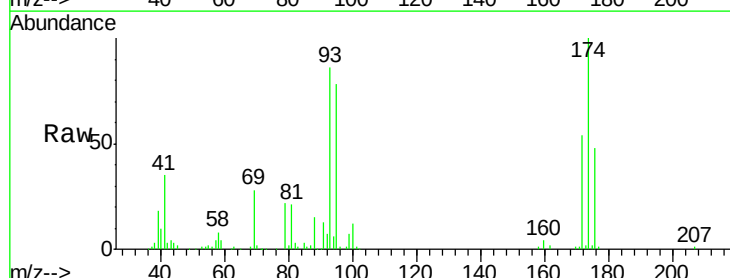
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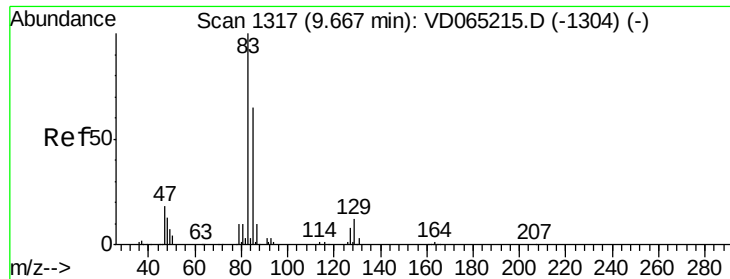
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#46
 Dibromomethane
 Concen: 51.343 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.6	65.8	98.6
174	111.1	86.8	130.2





#47

Bromodichloromethane

Concen: 52.029 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

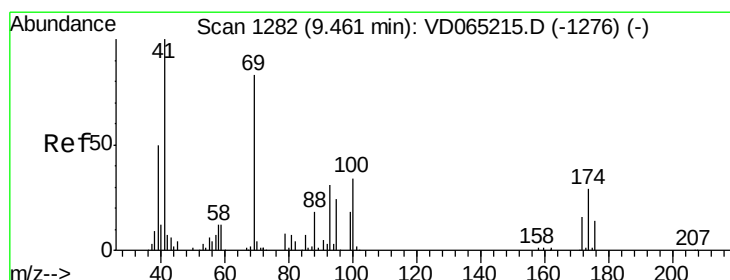
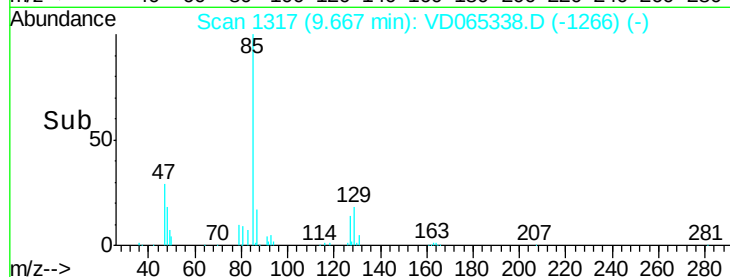
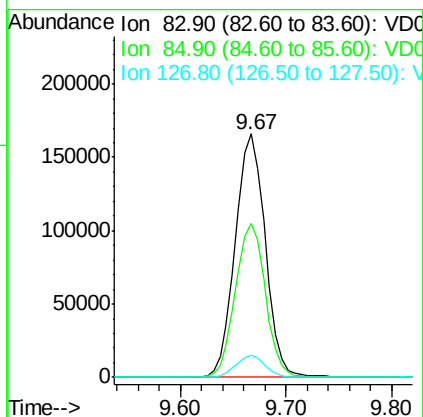
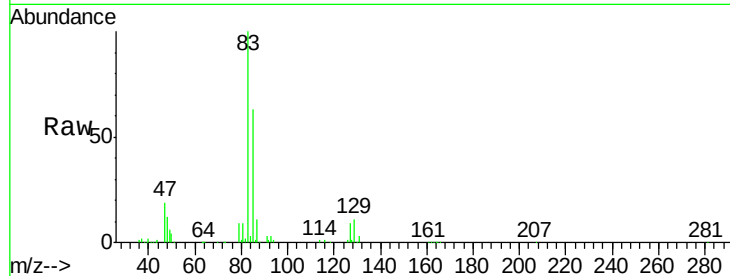
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	326739
Ion	Ratio	Lower	Upper
83	100		
85	63.5	52.0	78.0
127	9.1	6.7	10.1

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#48

Methyl methacrylate

Concen: 50.304 ug/l

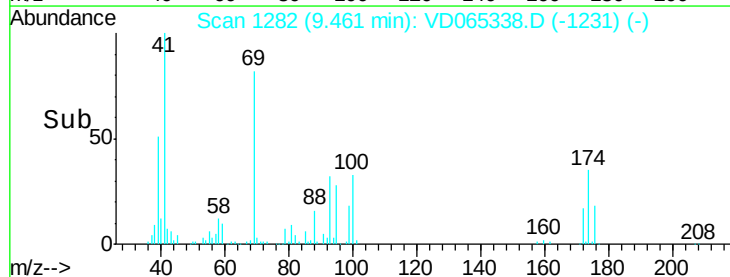
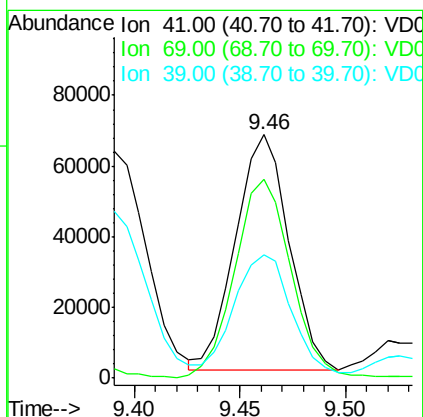
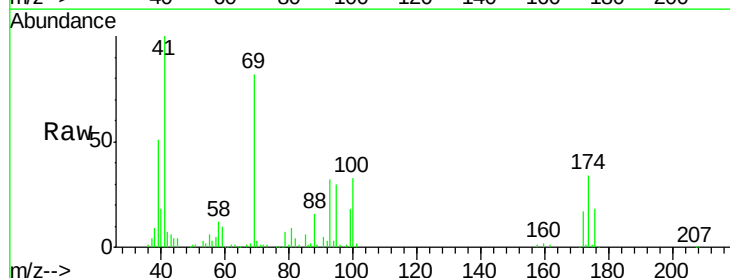
RT: 9.46 min Scan# 1282

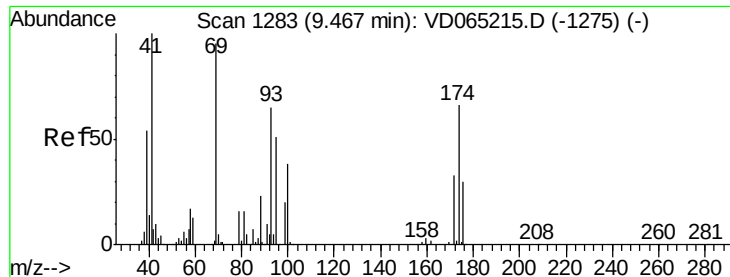
Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion:	41	Resp:	116642
Ion	Ratio	Lower	Upper
41	100		
69	88.4	68.2	102.2
39	52.0	42.0	63.0





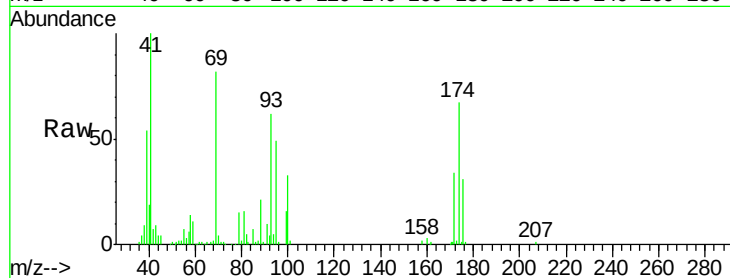
#49
1,4-Dioxane
Concen: 1002.694 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

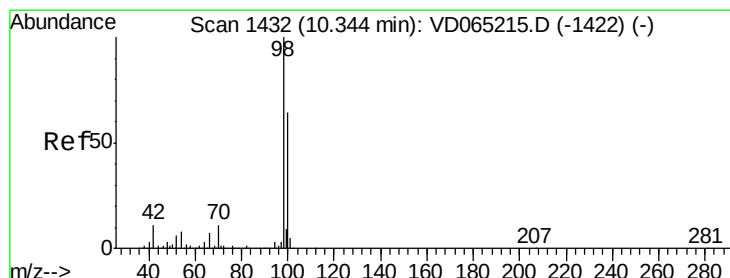
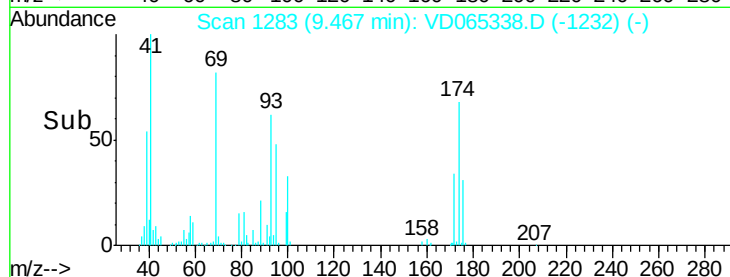
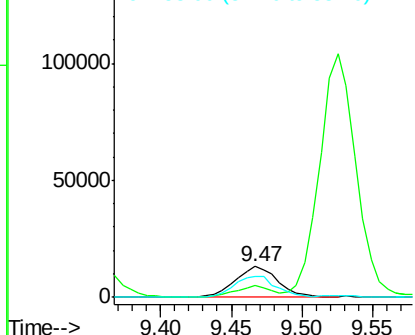
Tot Ion	Ratio	Lower	Upper
88	100		
43	28.6	28.5	42.7
58	66.4	58.6	87.8

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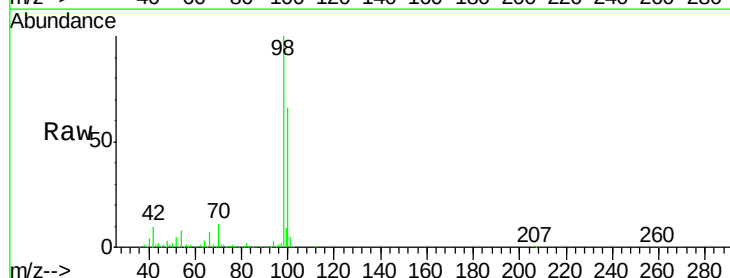


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

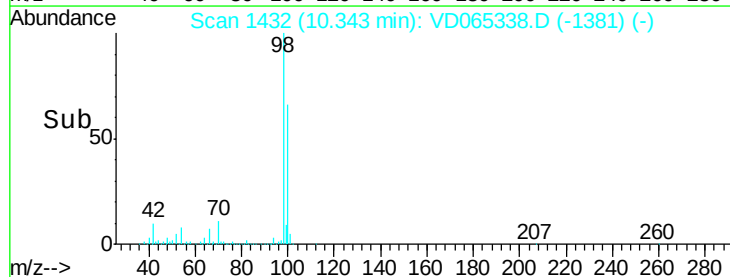
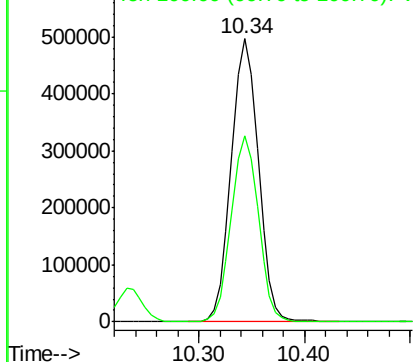


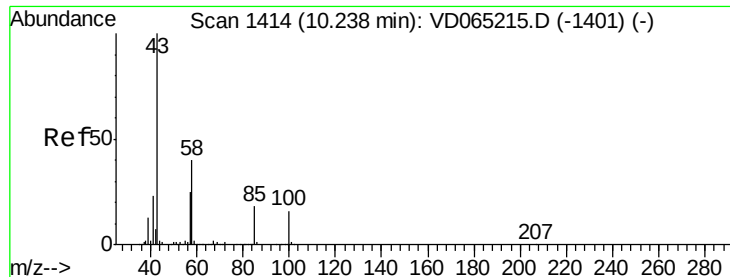
#50
Toluene-d8
Concen: 55.957 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.9	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: 250.972 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 639456

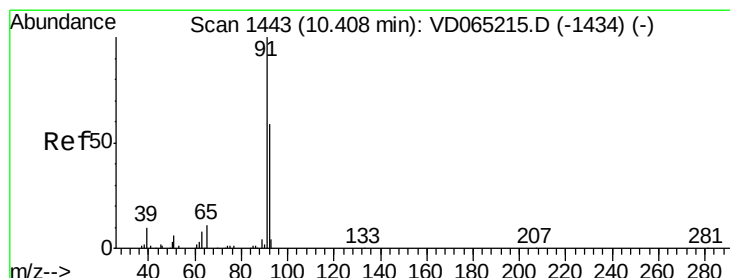
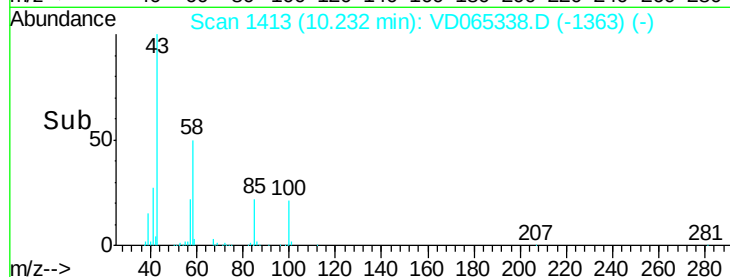
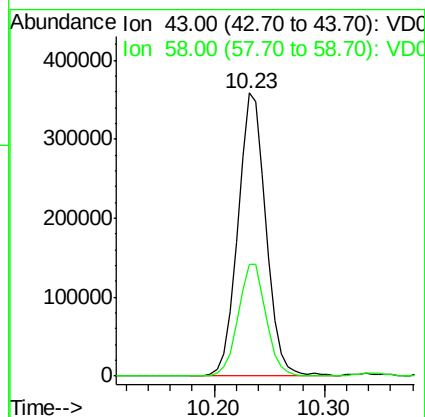
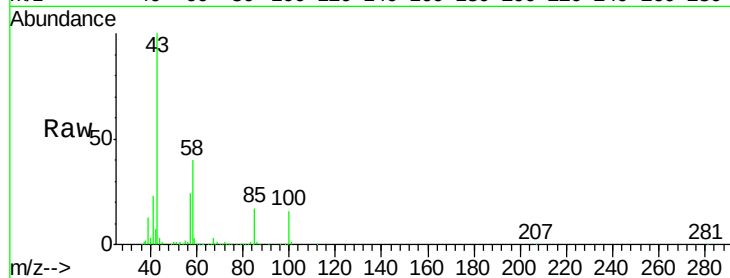
Ion Ratio Lower Upper

43 100

58 39.7 31.1 46.7

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#52

Toluene

Concen: 55.712 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD065338.D

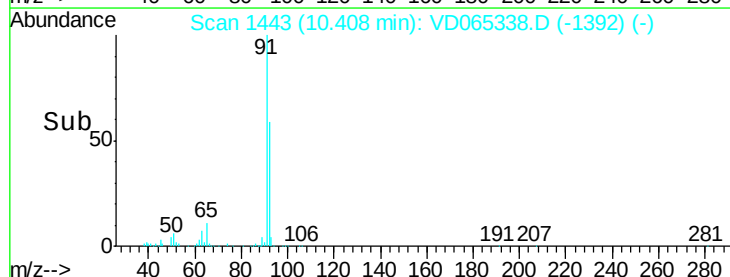
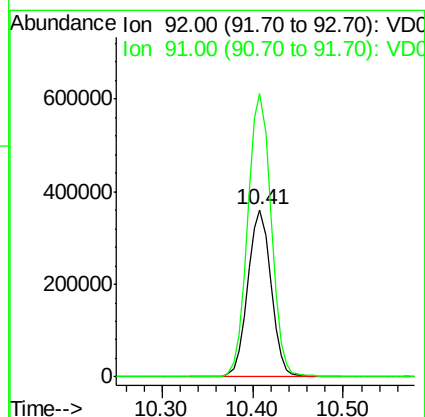
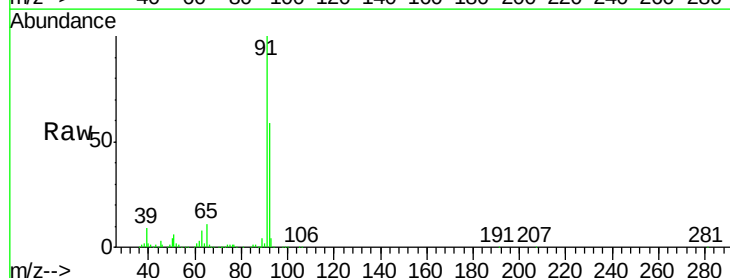
Acq: 27 Feb 2020 10:10

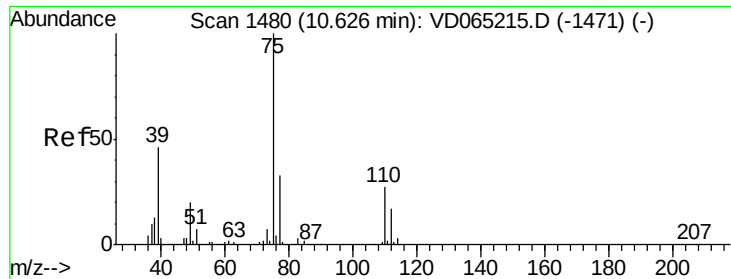
Tgt Ion: 92 Resp: 642302

Ion Ratio Lower Upper

92 100

91 170.3 136.3 204.5





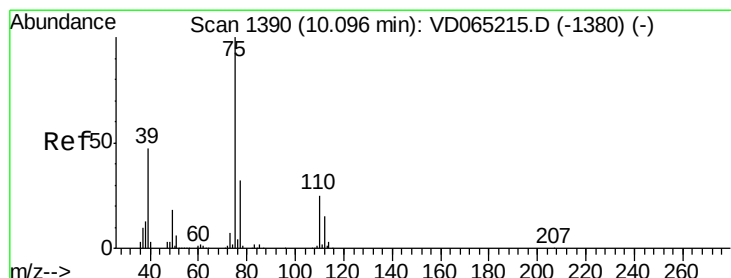
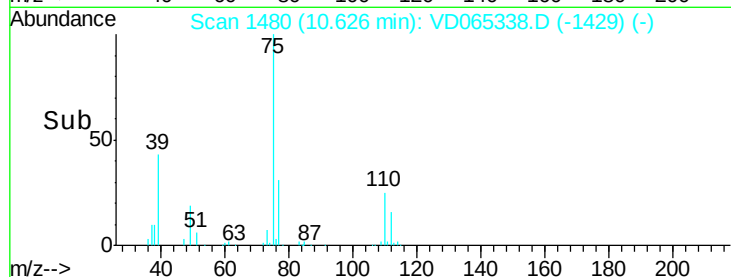
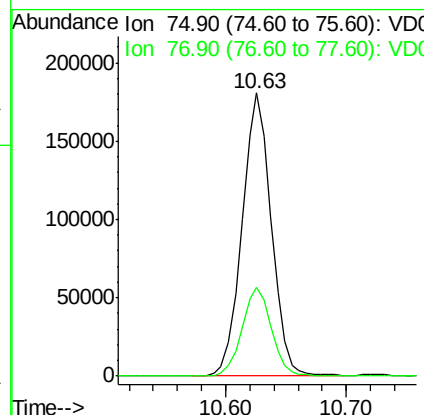
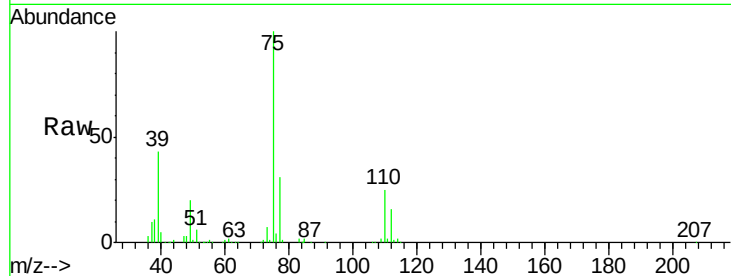
#53
 t-1,3-Dichloropropene
 Concen: 52.384 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 304927
 Ion Ratio Lower Upper
 75 100
 77 31.3 26.6 40.0

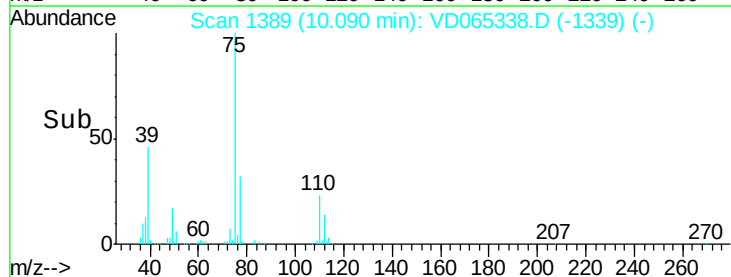
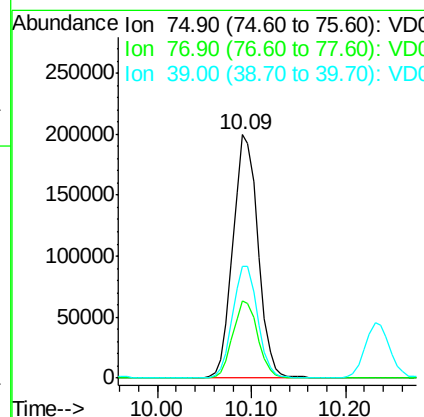
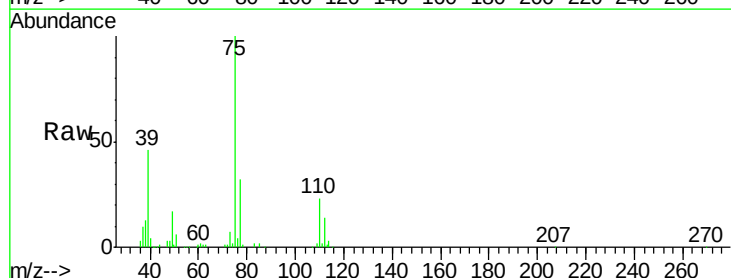
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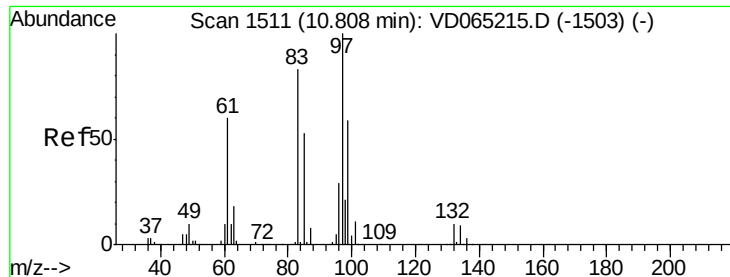
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#54
 cis-1,3-Dichloropropene
 Concen: 52.951 ug/l
 RT: 10.09 min Scan# 1389
 Delta R.T. -0.01 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion: 75 Resp: 372200
 Ion Ratio Lower Upper
 75 100
 77 31.8 25.8 38.8
 39 45.7 37.3 55.9





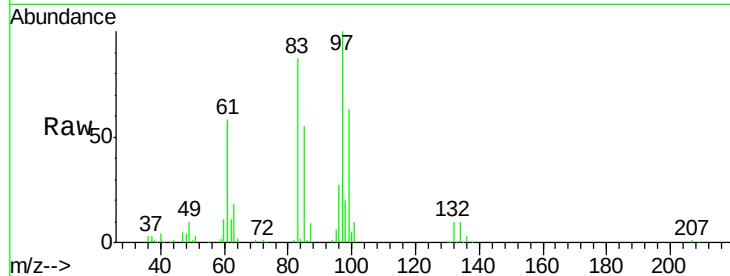
#55
 1,1,2-Trichloroethane
 Concen: 51.082 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

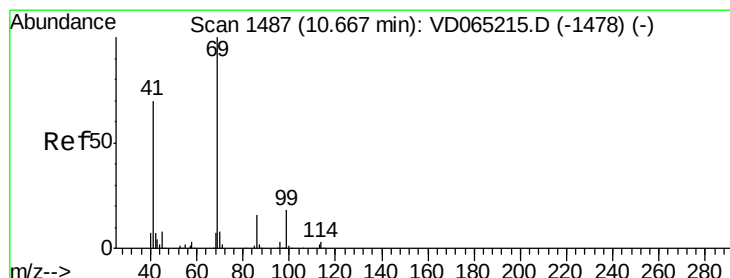
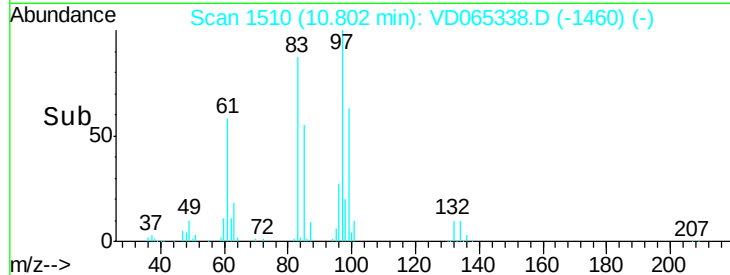
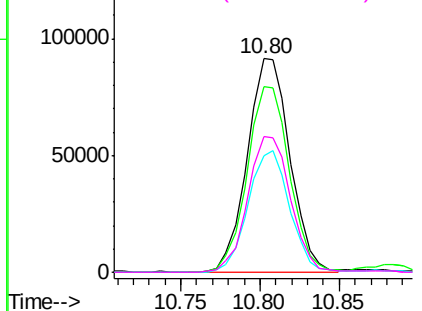
Tot Ion:	97	Resp:	171332
Ion	Ratio	Lower	Upper
97	100		
83	86.7	66.7	100.1
85	54.7	42.4	63.6
99	63.4	47.5	71.3

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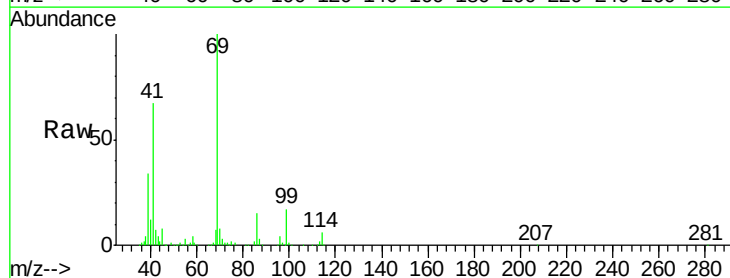


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

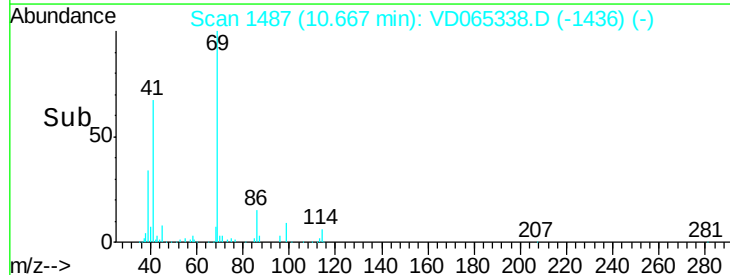
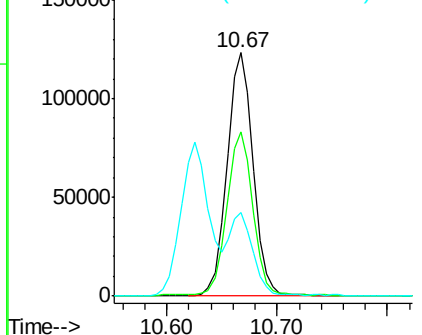


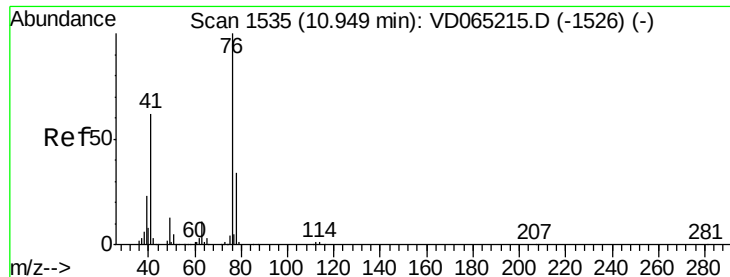
#56
 Ethyl methacrylate
 Concen: 52.564 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion:	69	Resp:	203492
Ion	Ratio	Lower	Upper
69	100		
41	66.3	54.6	81.8
39	31.4	26.5	39.7



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





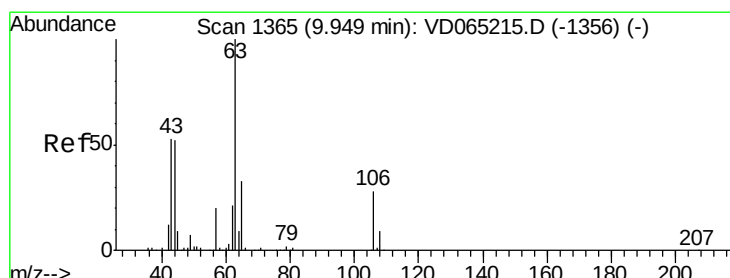
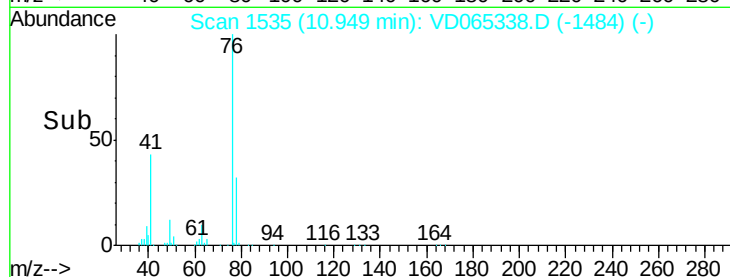
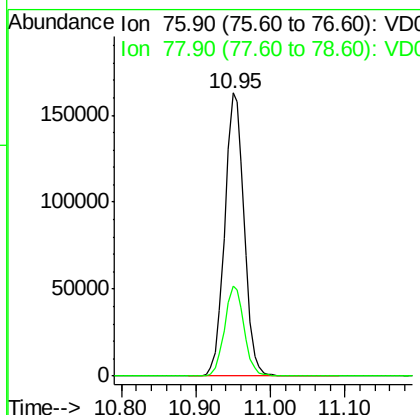
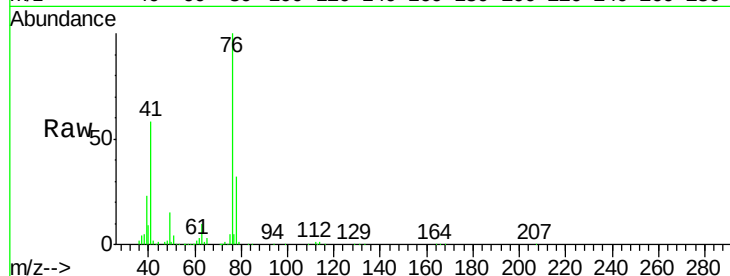
#57
 1,3-Dichloropropane
 Concen: 51.678 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.2	26.3	39.5

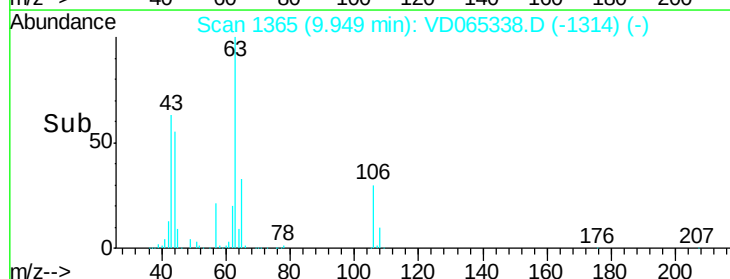
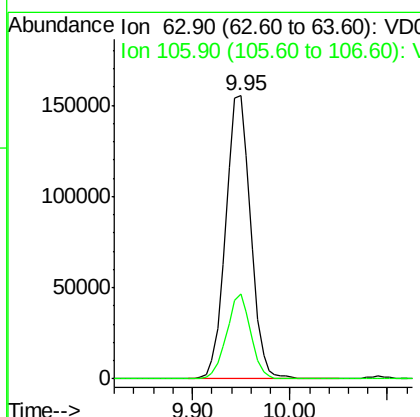
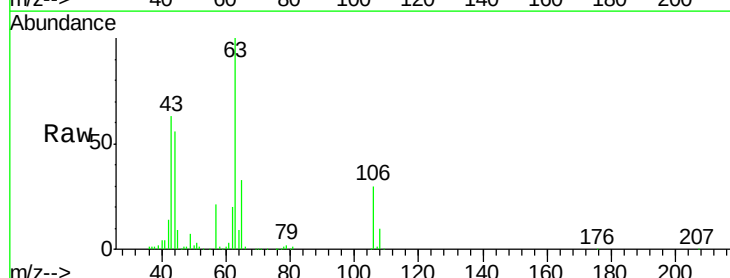
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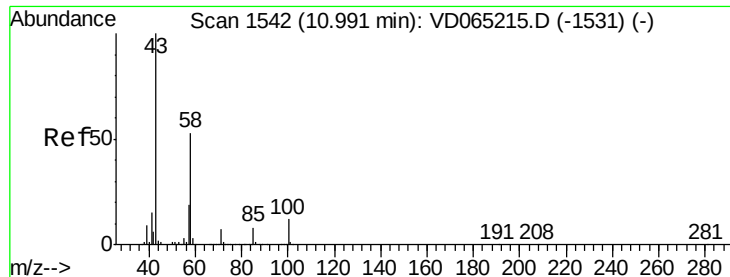
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#58
 2-Chloroethyl Vinyl ether
 Concen: 226.168 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.9	22.8	34.2





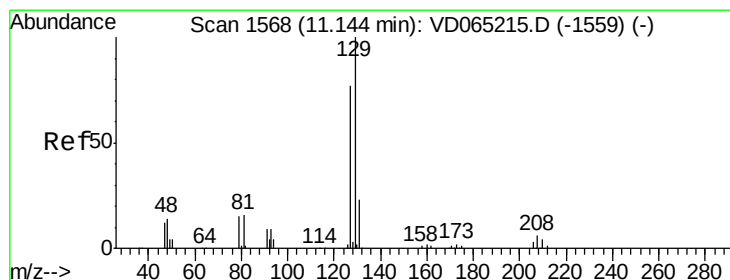
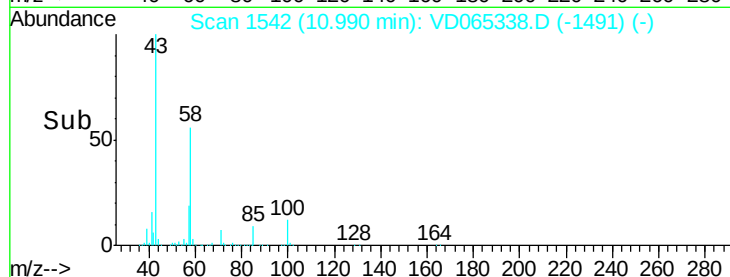
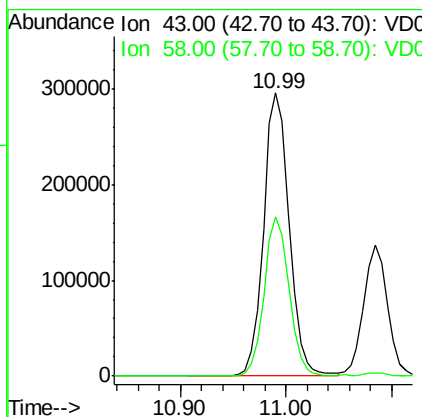
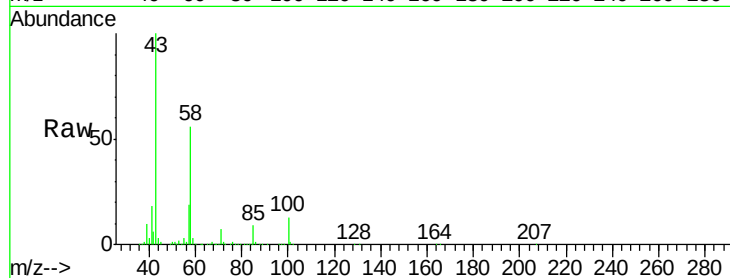
#59
2-Hexanone
Concen: 272.245 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	26.3	78.8

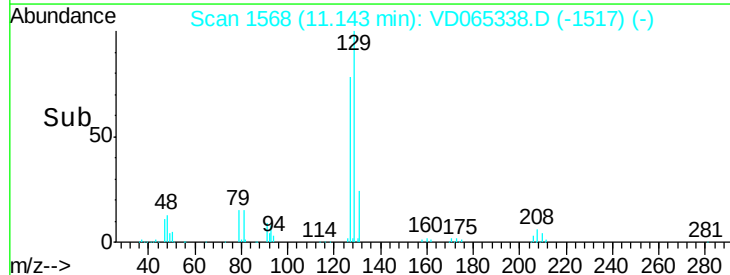
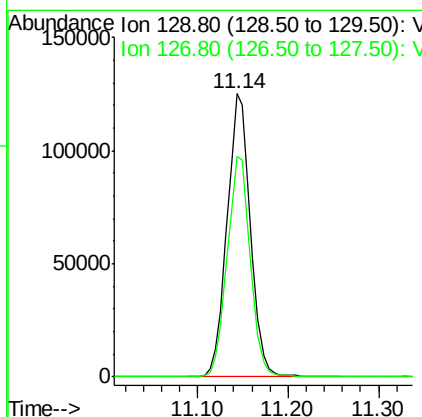
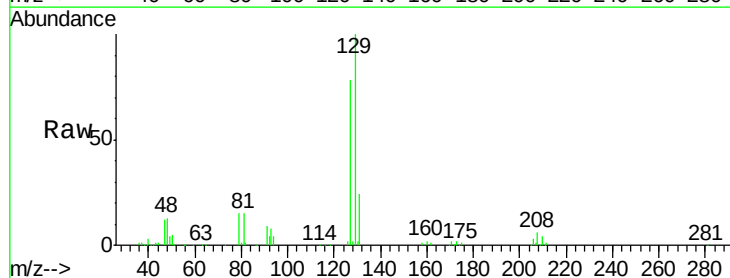
Manual Integrations
APPROVED

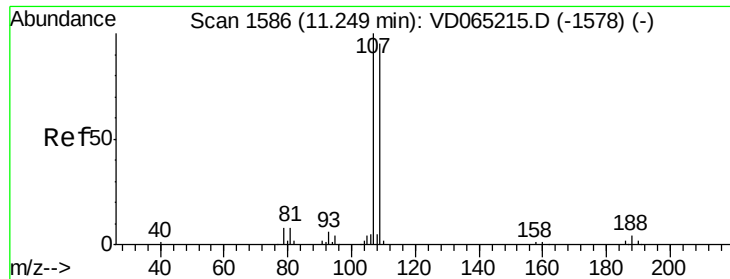
MMDadoda
2/28/2020 9:59:06 AM



#60
Dibromochloromethane
Concen: 52.227 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.7	116.1





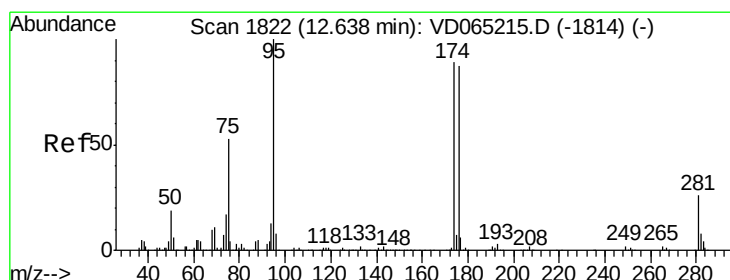
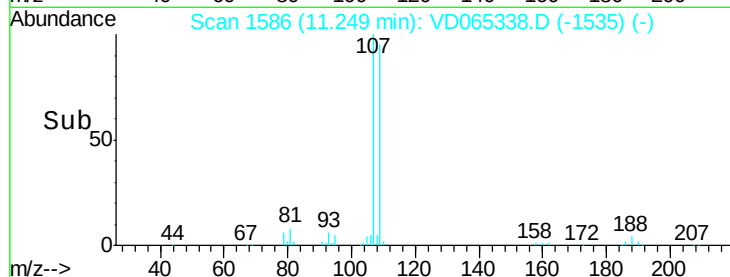
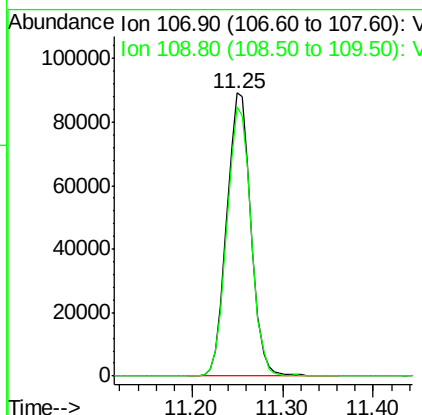
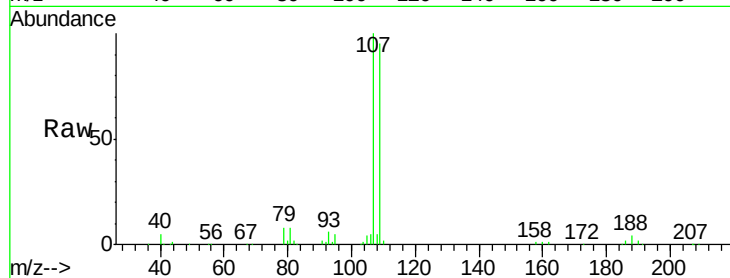
#61
 1,2-Dibromoethane
 Concen: 52.112 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	76.2	114.4

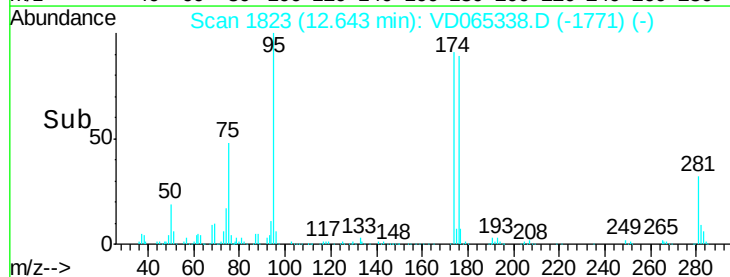
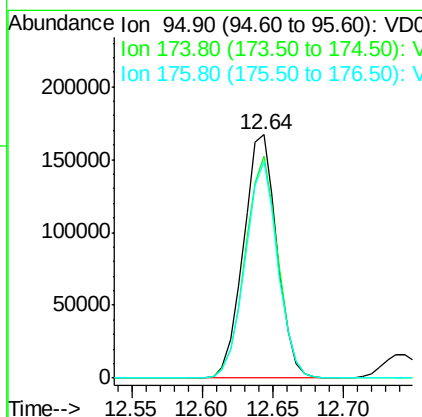
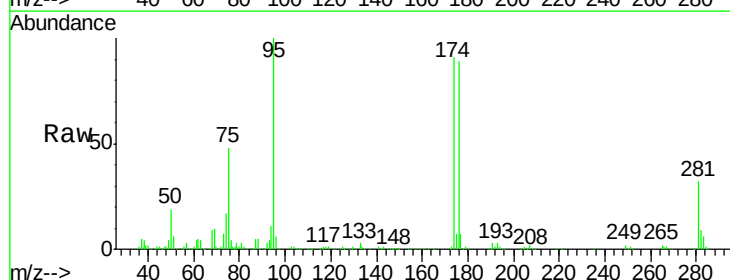
Manual Integrations
 APPROVED

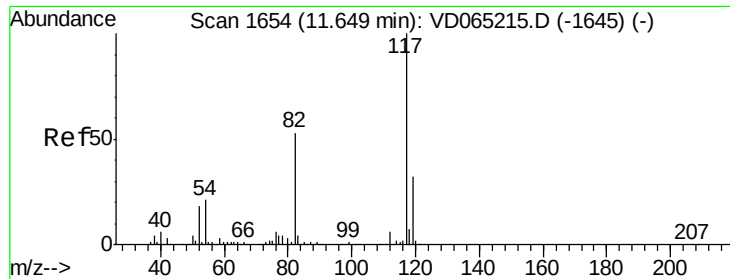
MMDadoda
 2/28/2020 9:59:06 AM



#62
 4-Bromofluorobenzene
 Concen: 55.380 ug/l
 RT: 12.64 min Scan# 1823
 Delta R.T. 0.01 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.7	0.0	178.0
176	86.6	0.0	174.4





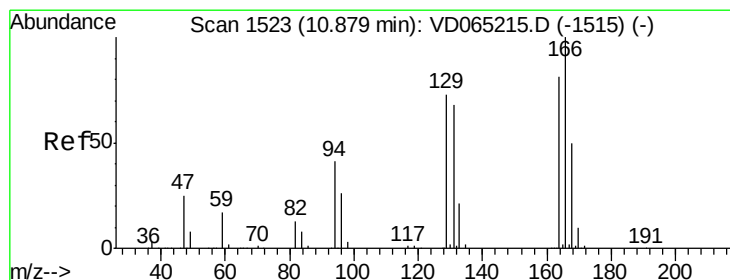
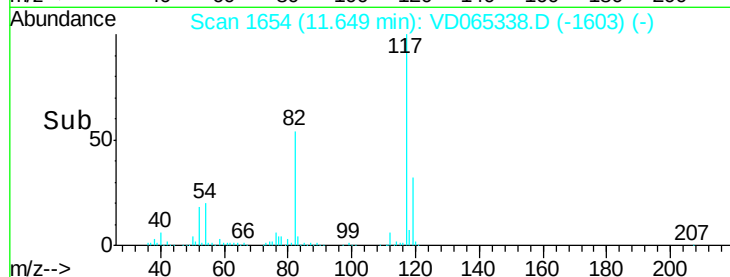
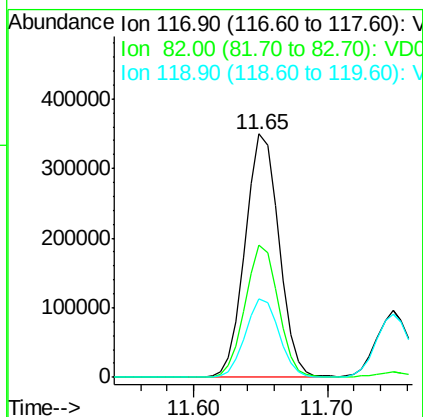
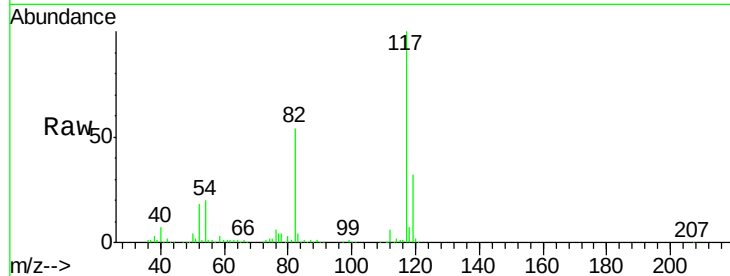
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.4	42.7	64.1
119	32.2	25.5	38.3

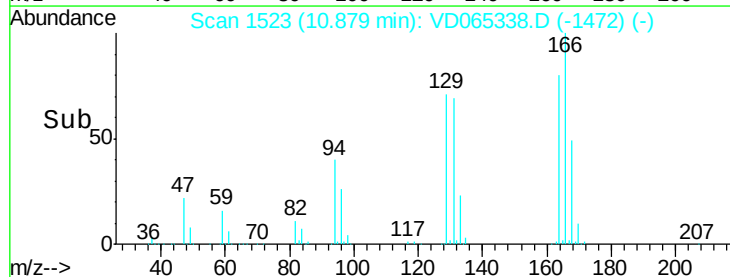
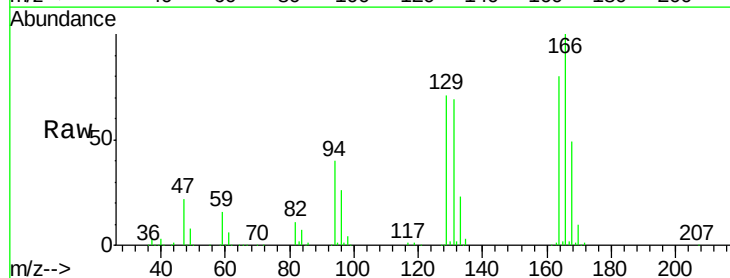
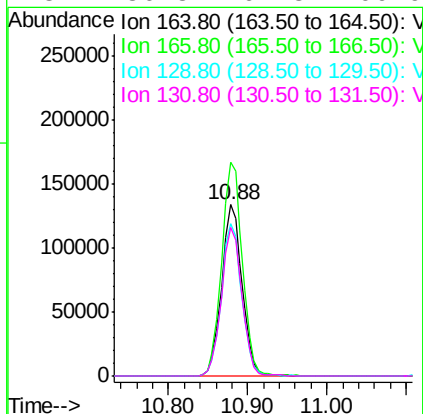
Manual Integrations
APPROVED

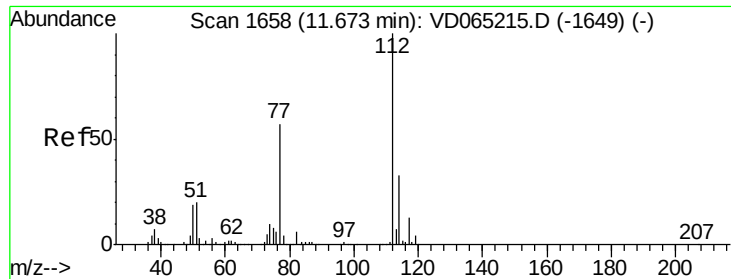
MMDadoda
2/28/2020 9:59:06 AM



#64
Tetrachloroethene
Concen: 54.820 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.9	98.4	147.6
129	89.1	71.6	107.4
131	86.8	67.3	100.9





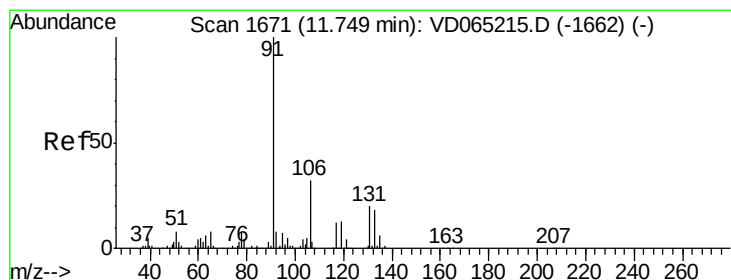
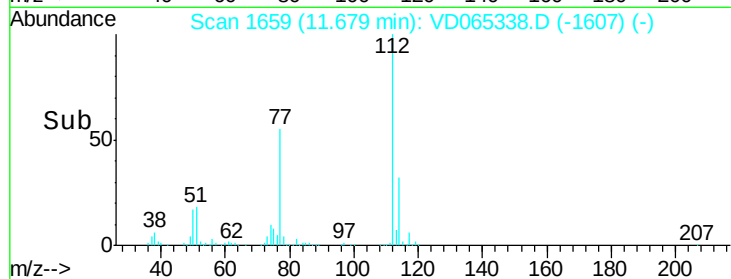
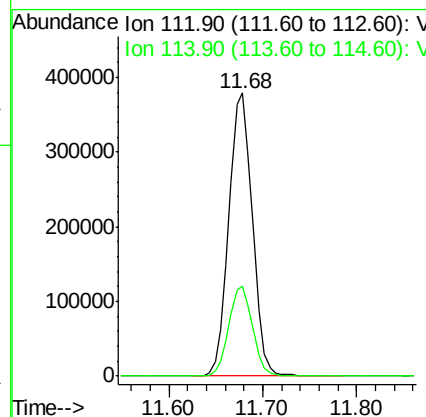
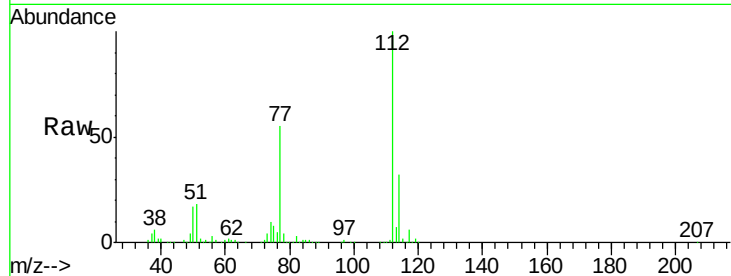
#65
Chlorobenzene
Concen: 53.723 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	31.9	26.4	39.6

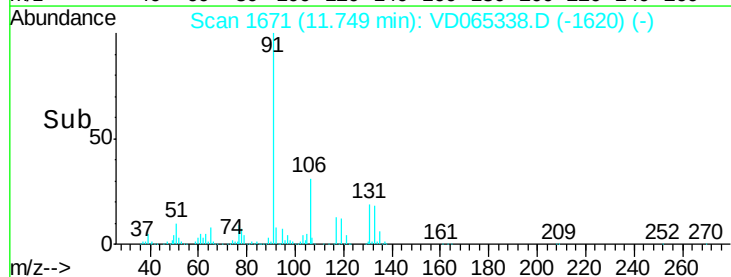
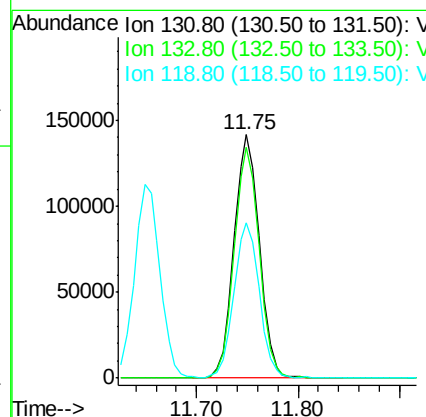
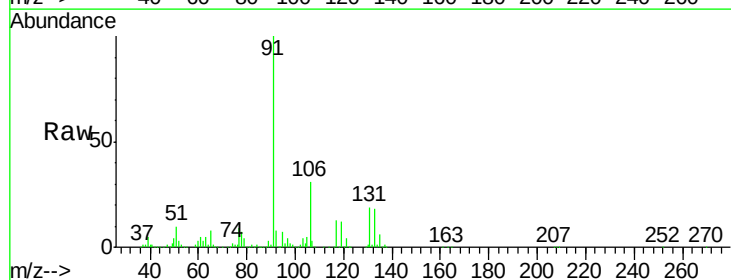
Manual Integrations
APPROVED

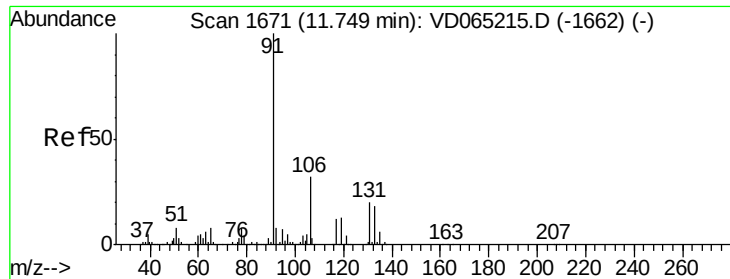
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 53.472 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.9	47.7	143.1
119	64.3	32.7	98.1





#67

Ethyl Benzene

Concen: 55.501 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1195504

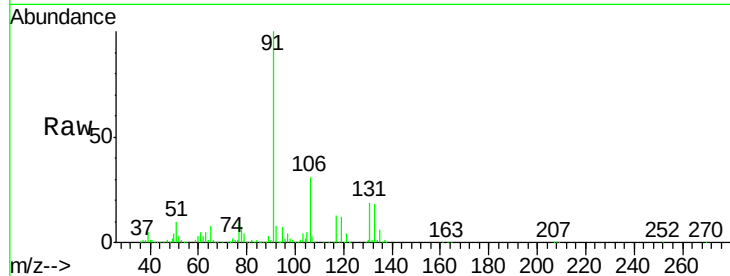
Ion Ratio Lower Upper

91 100

106 31.0 25.2 37.8

Manual Integrations
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2/28/2020 9:59:06 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065338.D (-1620) (-)

Ion 106.00 (105.70 to 106.70): VD065338.D (-1620) (-)

1000000

800000

600000

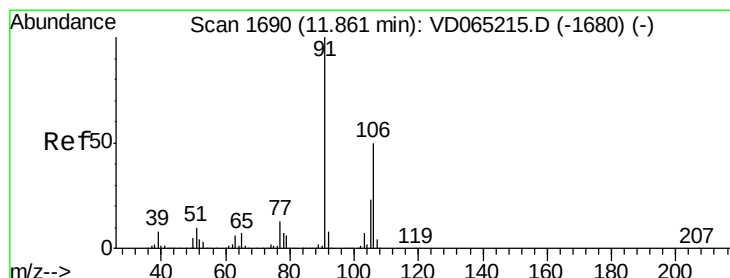
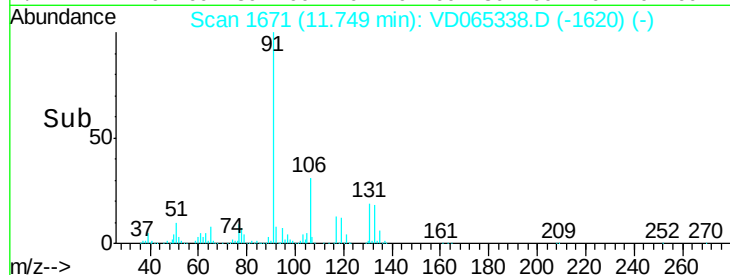
400000

200000

0

11.65 11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 111.600 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065338.D

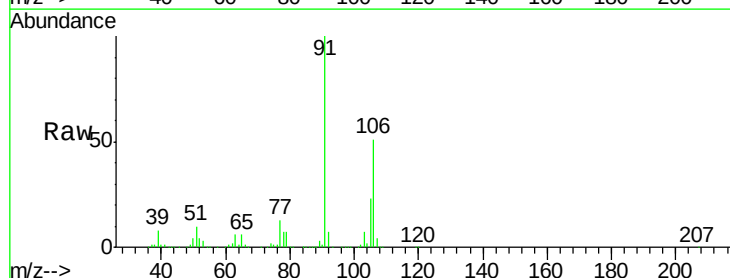
Acq: 27 Feb 2020 10:10

Tgt Ion: 106 Resp: 919715

Ion Ratio Lower Upper

106 100

91 197.4 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VD065338.D (-1639) (-)

Ion 91.00 (90.70 to 91.70): VD065338.D (-1639) (-)

1000000

800000

600000

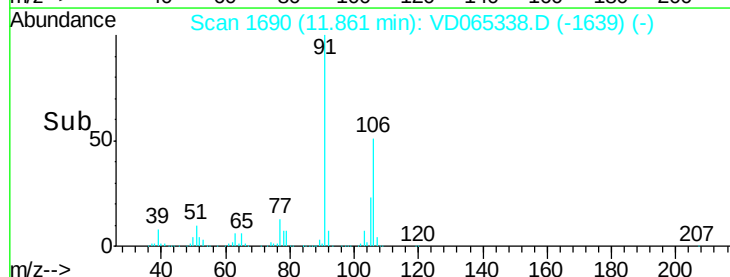
400000

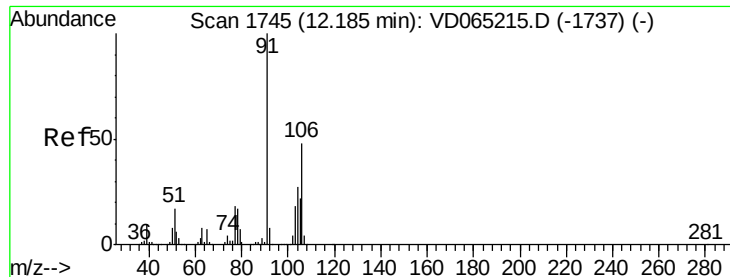
200000

0

11.80 11.86 11.90

Time-->





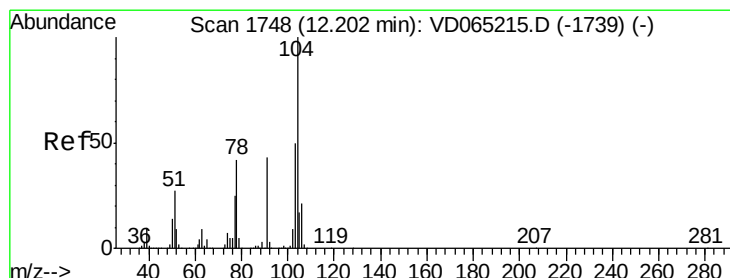
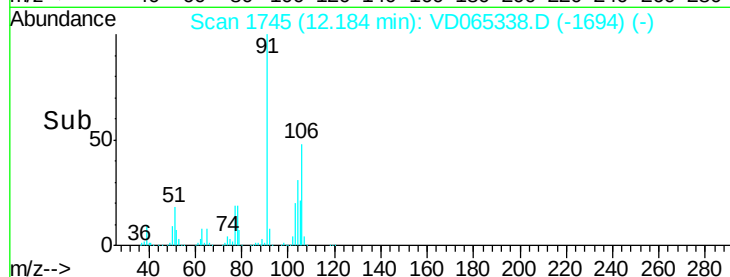
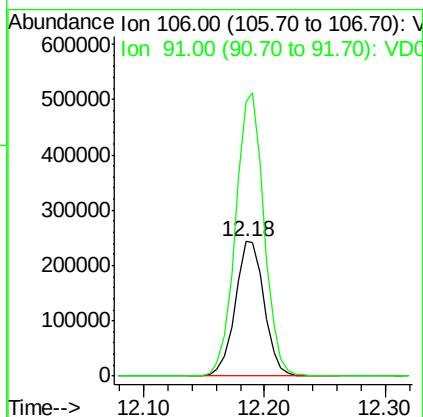
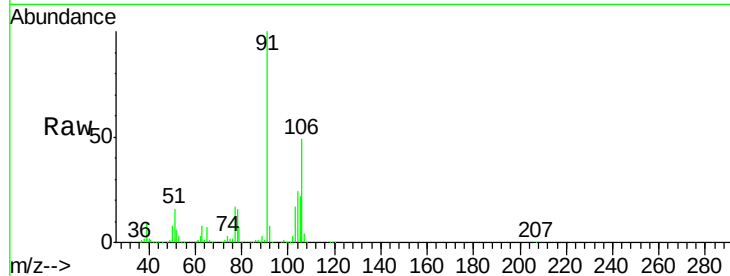
#69
o-Xylene
Concen: 55.792 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.1	104.7	313.9

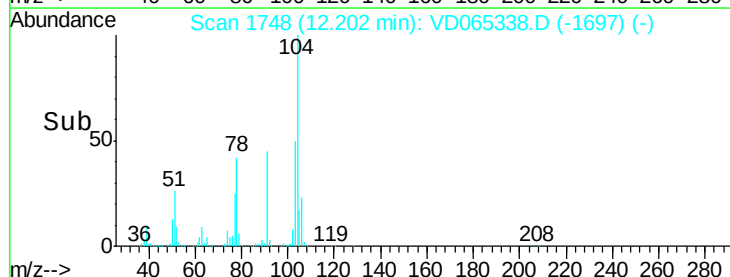
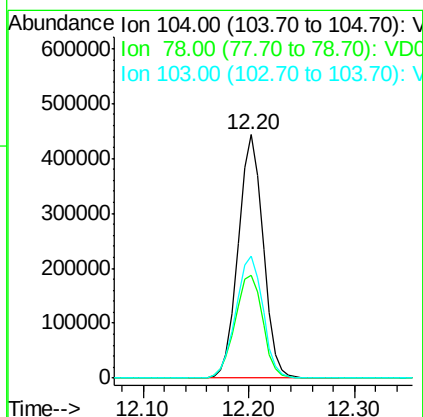
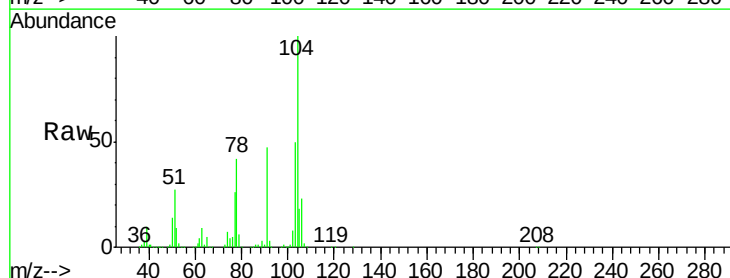
Manual Integrations
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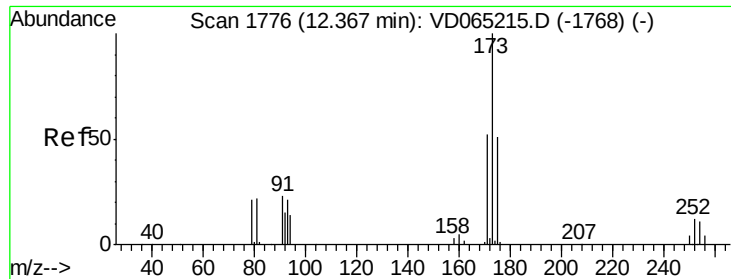
MMDadoda
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#70
Styrene
Concen: 55.626 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.8	56.6
103	54.7	43.4	65.2





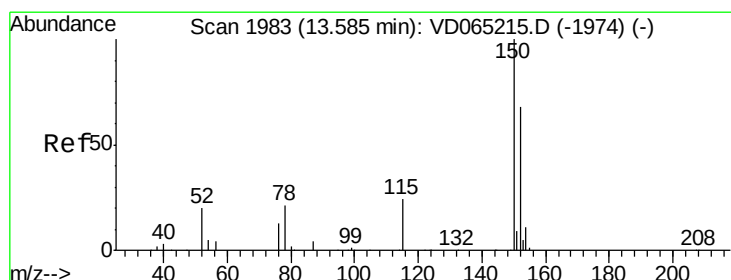
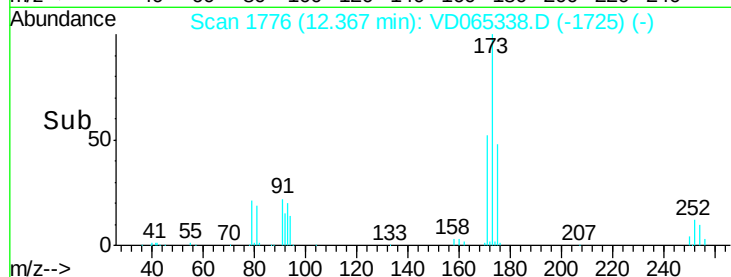
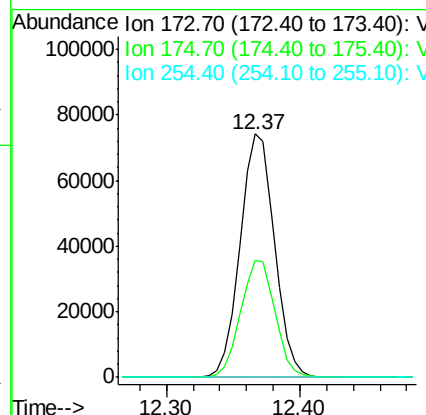
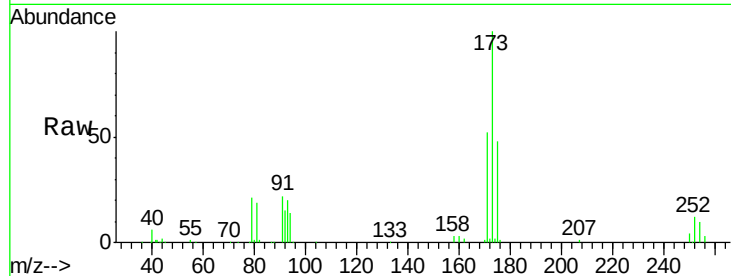
#71
Bromoform
Concen: 51.961 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	47.9	24.4	73.4
254	0.1	0.0	0.0#

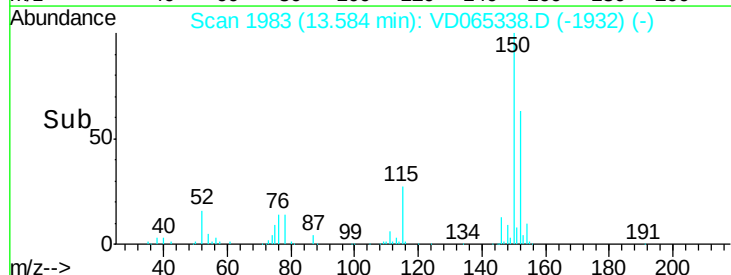
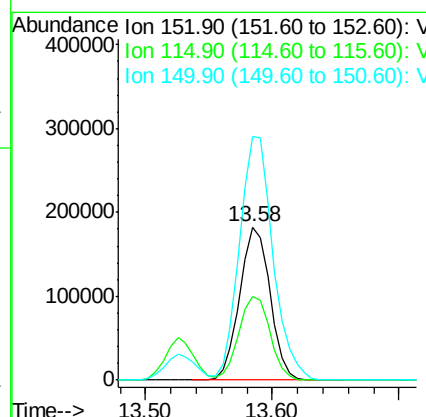
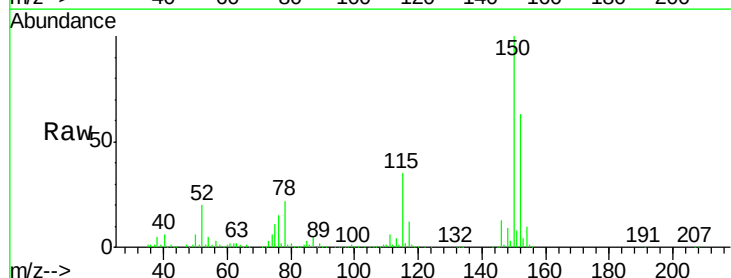
Manual Integrations
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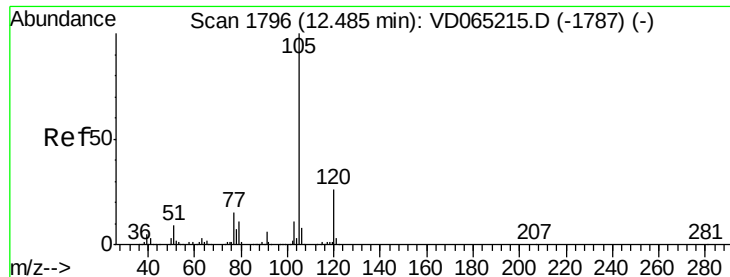
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.8	27.6	82.8
150	175.3	0.0	347.4





#73

Isopropylbenzene

Concen: 56.744 ug/l

RT: 12.49 min Scan# 1797

Delta R.T. 0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1138869

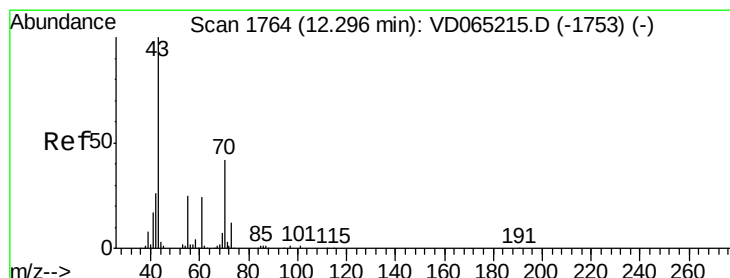
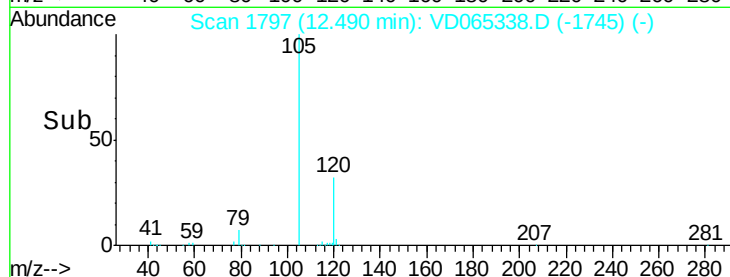
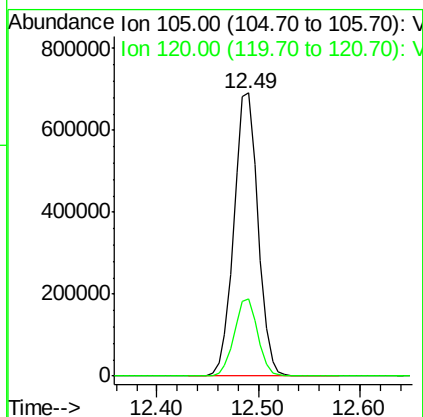
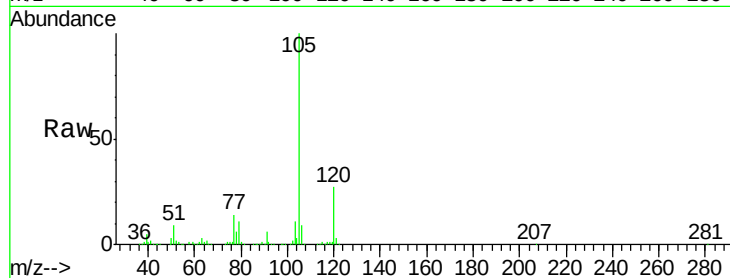
Ion Ratio Lower Upper

105 100

120 26.7 13.3 39.9

Manual Integrations
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2/28/2020 9:59:06 AM



#74

N-ethyl acetate

Concen: 50.046 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion: 43 Resp: 223189

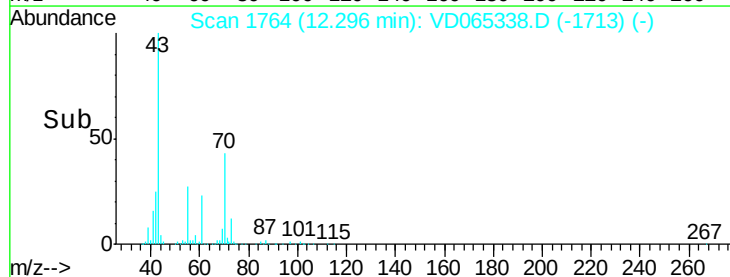
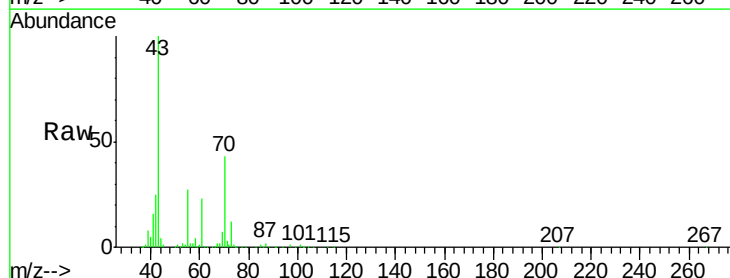
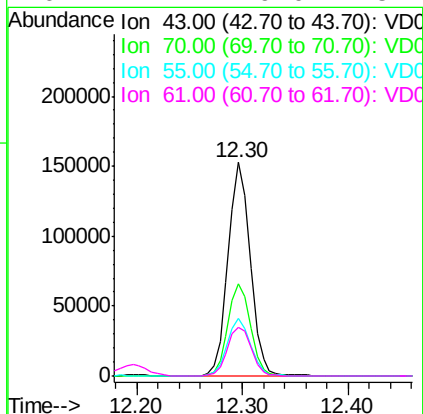
Ion Ratio Lower Upper

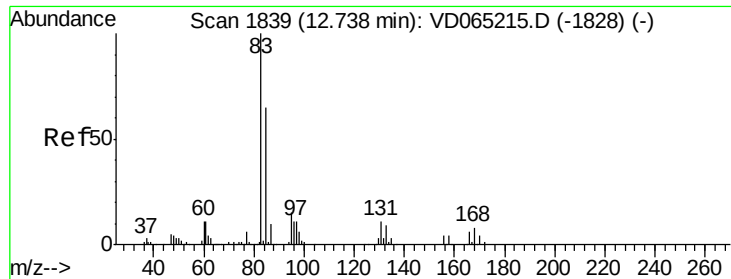
43 100

70 43.8 33.7 50.5

55 28.2 20.7 31.1

61 24.4 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.960 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

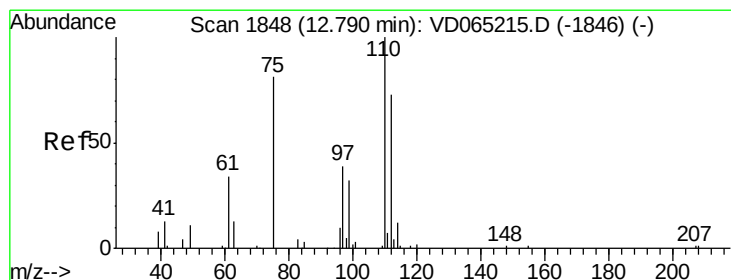
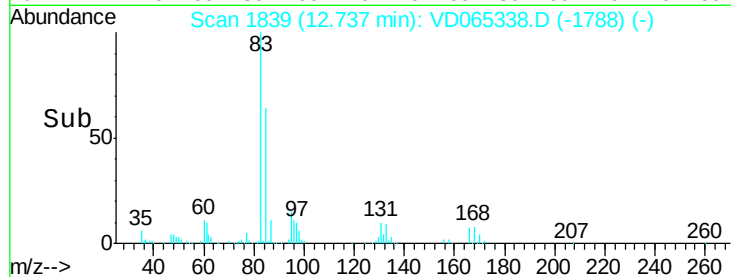
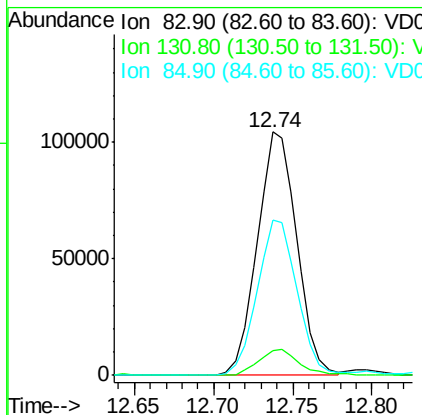
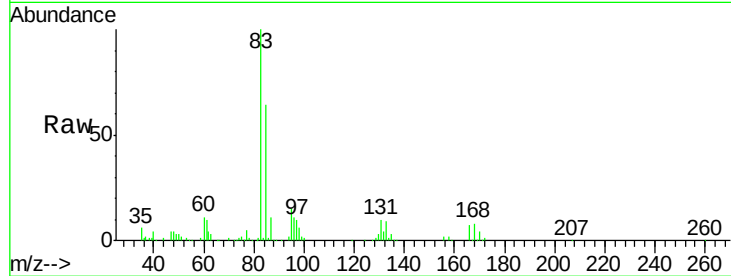
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	180967
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	64.2	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 51.207 ug/l m

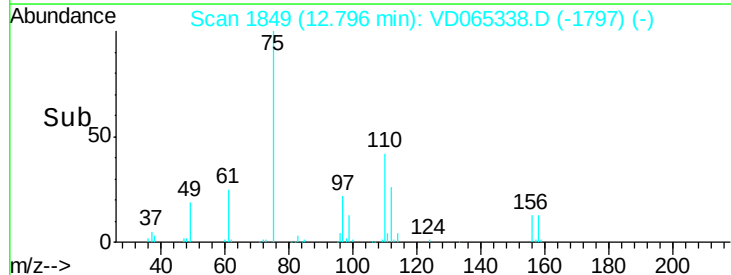
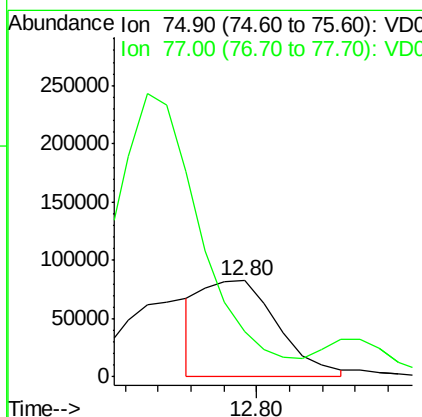
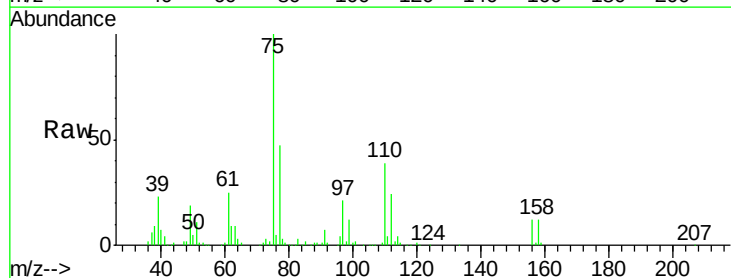
RT: 12.80 min Scan# 1849

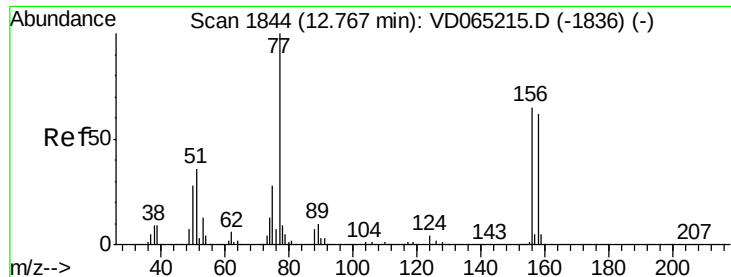
Delta R.T. 0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion:	75	Resp:	132078
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.481 ug/l

RT: 12.77 min Scan# 1845

Delta R.T. 0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

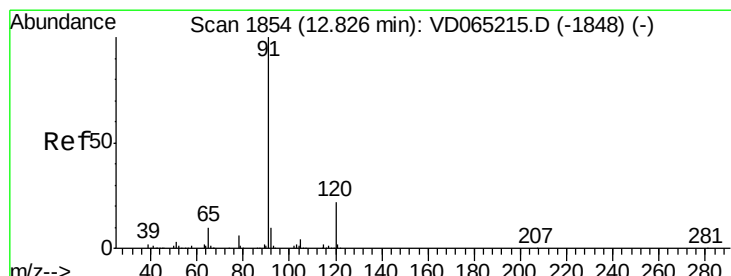
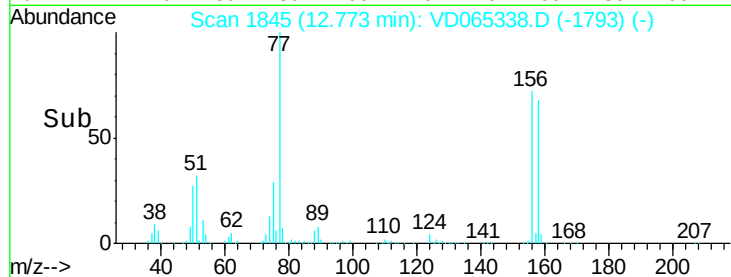
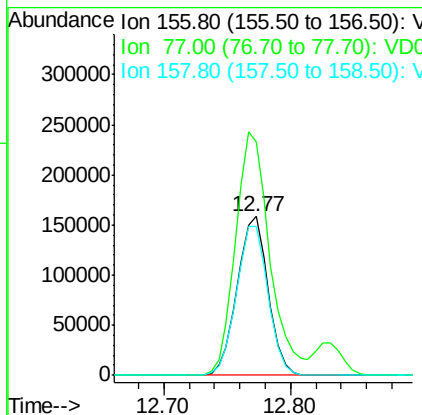
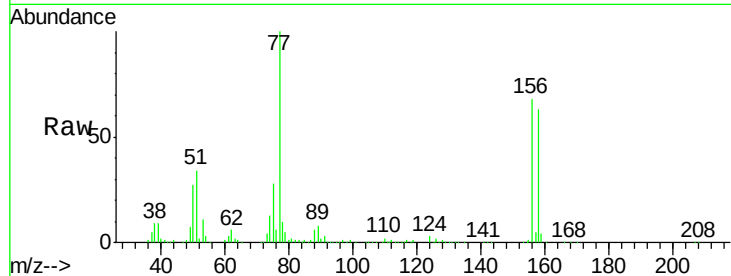
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	266536
Ion Ratio	Lower	Upper	
156	100		
77	171.5	86.6	259.7
158	96.4	48.1	144.3

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#78

n-propylbenzene

Concen: 56.517 ug/l

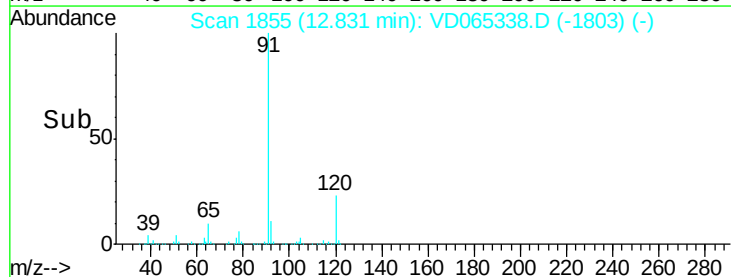
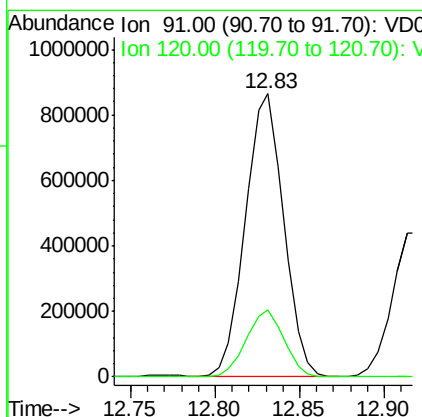
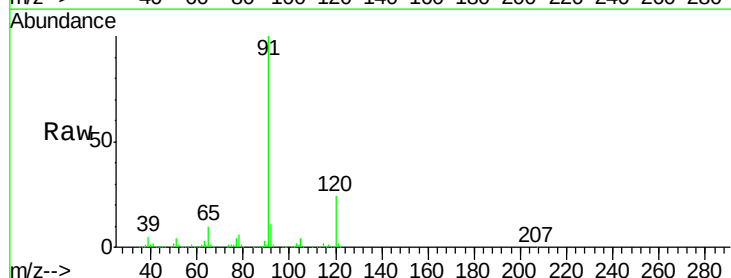
RT: 12.83 min Scan# 1855

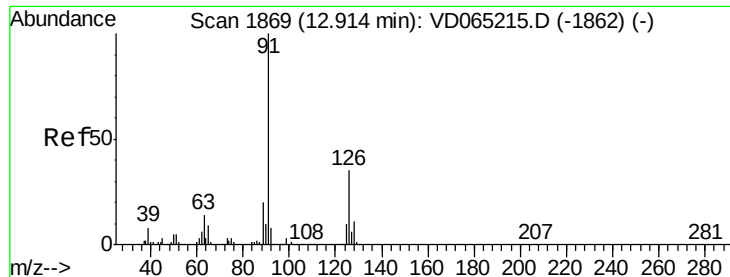
Delta R.T. 0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion:	91	Resp:	1363121
Ion Ratio	Lower	Upper	
91	100		
120	23.3	11.5	34.5





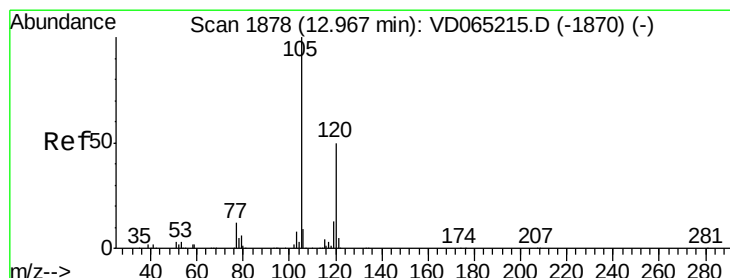
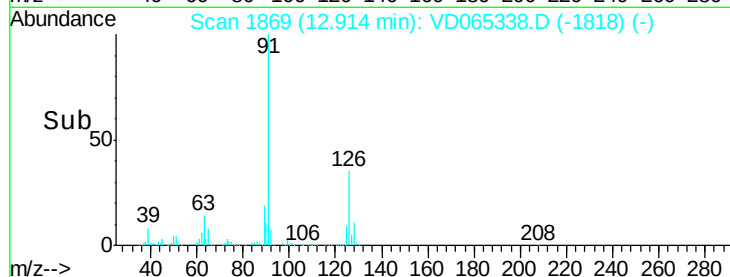
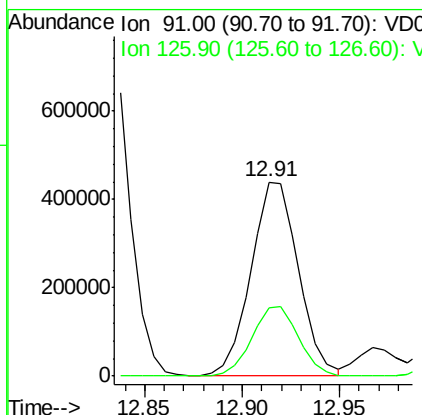
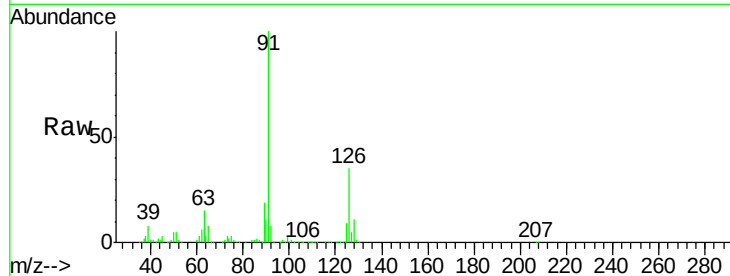
#79
 2-Chlorotoluene
 Concen: 54.625 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 738064
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.5 52.6

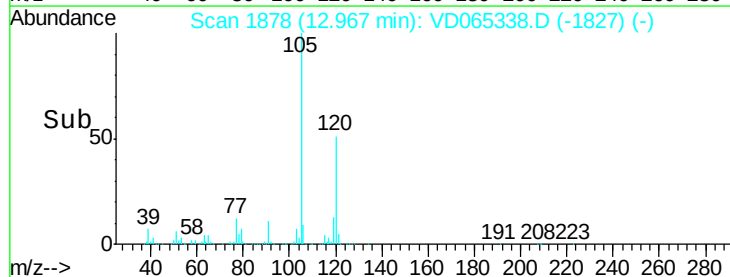
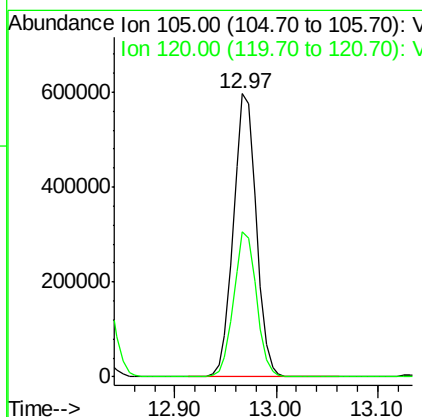
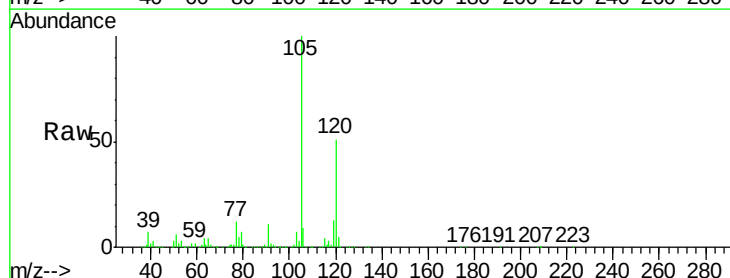
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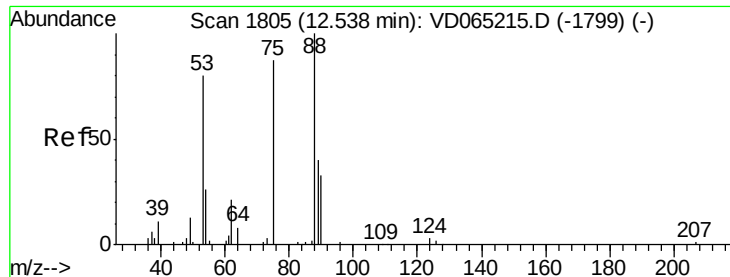
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#80
 1,3,5-Trimethylbenzene
 Concen: 56.469 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion: 105 Resp: 933449
 Ion Ratio Lower Upper
 105 100
 120 50.9 25.4 76.4





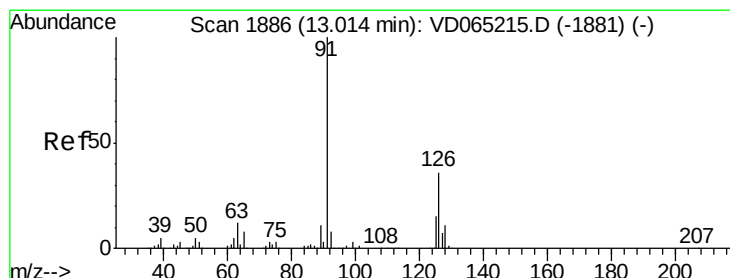
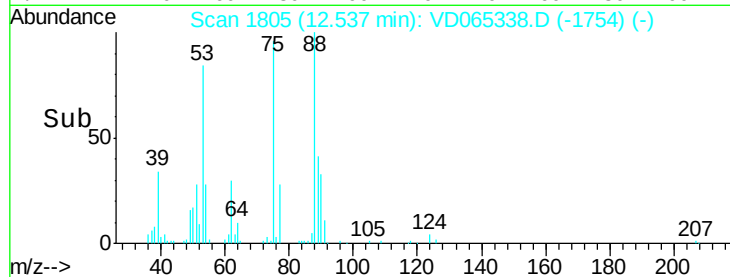
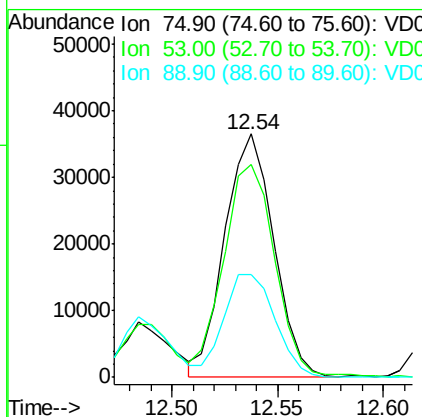
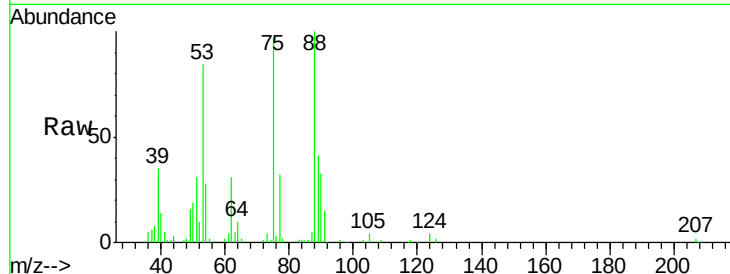
#81
trans-1,4-Dichloro-2-butene
Concen: 49.229 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	77.6	116.4
89	45.0	37.2	55.8

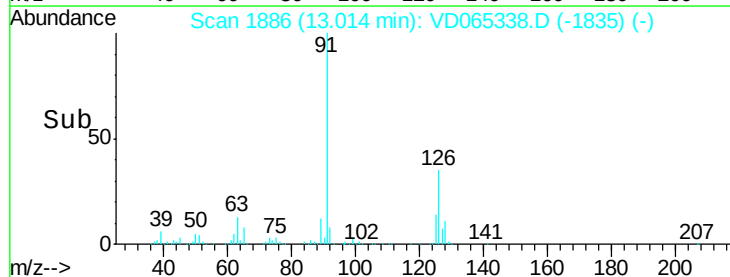
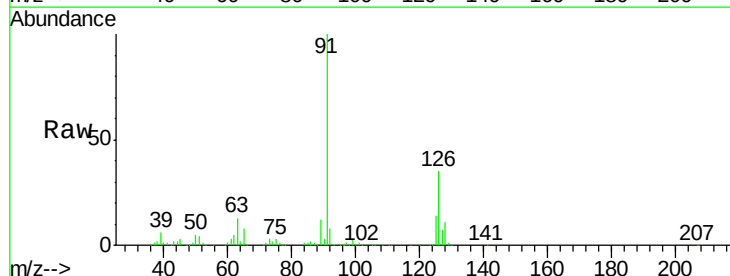
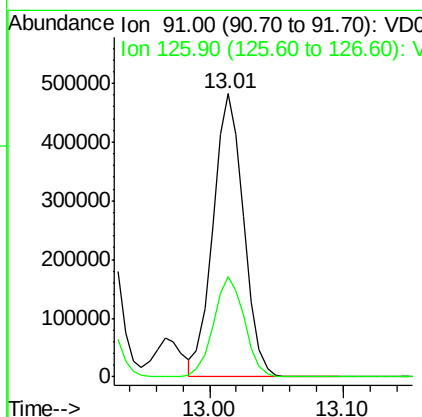
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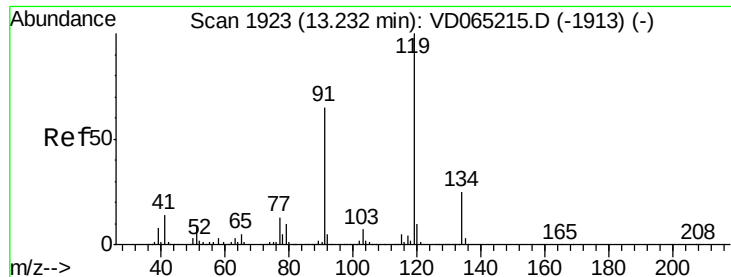
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#82
4-Chlorotoluene
Concen: 53.873 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.7	17.4	52.3





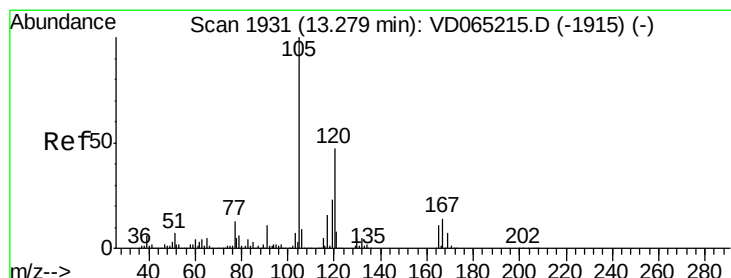
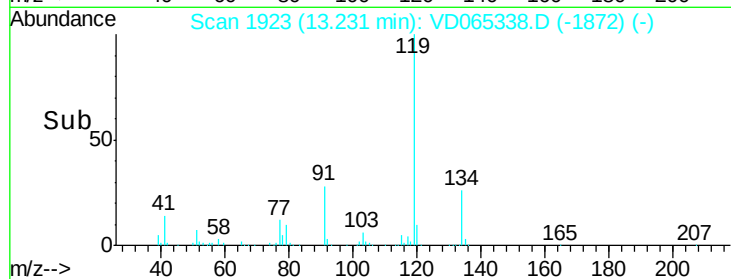
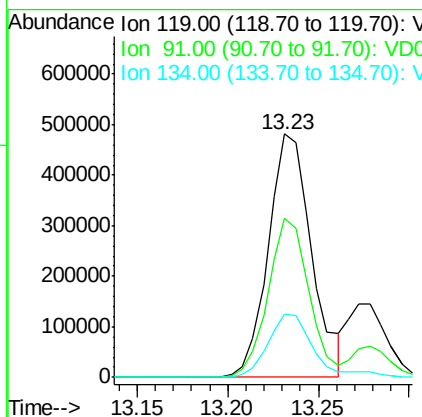
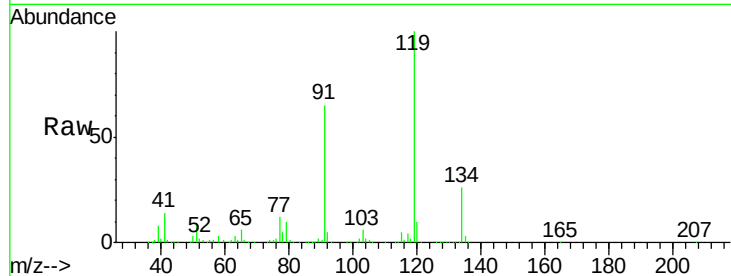
#83
 tert-Butylbenzene
 Concen: 57.906 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.8	31.9	95.5
134	27.6	13.8	41.3

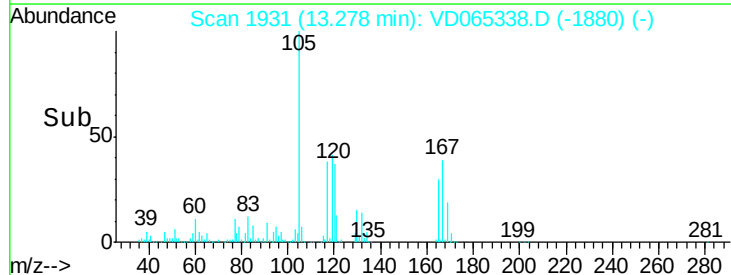
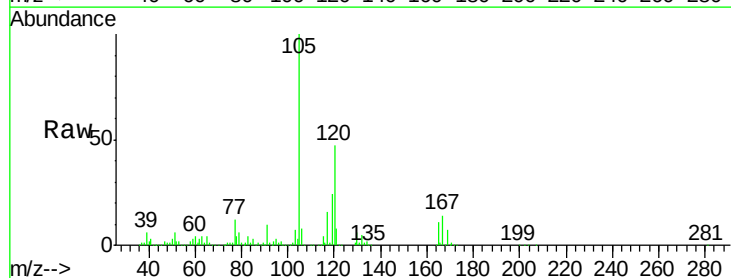
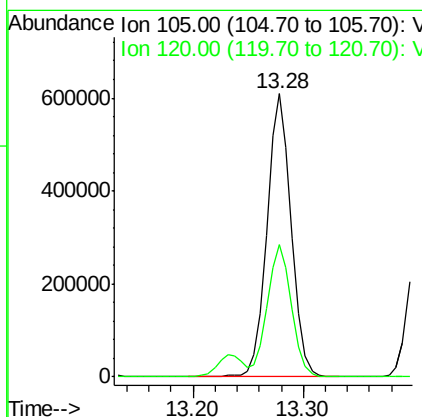
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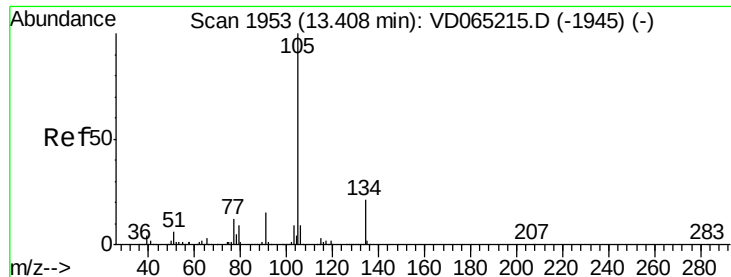
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#84
 1,2,4-Trimethylbenzene
 Concen: 56.262 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.3	69.9





#85

sec-Butylbenzene

Concen: 55.976 ug/l

RT: 13.41 min Scan# 1954

Delta R.T. 0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1117478

Ion Ratio Lower Upper

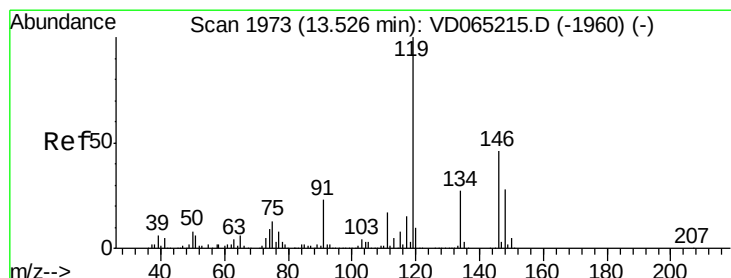
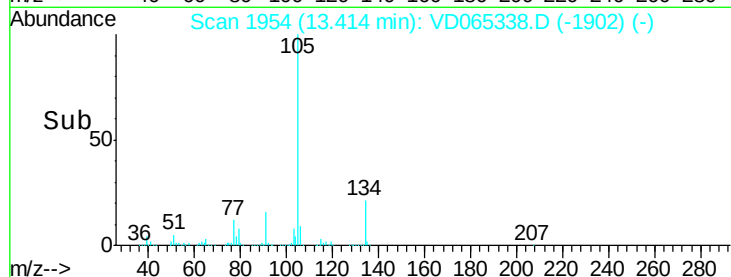
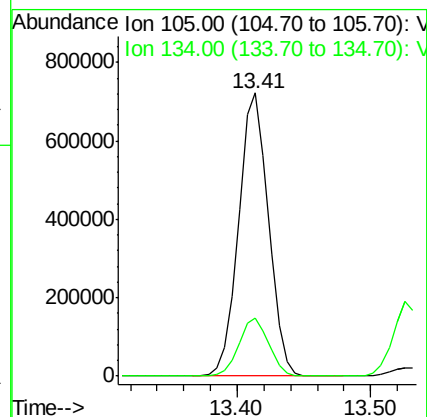
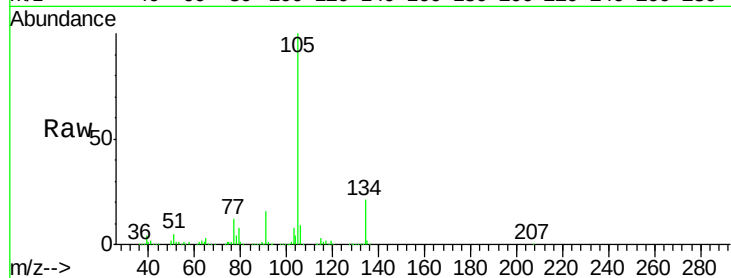
105 100

134 20.5 10.3 30.9

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#86

p-Isopropyltoluene

Concen: 57.020 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

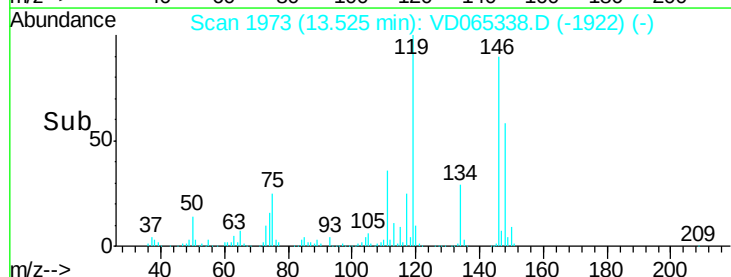
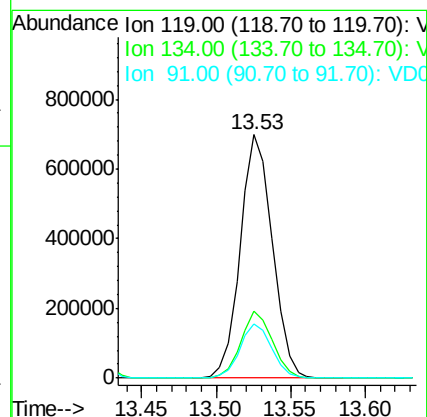
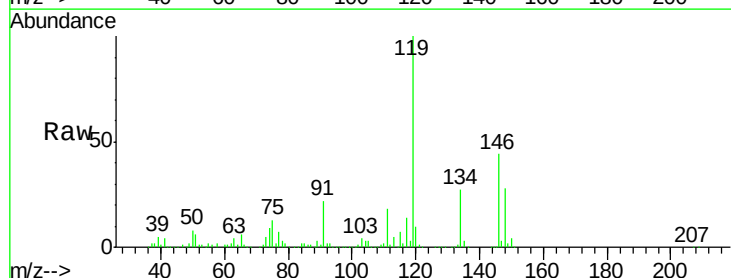
Tgt Ion:119 Resp: 1040998

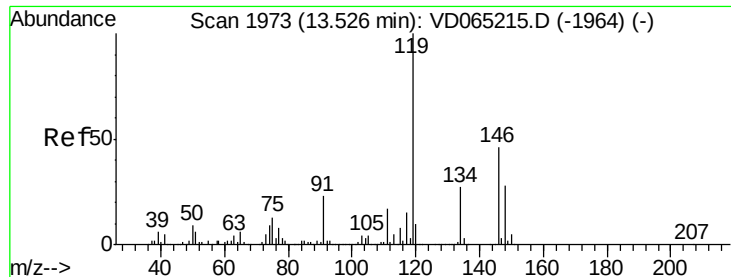
Ion Ratio Lower Upper

119 100

134 26.9 13.3 39.8

91 21.8 11.1 33.1





#87

1,3-Dichlorobenzene

Concen: 52.781 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. -0.00 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Instrument :

MSVOA_D

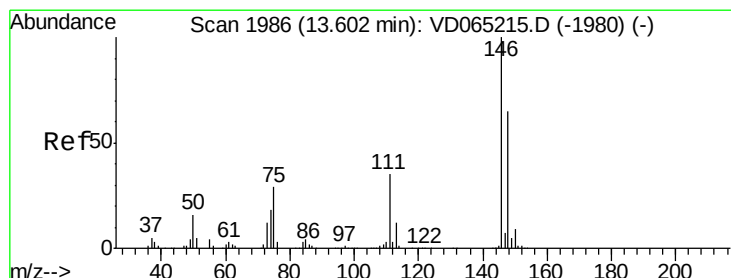
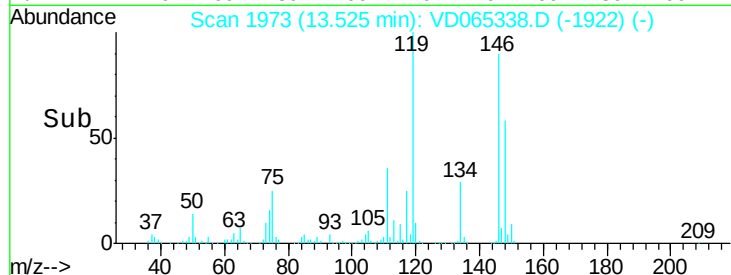
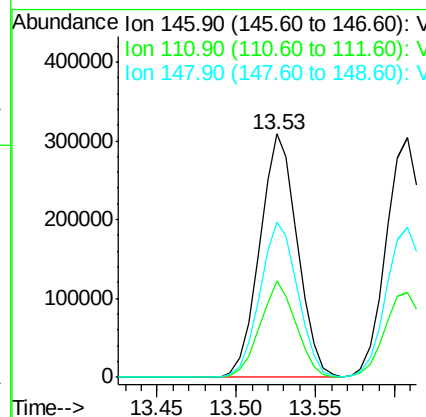
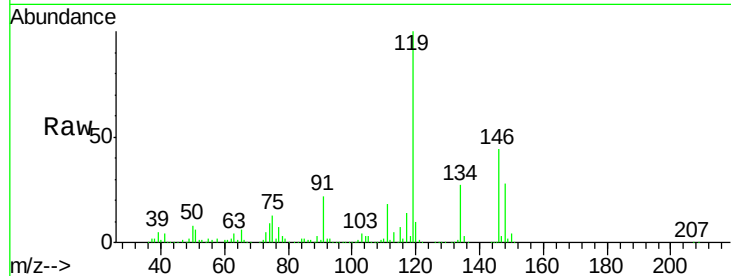
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	508535
Ion Ratio	Lower	Upper	
146	100		
111	37.9	18.6	55.8
148	64.3	31.4	94.3

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#88

1,4-Dichlorobenzene

Concen: 52.305 ug/l

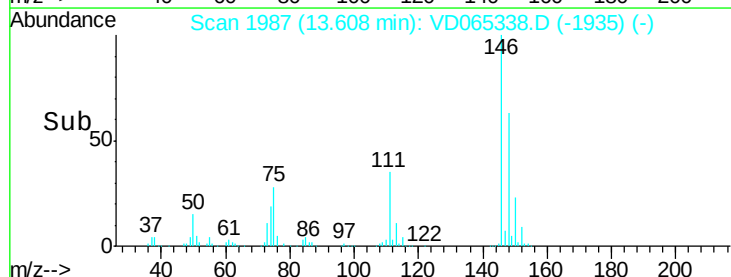
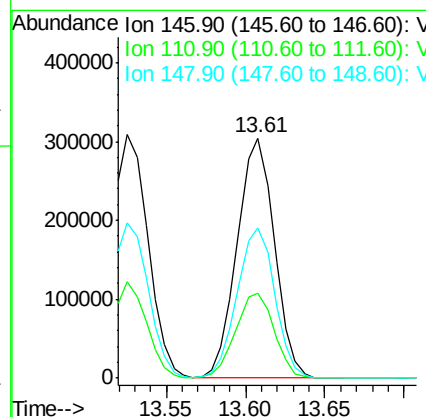
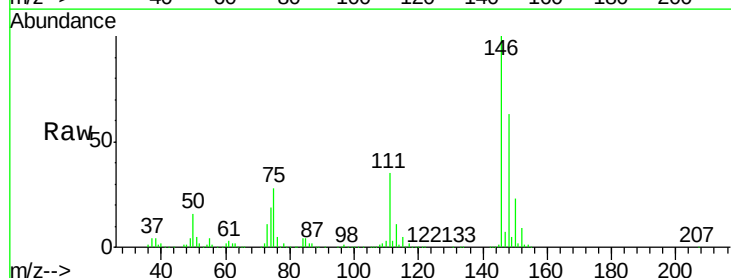
RT: 13.61 min Scan# 1987

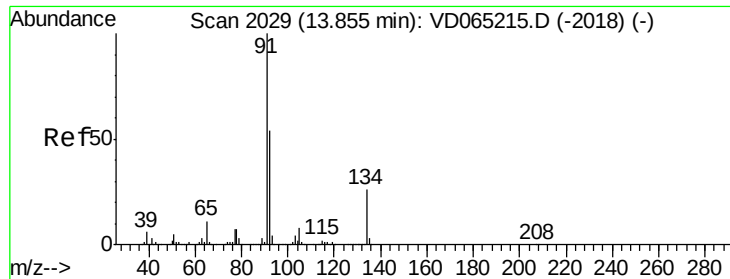
Delta R.T. 0.01 min

Lab File: VD065338.D

Acq: 27 Feb 2020 10:10

Tgt Ion:	146	Resp:	497366
Ion Ratio	Lower	Upper	
146	100		
111	36.6	18.4	55.2
148	63.6	32.1	96.5





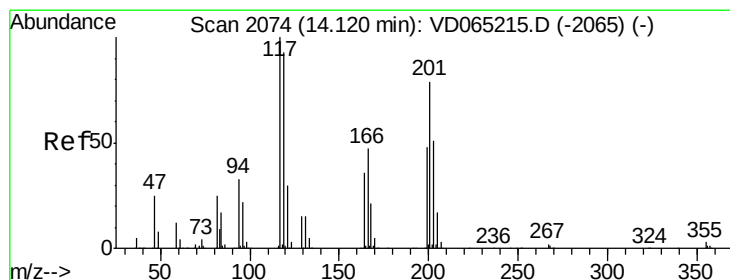
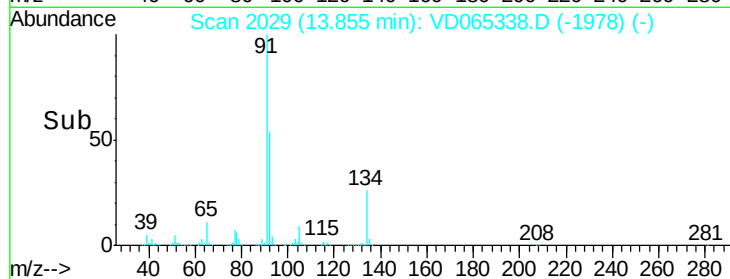
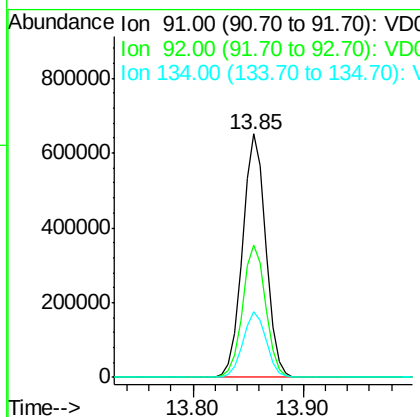
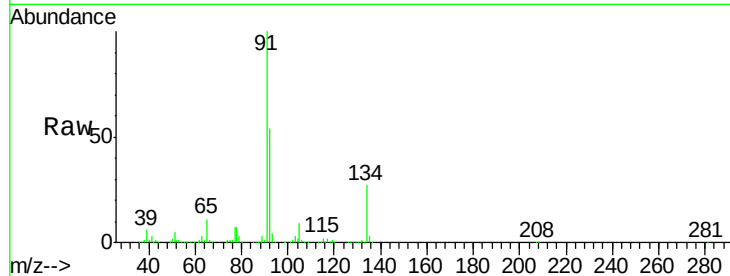
#89
n-Butylbenzene
Concen: 57.176 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.0	80.8
134	26.9	13.5	40.4

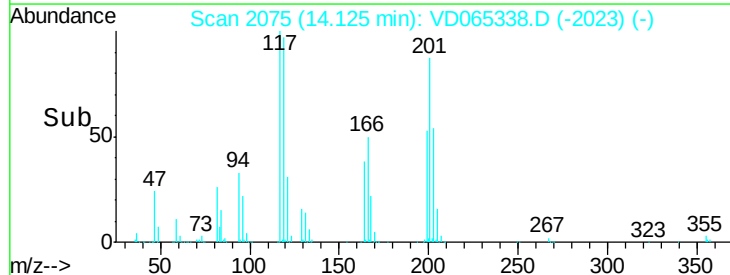
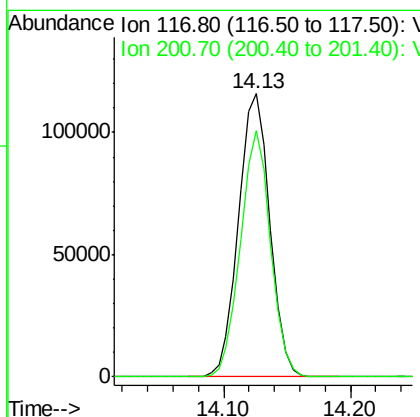
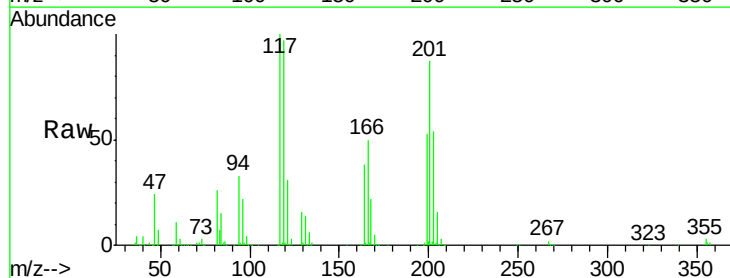
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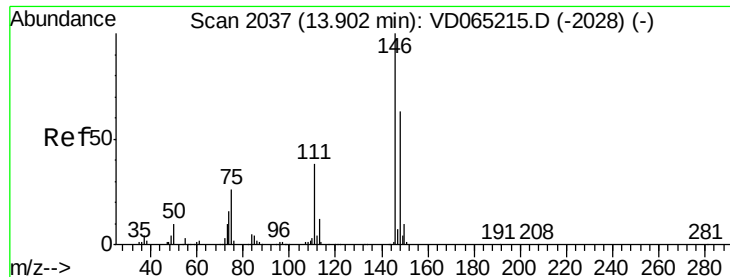
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#90
Hexachloroethane
Concen: 53.481 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
117	100		
201	83.7	41.3	124.1





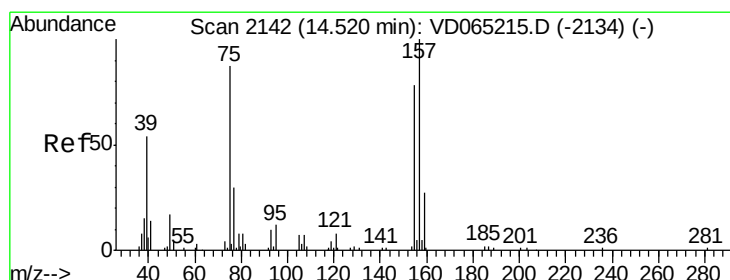
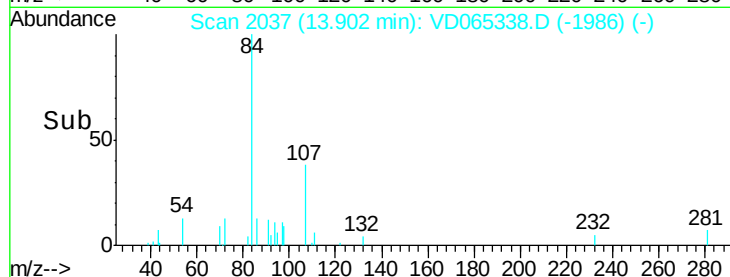
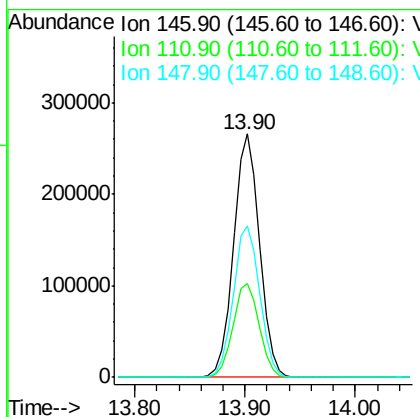
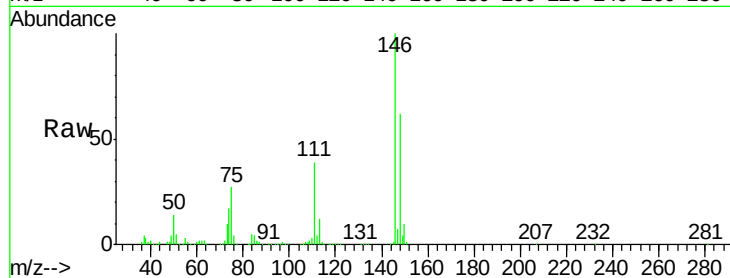
#91
 1,2-Dichlorobenzene
 Concen: 52.906 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. -0.00 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.0	19.7	59.0
148	63.5	32.0	96.2

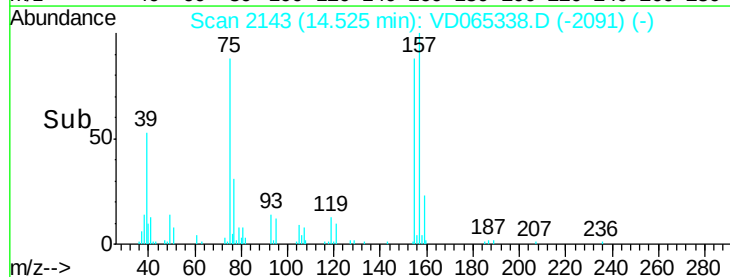
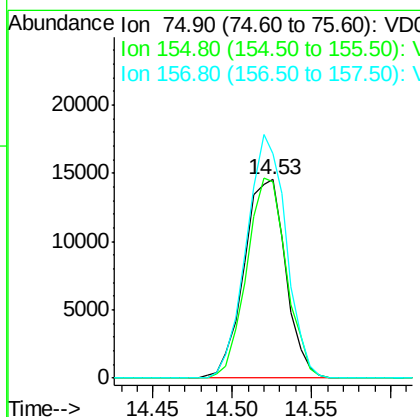
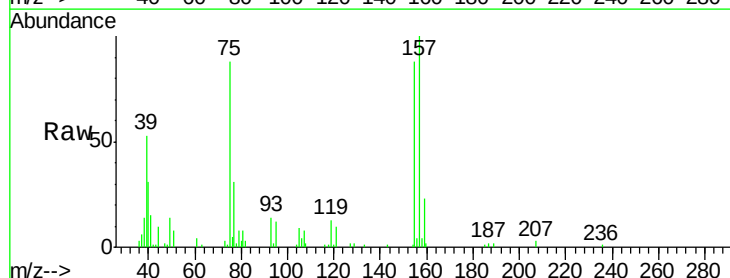
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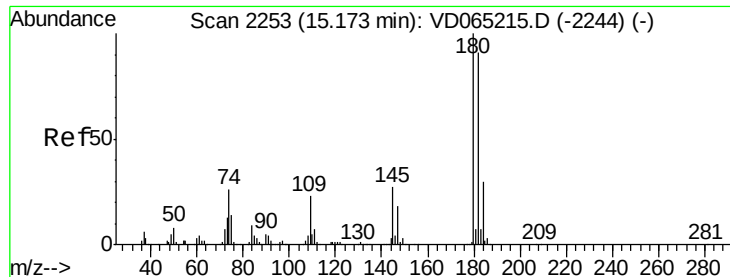
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.664 ug/l
 RT: 14.53 min Scan# 2143
 Delta R.T. 0.01 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	96.0	42.3	126.9
157	116.9	56.7	170.1





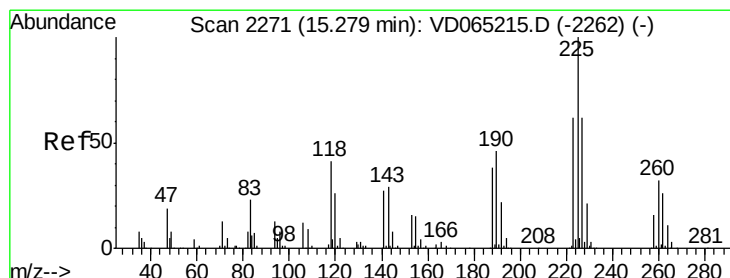
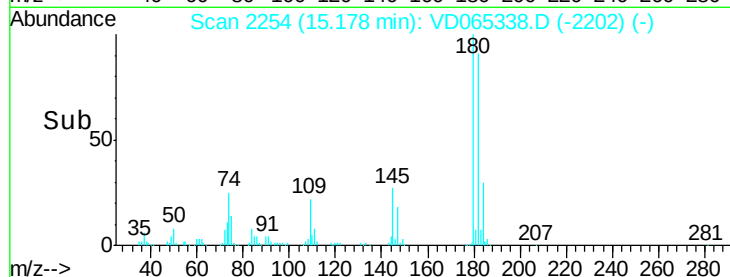
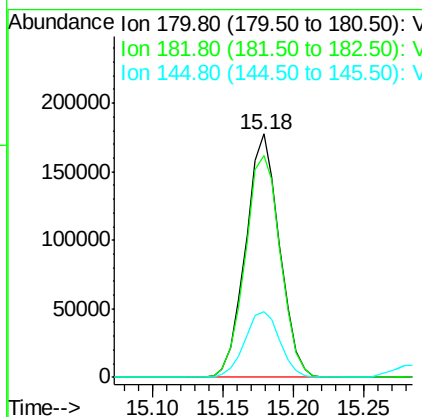
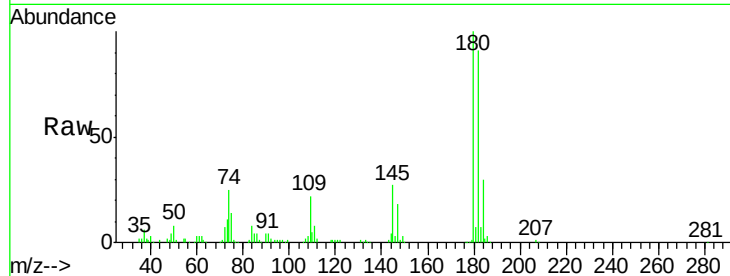
#93
 1,2,4-Trichlorobenzene
 Concen: 55.123 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	180	Resp:	298289
Ion Ratio	Lower	Upper	
180	100		
182	95.4	46.9	140.6
145	28.1	13.9	41.7

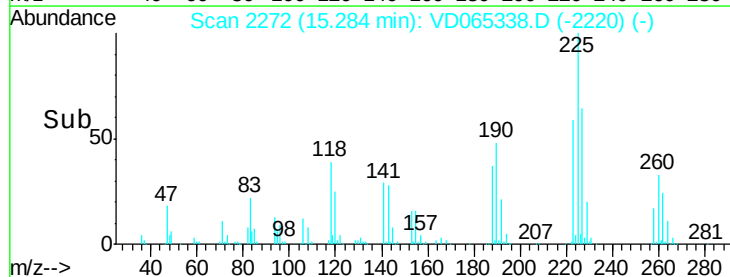
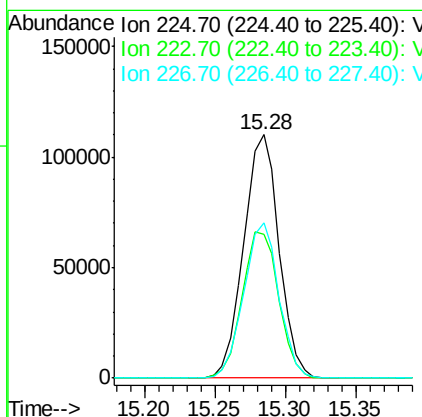
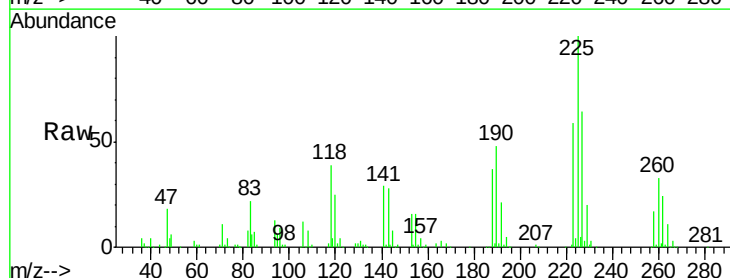
Manual Integrations
 APPROVED

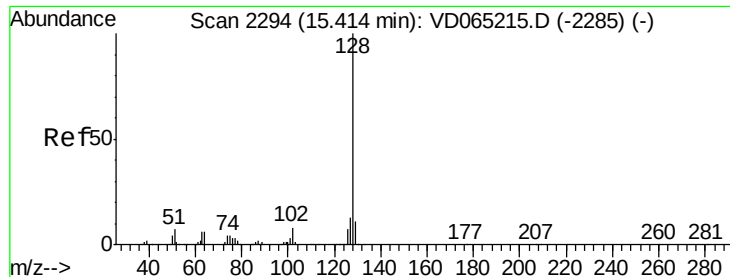
MMDadoda
 2/28/2020 9:59:06 AM



#94
 Hexachlorobutadiene
 Concen: 55.622 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065338.D
 Acq: 27 Feb 2020 10:10

Tgt Ion:	225	Resp:	193079
Ion Ratio	Lower	Upper	
225	100		
223	62.3	31.4	94.2
227	63.6	31.7	95.1





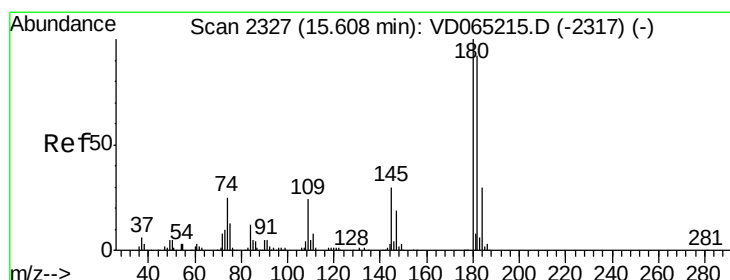
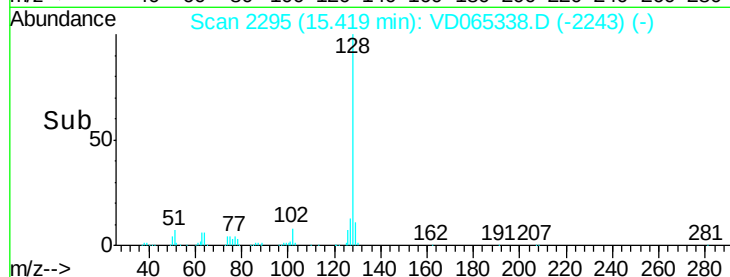
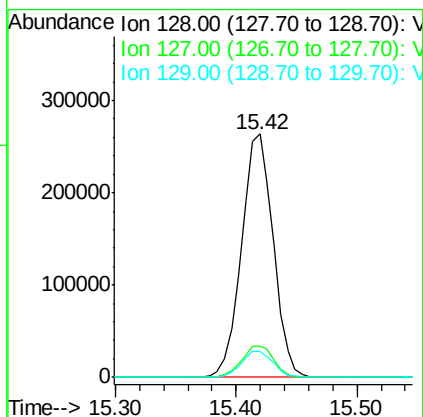
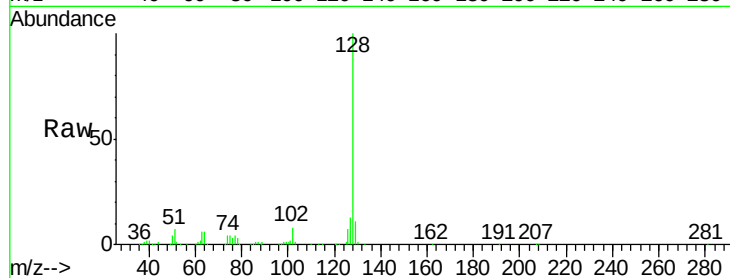
#95
Naphthalene
Concen: 54.818 ug/l
RT: 15.42 min Scan# 2295
Delta R.T. 0.01 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	482232		
127	13.2	10.3	15.5	
129	10.8	8.8	13.2	

Manual Integrations
APPROVED

MMDadoda
2/28/2020 9:59:06 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.754 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065338.D
Acq: 27 Feb 2020 10:10

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	258771		
182	94.6	46.9	140.6	
145	30.0	15.4	46.1	

