

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD030220\
 Data File : VD065382.D
 Acq On : 02 Mar 2020 16:53
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 3/3/2020 11:12:05 AM

Quant Time: Mar 02 17:24:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447658	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	655661	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	614567	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	303340	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	194571	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
35) Dibromofluoromethane	7.92	113	209383	52.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.74%	
50) Toluene-d8	10.34	98	793835	51.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.88%	
62) 4-Bromofluorobenzene	12.64	95	260218	53.75	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.50%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	184435	49.121	ug/l	98
3) Chloromethane	2.21	50	216910	45.388	ug/l	100
4) Vinyl Chloride	2.35	62	217291	44.713	ug/l	98
5) Bromomethane	2.77	94	133994	45.603	ug/l	96
6) Chloroethane	2.92	64	135287	45.607	ug/l	98
7) Trichlorofluoromethane	3.27	101	346181	49.757	ug/l	100
8) Diethyl Ether	3.70	74	107822	51.340	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	223180	50.796	ug/l	99
10) Methyl Iodide	4.29	142	235506	51.625	ug/l	100
11) Tert butyl alcohol	5.24	59	56801	236.033	ug/l	100
12) 1,1-Dichloroethene	4.06	96	203727	49.085	ug/l	99
13) Acrolein	3.92	56	71799	242.720	ug/l	99
14) Allyl chloride	4.71	41	326745	48.479	ug/l	99
15) Acrylonitrile	5.43	53	242438	260.741	ug/l	99
16) Acetone	4.16	43	212473	215.832	ug/l	97
17) Carbon Disulfide	4.40	76	634826	45.622	ug/l	100
18) Methyl Acetate	4.72	43	109327	49.378	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	458136	52.932	ug/l	97
20) Methylene Chloride	4.96	84	246084	56.776	ug/l	94
21) trans-1,2-Dichloroethene	5.47	96	234965	49.798	ug/l	99
22) Diisopropyl ether	6.37	45	681331	52.438	ug/l	98
23) Vinyl Acetate	6.31	43	1915228	267.376	ug/l	98
24) 1,1-Dichloroethane	6.26	63	401592	49.830	ug/l	98
25) 2-Butanone	7.22	43	293959	236.012	ug/l	98
26) 2,2-Dichloropropane	7.21	77	343748	49.160	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	255978	51.217	ug/l	98
28) Bromochloromethane	7.55	49	151267	50.592	ug/l	99
29) Tetrahydrofuran	7.57	42	191752	262.752	ug/l	99
30) Chloroform	7.71	83	414112	51.003	ug/l	95
31) Cyclohexane	7.98	56	367827	46.452	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	365445	50.305	ug/l	99
36) 1,1-Dichloropropene	8.11	75	321855	50.450	ug/l	99
37) Ethyl Acetate	7.30	43	133655	50.115	ug/l	99
38) Carbon Tetrachloride	8.10	117	329347	50.713	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	395358	52.714	ug/l	97
40) Benzene	8.35	78	944159	52.433	ug/l	100
41) Methacrylonitrile	7.53	41	79413	51.570	ug/l	95
42) 1,2-Dichloroethane	8.43	62	247747	50.046	ug/l	98
43) Isopropyl Acetate	8.46	43	250935	51.741	ug/l	100
44) Trichloroethene	9.11	130	260583	52.205	ug/l	94
45) 1,2-Dichloropropane	9.39	63	235970	52.700	ug/l	99
46) Dibromomethane	9.48	93	121809	52.873	ug/l	97
47) Bromodichloromethane	9.67	83	315755	52.007	ug/l	98
48) Methyl methacrylate	9.46	41	120143	53.594	ug/l	95
49) 1,4-Dioxane	9.47	88	28327	1048.359	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	658645	267.385	ug/l	99
52) Toluene	10.41	92	604736	54.256	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	305983	54.372	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	369187	54.327	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	173882	53.624	ug/l	98
56) Ethyl methacrylate	10.67	69	211923	56.623	ug/l	99
57) 1,3-Dichloropropane	10.95	76	294134	53.296	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	292826	248.164	ug/l	98
59) 2-Hexanone	10.99	43	465327	263.893	ug/l	97
60) Dibromochloromethane	11.14	129	226319	54.530	ug/l	98
61) 1,2-Dibromoethane	11.25	107	167347	54.507	ug/l	98
64) Tetrachloroethene	10.88	164	222122	50.960	ug/l	96
65) Chlorobenzene	11.67	112	634024	51.409	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	238473	51.816	ug/l	99
67) Ethyl Benzene	11.75	91	1124930	52.081	ug/l	99
68) m/p-Xylenes	11.86	106	877974	106.243	ug/l	99
69) o-Xylene	12.18	106	394547	53.890	ug/l	98
70) Styrene	12.20	104	699646	53.824	ug/l	99
71) Bromoform	12.37	173	134688	52.740	ug/l #	99
73) Isopropylbenzene	12.48	105	1081367	53.846	ug/l	99
74) N-amyl acetate	12.30	43	233282	52.277	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	185523	51.186	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	124939m	48.409	ug/l	
77) Bromobenzene	12.77	156	264842	53.108	ug/l	98
78) n-propylbenzene	12.83	91	1288262	53.380	ug/l	99
79) 2-Chlorotoluene	12.91	91	705725	52.199	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	896325	54.190	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	58475	48.920	ug/l	96
82) 4-Chlorotoluene	13.01	91	749165	52.195	ug/l	98
83) tert-Butylbenzene	13.23	119	740733	53.432	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	891630	53.856	ug/l	100
85) sec-Butylbenzene	13.41	105	1065008	53.314	ug/l	100
86) p-Isopropyltoluene	13.53	119	987553	54.060	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	502539	52.127	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	494755	51.998	ug/l	100
89) n-Butylbenzene	13.86	91	913039	54.239	ug/l	100
90) Hexachloroethane	14.12	117	191886	51.732	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	431849	52.170	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28533	51.085	ug/l	97

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93) 1,2,4-Trichlorobenzene	15.18	180	302608	55.887	ug/l	98
94) Hexachlorobutadiene	15.28	225	185879	53.515	ug/l	100
95) Naphthalene	15.41	128	506707	57.564	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	264875	56.011	ug/l	98

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

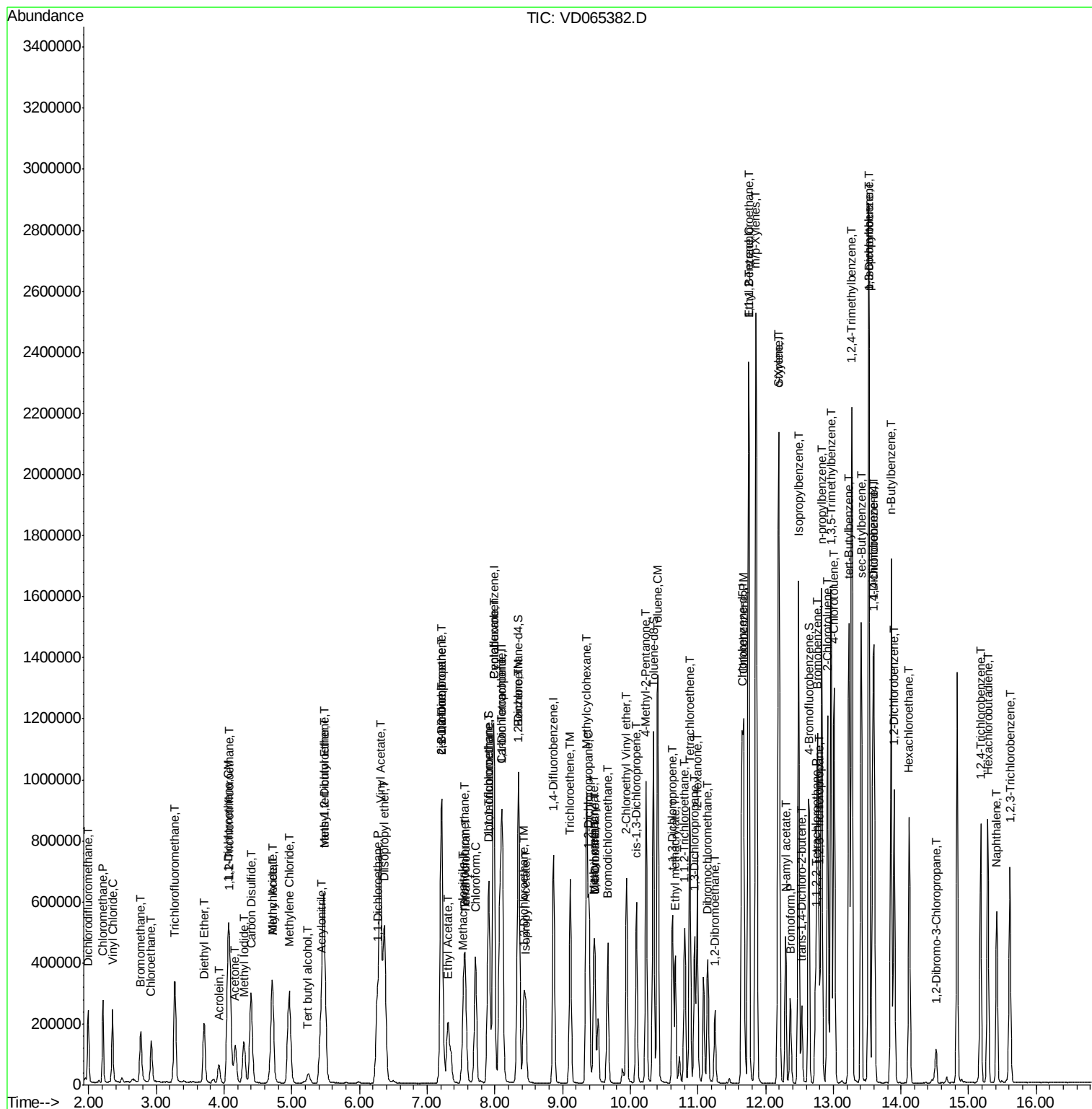
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD030220\
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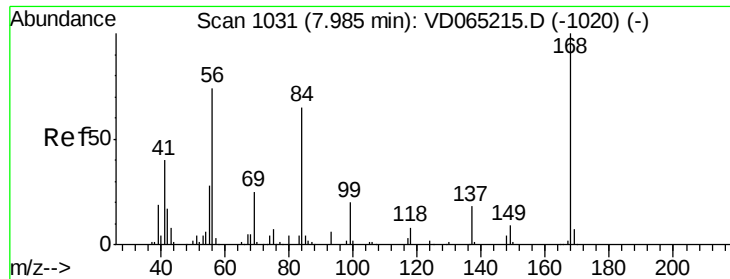
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 447658

Ion Ratio Lower Upper

168 100

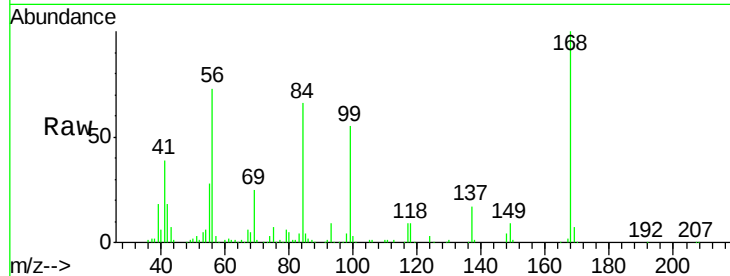
99 54.8 41.4 62.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

200000

150000

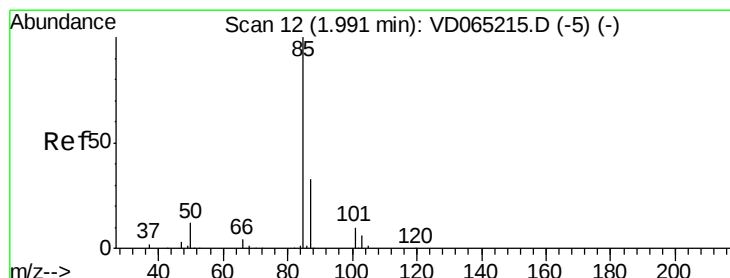
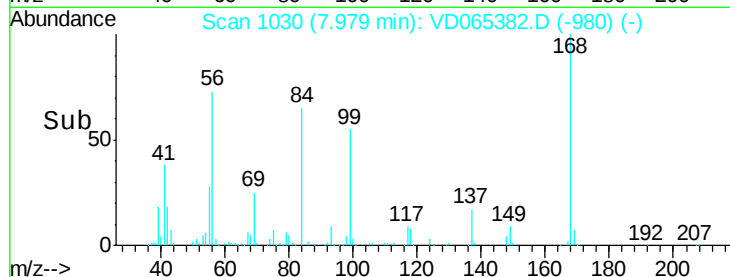
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 49.121 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065382.D

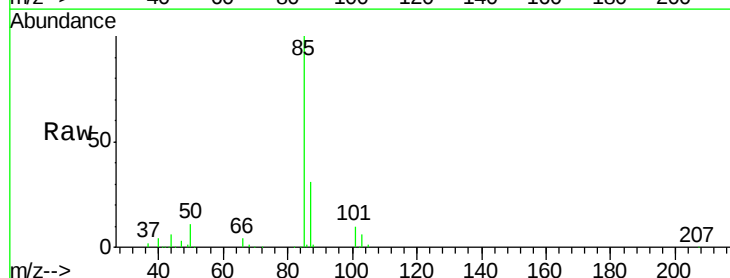
Acq: 02 Mar 2020 16:53

Tgt Ion: 85 Resp: 184435

Ion Ratio Lower Upper

85 100

87 31.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

150000

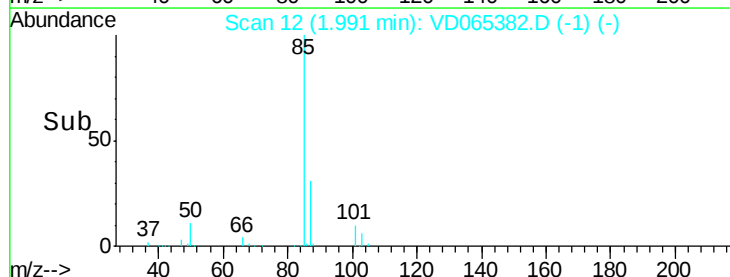
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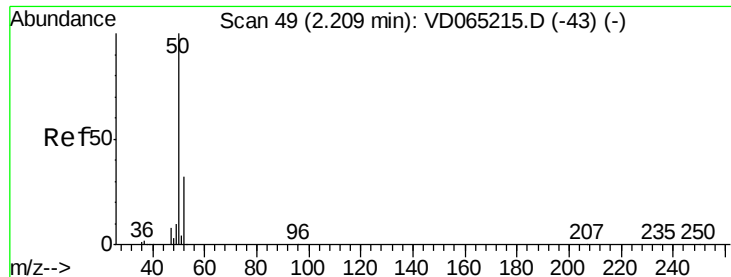
50000

0

1.90 2.00 2.10

Time-->





#3

Chloromethane

Concen: 45.388 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 216910

Ion Ratio Lower Upper

50 100

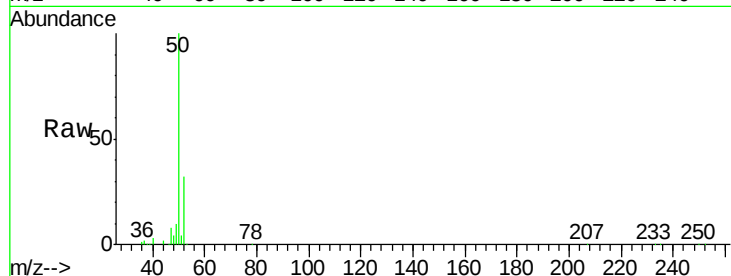
52 32.1 25.5 38.3

Manual Integrations

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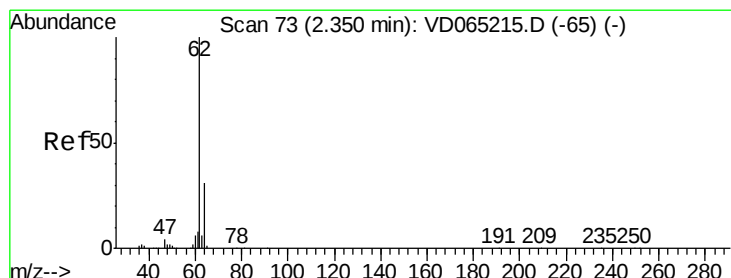
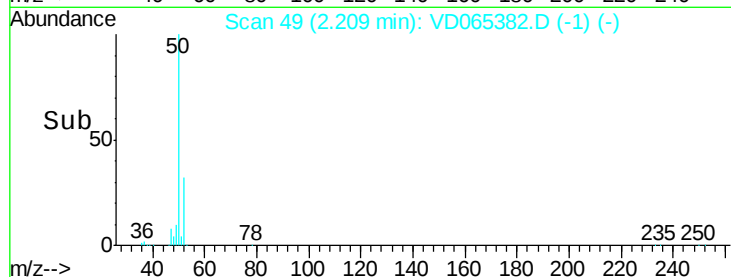
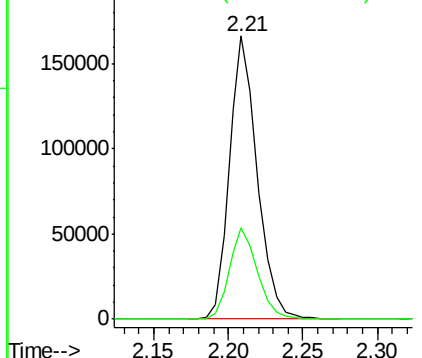
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.713 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065382.D

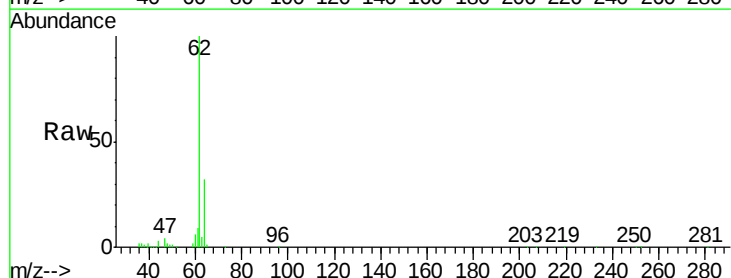
Acq: 02 Mar 2020 16:53

Tgt Ion: 62 Resp: 217291

Ion Ratio Lower Upper

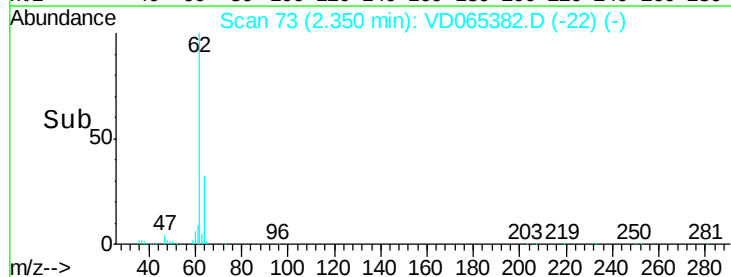
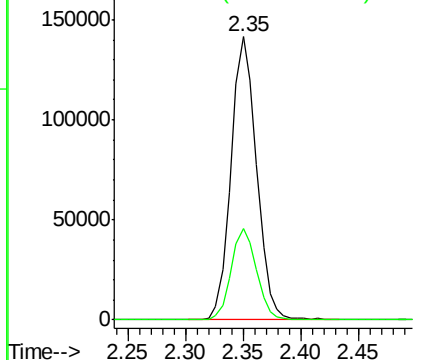
62 100

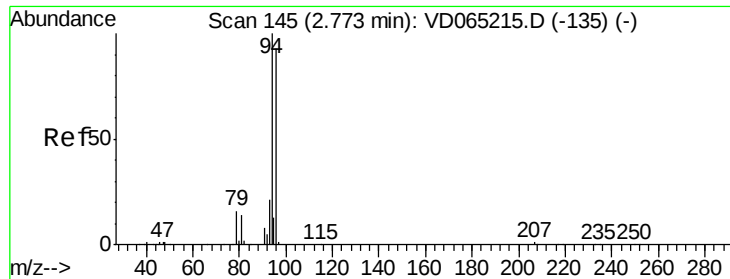
64 32.4 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 45.603 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

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MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 133994

Ion Ratio Lower Upper

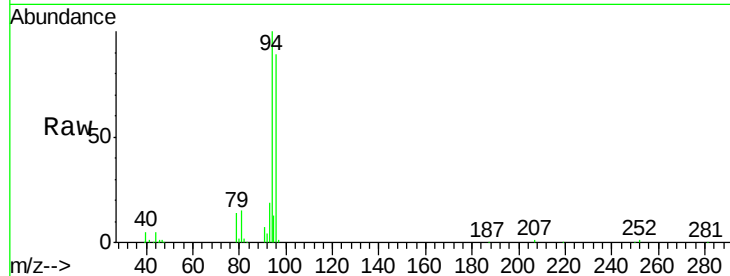
94 100

96 88.9 74.2 111.4

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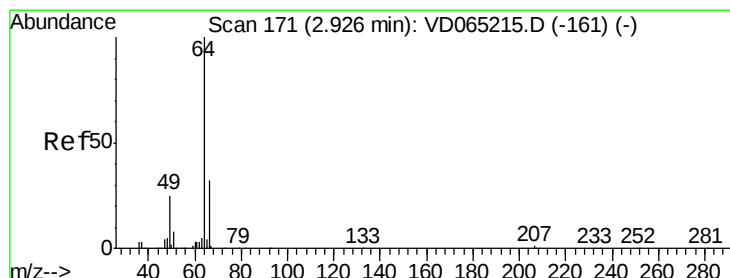
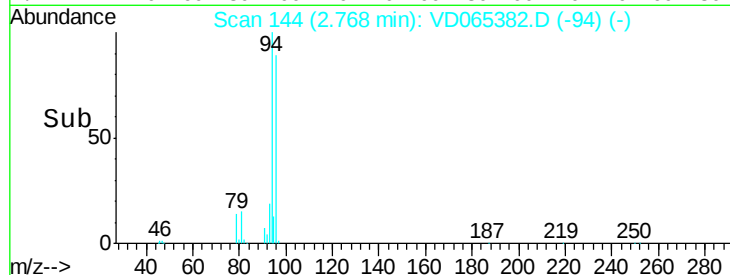
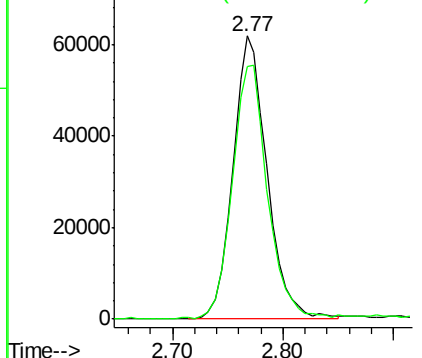
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 45.607 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD065382.D

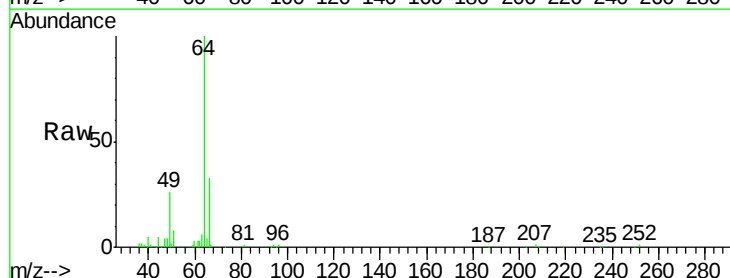
Acq: 02 Mar 2020 16:53

Tgt Ion: 64 Resp: 135287

Ion Ratio Lower Upper

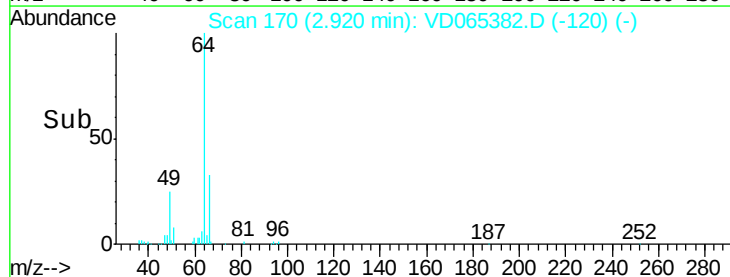
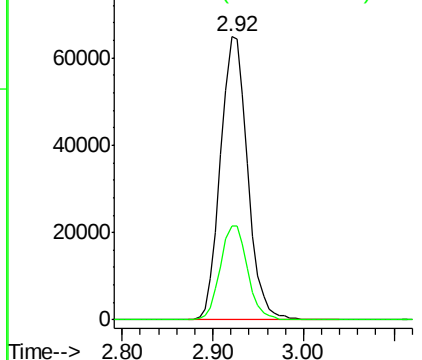
64 100

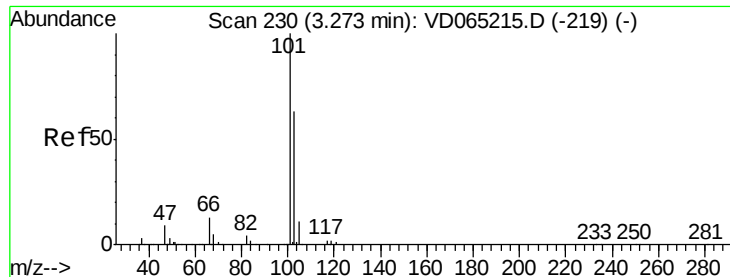
66 33.3 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

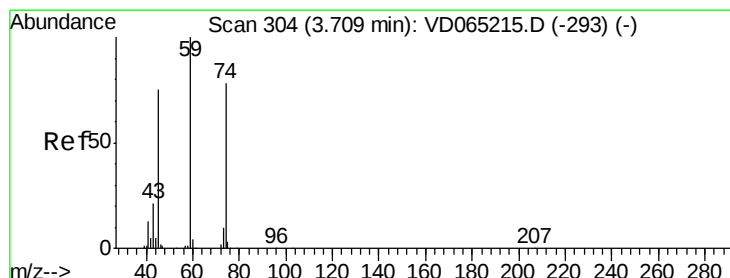
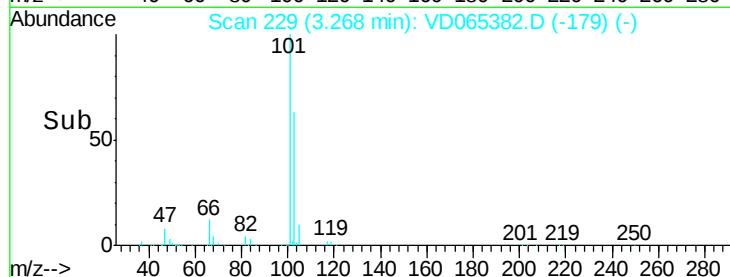
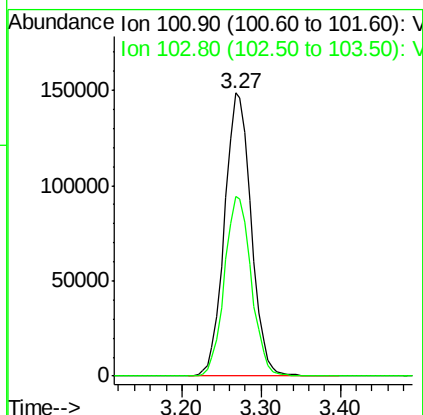
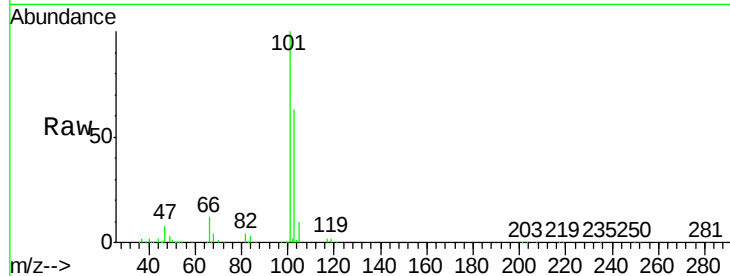
Trichlorofluoromethane
Concen: 49.757 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	63.3	50.7	76.1

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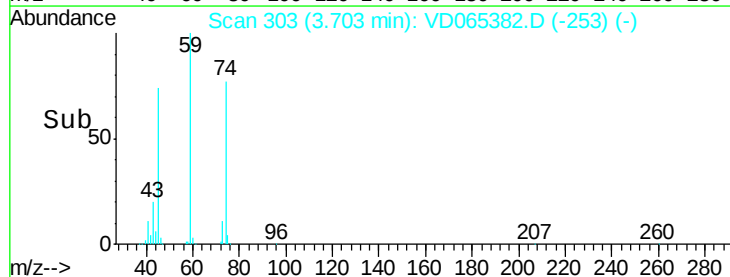
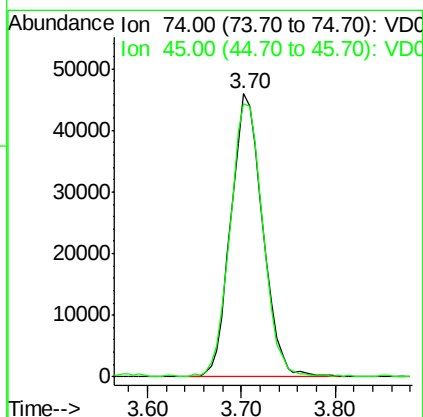
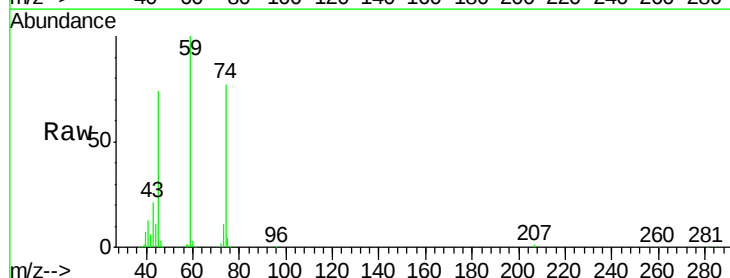
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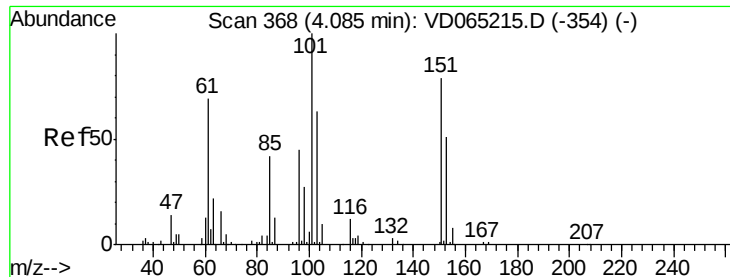


#8

Diethyl Ether
Concen: 51.340 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.5	50.0	149.8





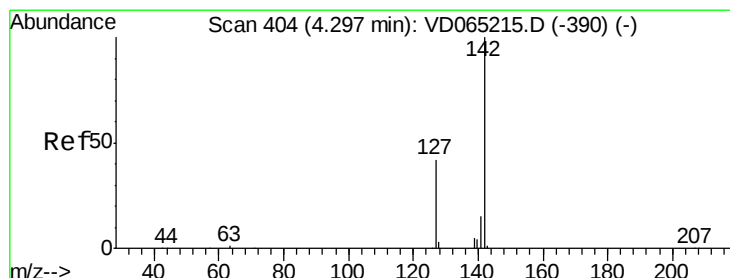
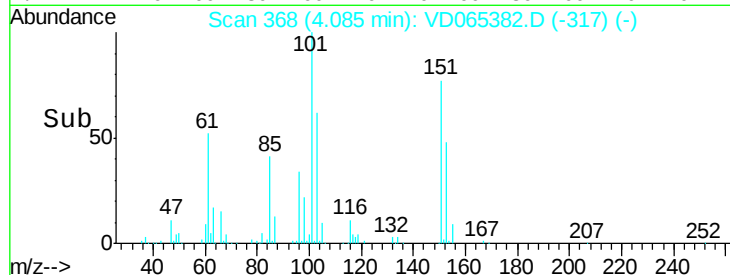
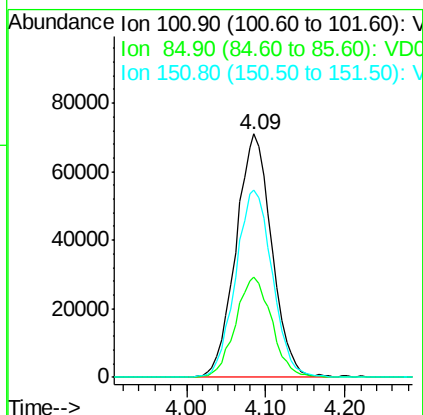
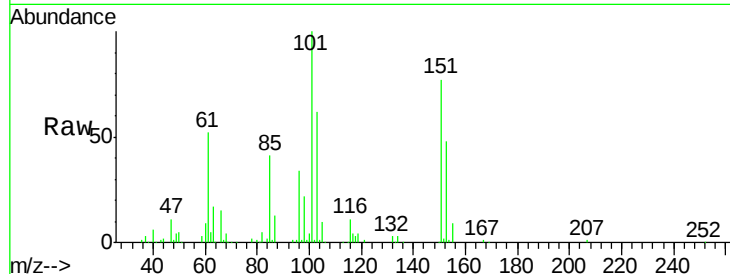
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.796 ug/l
 RT: 4.09 min Scan# 368
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
101	100		
85	41.4	34.2	51.2
151	78.8	63.5	95.3

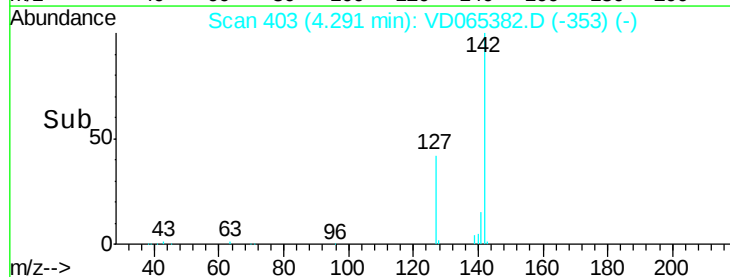
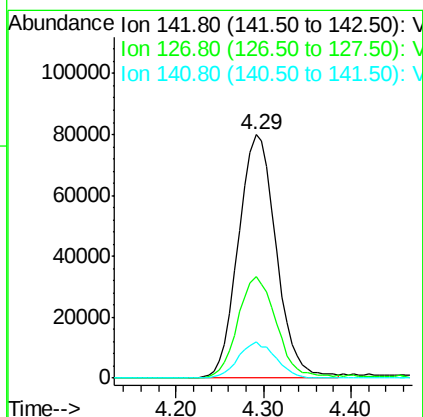
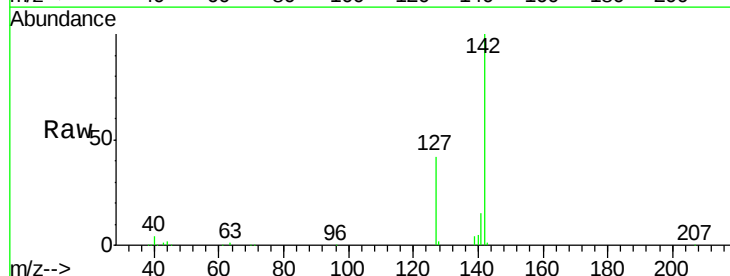
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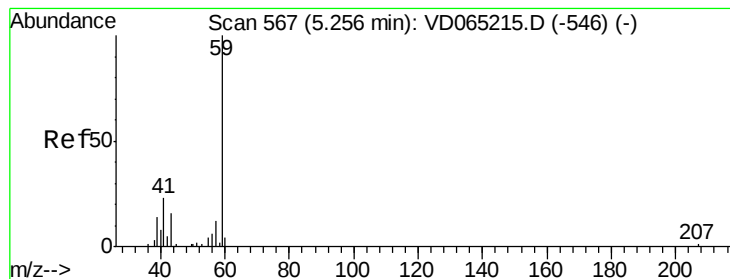
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#10
 Methyl Iodide
 Concen: 51.625 ug/l
 RT: 4.29 min Scan# 403
 Delta R.T. -0.01 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
142	100		
127	42.5	33.8	50.8
141	14.9	11.7	17.5





#11

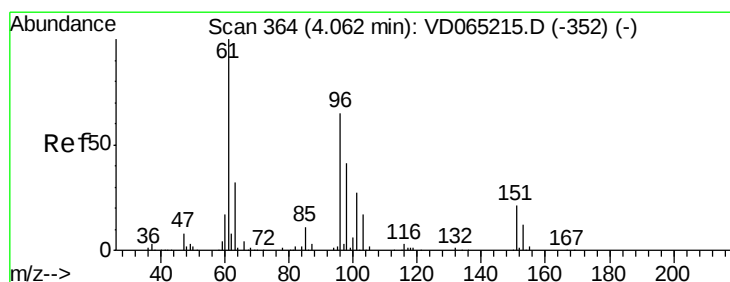
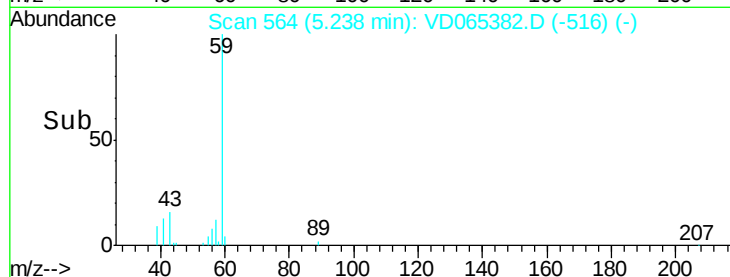
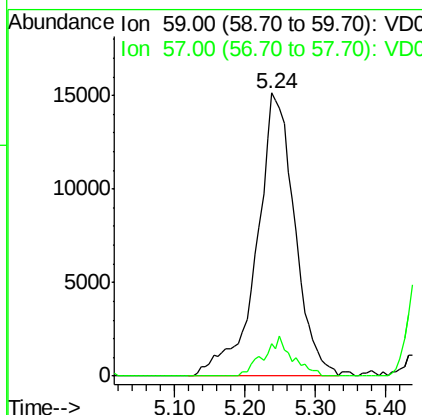
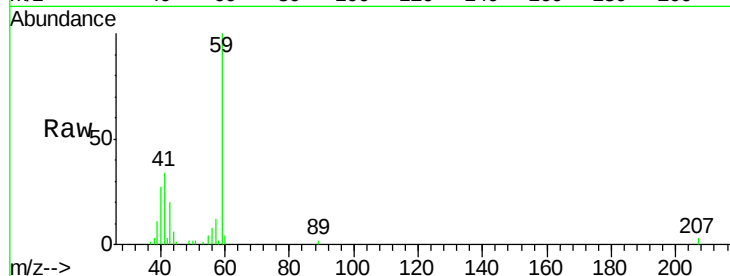
Tert butyl alcohol
Concen: 236.033 ug/l
RT: 5.24 min Scan# 564
Delta R.T. -0.02 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	59	Resp	56801
Ion Ratio	100	Lower	Upper
57	10.6	8.4	12.6

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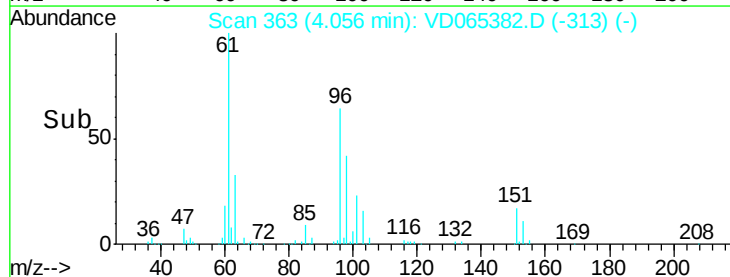
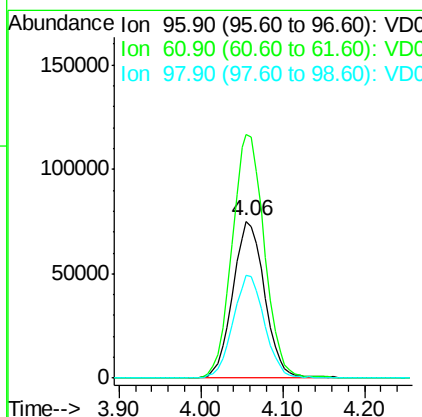
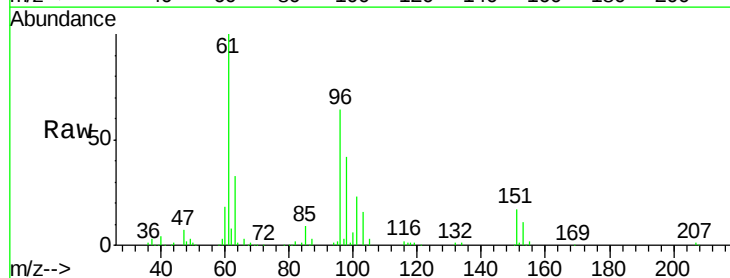
MMDadoda
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#12

1,1-Dichloroethene
Concen: 49.085 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	96	Resp	203727
Ion Ratio	100	Lower	Upper
61	155.5	123.3	184.9
98	65.6	51.0	76.4





#13

Acrolein

Concen: 242.720 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 71799

Ion Ratio Lower Upper

56 100

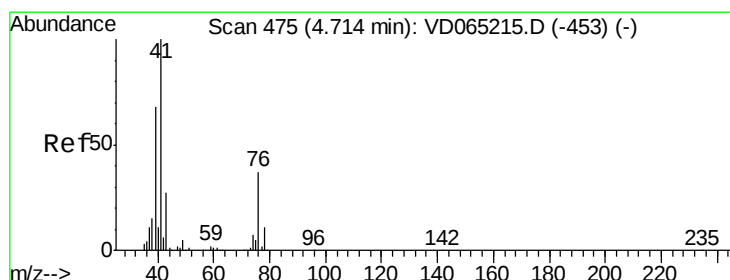
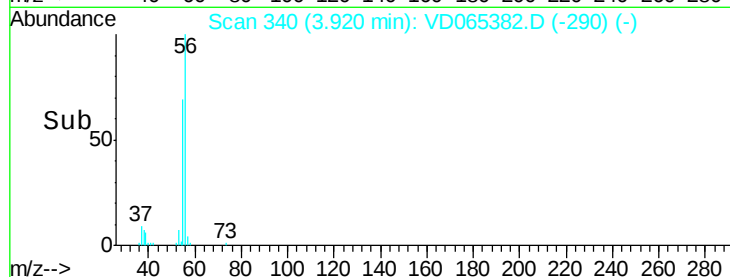
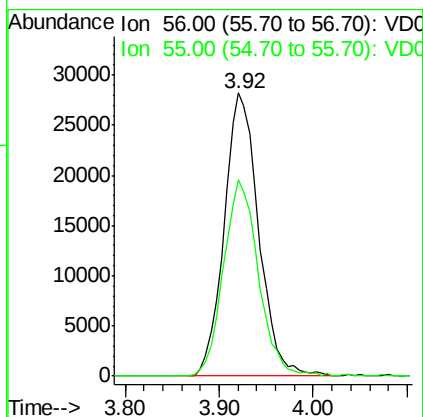
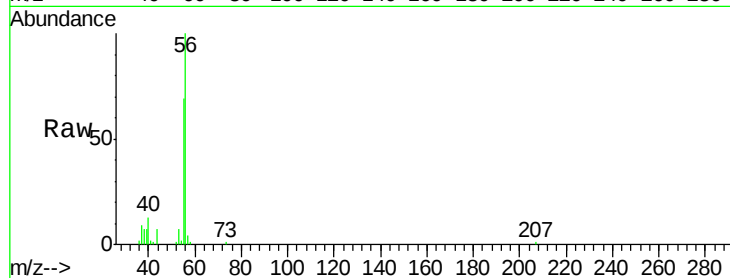
55 70.1 56.6 85.0

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#14

Allyl chloride

Concen: 48.479 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

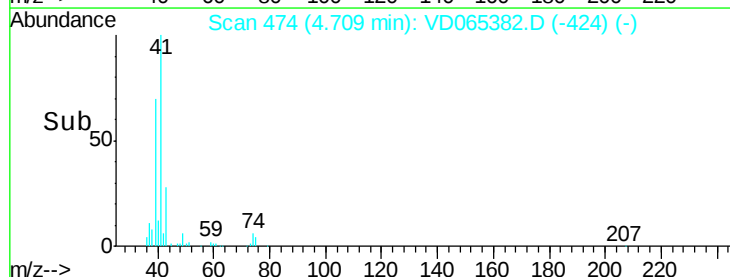
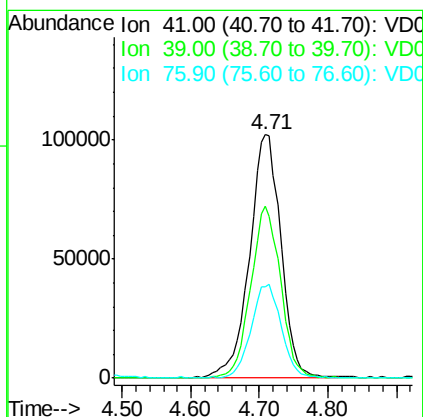
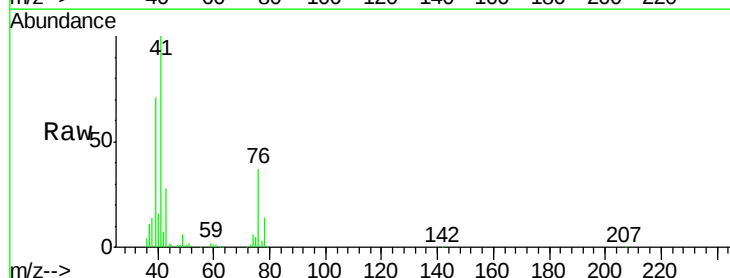
Tgt Ion: 41 Resp: 326745

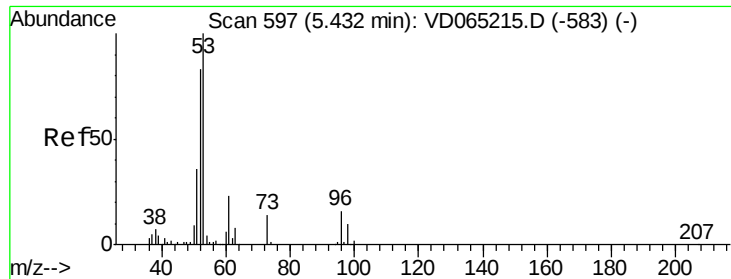
Ion Ratio Lower Upper

41 100

39 67.1 53.8 80.6

76 37.1 28.7 43.1





#15

Acrylonitrile

Concen: 260.741 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

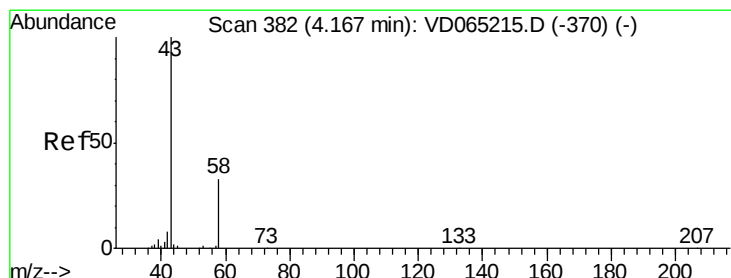
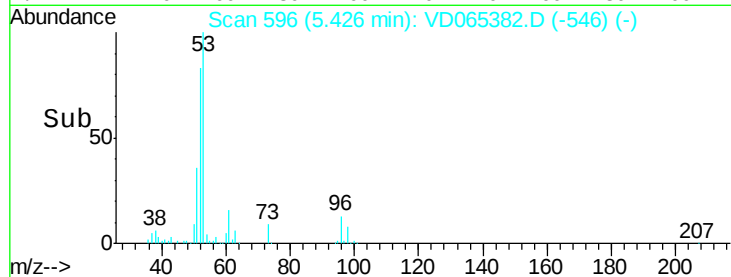
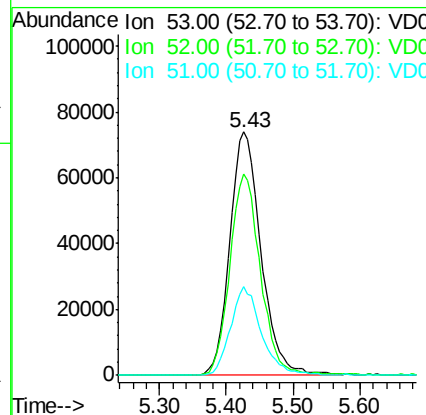
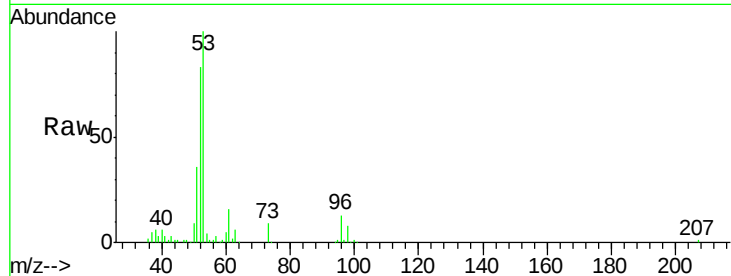
ClientSampleID :

VSTDCCC050EC

Tot Ion:	53	Resp:	242438
Ion Ratio	Lower	Upper	
53	100		
52	81.4	65.4	98.2
51	36.1	29.5	44.3

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#16

Acetone

Concen: 215.832 ug/l

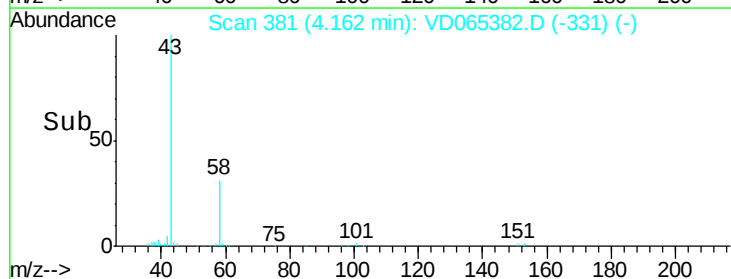
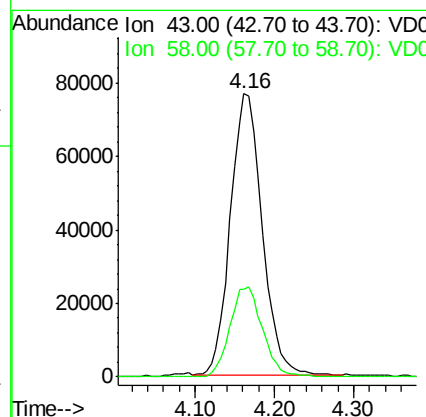
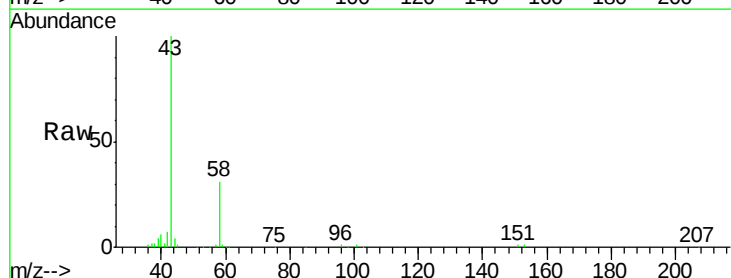
RT: 4.16 min Scan# 381

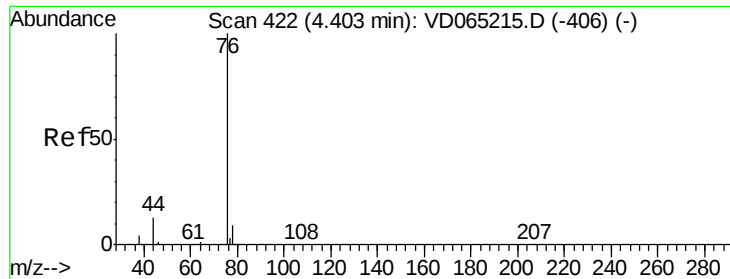
Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tgt Ion:	43	Resp:	212473
Ion Ratio	Lower	Upper	
43	100		
58	31.2	26.2	39.2





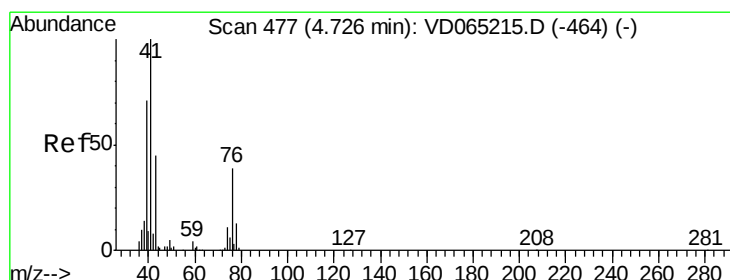
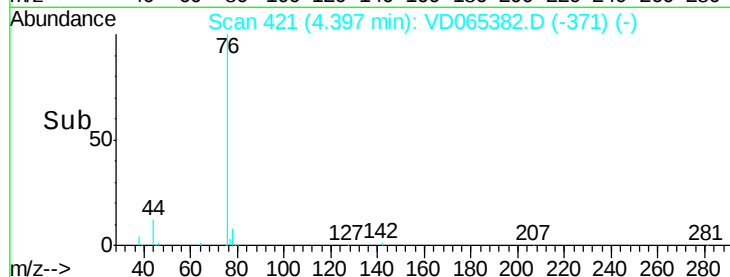
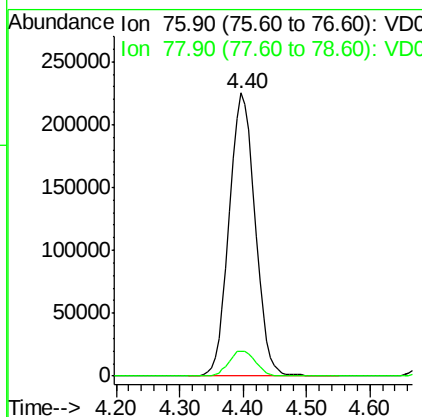
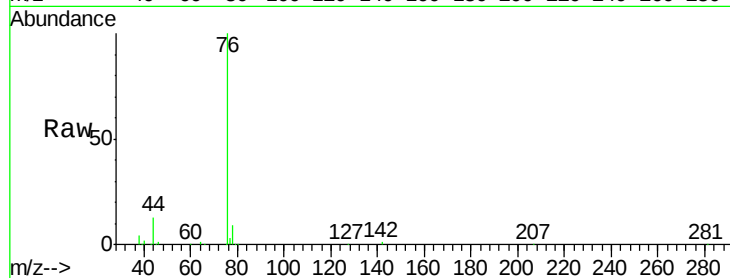
#17
Carbon Disulfide
Concen: 45.622 ug/l
RT: 4.40 min Scan# 421
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.6

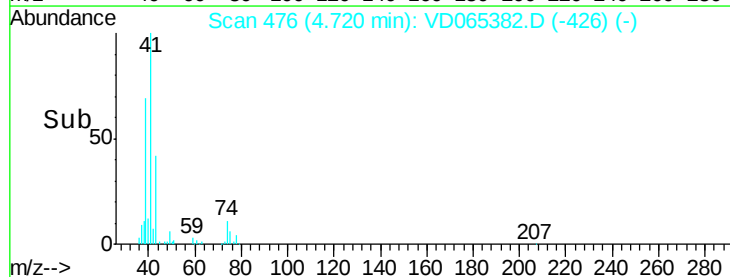
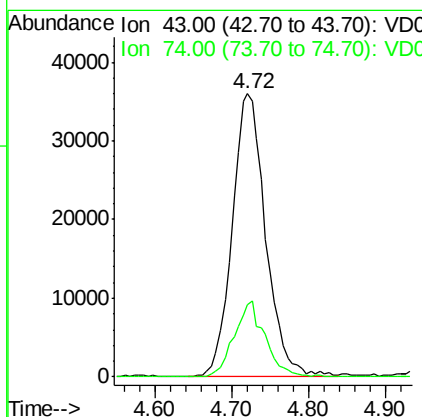
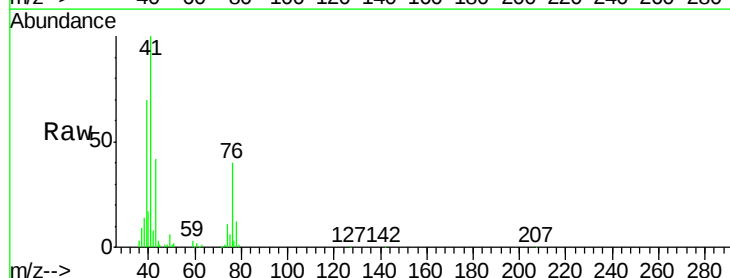
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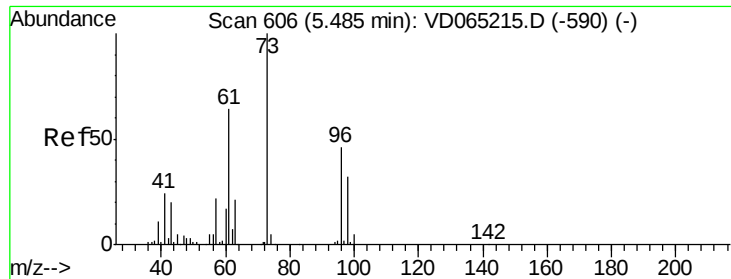
MMDadoda
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#18
Methyl Acetate
Concen: 49.378 ug/l
RT: 4.72 min Scan# 476
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.6	19.4	29.2





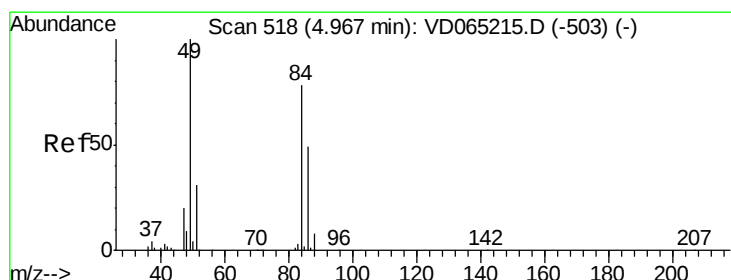
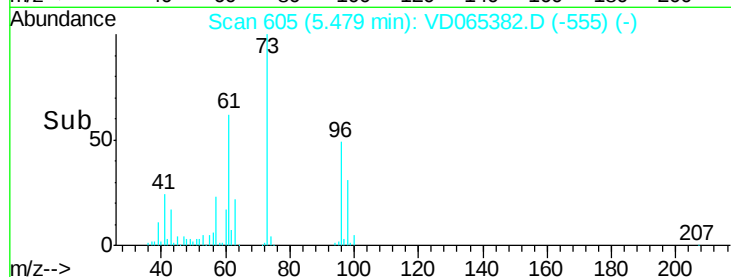
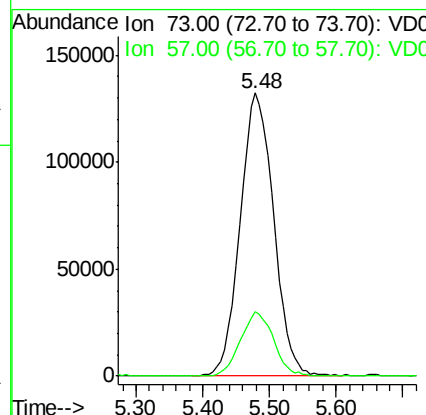
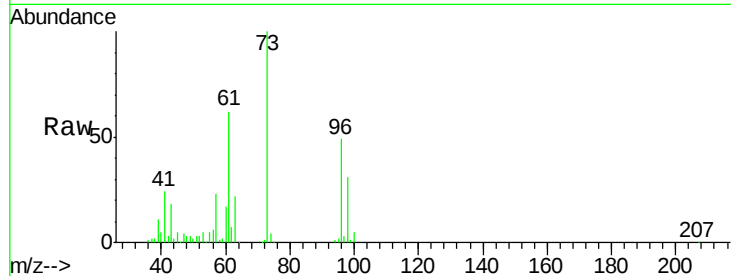
#19
Methvl tert-butvl Ether
Concen: 52.932 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 458136
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9

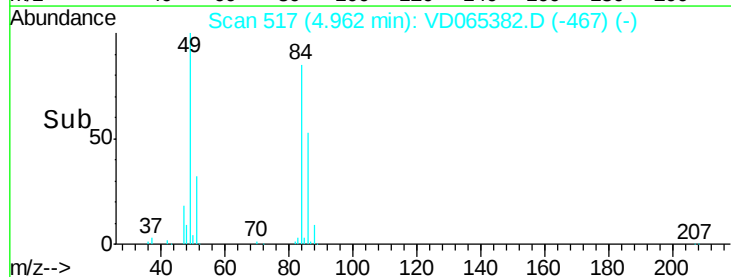
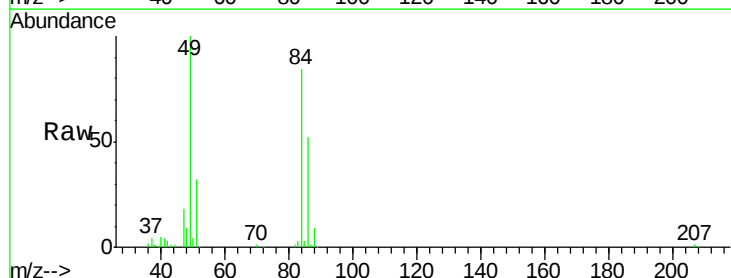
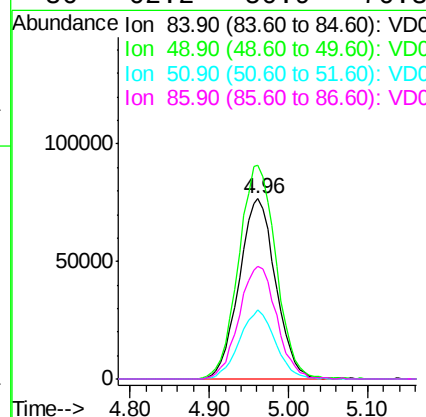
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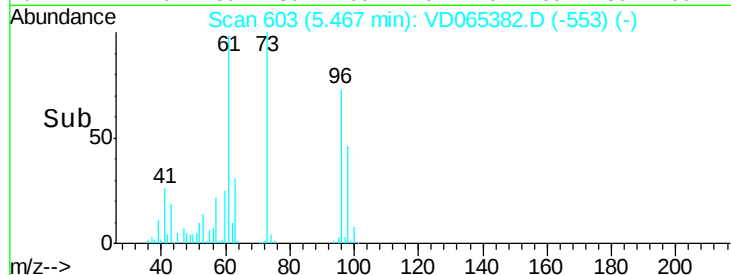
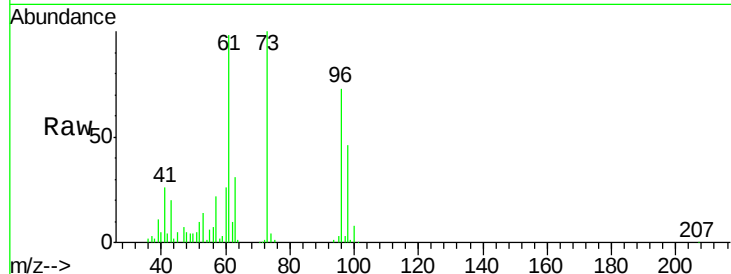
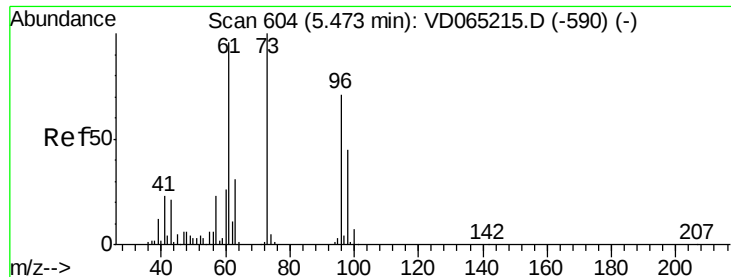
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#20
Methylene Chloride
Concen: 56.776 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion: 84 Resp: 246084
Ion Ratio Lower Upper
84 100
49 118.3 103.1 154.7
51 38.1 31.7 47.5
86 62.2 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 49.798 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tot Ion:	96	Resp:	234965
Ion	Ratio	Lower	Upper
96	100		
61	134.2	108.3	162.5
98	62.9	50.7	76.1

Instrument :

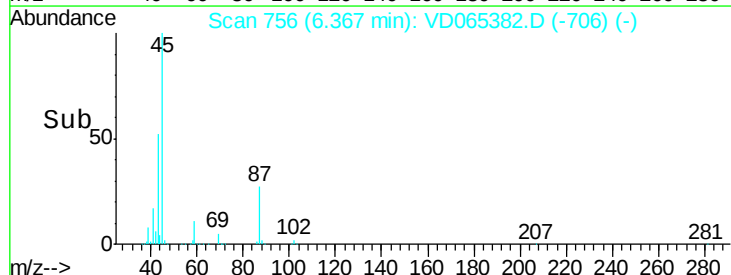
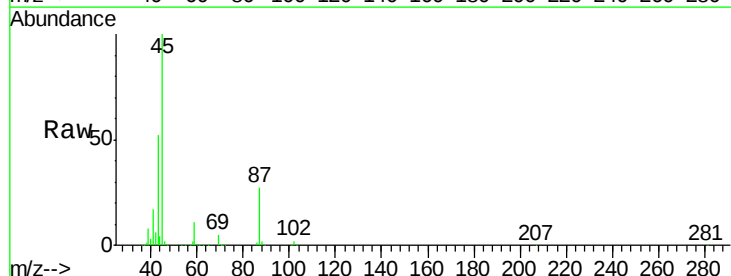
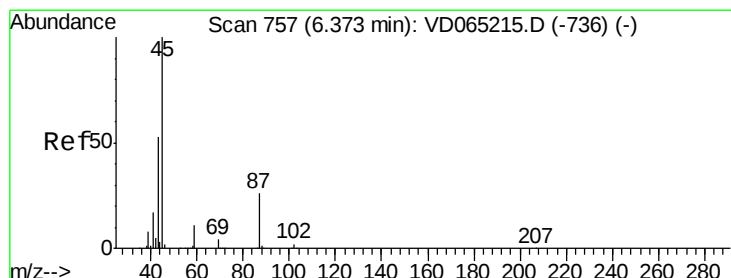
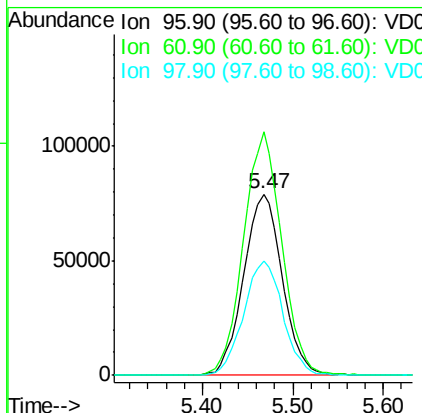
MSVOA_D

ClientSampleId :

VSTDCCC050EC

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#22

Diisopropyl ether

Concen: 52.438 ug/l

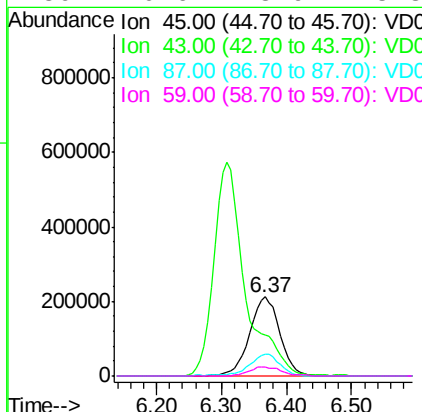
RT: 6.37 min Scan# 756

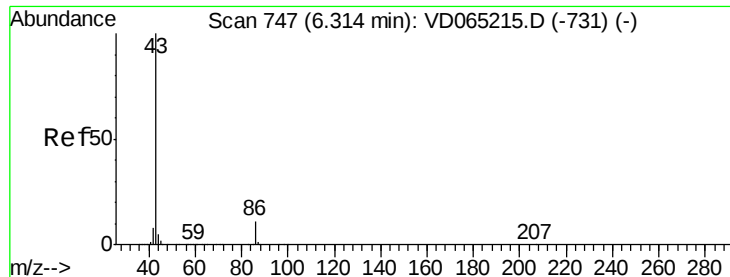
Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tgt Ion:	45	Resp:	681331
Ion	Ratio	Lower	Upper
45	100		
43	51.6	42.6	64.0
87	27.2	21.2	31.8
59	10.6	8.9	13.3





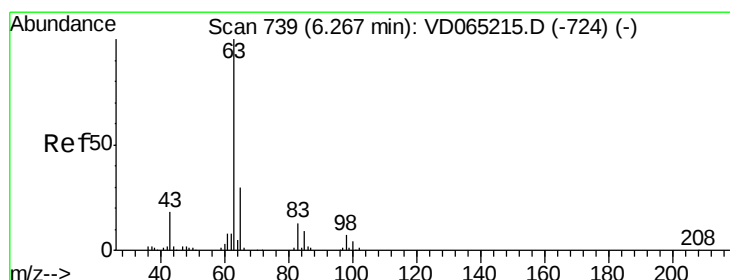
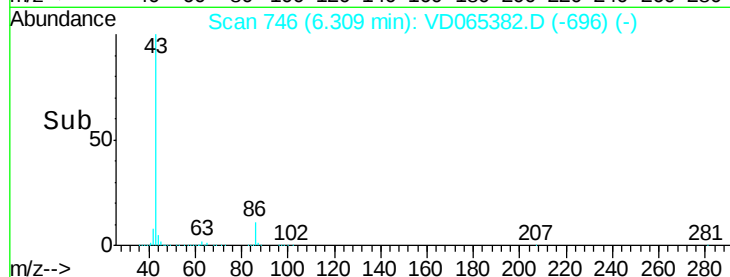
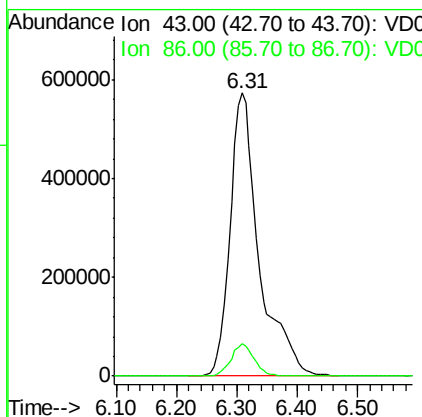
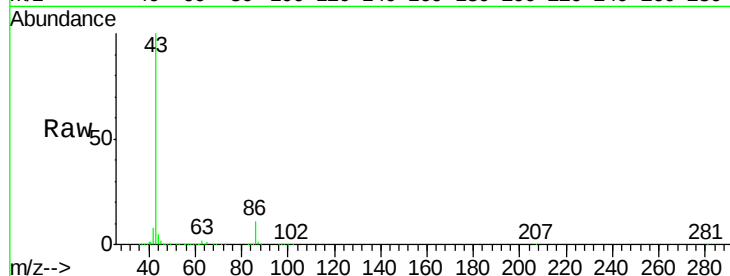
#23
 Vinyl Acetate
 Concen: 267.376 ug/l
 RT: 6.31 min Scan# 746
 Delta R.T. -0.01 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion: 43 Resp: 1915228
 Ion Ratio Lower Upper
 43 100
 86 11.3 8.6 12.8

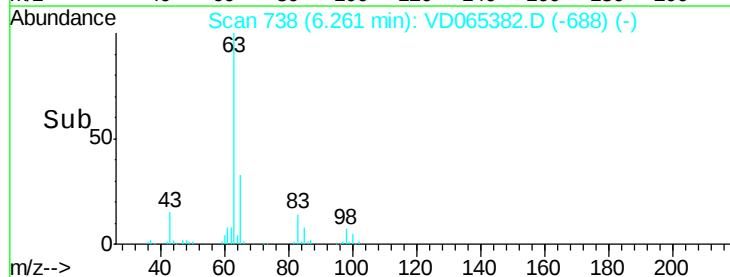
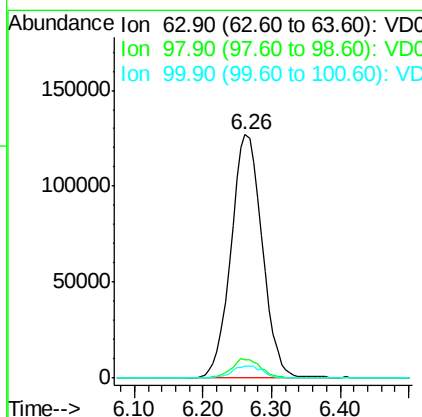
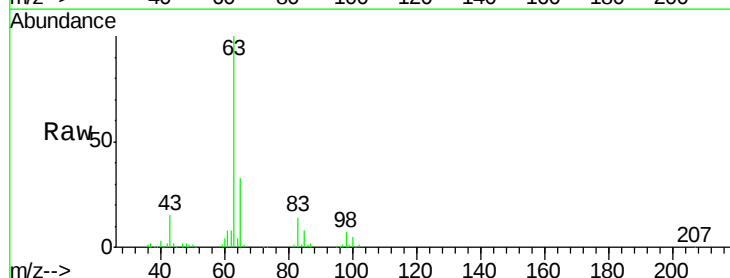
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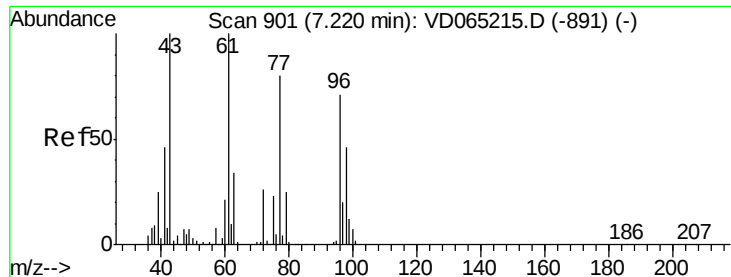
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#24
 1,1-Dichloroethane
 Concen: 49.830 ug/l
 RT: 6.26 min Scan# 738
 Delta R.T. -0.01 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion: 63 Resp: 401592
 Ion Ratio Lower Upper
 63 100
 98 7.4 3.4 10.1
 100 4.9 2.3 6.8





#25

2-Butanone

Concen: 236.012 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 293959

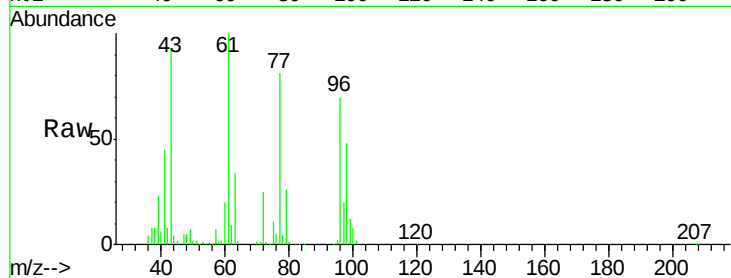
Ion Ratio Lower Upper

43 100

72 27.3 20.9 31.3

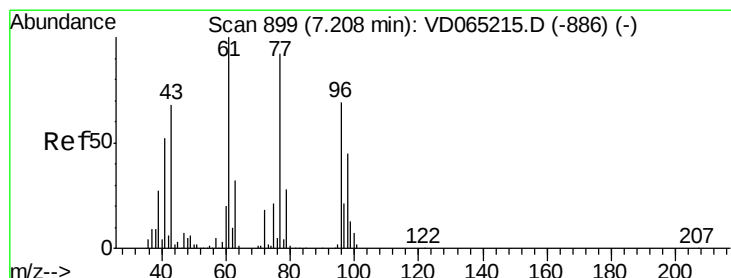
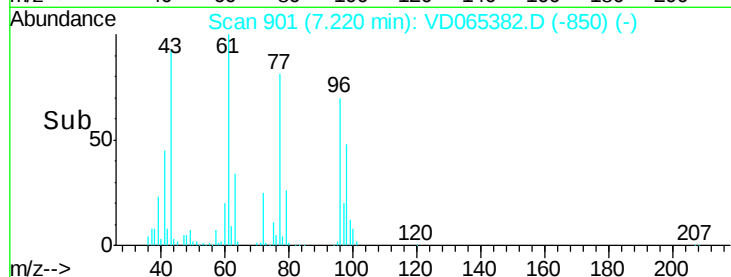
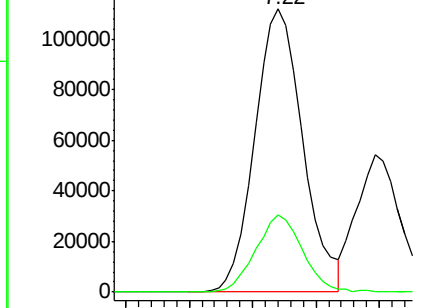
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 49.160 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065382.D

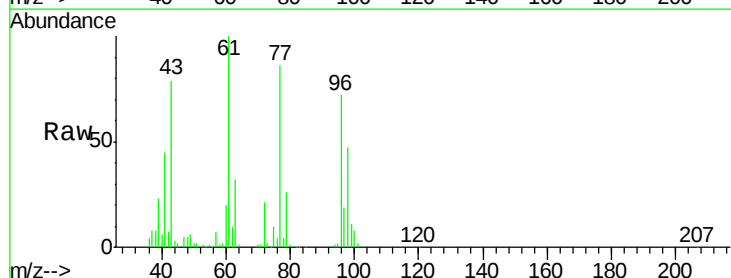
Acq: 02 Mar 2020 16:53

Tgt Ion: 77 Resp: 343748

Ion Ratio Lower Upper

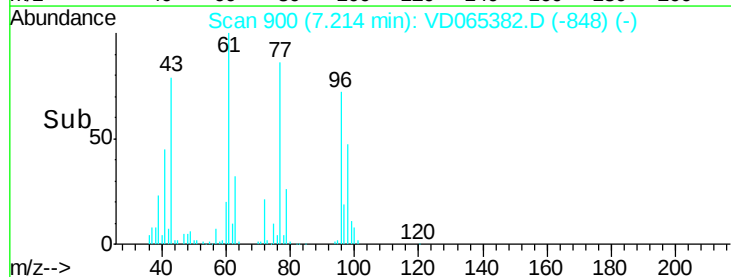
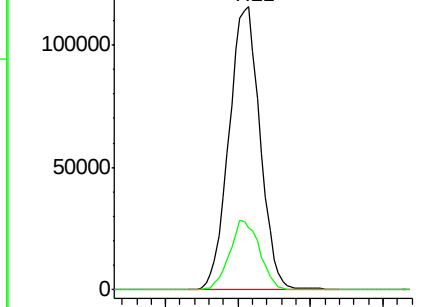
77 100

97 23.8 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC





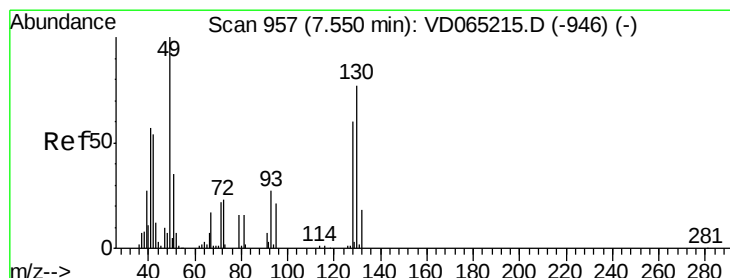
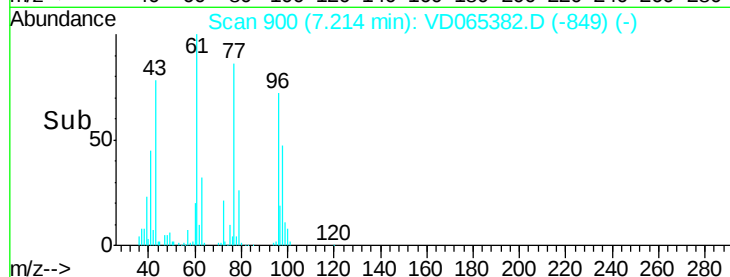
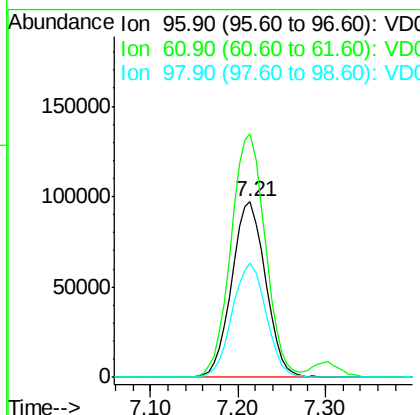
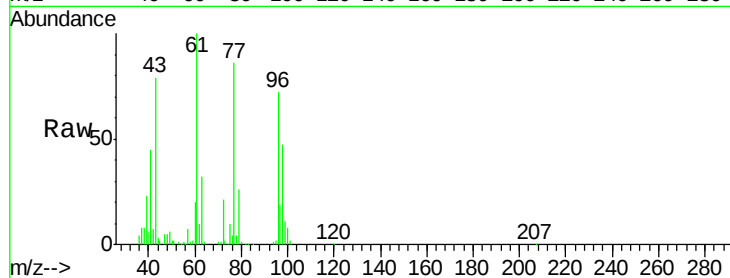
#27
 cis-1,2-Dichloroethene
 Concen: 51.217 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
96	100		
61	140.3	0.0	286.0
98	65.3	0.0	127.8

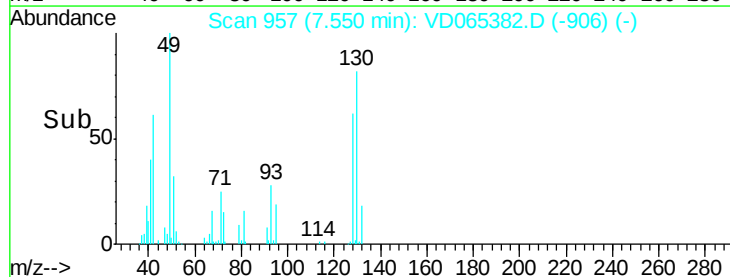
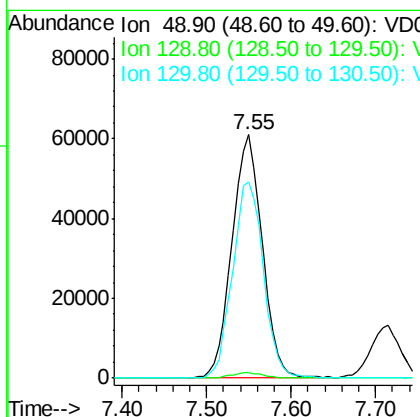
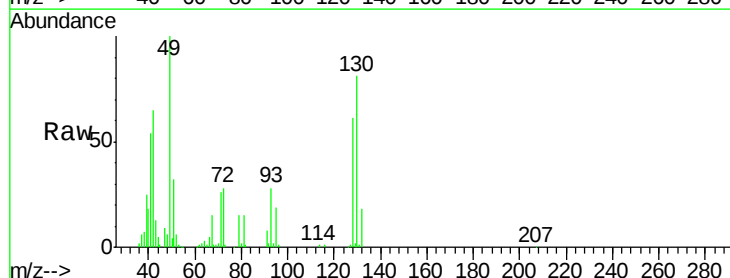
Manual Integrations
 APPROVED

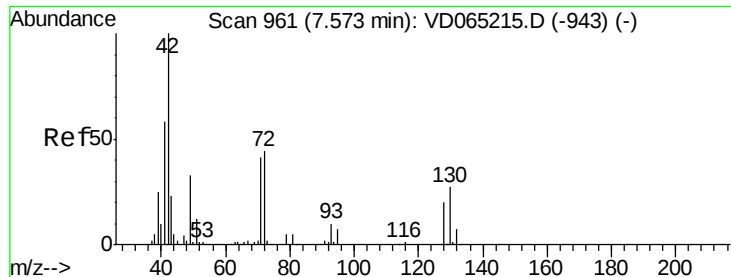
MMDadoda
 3/3/2020 11:12:05 AM



#28
 Bromochloromethane
 Concen: 50.592 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.2	0.0	4.6
130	82.0	64.7	97.1





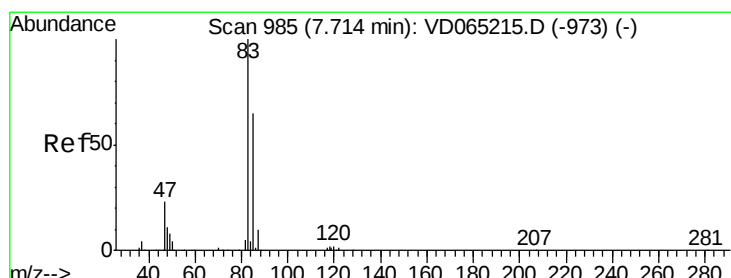
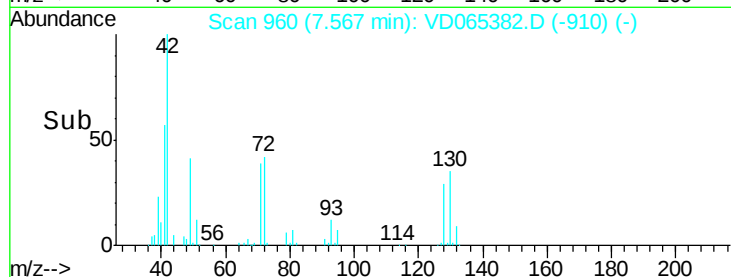
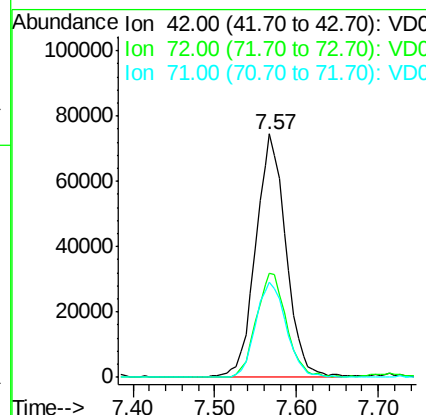
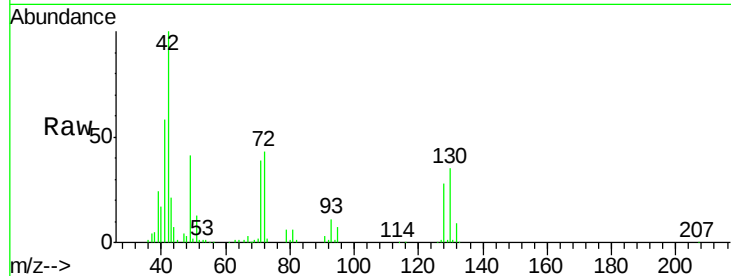
#29
Tetrahydrofuran
Concen: 262.752 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.7	50.5
71	39.7	31.4	47.2

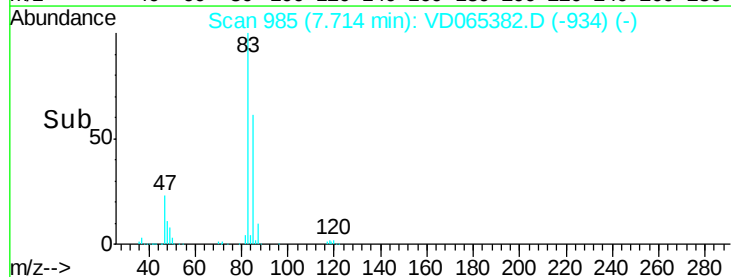
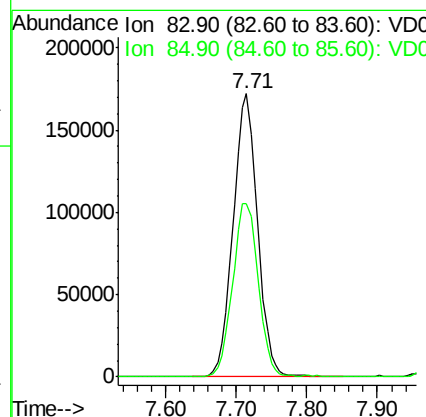
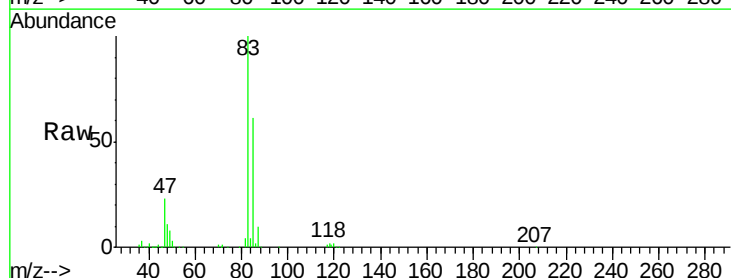
Manual Integrations
APPROVED

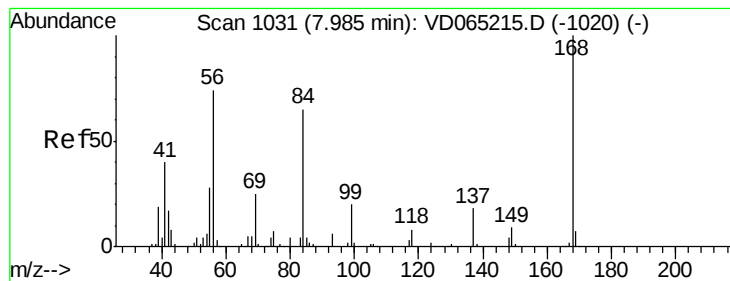
MMDadoda
3/3/2020 11:12:05 AM



#30
Chloroform
Concen: 51.003 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.1	52.3	78.5





#31

Cyclohexane

Concen: 46.452 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 367827

Ion Ratio Lower Upper

56 100

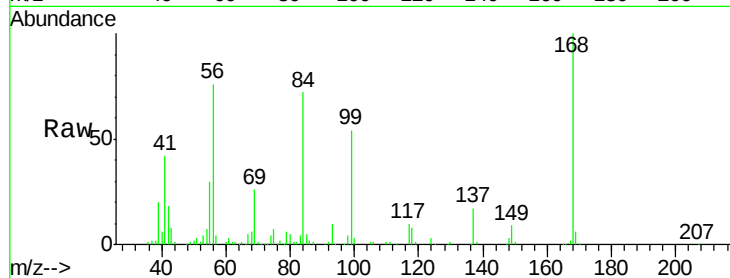
69 33.9 27.4 41.0

84 94.2 71.1 106.7

Manual Integrations
APPROVED

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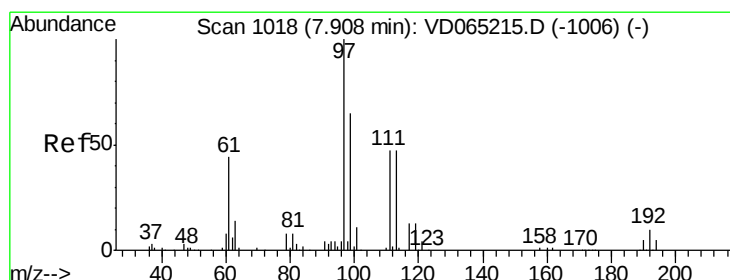
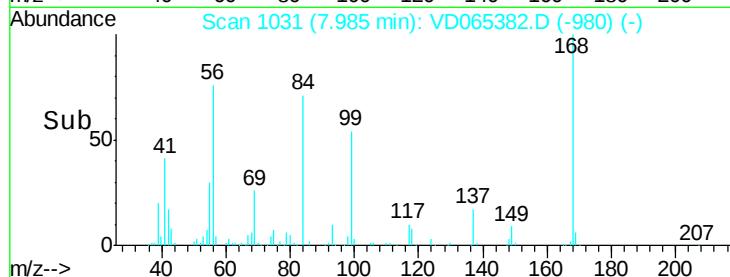
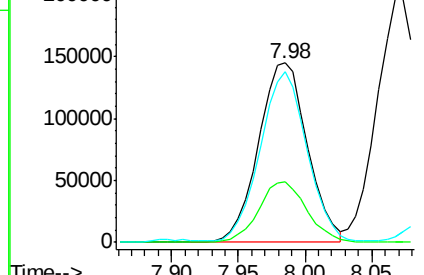
3/3/2020 11:12:05 AM



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 50.305 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

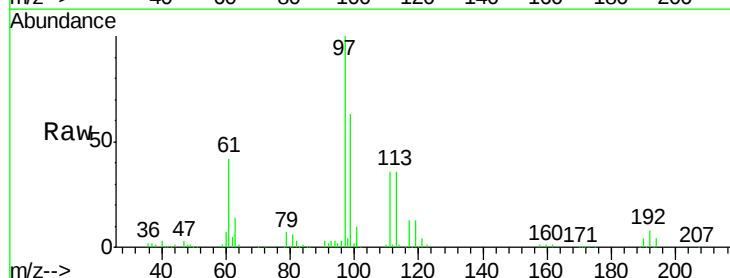
Tgt Ion: 97 Resp: 365445

Ion Ratio Lower Upper

97 100

99 64.3 51.4 77.2

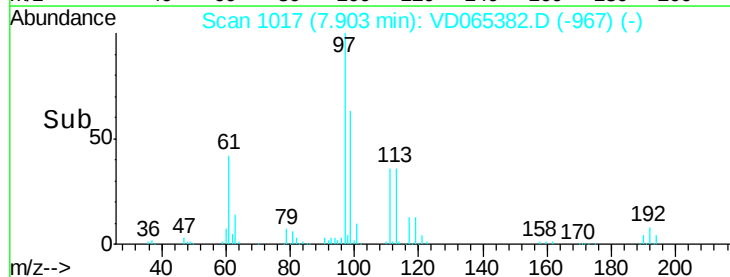
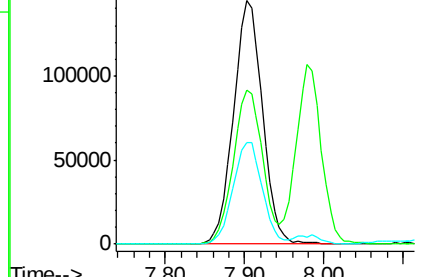
61 42.3 34.8 52.2

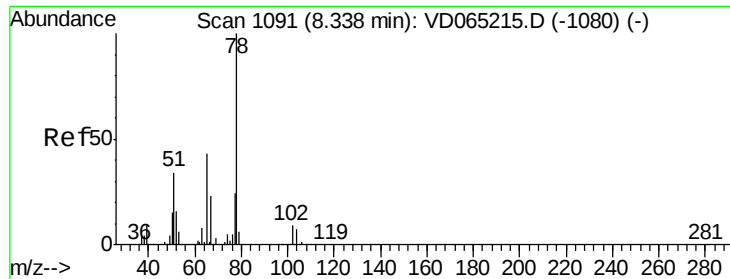


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 98.90 (98.60 to 99.60): VDC

Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 48.314 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 65 Resp: 194571

Ion Ratio Lower Upper

65 100

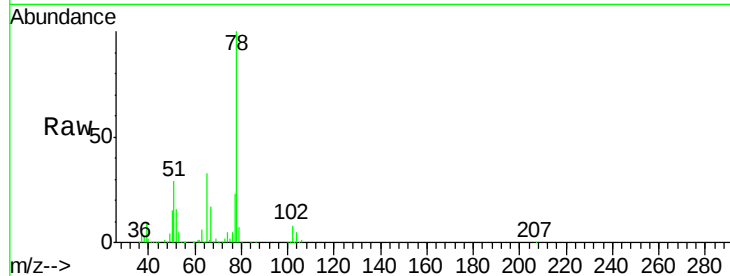
67 53.7 0.0 106.8

Manual Integrations

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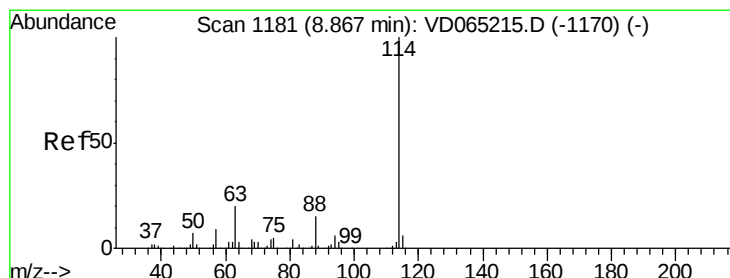
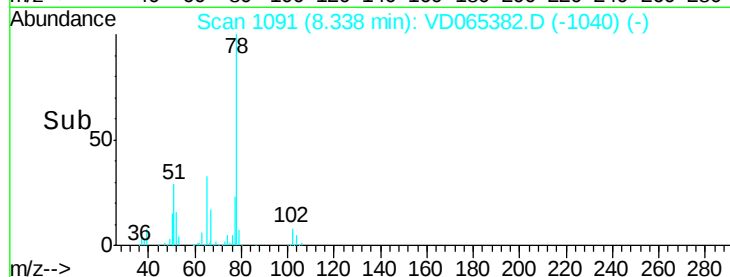
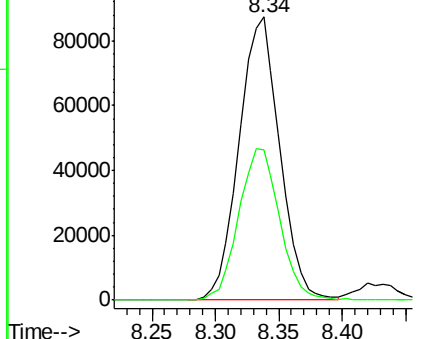
MMDadoda

3/3/2020 11:12:05 AM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

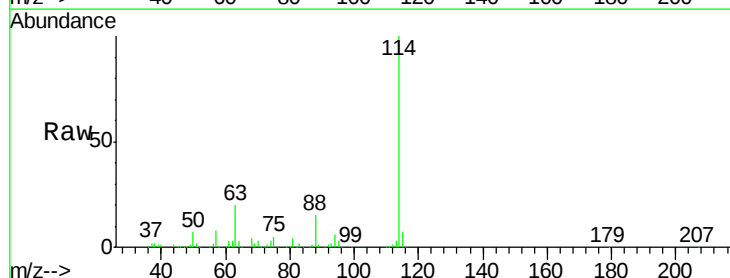
Tgt Ion: 114 Resp: 655661

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

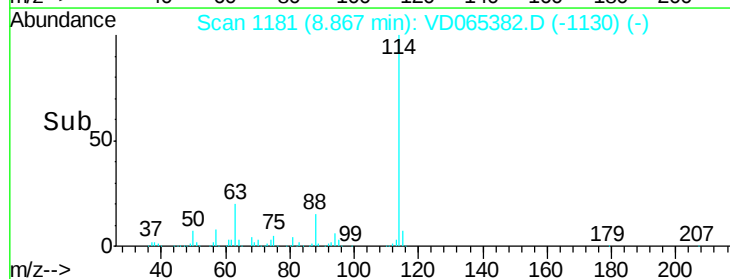
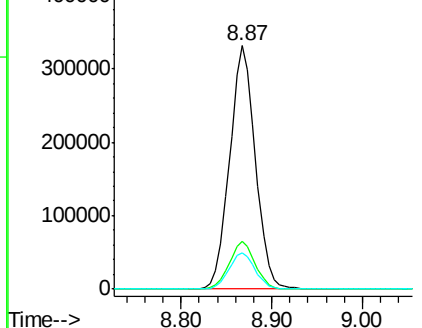
88 15.0 0.0 30.4

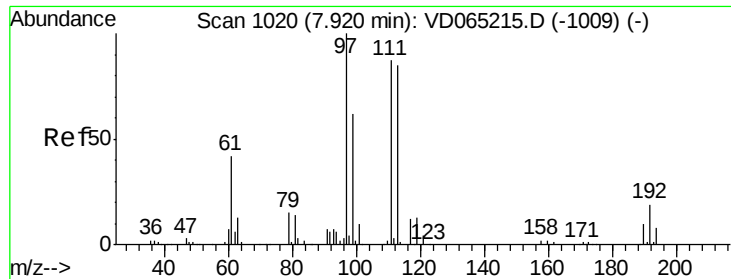


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





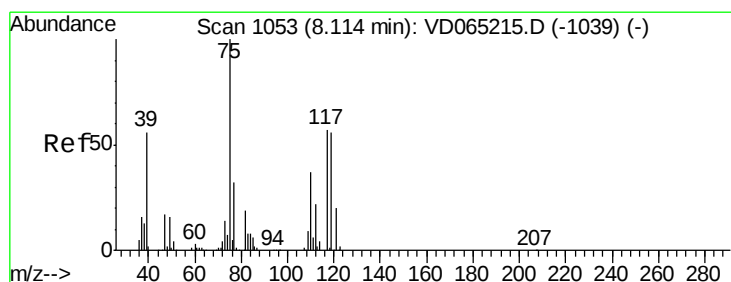
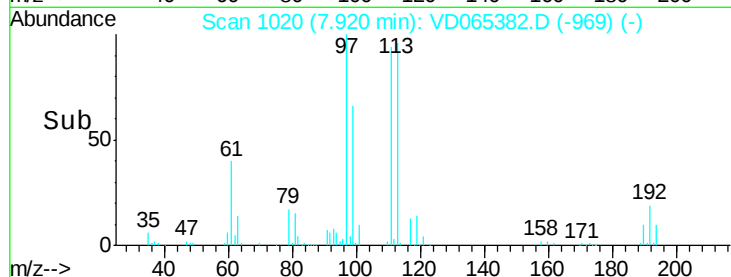
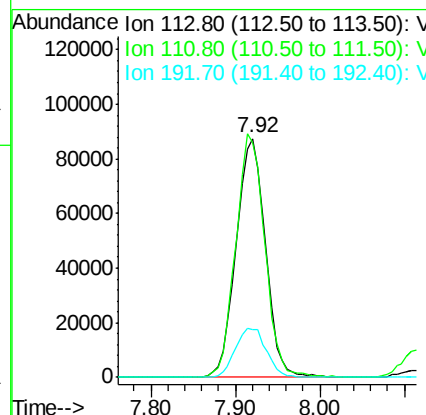
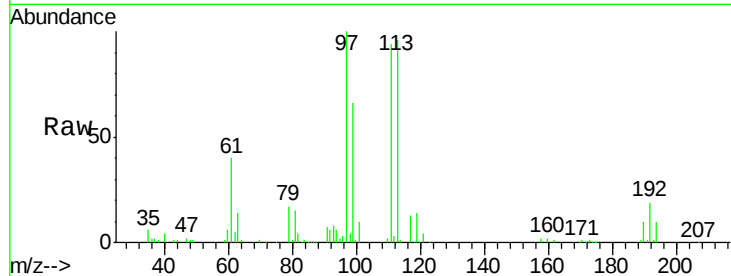
#35
Dibromofluoromethane
Concen: 52.374 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209383		
111	101.0	82.9	124.3	
192	21.7	17.3	25.9	

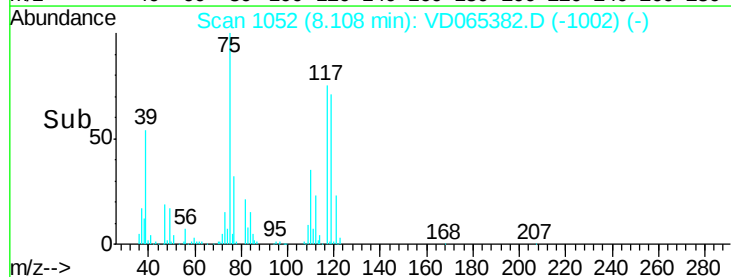
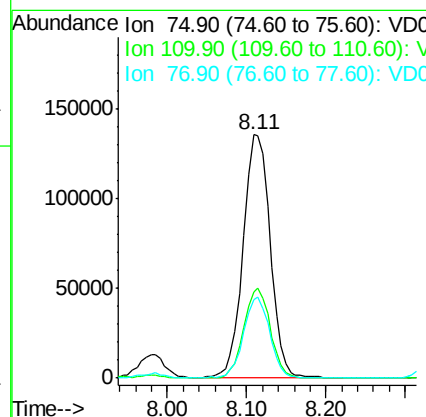
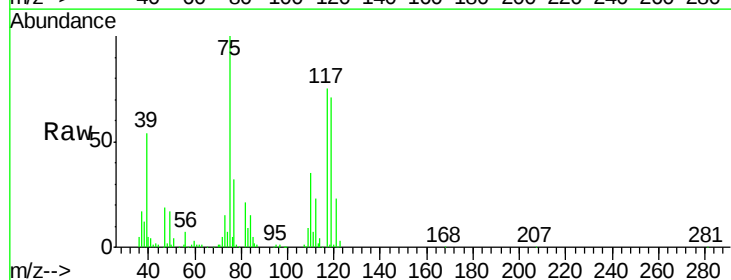
Manual Integrations
APPROVED

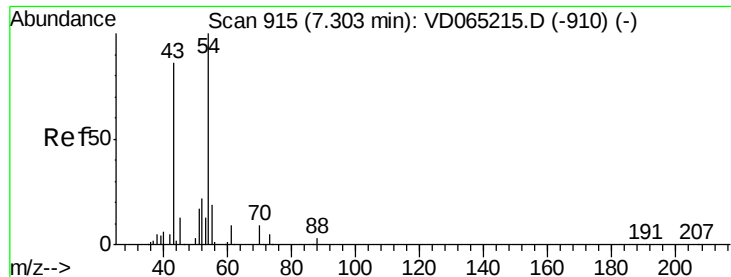
MMDadoda
3/3/2020 11:12:05 AM



#36
1,1-Dichloropropene
Concen: 50.450 ug/l
RT: 8.11 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	321855		
110	36.1	17.9	53.7	
77	32.4	25.1	37.7	





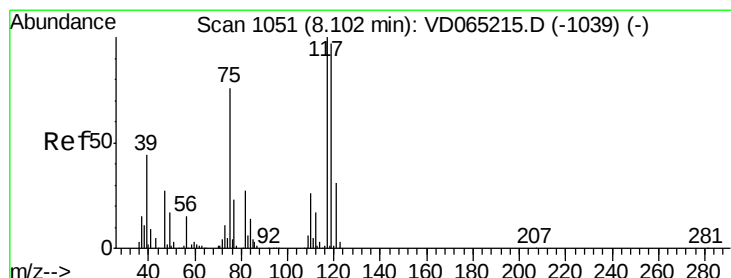
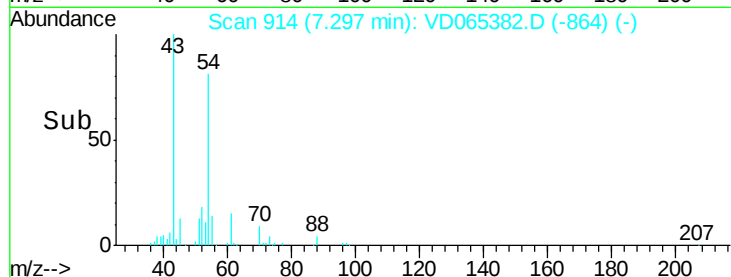
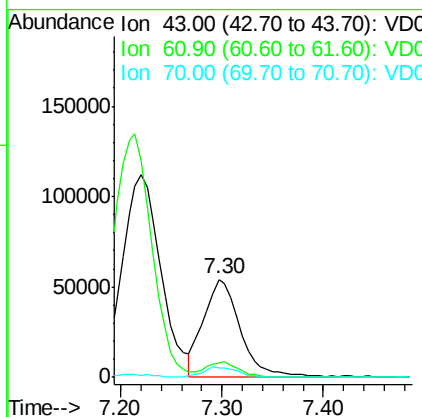
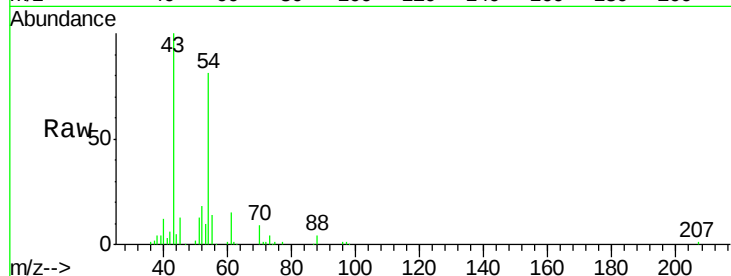
#37
Ethyl Acetate
Concen: 50.115 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.4	11.2	16.8
70	10.2	8.2	12.2

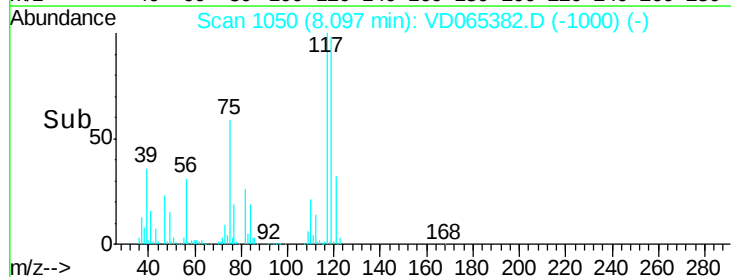
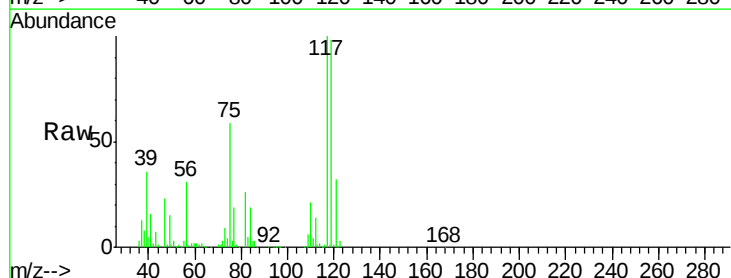
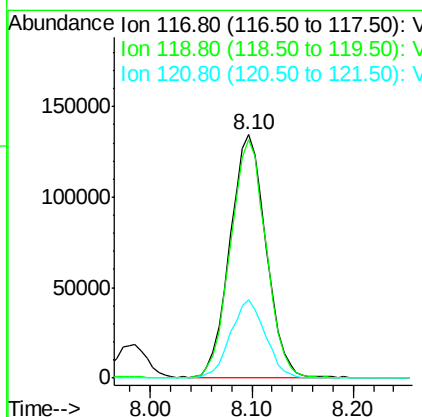
Manual Integrations
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#38
Carbon Tetrachloride
Concen: 50.713 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.9	77.6	116.4
121	32.6	24.8	37.2





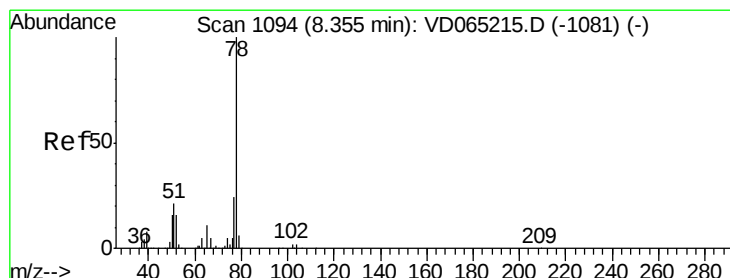
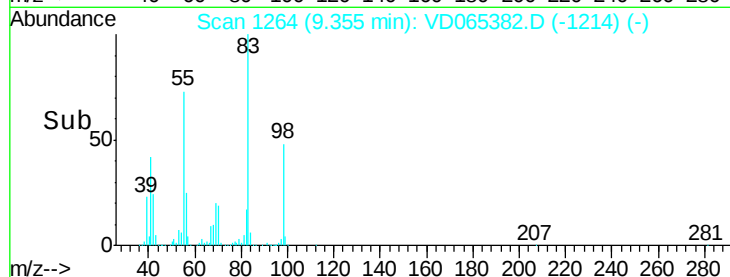
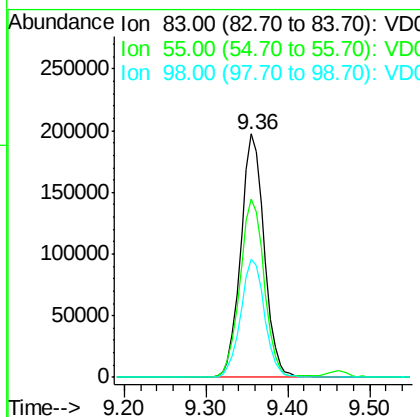
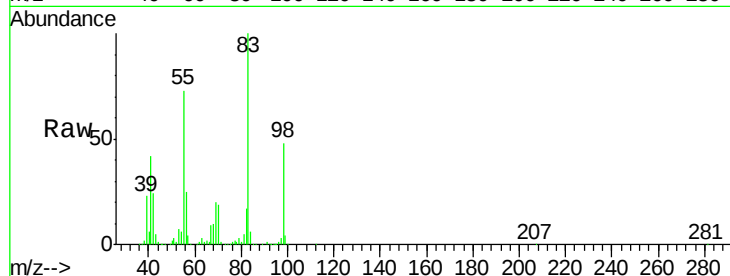
#39
Methvlcvclohexane
Concen: 52.714 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	61.8	92.6
98	48.4	39.4	59.0

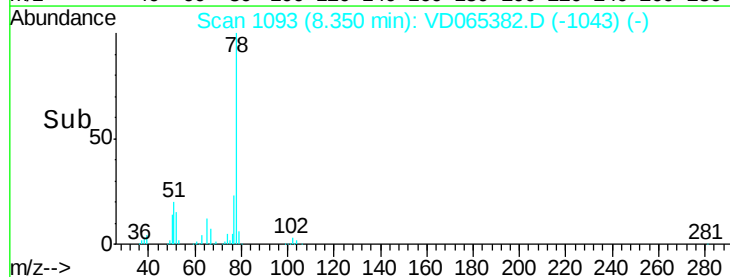
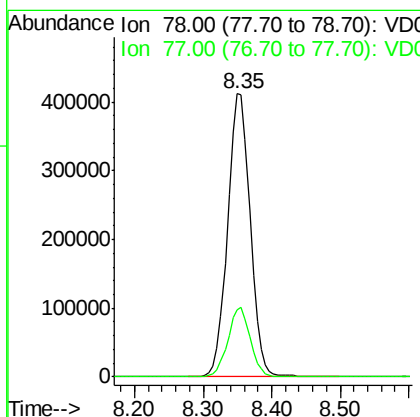
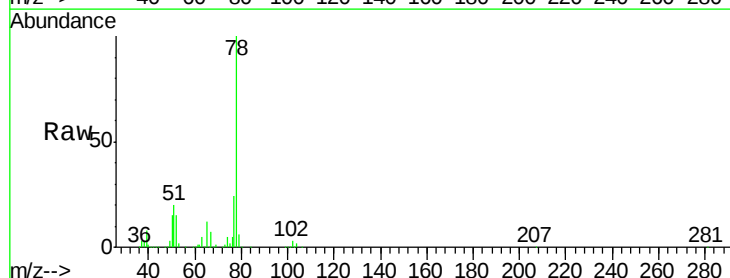
Manual Integrations
APPROVED

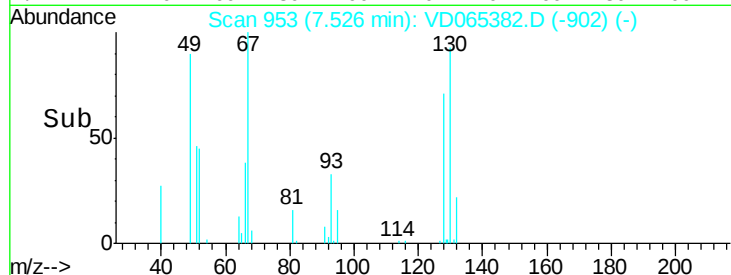
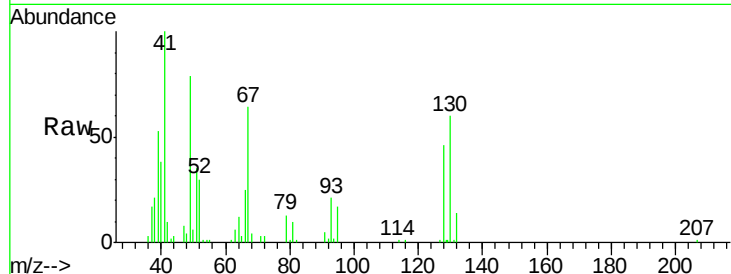
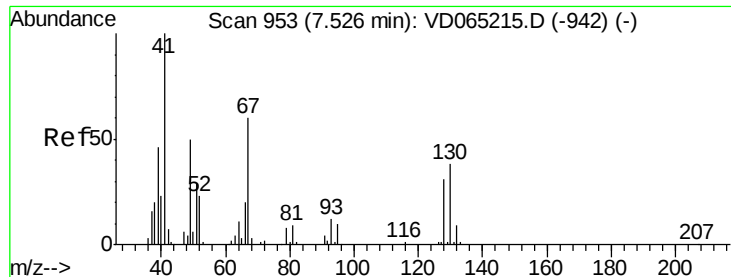
MMDadoda
3/3/2020 11:12:05 AM



#40
Benzene
Concen: 52.433 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

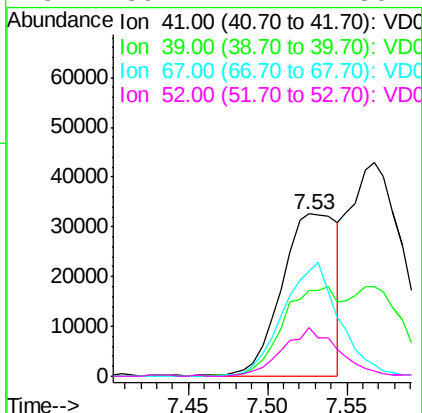
Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.6





#41
Methacrylonitrile
Concen: 51.570 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

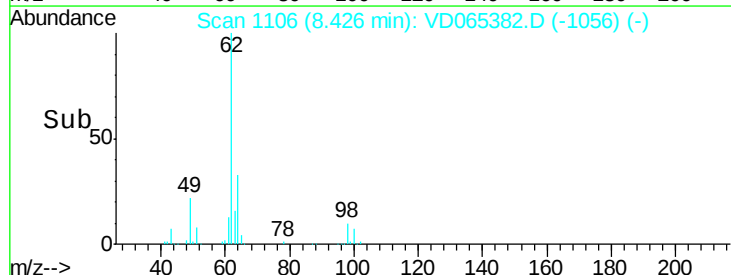
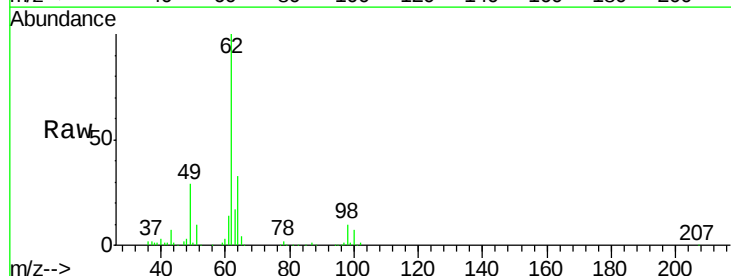
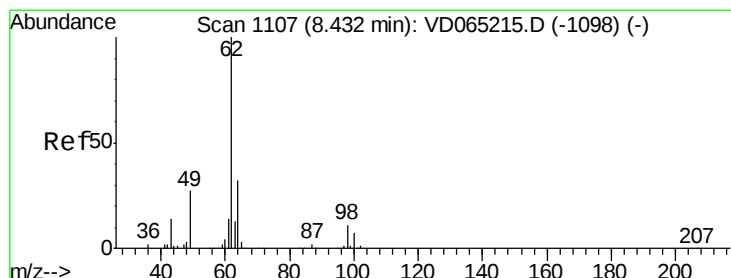
Tot Ion	41	Resp	79413
Ion	Ratio	Lower	Upper
41	100		
39	53.1	48.1	72.1
67	71.1	58.9	88.3
52	30.2	24.2	36.2



Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

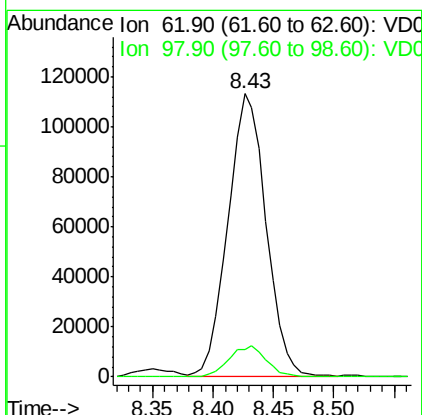
Manual Integrations
APPROVED

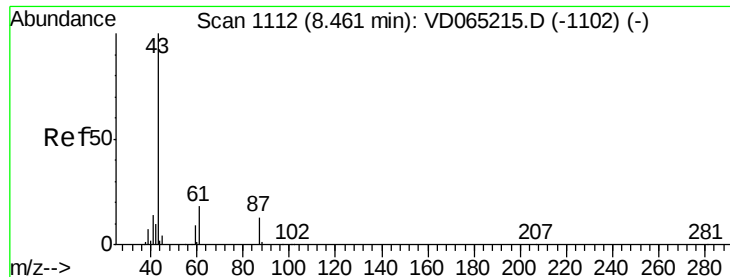
MMDadoda
3/3/2020 11:12:05 AM



#42
1,2-Dichloroethane
Concen: 50.046 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	62	Resp	247747
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	20.6





#43

Isopropyl Acetate

Concen: 51.741 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

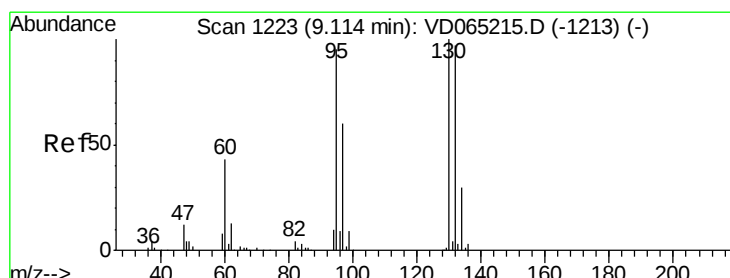
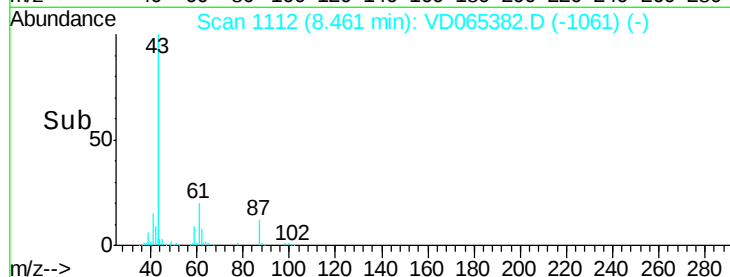
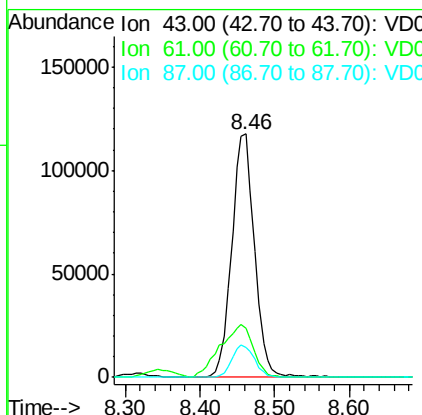
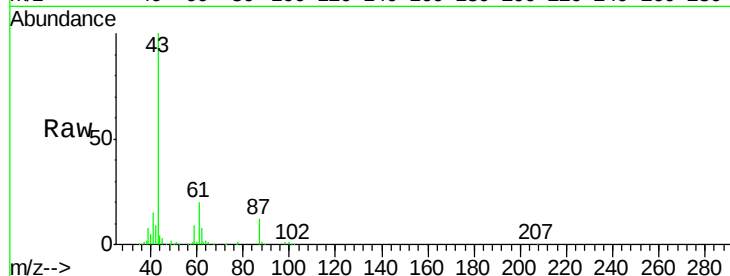
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	250935
Ion	Ratio	Lower	Upper
43	100		
61	30.4	24.6	36.8
87	13.2	10.6	16.0

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#44

Trichloroethene

Concen: 52.205 ug/l

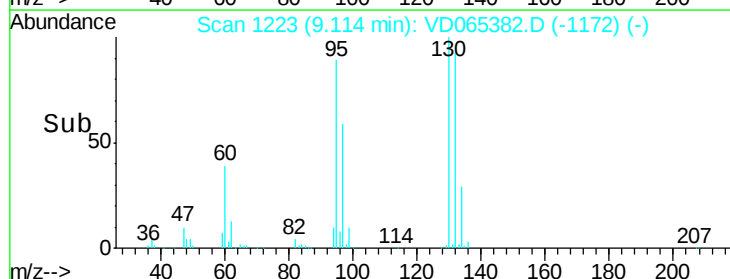
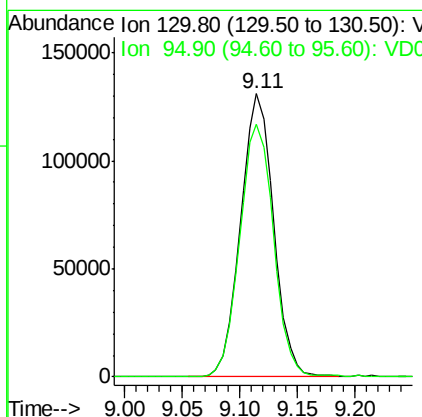
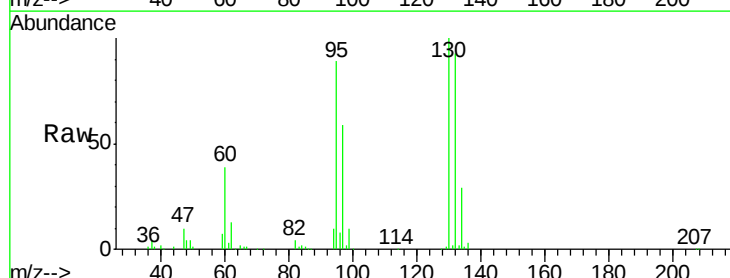
RT: 9.11 min Scan# 1223

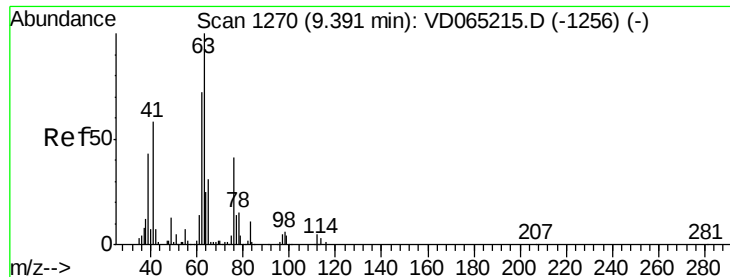
Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tgt Ion:	130	Resp:	260583
Ion	Ratio	Lower	Upper
130	100		
95	89.3	0.0	190.6





#45

1,2-Dichloropropane

Concen: 52.700 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 63 Resp: 235970

Ion Ratio Lower Upper

63 100

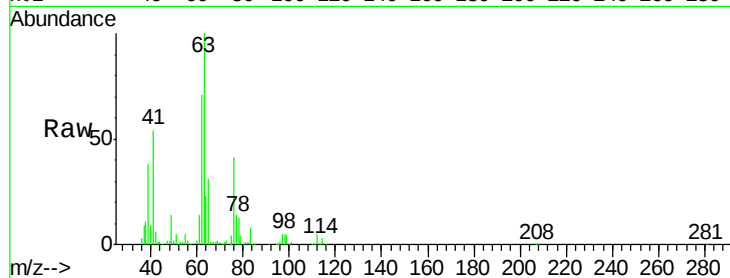
65 30.6 24.9 37.3

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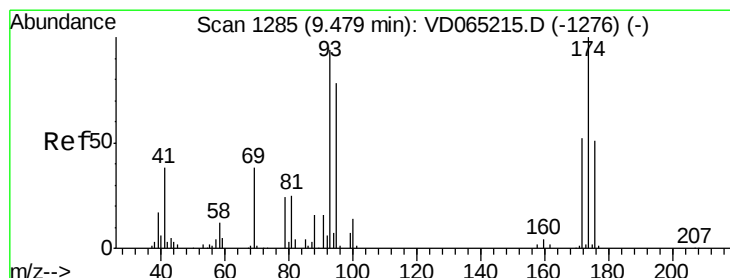
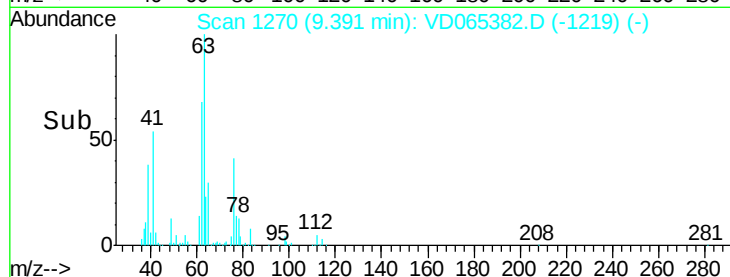
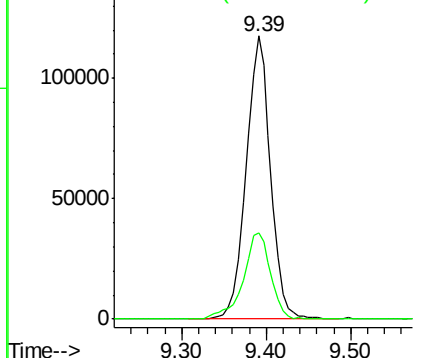
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 52.873 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

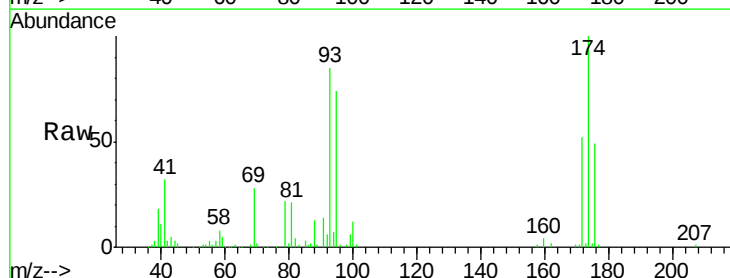
Tgt Ion: 93 Resp: 121809

Ion Ratio Lower Upper

93 100

95 83.9 65.8 98.6

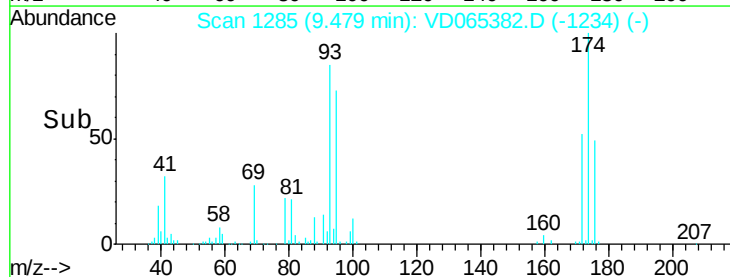
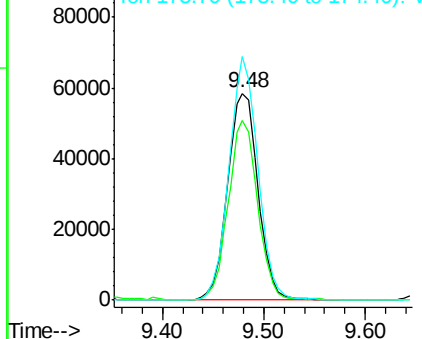
174 111.6 86.8 130.2

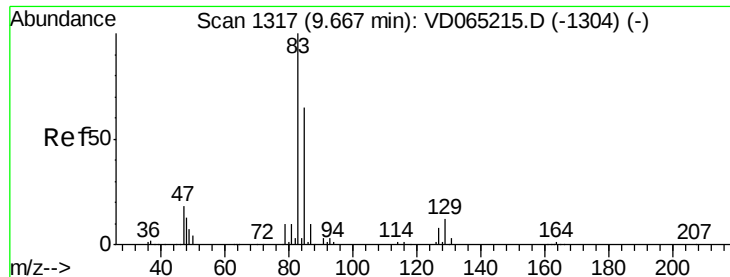


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.007 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

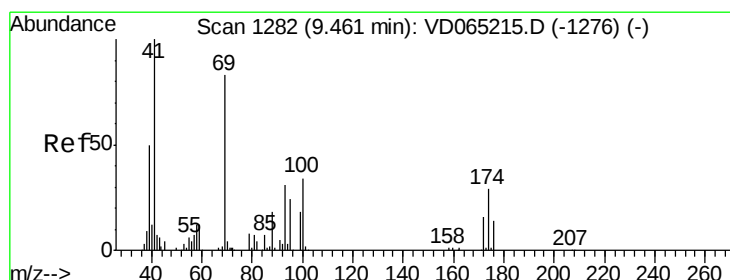
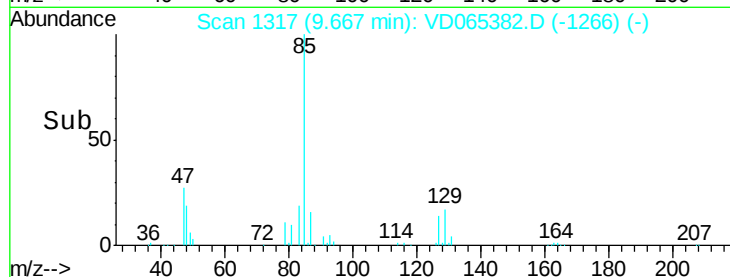
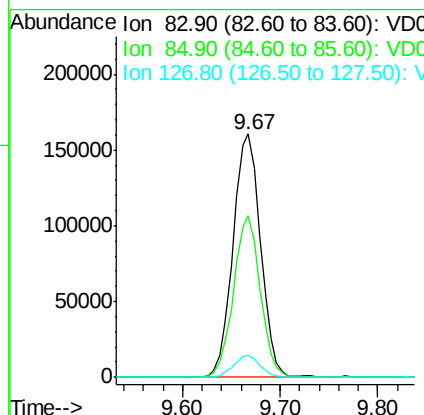
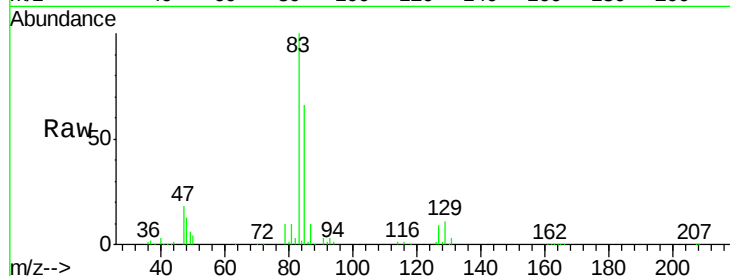
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	315755
Ion	Ratio	Lower	Upper
83	100		
85	66.2	52.0	78.0
127	9.2	6.7	10.1

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#48

Methyl methacrylate

Concen: 53.594 ug/l

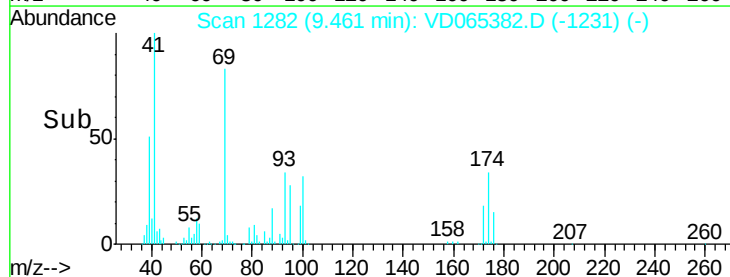
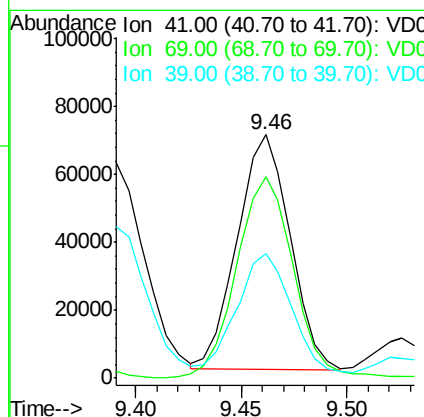
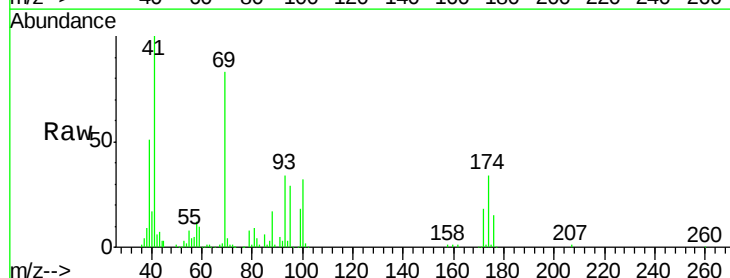
RT: 9.46 min Scan# 1282

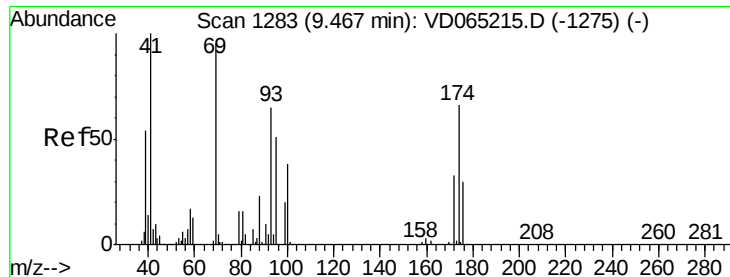
Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tgt Ion:	41	Resp:	120143
Ion	Ratio	Lower	Upper
41	100		
69	92.7	68.2	102.2
39	52.2	42.0	63.0





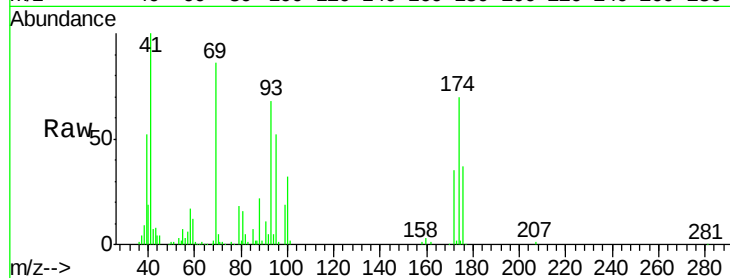
#49
1,4-Dioxane
Concen: 1048.359 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
88	100		
43	33.4	28.5	42.7
58	71.8	58.6	87.8

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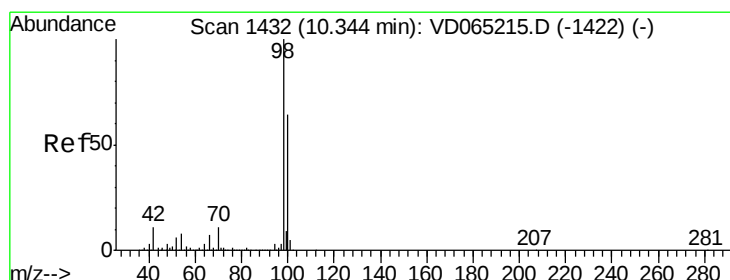
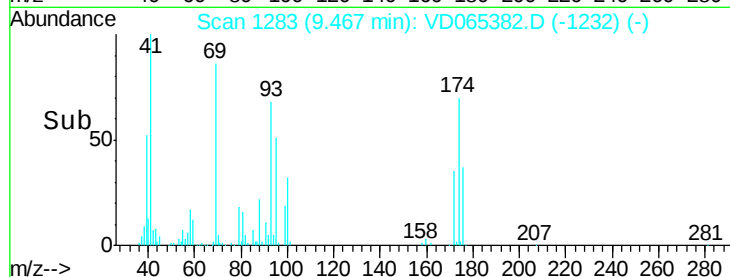
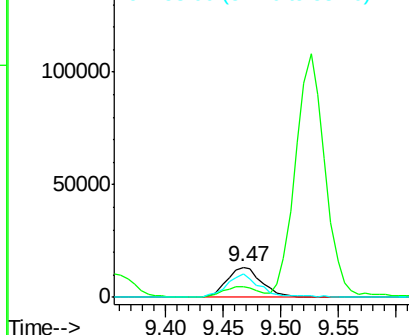


Abundance

Ion 88.00 (87.70 to 88.70): VDC

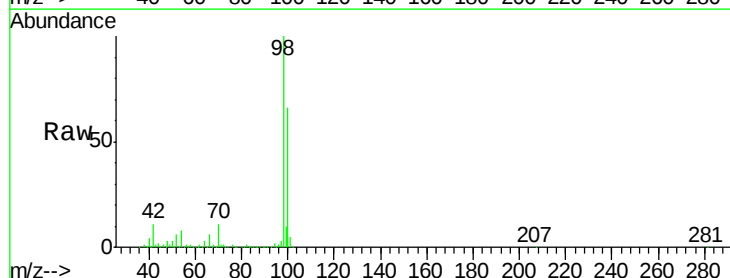
Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50
Toluene-d8
Concen: 51.941 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

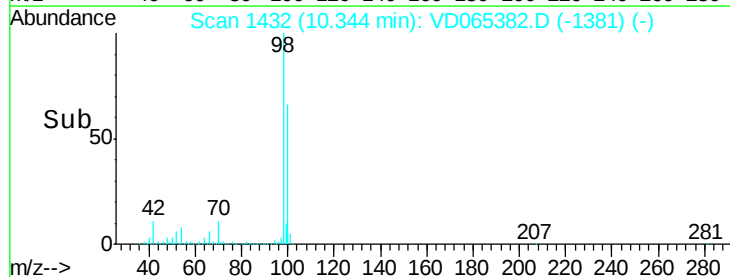
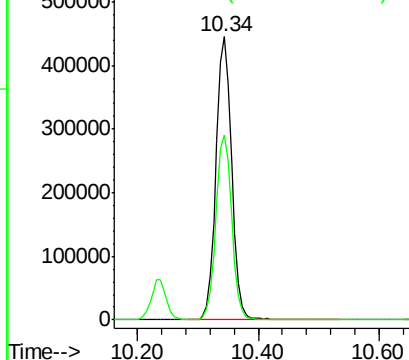
Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.0	78.0

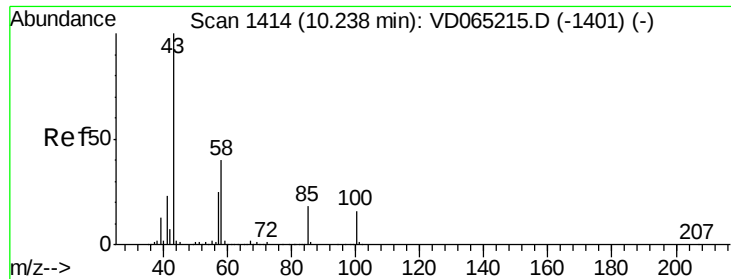


Abundance

Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 267.385 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 658645

Ion Ratio Lower Upper

43 100

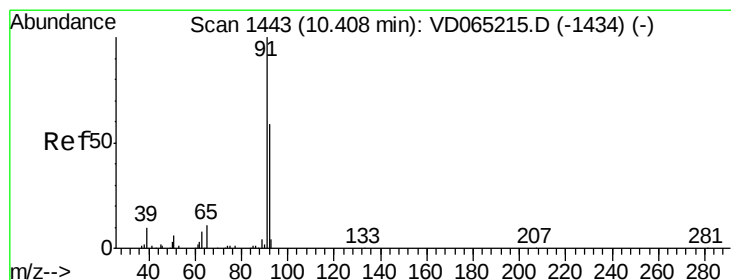
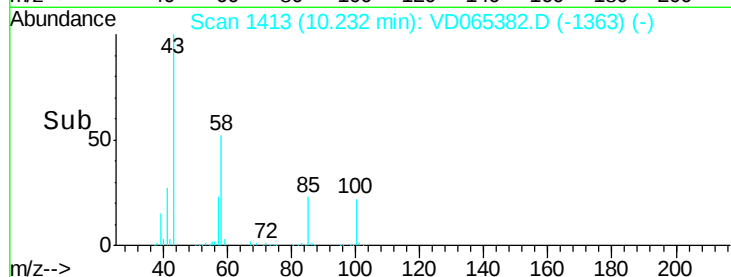
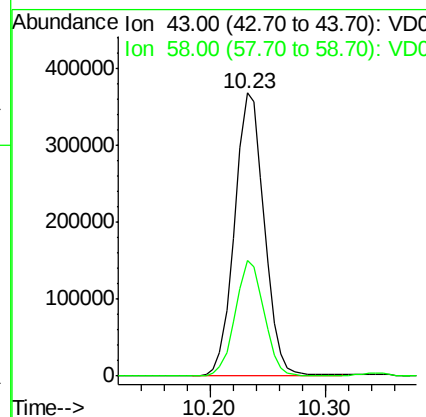
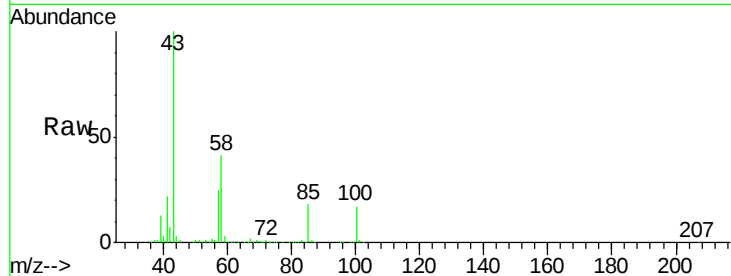
58 39.7 31.1 46.7

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#52

Toluene

Concen: 54.256 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065382.D

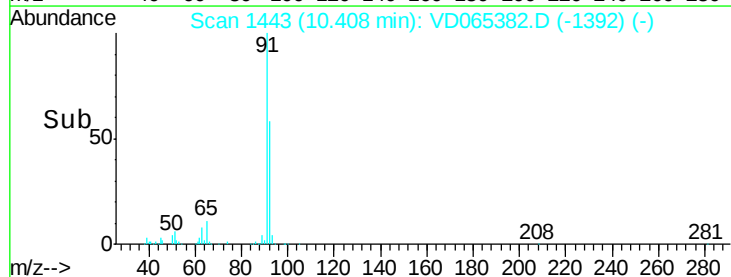
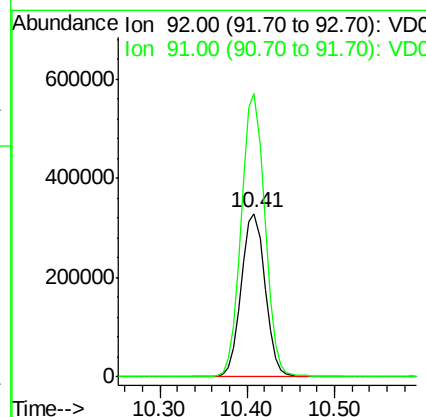
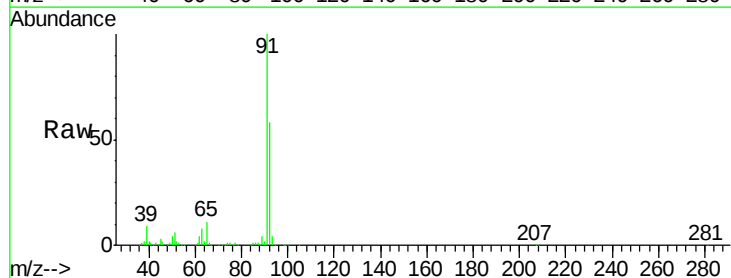
Acq: 02 Mar 2020 16:53

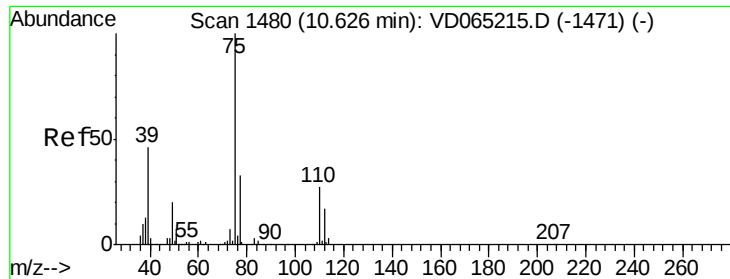
Tgt Ion: 92 Resp: 604736

Ion Ratio Lower Upper

92 100

91 171.8 136.3 204.5





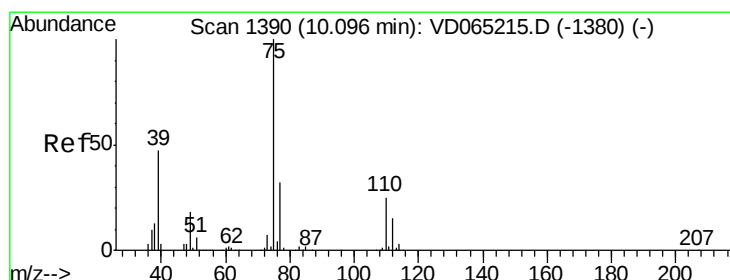
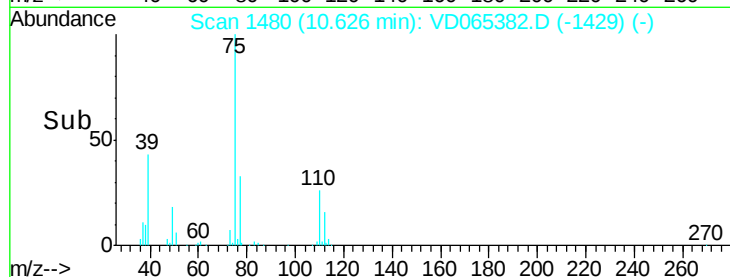
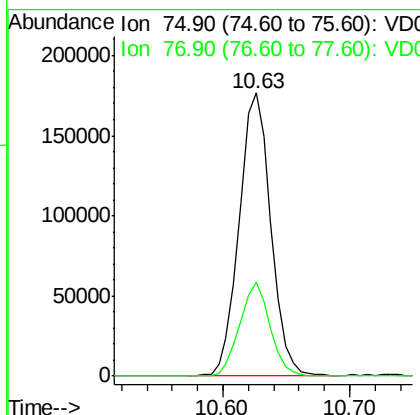
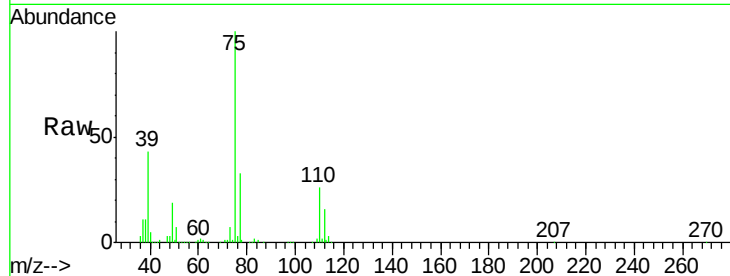
#53
t-1,3-Dichloropropene
Concen: 54.372 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	26.6	40.0

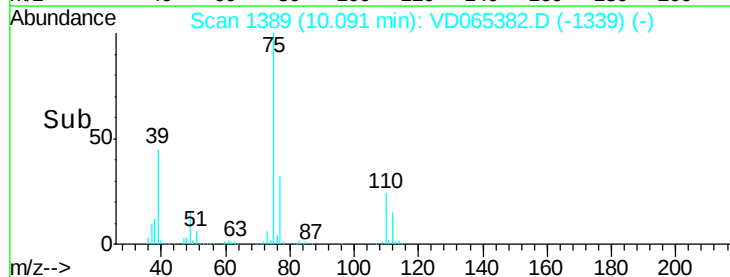
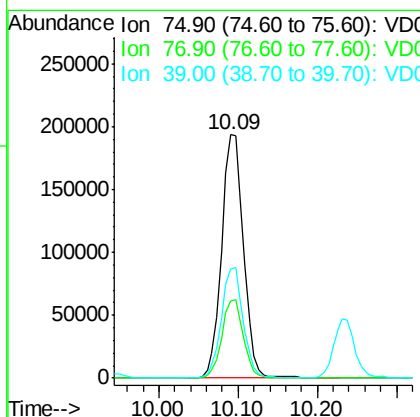
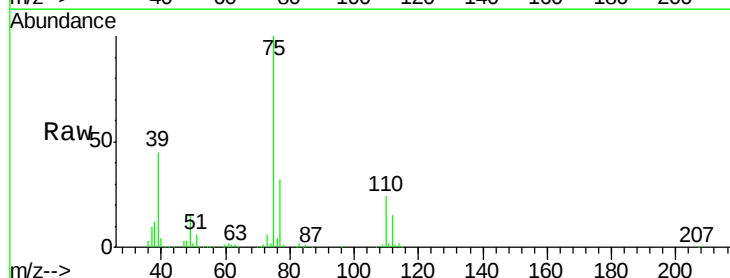
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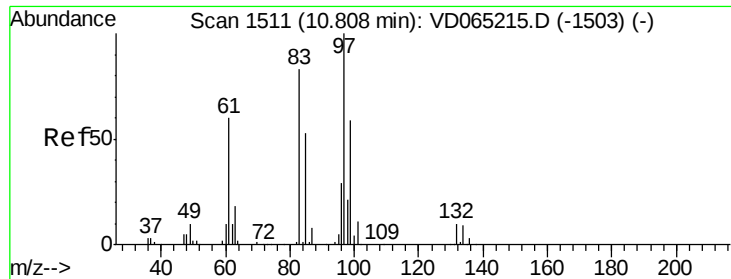
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#54
cis-1,3-Dichloropropene
Concen: 54.327 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.8
39	44.6	37.3	55.9





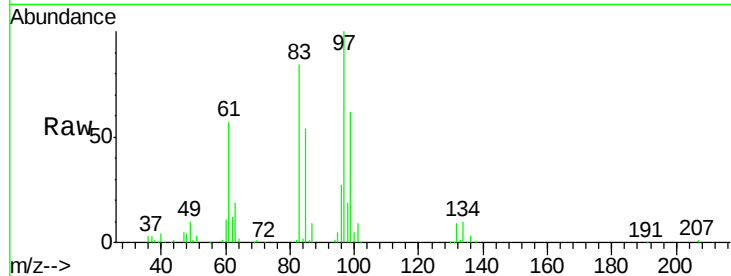
#55
 1,1,2-Trichloroethane
 Concen: 53.624 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

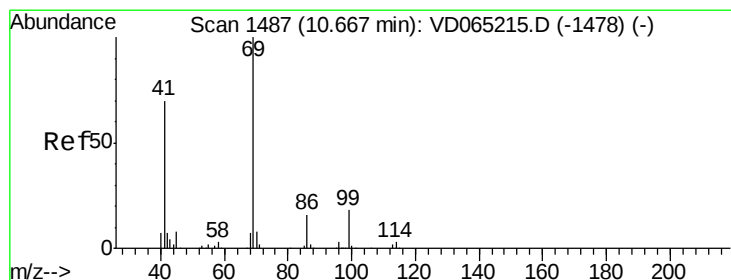
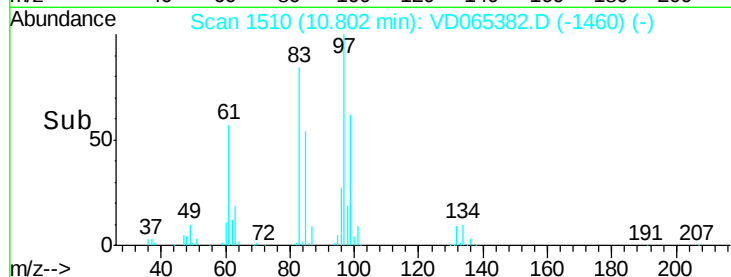
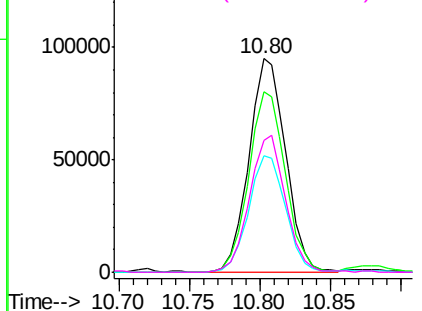
Tot Ion:	97	Resp:	173882
Ion	Ratio	Lower	Upper
97	100		
83	84.3	66.7	100.1
85	54.3	42.4	63.6
99	62.0	47.5	71.3

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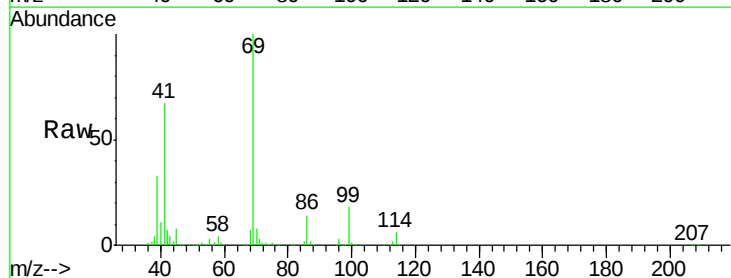


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

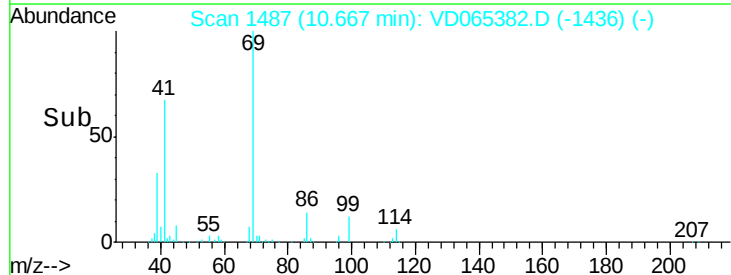
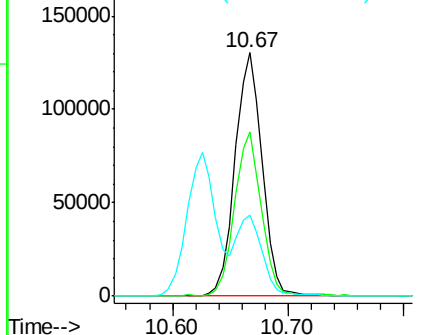


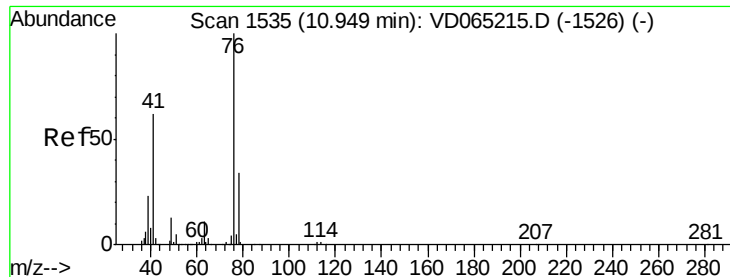
#56
 Ethyl methacrylate
 Concen: 56.623 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion:	69	Resp:	211923
Ion	Ratio	Lower	Upper
69	100		
41	67.7	54.6	81.8
39	31.2	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: 53.296 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 294134

Ion Ratio Lower Upper

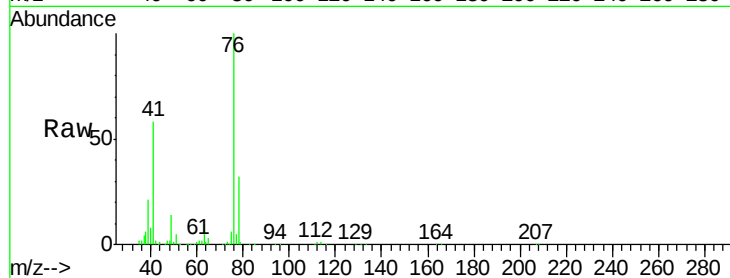
76 100

78 32.9 26.3 39.5

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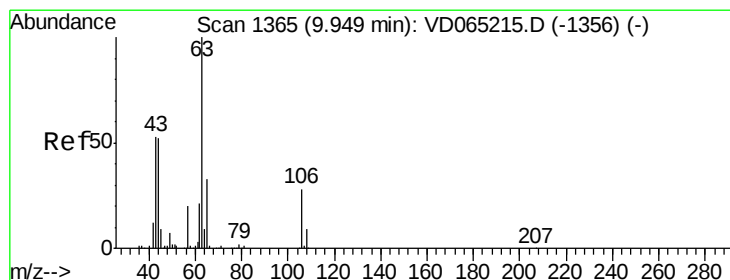
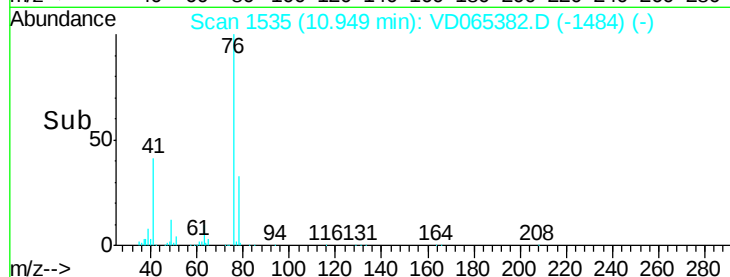
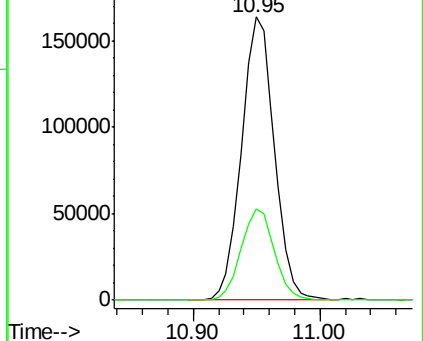
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 248.164 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD065382.D

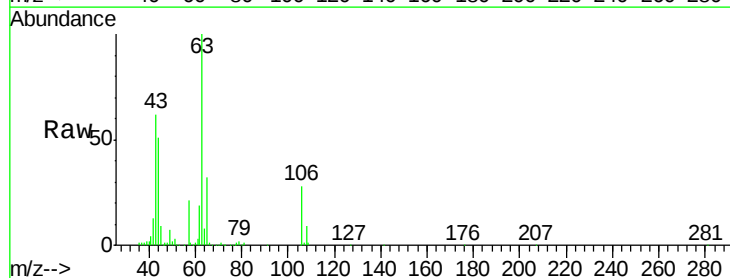
Acq: 02 Mar 2020 16:53

Tgt Ion: 63 Resp: 292826

Ion Ratio Lower Upper

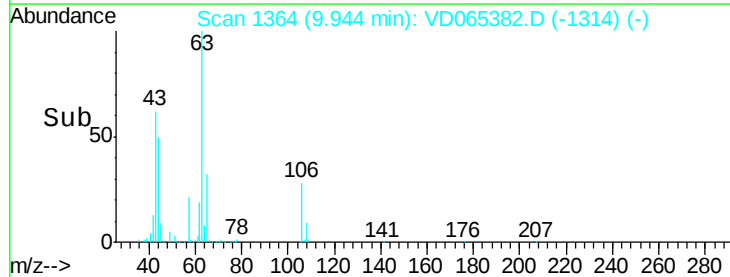
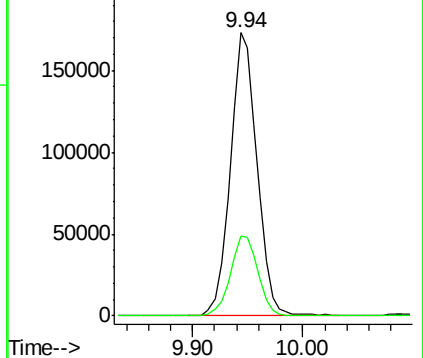
63 100

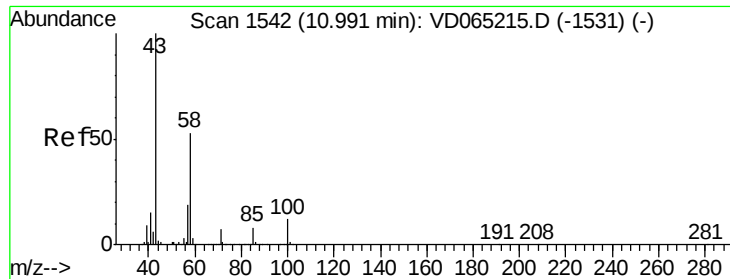
106 29.3 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V





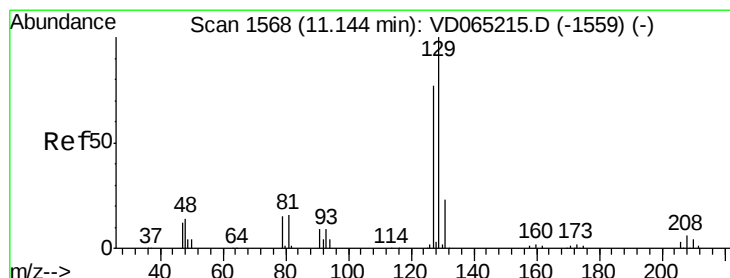
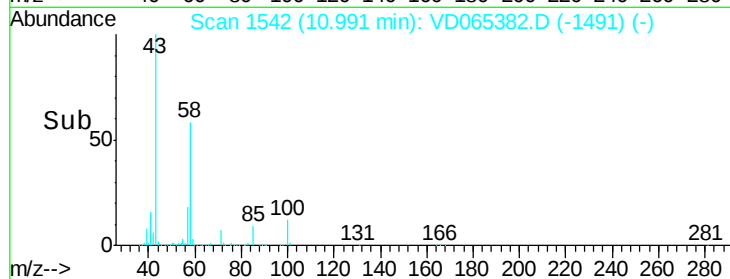
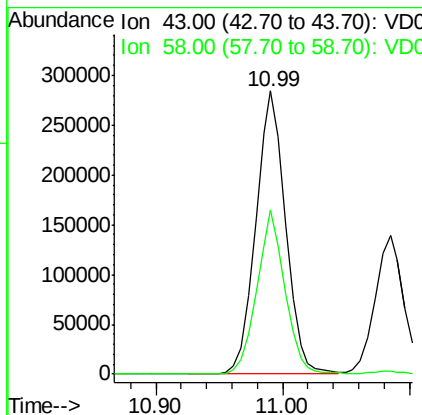
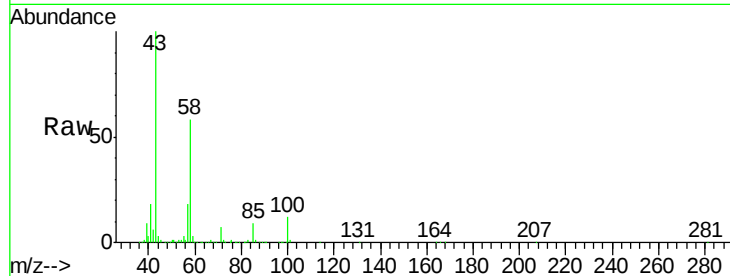
#59
2-Hexanone
Concen: 263.893 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.6	26.3	78.8

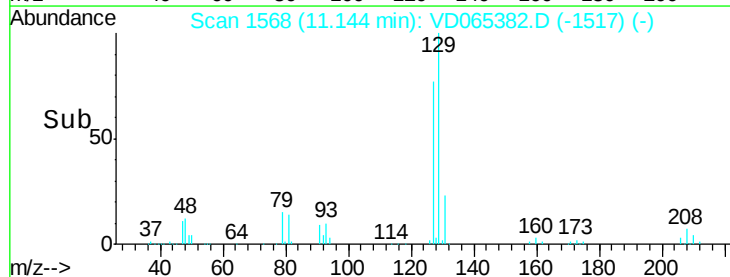
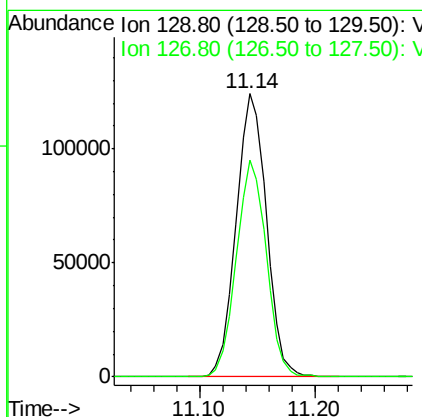
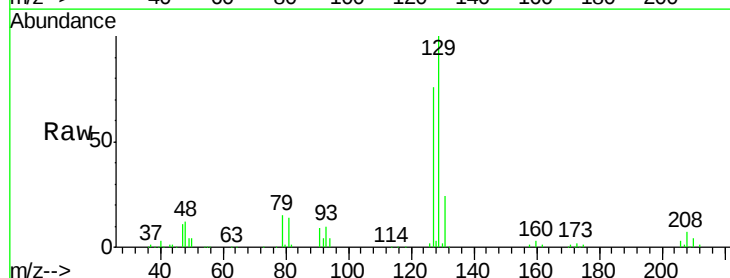
Manual Integrations
APPROVED

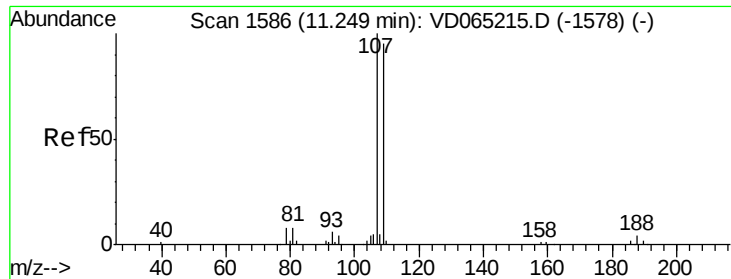
MMDadoda
3/3/2020 11:12:05 AM



#60
Dibromochloromethane
Concen: 54.530 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
129	100		
127	75.7	38.7	116.1





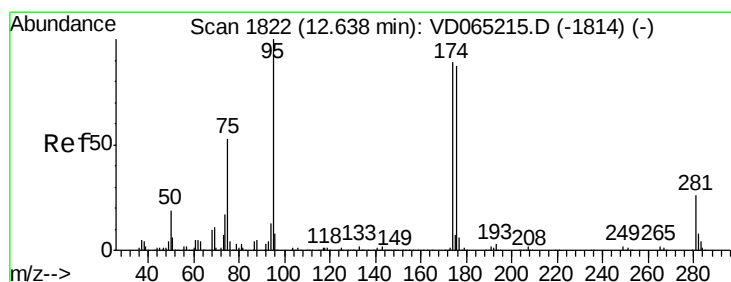
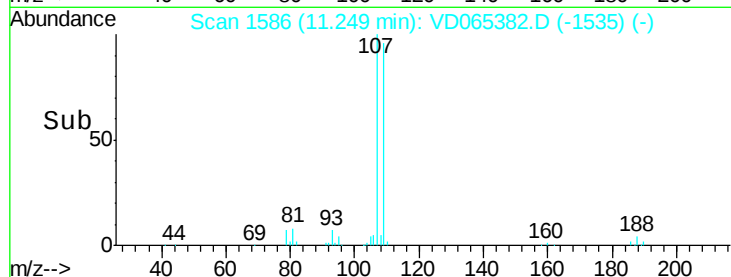
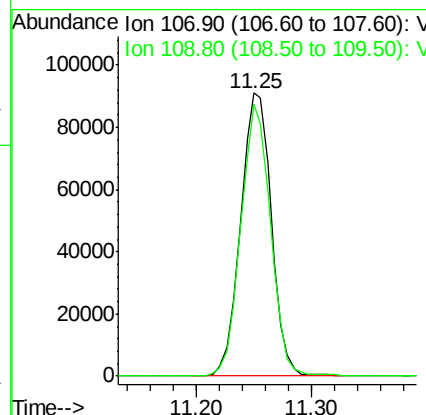
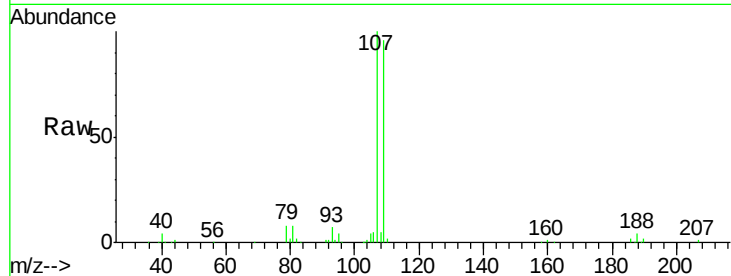
#61
 1,2-Dibromoethane
 Concen: 54.507 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.5	76.2	114.4

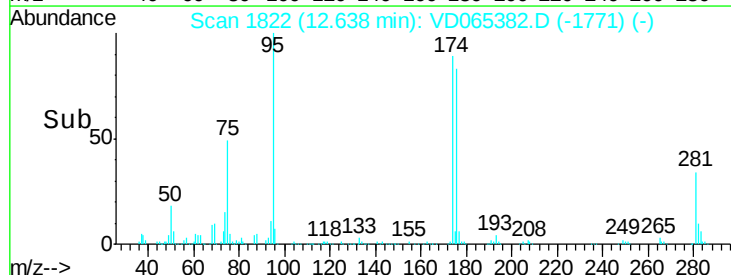
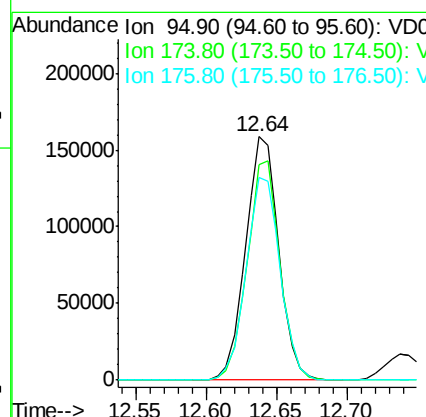
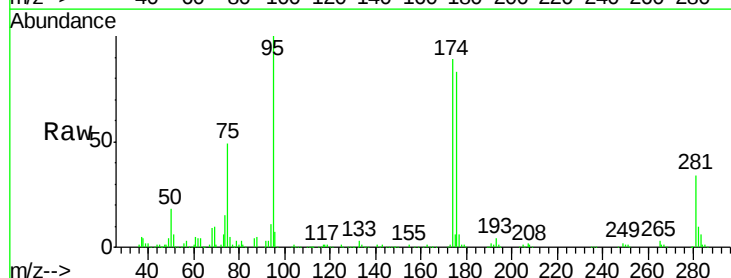
Manual Integrations
 APPROVED

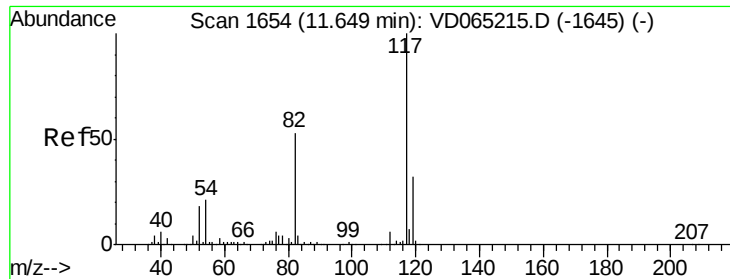
MMDadoda
 3/3/2020 11:12:05 AM



#62
 4-Bromofluorobenzene
 Concen: 53.746 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	89.3	0.0	178.0
176	85.8	0.0	174.4





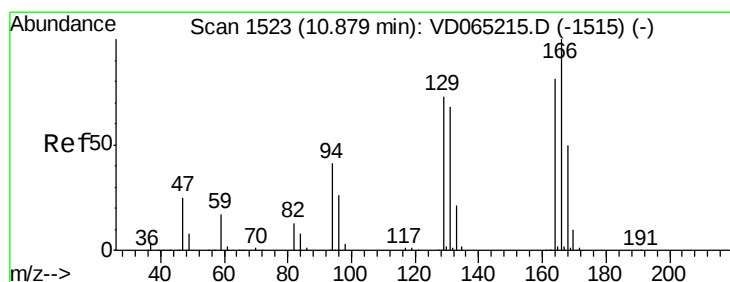
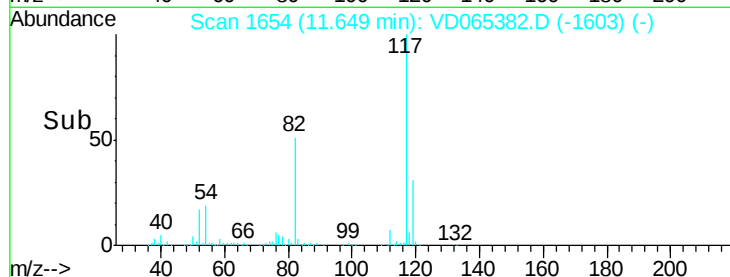
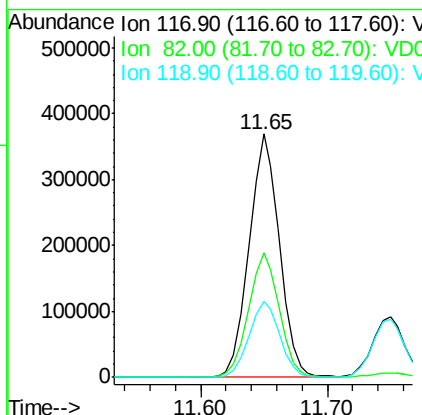
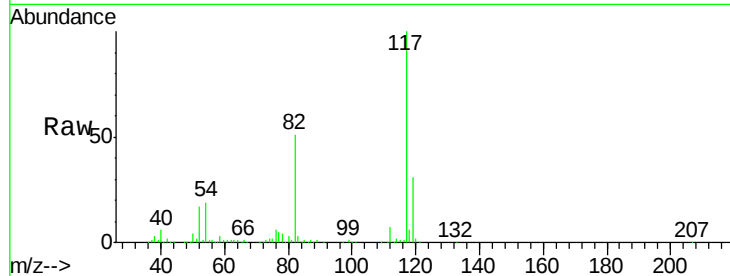
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	50.9	42.7	64.1
119	31.4	25.5	38.3

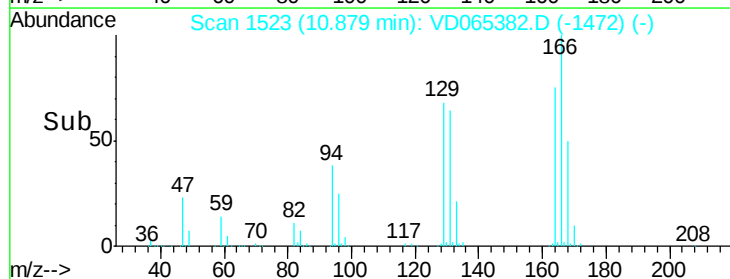
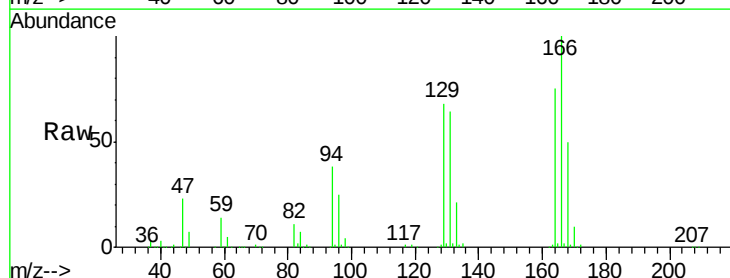
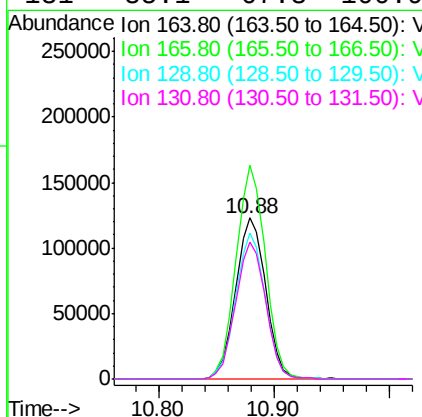
Manual Integrations
APPROVED

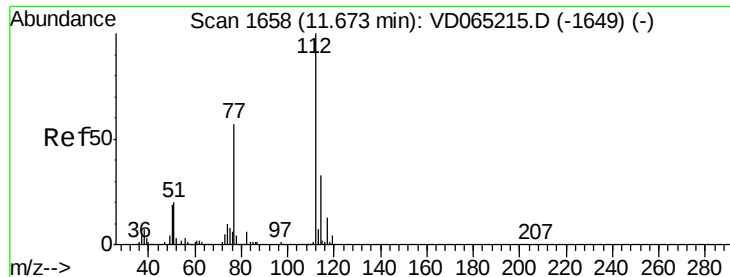
MMDadoda
3/3/2020 11:12:05 AM



#64
Tetrachloroethene
Concen: 50.960 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	132.6	98.4	147.6
129	90.3	71.6	107.4
131	85.1	67.3	100.9





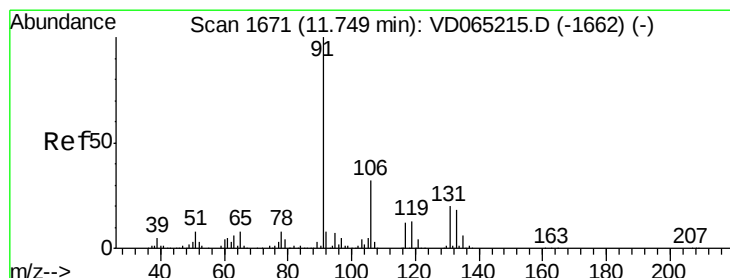
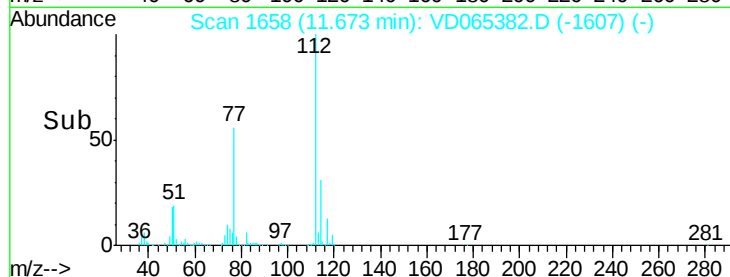
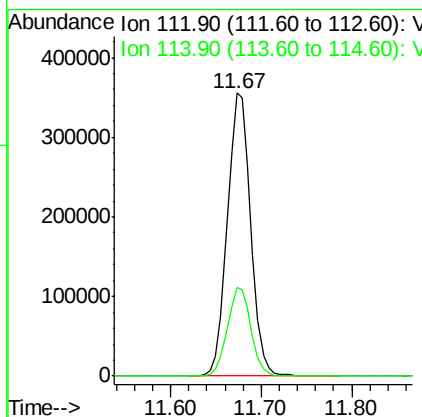
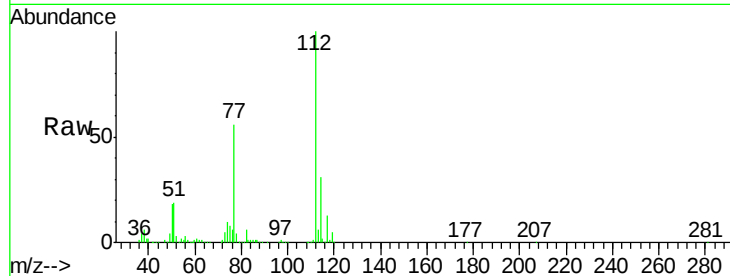
#65
Chlorobenzene
Concen: 51.409 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 634024
Ion Ratio Lower Upper
112 100
114 31.5 26.4 39.6

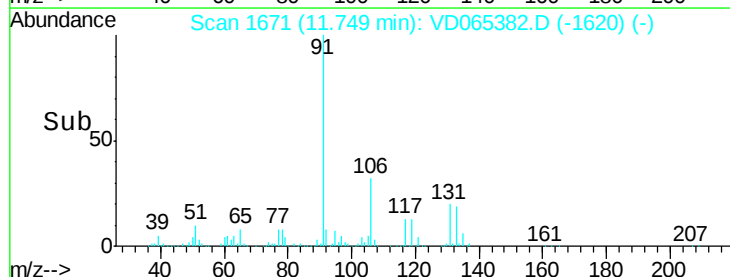
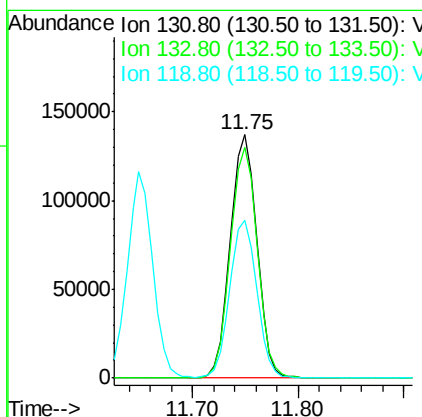
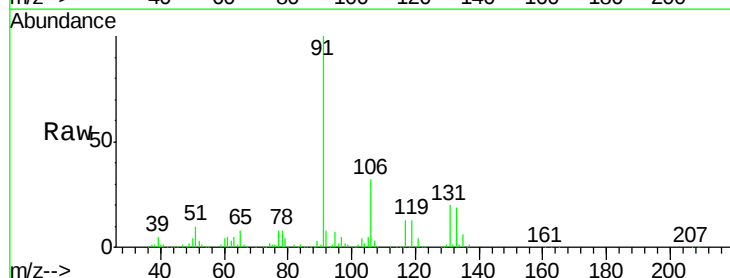
Manual Integrations
APPROVED

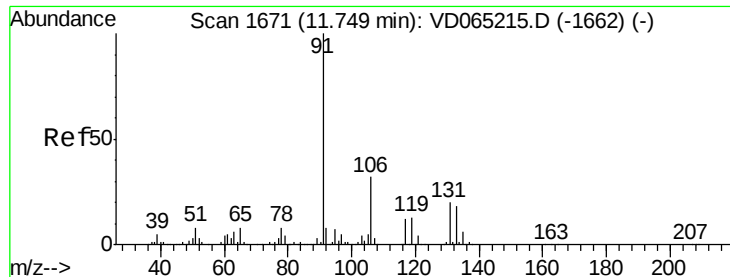
MMDadoda
3/3/2020 11:12:05 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.816 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion:131 Resp: 238473
Ion Ratio Lower Upper
131 100
133 96.2 47.7 143.1
119 66.2 32.7 98.1





#67

Ethyl Benzene

Concen: 52.081 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 1124930

Ion Ratio Lower Upper

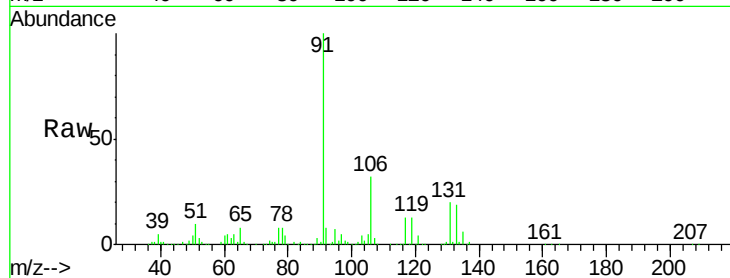
91 100

106 32.2 25.2 37.8

Manual Integrations
APPROVED

MMDadoda

3/3/2020 11:12:05 AM



Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1662) (-)

Ion 106.00 (105.70 to 106.70): VD065215.D (-1662) (-)

1000000

800000

600000

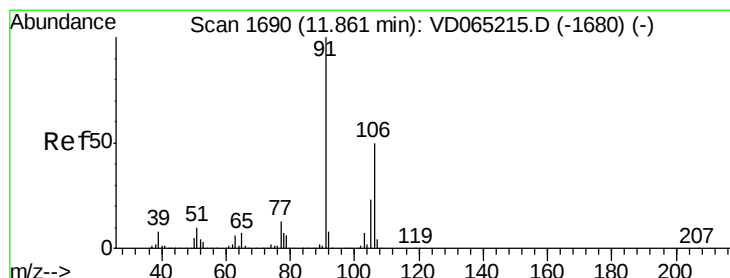
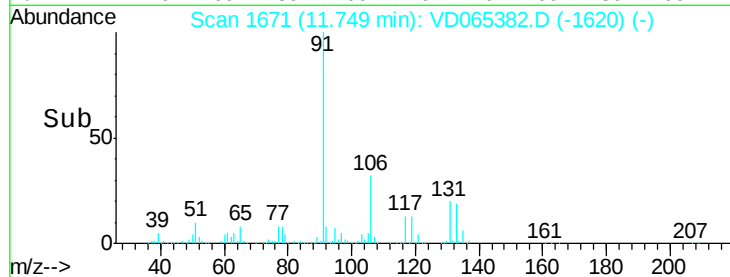
400000

200000

0

11.70 11.75 11.80

Time-->



#68

m/p-Xylenes

Concen: 106.243 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD065382.D

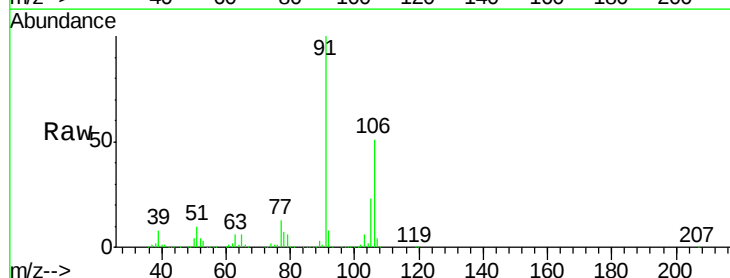
Acq: 02 Mar 2020 16:53

Tgt Ion: 106 Resp: 877974

Ion Ratio Lower Upper

106 100

91 196.3 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): VD065215.D (-1680) (-)

Ion 91.00 (90.70 to 91.70): VD065215.D (-1680) (-)

1000000

800000

600000

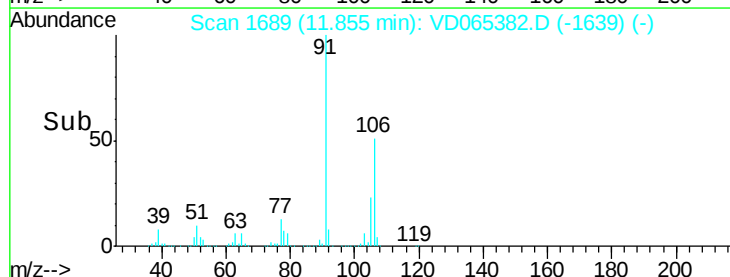
400000

200000

0

11.80 11.86 11.90 12.00

Time-->





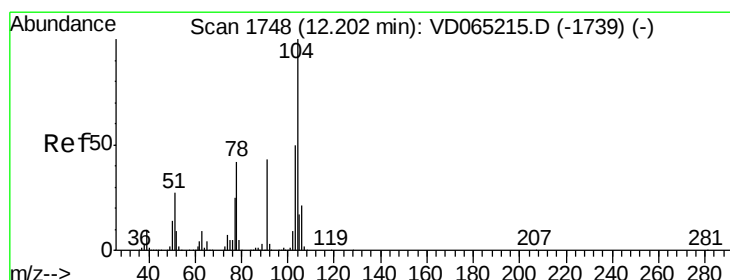
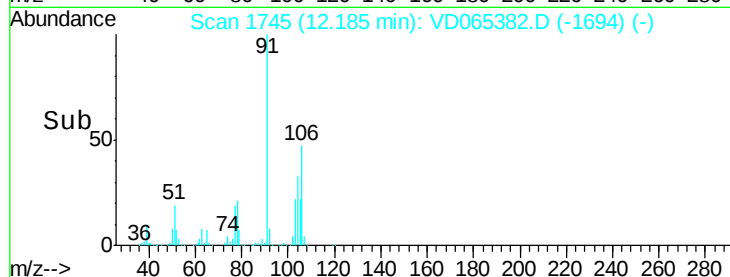
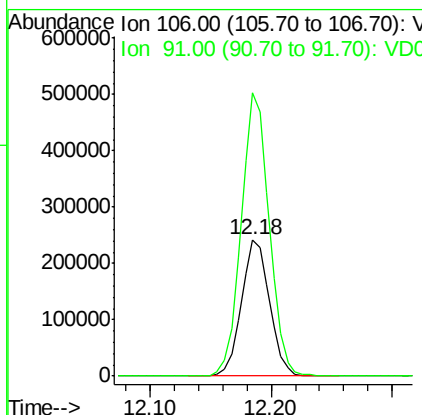
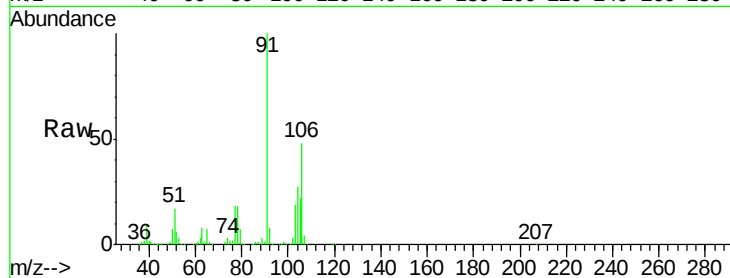
#69
o-Xylene
Concen: 53.890 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	206.1	104.7	313.9	

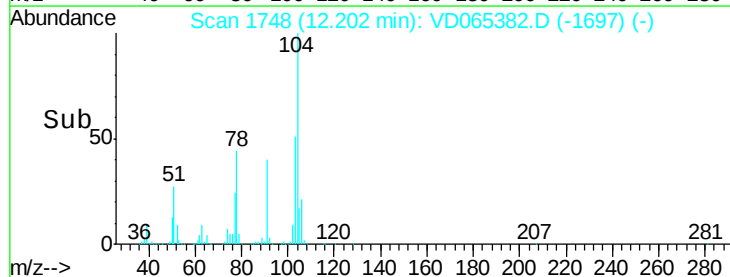
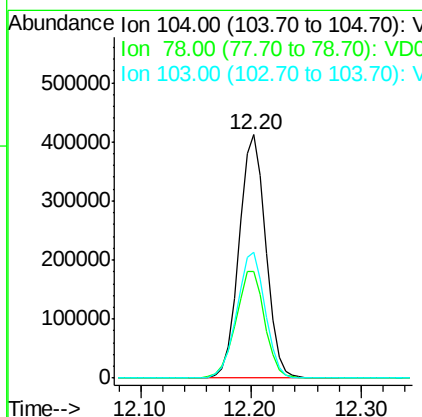
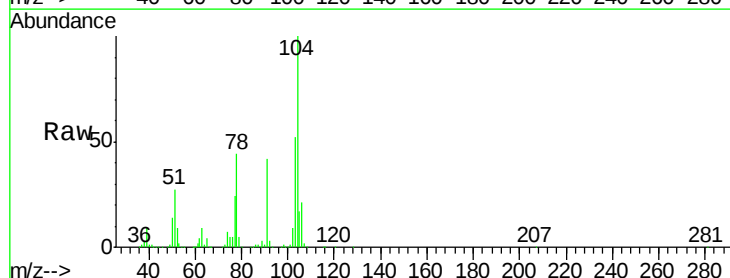
Manual Integrations
APPROVED

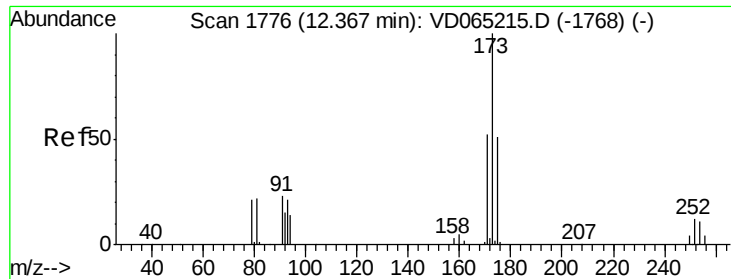
MMDadoda
3/3/2020 11:12:05 AM



#70
Styrene
Concen: 53.824 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	47.7	37.8	56.6	
103	54.8	43.4	65.2	





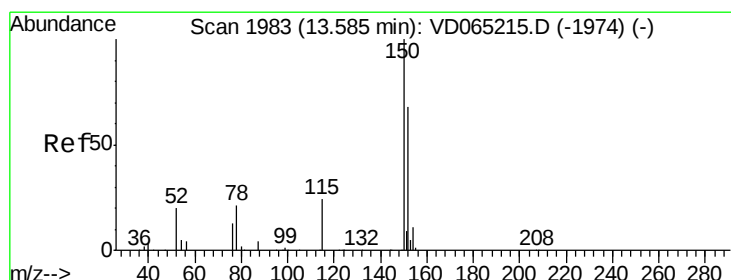
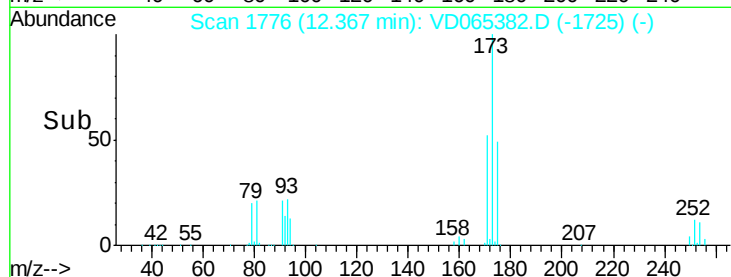
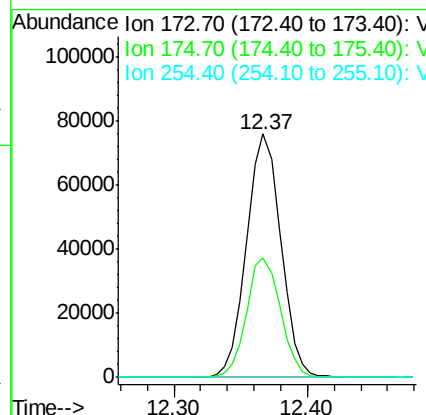
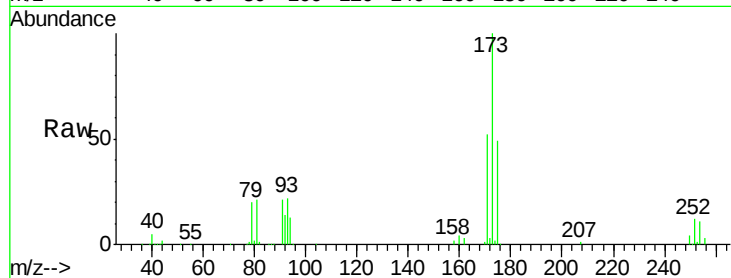
#71
Bromoform
Concen: 52.740 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.0	0.0	0.0

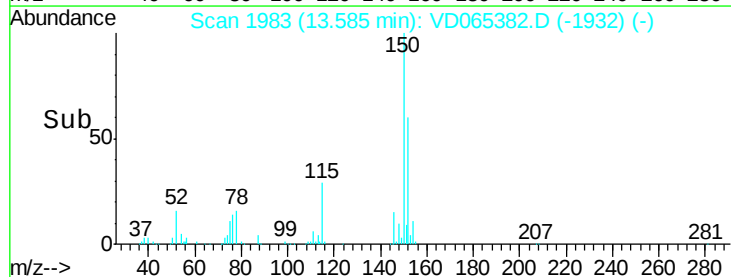
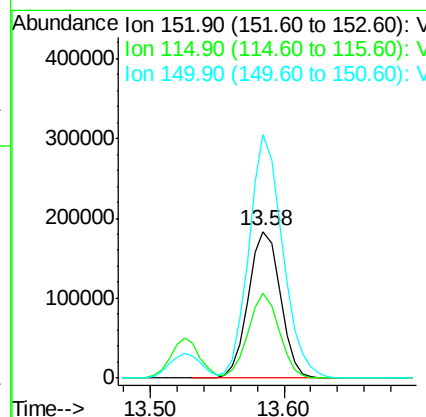
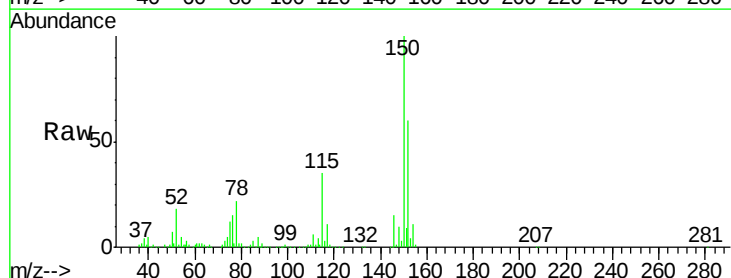
Manual Integrations
APPROVED

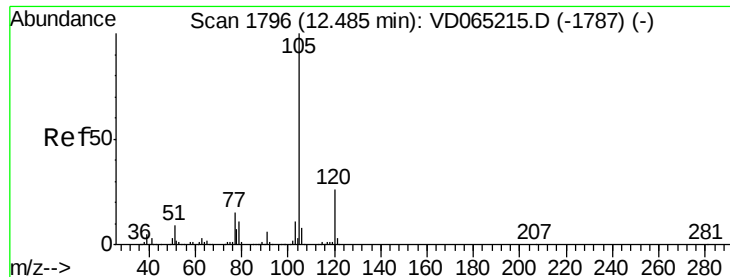
MMDadoda
3/3/2020 11:12:05 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.6	82.8
150	174.7	0.0	347.4





#73

Isopropylbenzene

Concen: 53.846 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 105 Resp: 1081367

Ion Ratio Lower Upper

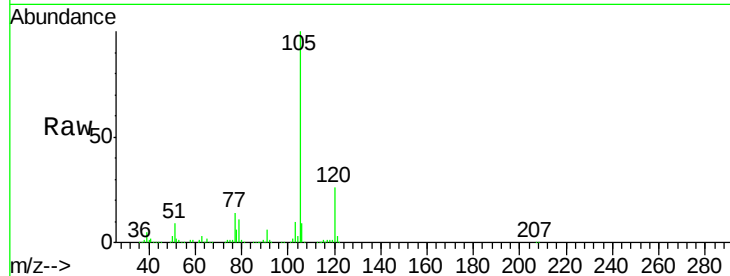
105 100

120 27.0 13.3 39.9

Manual Integrations
APPROVED

MMDadoda

3/3/2020 11:12:05 AM



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.48

800000

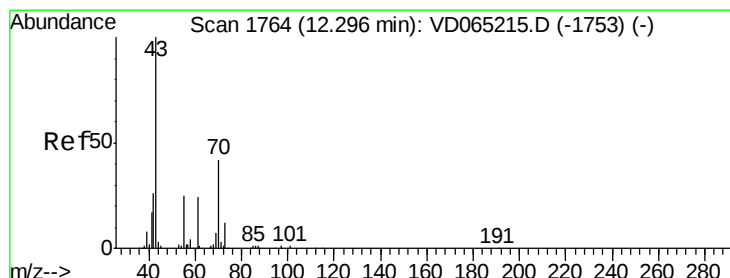
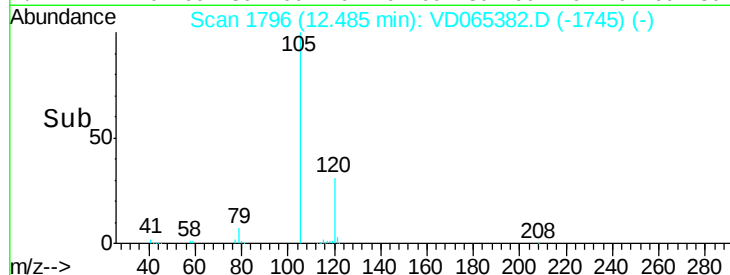
600000

400000

200000

0

Time-->



#74

N-ethyl acetate

Concen: 52.277 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tgt Ion: 43 Resp: 233282

Ion Ratio Lower Upper

43 100

70 44.3 33.7 50.5

55 27.7 20.7 31.1

61 23.9 19.0 28.4

Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

250000

200000

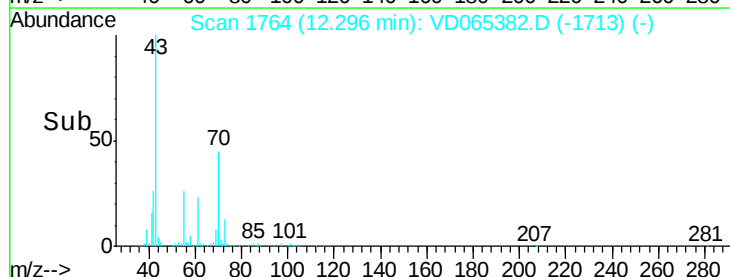
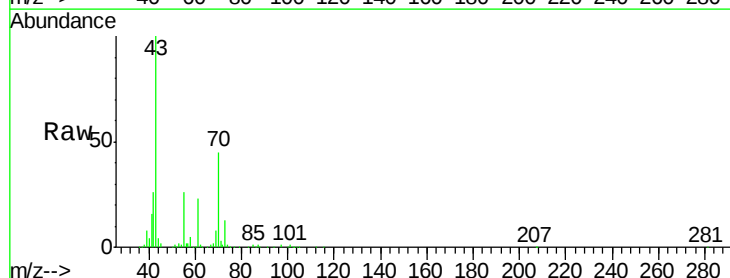
150000

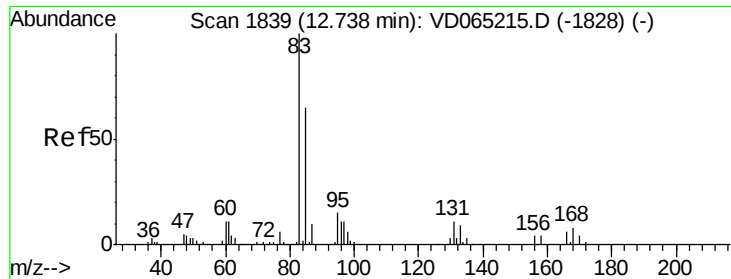
100000

50000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 51.186 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

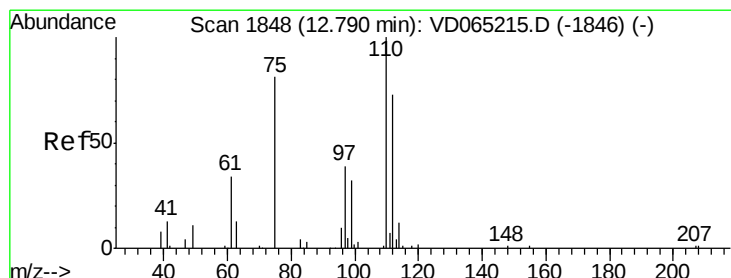
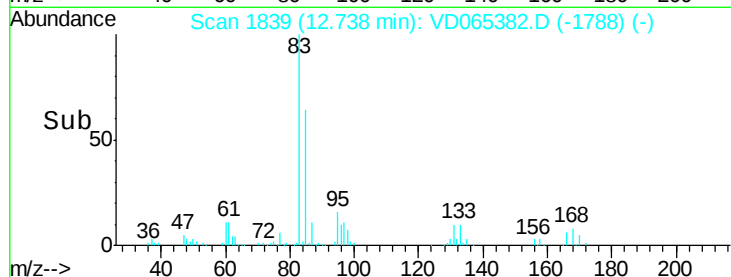
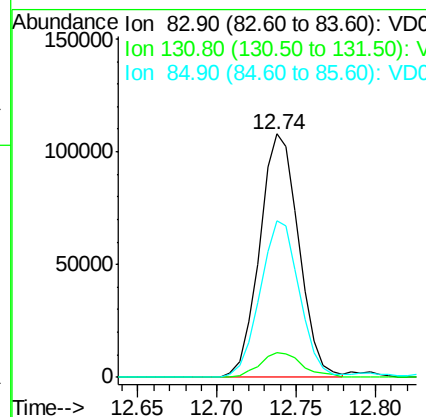
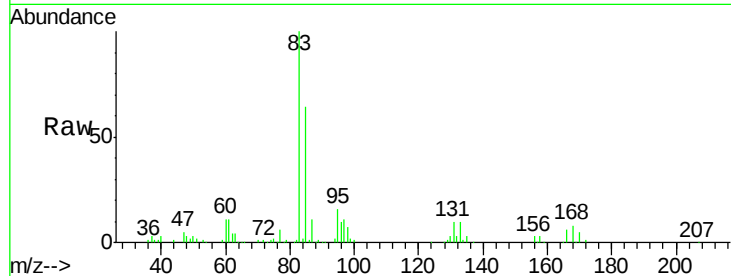
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	185523
Ion Ratio	Lower	Upper	
83	100		
131	11.2	5.4	16.2
85	64.5	31.6	94.8

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#76

1,2,3-Trichloropropane

Concen: 48.409 ug/l m

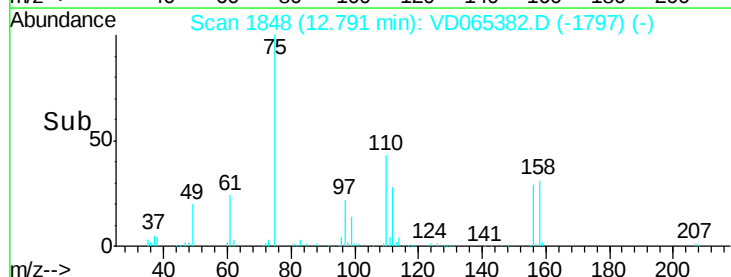
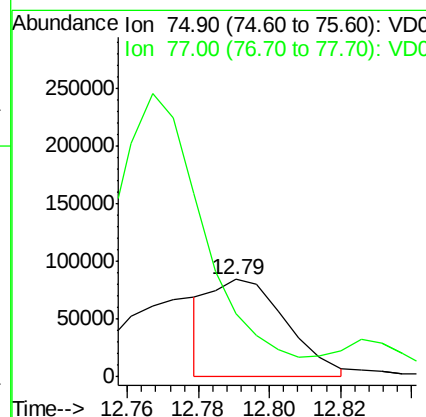
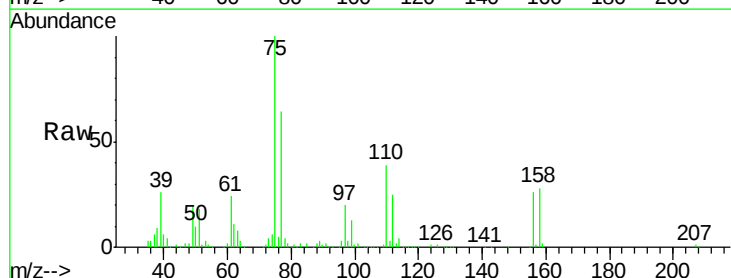
RT: 12.79 min Scan# 1848

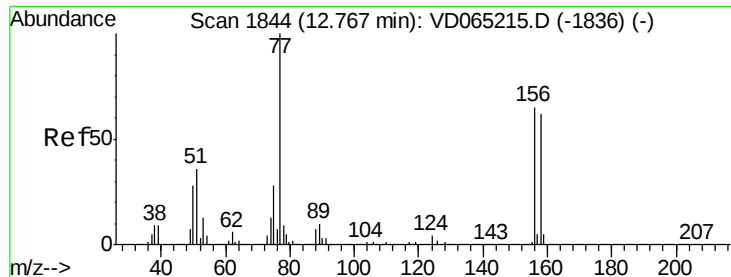
Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tgt Ion:	75	Resp:	124939
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 53.108 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

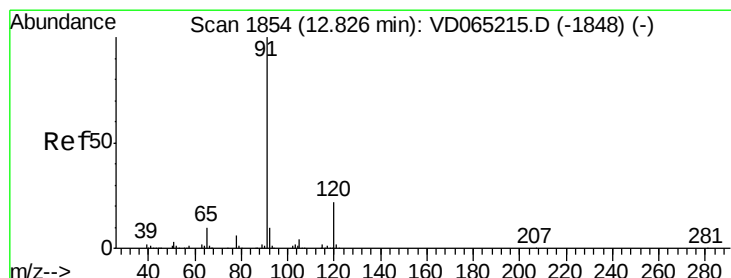
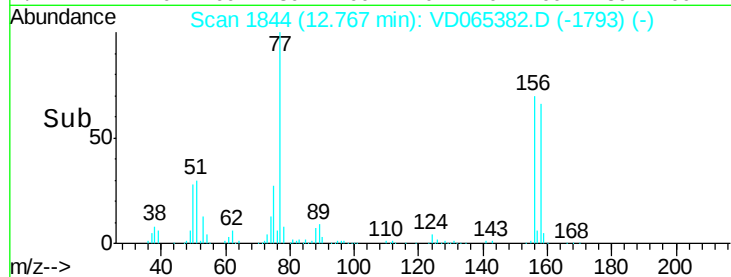
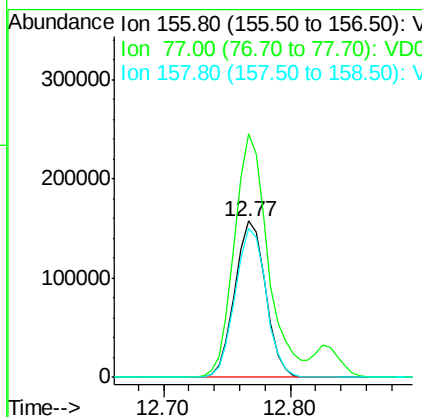
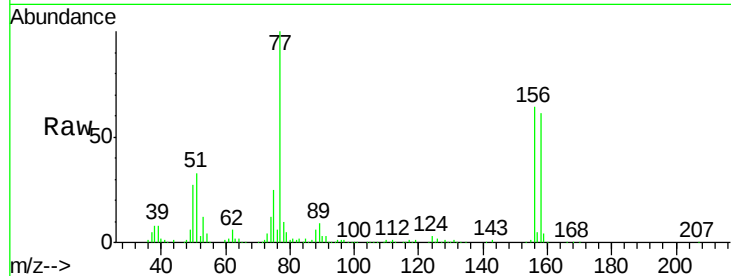
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
156	100		
77	169.2	86.6	259.7
158	95.9	48.1	144.3

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#78

n-propylbenzene

Concen: 53.380 ug/l

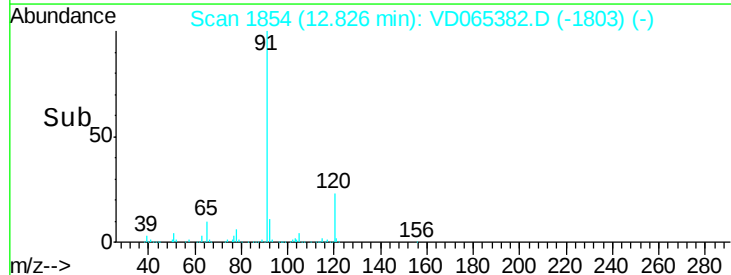
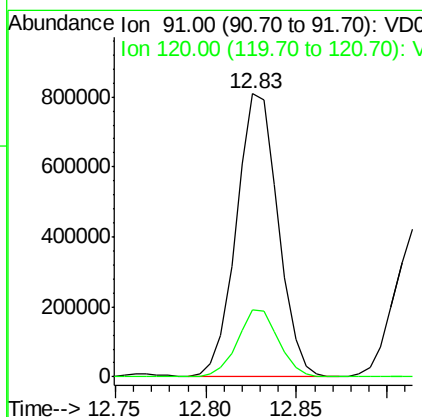
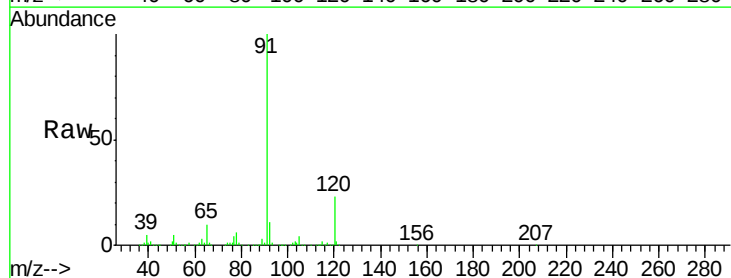
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	11.5	34.5





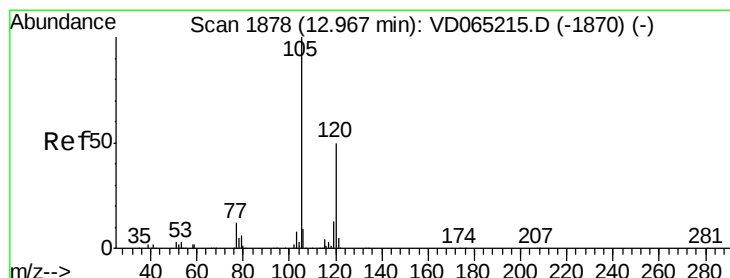
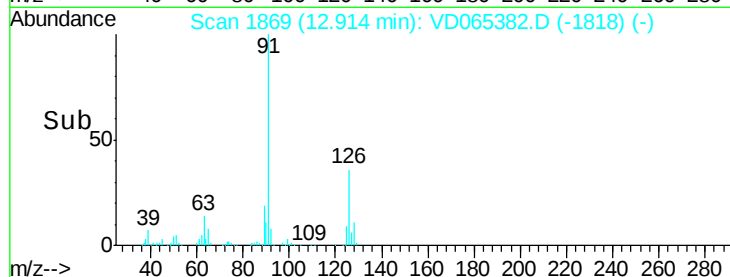
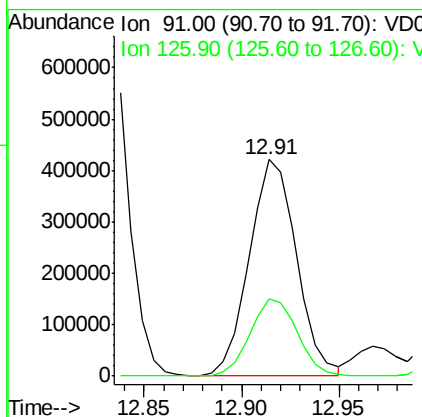
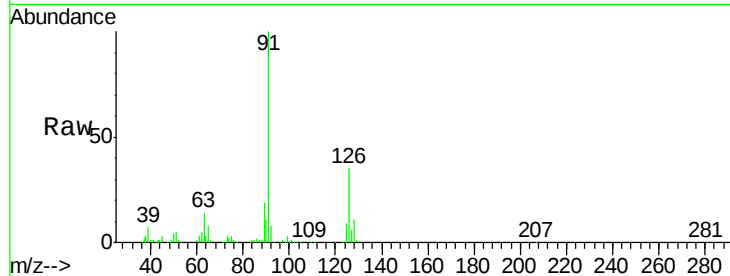
#79
2-Chlorotoluene
Concen: 52.199 ug/l
RT: 12.91 min Scan# 1869
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.5	52.6

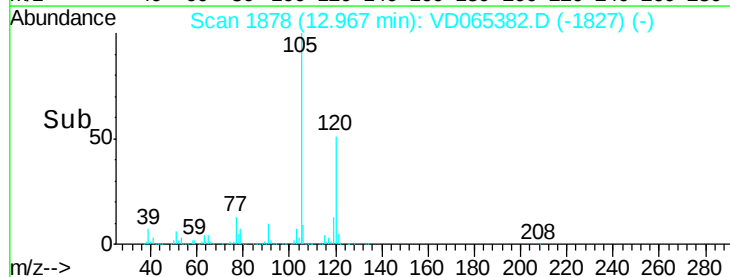
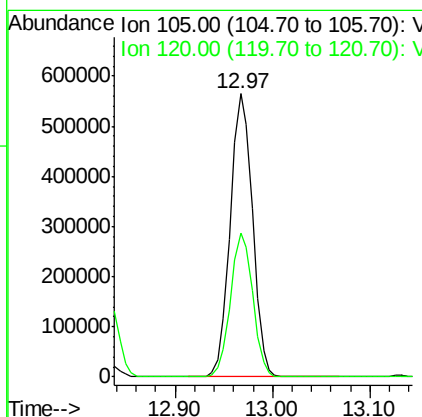
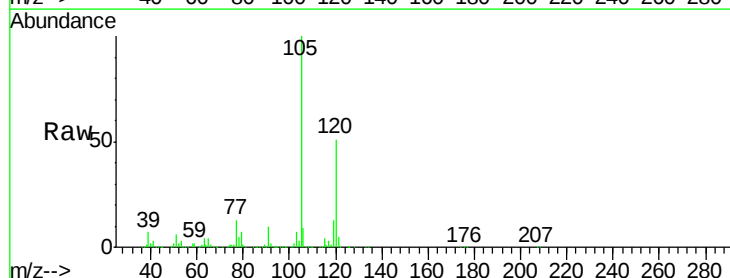
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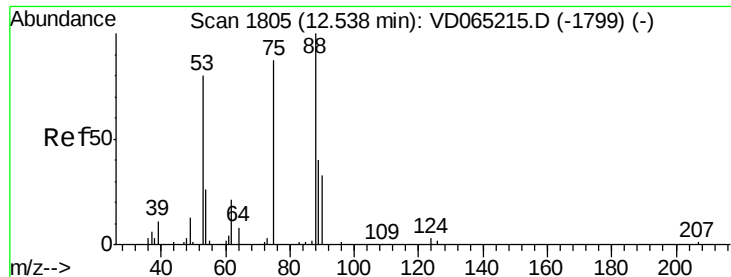
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#80
1,3,5-Trimethylbenzene
Concen: 54.190 ug/l
RT: 12.97 min Scan# 1878
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	50.7	25.4	76.4





#81

trans-1,4-Dichloro-2-butene

Concen: 48.920 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Instrument :

MSVOA_D

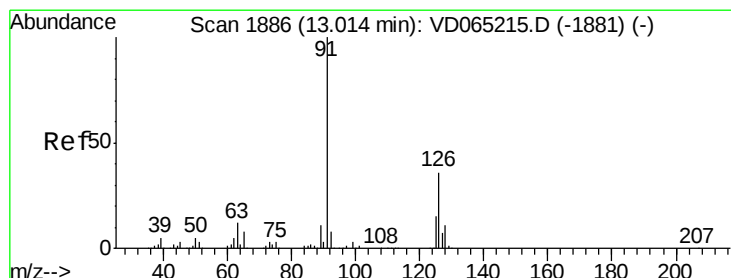
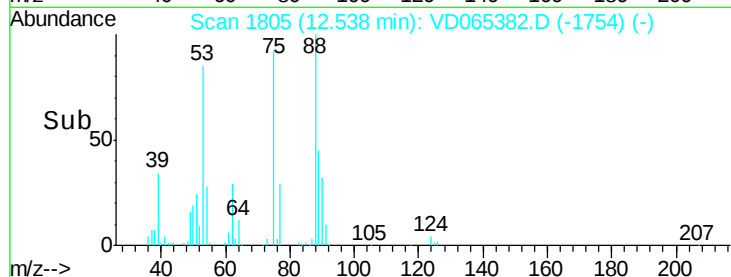
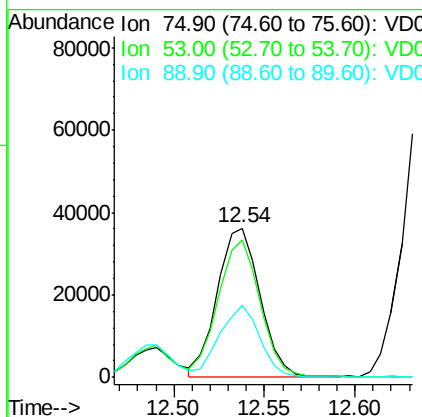
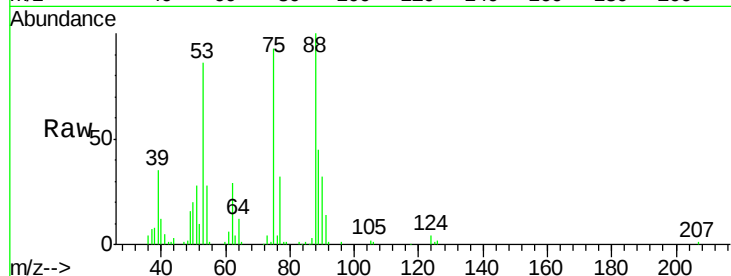
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	58475
Ion	Ratio	Lower	Upper
75	100		
53	91.0	77.6	116.4
89	46.9	37.2	55.8

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#82

4-Chlorotoluene

Concen: 52.195 ug/l

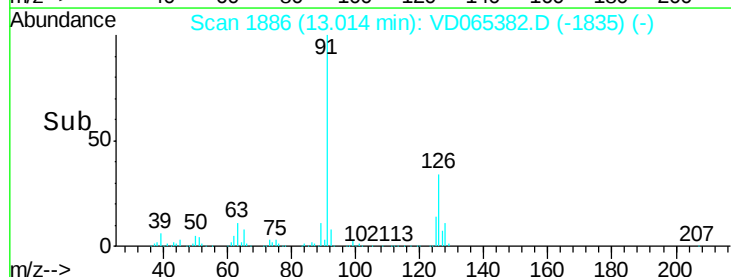
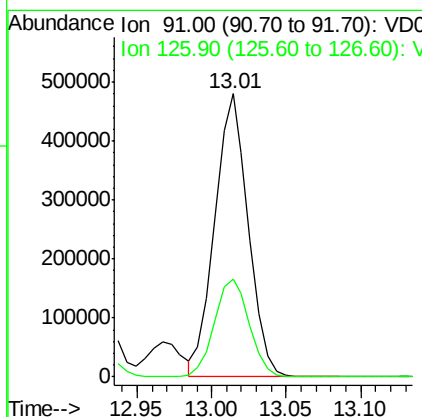
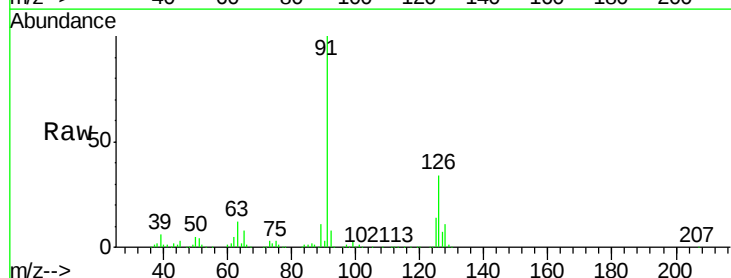
RT: 13.01 min Scan# 1886

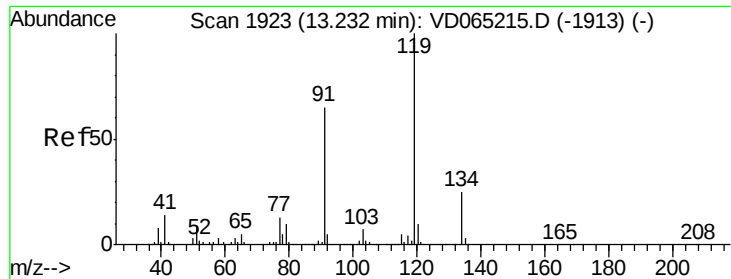
Delta R.T. 0.00 min

Lab File: VD065382.D

Acq: 02 Mar 2020 16:53

Tgt Ion:	91	Resp:	749165
Ion	Ratio	Lower	Upper
91	100		
126	36.1	17.4	52.3





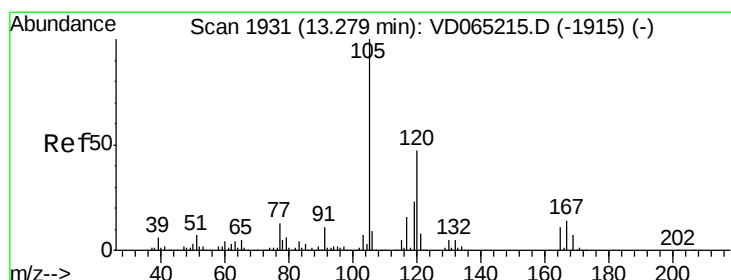
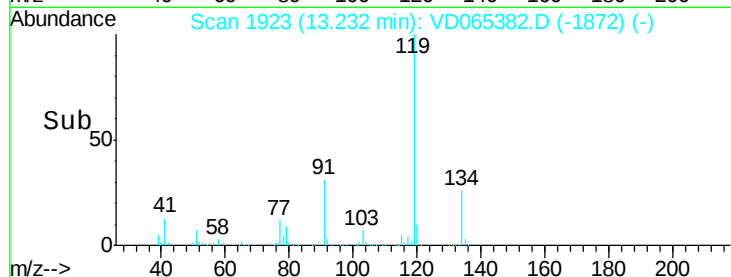
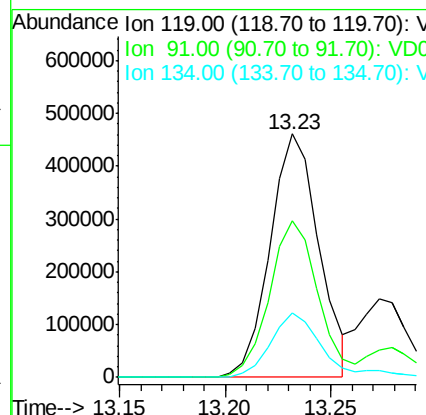
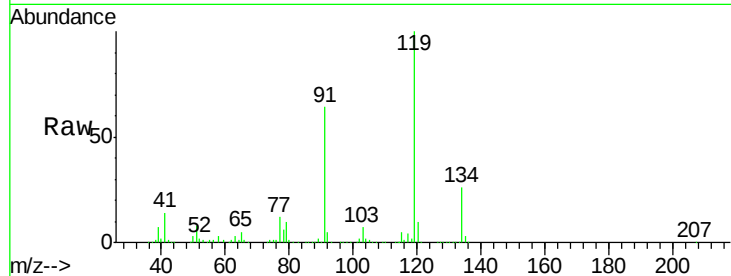
#83
tert-Butylbenzene
Concen: 53.432 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	31.9	95.5
134	28.3	13.8	41.3

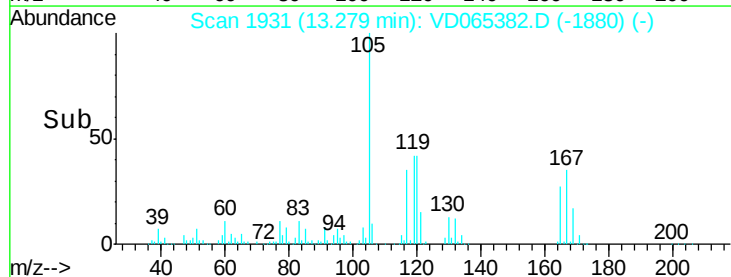
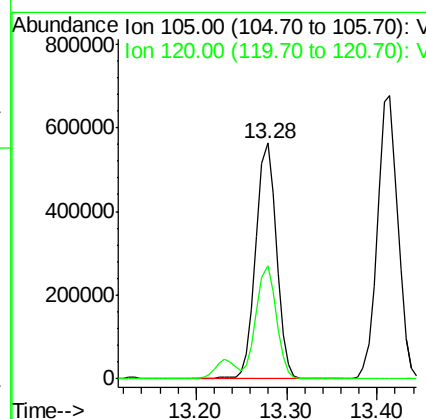
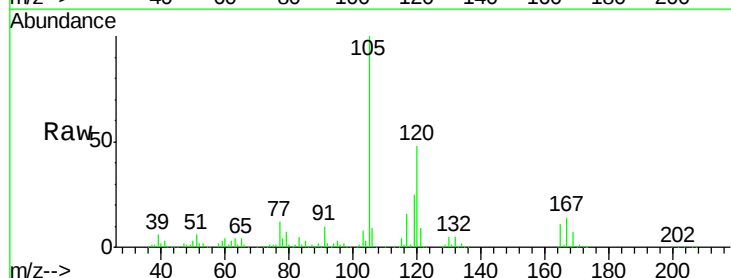
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#84
1,2,4-Trimethylbenzene
Concen: 53.856 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.9	23.3	69.9





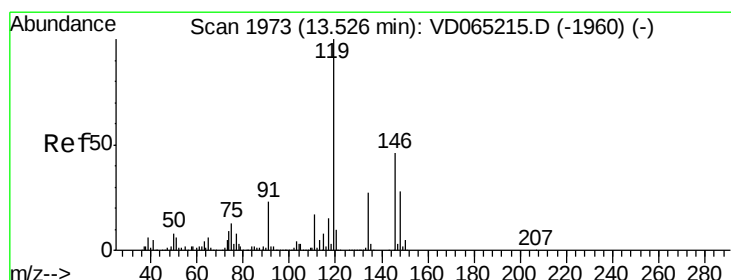
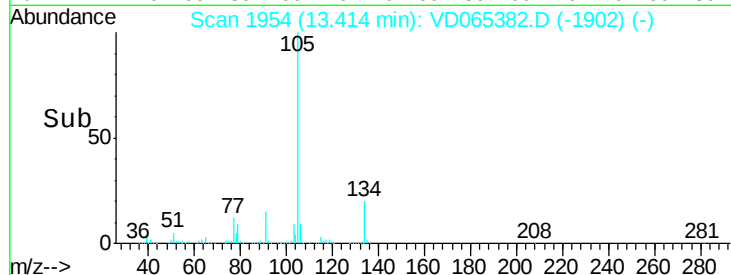
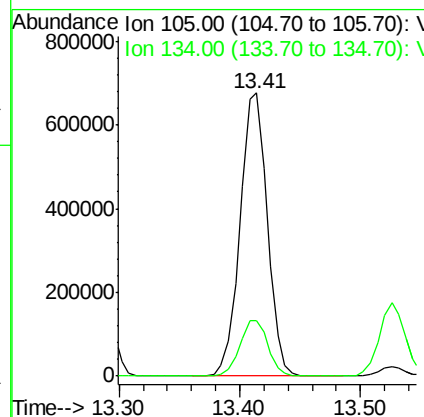
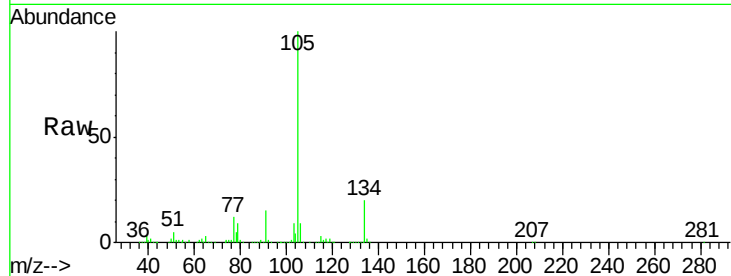
#85
 sec-Butylbenzene
 Concen: 53.314 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:105 Resp: 1065008
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.3 30.9

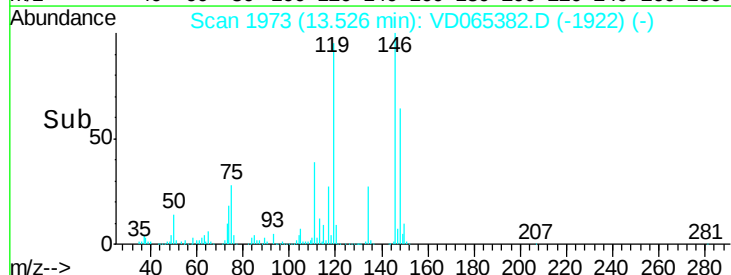
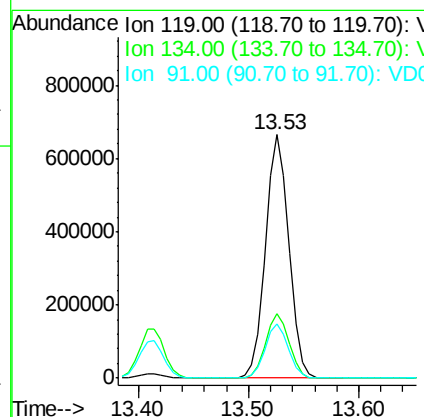
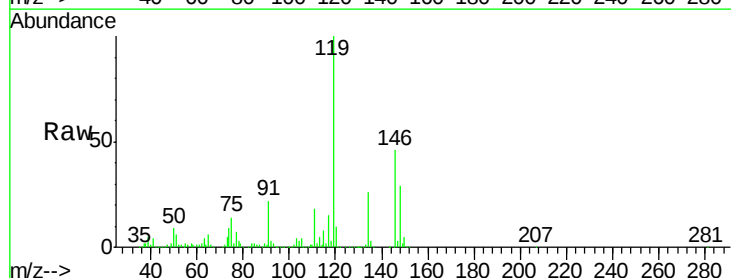
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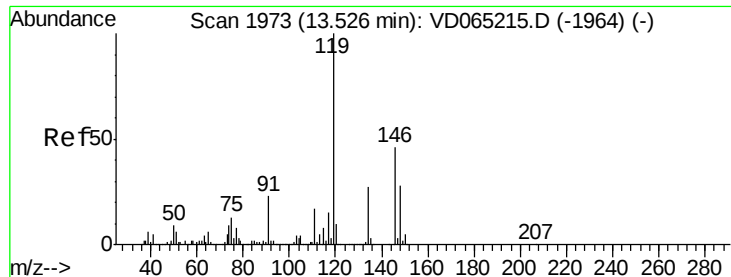
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#86
 p-Isopropyltoluene
 Concen: 54.060 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion:119 Resp: 987553
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.3 39.8
 91 22.1 11.1 33.1





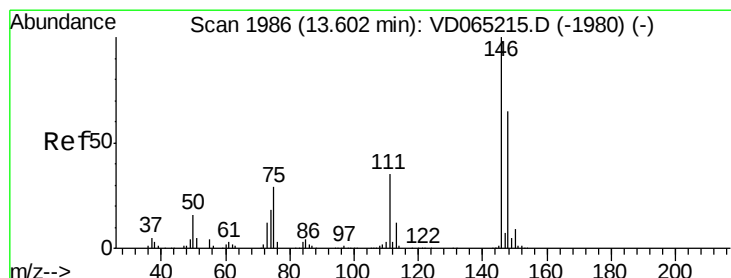
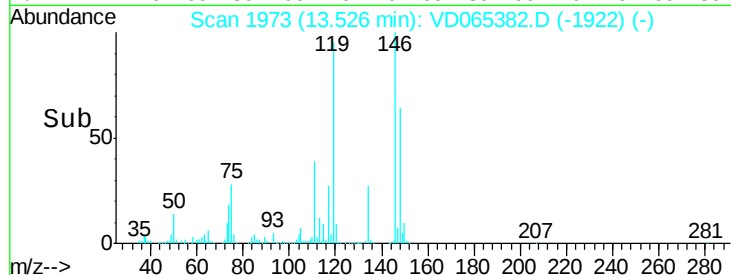
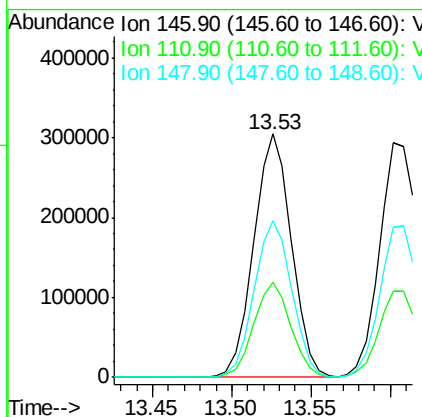
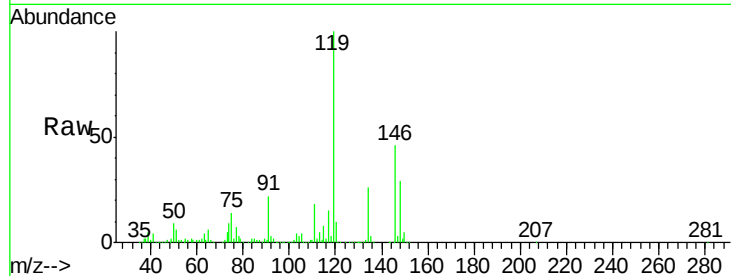
#87
 1,3-Dichlorobenzene
 Concen: 52.127 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.1	18.6	55.8
148	64.2	31.4	94.3

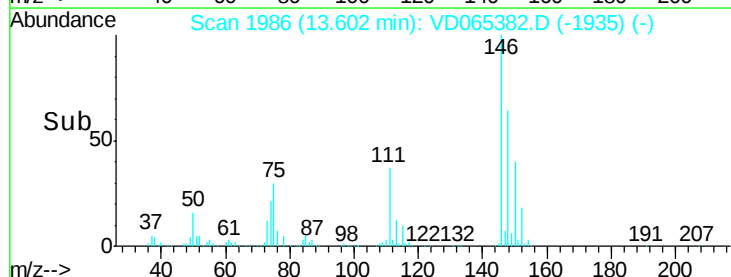
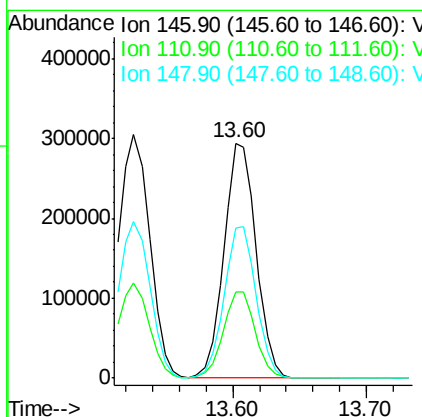
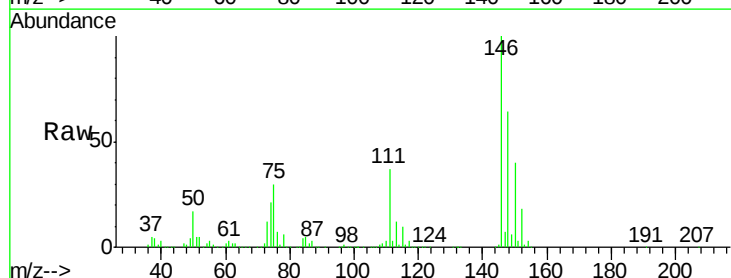
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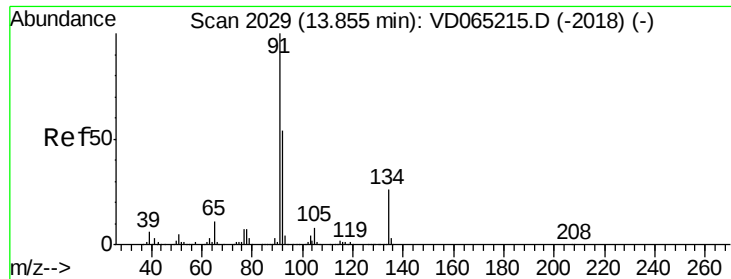
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#88
 1,4-Dichlorobenzene
 Concen: 51.998 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.0	18.4	55.2
148	64.3	32.1	96.5





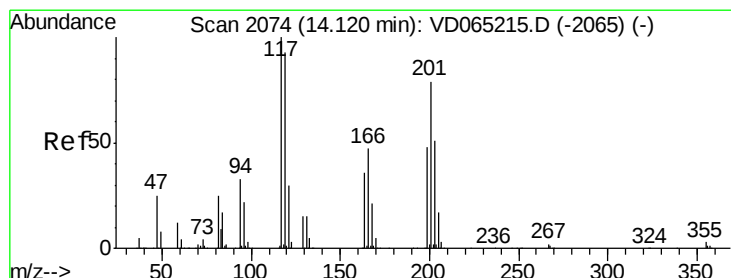
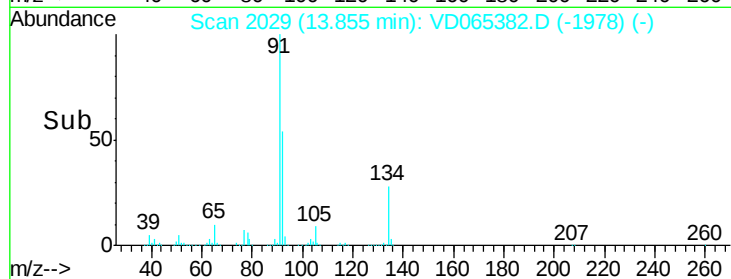
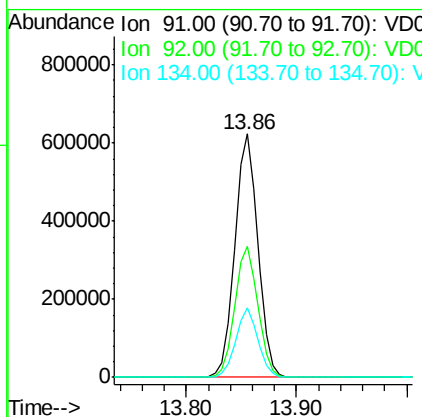
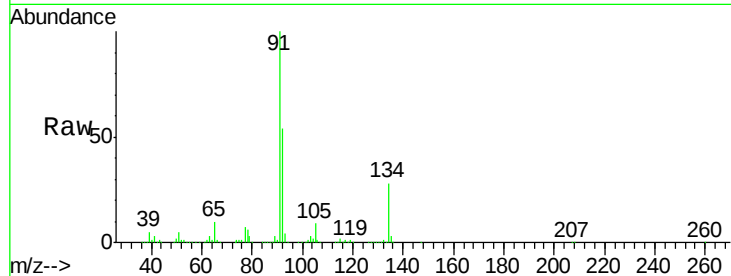
#89
n-Butylbenzene
Concen: 54.239 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	54.0	27.0	80.8
134	27.2	13.5	40.4

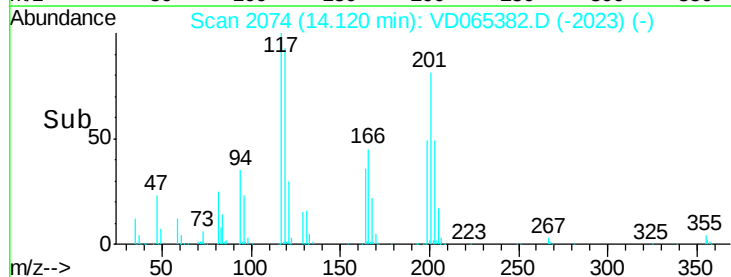
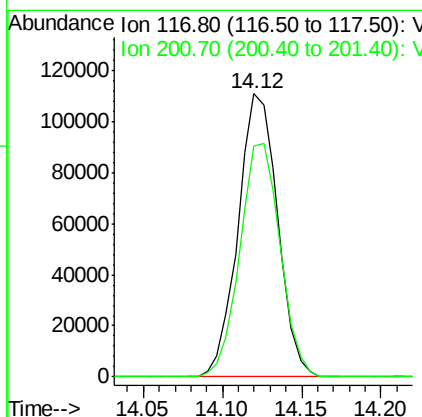
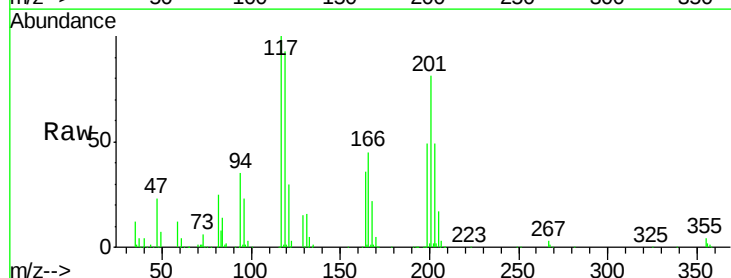
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#90
Hexachloroethane
Concen: 51.732 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
117	100		
201	84.0	41.3	124.1





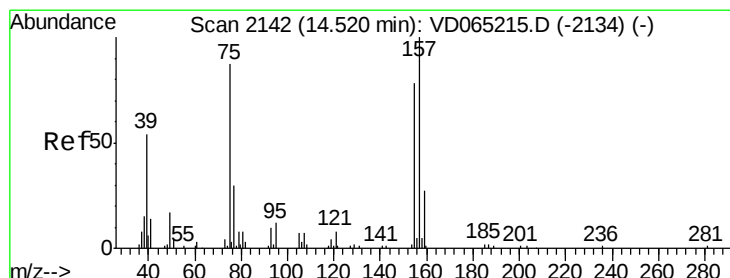
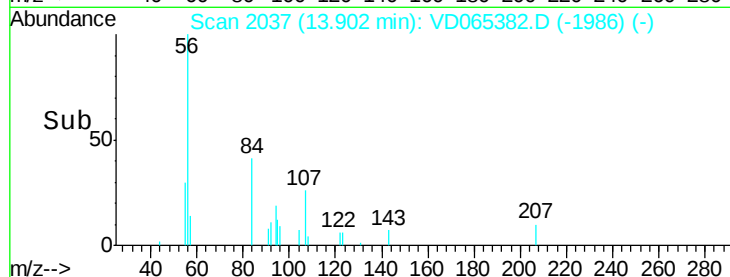
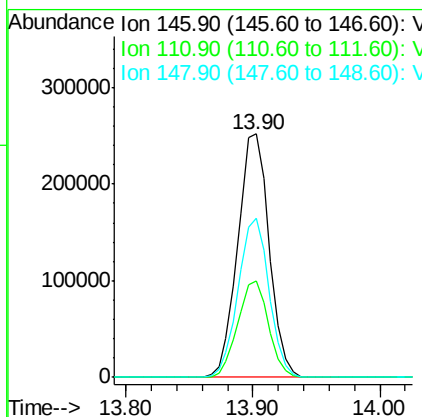
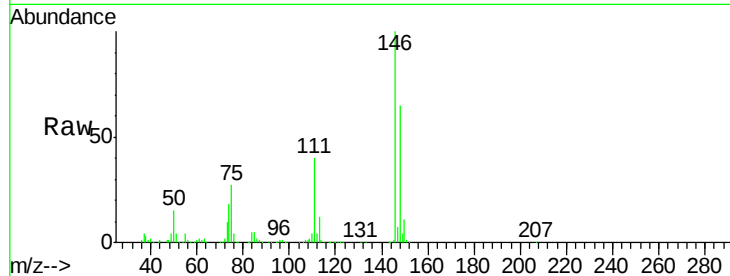
#91
 1,2-Dichlorobenzene
 Concen: 52.170 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.9	19.7	59.0
148	64.4	32.0	96.2

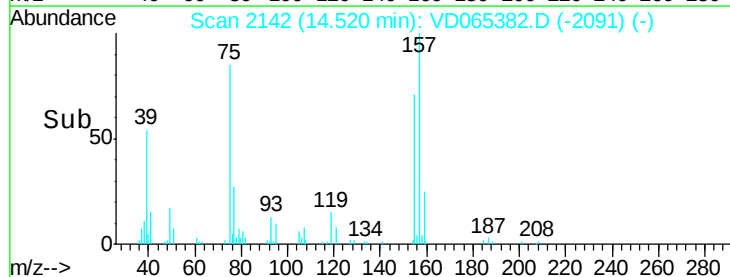
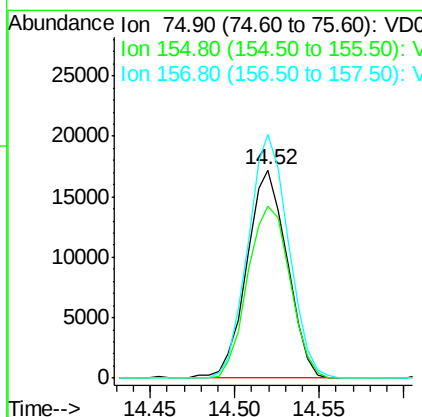
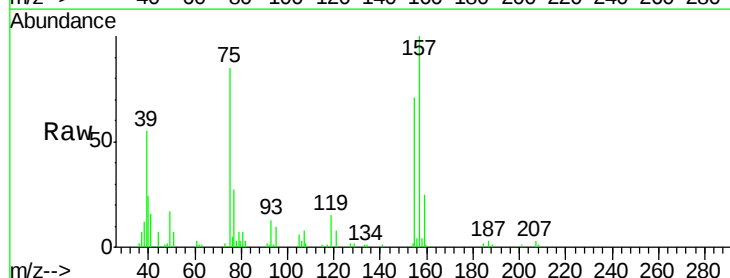
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 51.085 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
75	100		
155	86.9	42.3	126.9
157	117.8	56.7	170.1





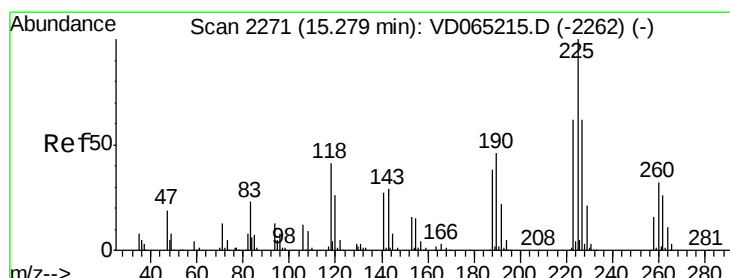
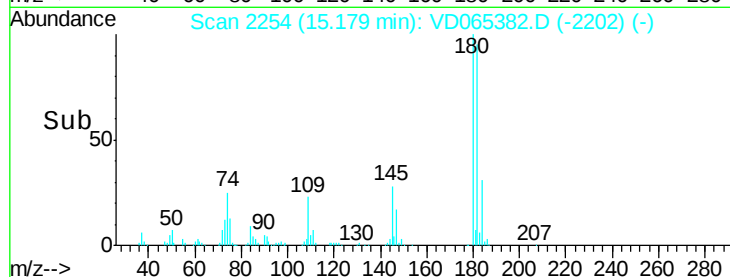
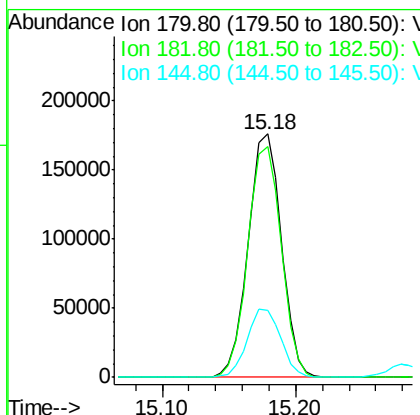
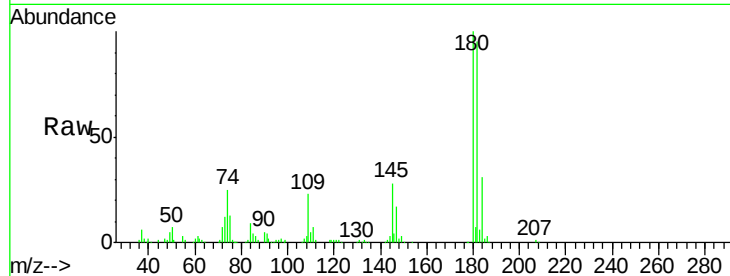
#93
 1,2,4-Trichlorobenzene
 Concen: 55.887 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	95.6	46.9	140.6	
145	28.4	13.9	41.7	

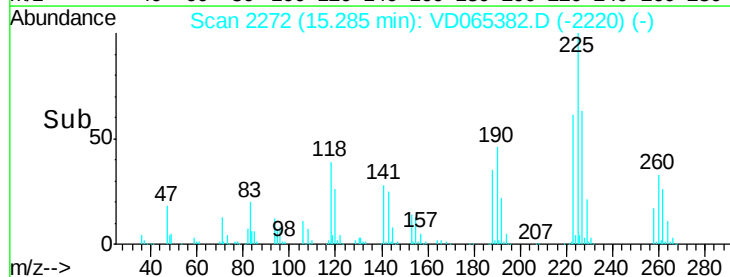
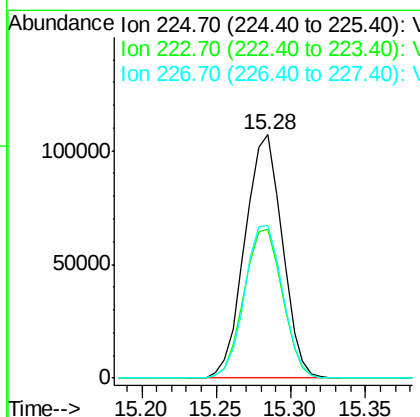
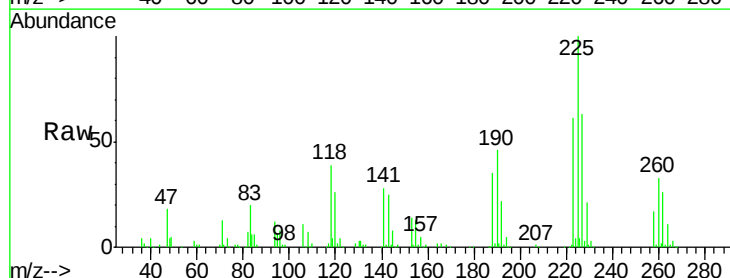
Manual Integrations
 APPROVED

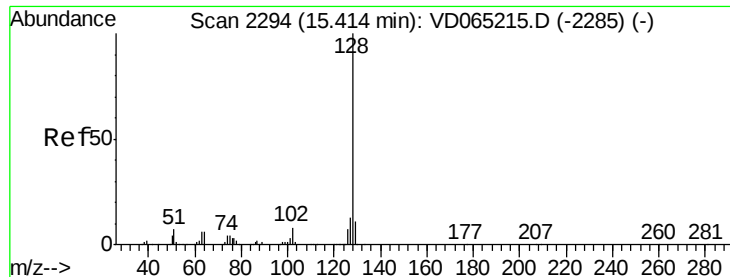
MMDadoda
 3/3/2020 11:12:05 AM



#94
 Hexachlorobutadiene
 Concen: 53.515 ug/l
 RT: 15.28 min Scan# 2272
 Delta R.T. 0.01 min
 Lab File: VD065382.D
 Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.8	31.4	94.2	
227	63.8	31.7	95.1	





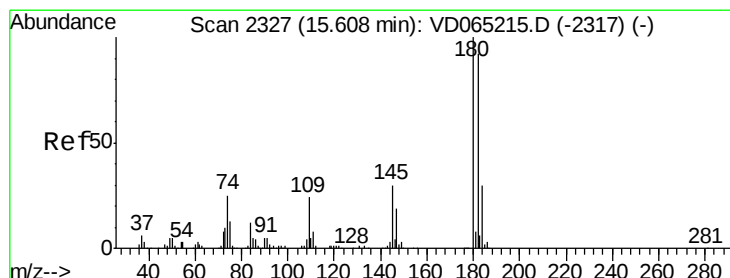
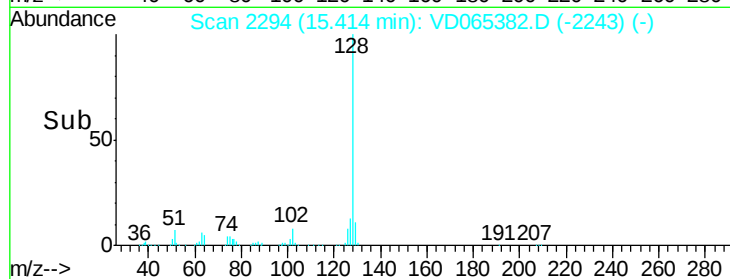
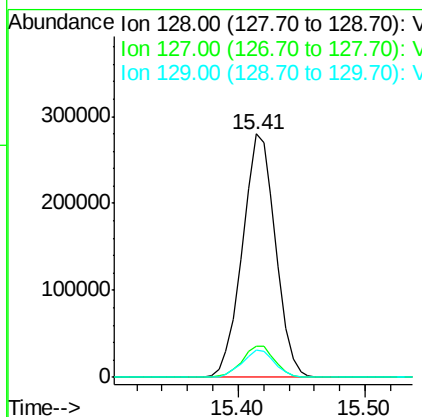
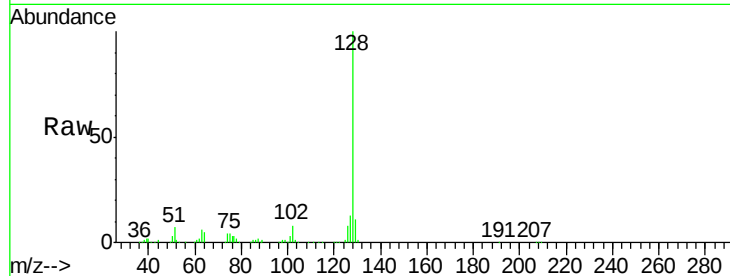
#95
Naphthalene
Concen: 57.564 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.1	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/3/2020 11:12:05 AM



#96
1,2,3-Trichlorobenzene
Concen: 56.011 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065382.D
Acq: 02 Mar 2020 16:53

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	46.9	140.6
145	30.6	15.4	46.1

