

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021920\
 Data File : VD065232.D
 Acq On : 19 Feb 2020 11:49
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/21/2020 5:25:35 PM

Quant Time: Feb 20 04:11:41 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	485875	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	699836	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	629899	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	309877	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	200503	45.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.74%	
35) Dibromofluoromethane	7.92	113	209651	49.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.26%	
50) Toluene-d8	10.34	98	837131	51.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.64%	
62) 4-Bromofluorobenzene	12.64	95	259986	50.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	221647	54.389	ug/l	100
3) Chloromethane	2.21	50	263531	50.806	ug/l	98
4) Vinyl Chloride	2.35	62	269780	51.148	ug/l	97
5) Bromomethane	2.77	94	156988	49.226	ug/l	95
6) Chloroethane	2.93	64	161551	50.178	ug/l	99
7) Trichlorofluoromethane	3.27	101	386685	51.207	ug/l	96
8) Diethyl Ether	3.71	74	105007	46.067	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.08	101	241459	50.634	ug/l	99
10) Methyl Iodide	4.30	142	253684	51.235	ug/l	98
11) Tert butyl alcohol	5.24	59	52387	200.568	ug/l #	72
12) 1,1-Dichloroethene	4.06	96	231415	51.371	ug/l	99
13) Acrolein	3.93	56	90306	286.533	ug/l	99
14) Allyl chloride	4.71	41	372612	50.936	ug/l	99
15) Acrylonitrile	5.43	53	232529	230.414	ug/l	99
16) Acetone	4.16	43	262319	245.507	ug/l	97
17) Carbon Disulfide	4.40	76	775253	51.332	ug/l	98
18) Methyl Acetate	4.73	43	105155	43.758	ug/l	98
19) Methyl tert-butyl Ether	5.48	73	456340	48.578	ug/l	98
20) Methylene Chloride	4.97	84	253283	53.578	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	261778	51.117	ug/l	99
22) Diisopropyl ether	6.37	45	724229	51.355	ug/l	98
23) Vinyl Acetate	6.31	43	1979431	254.603	ug/l	100
24) 1,1-Dichloroethane	6.27	63	437493	50.015	ug/l	97
25) 2-Butanone	7.22	43	310852	229.944	ug/l	97
26) 2,2-Dichloropropane	7.21	77	387669	51.081	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	272900	50.308	ug/l	100
28) Bromochloromethane	7.55	49	151996	46.838	ug/l	98
29) Tetrahydrofuran	7.57	42	183121	231.188	ug/l	99
30) Chloroform	7.71	83	445002	50.496	ug/l	100
31) Cyclohexane	7.98	56	426338	49.607	ug/l	98
32) 1,1,1-Trichloroethane	7.90	97	401681	50.944	ug/l	100
36) 1,1-Dichloropropene	8.11	75	364782	53.570	ug/l	99
37) Ethyl Acetate	7.30	43	132387	46.506	ug/l	100
38) Carbon Tetrachloride	8.10	117	365082	52.667	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	446064	55.720	ug/l	97
40) Benzene	8.36	78	1015468	52.833	ug/l	99
41) Methacrylonitrile	7.54	41	75420	45.886	ug/l	99
42) 1,2-Dichloroethane	8.43	62	263934	49.950	ug/l	99
43) Isopropyl Acetate	8.46	43	246229	47.566	ug/l	99
44) Trichloroethene	9.11	130	277709	52.125	ug/l	99
45) 1,2-Dichloropropane	9.39	63	249530	52.211	ug/l	99
46) Dibromomethane	9.48	93	121848	49.551	ug/l	97
47) Bromodichloromethane	9.67	83	334511	51.619	ug/l	100
48) Methyl methacrylate	9.46	41	131860	55.108	ug/l	94
49) 1,4-Dioxane	9.47	88	27698	960.375	ug/l	96
51) 4-Methyl-2-Pentanone	10.23	43	635544	241.721	ug/l	100
52) Toluene	10.41	92	647096	54.392	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	310454	51.684	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	383908	52.928	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	169671	49.022	ug/l	97
56) Ethyl methacrylate	10.67	69	205650	51.479	ug/l	99
57) 1,3-Dichloropropane	10.95	76	299096	50.774	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	288412	228.994	ug/l	99
59) 2-Hexanone	10.99	43	477982	253.960	ug/l	99
60) Dibromochloromethane	11.14	129	226420	51.111	ug/l	98
61) 1,2-Dibromoethane	11.25	107	164359	50.155	ug/l	97
64) Tetrachloroethene	10.88	164	237006	53.052	ug/l	96
65) Chlorobenzene	11.67	112	668997	52.925	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.75	131	244233	51.776	ug/l	100
67) Ethyl Benzene	11.75	91	1220000	55.108	ug/l	100
68) m/p-Xylenes	11.86	106	930997	109.917	ug/l	100
69) o-Xylene	12.18	106	420427	56.027	ug/l	98
70) Styrene	12.20	104	730446	54.826	ug/l	99
71) Bromoform	12.37	173	128408	49.057	ug/l #	100
73) Isopropylbenzene	12.48	105	1147472	55.932	ug/l	99
74) N-amyl acetate	12.30	43	221894	48.676	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	178470	48.202	ug/l	98
76) 1,2,3-Trichloropropane	12.79	75	120838m	45.832	ug/l	
77) Bromobenzene	12.77	156	267251	52.461	ug/l	99
78) n-propylbenzene	12.83	91	1373524	55.713	ug/l	99
79) 2-Chlorotoluene	12.91	91	744213	53.885	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	938445	55.539	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	60546	49.584	ug/l	98
82) 4-Chlorotoluene	13.01	91	787211	53.689	ug/l	98
83) tert-Butylbenzene	13.23	119	793181	56.009	ug/l	100
84) 1,2,4-Trimethylbenzene	13.28	105	932868	55.158	ug/l	99
85) sec-Butylbenzene	13.41	105	1134060	55.574	ug/l	100
86) p-Isopropyltoluene	13.53	119	1047326	56.122	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	510989	51.885	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	504487	51.902	ug/l	99
89) n-Butylbenzene	13.85	91	975369	56.720	ug/l	100
90) Hexachloroethane	14.12	117	199808	52.731	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	434596	51.394	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26247	46.000	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	291558	52.710	ug/l	99
94) Hexachlorobutadiene	15.28	225	186835	52.656	ug/l	100
95) Naphthalene	15.41	128	465178	51.732	ug/l	99
96) 1,2,3-Trichlorobenzene	15.61	180	247281	51.188	ug/l	100

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

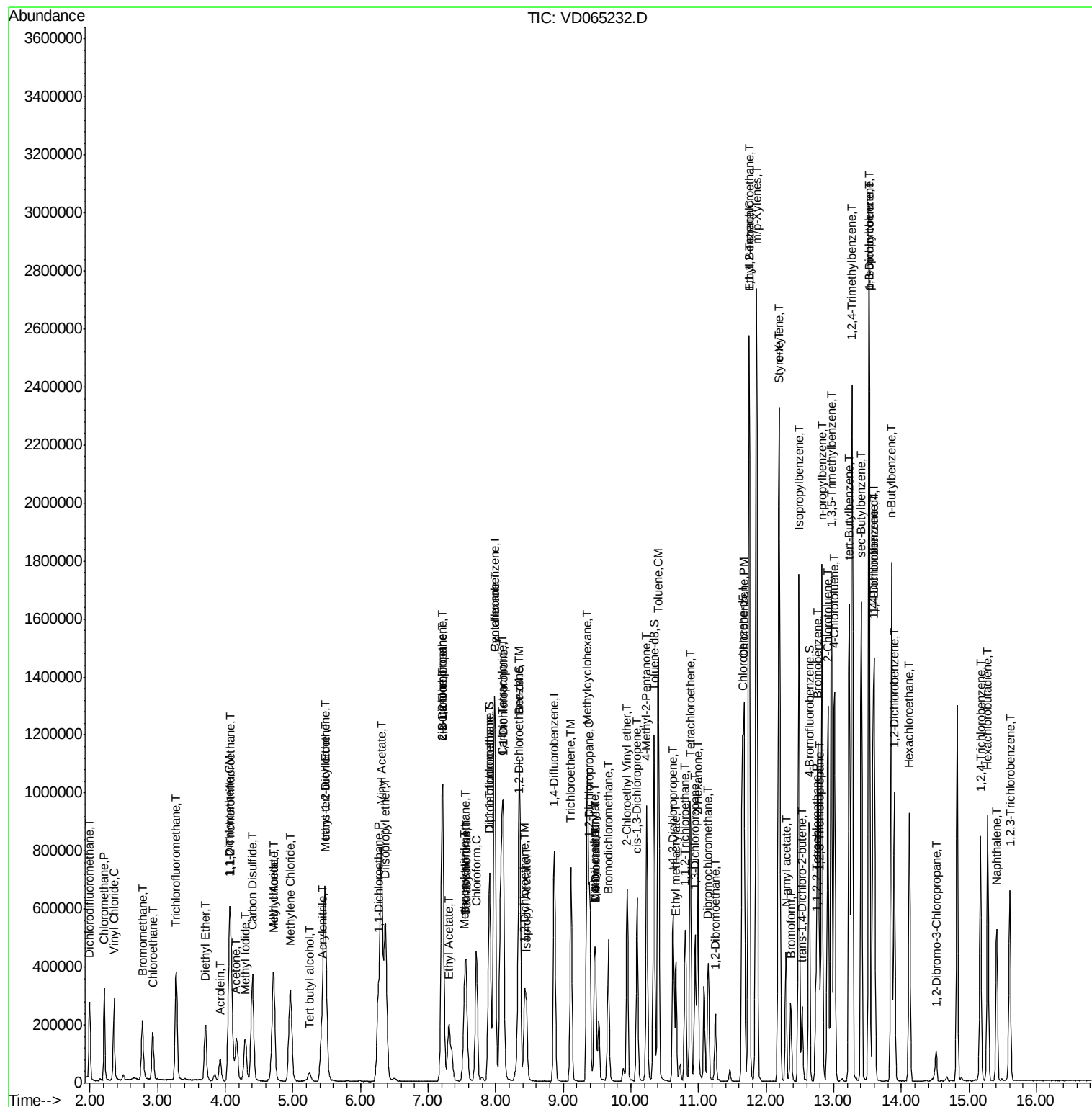
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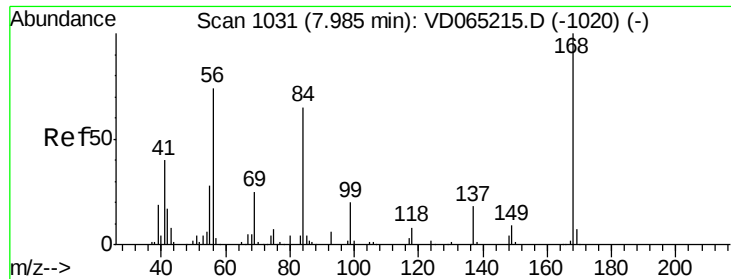
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 485875

Ion Ratio Lower Upper

168 100

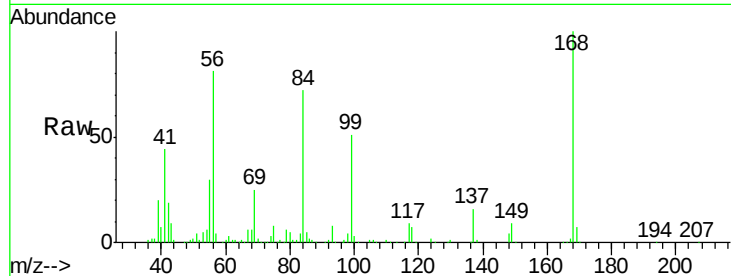
99 51.2 41.4 62.2

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

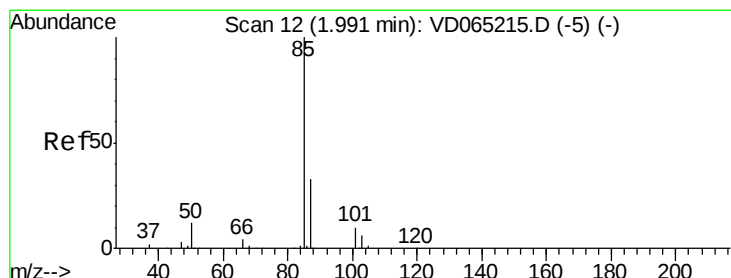
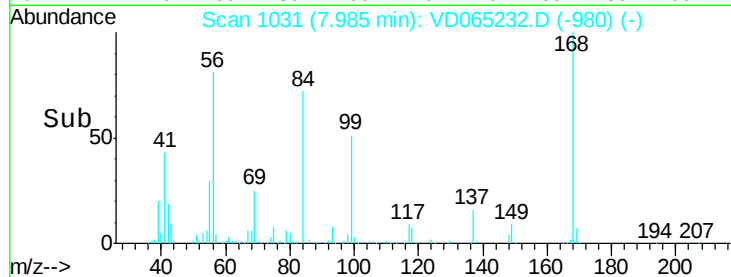
100000

50000

0

7.90 8.00 8.10 8.20

Time-->



#2

Dichlorodifluoromethane

Concen: 54.389 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD065232.D

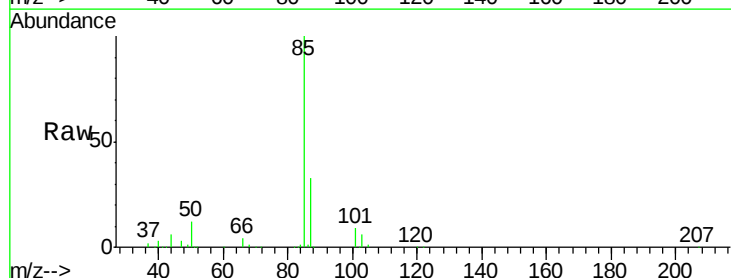
Acq: 19 Feb 2020 11:49

Tgt Ion: 85 Resp: 221647

Ion Ratio Lower Upper

85 100

87 32.5 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

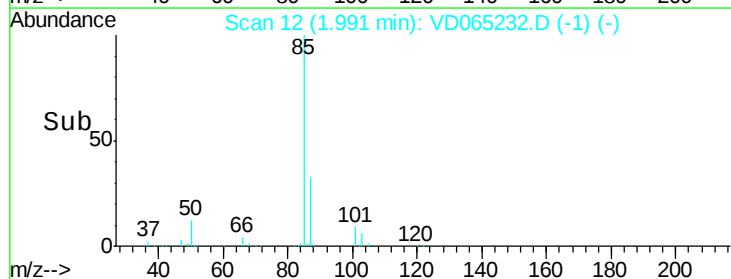
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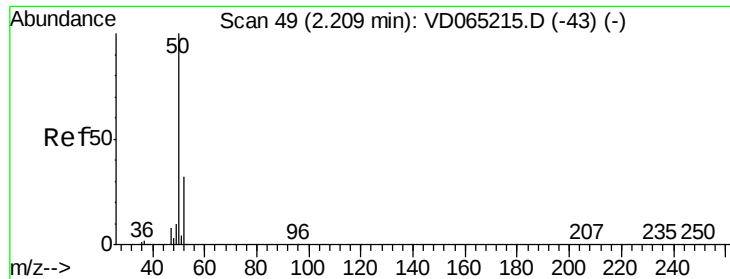
50000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 50.806 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 263531

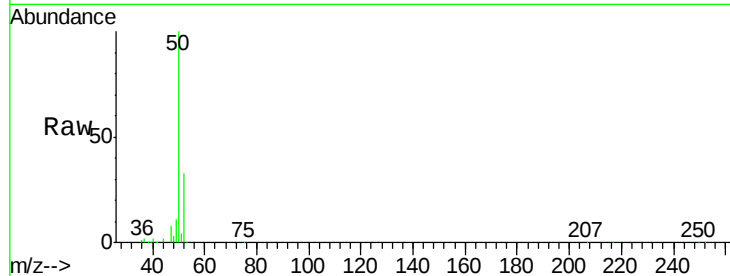
Ion Ratio Lower Upper

50 100

52 33.3 25.5 38.3

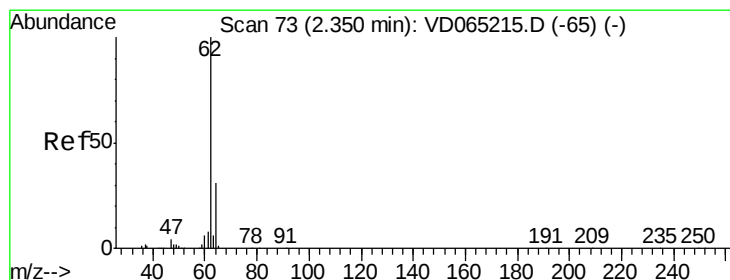
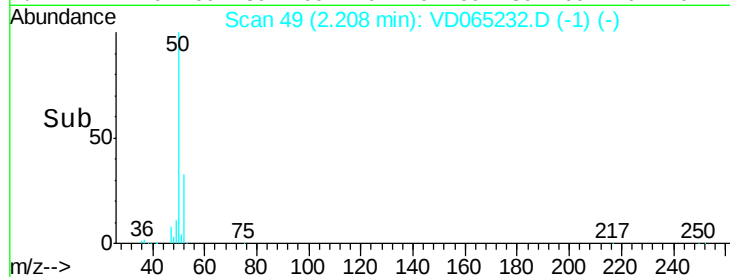
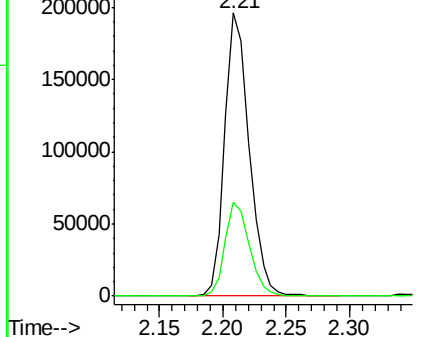
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 51.148 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD065232.D

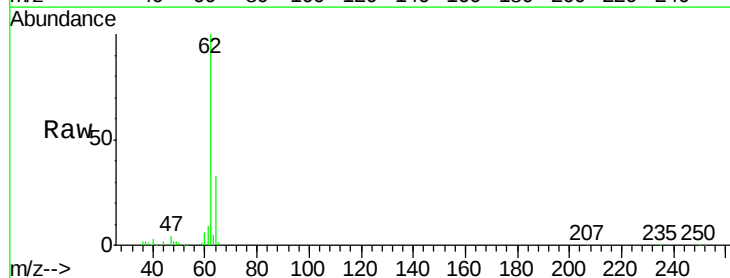
Acq: 19 Feb 2020 11:49

Tgt Ion: 62 Resp: 269780

Ion Ratio Lower Upper

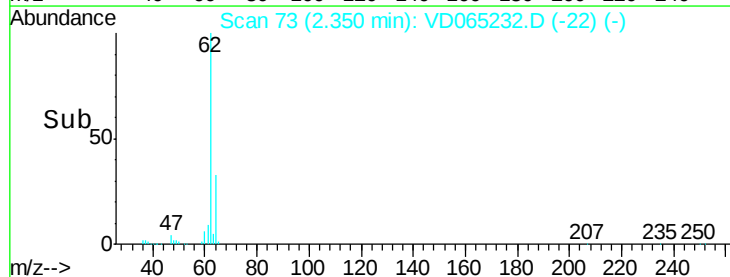
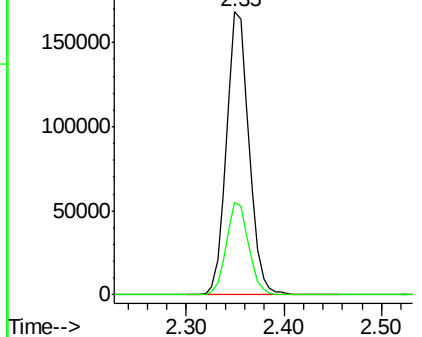
62 100

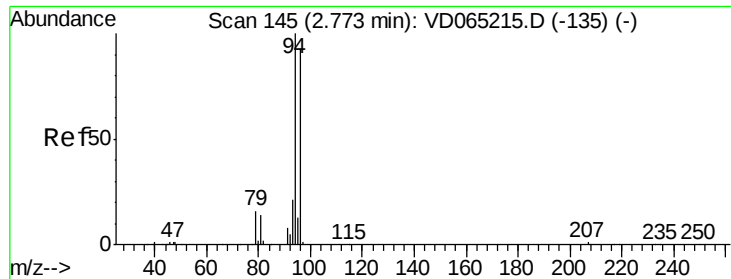
64 32.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.226 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD065232.D

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ClientSampleId :

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Tot Ion: 94 Resp: 156988

Ion Ratio Lower Upper

94 100

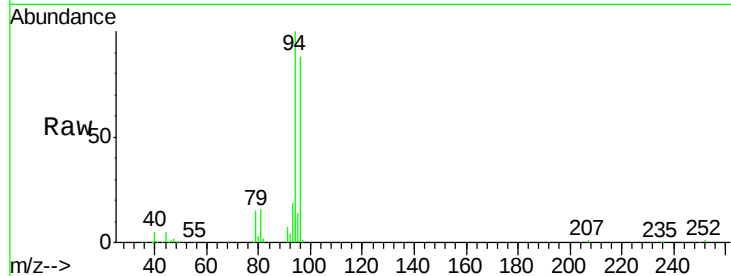
96 87.8 74.2 111.4

Manual Integrations

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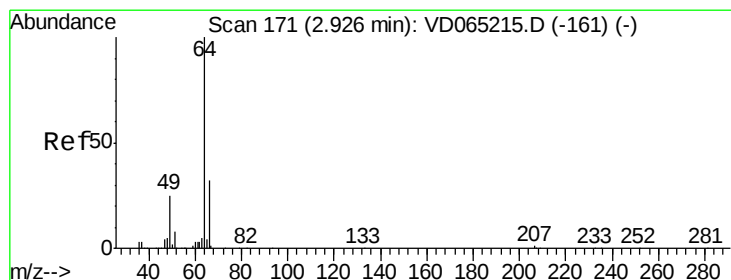
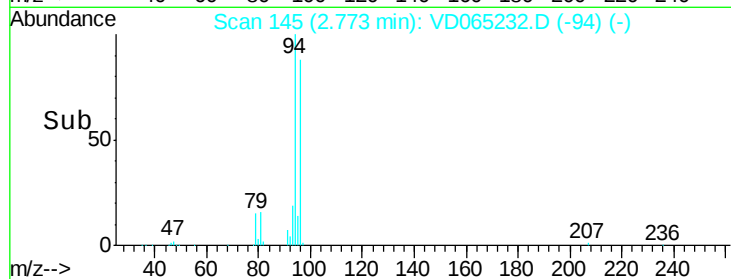
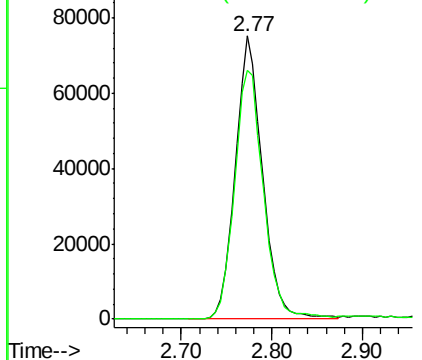
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 50.178 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.00 min

Lab File: VD065232.D

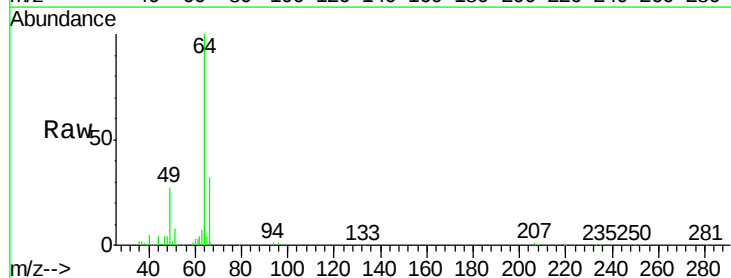
Acq: 19 Feb 2020 11:49

Tgt Ion: 64 Resp: 161551

Ion Ratio Lower Upper

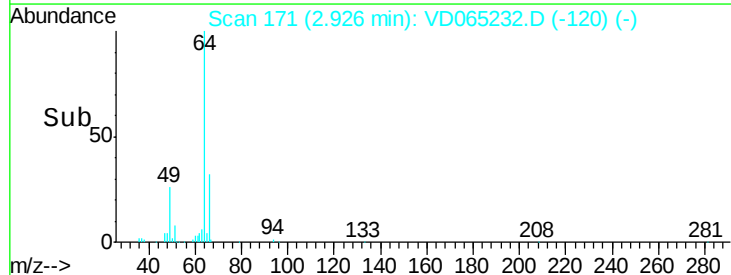
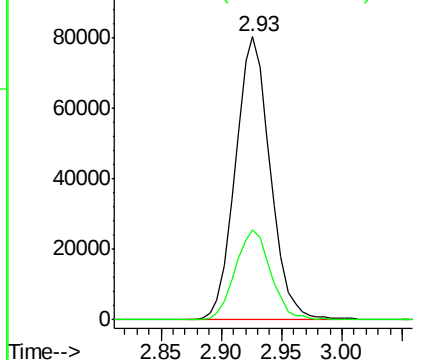
64 100

66 31.7 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

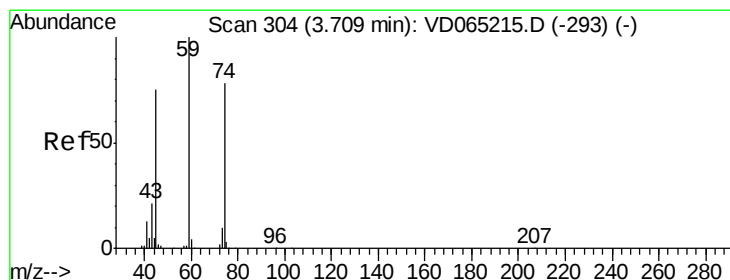
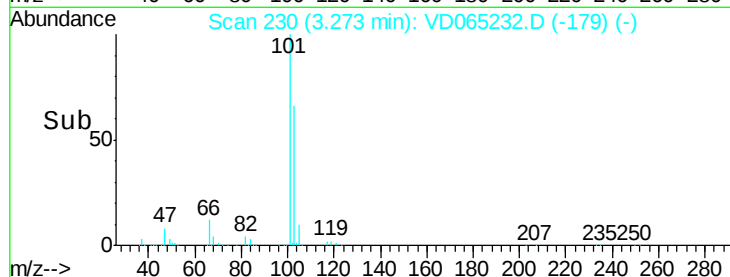
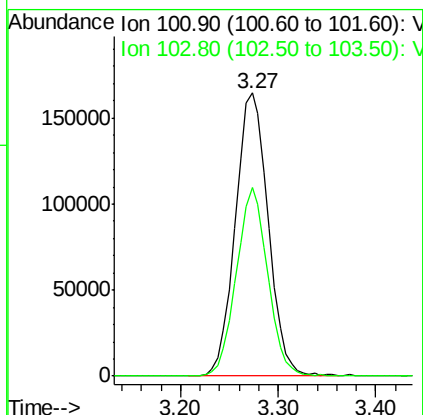
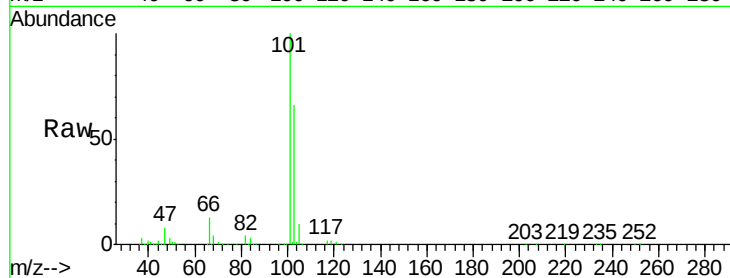
Trichlorofluoromethane
Concen: 51.207 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.00 min
Lab File: VD065232.D
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Tot Ion	Ratio	Lower	Upper
101	100		
103	66.5	50.7	76.1

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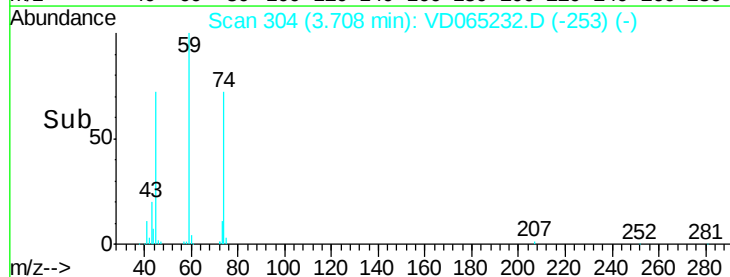
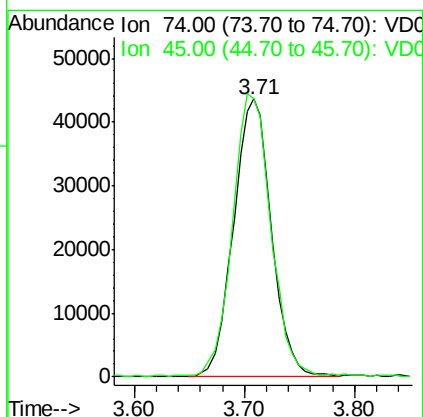
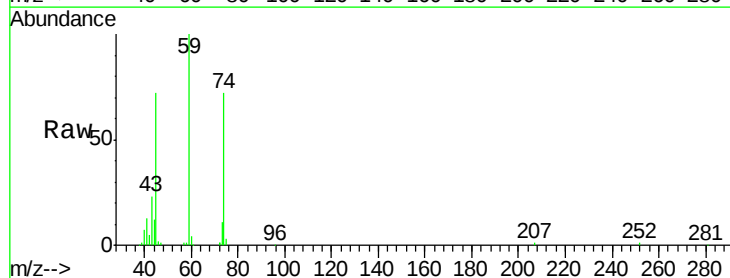
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2/21/2020 5:25:35 PM

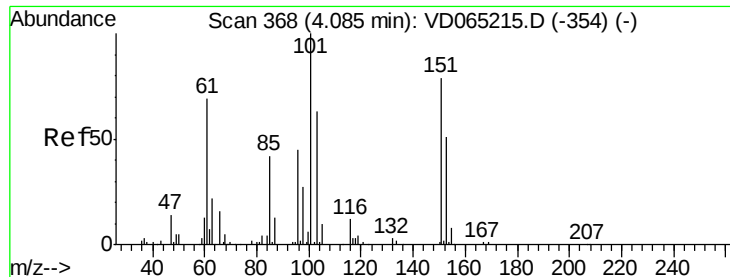


#8

Diethyl Ether
Concen: 46.067 ug/l
RT: 3.71 min Scan# 304
Delta R.T. -0.00 min
Lab File: VD065232.D
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Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.634 ug/l

RT: 4.08 min Scan# 368

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

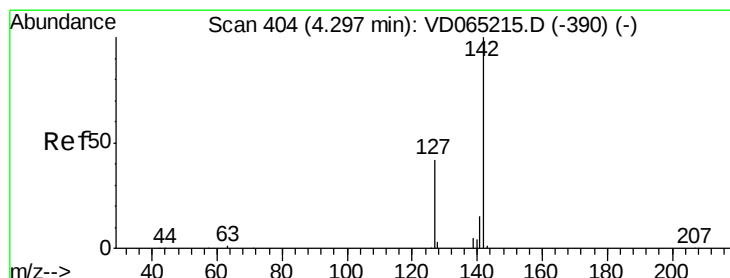
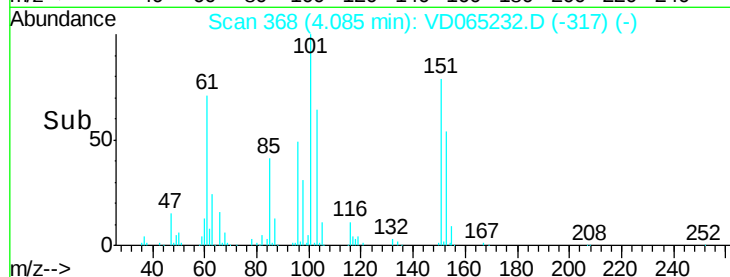
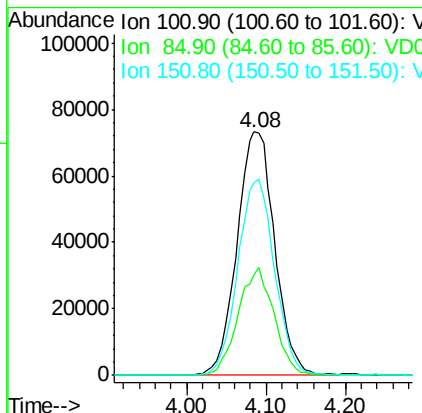
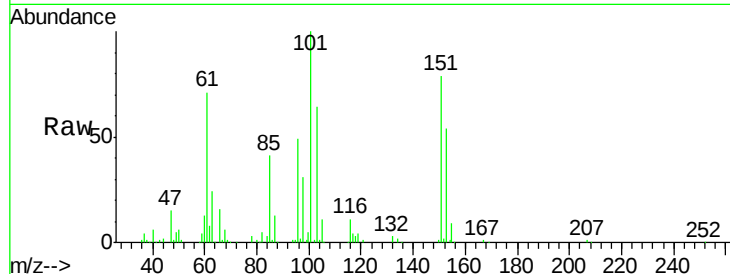
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	241459
Ion Ratio	Lower	Upper	
101	100		
85	42.1	34.2	51.2
151	79.0	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 51.235 ug/l

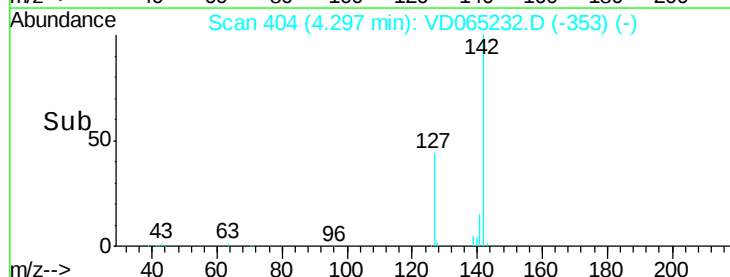
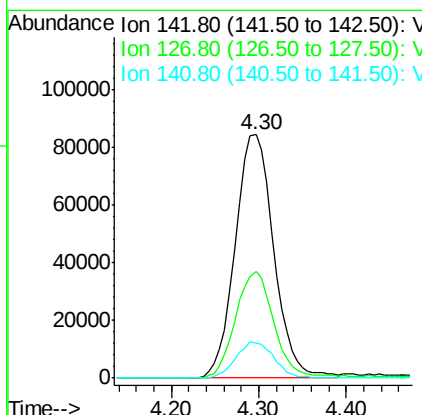
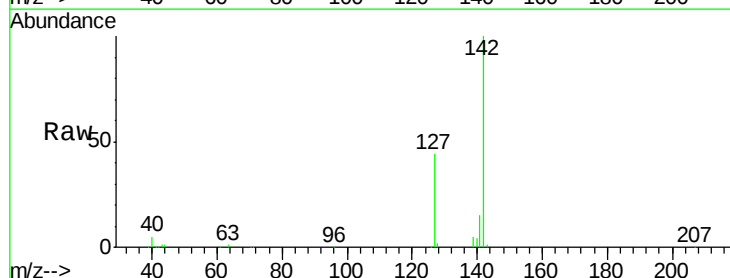
RT: 4.30 min Scan# 404

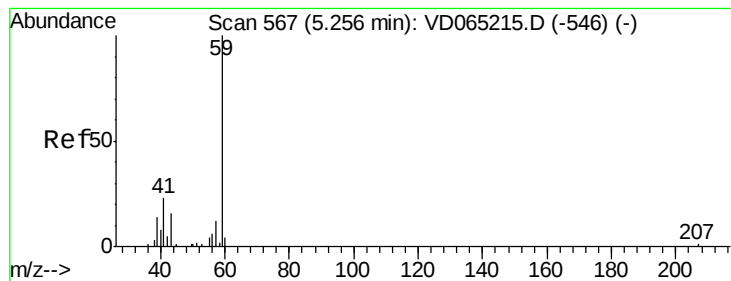
Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	142	Resp:	253684
Ion Ratio	Lower	Upper	
142	100		
127	43.9	33.8	50.8
141	14.6	11.7	17.5





#11

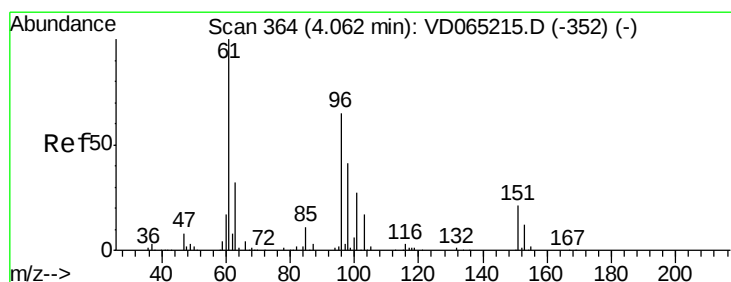
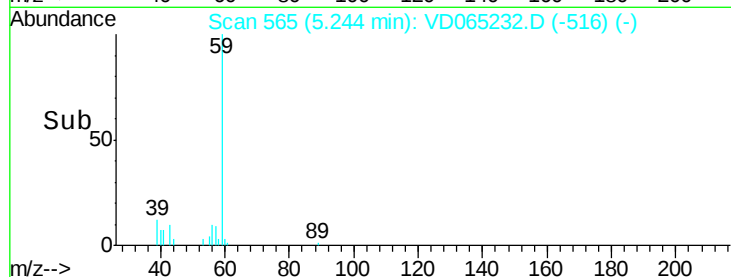
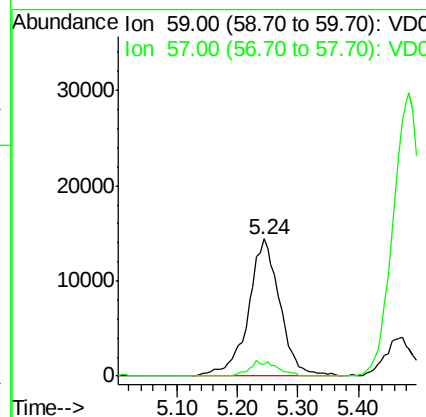
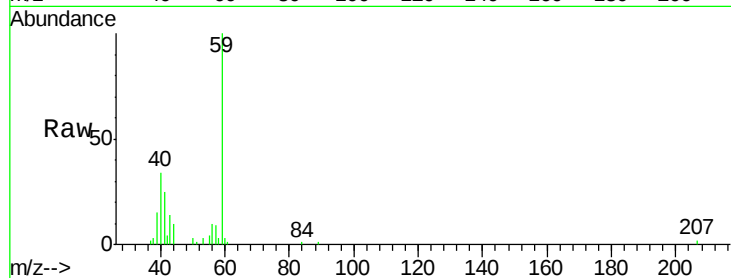
Tert butyl alcohol
Concen: 200.568 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 52387
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

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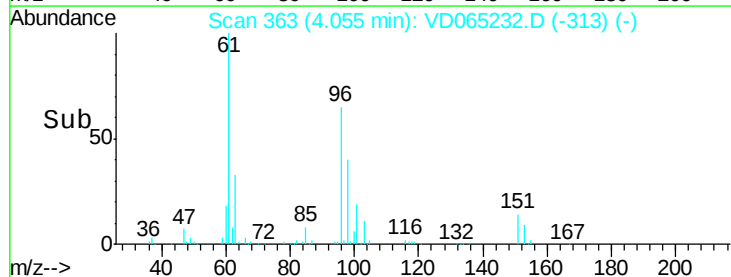
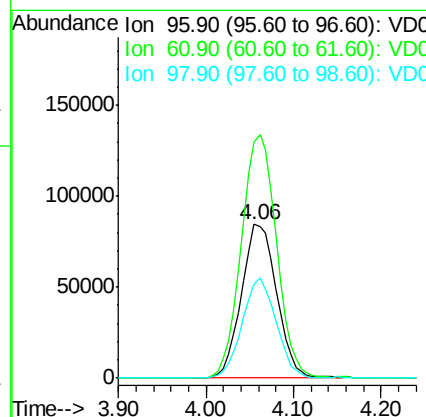
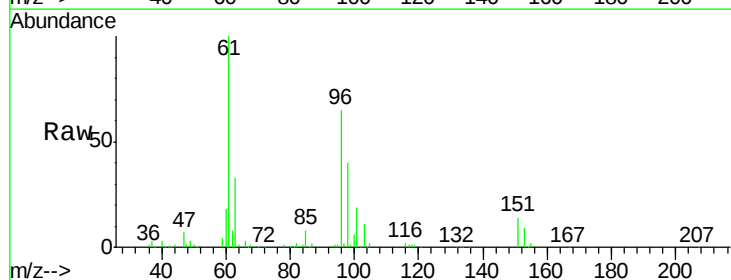
MMDadoda
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#12

1,1-Dichloroethene
Concen: 51.371 ug/l
RT: 4.06 min Scan# 363
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 96 Resp: 231415
Ion Ratio Lower Upper
96 100
61 153.5 123.3 184.9
98 60.7 51.0 76.4





#13

Acrolein

Concen: 286.533 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 90306

Ion Ratio Lower Upper

56 100

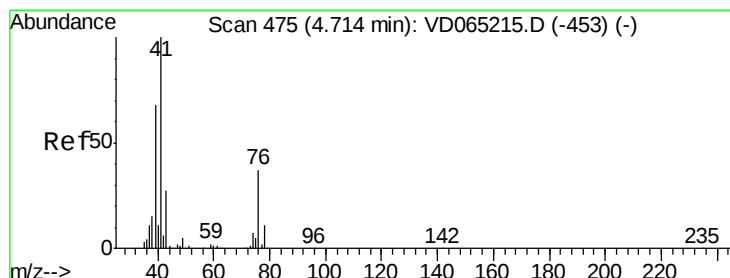
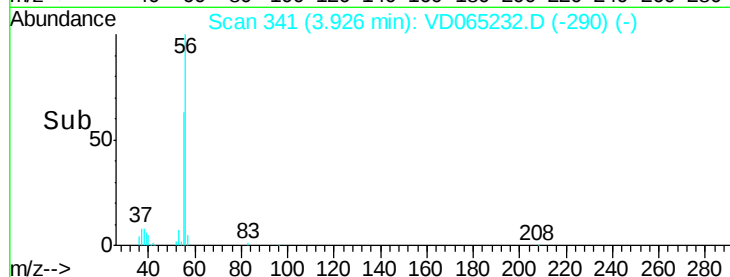
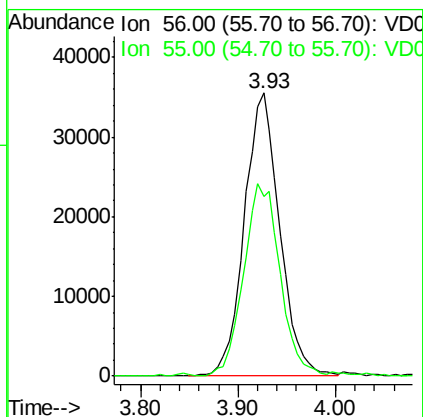
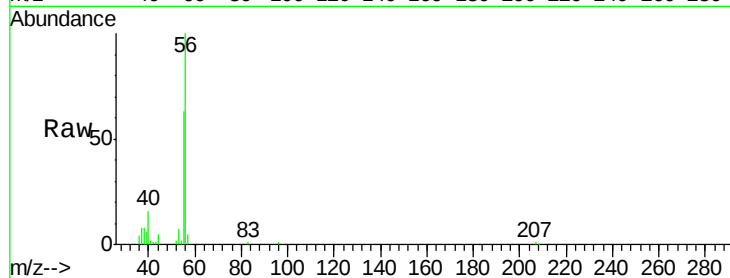
55 70.0 56.6 85.0

Manual Integrations

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#14

Allyl chloride

Concen: 50.936 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

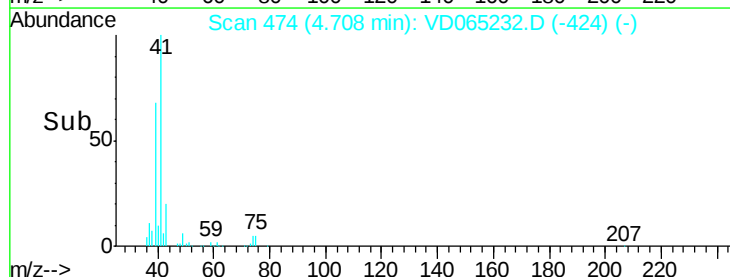
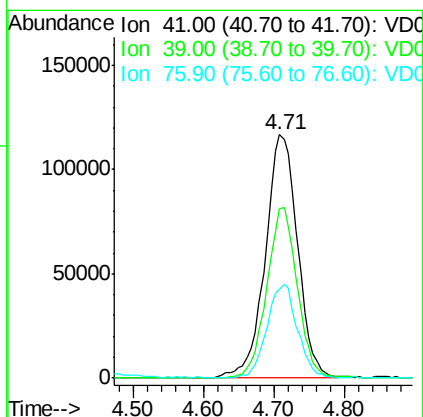
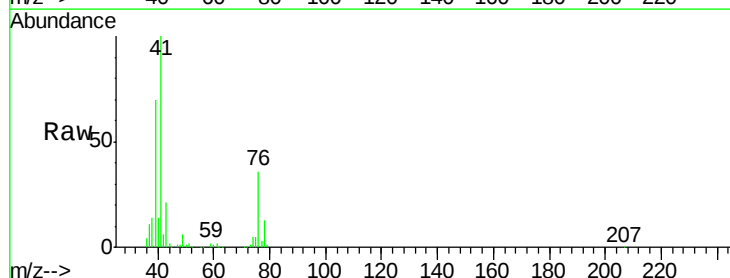
Tgt Ion: 41 Resp: 372612

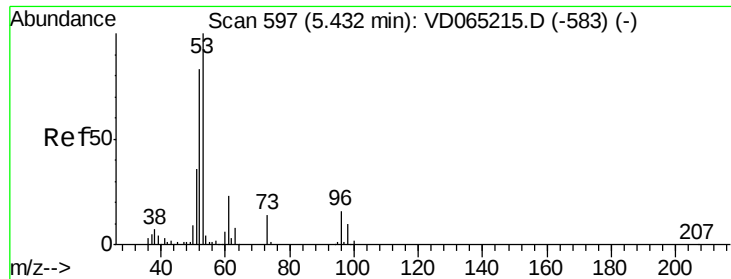
Ion Ratio Lower Upper

41 100

39 66.5 53.8 80.6

76 36.1 28.7 43.1





#15

Acrylonitrile

Concen: 230.414 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

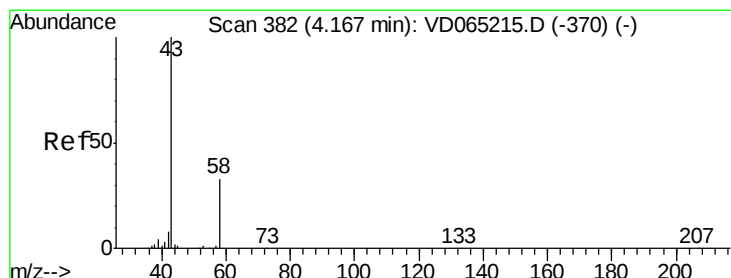
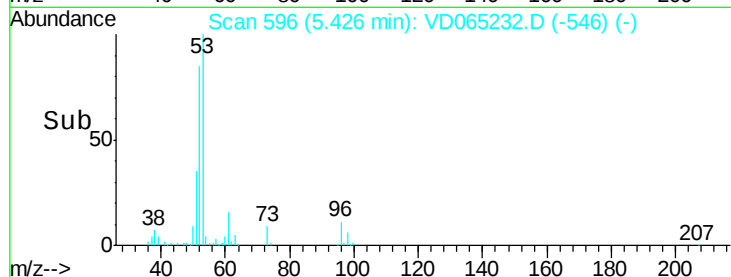
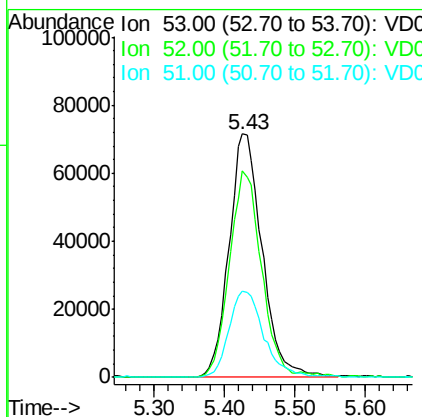
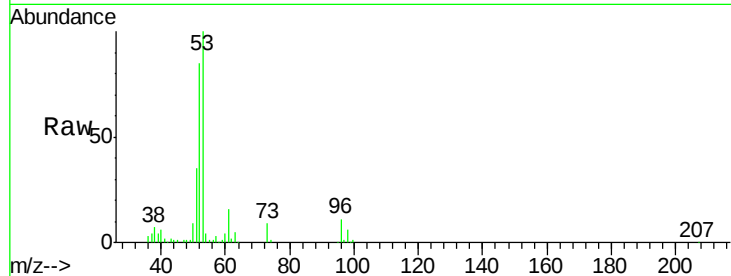
ClientSampleId :

VSTDCCC050

Tot Ion	53	Resp	232529
Ion Ratio	Lower	Upper	
53	100		
52	83.2	65.4	98.2
51	37.6	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 245.507 ug/l

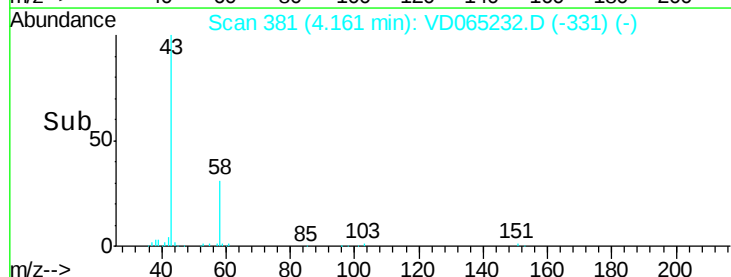
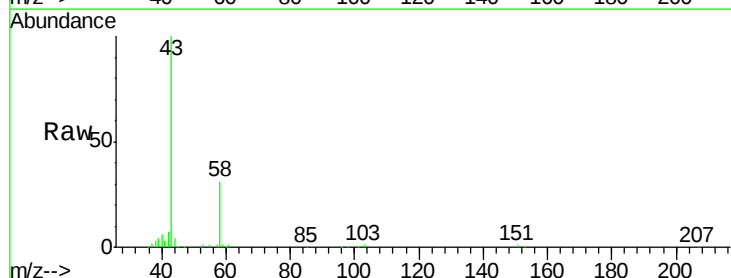
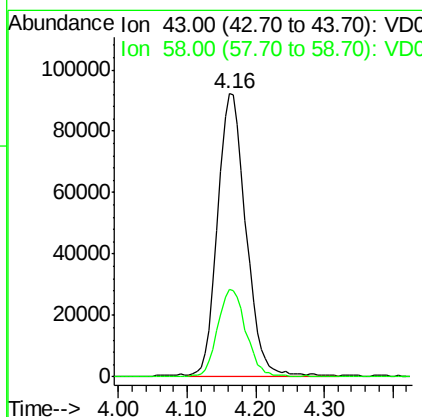
RT: 4.16 min Scan# 381

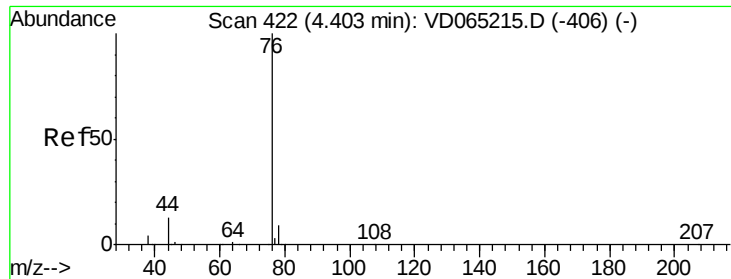
Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion	43	Resp	262319
Ion Ratio	Lower	Upper	
43	100		
58	30.9	26.2	39.2





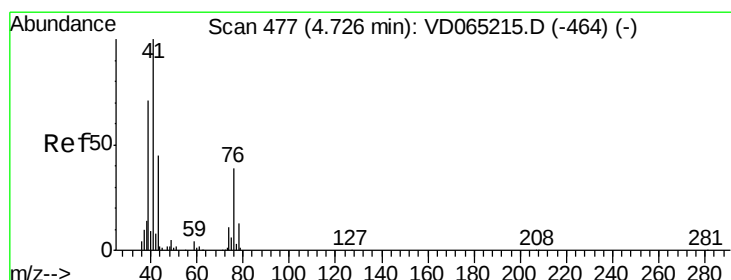
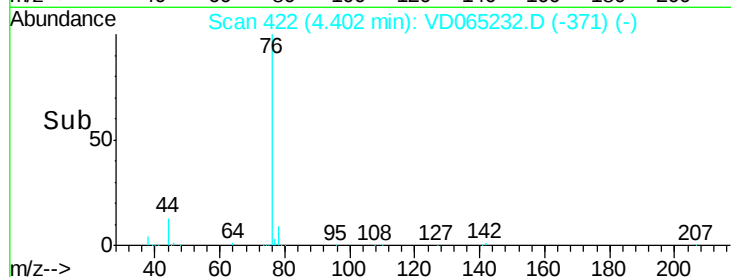
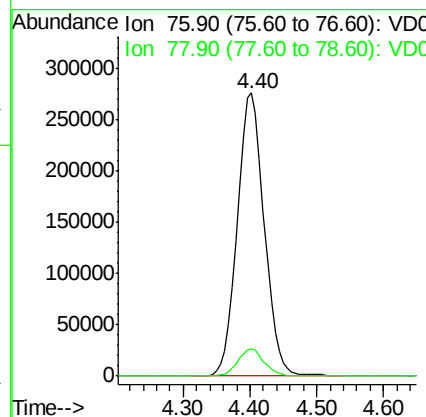
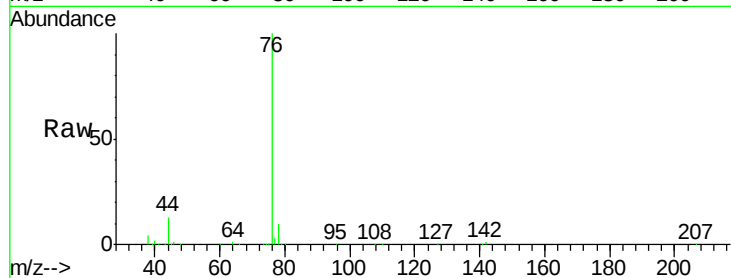
#17
Carbon Disulfide
Concen: 51.332 ug/l
RT: 4.40 min Scan# 422
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.6

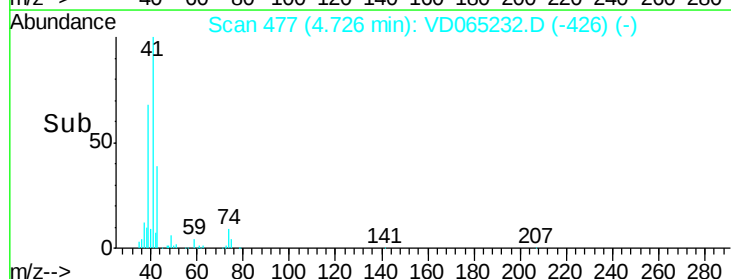
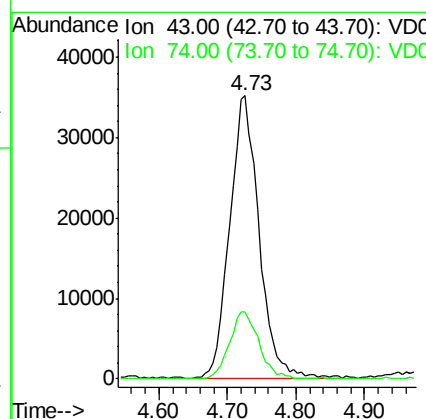
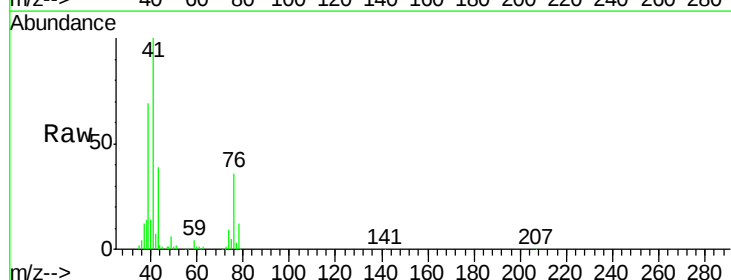
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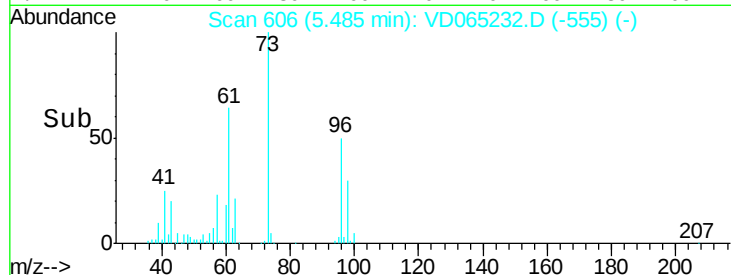
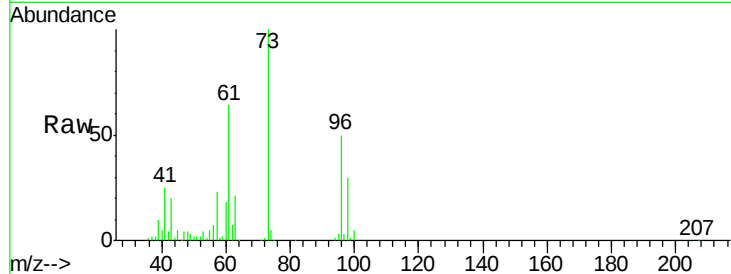
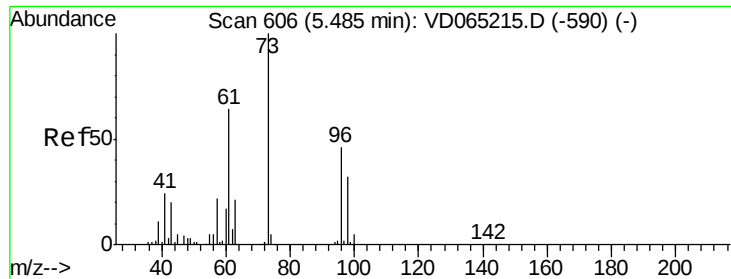
MMDadoda
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#18
Methyl Acetate
Concen: 43.758 ug/l
RT: 4.73 min Scan# 477
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.4	29.2





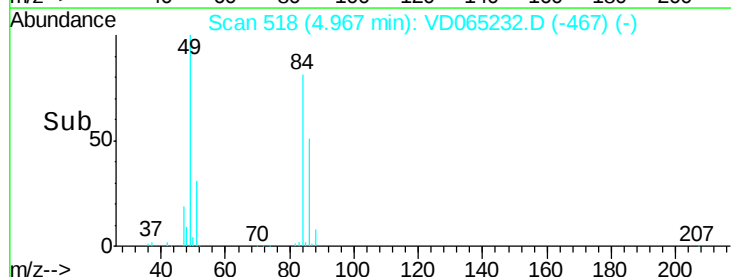
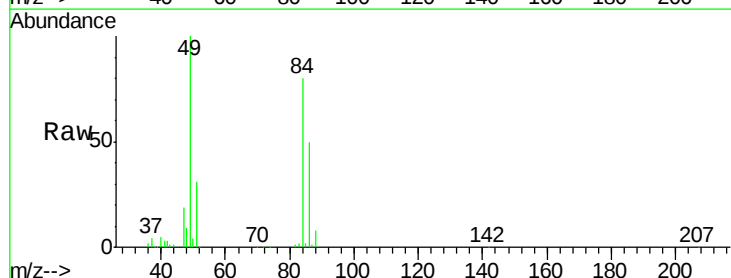
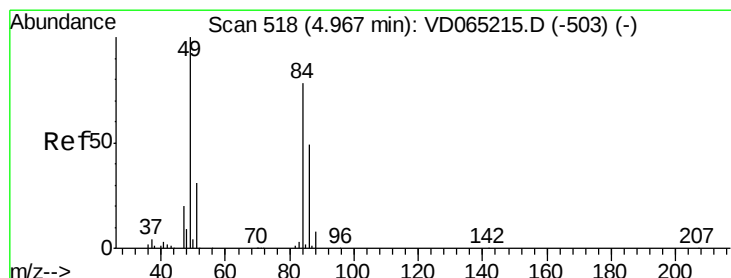
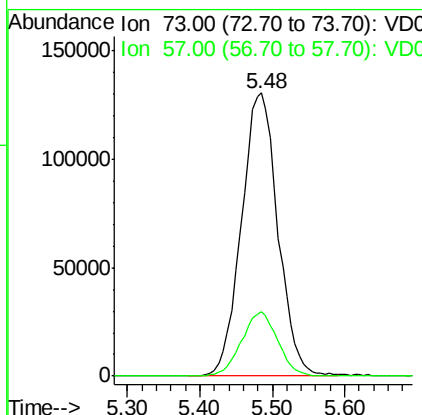
#19
Methyl tert-butyl Ether
Concen: 48.578 ug/l
RT: 5.48 min Scan# 606
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tot Ion: 73 Resp: 456340
Ion Ratio Lower Upper
73 100
57 22.8 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

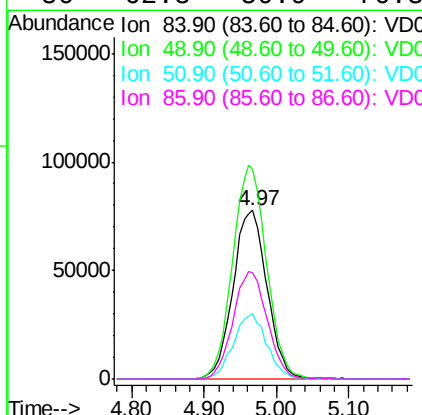
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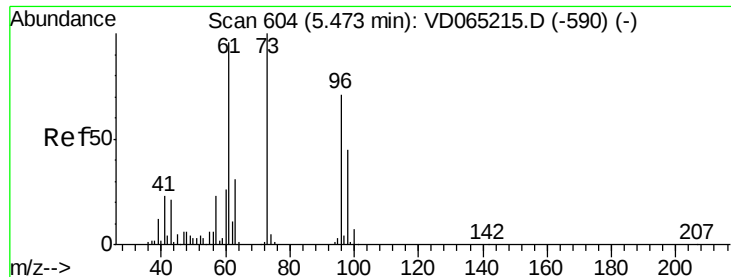
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2/21/2020 5:25:35 PM



#20
Methylene Chloride
Concen: 53.578 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 84 Resp: 253283
Ion Ratio Lower Upper
84 100
49 124.8 103.1 154.7
51 38.7 31.7 47.5
86 62.8 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.117 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

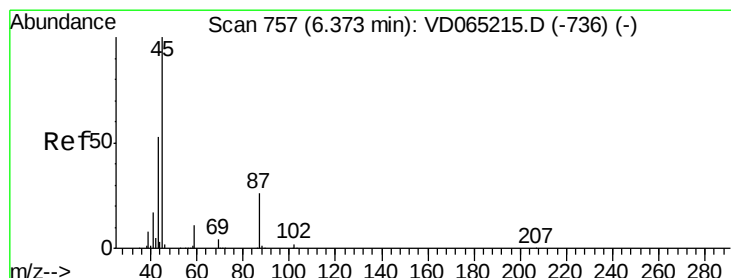
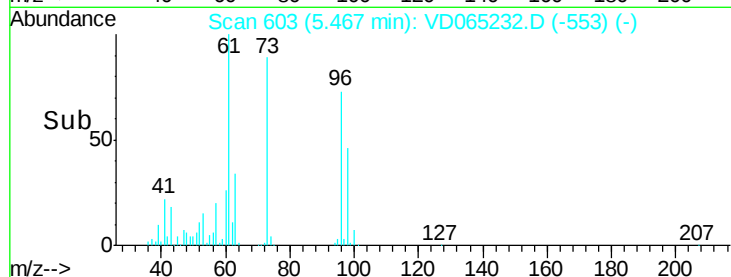
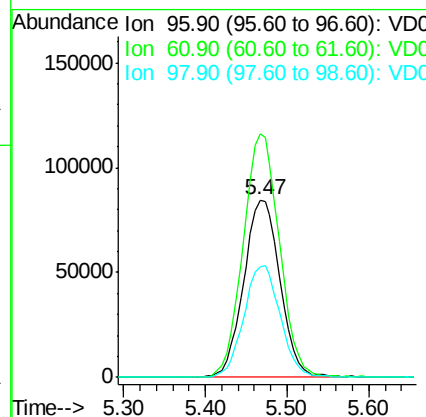
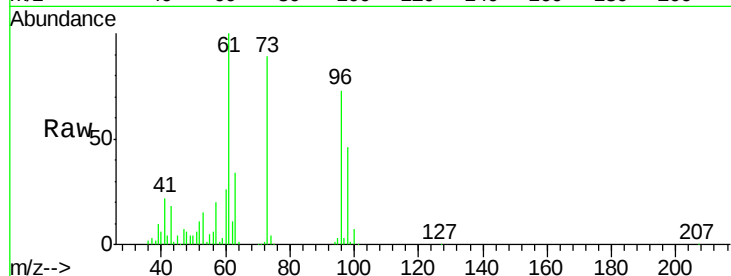
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	261778
Ion	Ratio	Lower	Upper
96	100		
61	137.2	108.3	162.5
98	62.4	50.7	76.1

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#22

Diisopropyl ether

Concen: 51.355 ug/l

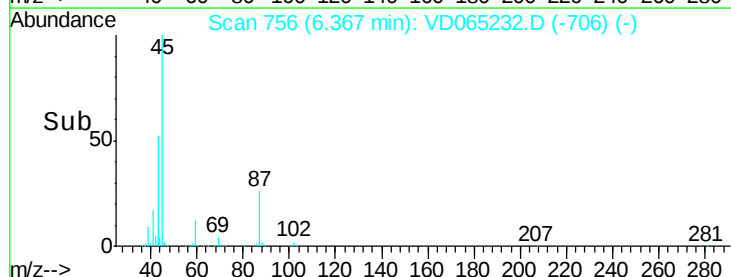
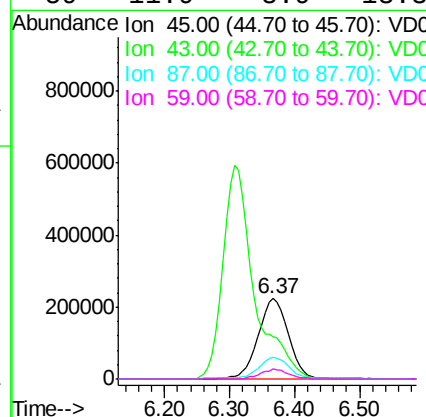
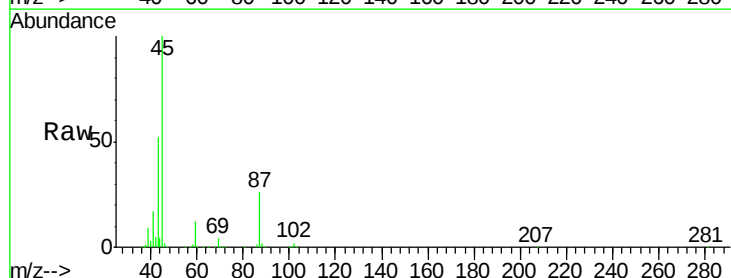
RT: 6.37 min Scan# 756

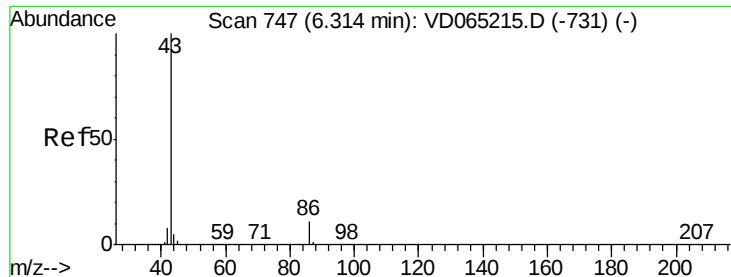
Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	45	Resp:	724229
Ion	Ratio	Lower	Upper
45	100		
43	51.7	42.6	64.0
87	26.3	21.2	31.8
59	11.9	8.9	13.3





#23

Vinyl Acetate

Concen: 254.603 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1979431

Ion Ratio Lower Upper

43 100

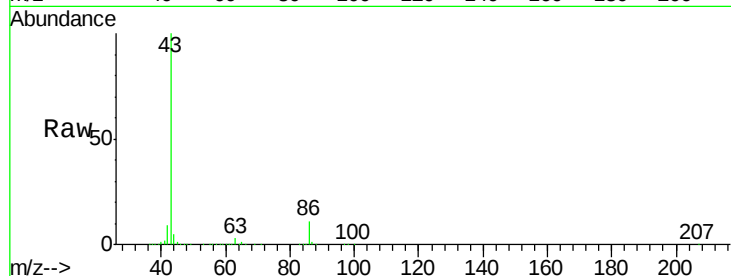
86 10.7 8.6 12.8

Manual Integrations

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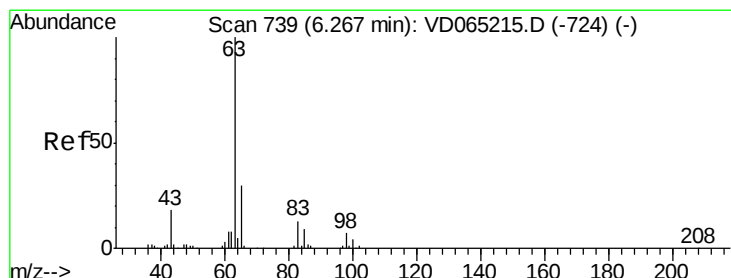
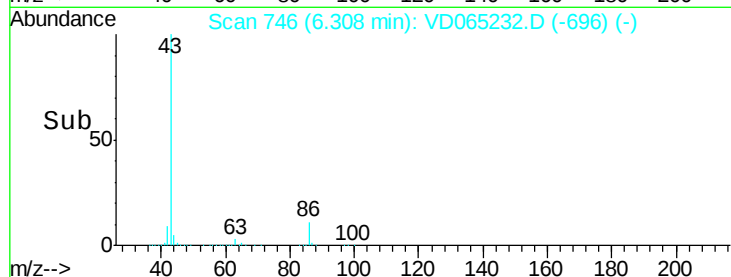
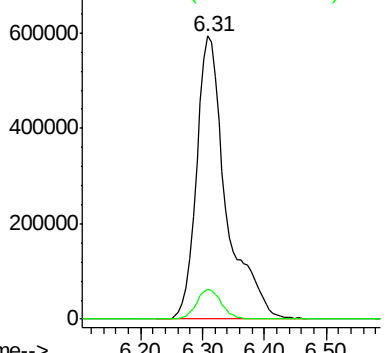
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 50.015 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

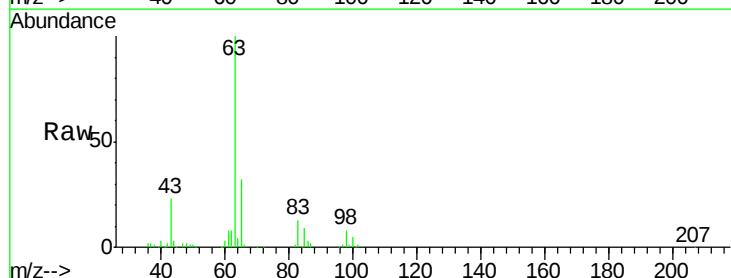
Tgt Ion: 63 Resp: 437493

Ion Ratio Lower Upper

63 100

98 8.0 3.4 10.1

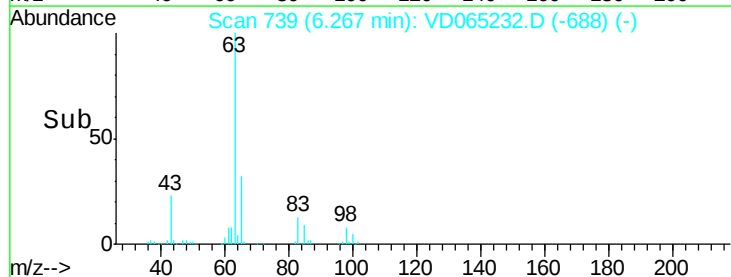
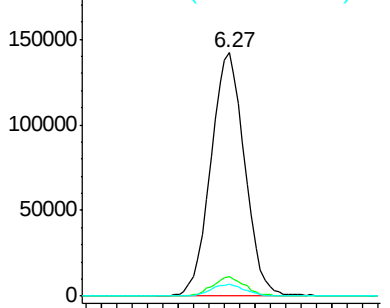
100 4.8 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC





#25

2-Butanone

Concen: 229.944 ug/l

RT: 7.22 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 310852

Ion Ratio Lower Upper

43 100

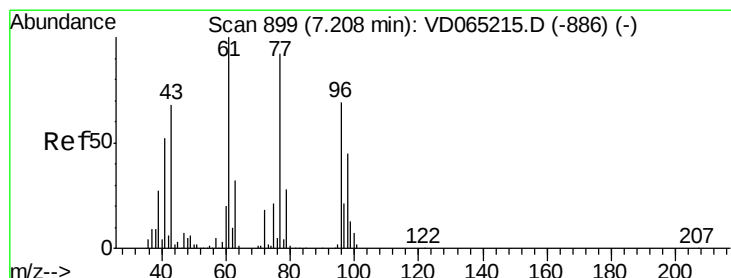
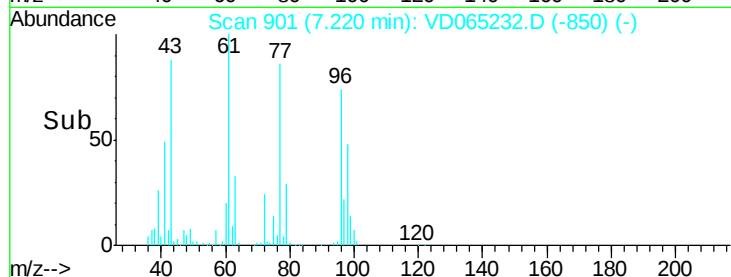
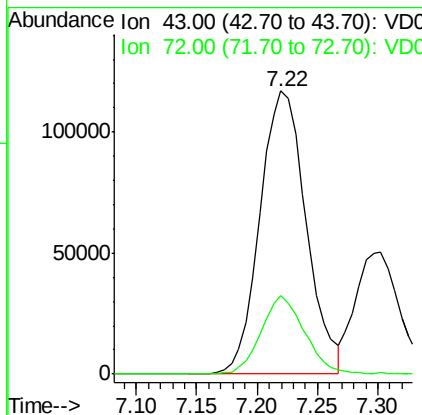
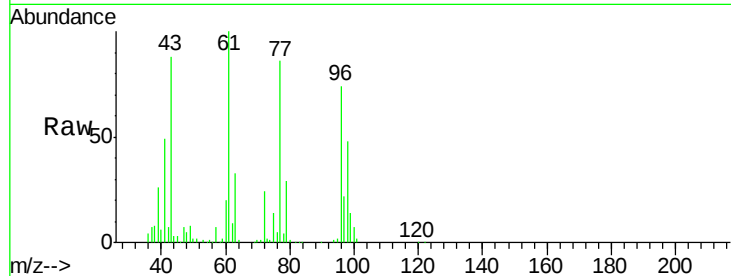
72 27.6 20.9 31.3

Manual Integrations

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2/21/2020 5:25:35 PM



#26

2,2-Dichloropropane

Concen: 51.081 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.00 min

Lab File: VD065232.D

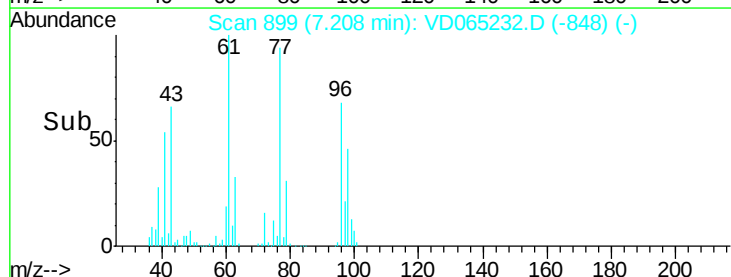
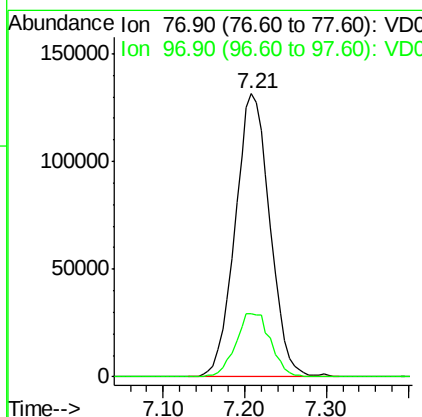
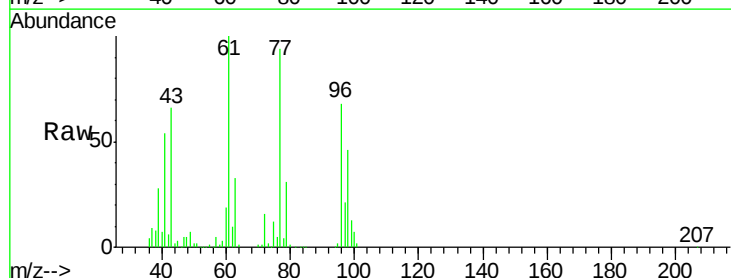
Acq: 19 Feb 2020 11:49

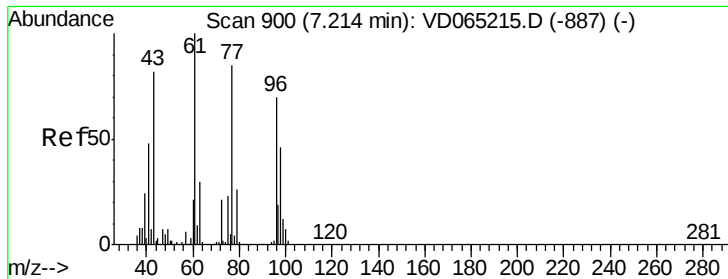
Tgt Ion: 77 Resp: 387669

Ion Ratio Lower Upper

77 100

97 22.6 11.7 35.1





#27

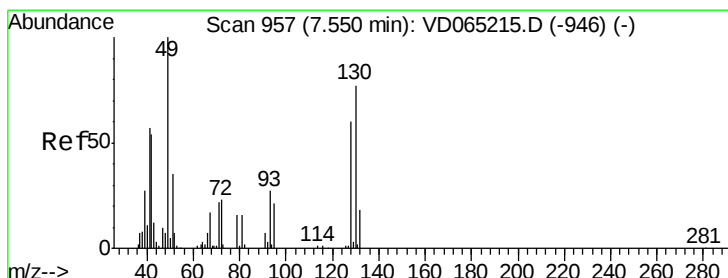
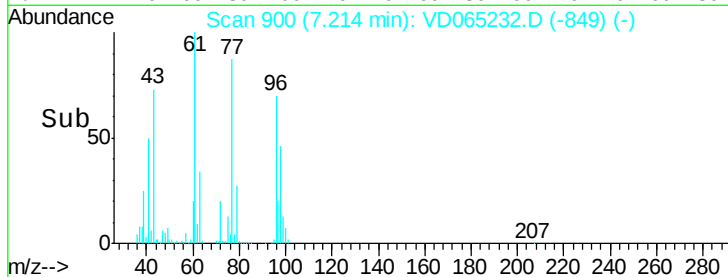
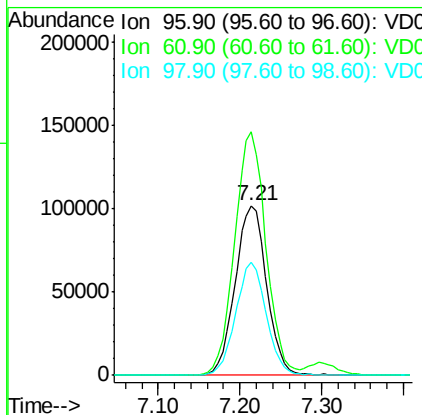
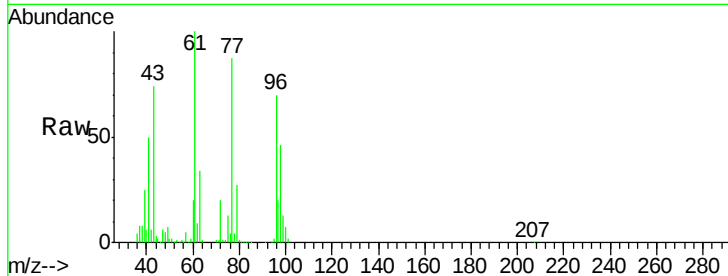
cis-1,2-Dichloroethene
 Concen: 50.308 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	272900		
61	142.6		0.0	286.0
98	64.4		0.0	127.8

Manual Integrations
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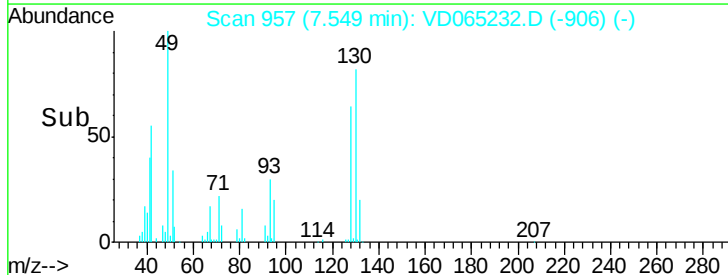
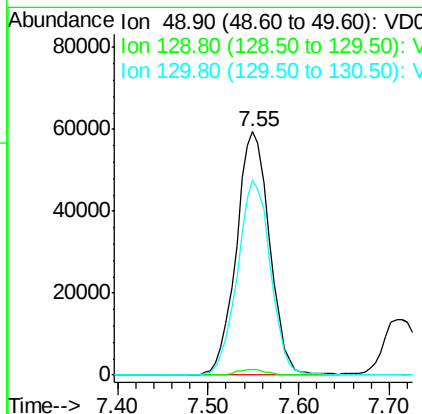
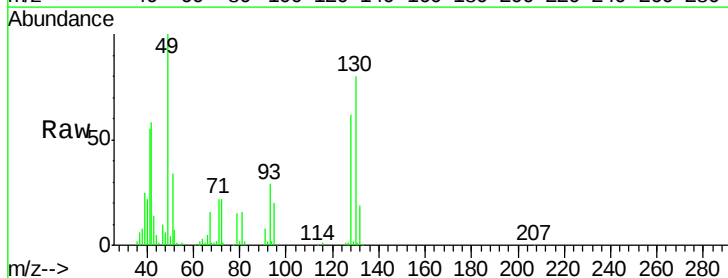
MMDadoda
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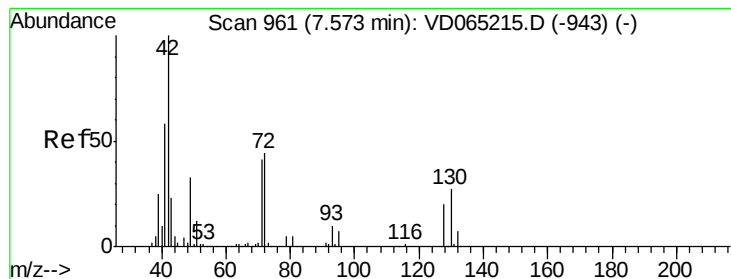


#28

Bromochloromethane
 Concen: 46.838 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	151996		
129	2.1		0.0	4.6
130	79.0		64.7	97.1





#29

Tetrahydrofuran

Concen: 231.188 ug/l

RT: 7.57 min Scan# 960

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

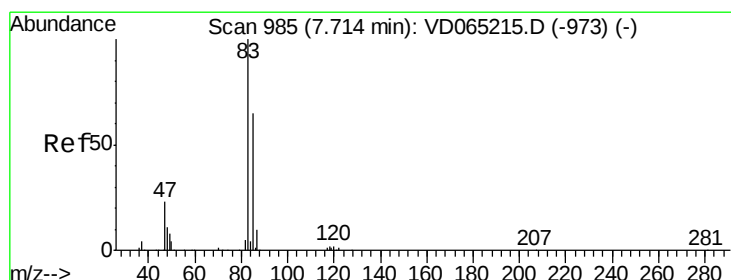
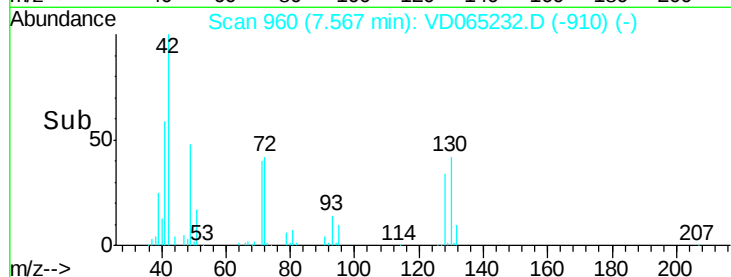
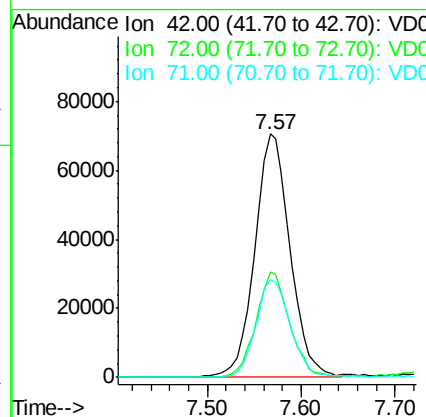
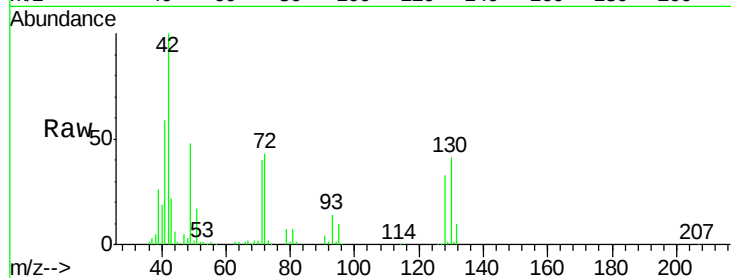
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	183121
Ion Ratio		Lower	Upper
42	100		
72	41.3	33.7	50.5
71	39.2	31.4	47.2

Manual Integrations
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#30

Chloroform

Concen: 50.496 ug/l

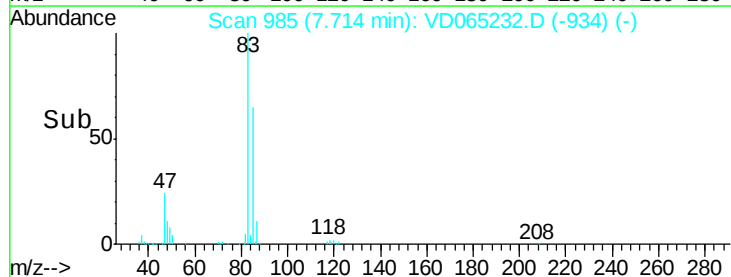
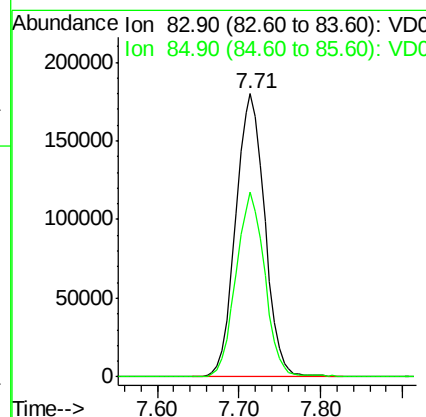
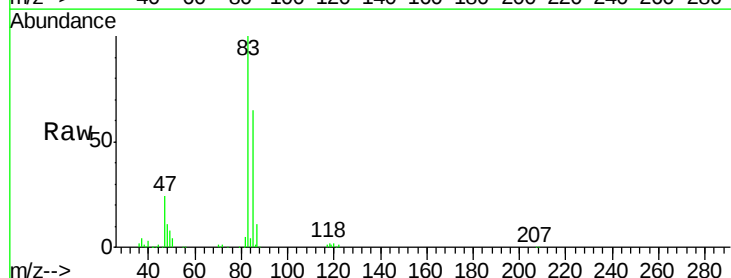
RT: 7.71 min Scan# 985

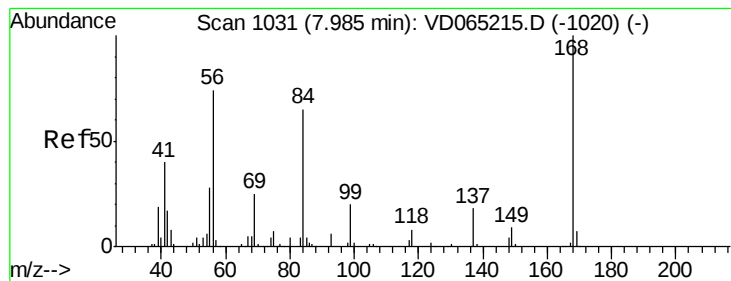
Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	83	Resp:	445002
Ion Ratio		Lower	Upper
83	100		
85	65.4	52.3	78.5





#31

Cyclohexane

Concen: 49.607 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 426338

Ion Ratio Lower Upper

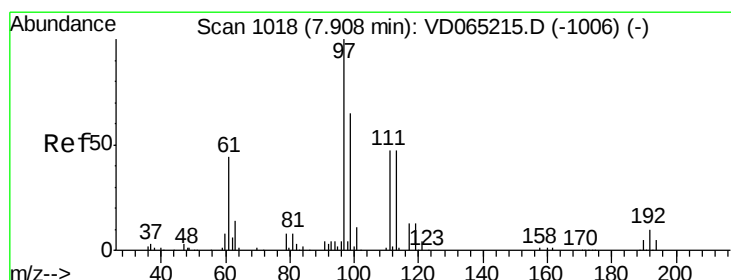
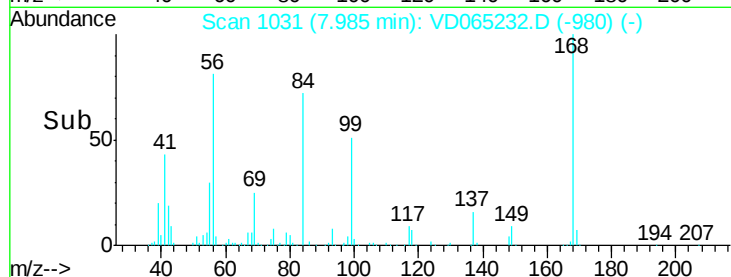
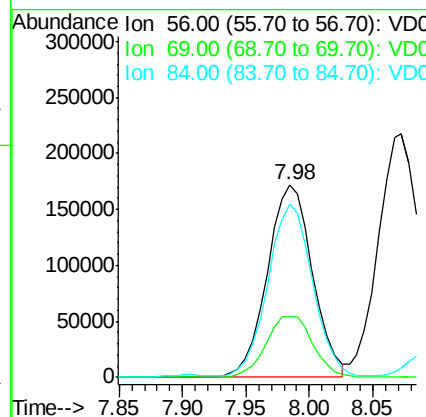
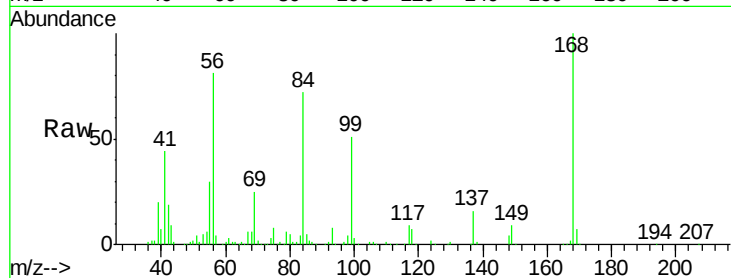
56 100

69 31.3 27.4 41.0

84 88.6 71.1 106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 50.944 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

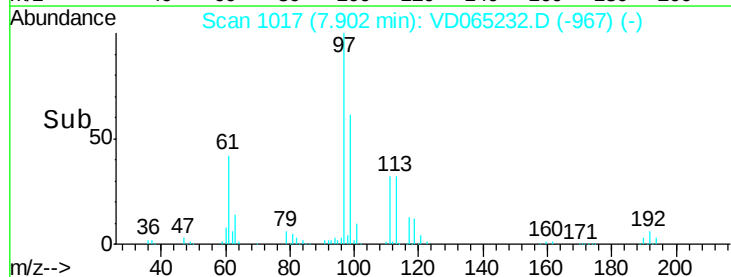
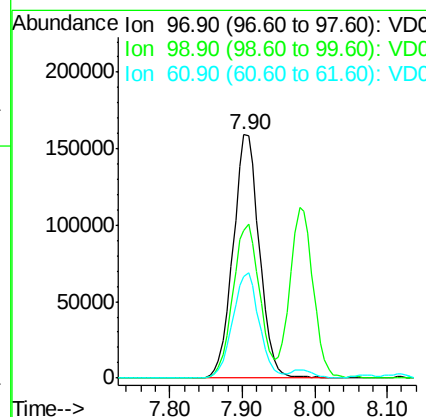
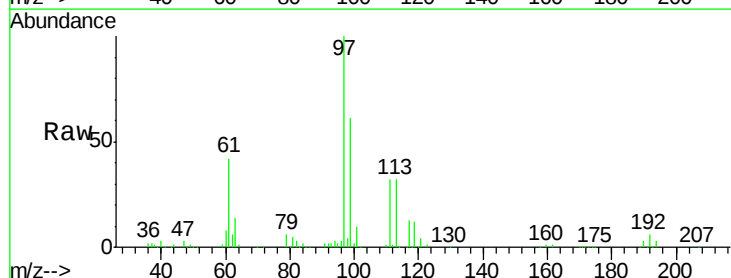
Tgt Ion: 97 Resp: 401681

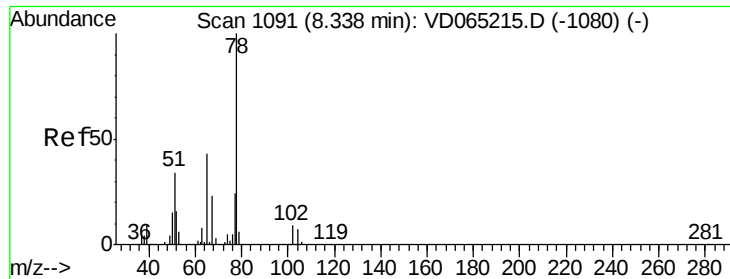
Ion Ratio Lower Upper

97 100

99 63.7 51.4 77.2

61 43.6 34.8 52.2





#33

1,2-Dichloroethane-d4

Concen: 45.871 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 200503

Ion Ratio Lower Upper

65 100

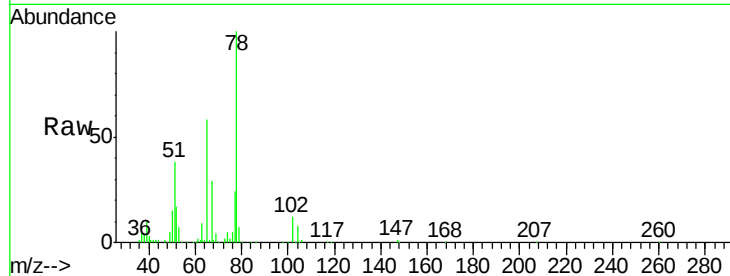
67 52.5 0.0 106.8

Manual Integrations

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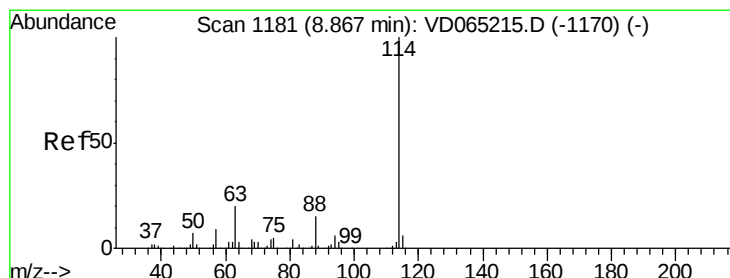
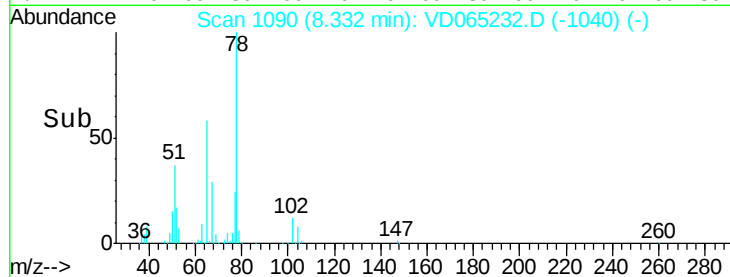
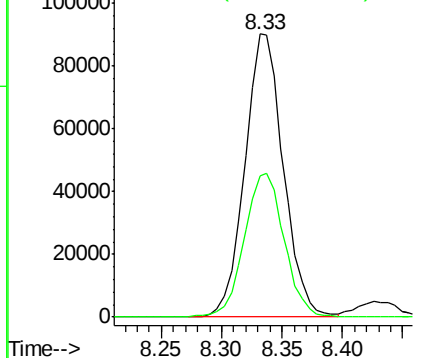
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Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

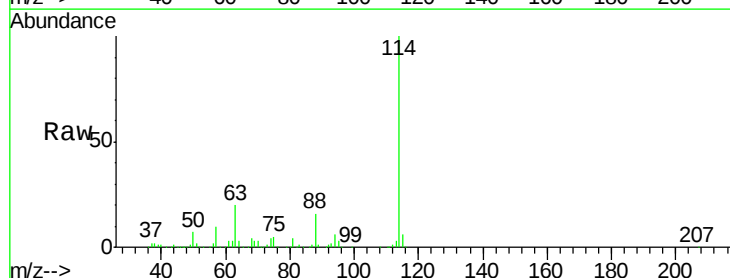
Tgt Ion: 114 Resp: 699836

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

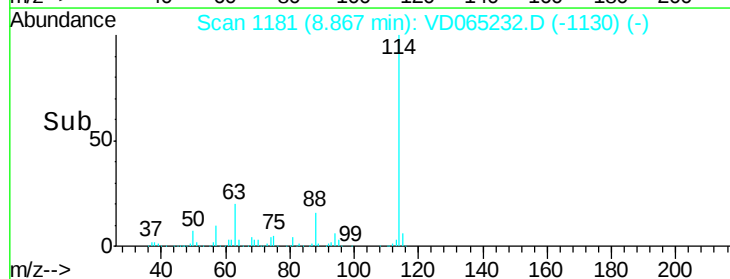
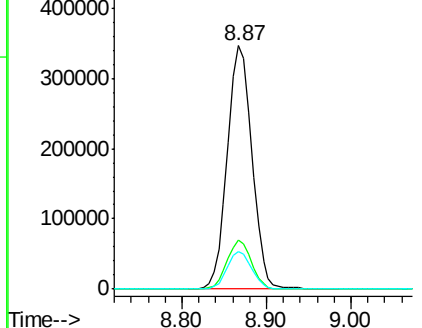
88 15.5 0.0 30.4

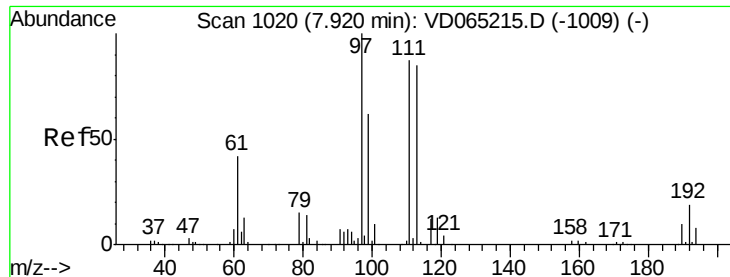


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





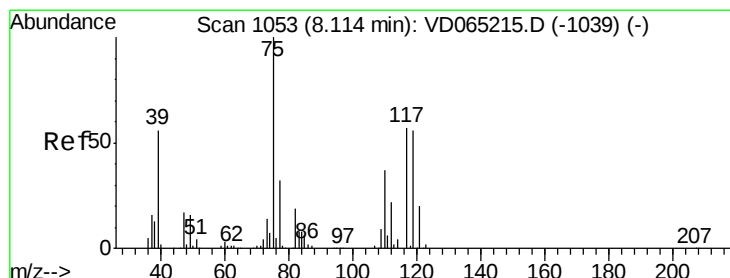
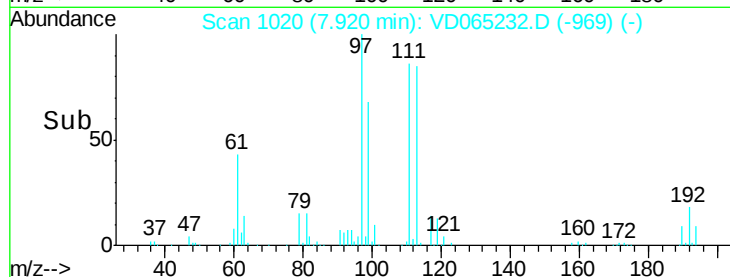
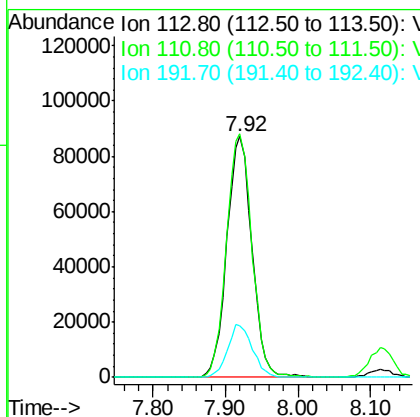
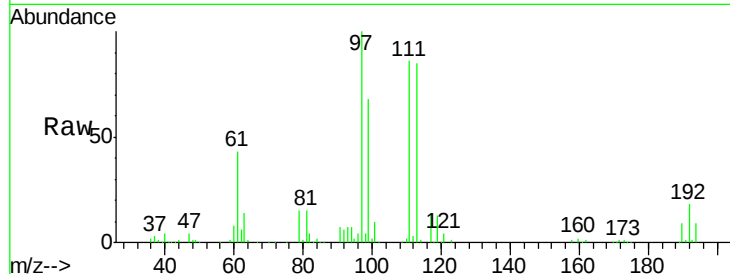
#35
Dibromofluoromethane
Concen: 49.131 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	209651		
111	102.3	82.9	124.3	
192	21.5	17.3	25.9	

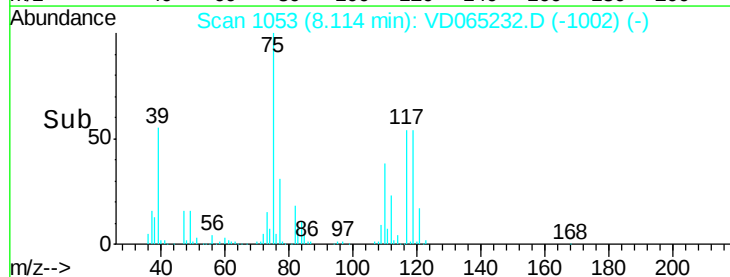
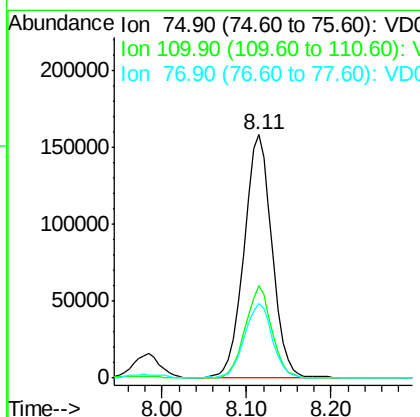
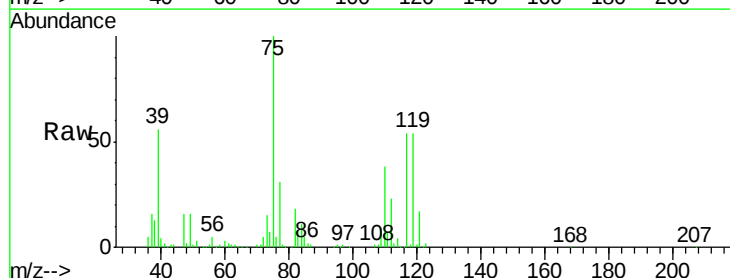
Manual Integrations
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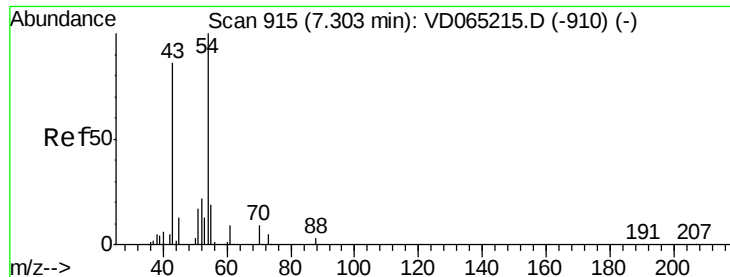
MMDadoda
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#36
1,1-Dichloropropene
Concen: 53.570 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	364782		
110	36.0	17.9	53.7	
77	31.0	25.1	37.7	





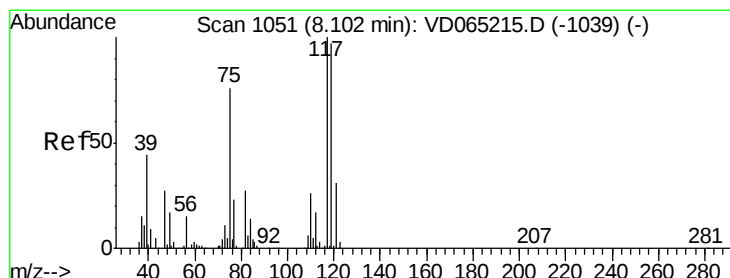
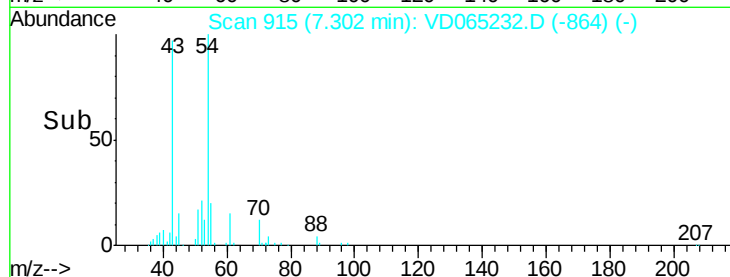
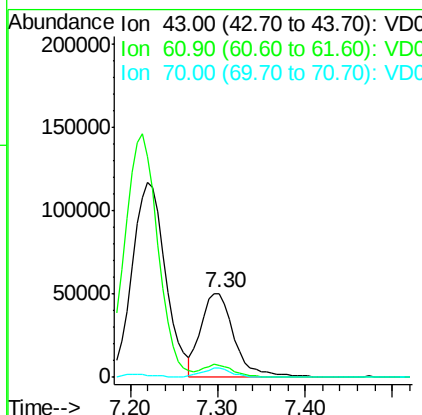
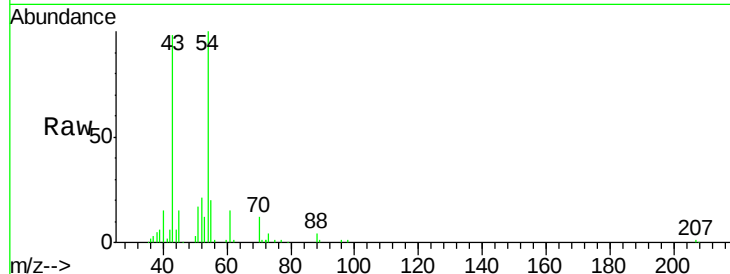
#37
Ethyl Acetate
Concen: 46.506 ug/l
RT: 7.30 min Scan# 915
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	11.2	16.8
70	10.2	8.2	12.2

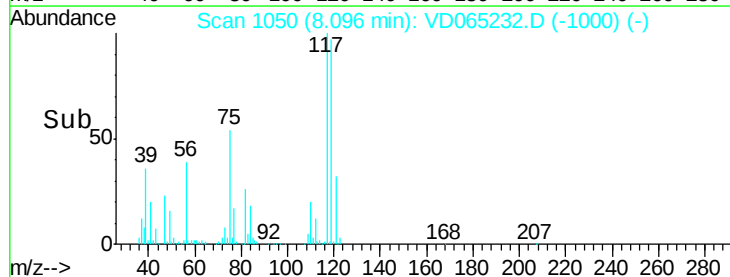
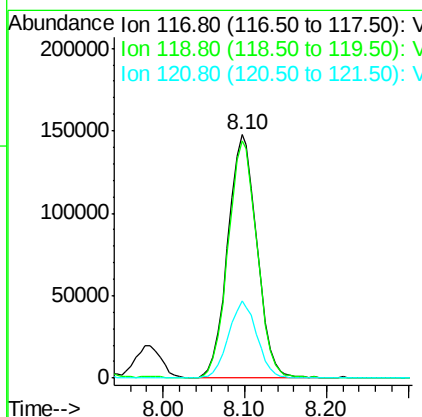
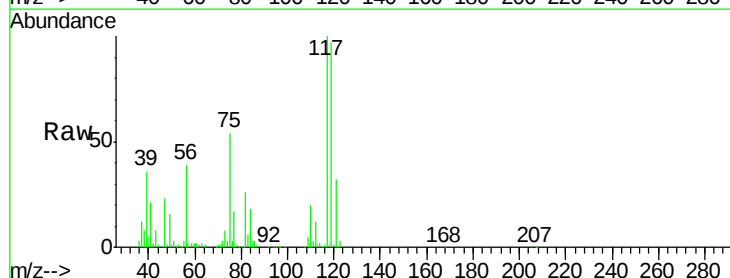
Manual Integrations
APPROVED

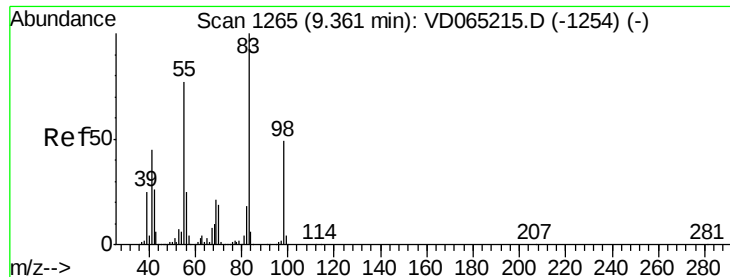
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#38
Carbon Tetrachloride
Concen: 52.667 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.6	116.4
121	31.6	24.8	37.2





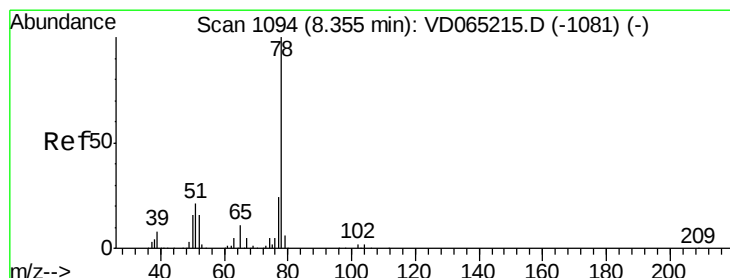
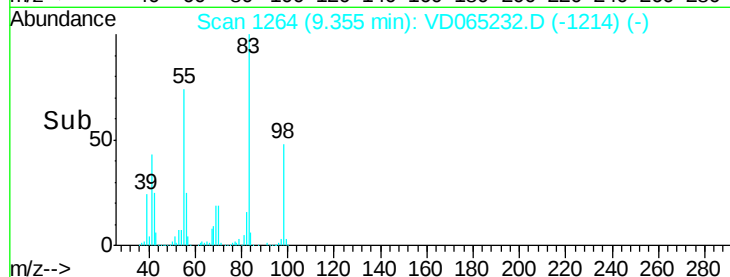
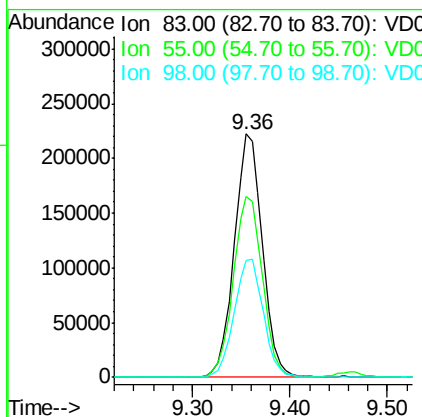
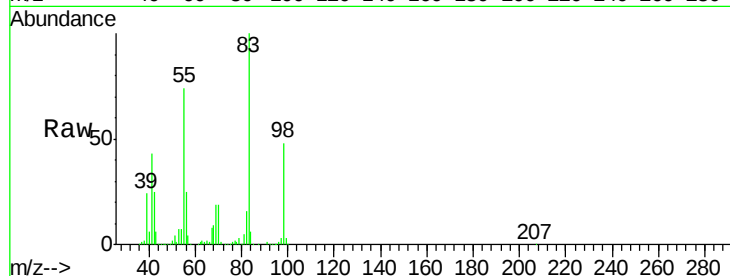
#39
Methvlcvclohexane
Concen: 55.720 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	74.4	61.8	92.6
98	48.0	39.4	59.0

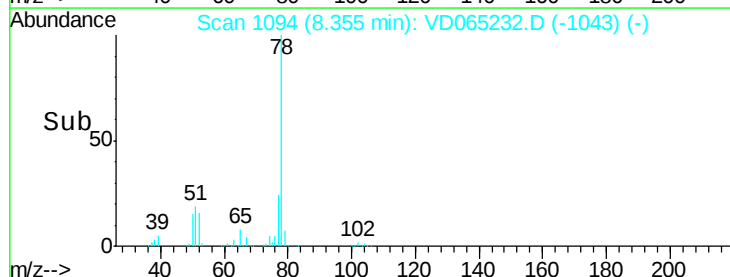
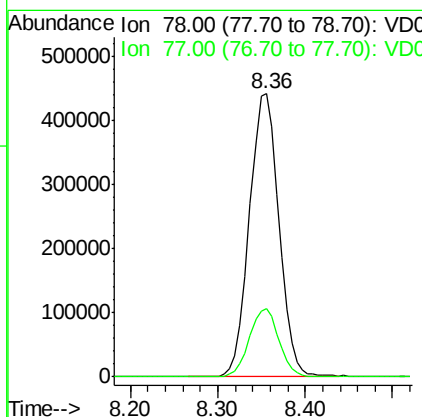
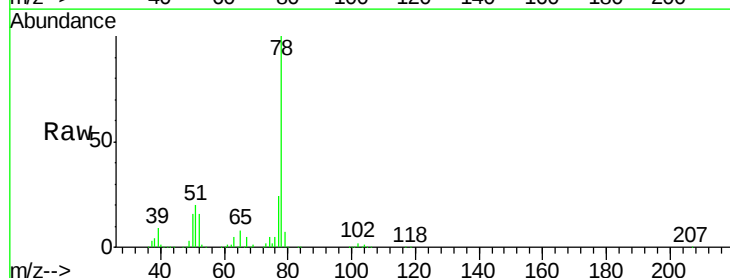
Manual Integrations
APPROVED

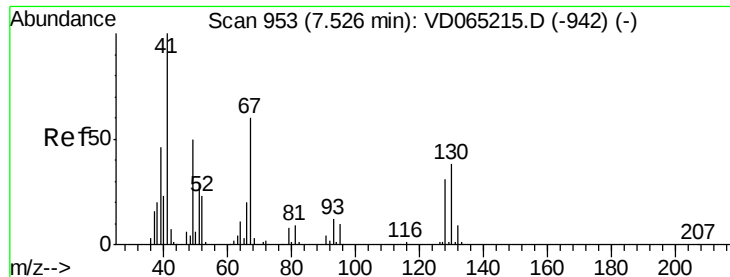
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#40
Benzene
Concen: 52.833 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.6





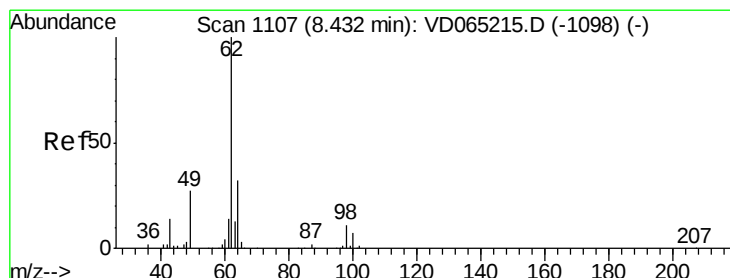
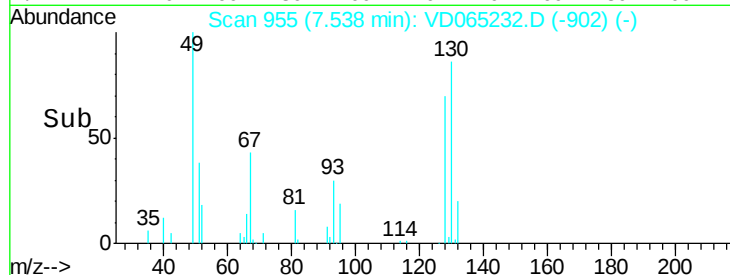
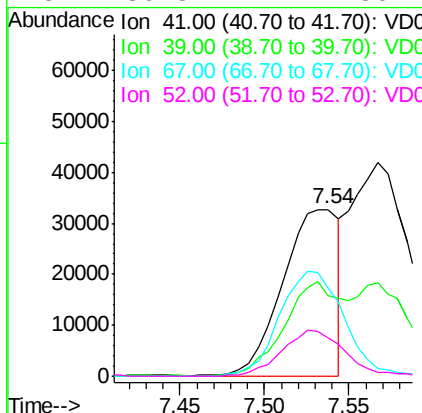
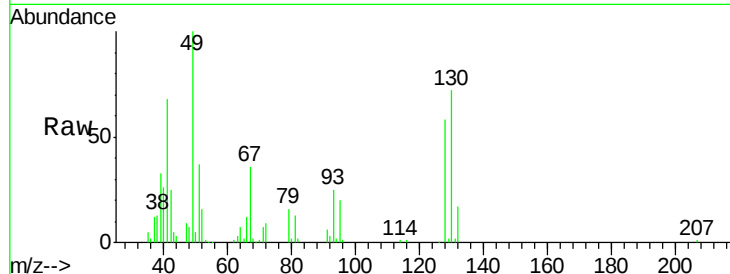
#41
Methacrylonitrile
Concen: 45.886 ug/l
RT: 7.54 min Scan# 955
Delta R.T. 0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	75420
Ion	Ratio	Lower	Upper
41	100		
39	59.5	48.1	72.1
67	72.7	58.9	88.3
52	30.8	24.2	36.2

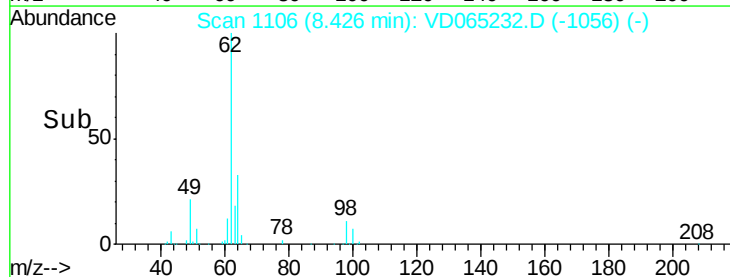
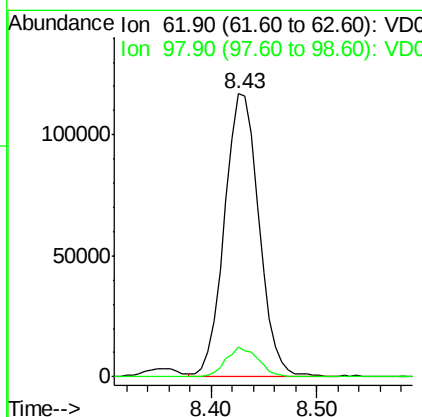
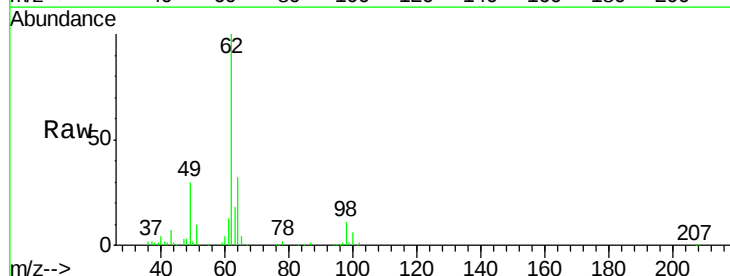
Manual Integrations
APPROVED

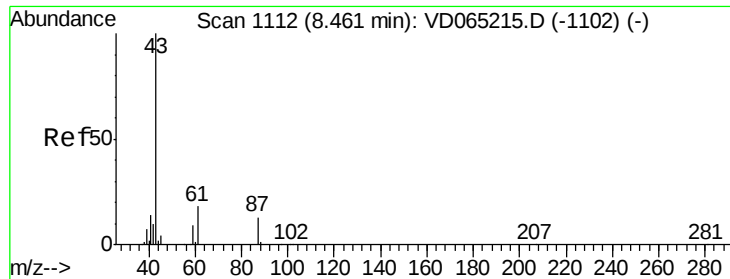
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#42
1,2-Dichloroethane
Concen: 49.950 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	62	Resp	263934
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	20.6





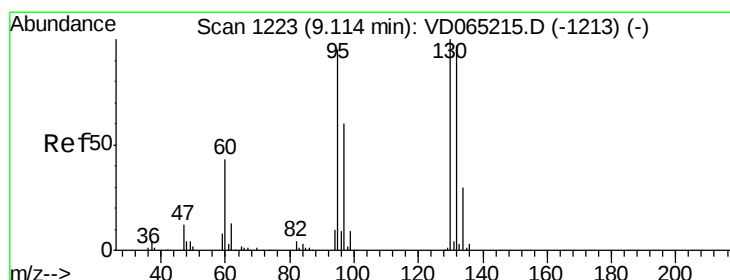
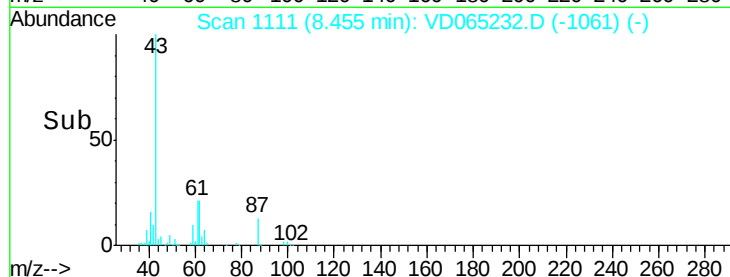
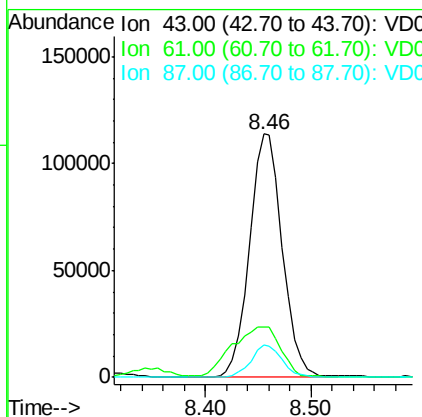
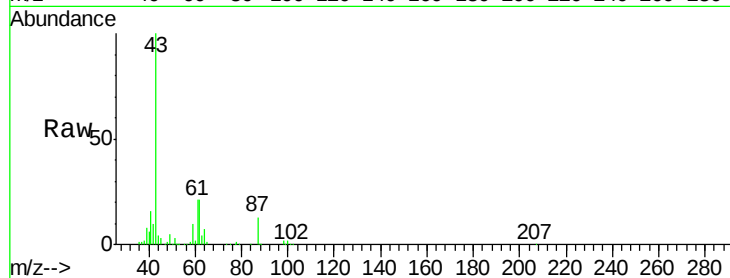
#43
Isopropyl Acetate
Concen: 47.566 ug/l
RT: 8.46 min Scan# 1111
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:	43	Resp:	246229
Ion	Ratio	Lower	Upper
43	100		
61	31.1	24.6	36.8
87	12.6	10.6	16.0

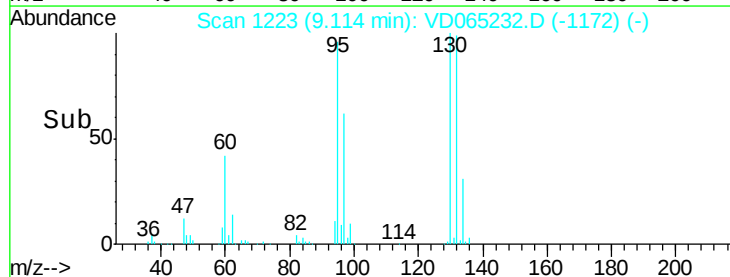
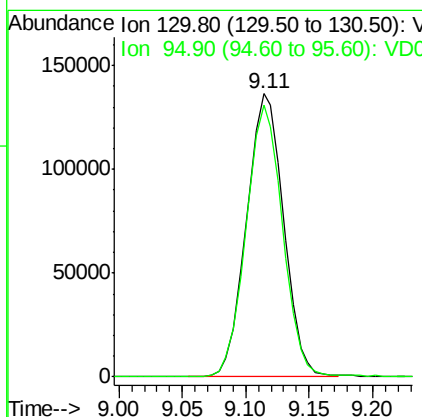
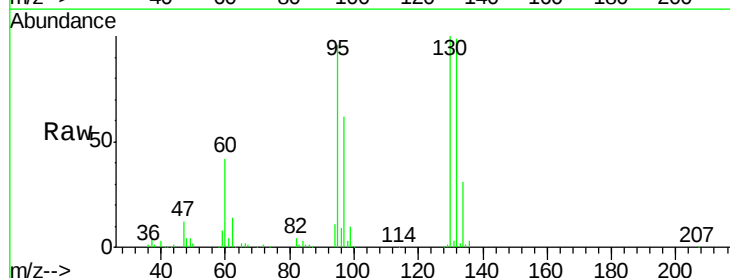
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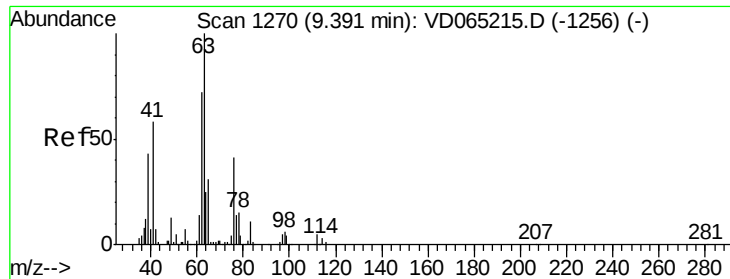
MMDadoda
2/21/2020 5:25:35 PM



#44
Trichloroethene
Concen: 52.125 ug/l
RT: 9.11 min Scan# 1223
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion:	130	Resp:	277709
Ion	Ratio	Lower	Upper
130	100		
95	95.9	0.0	190.6





#45

1,2-Dichloropropane

Concen: 52.211 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 249530

Ion Ratio Lower Upper

63 100

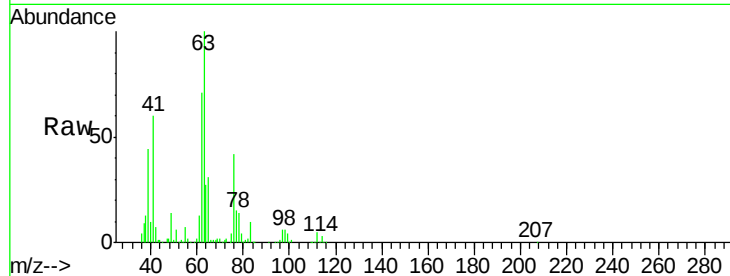
65 31.4 24.9 37.3

Manual Integrations

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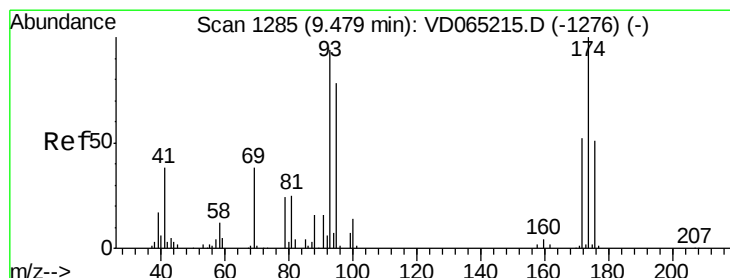
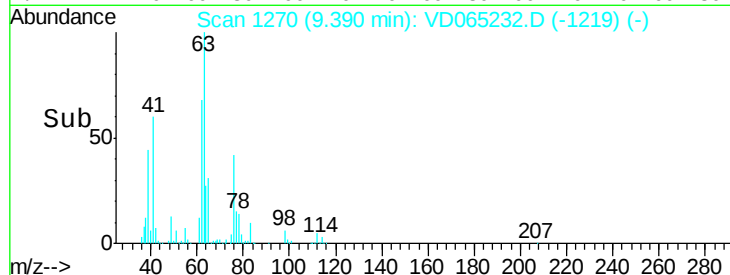
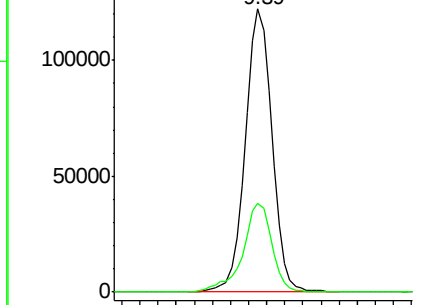
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Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 49.551 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

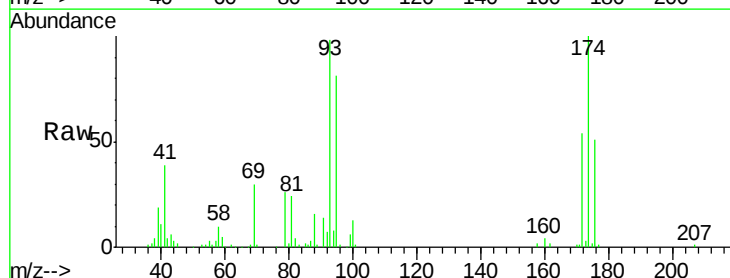
Tgt Ion: 93 Resp: 121848

Ion Ratio Lower Upper

93 100

95 85.0 65.8 98.6

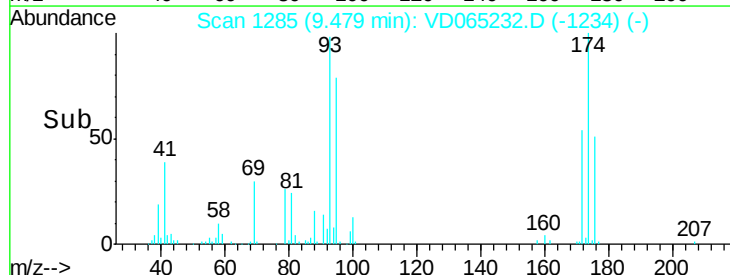
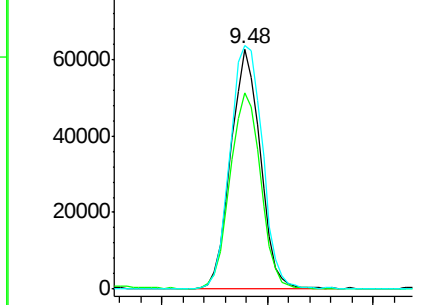
174 110.9 86.8 130.2

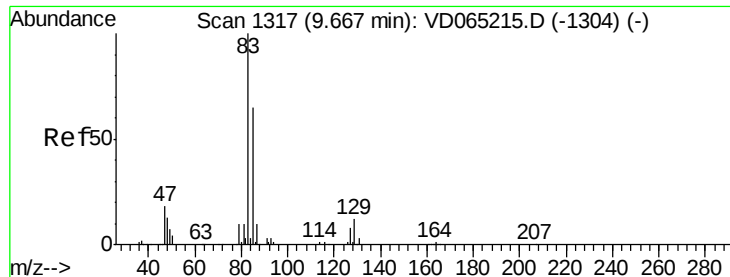


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): VDC





#47

Bromodichloromethane

Concen: 51.619 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

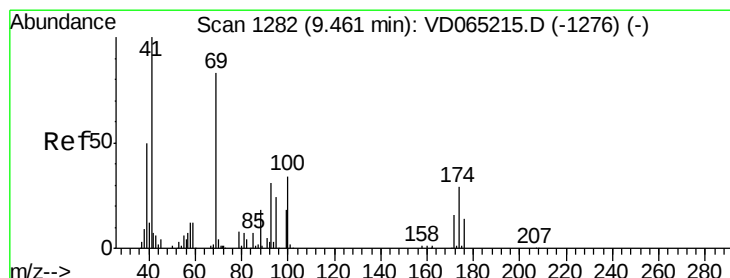
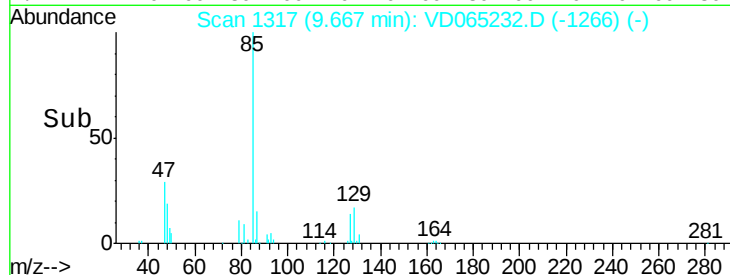
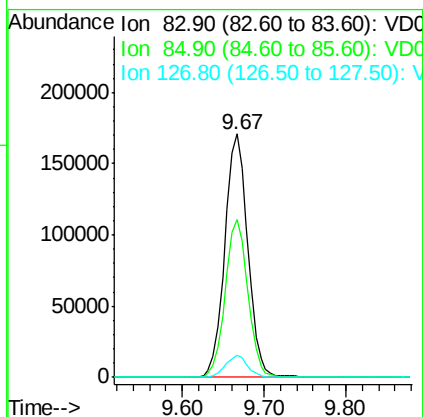
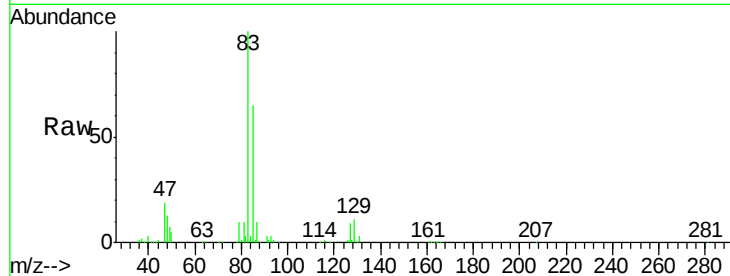
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	334511
Ion Ratio	Lower	Upper	
83	100		
85	65.1	52.0	78.0
127	9.3	6.7	10.1

Manual Integrations
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#48

Methyl methacrylate

Concen: 55.108 ug/l

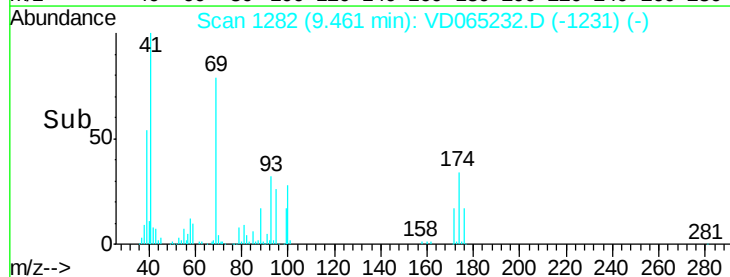
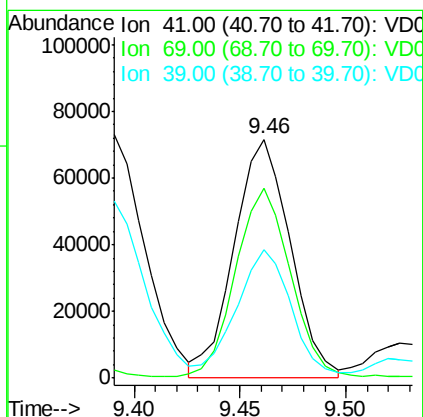
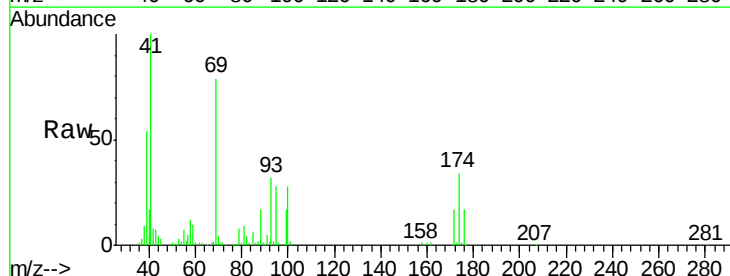
RT: 9.46 min Scan# 1282

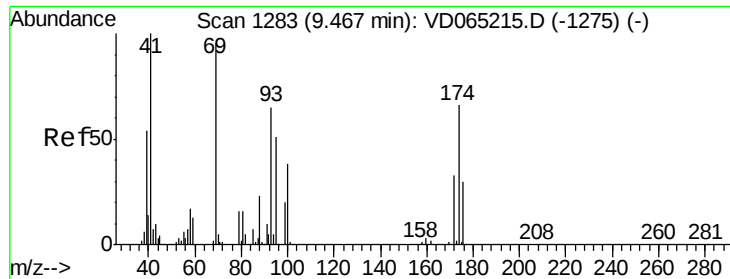
Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	41	Resp:	131860
Ion Ratio	Lower	Upper	
41	100		
69	79.5	68.2	102.2
39	48.4	42.0	63.0





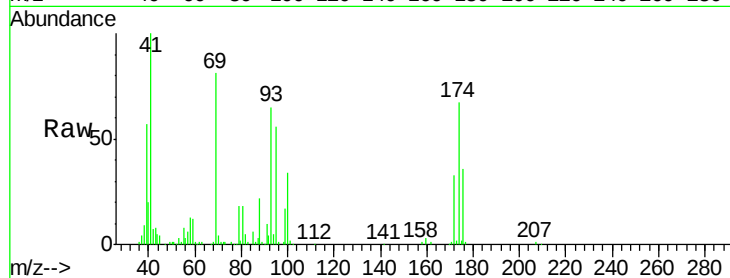
#49
1,4-Dioxane
Concen: 960.375 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

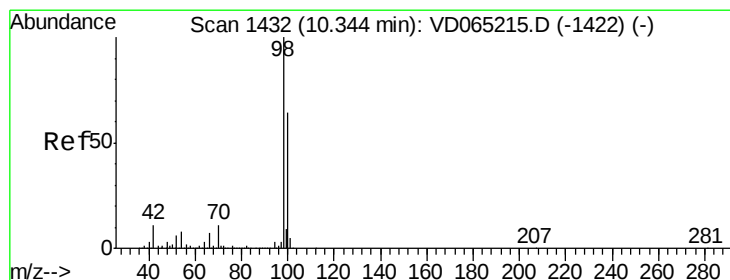
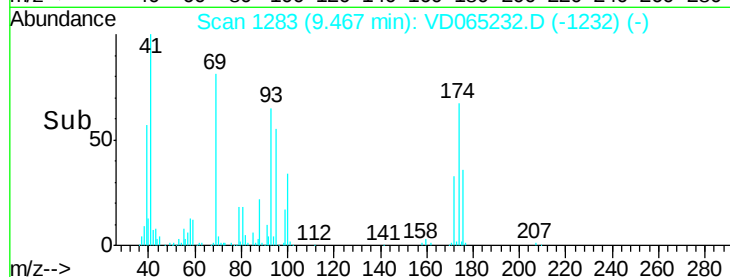
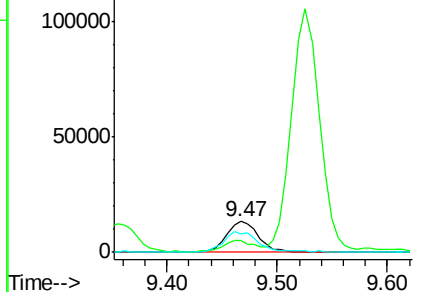
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.8	28.5	42.7
58	68.5	58.6	87.8

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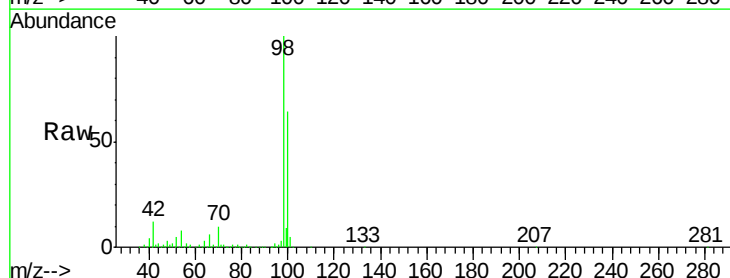


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

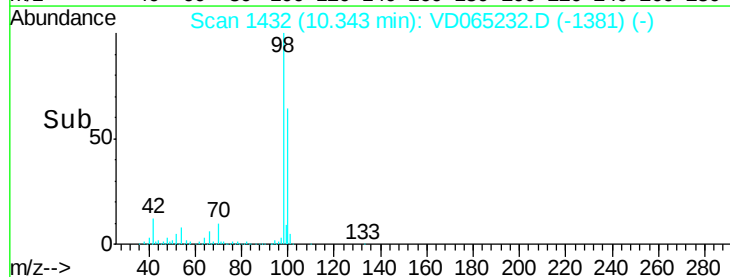
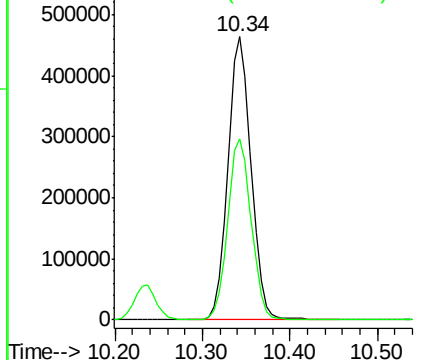


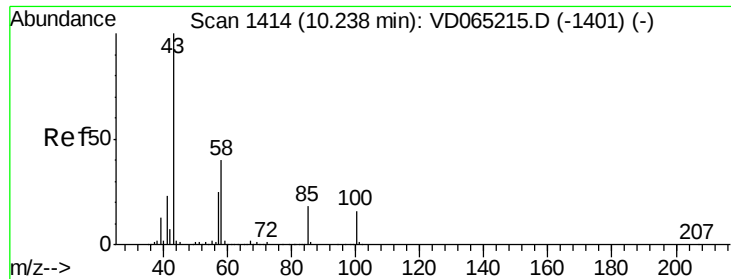
#50
Toluene-d8
Concen: 51.317 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.0	78.0



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





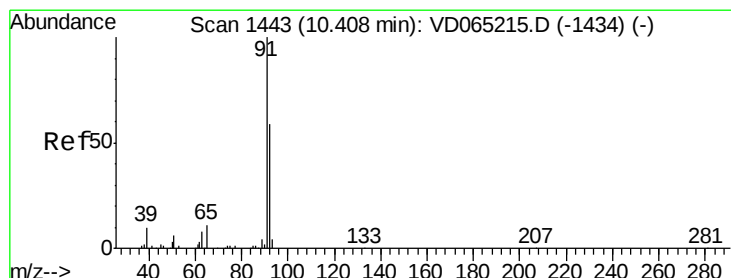
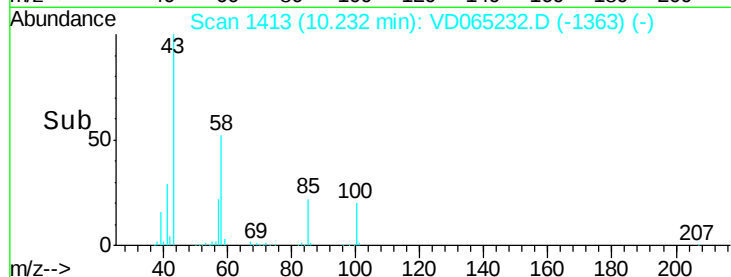
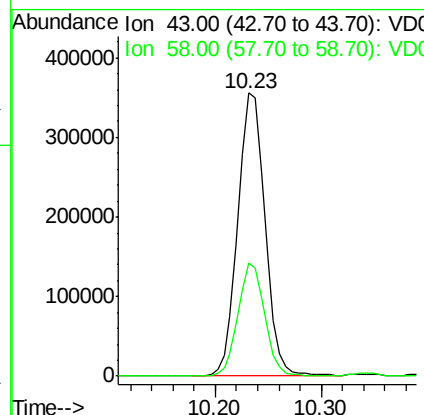
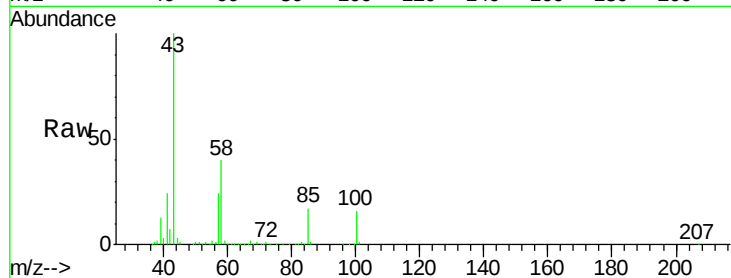
#51
4-Methyl-2-Pentanone
Concen: 241.721 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	31.1	46.7

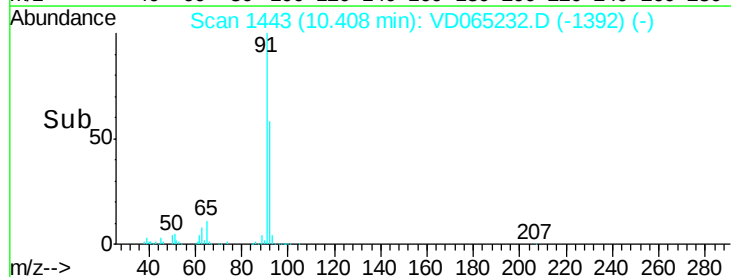
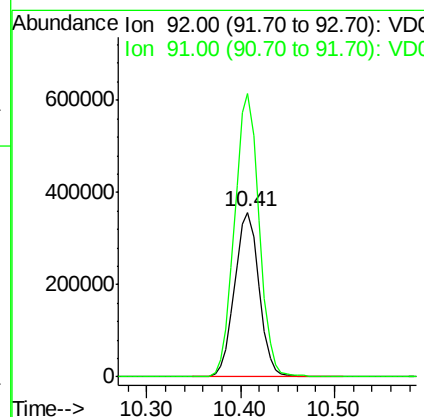
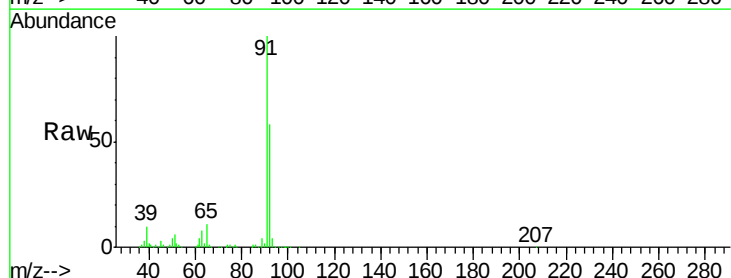
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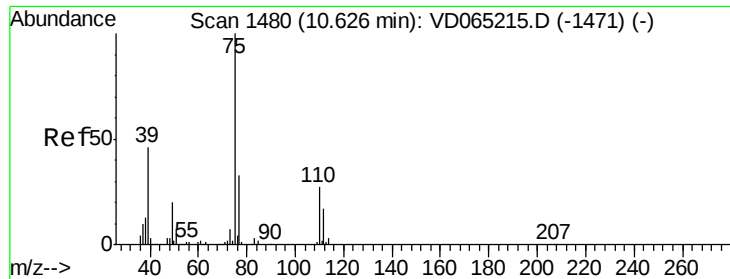
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#52
Toluene
Concen: 54.392 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.7	136.3	204.5





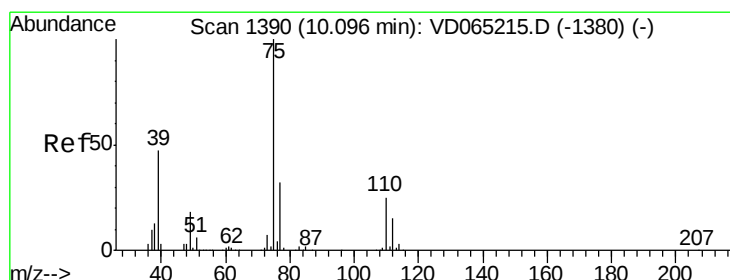
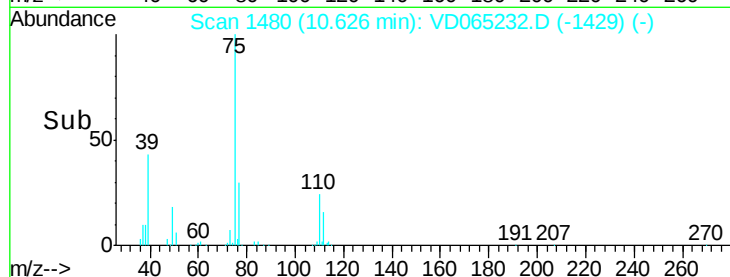
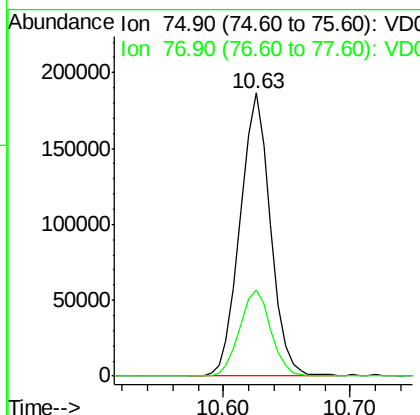
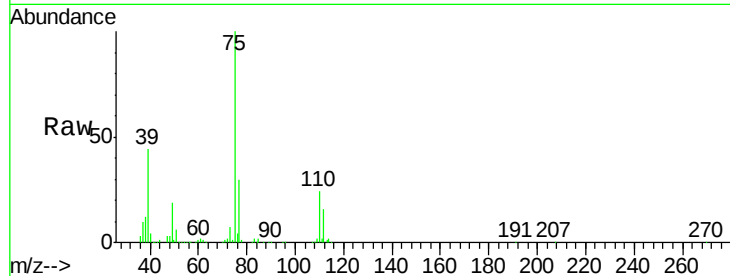
#53
 t-1,3-Dichloropropene
 Concen: 51.684 ug/l
 RT: 10.63 min Scan# 1480
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 75 Resp: 310454
 Ion Ratio Lower Upper
 75 100
 77 30.5 26.6 40.0

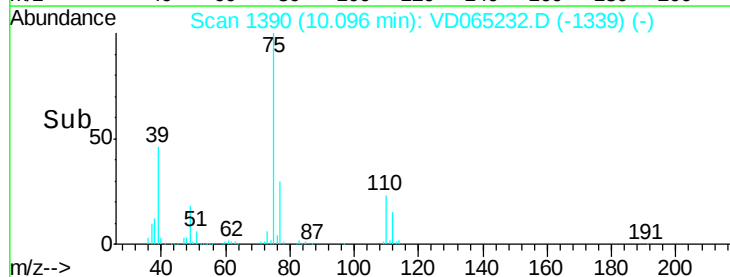
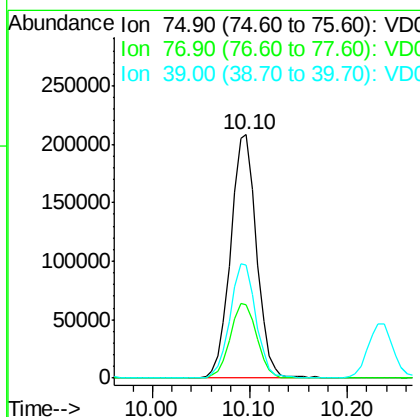
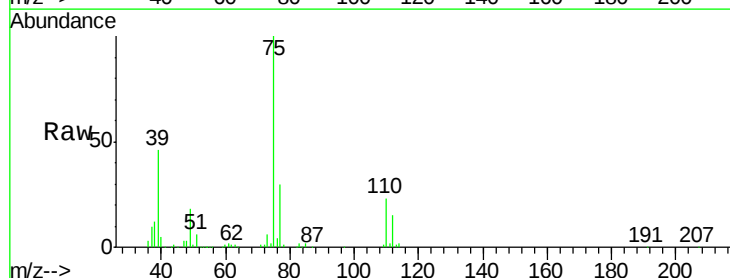
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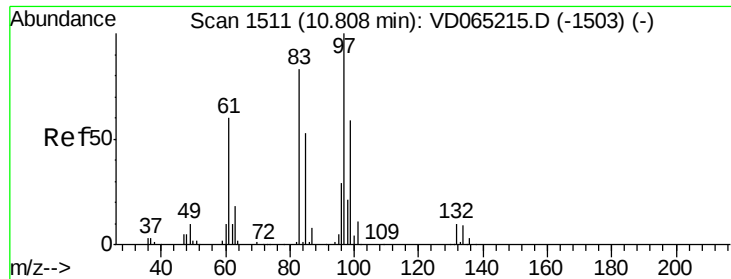
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#54
 cis-1,3-Dichloropropene
 Concen: 52.928 ug/l
 RT: 10.10 min Scan# 1390
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion: 75 Resp: 383908
 Ion Ratio Lower Upper
 75 100
 77 30.0 25.8 38.8
 39 46.2 37.3 55.9





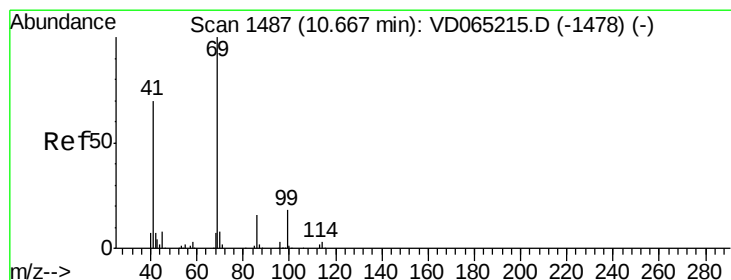
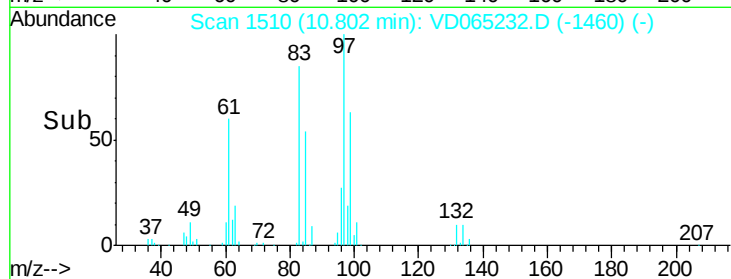
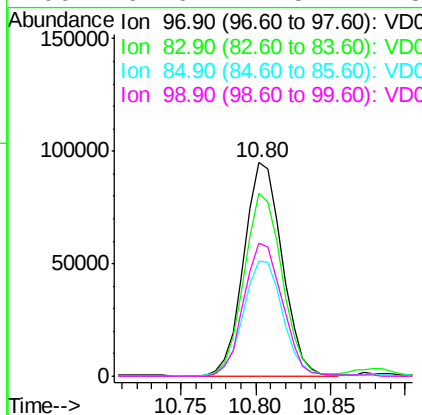
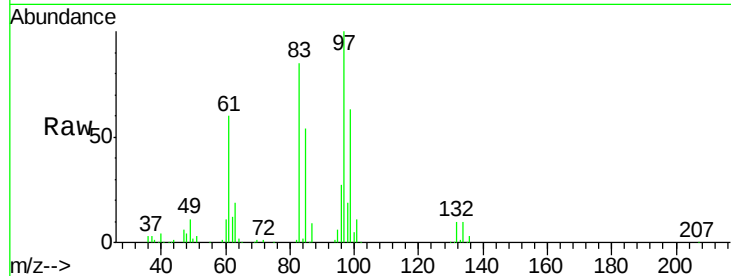
#55
 1,1,2-Trichloroethane
 Concen: 49.022 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.01 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	169671
Ion Ratio	Lower	Upper	
97	100		
83	85.4	66.7	100.1
85	54.0	42.4	63.6
99	62.6	47.5	71.3

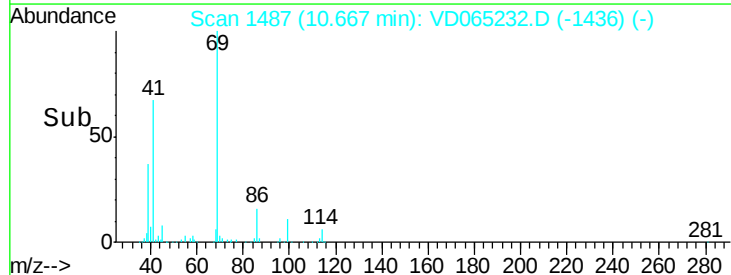
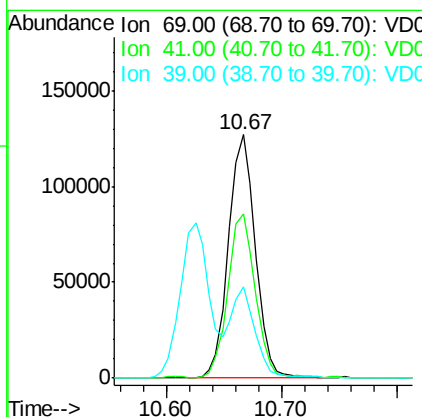
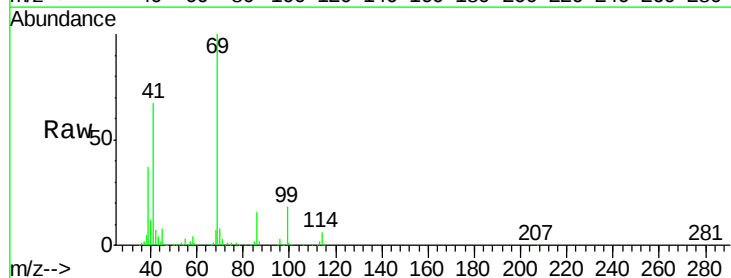
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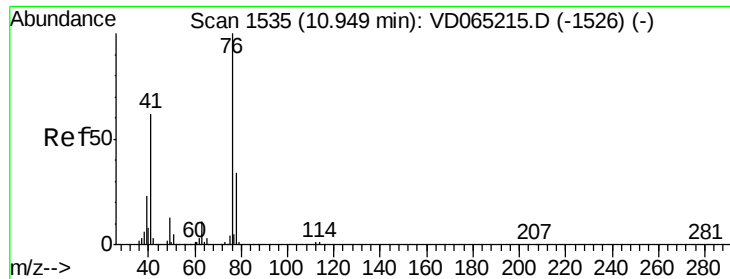
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#56
 Ethyl methacrylate
 Concen: 51.479 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion:	69	Resp:	205650
Ion Ratio	Lower	Upper	
69	100		
41	67.7	54.6	81.8
39	32.3	26.5	39.7





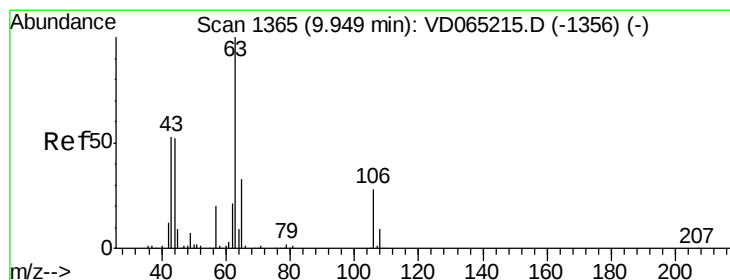
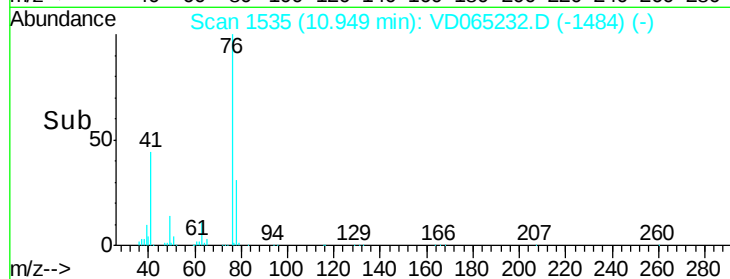
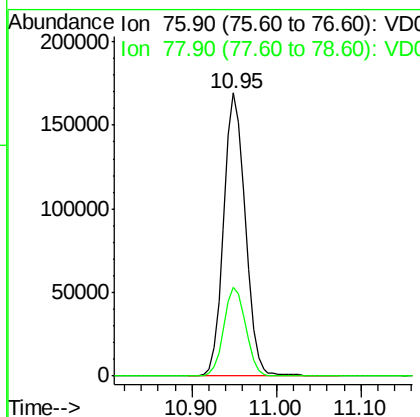
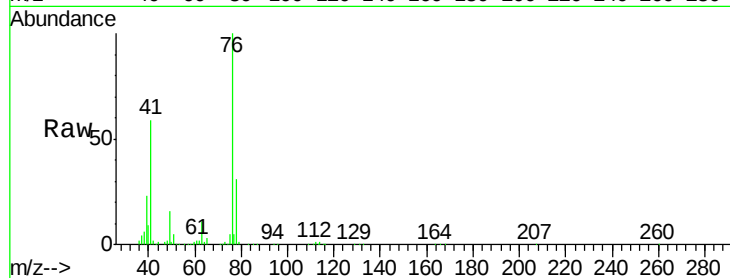
#57
 1,3-Dichloropropane
 Concen: 50.774 ug/l
 RT: 10.95 min Scan# 1535
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	26.3	39.5

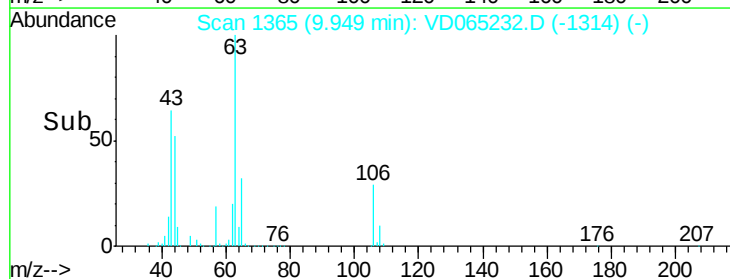
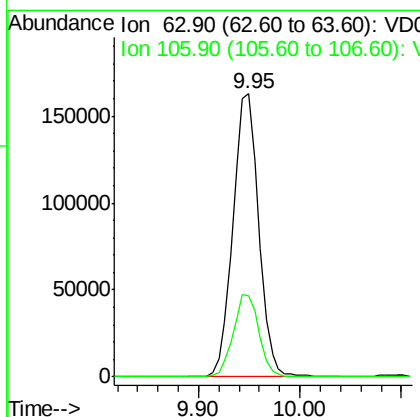
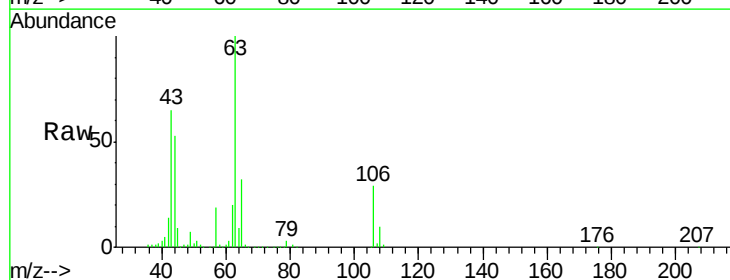
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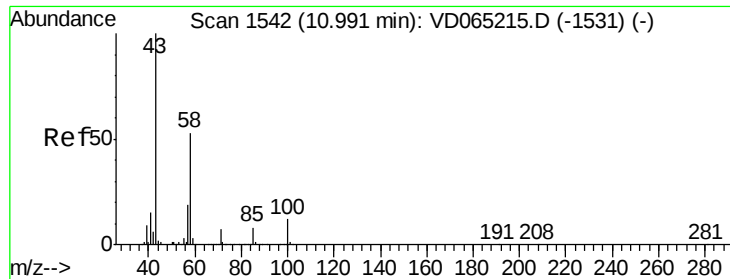
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#58
 2-Chloroethyl Vinyl ether
 Concen: 228.994 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.1	22.8	34.2





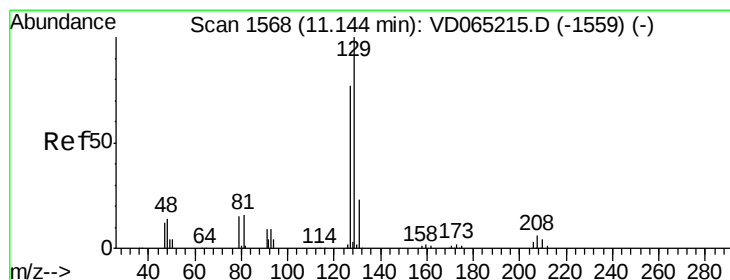
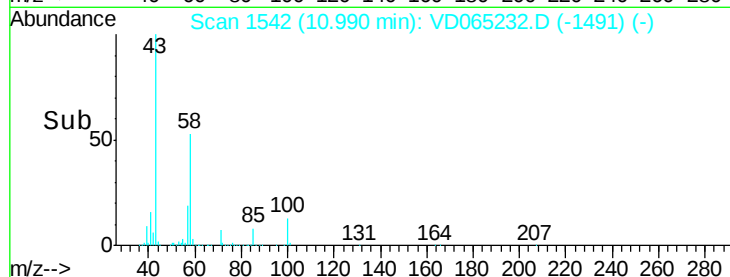
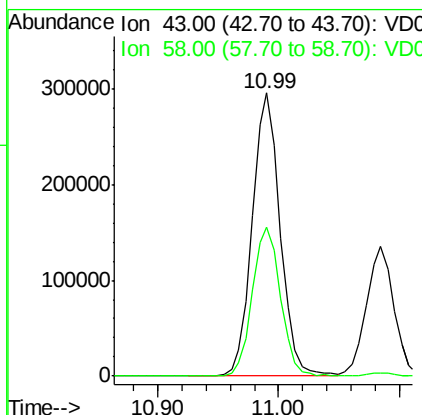
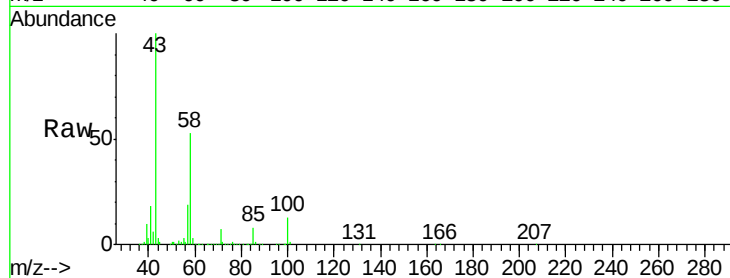
#59
2-Hexanone
Concen: 253.960 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 477982
Ion Ratio Lower Upper
43 100
58 53.2 26.3 78.8

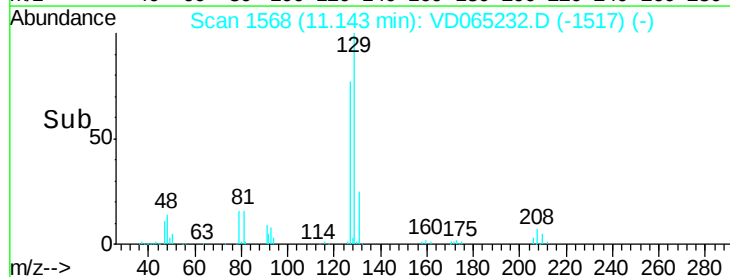
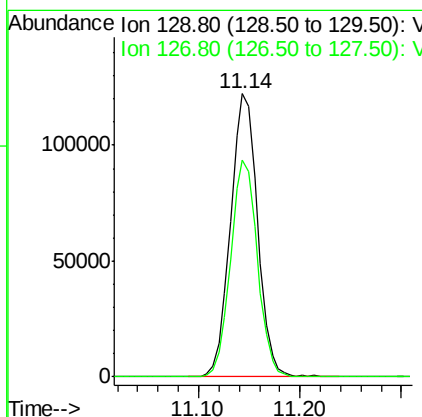
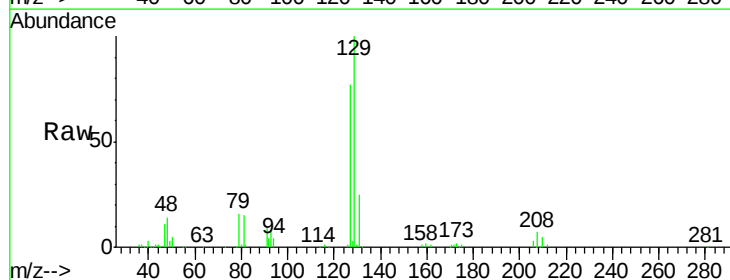
Manual Integrations
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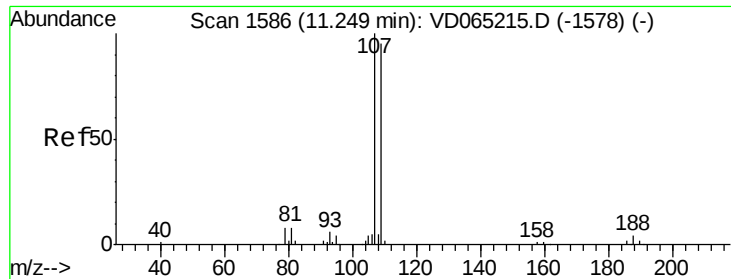
MMDadoda
2/21/2020 5:25:35 PM



#60
Dibromochloromethane
Concen: 51.111 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 129 Resp: 226420
Ion Ratio Lower Upper
129 100
127 75.6 38.7 116.1





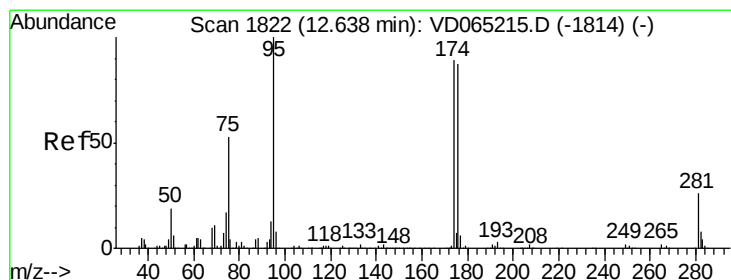
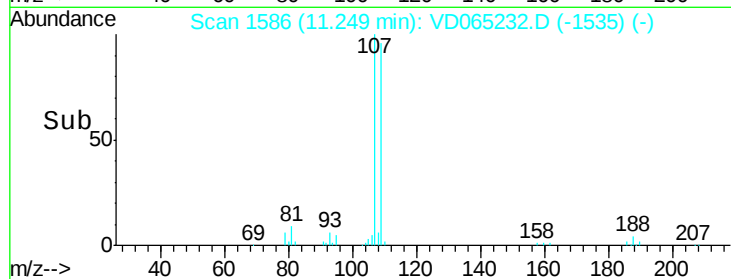
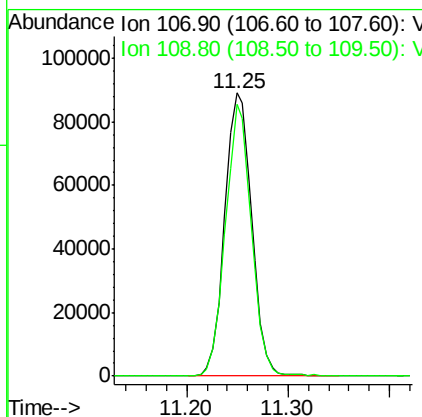
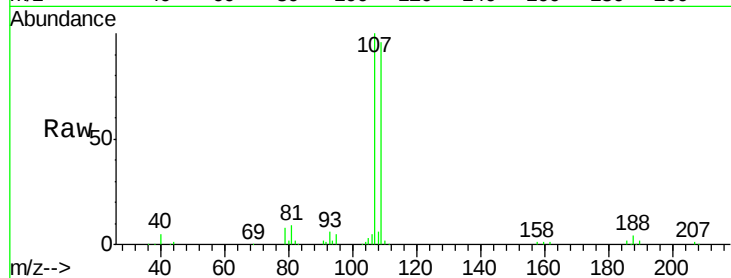
#61
 1,2-Dibromoethane
 Concen: 50.155 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.2	76.2	114.4

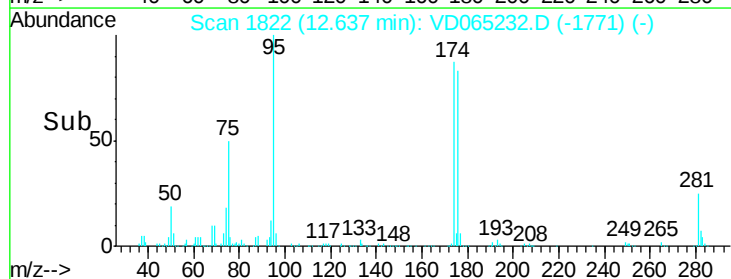
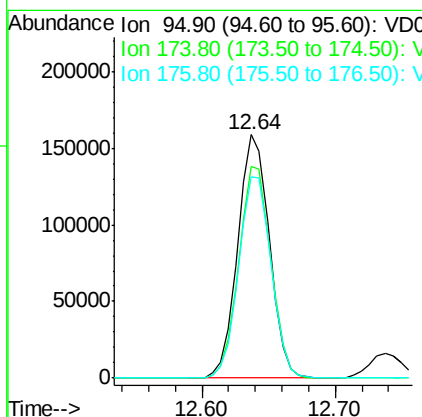
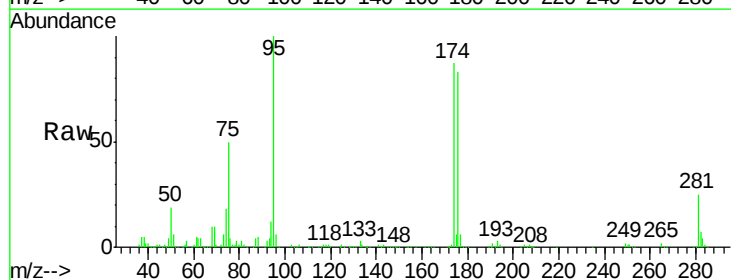
Manual Integrations
 APPROVED

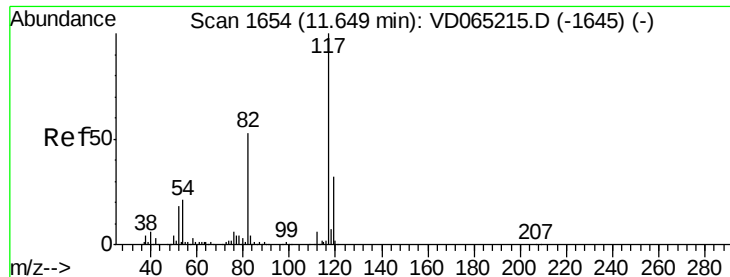
MMDadoda
 2/21/2020 5:25:35 PM



#62
 4-Bromofluorobenzene
 Concen: 50.308 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.2	0.0	178.0
176	84.8	0.0	174.4





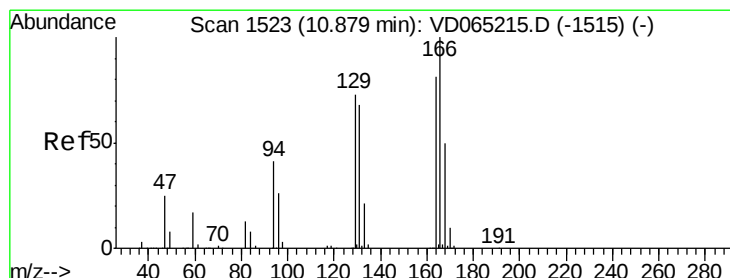
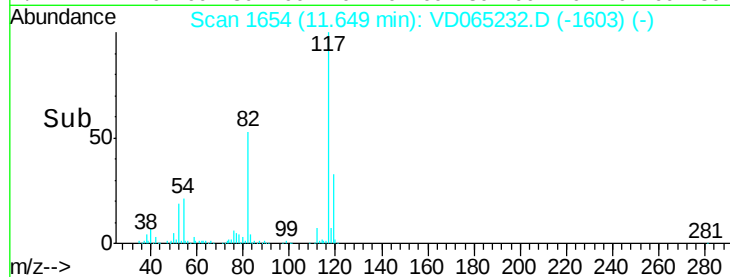
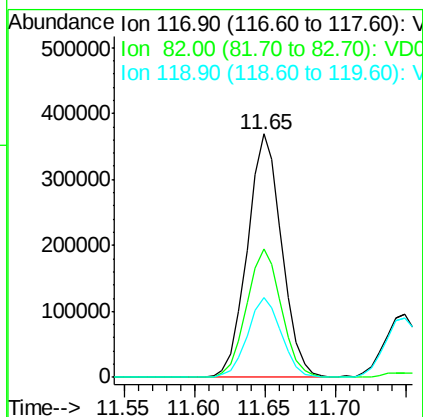
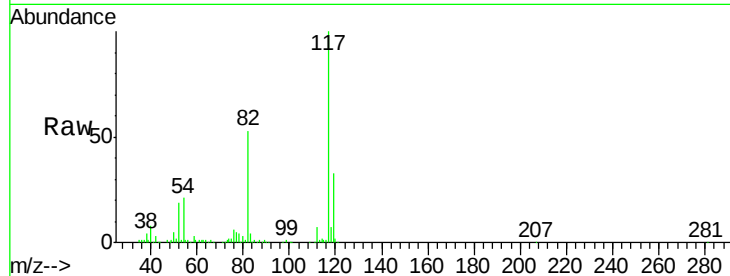
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.7	64.1
119	32.7	25.5	38.3

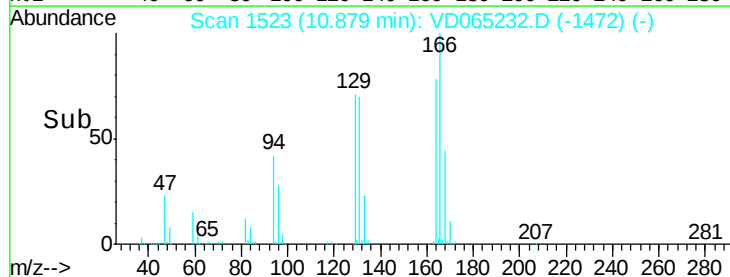
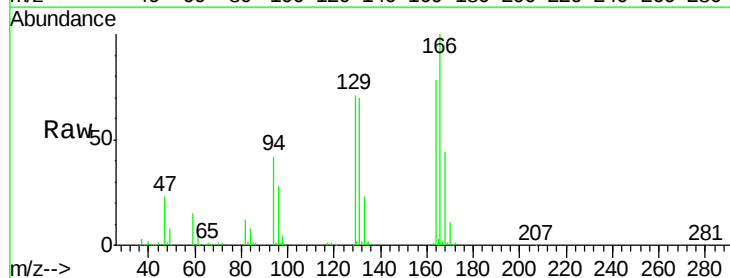
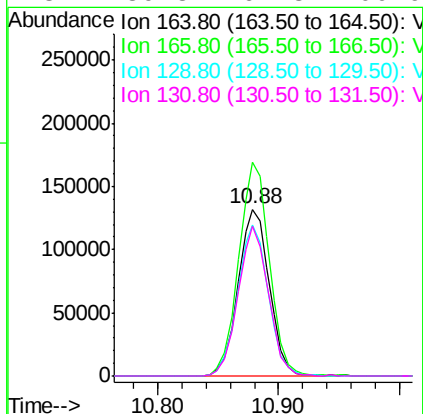
Manual Integrations
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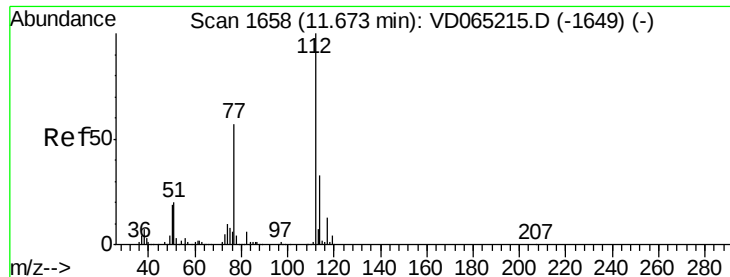
MMDadoda
2/21/2020 5:25:35 PM



#64
Tetrachloroethene
Concen: 53.052 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.2	98.4	147.6
129	90.5	71.6	107.4
131	89.8	67.3	100.9





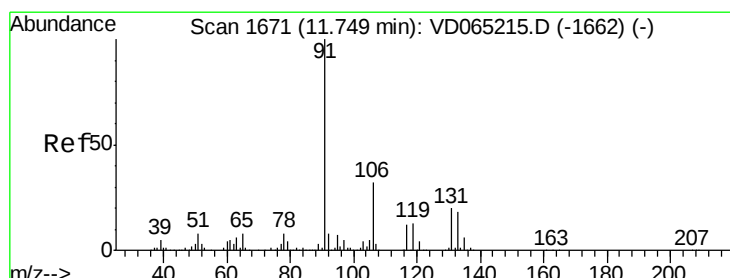
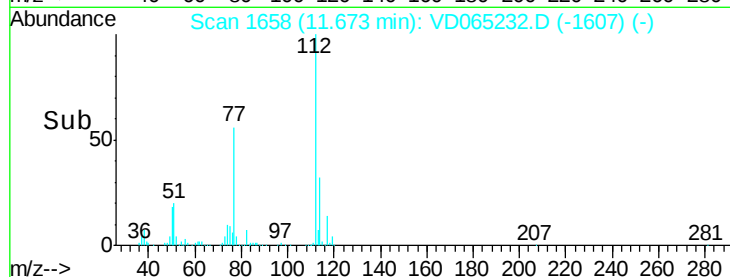
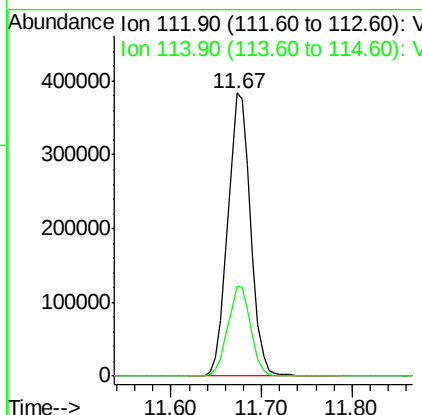
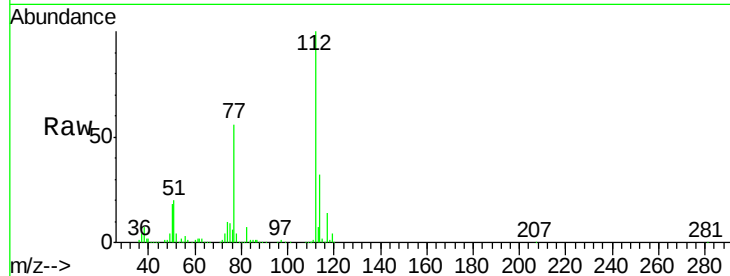
#65
Chlorobenzene
Concen: 52.925 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 668997
Ion Ratio Lower Upper
112 100
114 32.0 26.4 39.6

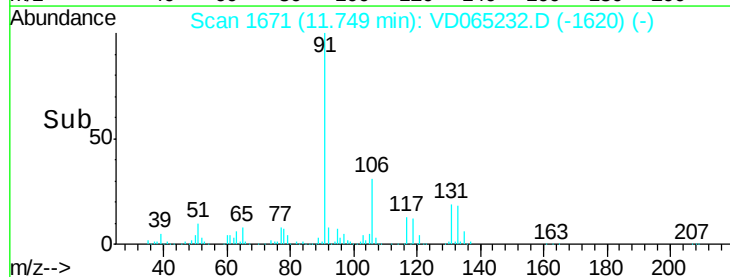
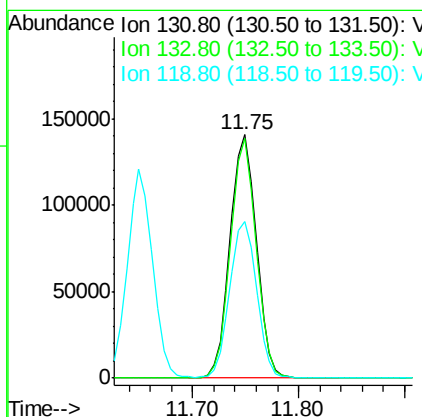
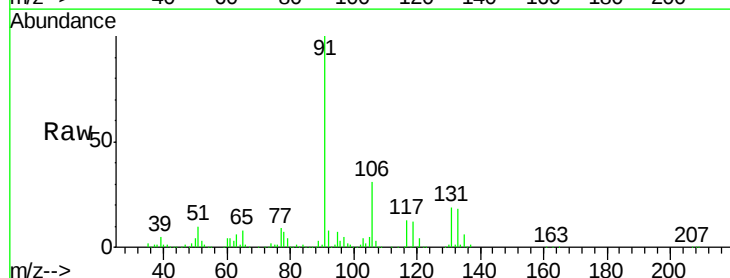
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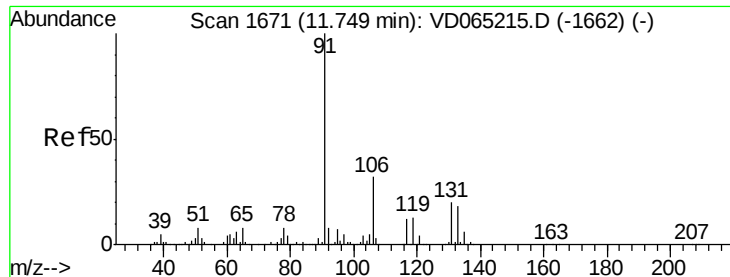
MMDadoda
2/21/2020 5:25:35 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 51.776 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion:131 Resp: 244233
Ion Ratio Lower Upper
131 100
133 95.6 47.7 143.1
119 65.9 32.7 98.1





#67

Ethyl Benzene

Concen: 55.108 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

Tot Ion: 91 Resp: 1220000

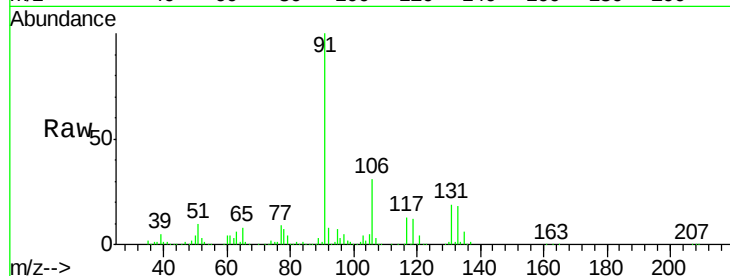
Ion Ratio Lower Upper

91 100

106 31.3 25.2 37.8

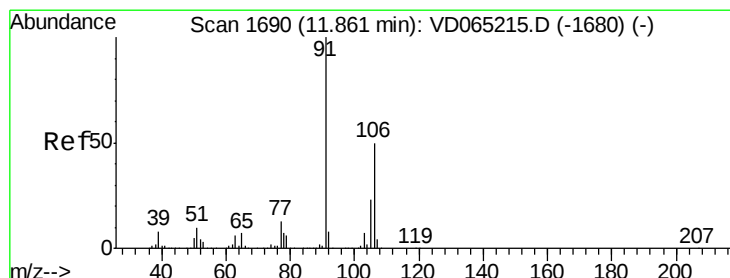
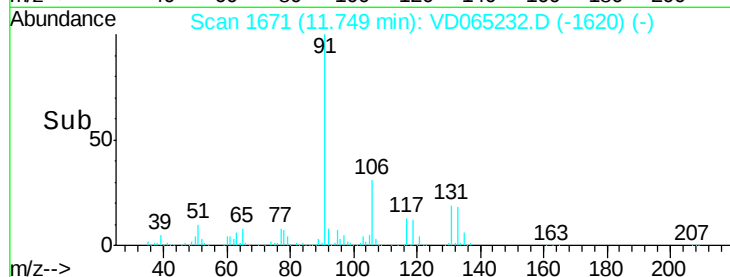
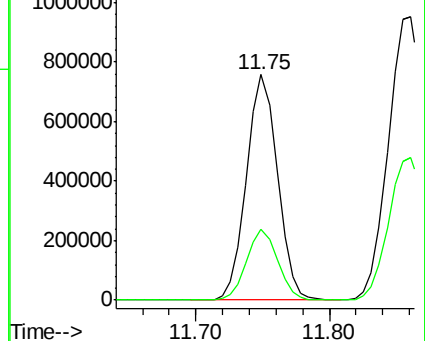
Manual Integrations
APPROVED

MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 109.917 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VD065232.D

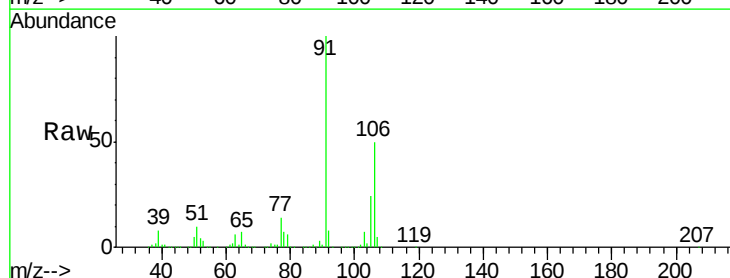
Acq: 19 Feb 2020 11:49

Tgt Ion:106 Resp: 930997

Ion Ratio Lower Upper

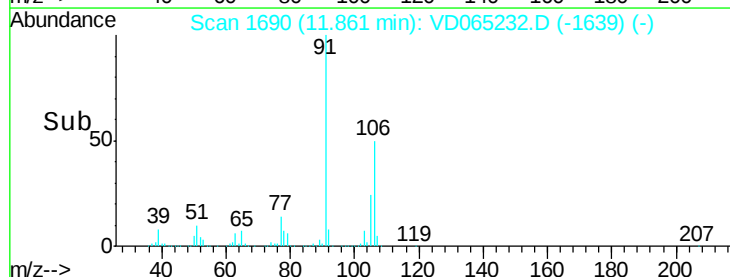
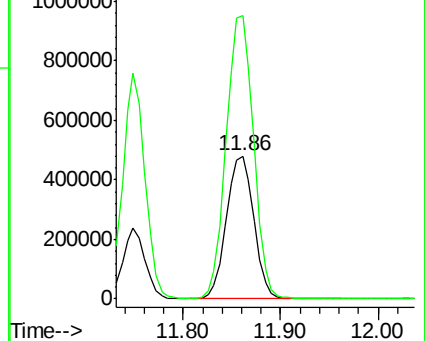
106 100

91 198.5 158.2 237.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VDC





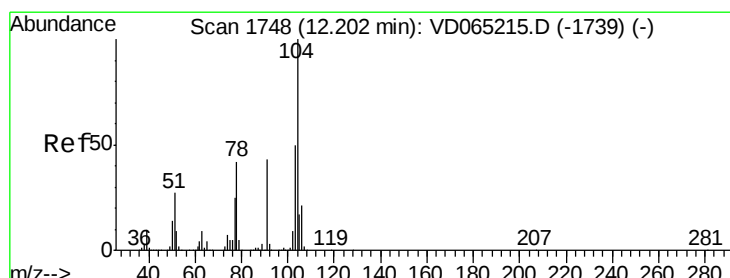
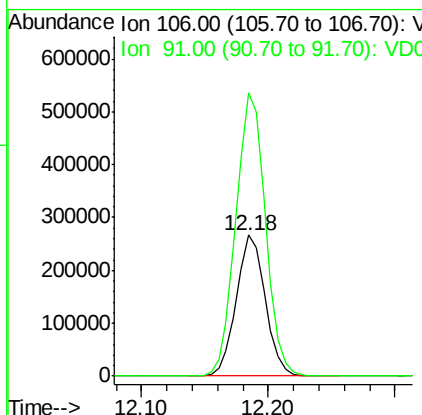
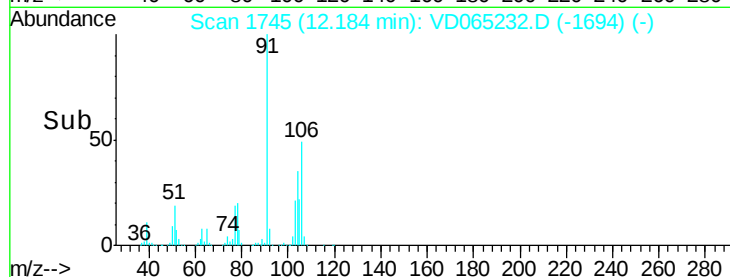
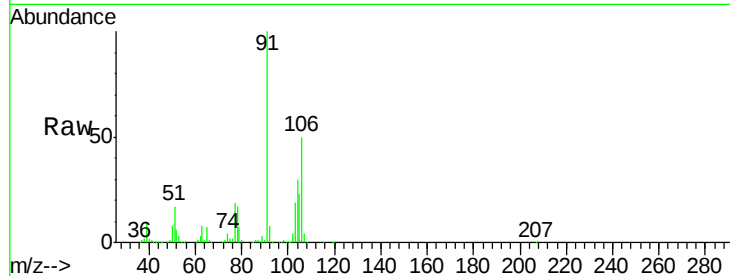
#69
o-Xylene
Concen: 56.027 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 420427
Ion Ratio Lower Upper
106 100
91 206.1 104.7 313.9

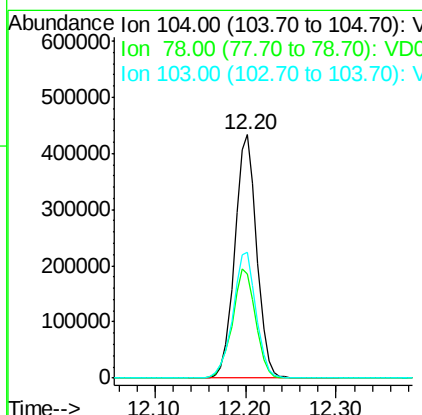
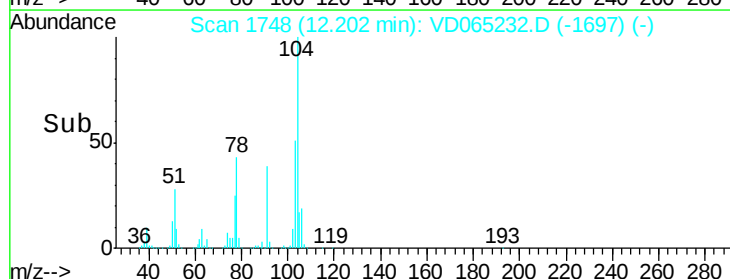
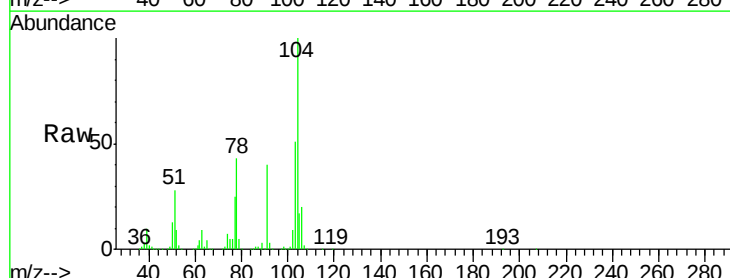
Manual Integrations
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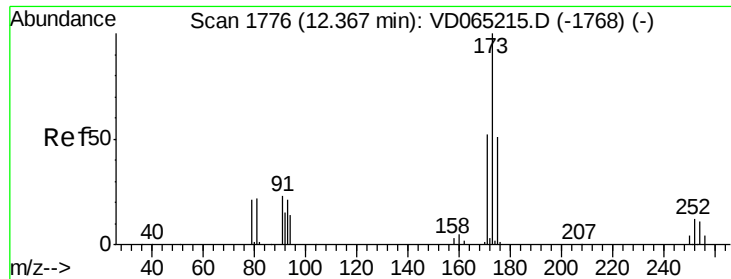
MMDadoda
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#70
Styrene
Concen: 54.826 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion:104 Resp: 730446
Ion Ratio Lower Upper
104 100
78 47.7 37.8 56.6
103 54.5 43.4 65.2





#71

Bromoform

Concen: 49.057 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:173 Resp: 128408

Ion Ratio Lower Upper

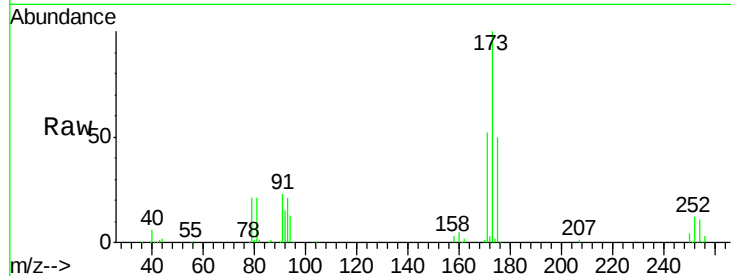
173 100

175 48.8 24.4 73.4

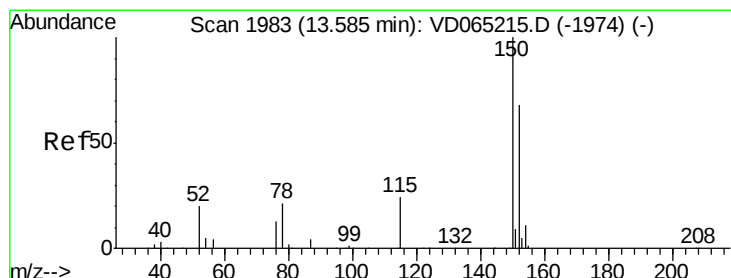
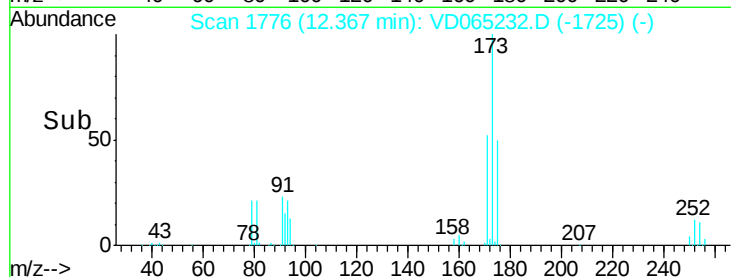
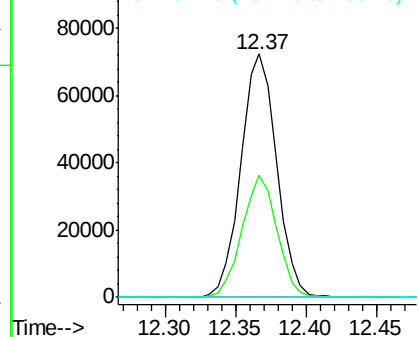
254 0.2 0.0 0.0#

Manual Integrations
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

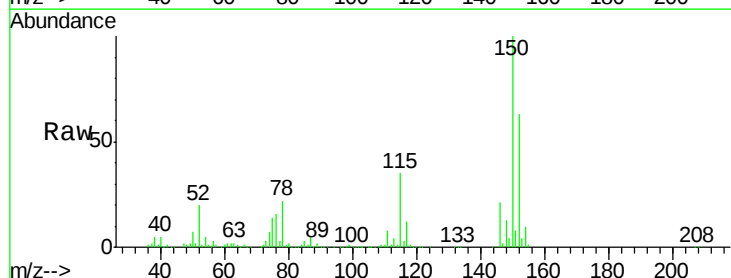
Tgt Ion:152 Resp: 309877

Ion Ratio Lower Upper

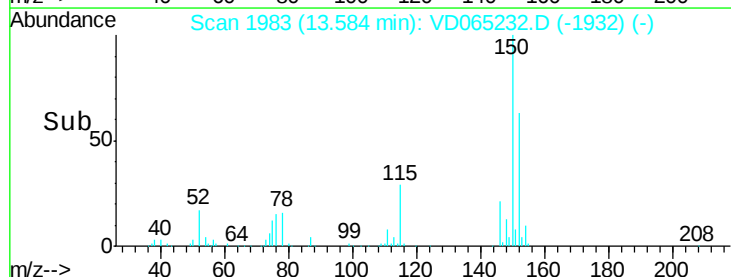
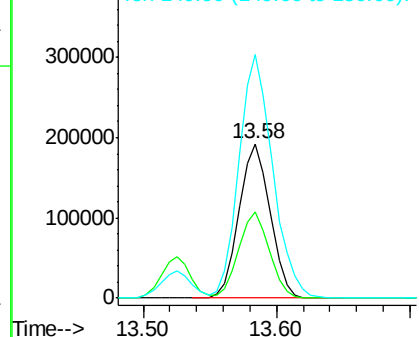
152 100

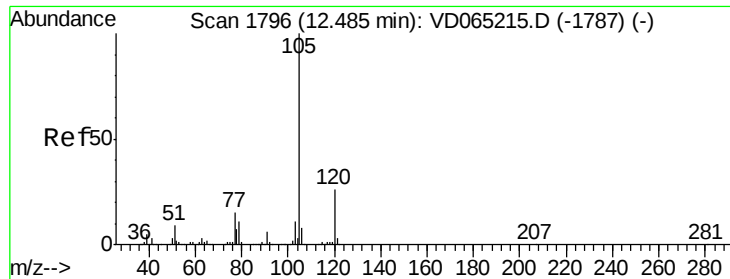
115 55.9 27.6 82.8

150 171.6 0.0 347.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





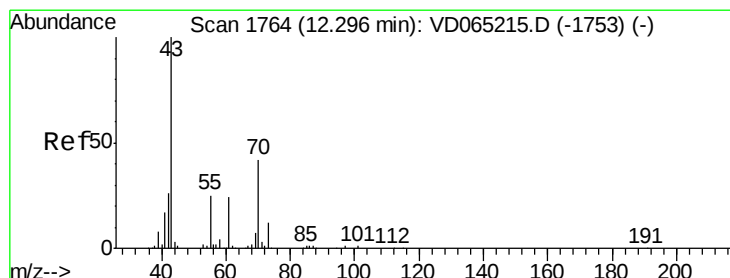
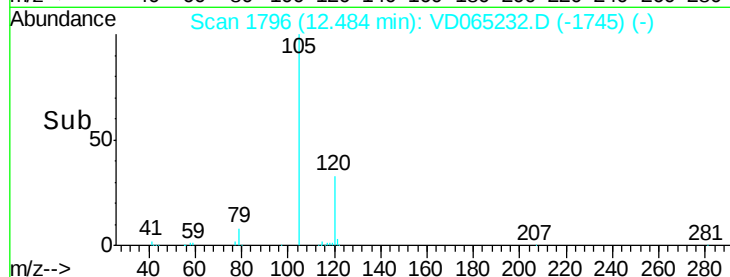
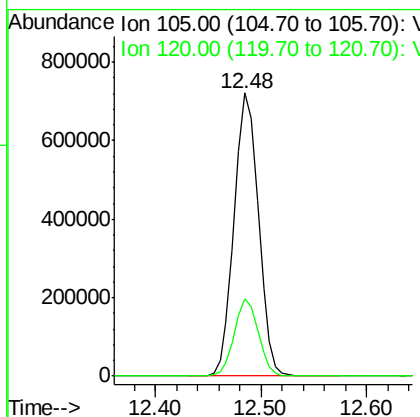
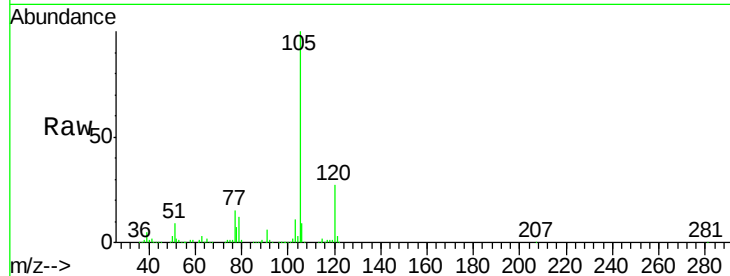
#73
Isopropylbenzene
Concen: 55.932 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1147472
Ion Ratio Lower Upper
105 100
120 26.9 13.3 39.9

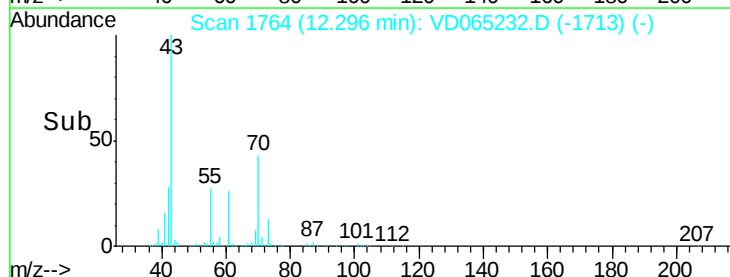
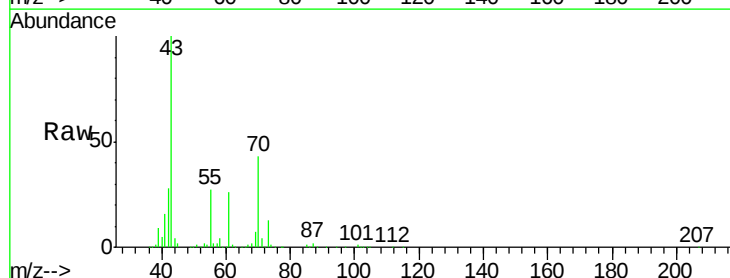
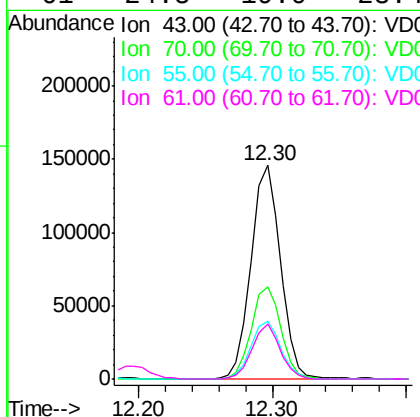
Manual Integrations
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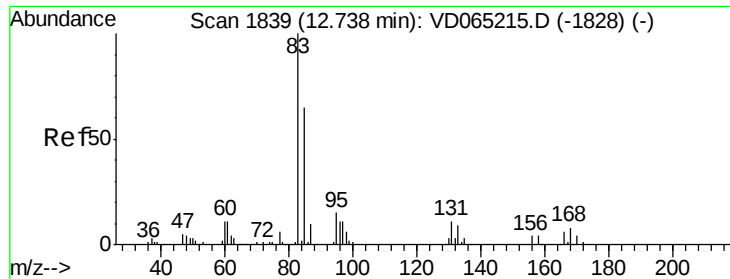
MMDadoda
2/21/2020 5:25:35 PM



#74
N-ethyl acetate
Concen: 48.676 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion: 43 Resp: 221894
Ion Ratio Lower Upper
43 100
70 43.5 33.7 50.5
55 27.6 20.7 31.1
61 24.5 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.202 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

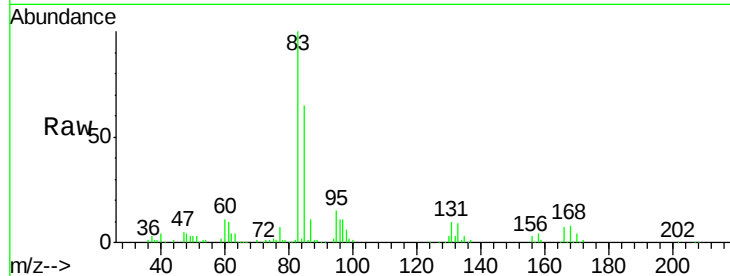
ClientSampleId :

VSTDCCC050

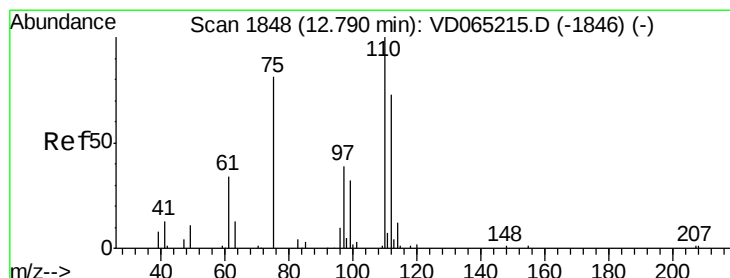
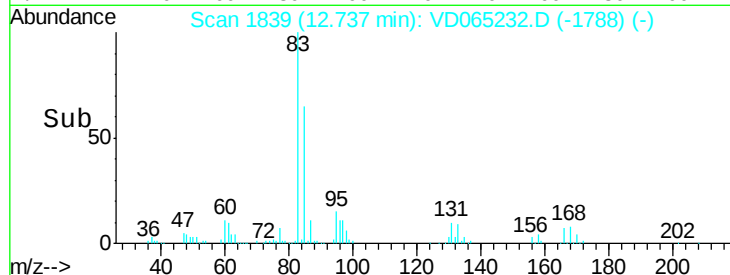
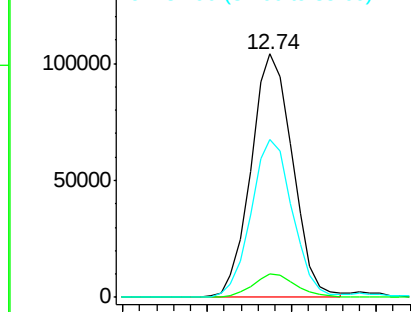
Tot Ion:	83	Resp:	178470
Ion Ratio	Lower	Upper	
83	100		
131	10.0	5.4	16.2
85	64.4	31.6	94.8

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Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 45.832 ug/l m

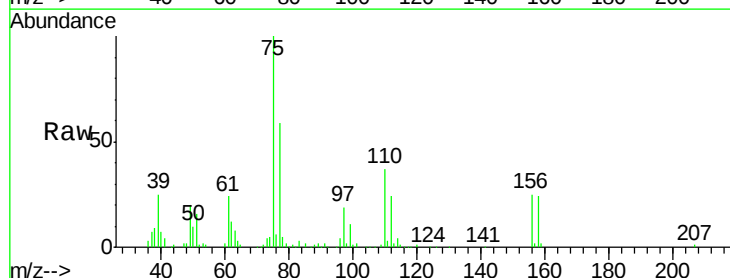
RT: 12.79 min Scan# 1848

Delta R.T. -0.00 min

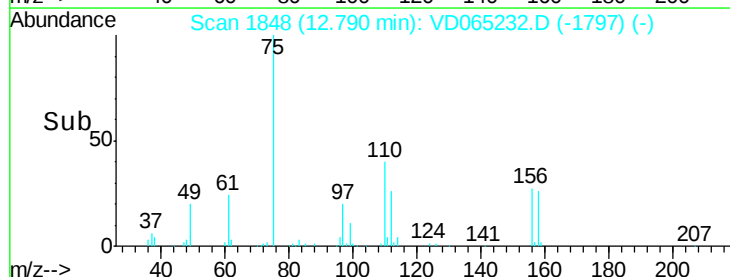
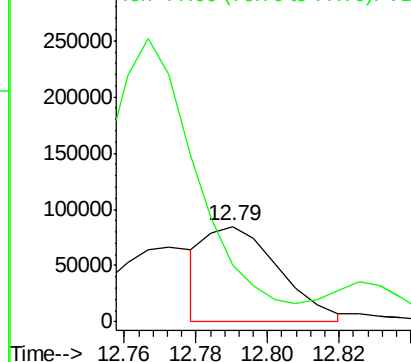
Lab File: VD065232.D

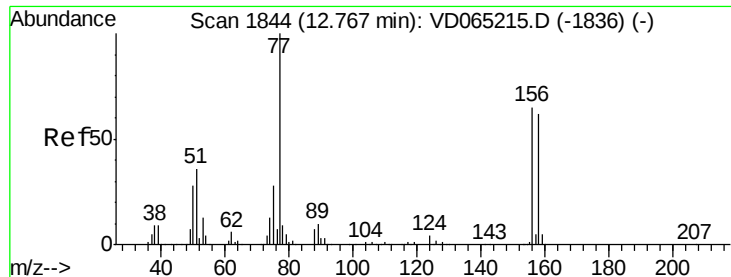
Acq: 19 Feb 2020 11:49

Tgt Ion:	75	Resp:	120838
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.461 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

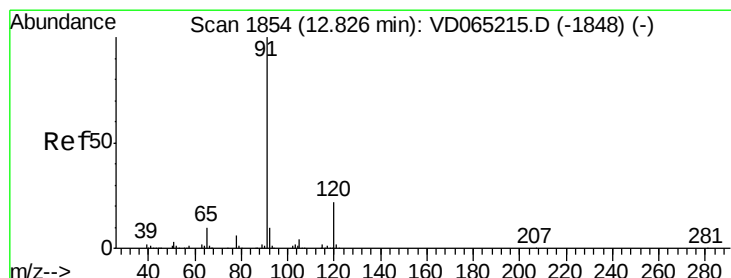
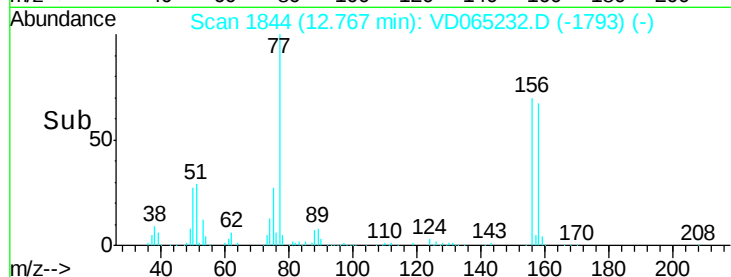
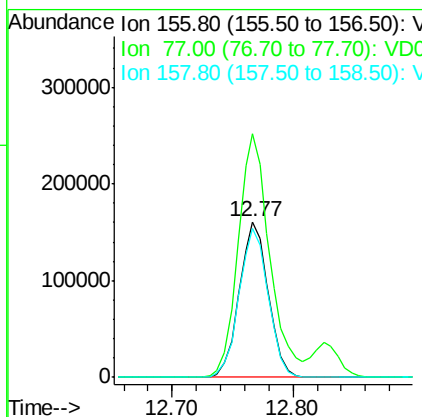
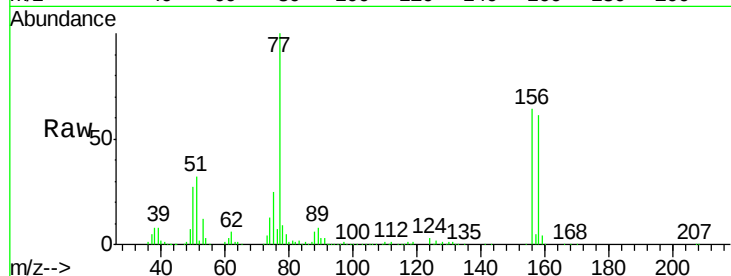
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	267251
Ion Ratio	Lower	Upper	
156	100		
77	171.5	86.6	259.7
158	96.7	48.1	144.3

Manual Integrations
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#78

n-propylbenzene

Concen: 55.713 ug/l

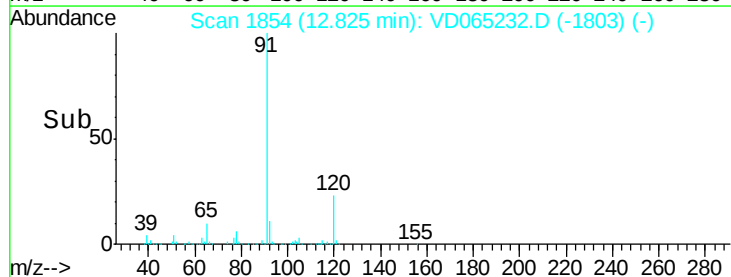
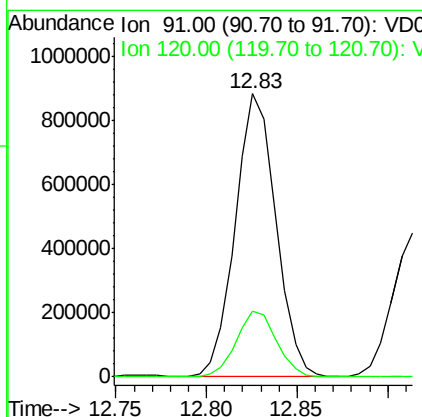
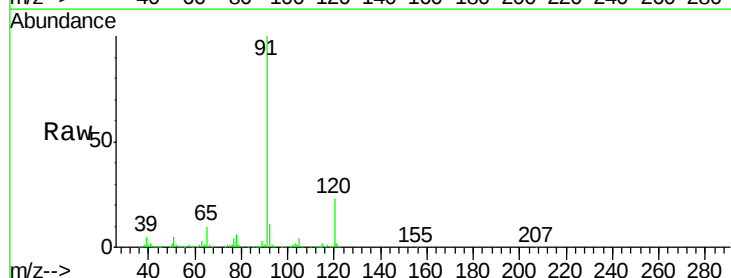
RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	91	Resp:	1373524
Ion Ratio	Lower	Upper	
91	100		
120	23.2	11.5	34.5





#79

2-Chlorotoluene

Concen: 53.885 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 744213

Ion Ratio Lower Upper

91 100

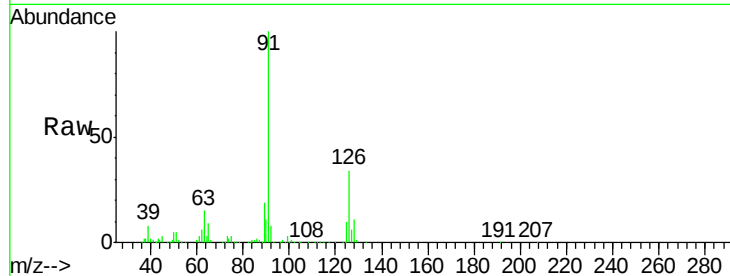
126 34.5 17.5 52.6

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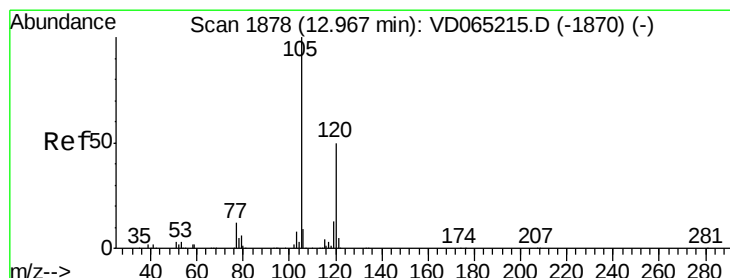
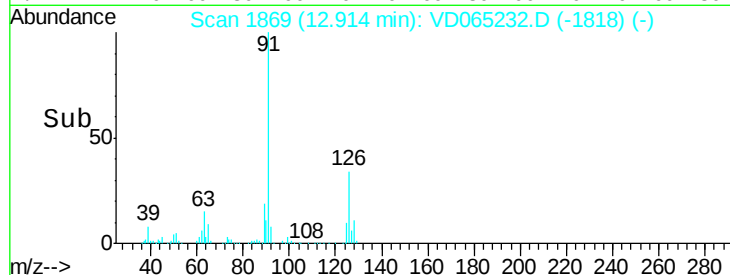
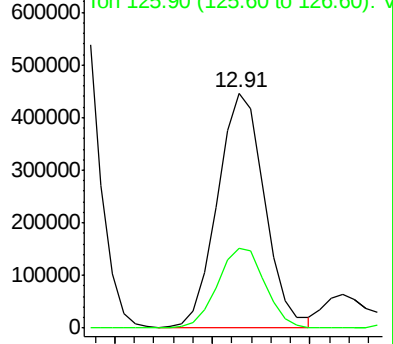
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Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)



#80

1,3,5-Trimethylbenzene

Concen: 55.539 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. -0.00 min

Lab File: VD065232.D

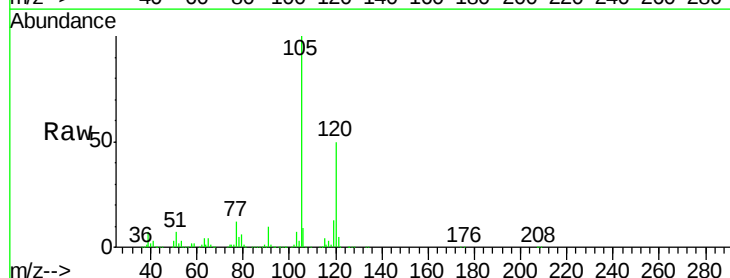
Acq: 19 Feb 2020 11:49

Tgt Ion: 105 Resp: 938445

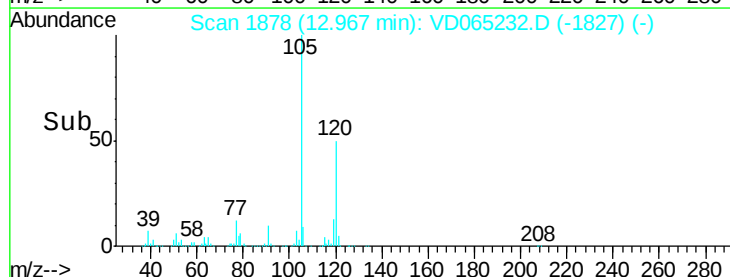
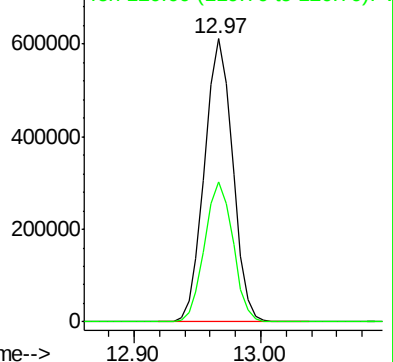
Ion Ratio Lower Upper

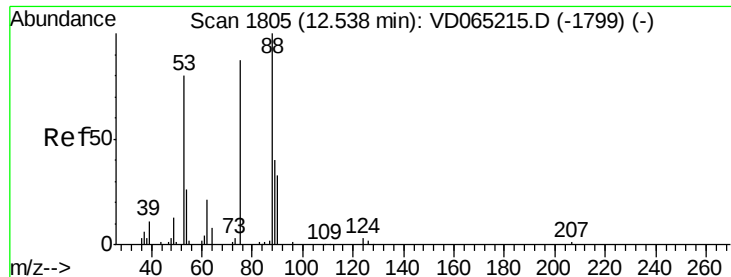
105 100

120 50.0 25.4 76.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 49.584 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

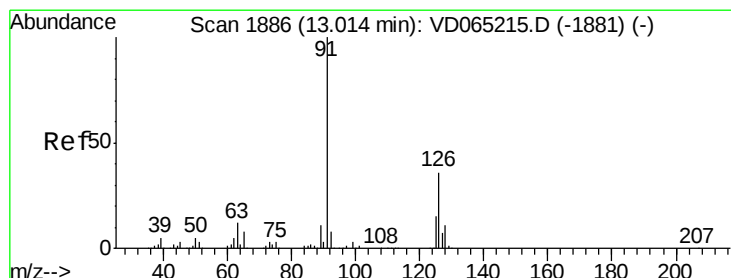
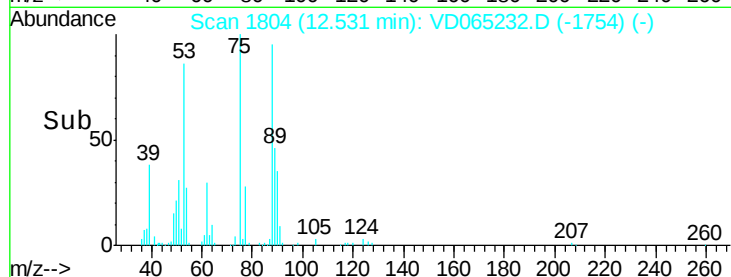
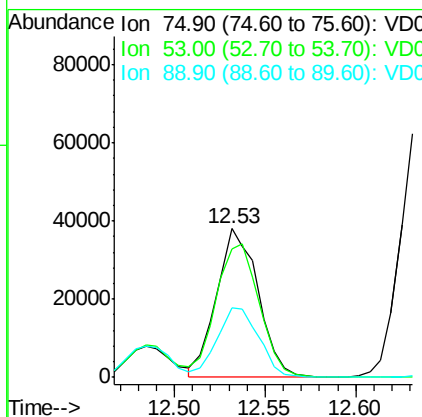
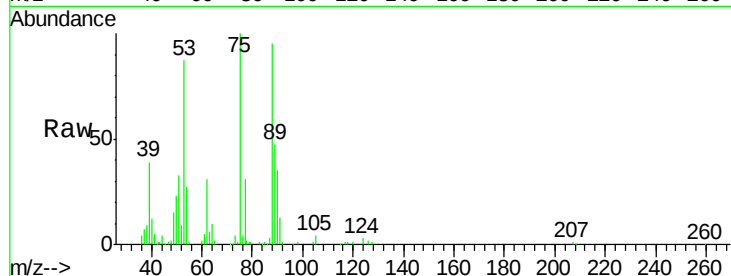
ClientSampleId :

VSTDCCC050

Tot Ion:	75	Resp:	60546
Ion	Ratio	Lower	Upper
75	100		
53	93.8	77.6	116.4
89	46.8	37.2	55.8

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#82

4-Chlorotoluene

Concen: 53.689 ug/l

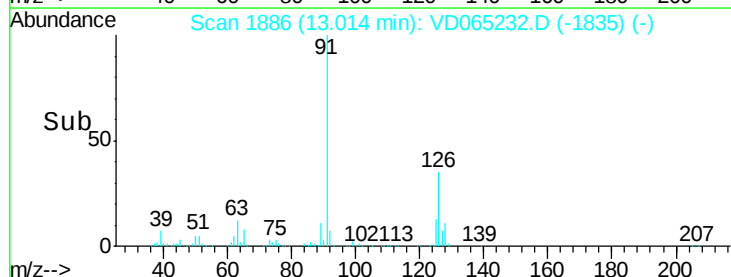
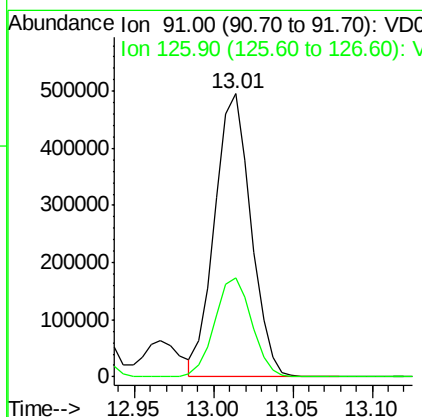
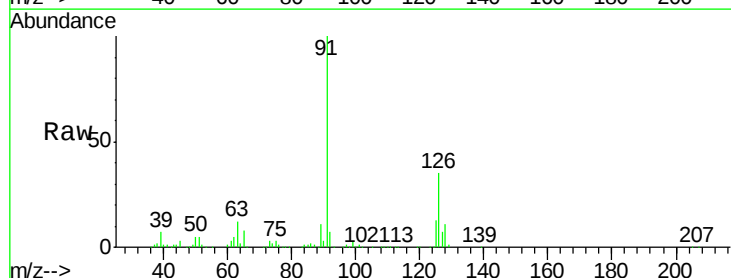
RT: 13.01 min Scan# 1886

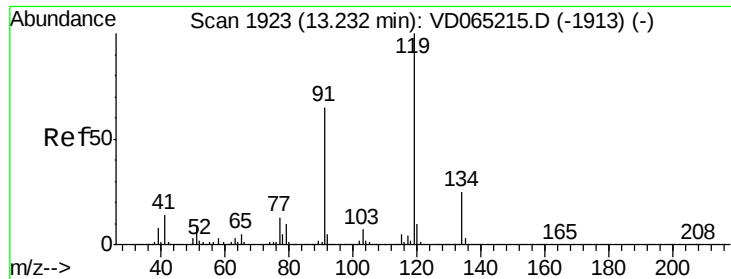
Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	91	Resp:	787211
Ion	Ratio	Lower	Upper
91	100		
126	36.0	17.4	52.3





#83

tert-Butylbenzene

Concen: 56.009 ug/l

RT: 13.23 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

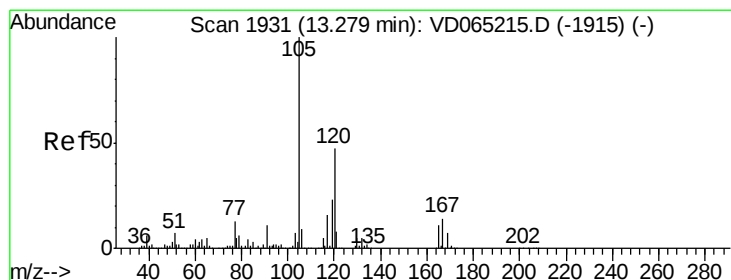
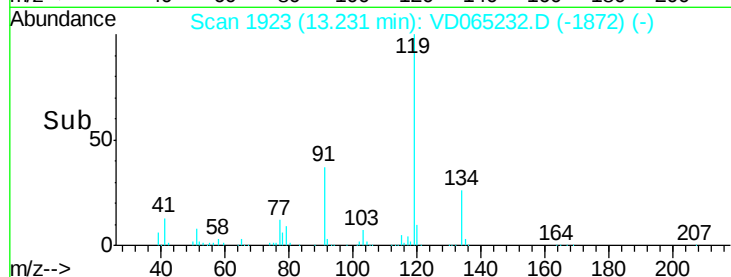
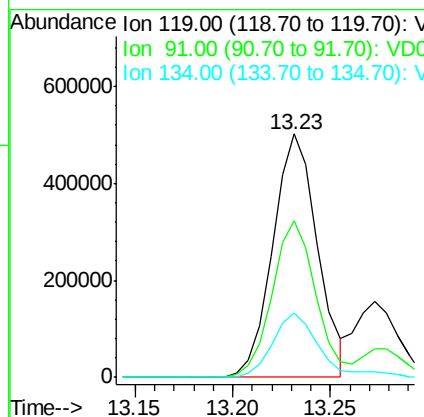
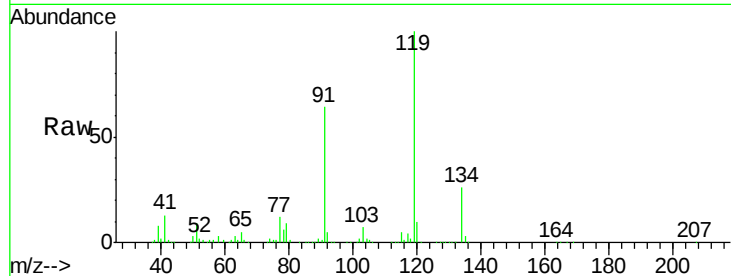
ClientSampleId :

VSTDCCC050

Tot Ion:	119	Resp:	793181
Ion Ratio	Lower	Upper	
119	100		
91	63.4	31.9	95.5
134	27.8	13.8	41.3

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#84

1,2,4-Trimethylbenzene

Concen: 55.158 ug/l

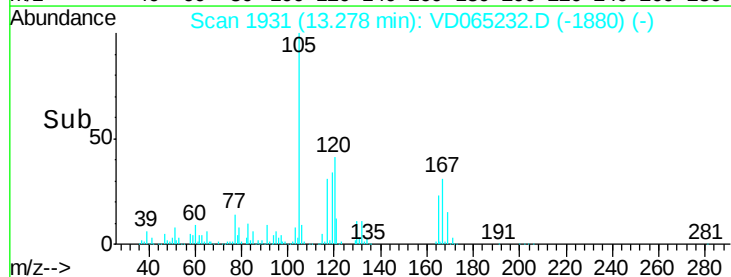
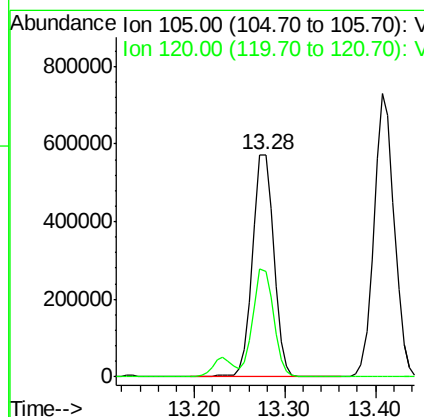
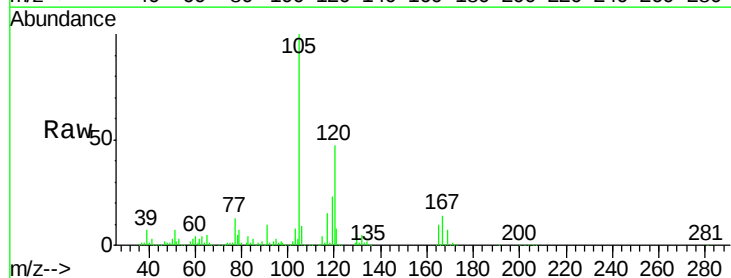
RT: 13.28 min Scan# 1931

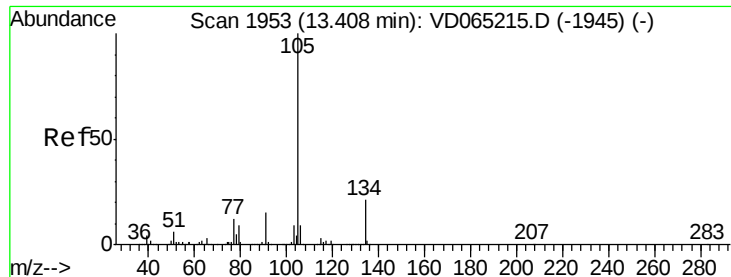
Delta R.T. -0.00 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	105	Resp:	932868
Ion Ratio	Lower	Upper	
105	100		
120	47.0	23.3	69.9





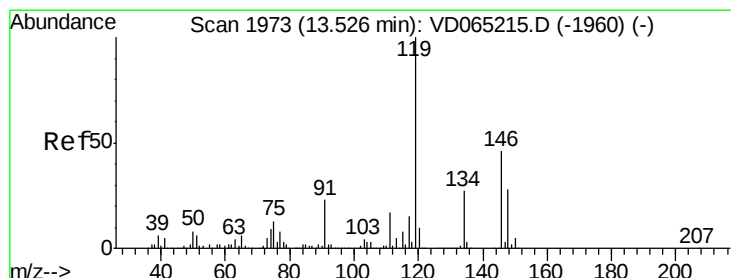
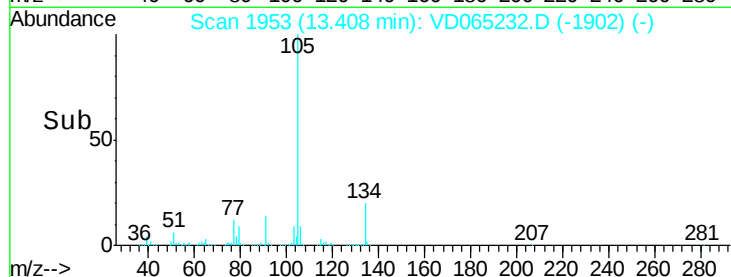
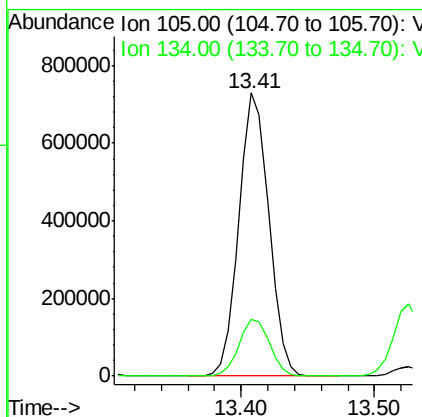
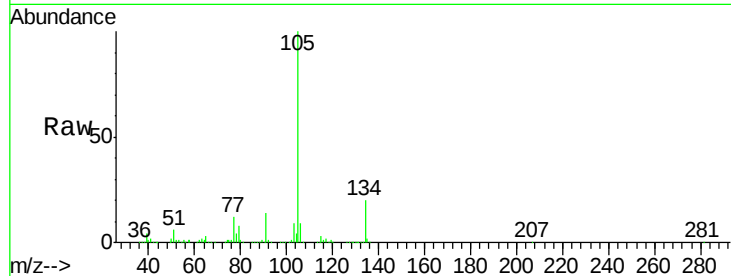
#85
 sec-Butylbenzene
 Concen: 55.574 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1134060
 Ion Ratio Lower Upper
 105 100
 134 20.6 10.3 30.9

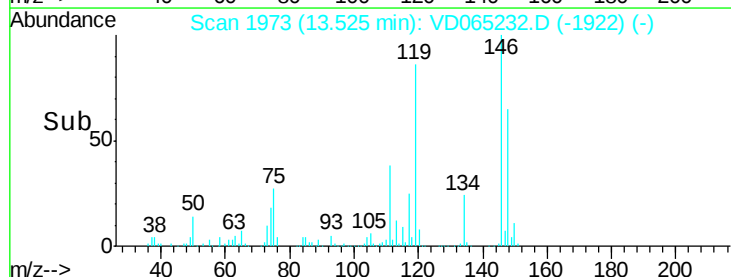
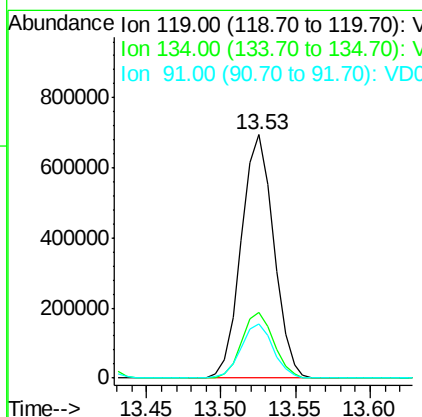
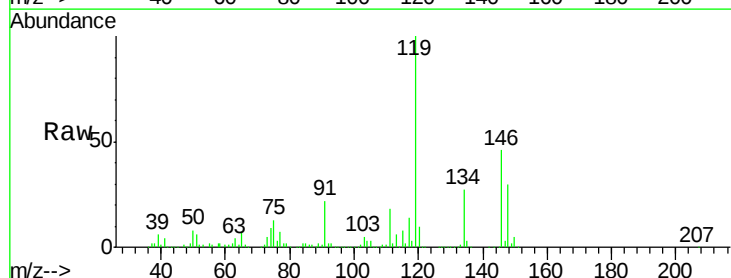
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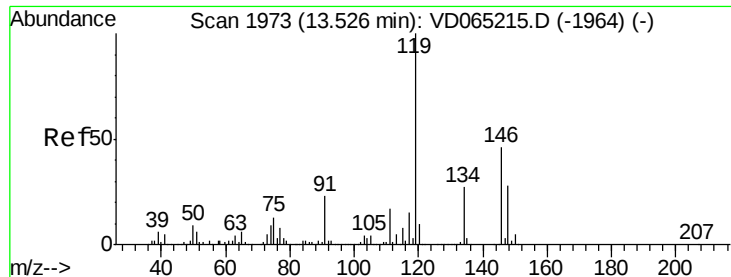
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#86
 p-Isopropyltoluene
 Concen: 56.122 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion:119 Resp: 1047326
 Ion Ratio Lower Upper
 119 100
 134 26.8 13.3 39.8
 91 22.1 11.1 33.1





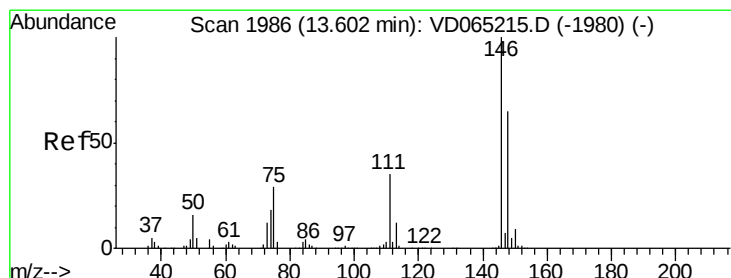
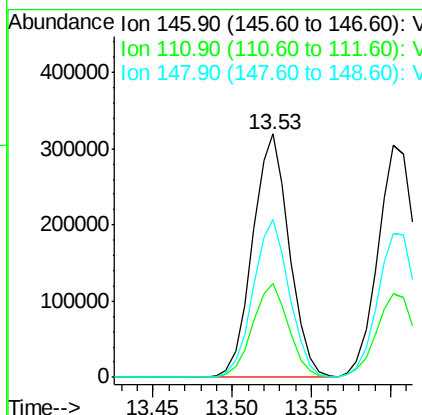
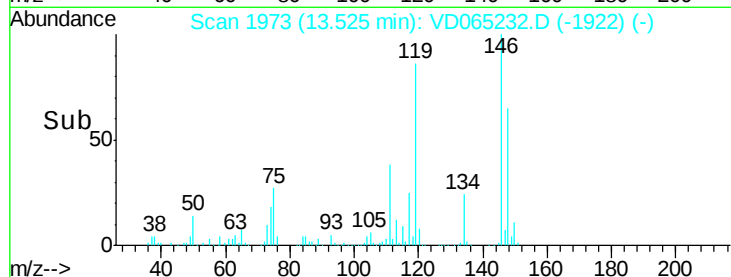
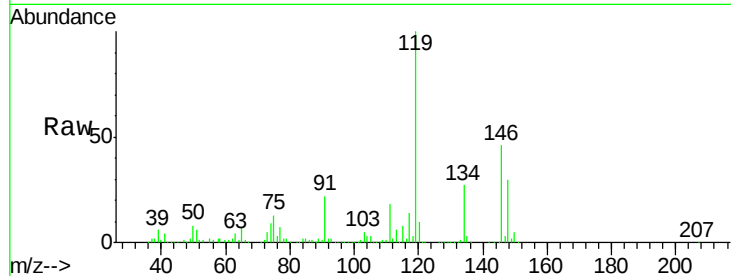
#87
 1,3-Dichlorobenzene
 Concen: 51.885 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	64.1	31.4	94.3

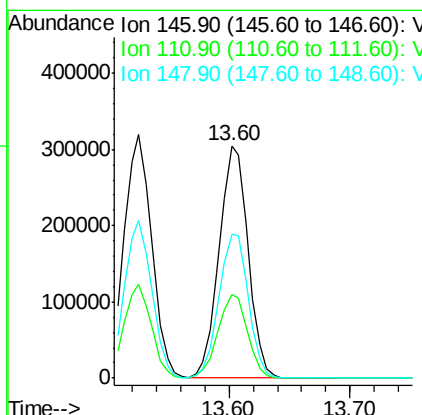
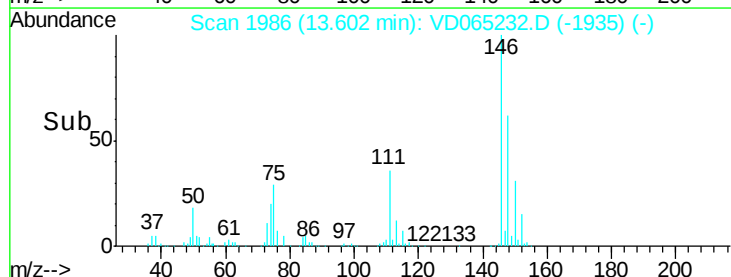
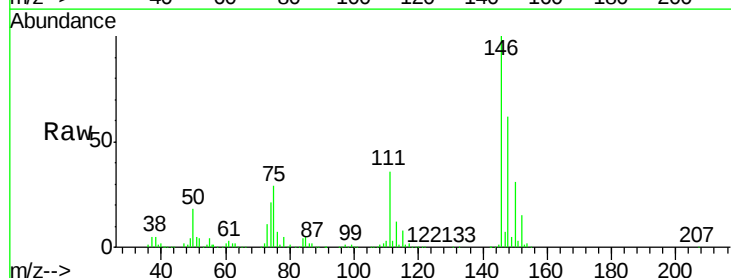
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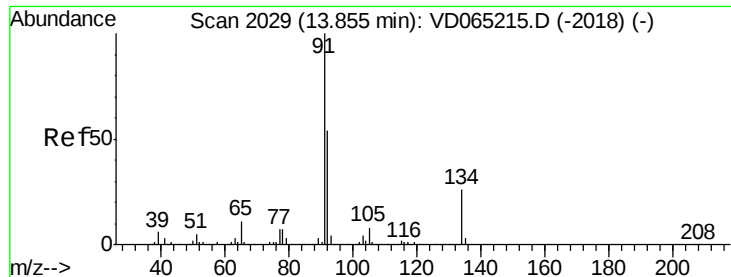
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#88
 1,4-Dichlorobenzene
 Concen: 51.902 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.5	18.4	55.2
148	63.0	32.1	96.5





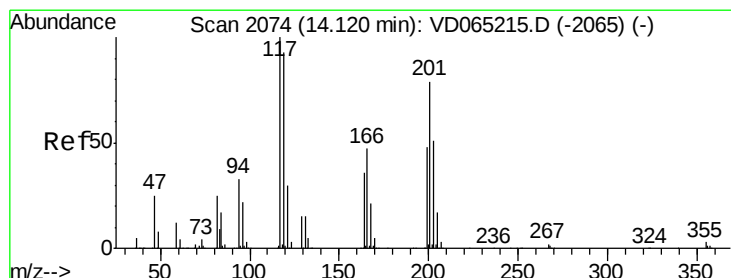
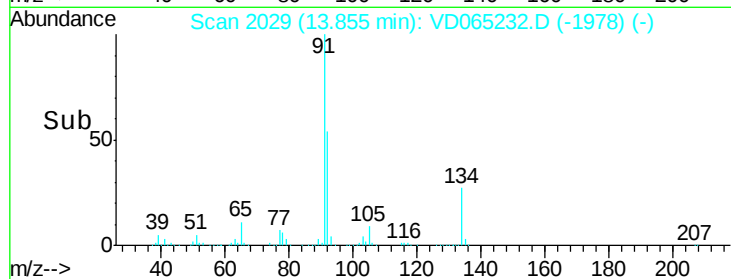
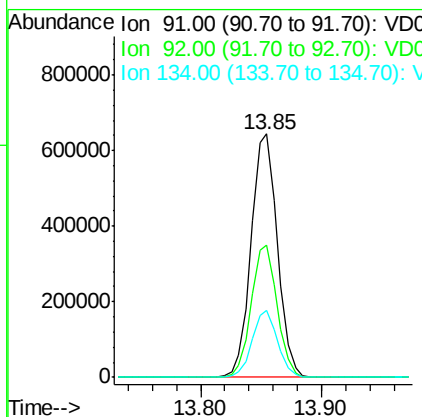
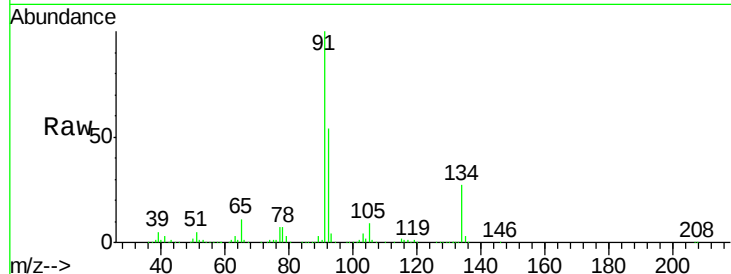
#89
n-Butylbenzene
Concen: 56.720 ug/l
RT: 13.85 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	80.8
134	26.7	13.5	40.4

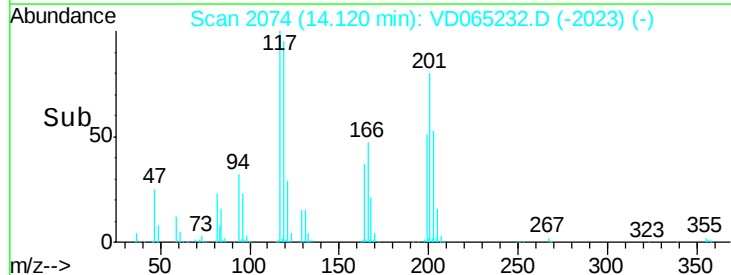
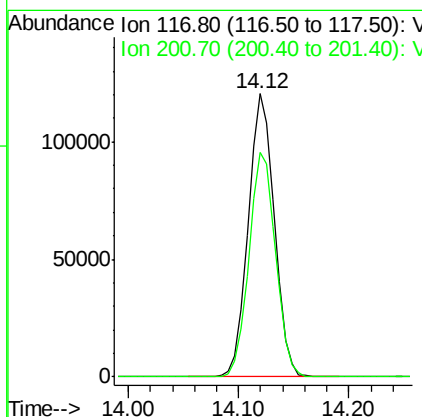
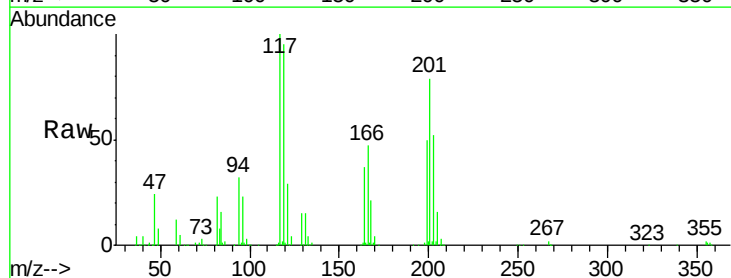
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#90
Hexachloroethane
Concen: 52.731 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.9	41.3	124.1





#91

1,2-Dichlorobenzene

Concen: 51.394 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.01 min

Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Instrument :

MSVOA_D

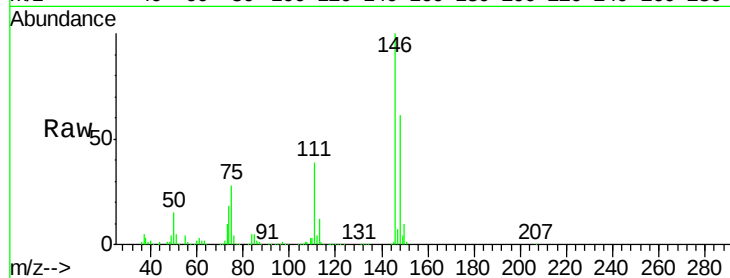
ClientSampleId :

VSTDCCC050

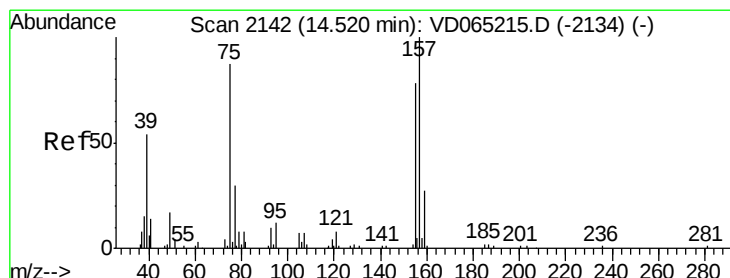
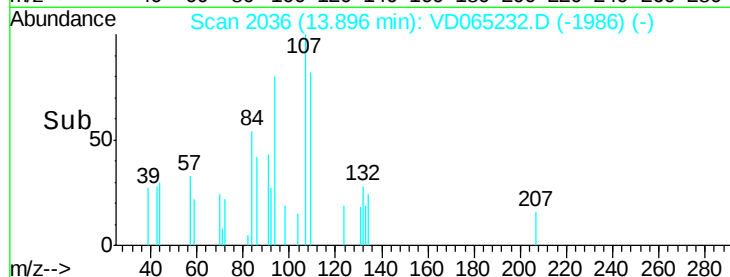
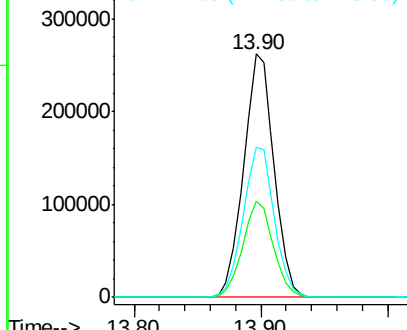
Tot Ion:	146	Resp:	434596
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.7	59.0
148	63.3	32.0	96.2

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



#92

1,2-Dibromo-3-Chloropropane

Concen: 46.000 ug/l

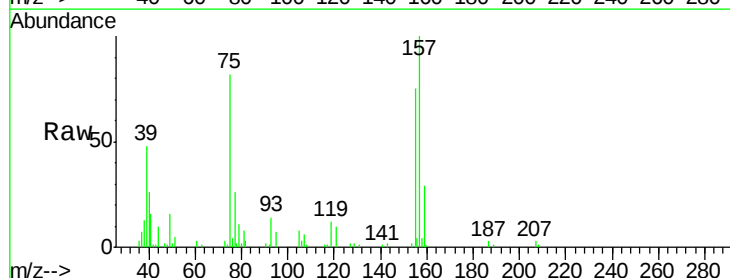
RT: 14.52 min Scan# 2142

Delta R.T. -0.00 min

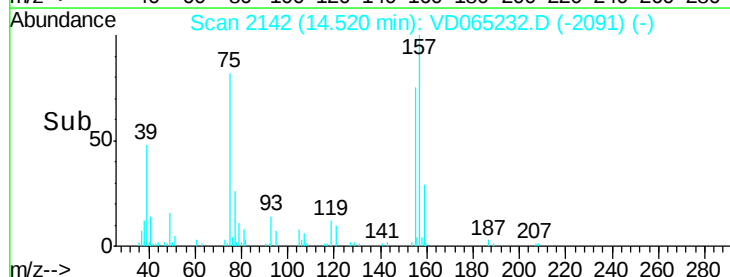
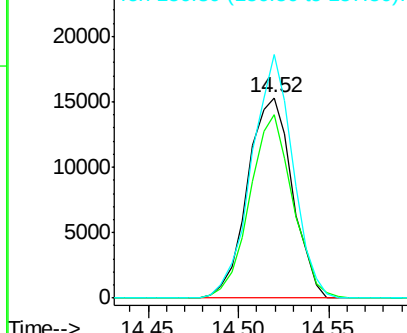
Lab File: VD065232.D

Acq: 19 Feb 2020 11:49

Tgt Ion:	75	Resp:	26247
Ion Ratio	Lower	Upper	
75	100		
155	88.2	42.3	126.9
157	112.3	56.7	170.1



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





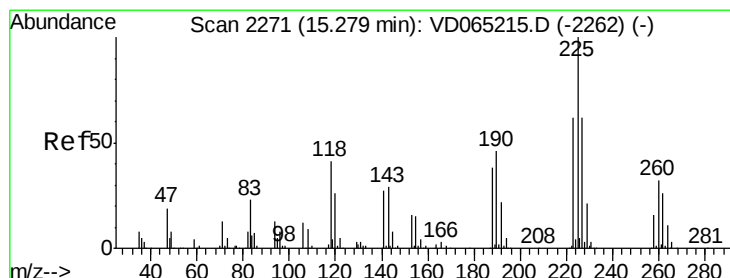
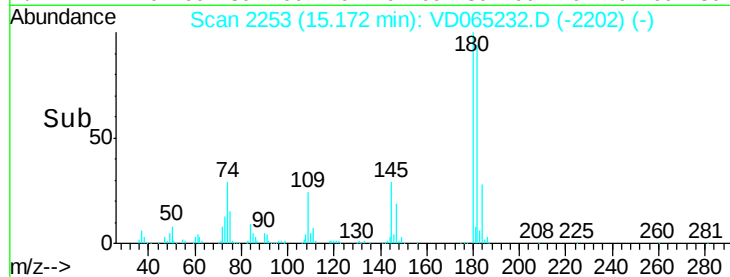
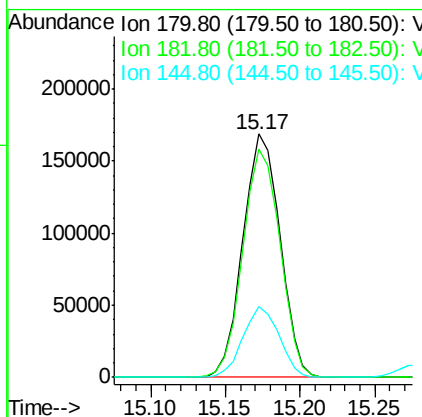
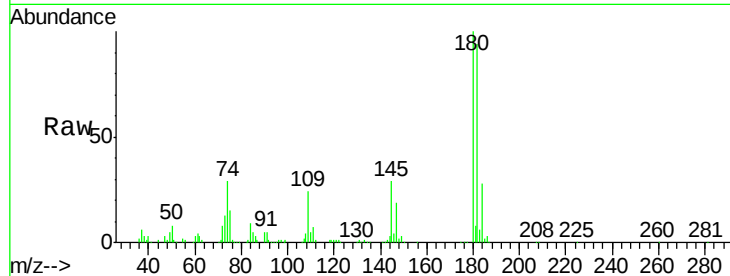
#93
 1,2,4-Trichlorobenzene
 Concen: 52.710 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	291558		
182	94.1	46.9	140.6	
145	28.6	13.9	41.7	

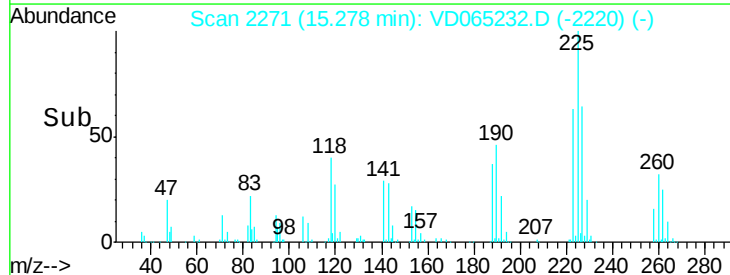
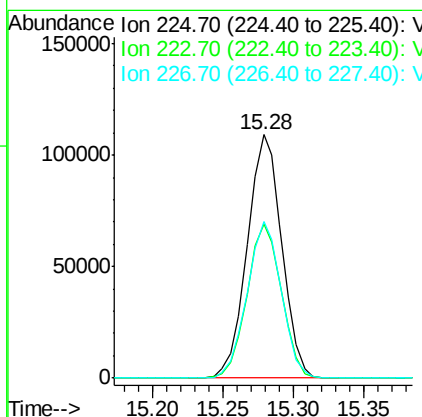
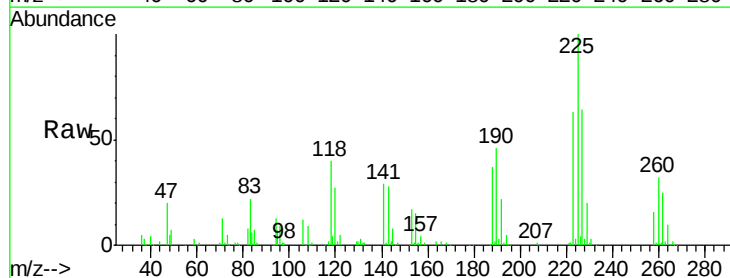
Manual Integrations
 APPROVED

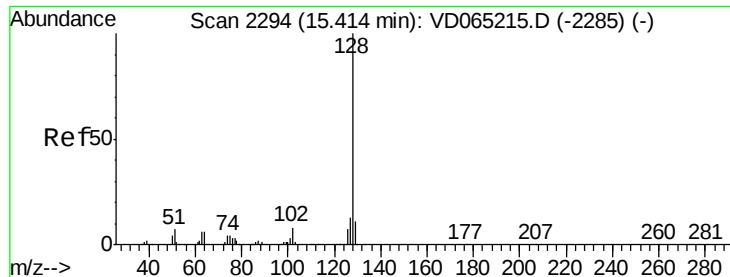
MMDadoda
 2/21/2020 5:25:35 PM



#94
 Hexachlorobutadiene
 Concen: 52.656 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. -0.00 min
 Lab File: VD065232.D
 Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	186835		
223	63.0	31.4	94.2	
227	63.6	31.7	95.1	





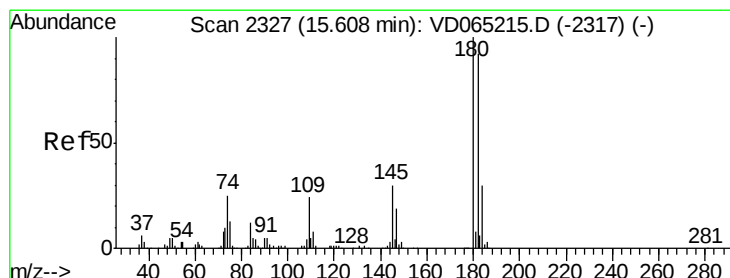
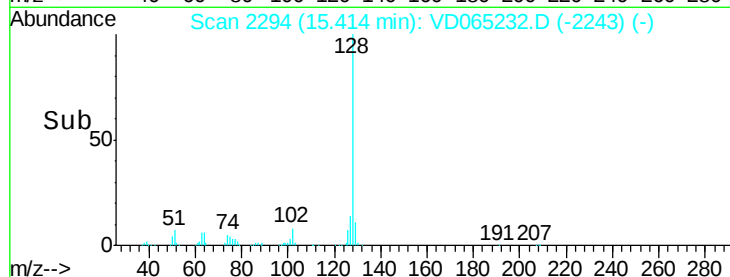
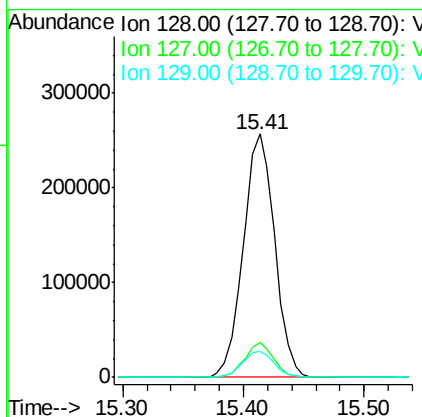
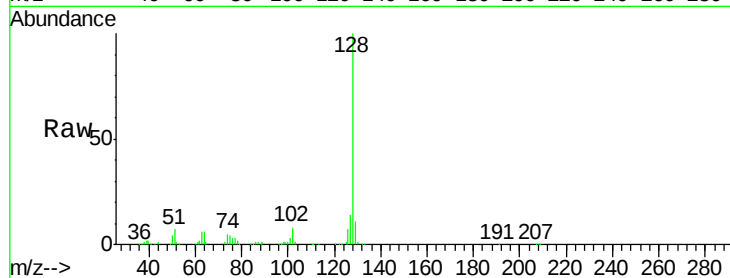
#95
Naphthalene
Concen: 51.732 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/21/2020 5:25:35 PM



#96
1,2,3-Trichlorobenzene
Concen: 51.188 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. -0.00 min
Lab File: VD065232.D
Acq: 19 Feb 2020 11:49

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.2	46.9	140.6
145	30.5	15.4	46.1

