

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022020\
 Data File : VD065247.D
 Acq On : 20 Feb 2020 10:27
 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 3:22:46 PM

Quant Time: Feb 21 04:16:50 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	529931	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	753971	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	686930	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	332564	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	219017	45.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.88%	
35) Dibromofluoromethane	7.92	113	230193	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
50) Toluene-d8	10.34	98	918654	52.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.54%	
62) 4-Bromofluorobenzene	12.64	95	282177	50.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.36%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	245537	55.242	ug/l	97
3) Chloromethane	2.21	50	285136	50.401	ug/l	97
4) Vinyl Chloride	2.36	62	291135	50.608	ug/l	96
5) Bromomethane	2.77	94	164548	47.307	ug/l	95
6) Chloroethane	2.93	64	173611	49.441	ug/l	99
7) Trichlorofluoromethane	3.27	101	414479	50.324	ug/l	97
8) Diethyl Ether	3.71	74	117220	47.150	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	4.09	101	266070	51.156	ug/l	99
10) Methyl Iodide	4.30	142	306407	56.739	ug/l	100
11) Tert butyl alcohol	5.24	59	56106	196.949	ug/l	98
12) 1,1-Dichloroethene	4.07	96	248948	50.669	ug/l	97
13) Acrolein	3.93	56	94166	272.485	ug/l	99
14) Allyl chloride	4.71	41	407027	51.014	ug/l	99
15) Acrylonitrile	5.43	53	251137	228.164	ug/l	99
16) Acetone	4.17	43	306029	262.604	ug/l	96
17) Carbon Disulfide	4.40	76	845717	51.342	ug/l	98
18) Methyl Acetate	4.72	43	115206	43.955	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	493313	48.148	ug/l	97
20) Methylene Chloride	4.97	84	273595	53.015	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	287436	51.461	ug/l	97
22) Diisopropyl ether	6.37	45	778229	50.596	ug/l	99
23) Vinyl Acetate	6.31	43	2104907	248.234	ug/l	100
24) 1,1-Dichloroethane	6.27	63	469816	49.245	ug/l	98
25) 2-Butanone	7.22	43	341333	231.500	ug/l	98
26) 2,2-Dichloropropane	7.21	77	416408	50.306	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	295781	49.993	ug/l	99
28) Bromochloromethane	7.55	49	183592	51.871	ug/l	100
29) Tetrahydrofuran	7.57	42	195881	226.738	ug/l	99
30) Chloroform	7.71	83	475659	49.488	ug/l	94
31) Cyclohexane	7.98	56	469300	50.066	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	434165	50.486	ug/l	100
36) 1,1-Dichloropropene	8.11	75	396012	53.981	ug/l	100
37) Ethyl Acetate	7.30	43	140857	45.929	ug/l	99
38) Carbon Tetrachloride	8.10	117	395603	52.972	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	486412	56.398	ug/l	100
40) Benzene	8.36	78	1103926	53.312	ug/l	99
41) Methacrylonitrile	7.53	41	94903	53.594	ug/l	89
42) 1,2-Dichloroethane	8.43	62	282068	49.549	ug/l	100
43) Isopropyl Acetate	8.46	43	260691	46.744	ug/l	97
44) Trichloroethene	9.11	130	306264	53.357	ug/l	99
45) 1,2-Dichloropropane	9.39	63	267216	51.897	ug/l	97
46) Dibromomethane	9.48	93	134701	50.845	ug/l	98
47) Bromodichloromethane	9.67	83	355835	50.967	ug/l	98
48) Methyl methacrylate	9.46	41	140005	54.311	ug/l	93
49) 1,4-Dioxane	9.47	88	29227	940.629	ug/l	94
51) 4-Methyl-2-Pentanone	10.24	43	676463	238.811	ug/l	100
52) Toluene	10.41	92	705598	55.051	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	332639	51.401	ug/l	98
54) cis-1,3-Dichloropropene	10.10	75	410028	52.470	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	183548	49.224	ug/l	97
56) Ethyl methacrylate	10.67	69	217768	50.598	ug/l	98
57) 1,3-Dichloropropane	10.96	76	318109	50.124	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.95	63	295907	218.076	ug/l	100
59) 2-Hexanone	10.99	43	526869	259.835	ug/l	98
60) Dibromochloromethane	11.14	129	237108	49.681	ug/l	99
61) 1,2-Dibromoethane	11.25	107	177987	50.414	ug/l	99
64) Tetrachloroethene	10.88	164	260961	53.564	ug/l	97
65) Chlorobenzene	11.68	112	717960	52.083	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.75	131	260198	50.581	ug/l	100
67) Ethyl Benzene	11.75	91	1299275	53.816	ug/l	99
68) m/p-Xylenes	11.86	106	1009357	109.275	ug/l	99
69) o-Xylene	12.19	106	453209	55.381	ug/l	98
70) Styrene	12.20	104	793643	54.624	ug/l	100
71) Bromoform	12.37	173	137234	48.076	ug/l #	98
73) Isopropylbenzene	12.48	105	1236653	56.167	ug/l	100
74) N-amyl acetate	12.30	43	234140	47.858	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	189274	47.632	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	133863m	47.309	ug/l	
77) Bromobenzene	12.77	156	286007	52.312	ug/l	99
78) n-propylbenzene	12.83	91	1469507	55.540	ug/l	99
79) 2-Chlorotoluene	12.91	91	802440	54.137	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	1010161	55.705	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	62345	47.574	ug/l	97
82) 4-Chlorotoluene	13.01	91	833882	52.992	ug/l	98
83) tert-Butylbenzene	13.23	119	875761	57.621	ug/l	98
84) 1,2,4-Trimethylbenzene	13.28	105	1001391	55.171	ug/l	99
85) sec-Butylbenzene	13.41	105	1214903	55.474	ug/l	100
86) p-Isopropyltoluene	13.53	119	1127929	56.318	ug/l	99
87) 1,3-Dichlorobenzene	13.53	146	548990	51.941	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	538607	51.633	ug/l	99
89) n-Butylbenzene	13.86	91	1040400	56.374	ug/l	100
90) Hexachloroethane	14.12	117	213322	52.457	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	463178	51.037	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27943	45.632	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	316786	53.364	ug/l	99
94) Hexachlorobutadiene	15.28	225	206786	54.303	ug/l	100
95) Naphthalene	15.41	128	497655	51.568	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	266225	51.350	ug/l	98

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

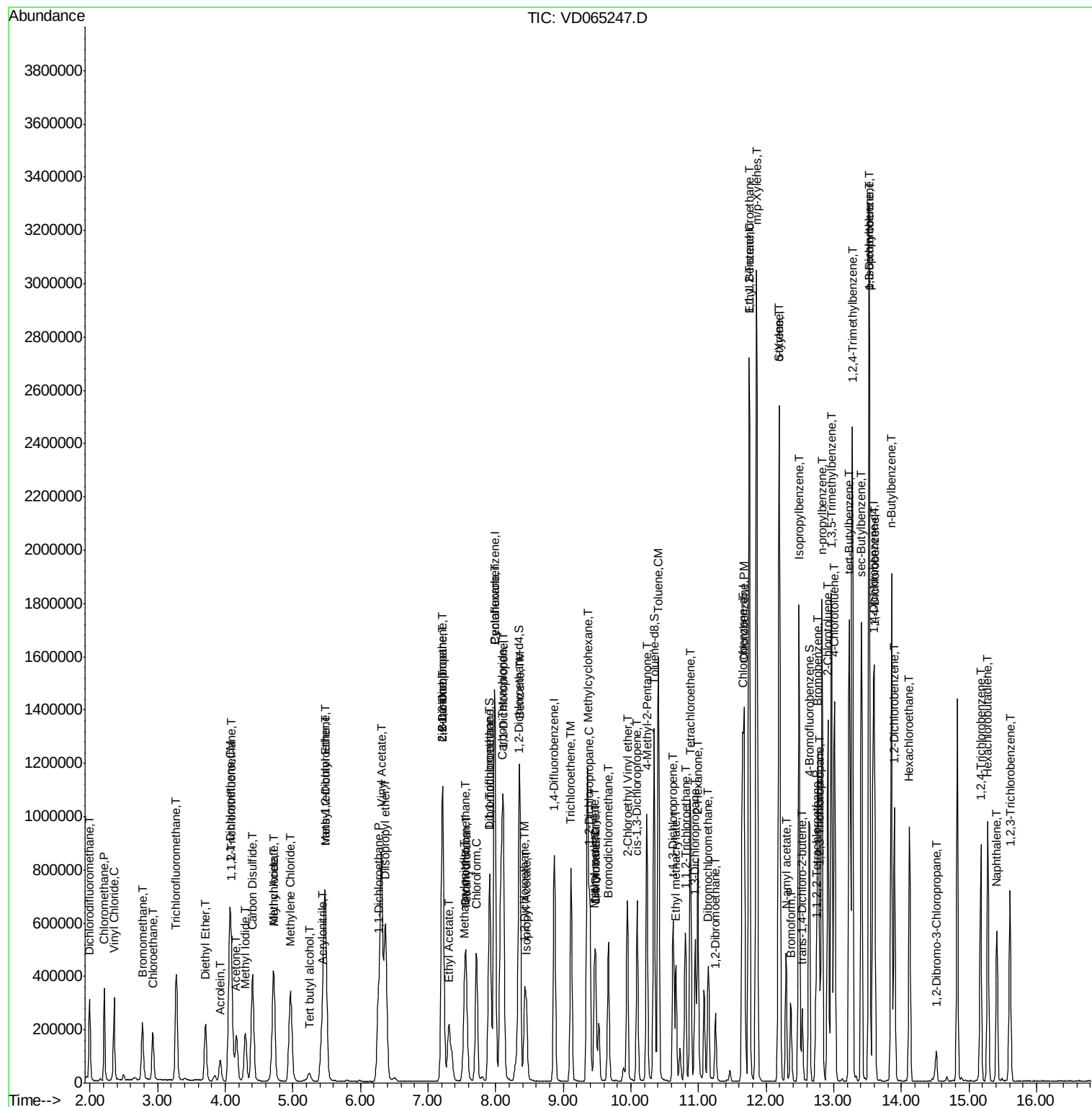
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022020\
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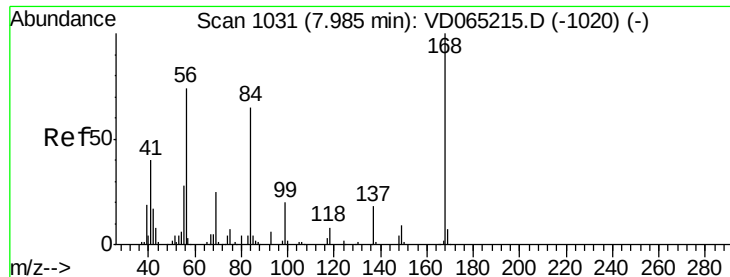
Instrument :
 MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 529931

Ion Ratio Lower Upper

168 100

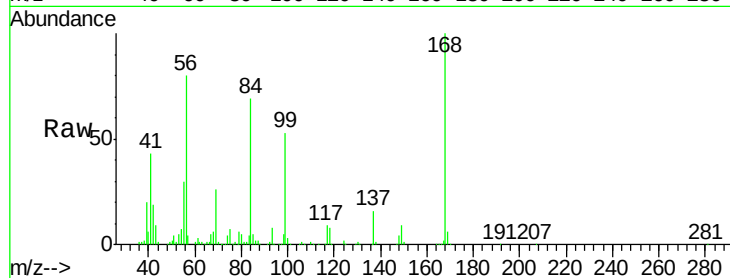
99 52.7 41.4 62.2

Manual Integrations

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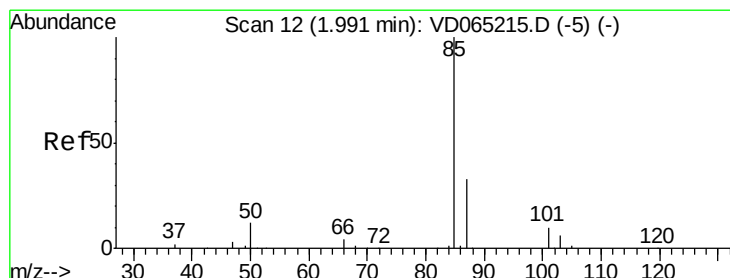
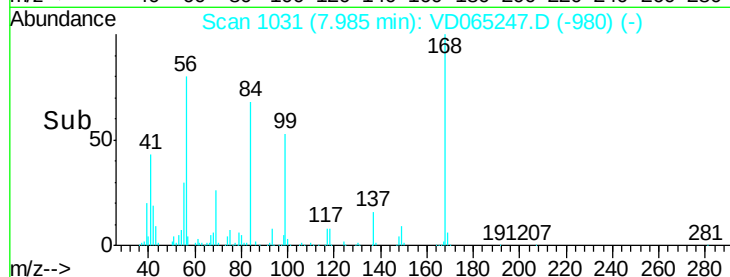
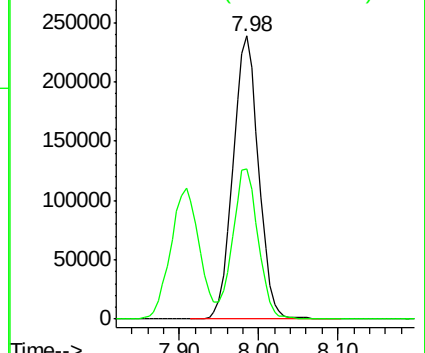
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 55.242 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065247.D

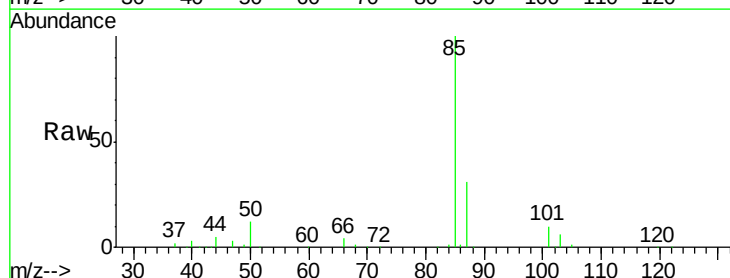
Acq: 20 Feb 2020 10:27

Tgt Ion: 85 Resp: 245537

Ion Ratio Lower Upper

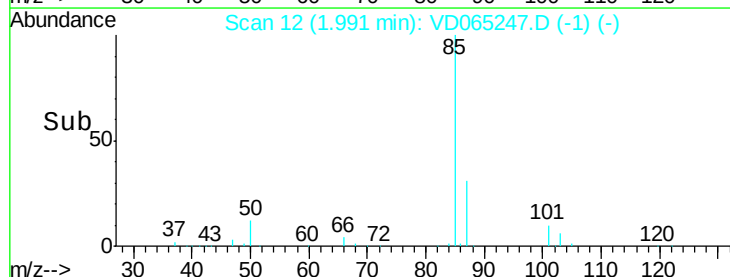
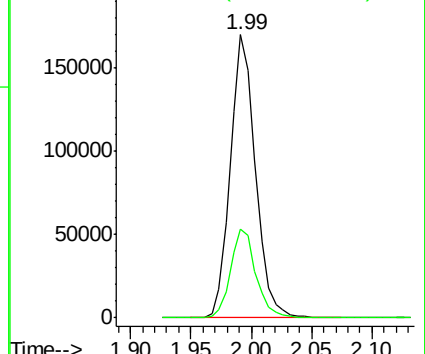
85 100

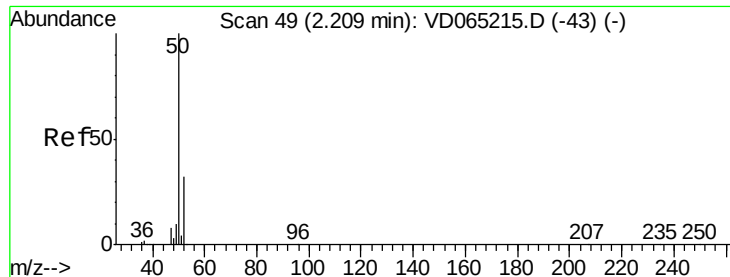
87 31.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 50.401 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 285136

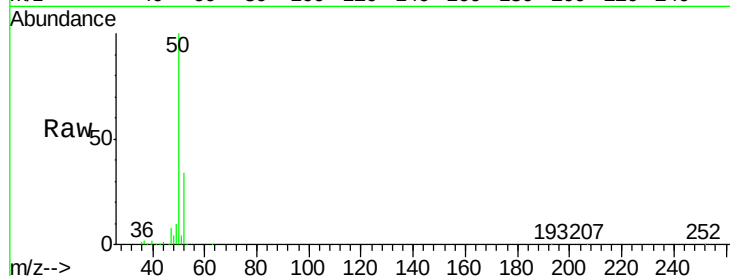
Ion Ratio Lower Upper

50 100

52 33.8 25.5 38.3

Manual Integrations
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

200000

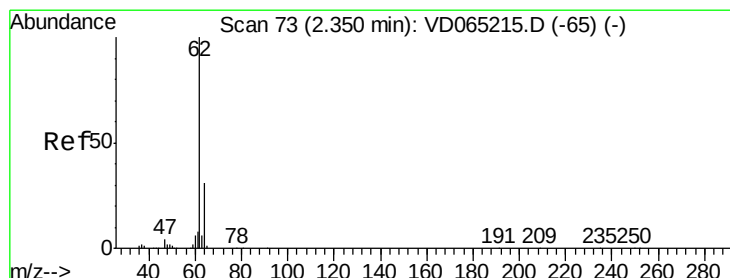
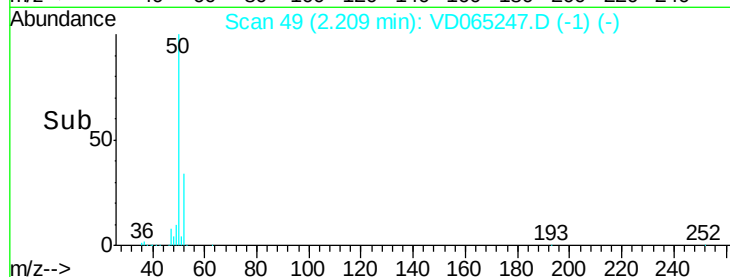
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 50.608 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065247.D

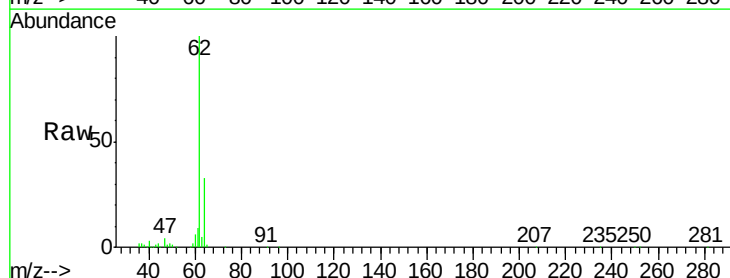
Acq: 20 Feb 2020 10:27

Tgt Ion: 62 Resp: 291135

Ion Ratio Lower Upper

62 100

64 33.3 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.36

200000

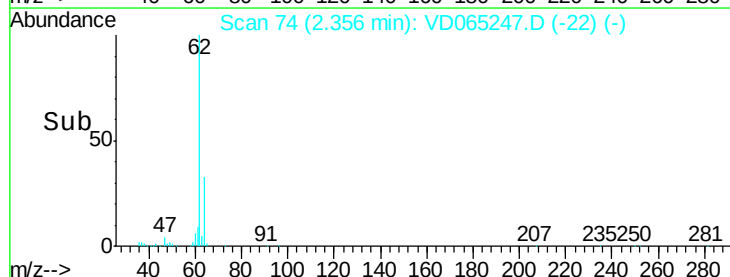
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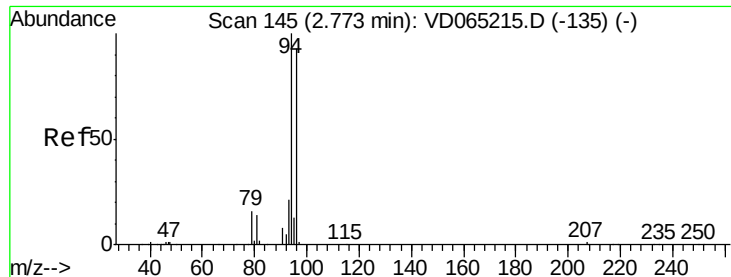
100000

50000

0

Time-->





#5

Bromomethane

Concen: 47.307 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 164548

Ion Ratio Lower Upper

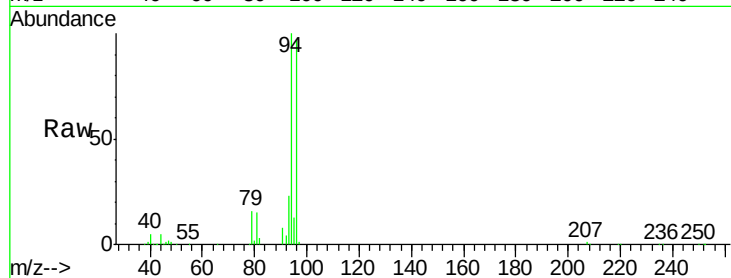
94 100

96 97.3 74.2 111.4

Manual Integrations
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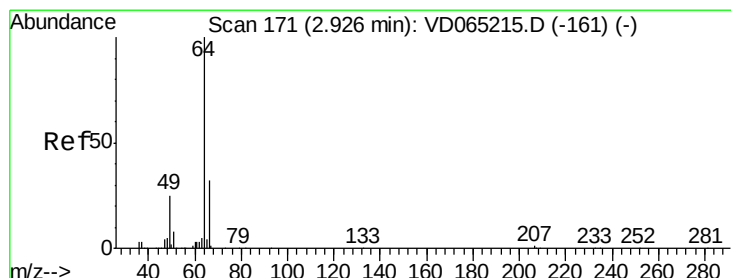
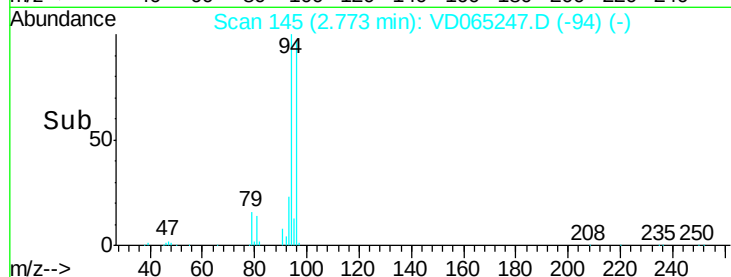
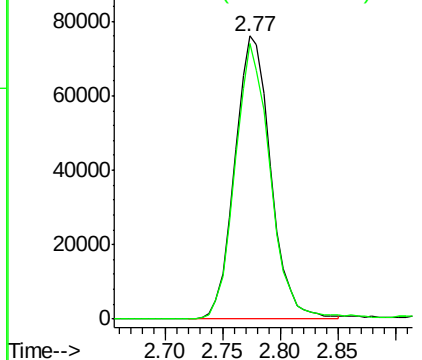
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.441 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065247.D

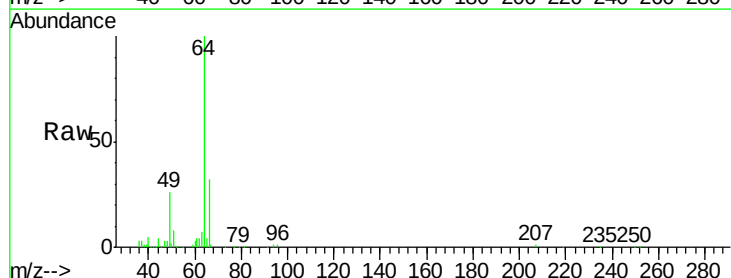
Acq: 20 Feb 2020 10:27

Tgt Ion: 64 Resp: 173611

Ion Ratio Lower Upper

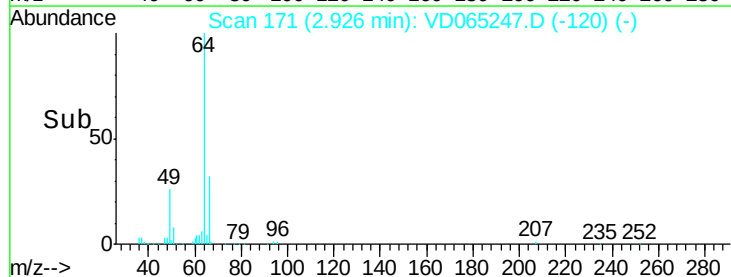
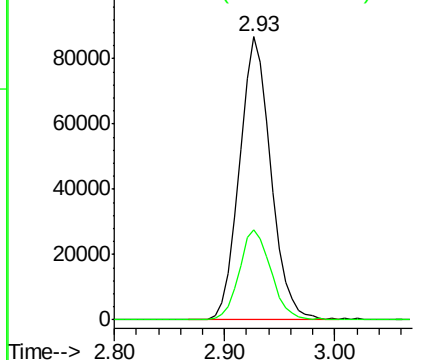
64 100

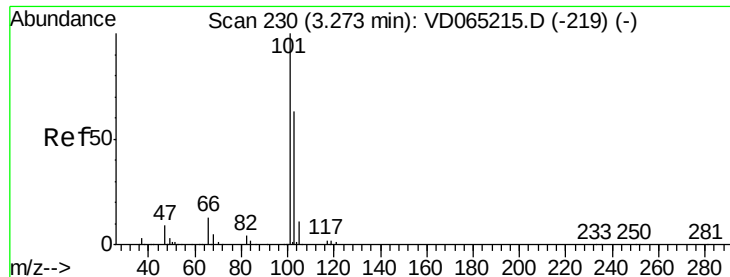
66 31.8 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

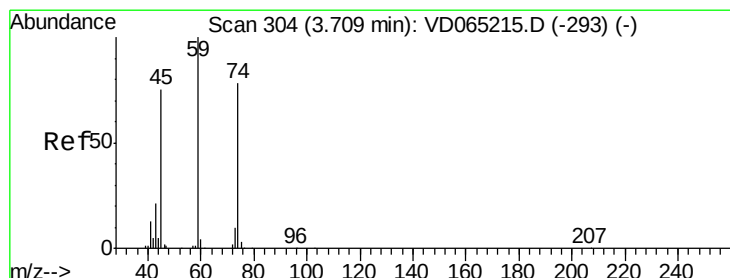
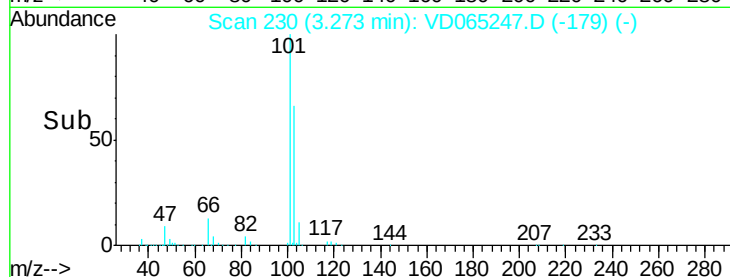
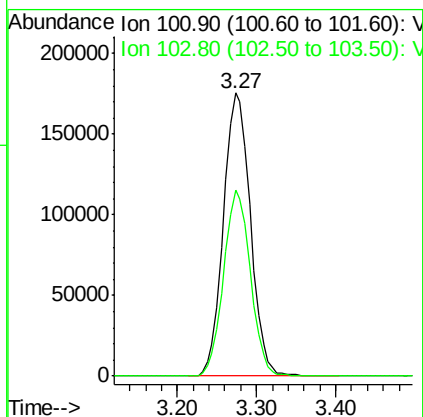
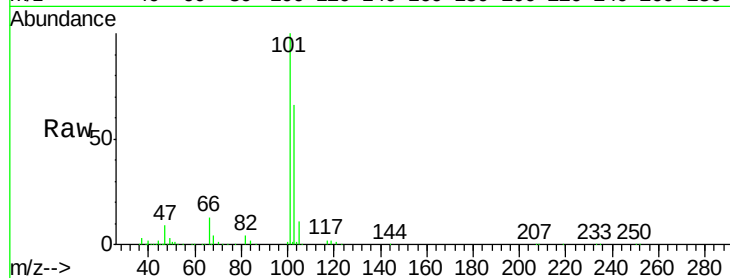
Trichlorofluoromethane
Concen: 50.324 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

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Tot Ion	Ratio	Lower	Upper
101	100		
103	65.6	50.7	76.1

Manual Integrations
APPROVED

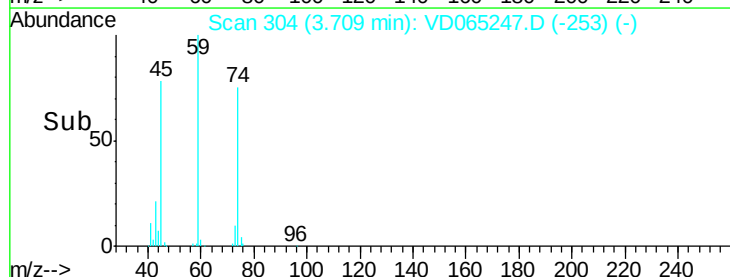
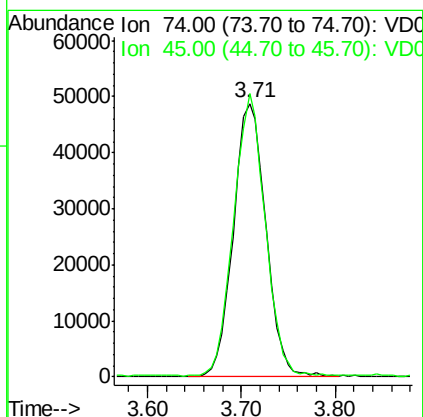
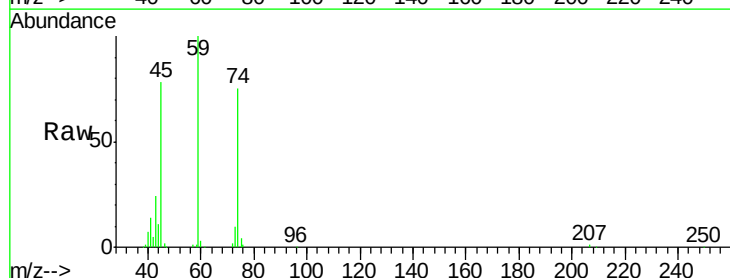
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2/21/2020 3:22:46 PM

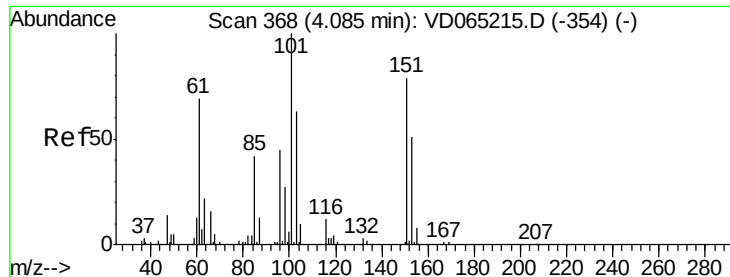


#8

Diethyl Ether
Concen: 47.150 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
74	100		
45	100.3	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.156 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

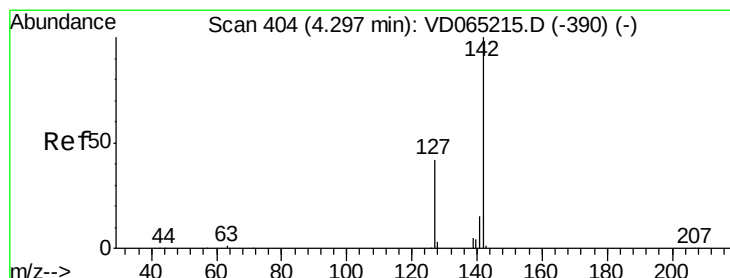
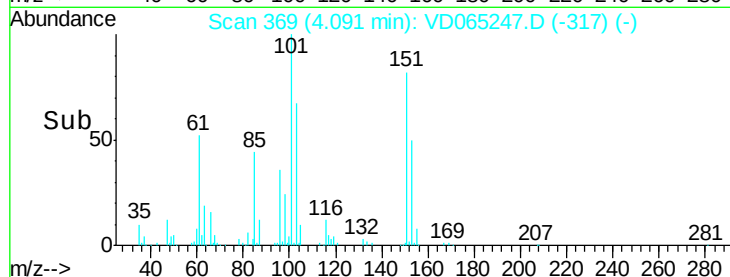
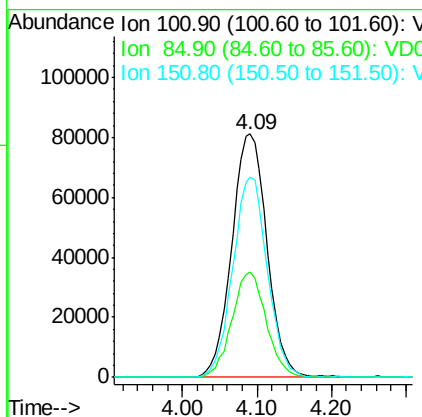
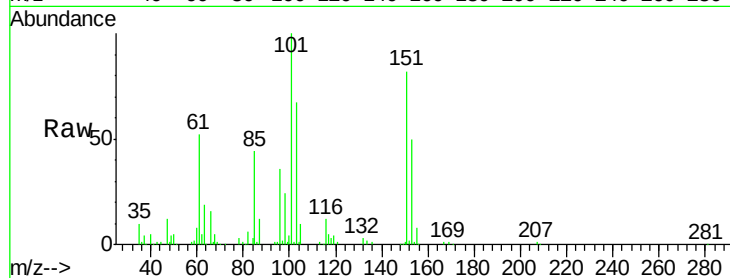
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	266070
Ion Ratio	Lower	Upper	
101	100		
85	42.0	34.2	51.2
151	80.6	63.5	95.3

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#10

Methyl Iodide

Concen: 56.739 ug/l

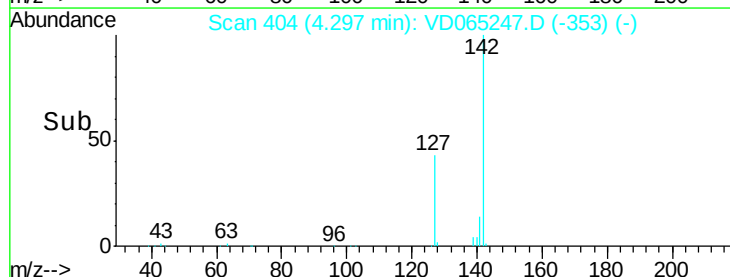
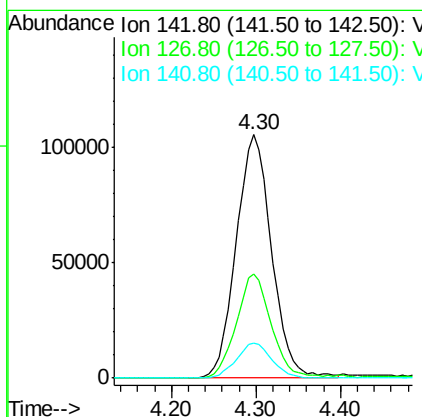
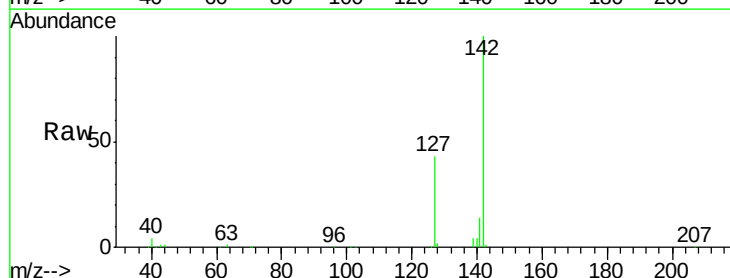
RT: 4.30 min Scan# 404

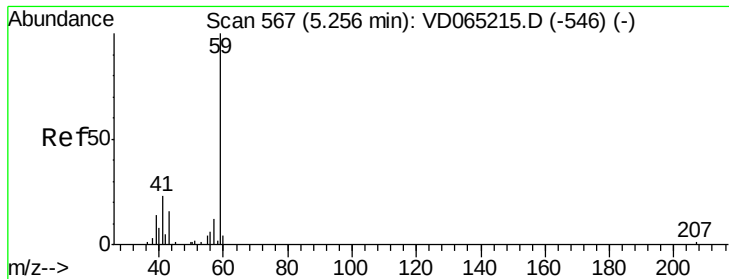
Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tgt Ion:	142	Resp:	306407
Ion Ratio	Lower	Upper	
142	100		
127	42.3	33.8	50.8
141	14.2	11.7	17.5





#11

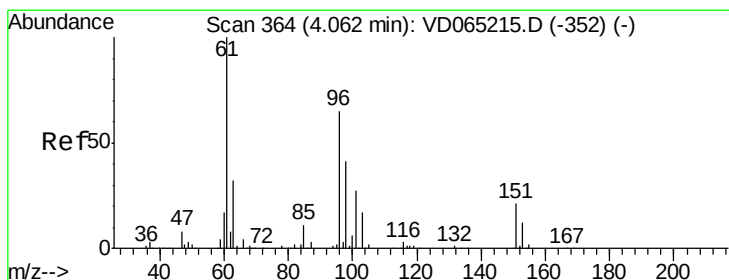
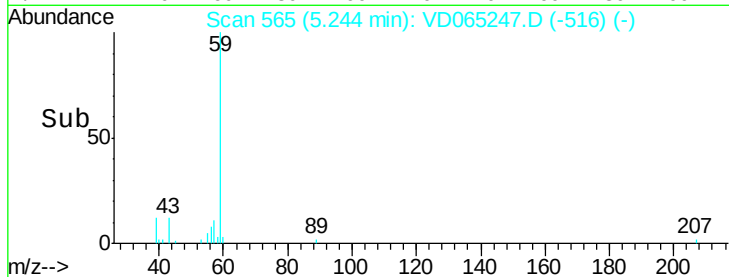
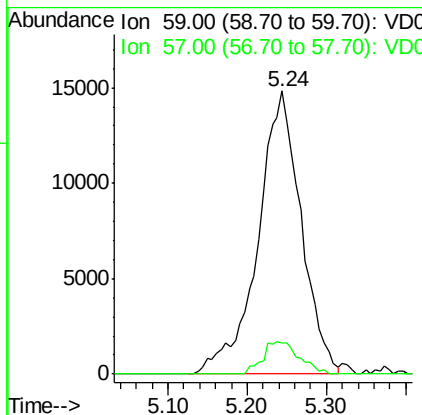
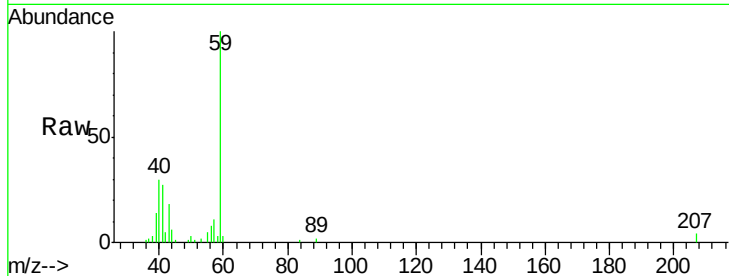
Tert butyl alcohol
Concen: 196.949 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
59	100	56106		
57	9.8		8.4	12.6

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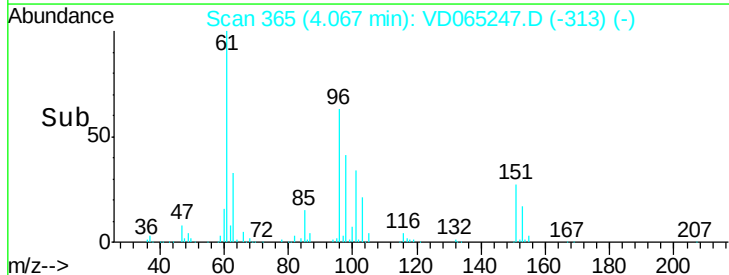
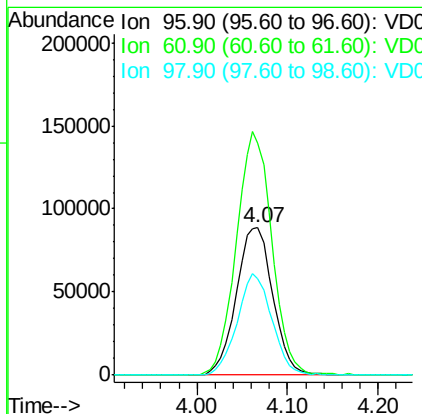
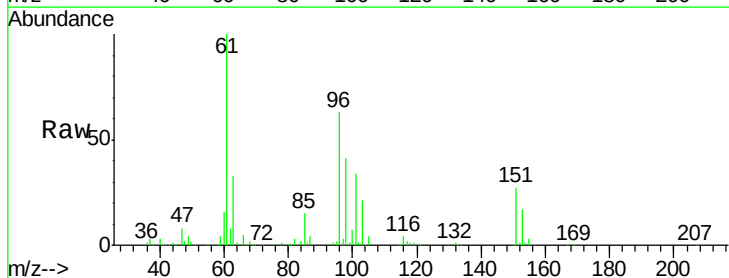
MMDadoda
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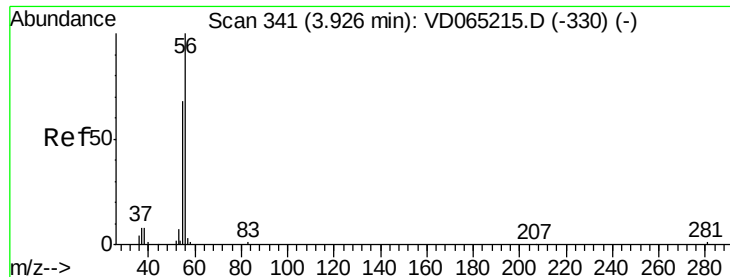


#12

1,1-Dichloroethene
Concen: 50.669 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	248948		
61	157.9		123.3	184.9
98	65.3		51.0	76.4





#13

Acrolein

Concen: 272.485 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 94166

Ion Ratio Lower Upper

56 100

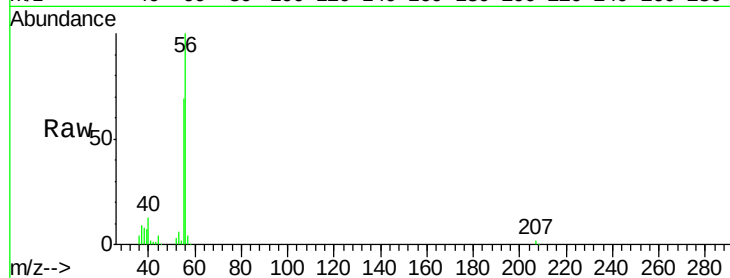
55 72.0 56.6 85.0

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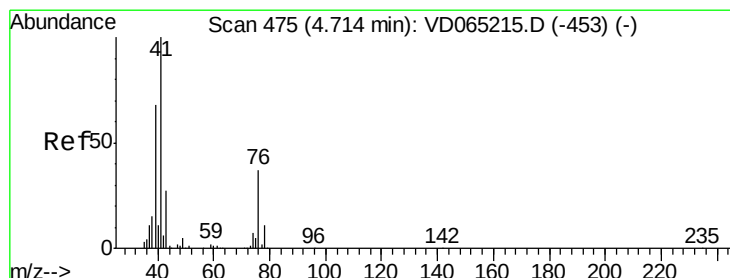
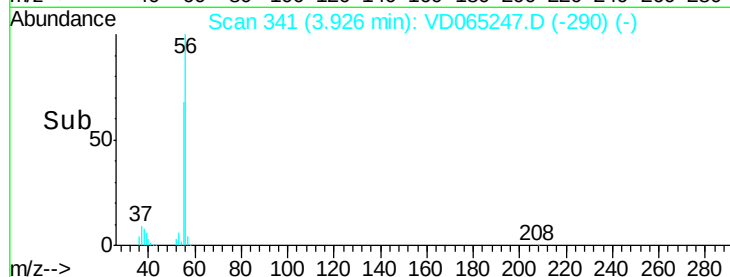
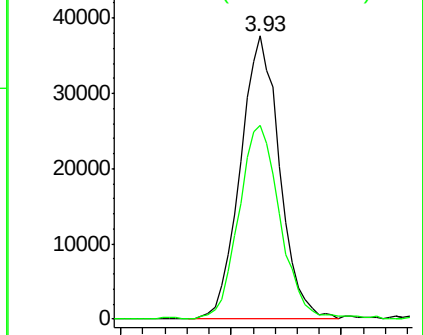
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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 51.014 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

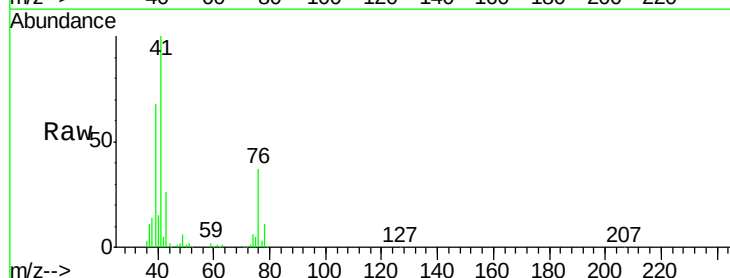
Tgt Ion: 41 Resp: 407027

Ion Ratio Lower Upper

41 100

39 66.2 53.8 80.6

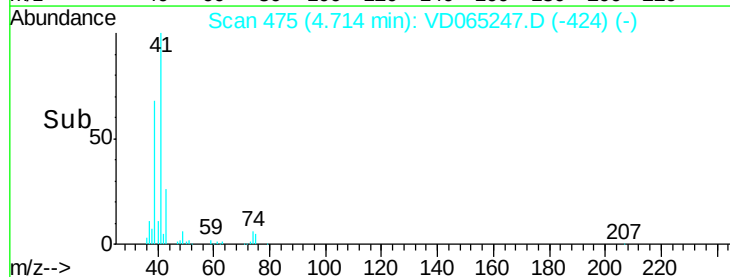
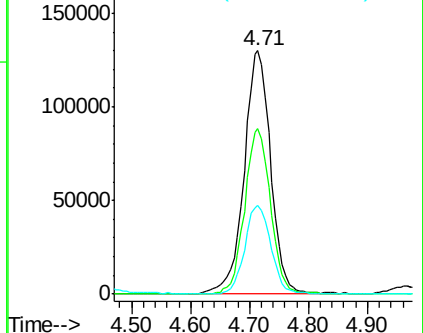
76 35.2 28.7 43.1

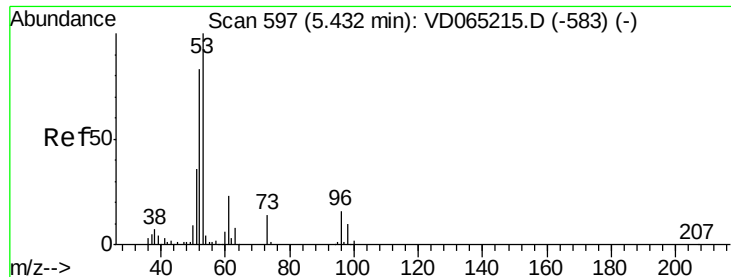


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 228.164 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

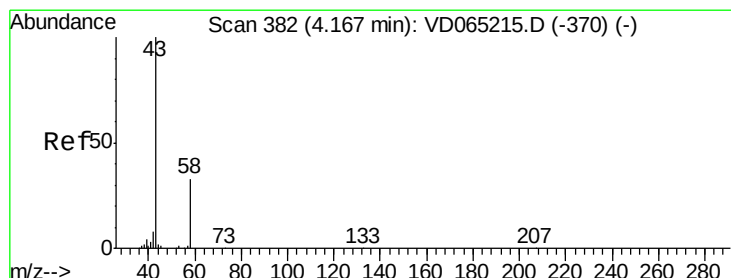
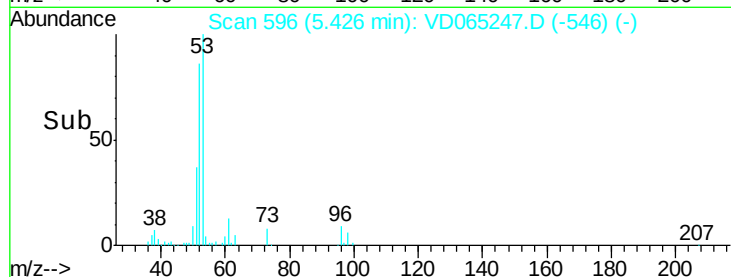
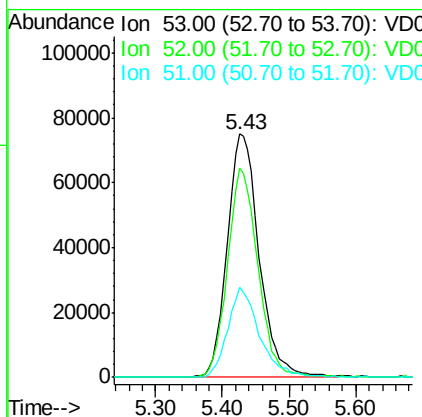
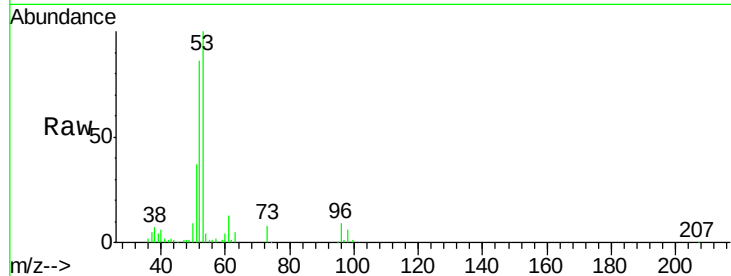
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	251137
Ion Ratio	Lower	Upper	
53	100		
52	82.1	65.4	98.2
51	36.4	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 262.604 ug/l

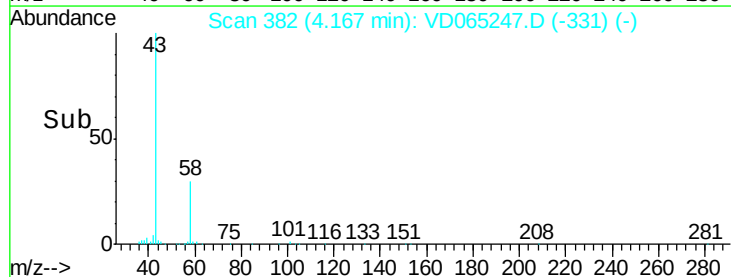
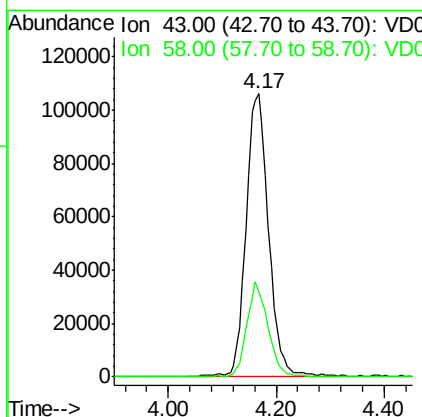
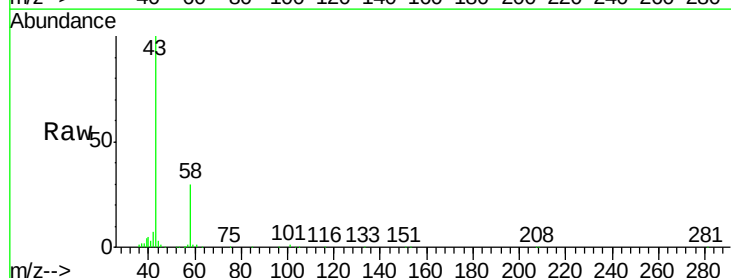
RT: 4.17 min Scan# 382

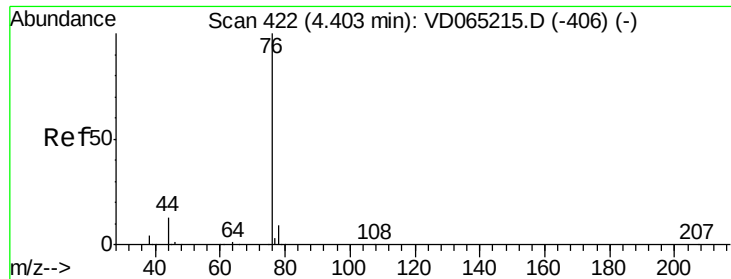
Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tgt Ion:	43	Resp:	306029
Ion Ratio	Lower	Upper	
43	100		
58	30.2	26.2	39.2





#17

Carbon Disulfide

Concen: 51.342 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 845717

Ion Ratio Lower Upper

76 100

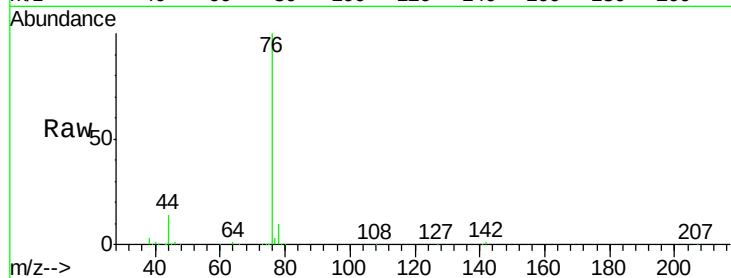
78 9.6 7.0 10.6

Manual Integrations

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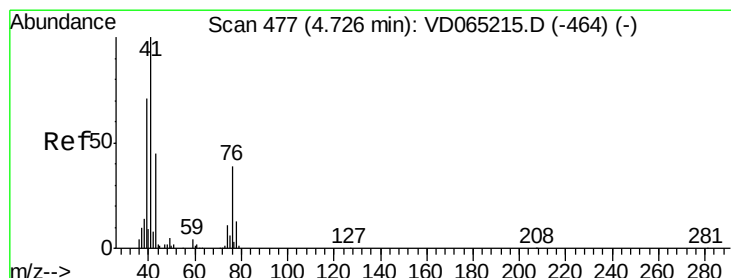
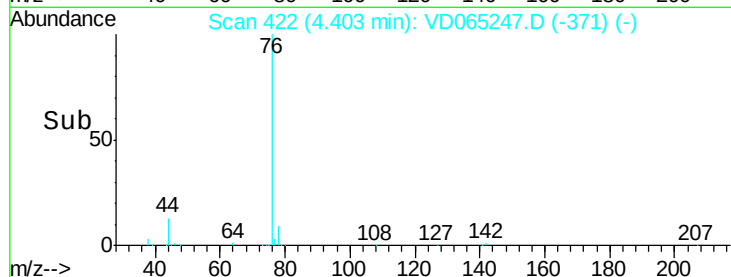
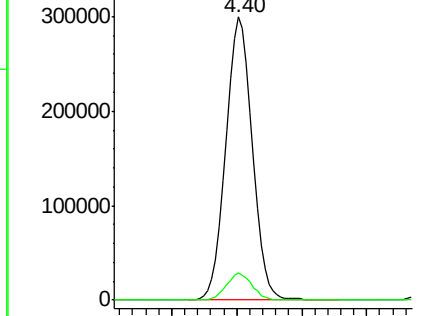
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 43.955 ug/l

RT: 4.72 min Scan# 476

Delta R.T. -0.01 min

Lab File: VD065247.D

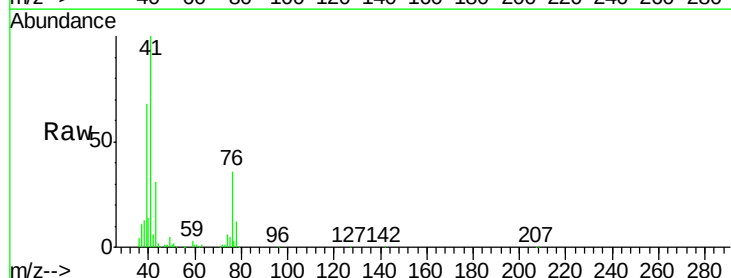
Acq: 20 Feb 2020 10:27

Tgt Ion: 43 Resp: 115206

Ion Ratio Lower Upper

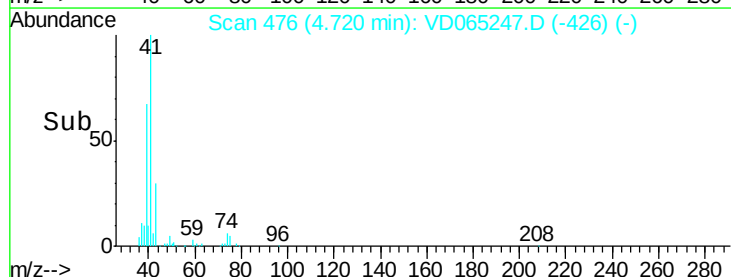
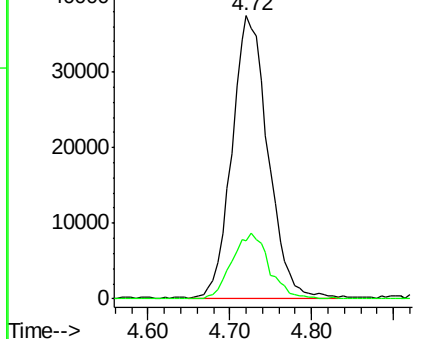
43 100

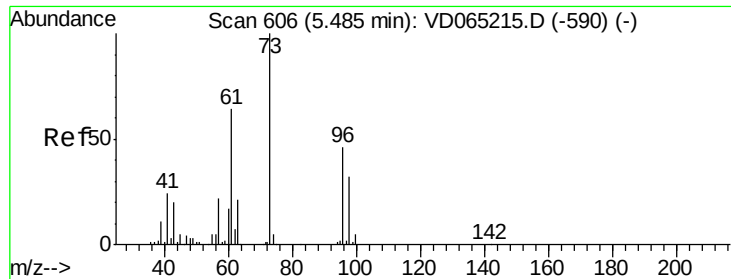
74 23.8 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





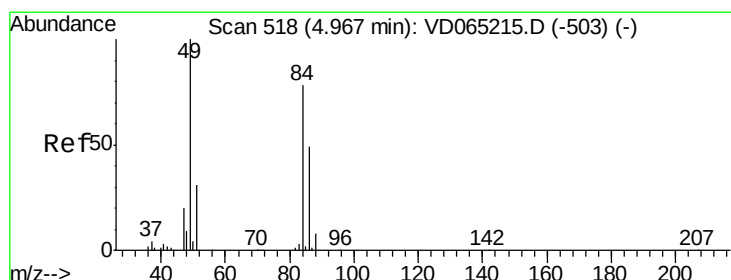
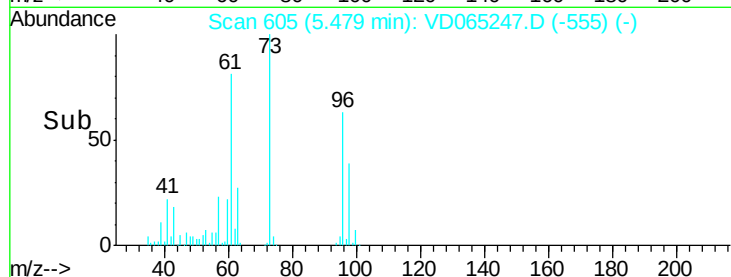
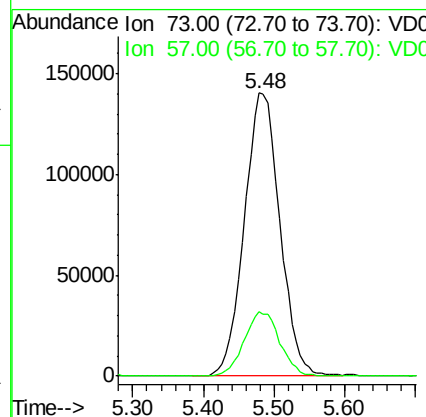
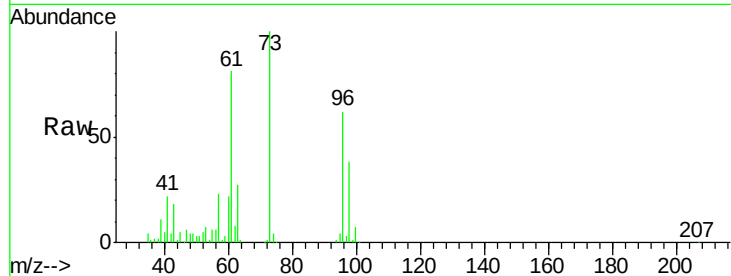
#19
Methyl tert-butyl Ether
Concen: 48.148 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 493313
Ion Ratio Lower Upper
73 100
57 23.0 17.3 25.9

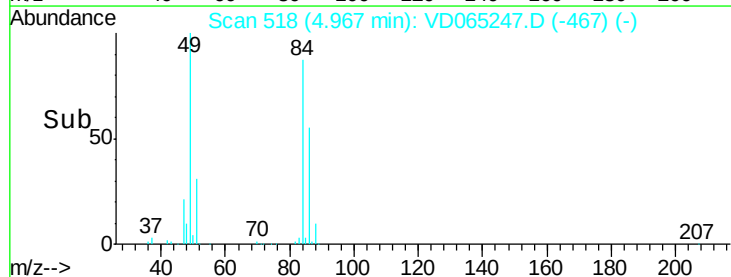
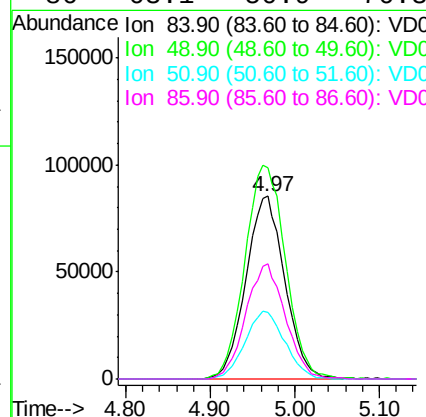
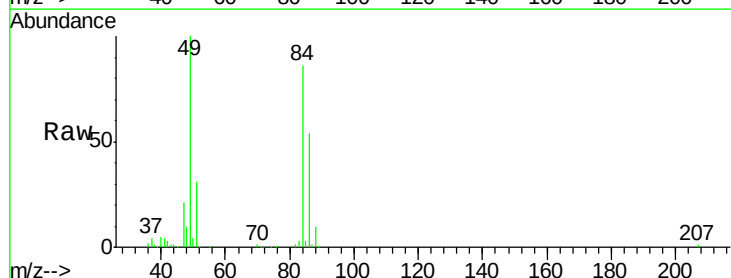
Manual Integrations
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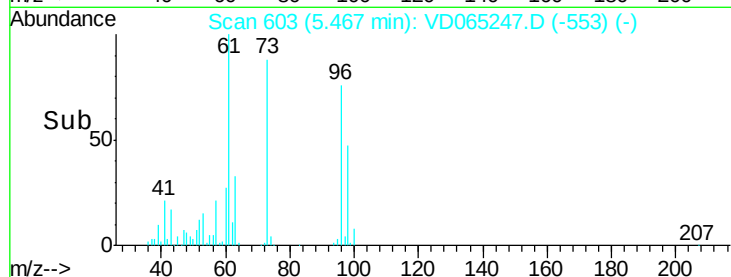
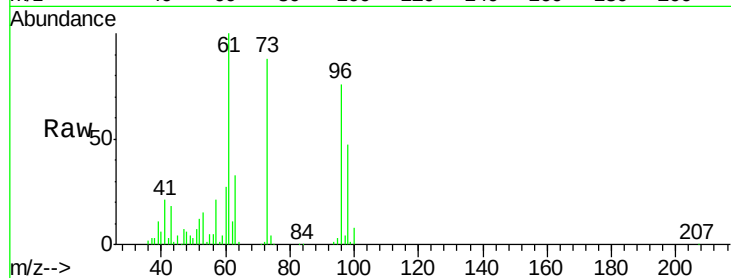
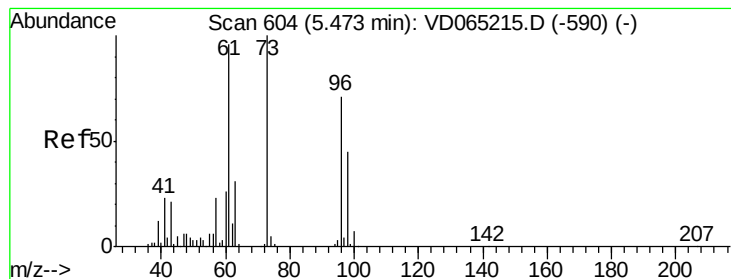
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#20
Methylene Chloride
Concen: 53.015 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 84 Resp: 273595
Ion Ratio Lower Upper
84 100
49 115.8 103.1 154.7
51 36.2 31.7 47.5
86 63.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 51.461 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tot Ion:	96	Resp:	287436
Ion	Ratio	Lower	Upper
96	100		
61	131.6	108.3	162.5
98	61.9	50.7	76.1

Instrument :

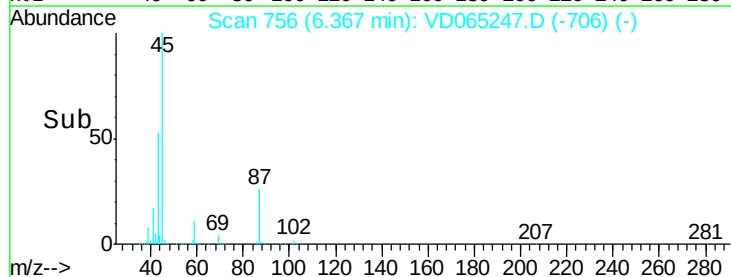
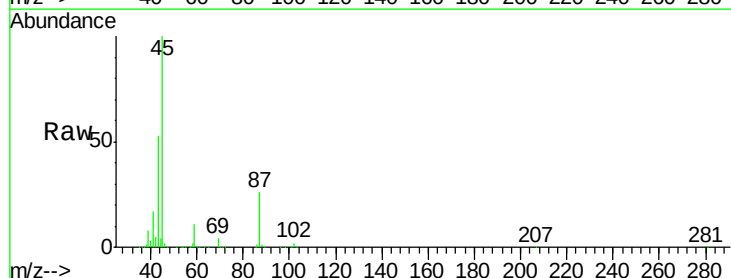
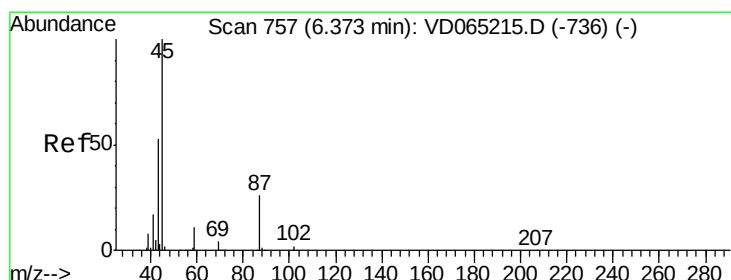
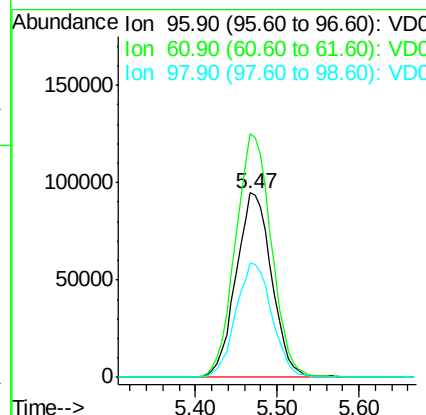
MSVOA_D

ClientSampleId :

VSTDCCC050

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#22

Diisopropyl ether

Concen: 50.596 ug/l

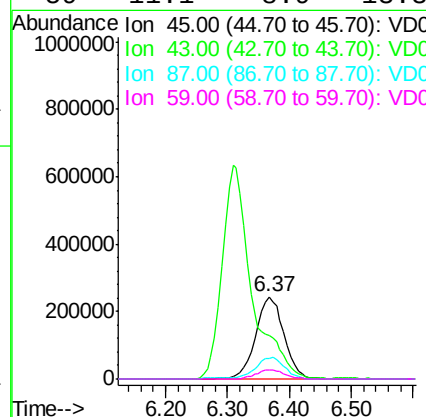
RT: 6.37 min Scan# 756

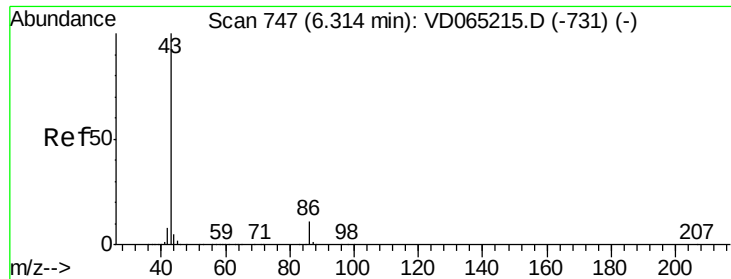
Delta R.T. -0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tgt Ion:	45	Resp:	778229
Ion	Ratio	Lower	Upper
45	100		
43	52.8	42.6	64.0
87	25.5	21.2	31.8
59	11.1	8.9	13.3





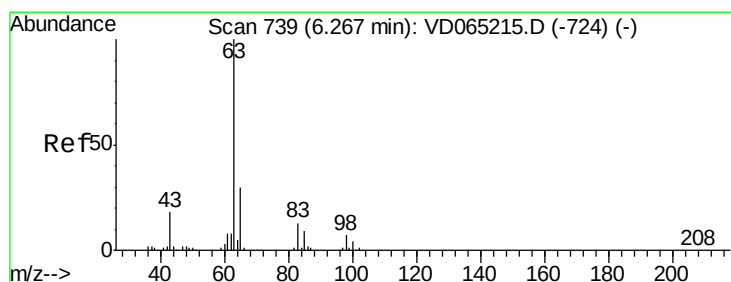
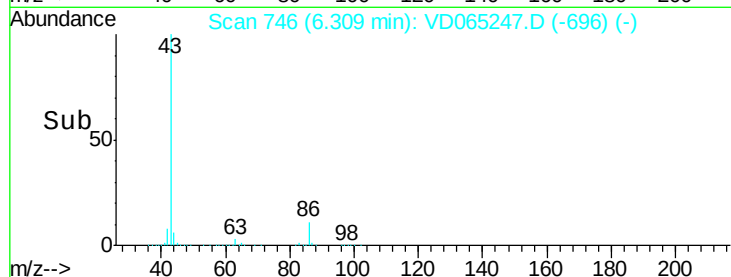
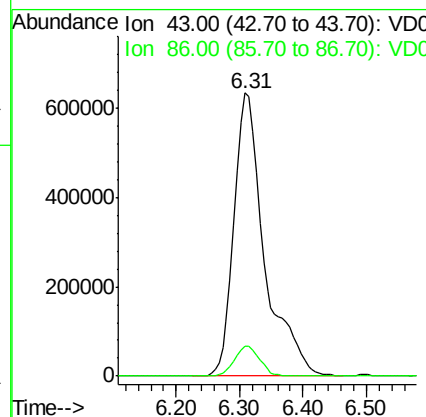
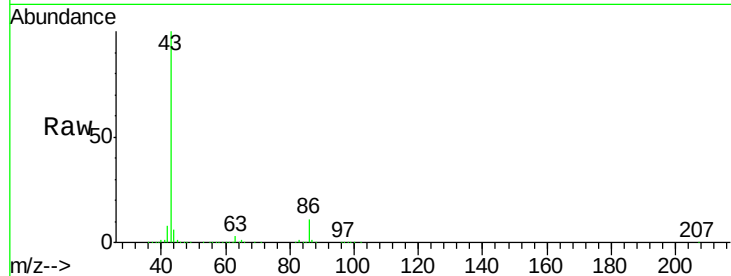
#23
Vinyl Acetate
Concen: 248.234 ug/l
RT: 6.31 min Scan# 746
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 2104907
Ion Ratio Lower Upper
43 100
86 10.7 8.6 12.8

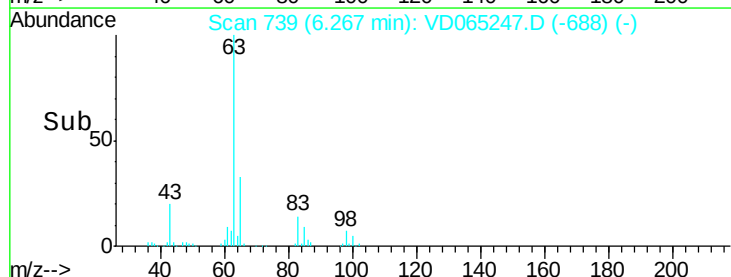
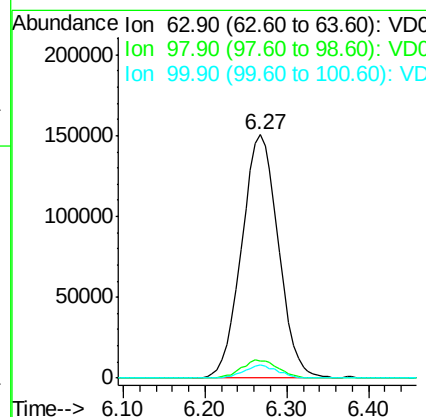
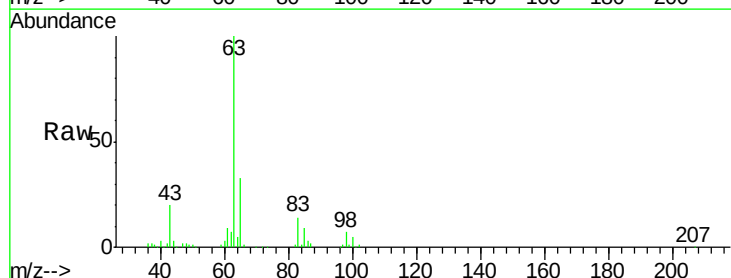
Manual Integrations
APPROVED

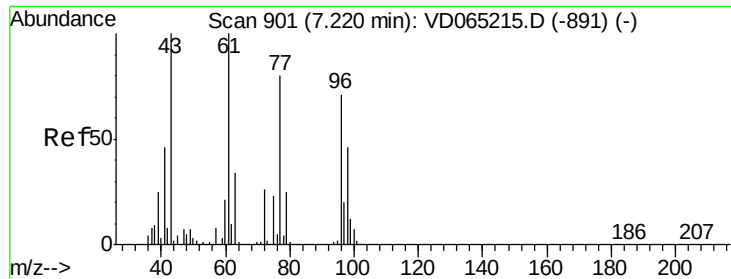
MMDadoda
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#24
1,1-Dichloroethane
Concen: 49.245 ug/l
RT: 6.27 min Scan# 739
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 63 Resp: 469816
Ion Ratio Lower Upper
63 100
98 7.1 3.4 10.1
100 5.3 2.3 6.8





#25

2-Butanone

Concen: 231.500 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 341333

Ion Ratio Lower Upper

43 100

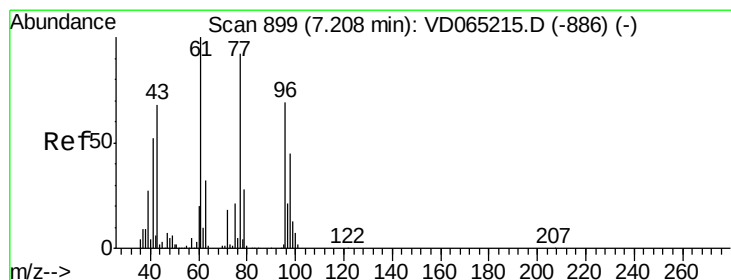
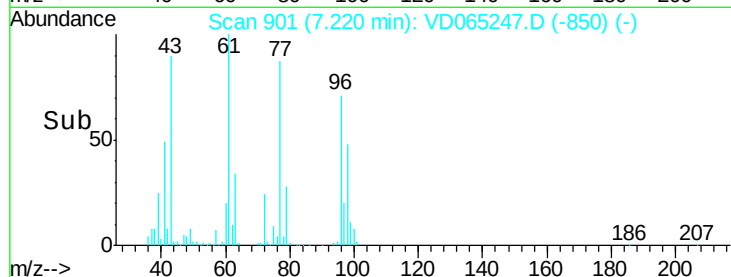
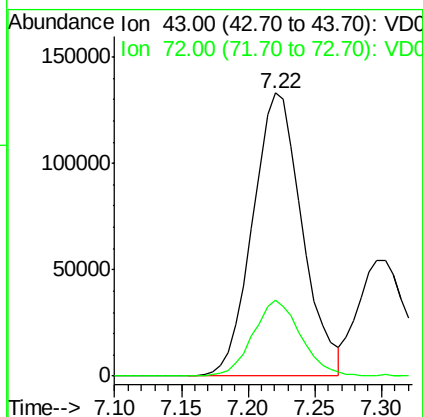
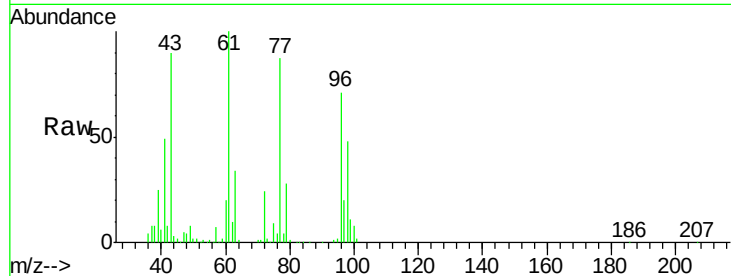
72 26.9 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.306 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD065247.D

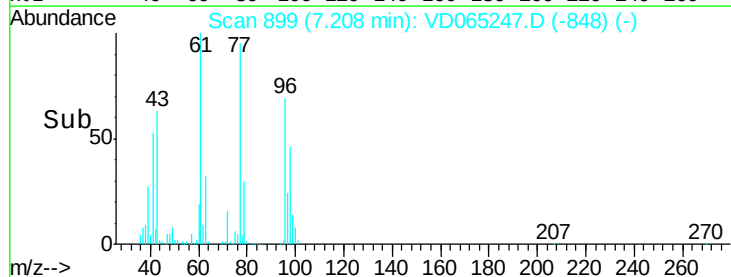
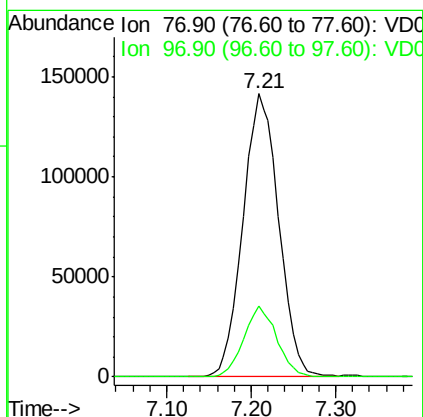
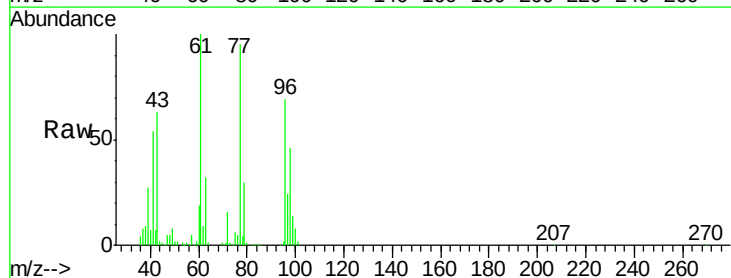
Acq: 20 Feb 2020 10:27

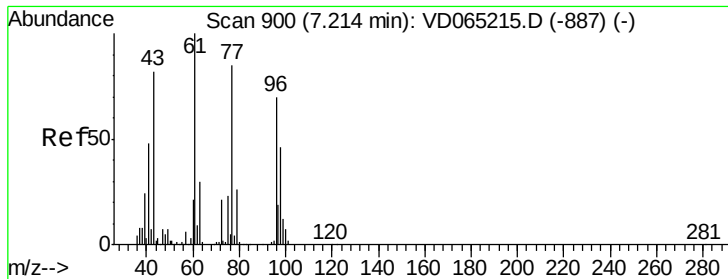
Tgt Ion: 77 Resp: 416408

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1





#27

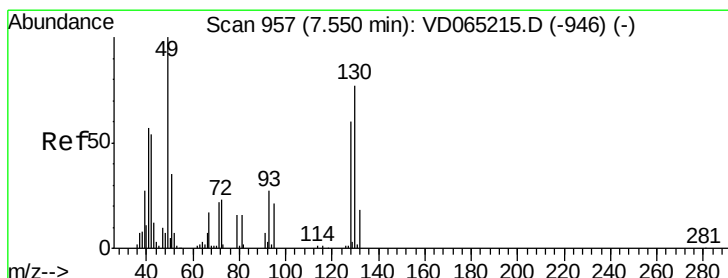
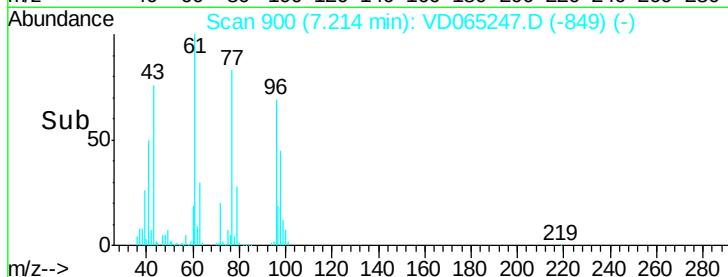
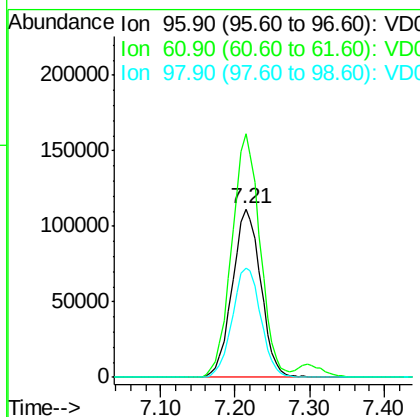
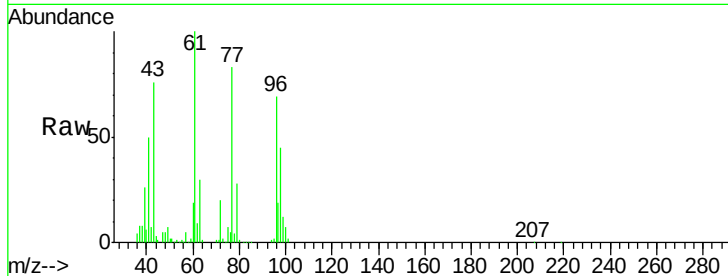
cis-1,2-Dichloroethene
 Concen: 49.993 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	295781		
61	143.1	0.0	286.0	
98	65.1	0.0	127.8	

Manual Integrations
 APPROVED

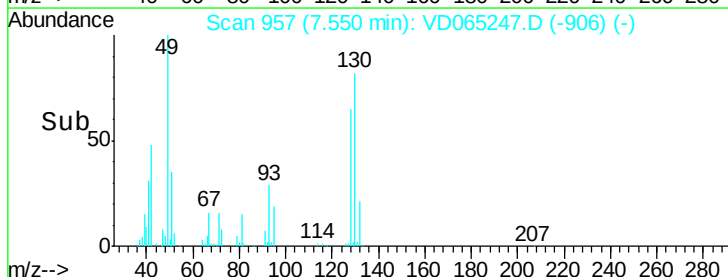
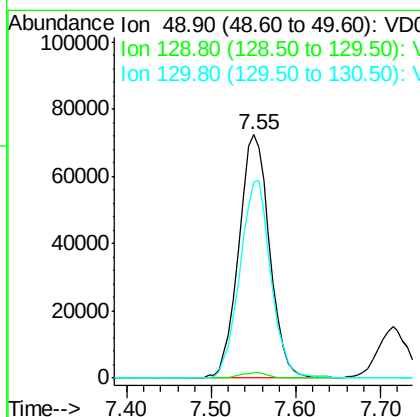
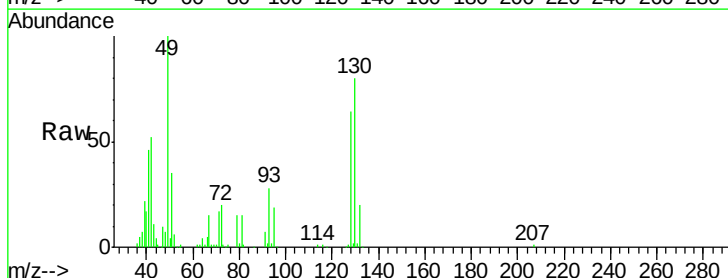
MMDadoda
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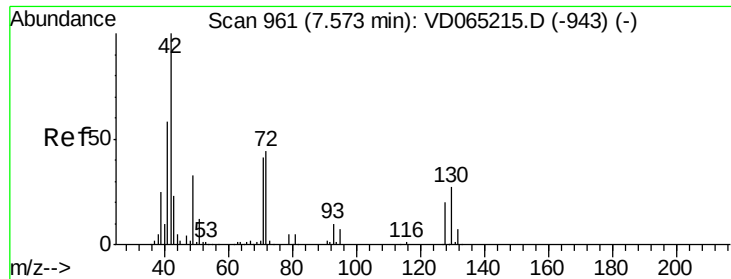


#28

Bromochloromethane
 Concen: 51.871 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	183592		
129	2.1	0.0	4.6	
130	81.1	64.7	97.1	





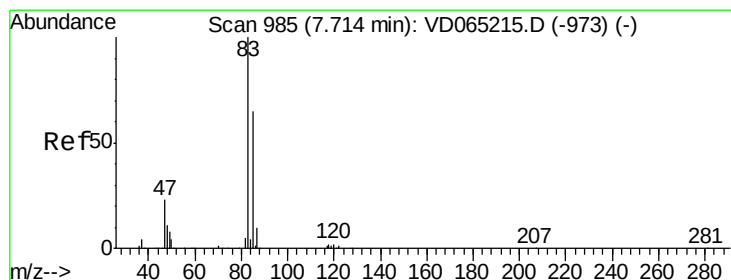
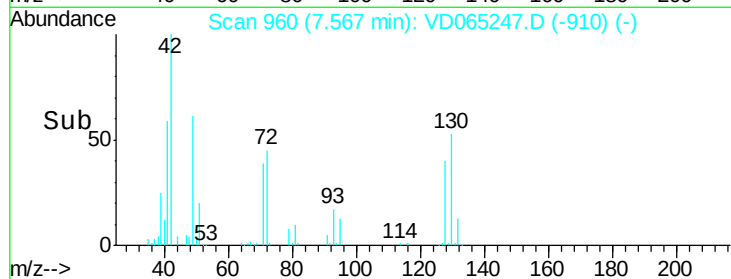
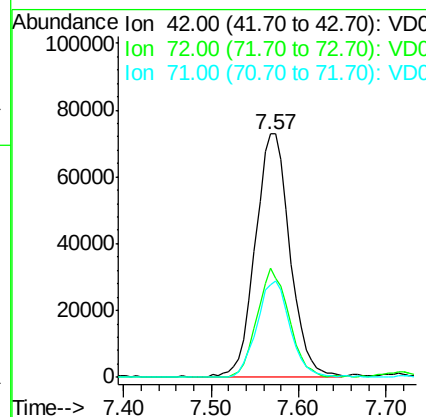
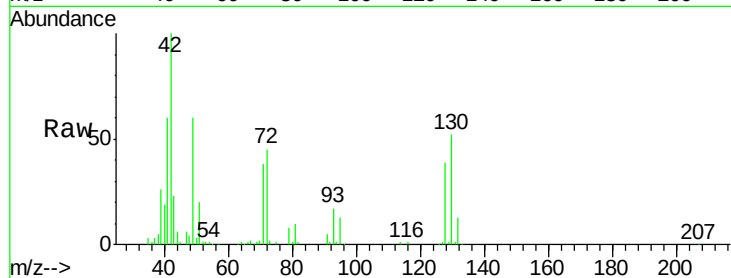
#29
Tetrahydrofuran
Concen: 226.738 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.7	50.5
71	38.4	31.4	47.2

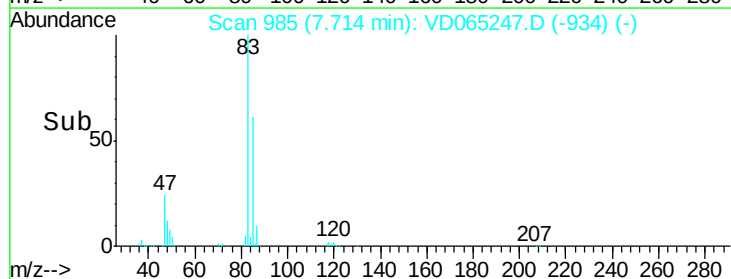
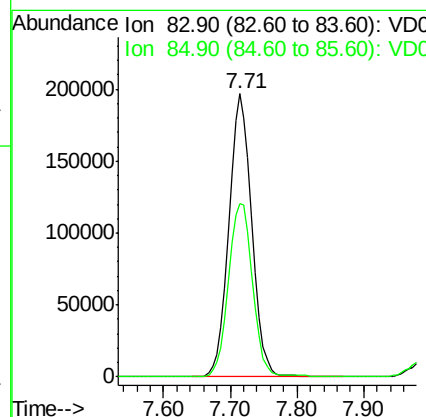
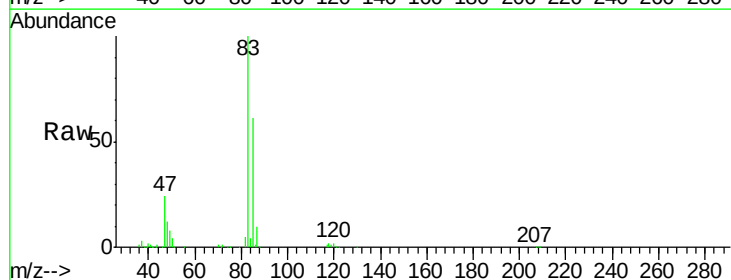
Manual Integrations
APPROVED

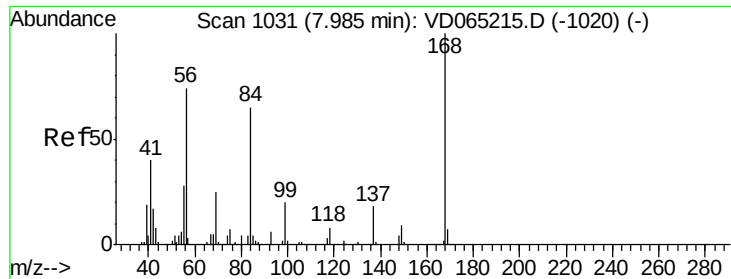
MMDadoda
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#30
Chloroform
Concen: 49.488 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.0	52.3	78.5





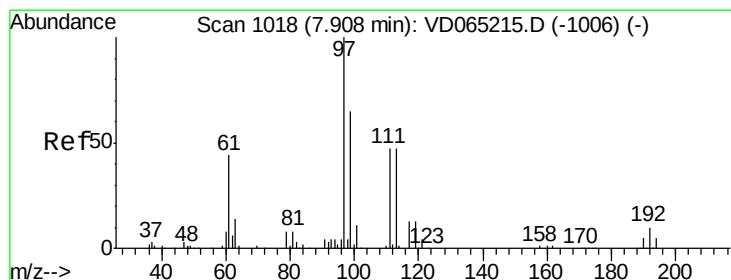
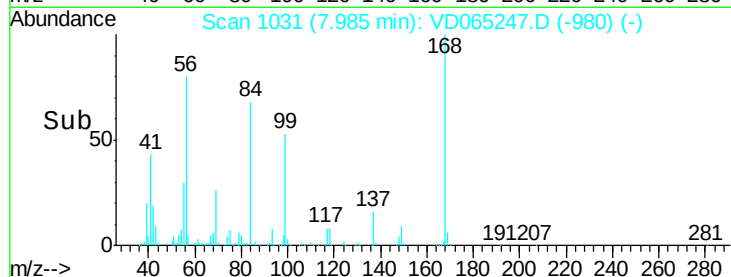
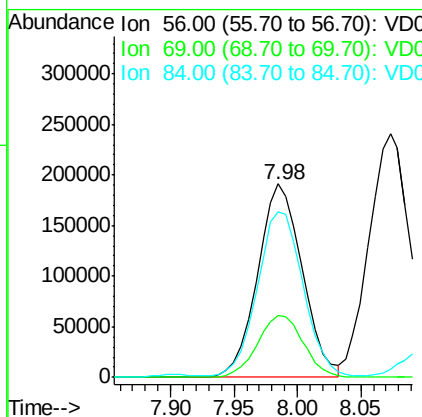
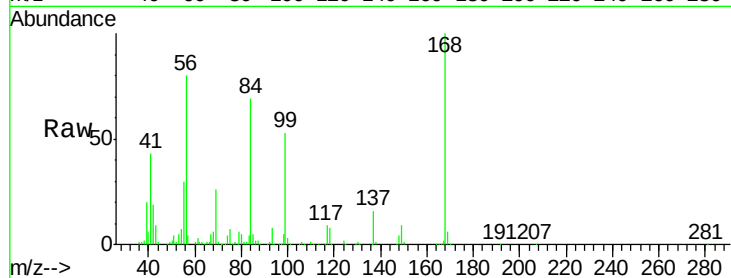
#31
Cyclohexane
Concen: 50.066 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	100			
69	32.0	27.4	41.0	
84	84.6	71.1	106.7	

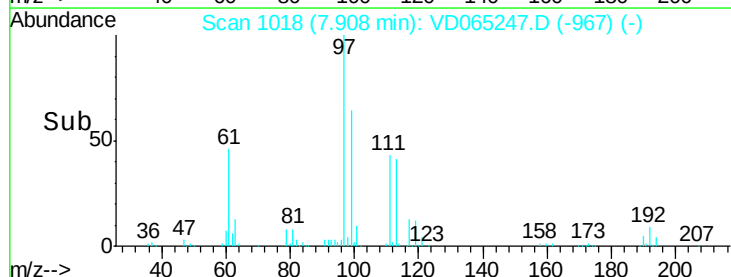
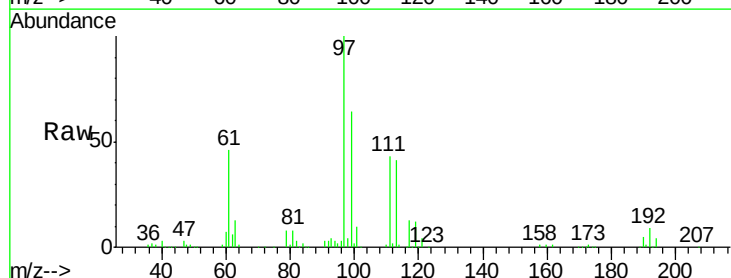
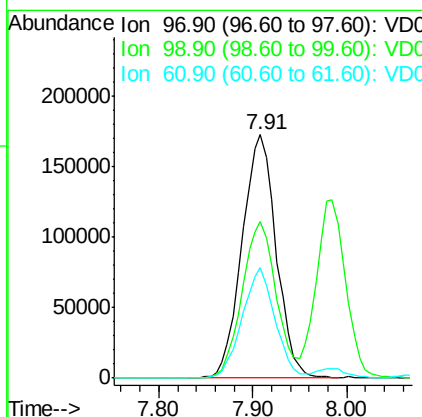
Manual Integrations
APPROVED

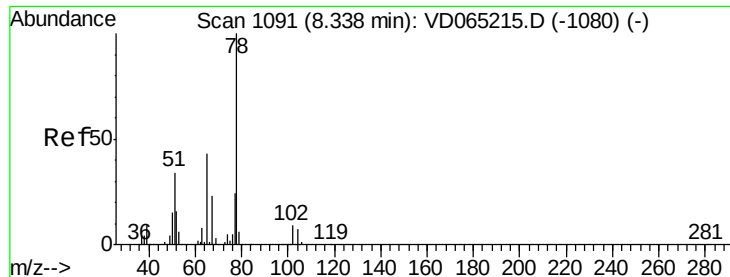
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#32
1,1,1-Trichloroethane
Concen: 50.486 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ion	Ratio	Lower	Upper
97	100			
99	64.8	51.4	77.2	
61	43.5	34.8	52.2	





#33

1,2-Dichloroethane-d4

Concen: 45.941 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 219017

Ion Ratio Lower Upper

65 100

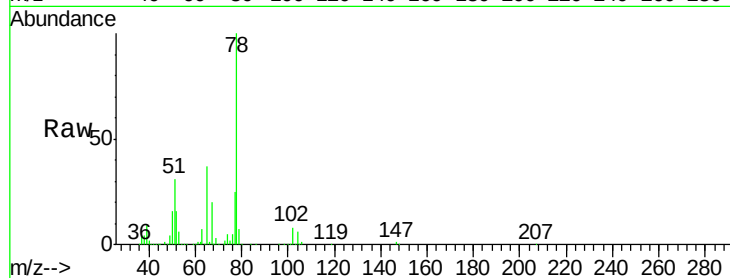
67 53.8 0.0 106.8

Manual Integrations

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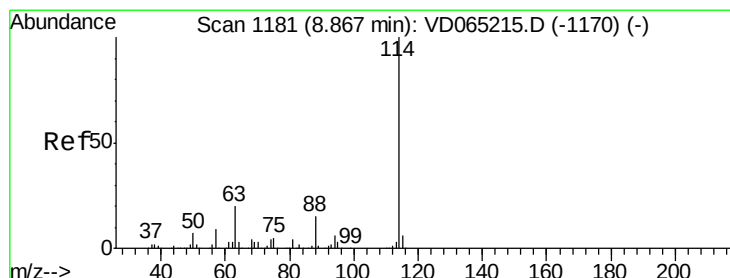
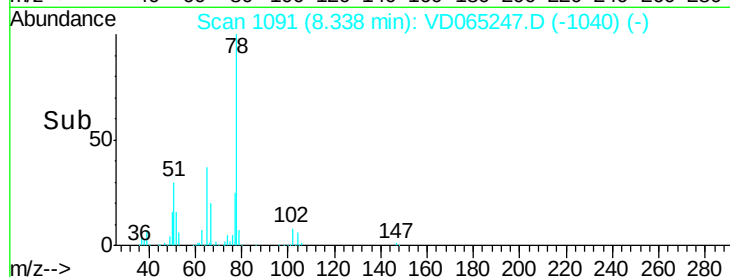
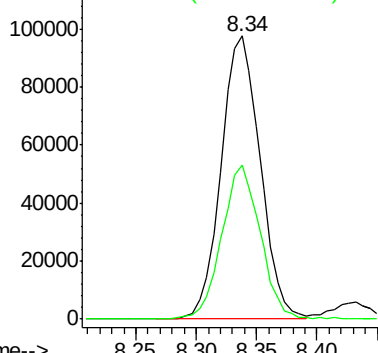
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Abundance Ion 64.90 (64.60 to 65.60): VDC

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: VD065247.D

Acq: 20 Feb 2020 10:27

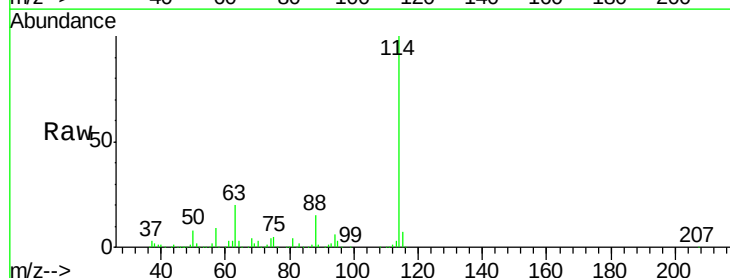
Tgt Ion: 114 Resp: 753971

Ion Ratio Lower Upper

114 100

63 20.3 0.0 39.4

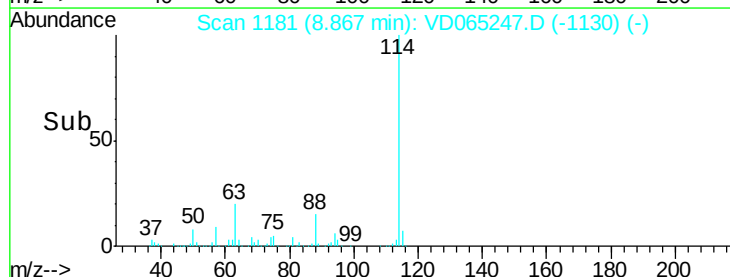
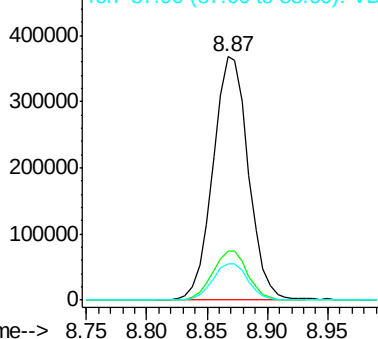
88 15.1 0.0 30.4

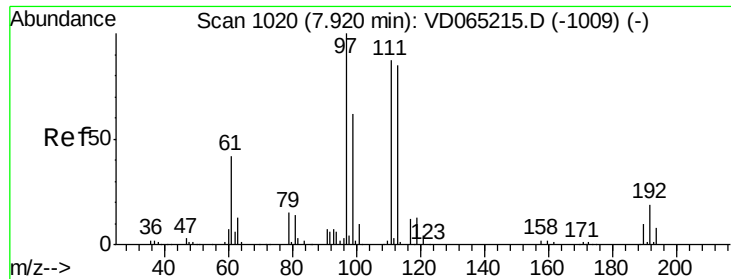


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





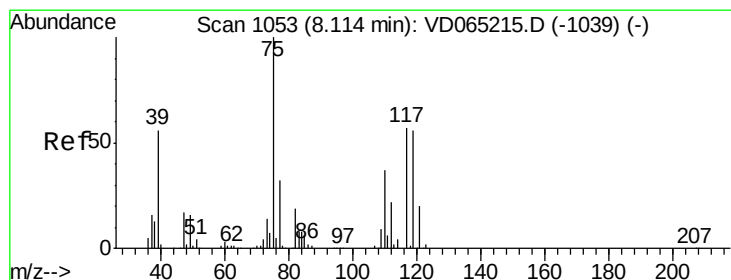
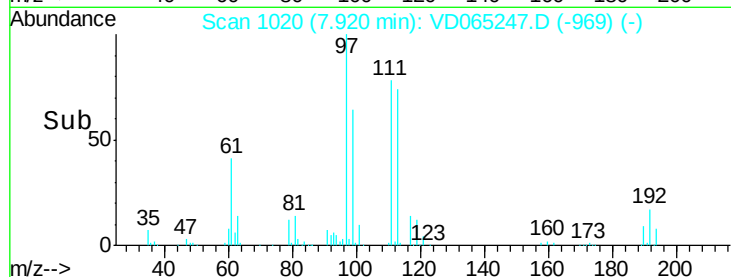
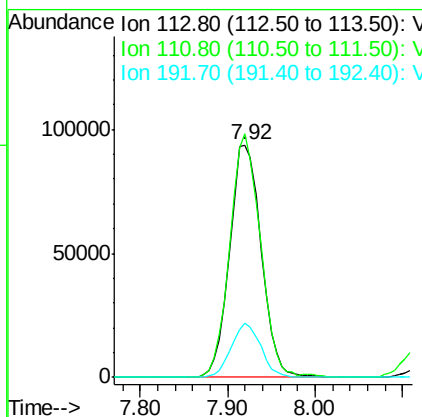
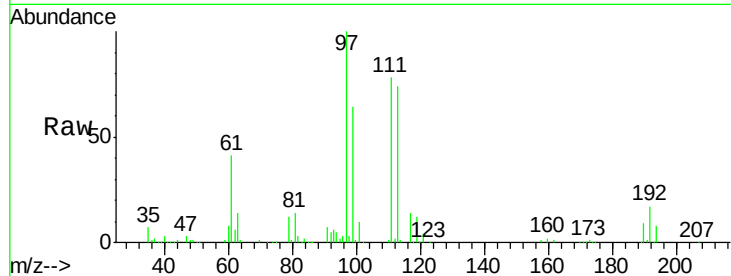
#35
 Dibromofluoromethane
 Concen: 50.072 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	230193		
111	101.1	82.9	124.3	
192	21.8	17.3	25.9	

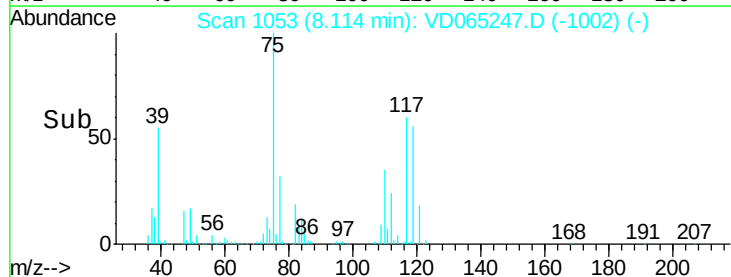
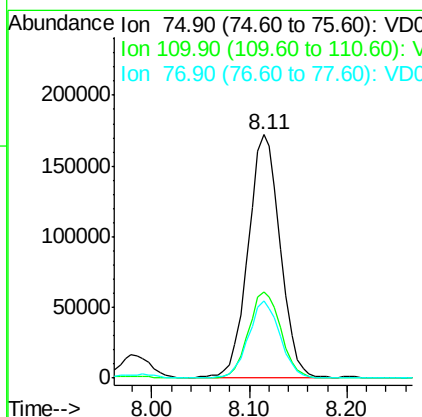
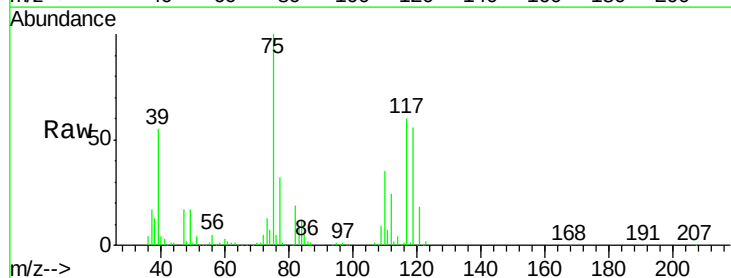
Manual Integrations
 APPROVED

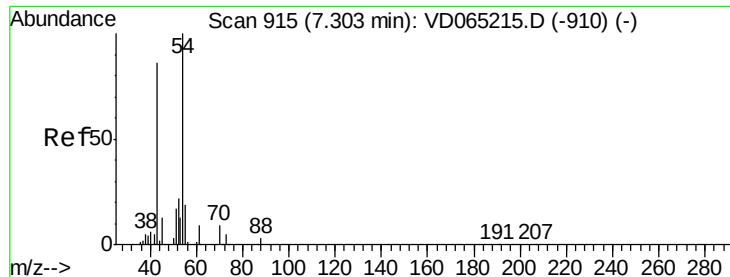
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 2/21/2020 3:22:46 PM



#36
 1,1-Dichloropropene
 Concen: 53.981 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	396012		
110	35.8	17.9	53.7	
77	31.6	25.1	37.7	





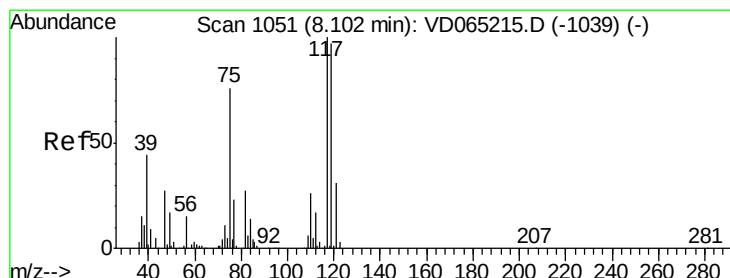
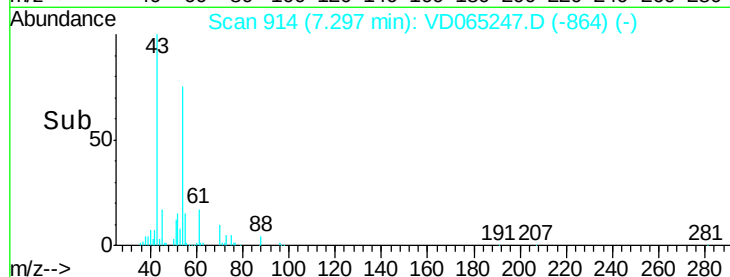
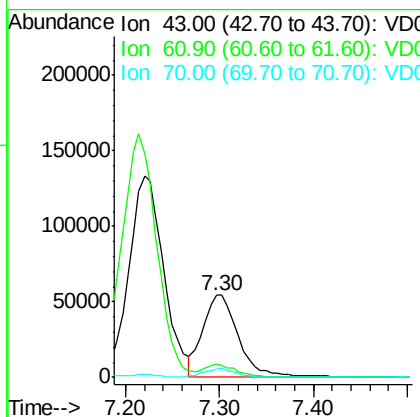
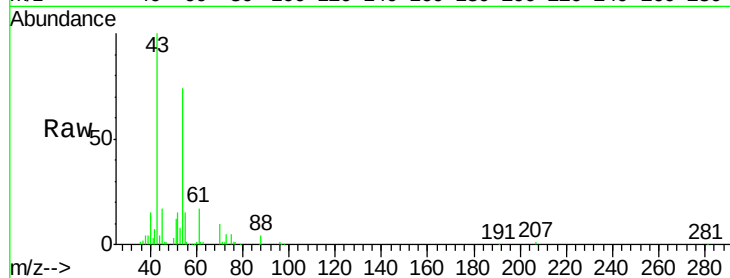
#37
Ethyl Acetate
Concen: 45.929 ug/l
RT: 7.30 min Scan# 914
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	11.2	16.8
70	10.1	8.2	12.2

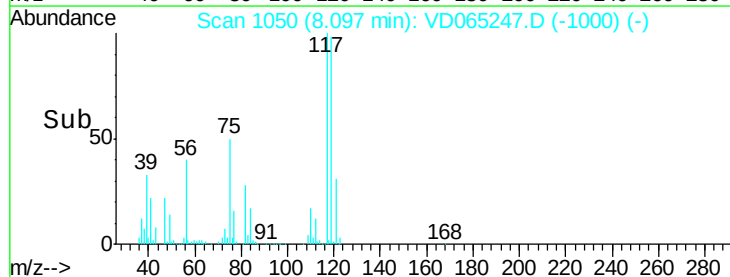
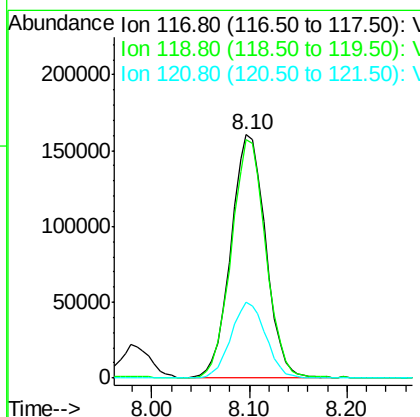
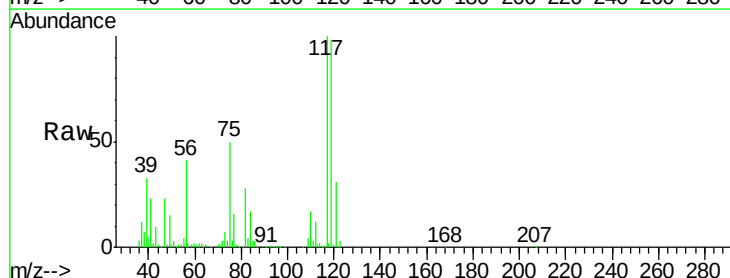
Manual Integrations
APPROVED

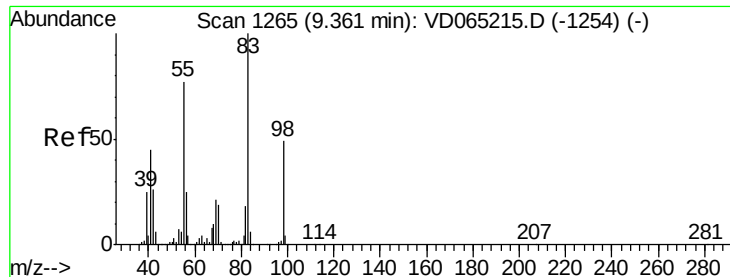
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#38
Carbon Tetrachloride
Concen: 52.972 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.6	116.4
121	31.2	24.8	37.2





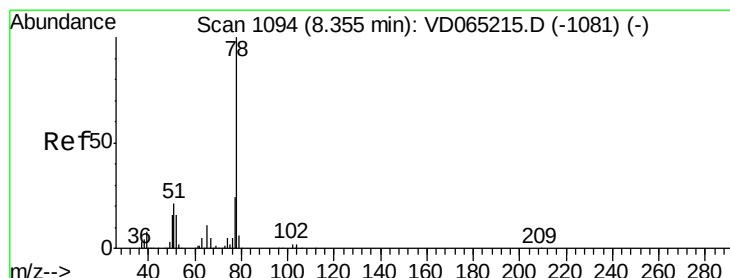
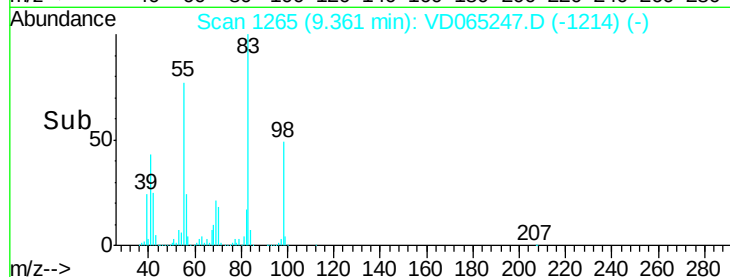
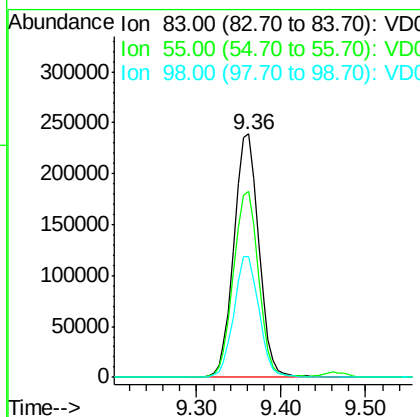
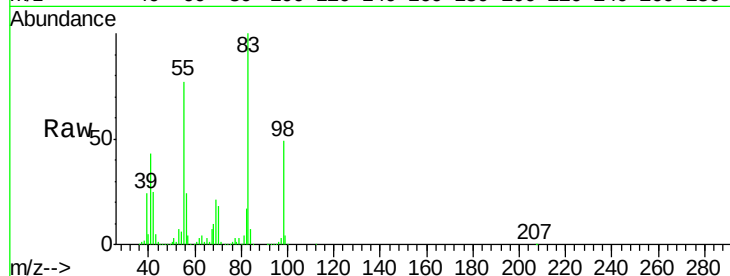
#39
Methylvlcyclohexane
Concen: 56.398 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	76.6	61.8	92.6
98	49.4	39.4	59.0

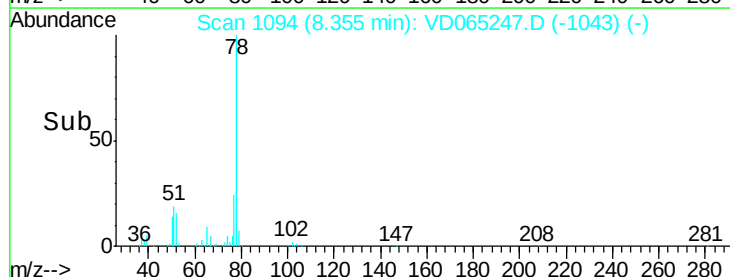
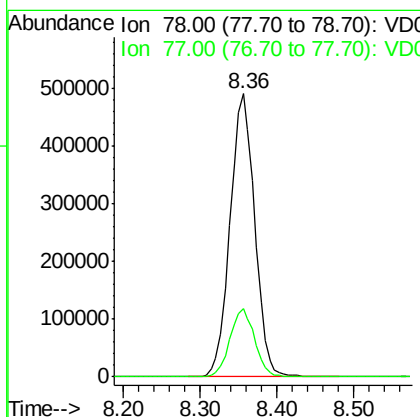
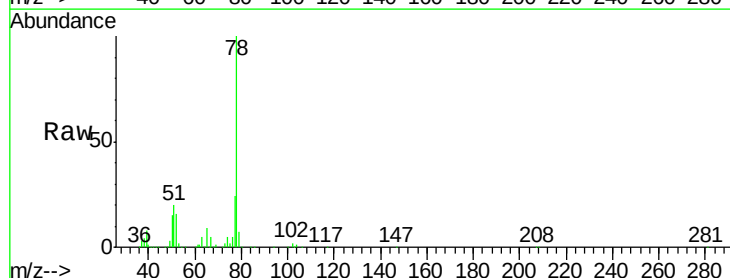
Manual Integrations
APPROVED

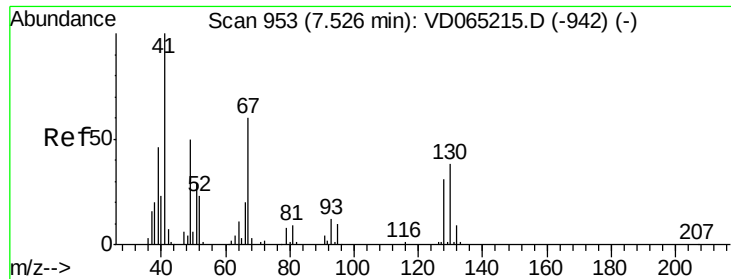
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#40
Benzene
Concen: 53.312 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.0	28.6





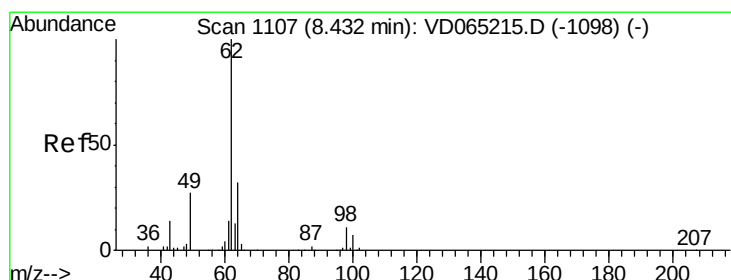
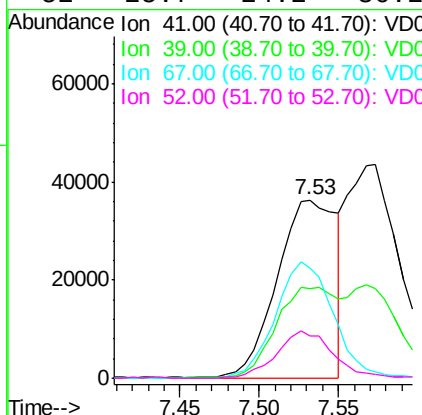
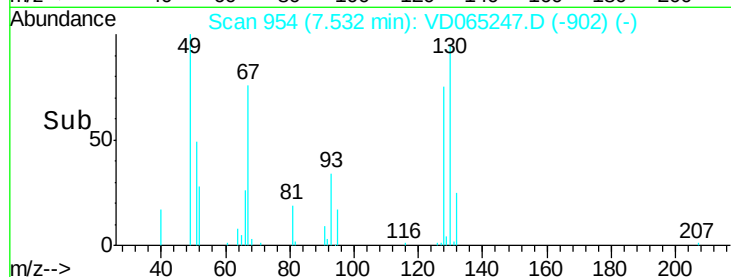
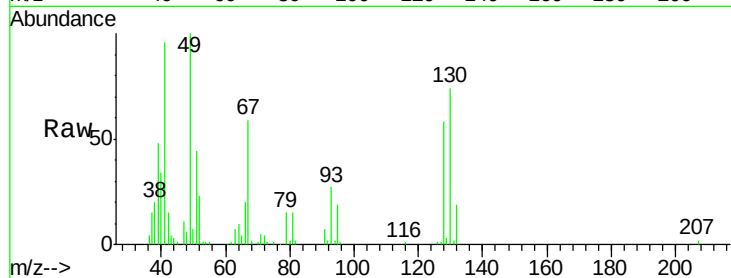
#41
Methacrylonitrile
Concen: 53.594 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	41	Resp	94903
Ion	Ratio	Lower	Upper
41	100		
39	52.0	48.1	72.1
67	63.6	58.9	88.3
52	25.7	24.2	36.2

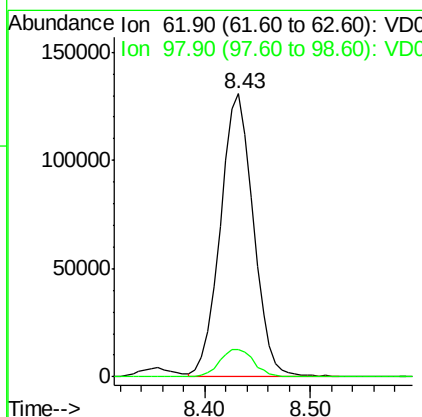
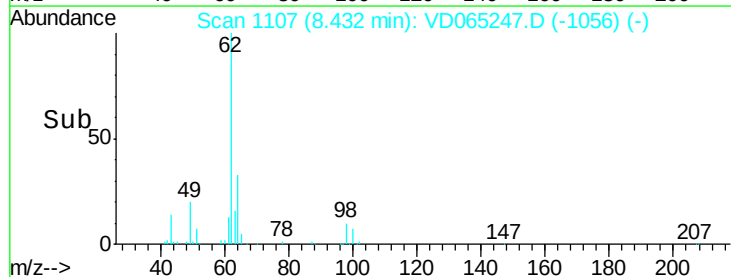
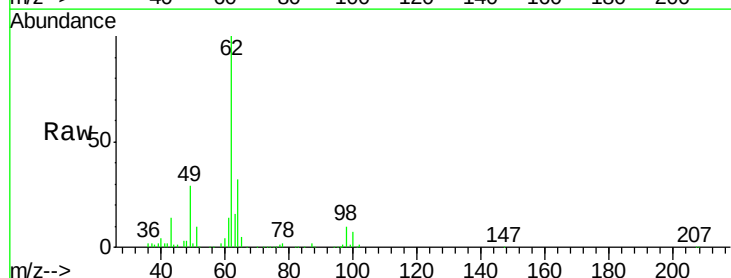
Manual Integrations
APPROVED

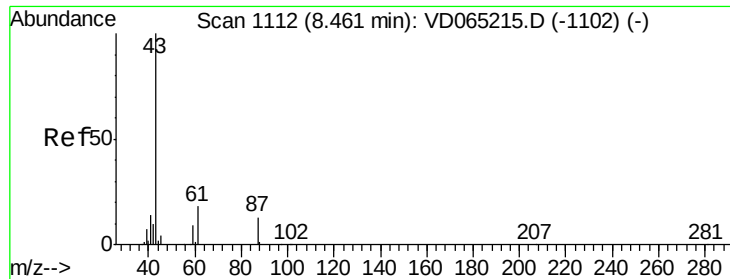
MMDadoda
2/21/2020 3:22:46 PM



#42
1,2-Dichloroethane
Concen: 49.549 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	62	Resp	282068
Ion	Ratio	Lower	Upper
62	100		
98	10.3	0.0	20.6





#43

Isopropyl Acetate

Concen: 46.744 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

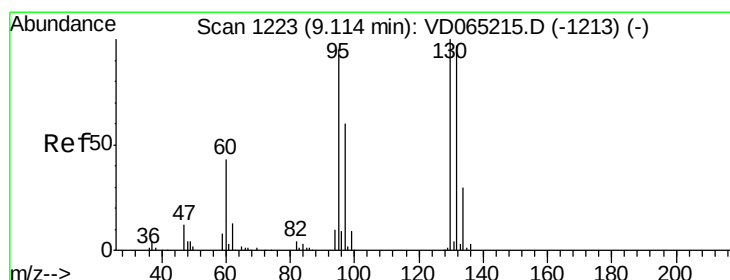
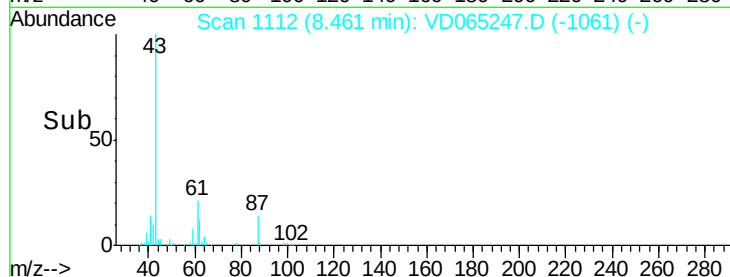
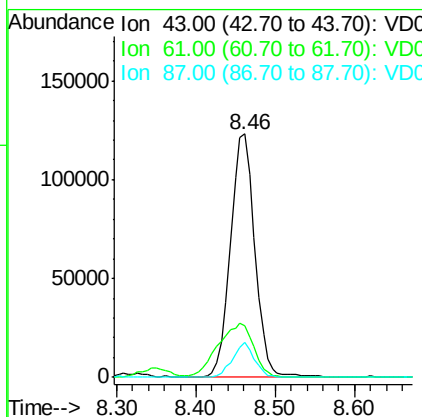
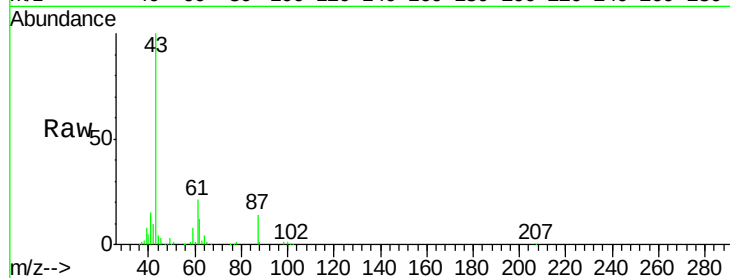
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	260691
Ion	Ratio	Lower	Upper
43	100		
61	32.7	24.6	36.8
87	13.0	10.6	16.0

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#44

Trichloroethene

Concen: 53.357 ug/l

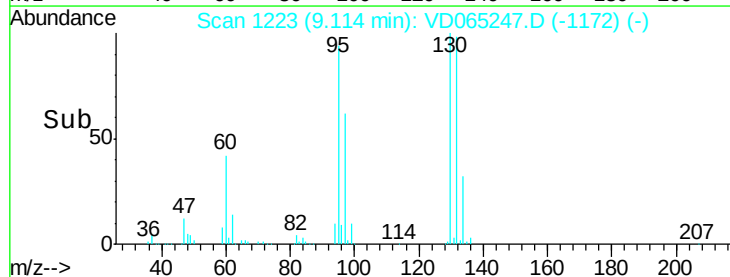
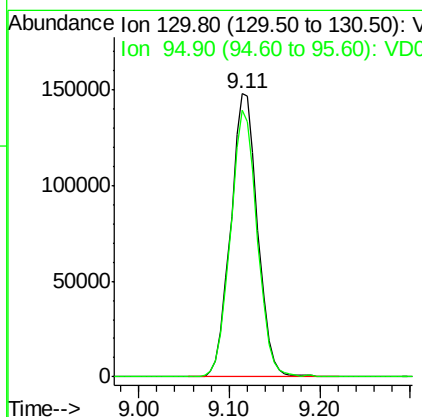
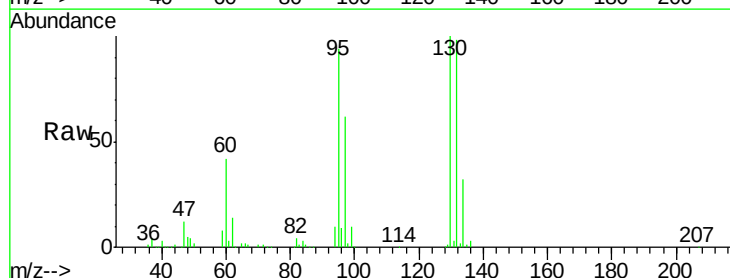
RT: 9.11 min Scan# 1223

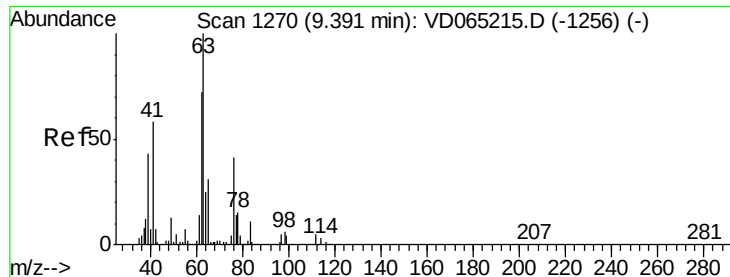
Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tgt Ion:	130	Resp:	306264
Ion	Ratio	Lower	Upper
130	100		
95	94.5	0.0	190.6





#45

1,2-Dichloropropane

Concen: 51.897 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 267216

Ion Ratio Lower Upper

63 100

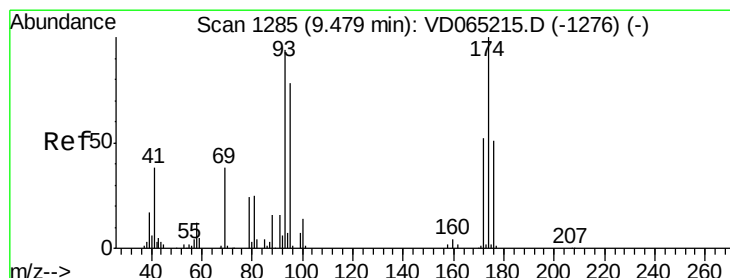
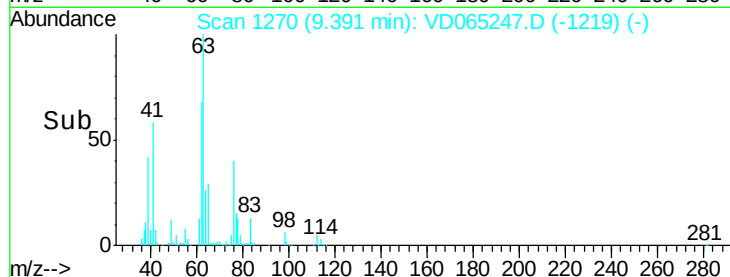
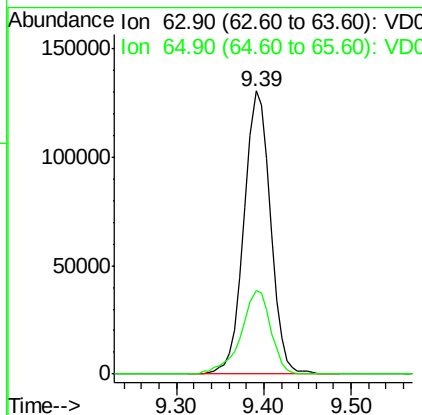
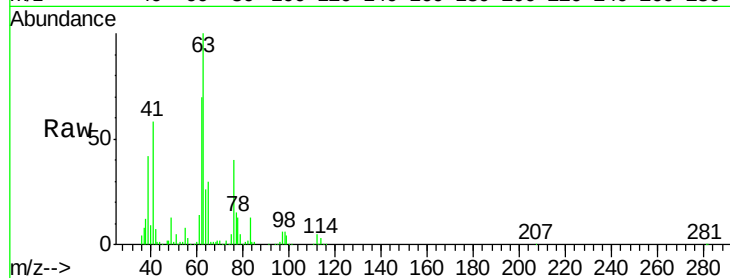
65 29.5 24.9 37.3

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#46

Dibromomethane

Concen: 50.845 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

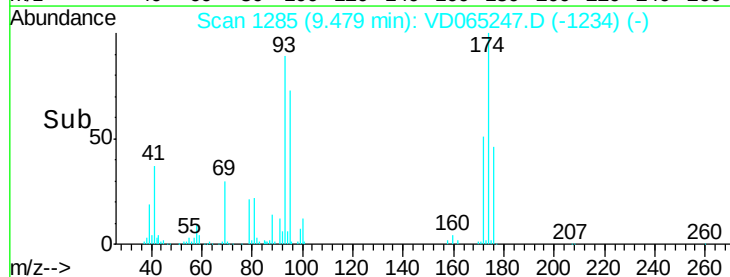
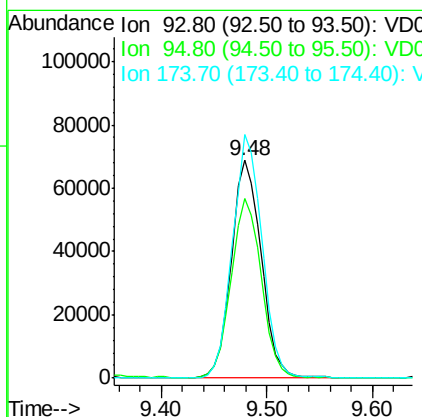
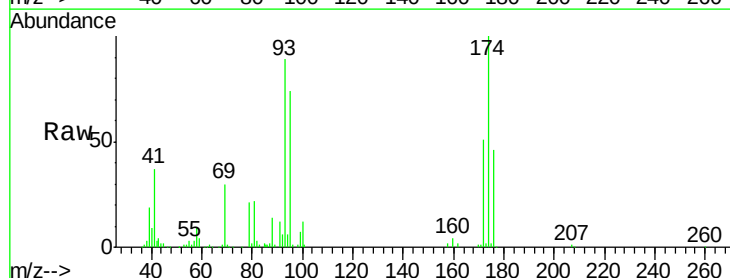
Tgt Ion: 93 Resp: 134701

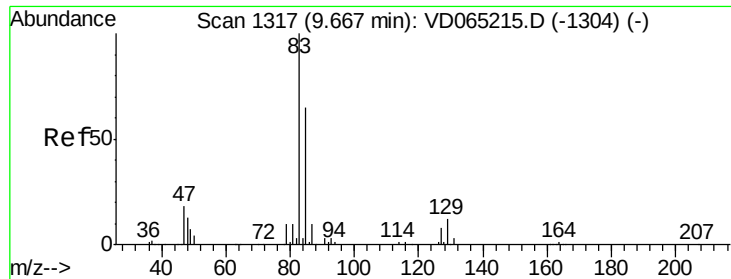
Ion Ratio Lower Upper

93 100

95 83.7 65.8 98.6

174 110.2 86.8 130.2





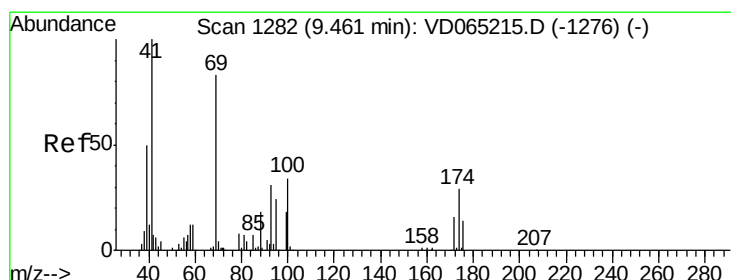
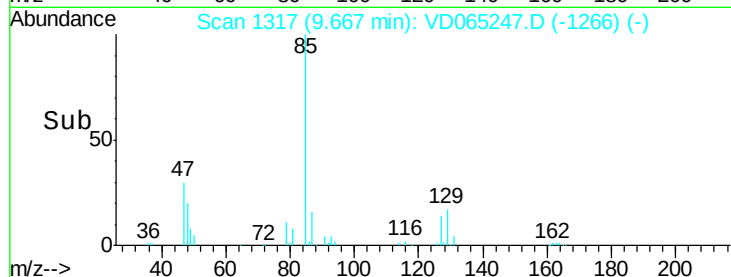
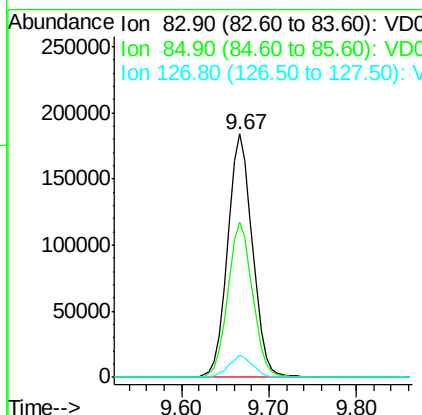
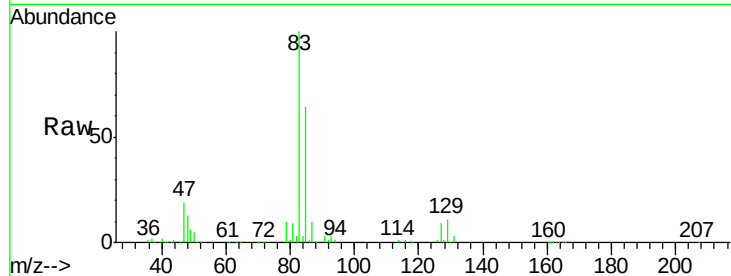
#47
Bromodichloromethane
Concen: 50.967 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
85	63.8	52.0	78.0	
127	8.9	6.7	10.1	

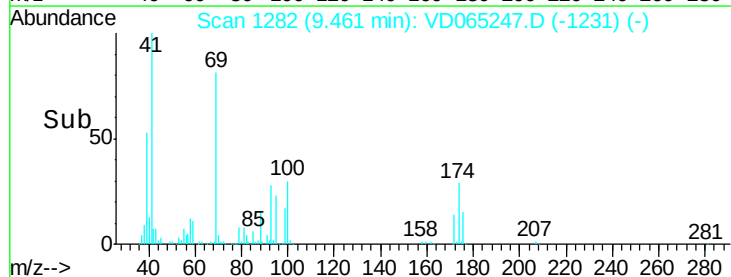
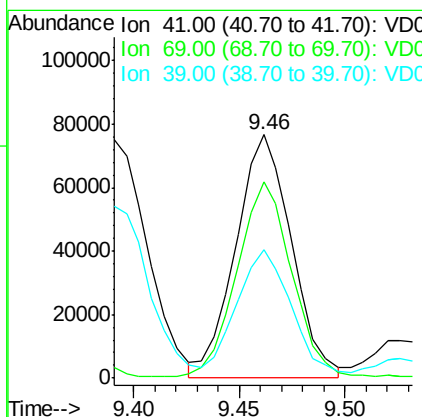
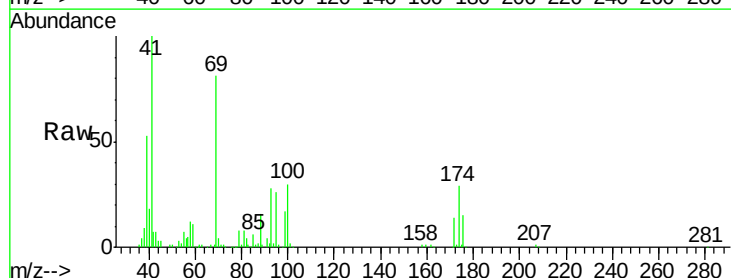
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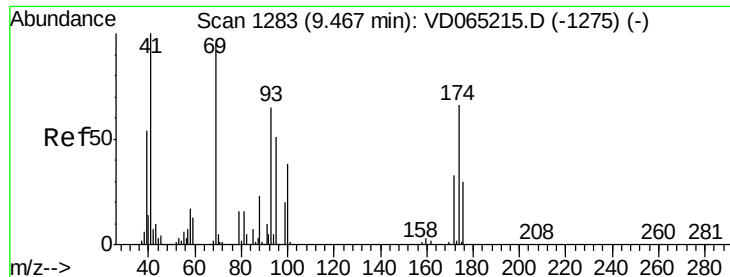
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#48
Methyl methacrylate
Concen: 54.311 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
41	100			
69	79.6	68.2	102.2	
39	47.2	42.0	63.0	





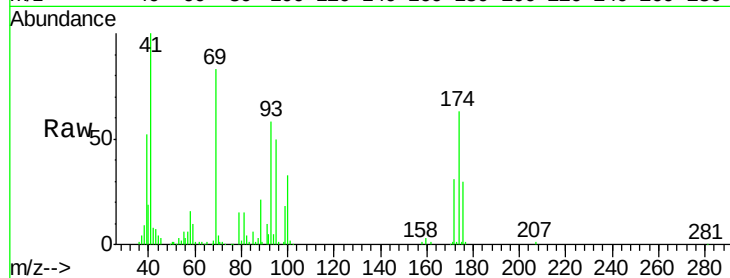
#49
1,4-Dioxane
Concen: 940.629 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

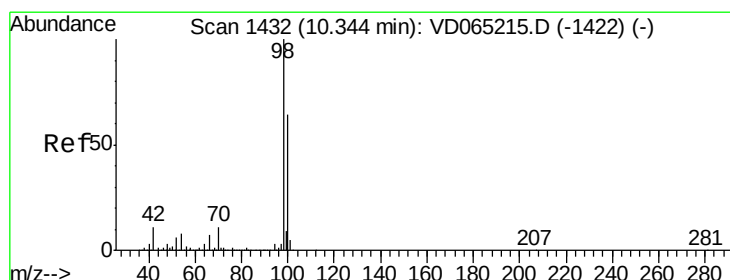
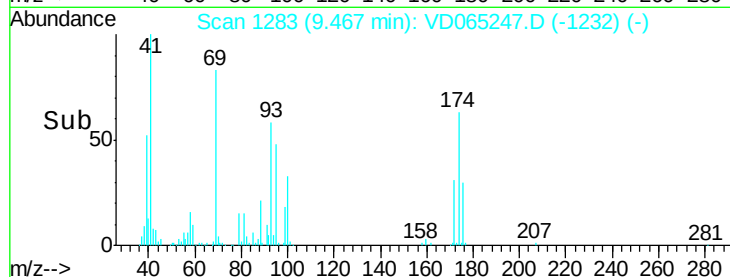
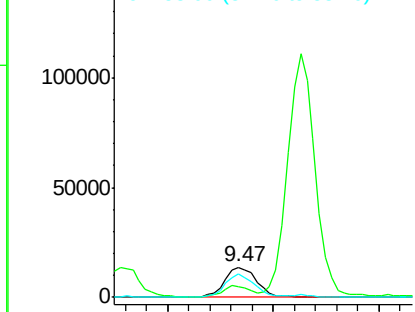
Tot Ion	Ratio	Lower	Upper
88	100		
43	30.4	28.5	42.7
58	69.7	58.6	87.8

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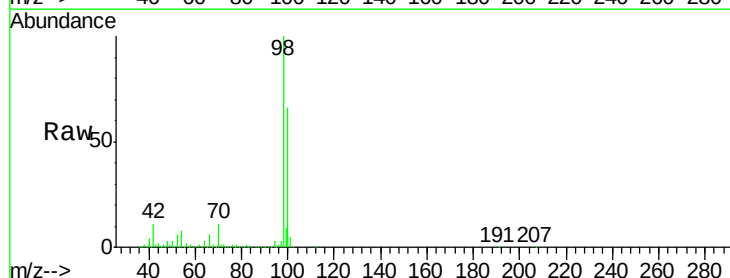


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

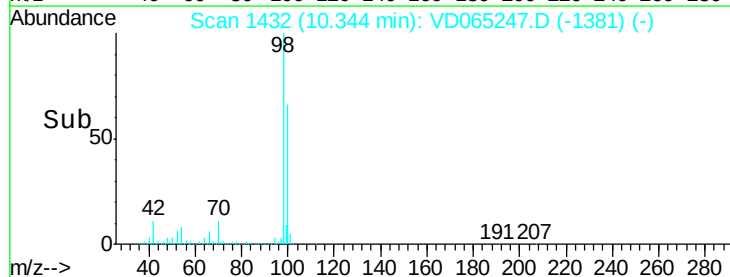
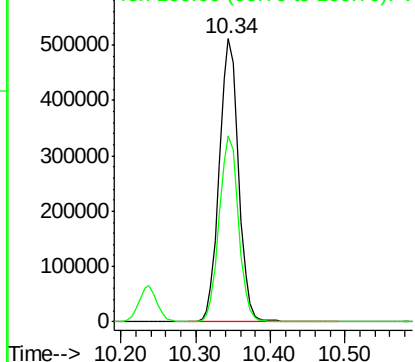


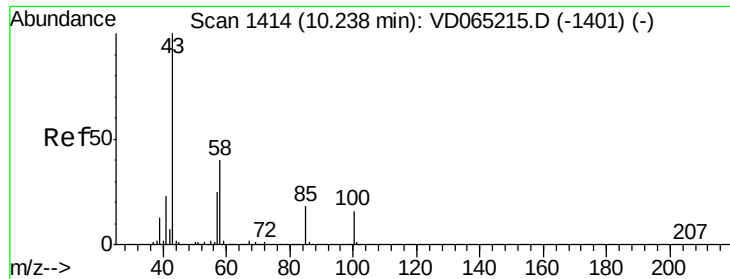
#50
Toluene-d8
Concen: 52.271 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.8	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: 238.811 ug/l

RT: 10.24 min Scan# 1414

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 676463

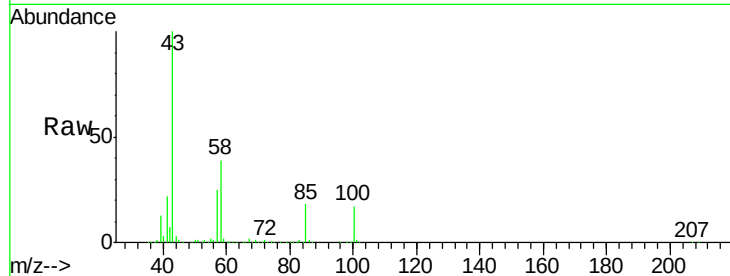
Ion Ratio Lower Upper

43 100

58 39.1 31.1 46.7

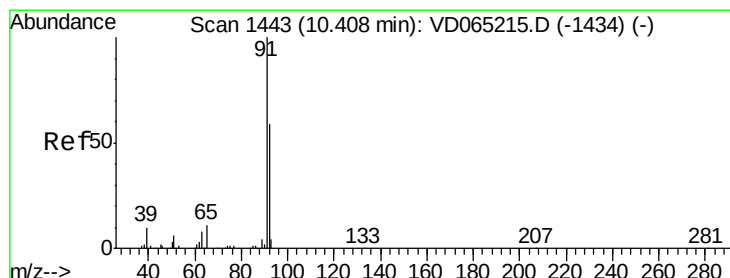
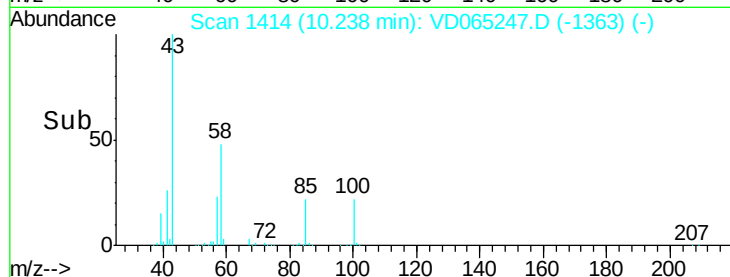
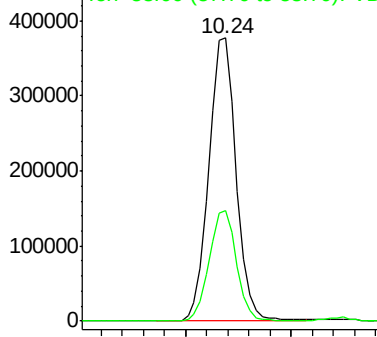
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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 55.051 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065247.D

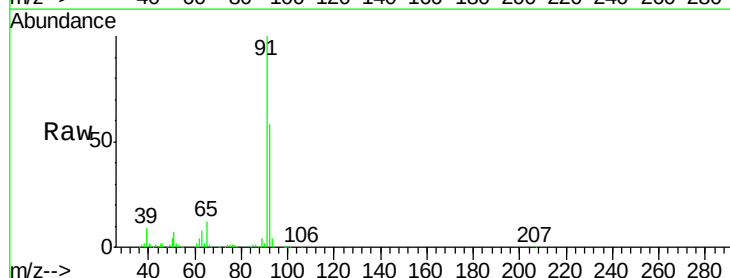
Acq: 20 Feb 2020 10:27

Tgt Ion: 92 Resp: 705598

Ion Ratio Lower Upper

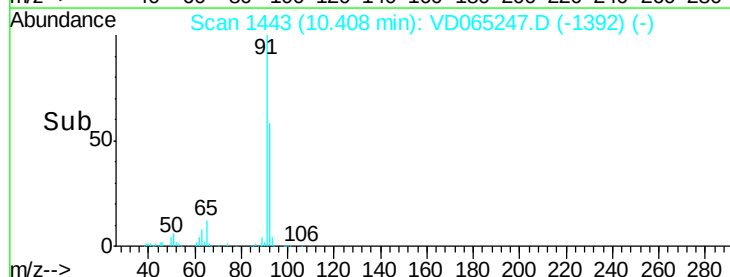
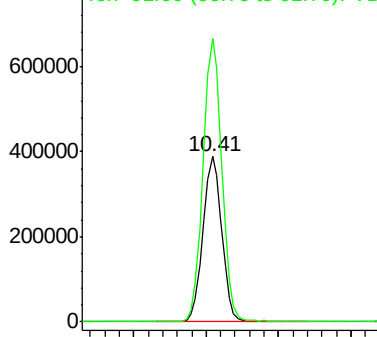
92 100

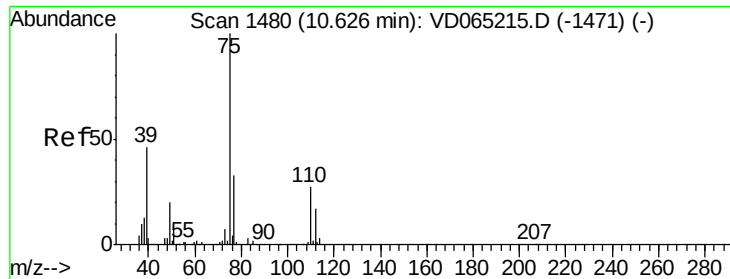
91 170.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





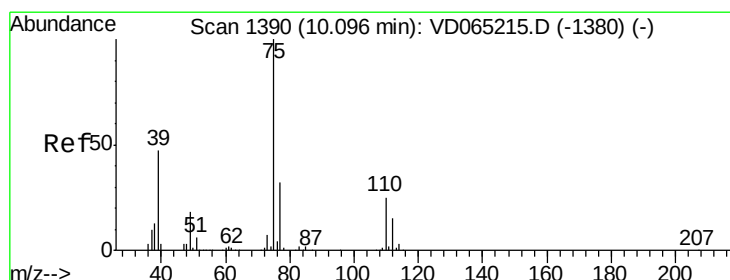
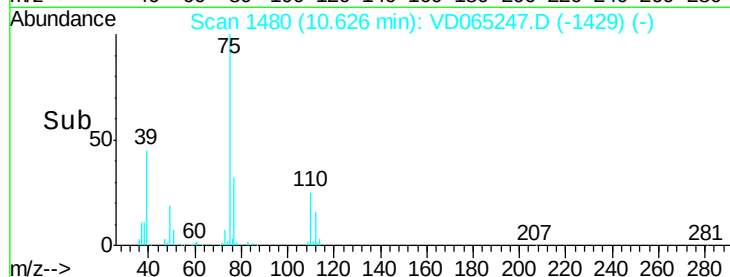
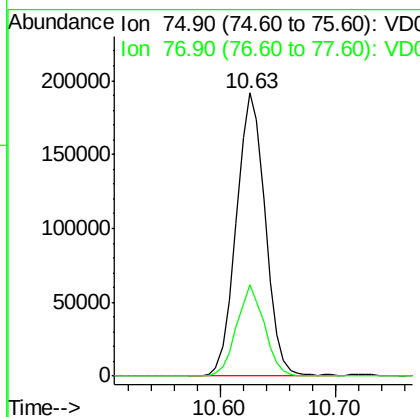
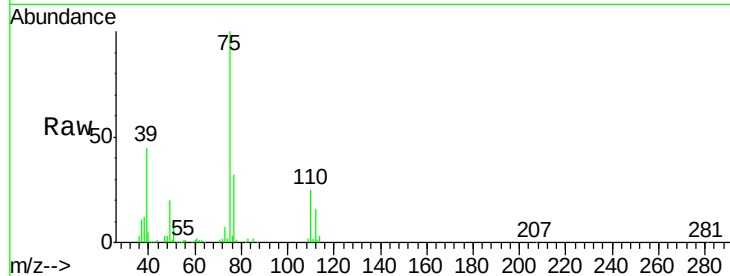
#53
t-1,3-Dichloropropene
Concen: 51.401 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.4	26.6	40.0

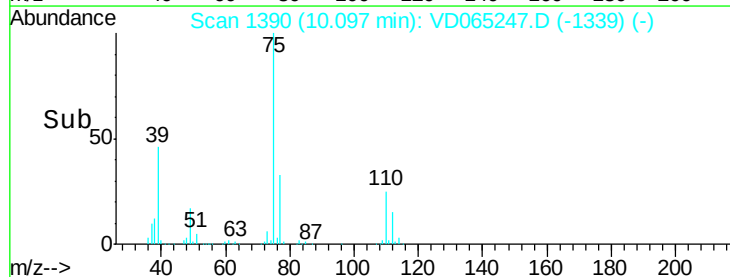
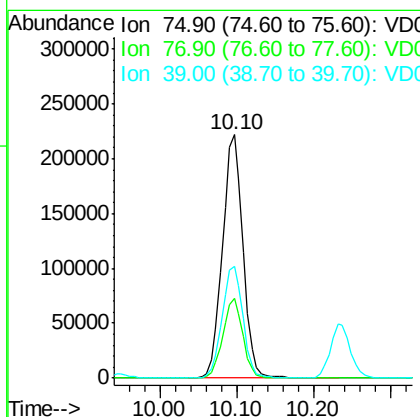
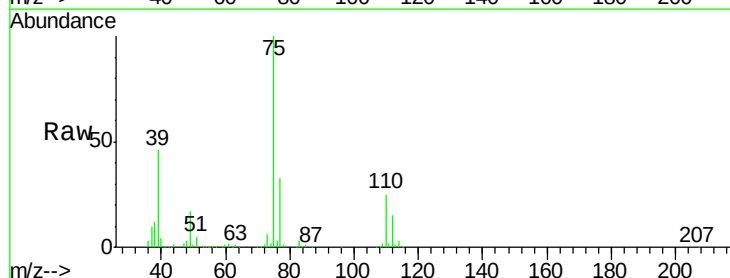
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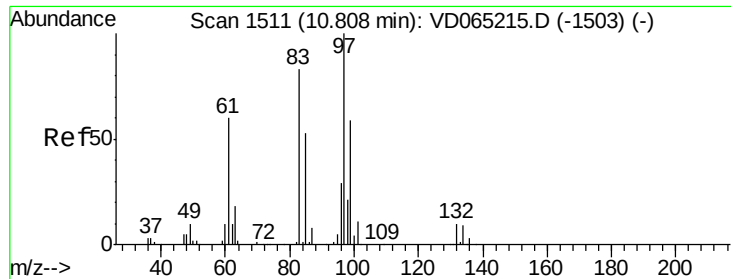
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#54
cis-1,3-Dichloropropene
Concen: 52.470 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.6	25.8	38.8
39	45.9	37.3	55.9





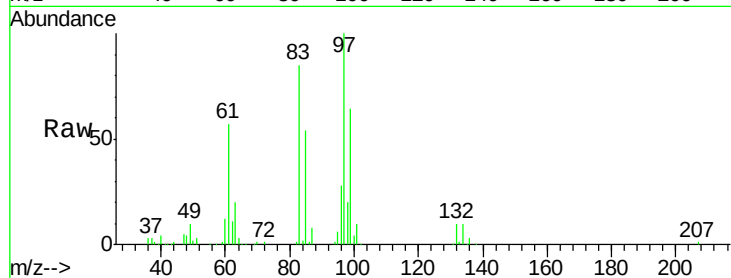
#55
 1,1,2-Trichloroethane
 Concen: 49.224 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

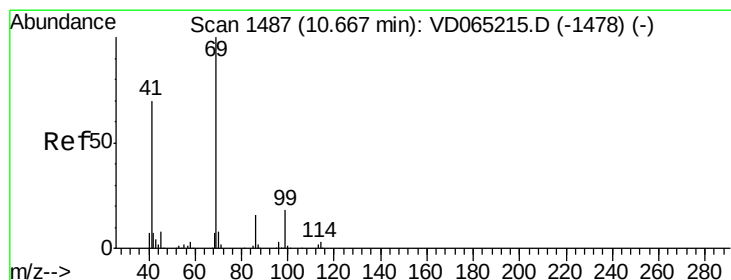
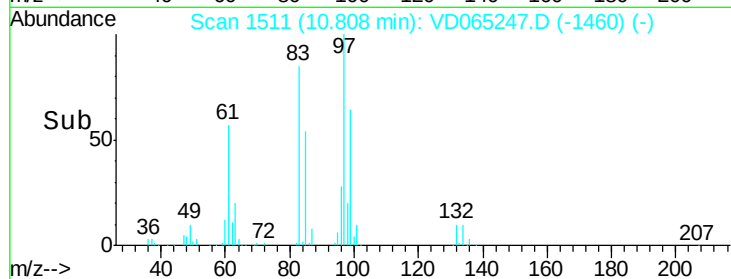
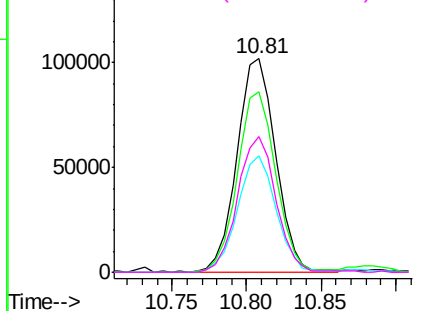
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		183548		
83	84.6	66.7	100.1		
85	54.3	42.4	63.6		
99	63.7	47.5	71.3		

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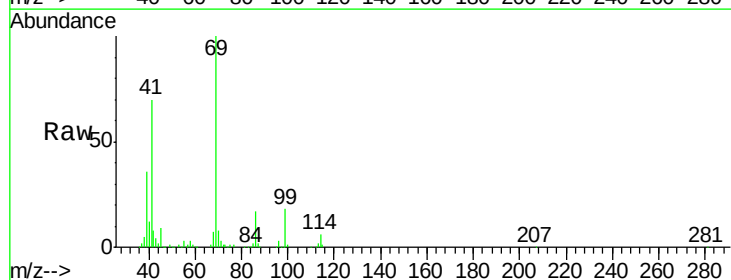


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

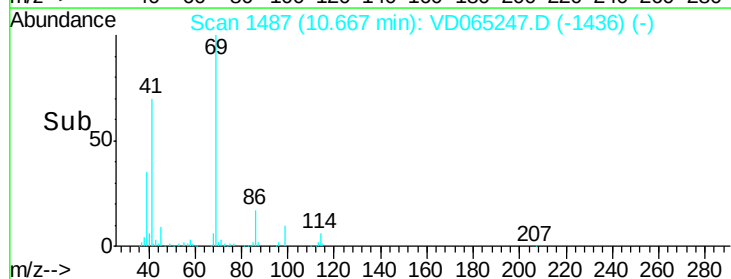
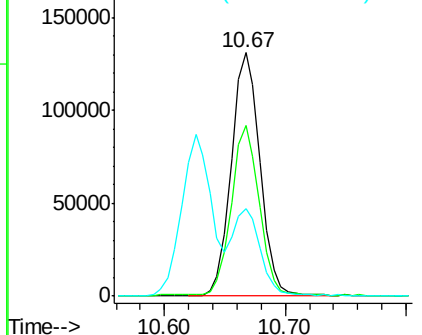


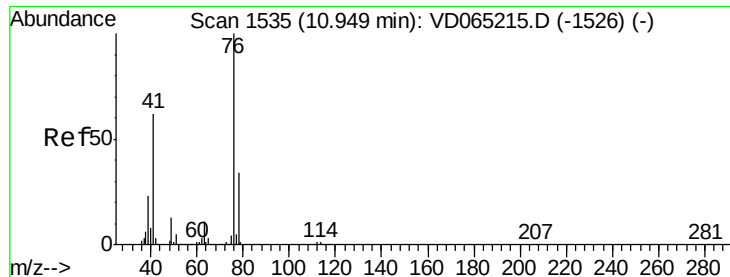
#56
 Ethyl methacrylate
 Concen: 50.598 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		217768		
41	70.1	54.6	81.8		
39	33.6	26.5	39.7		



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





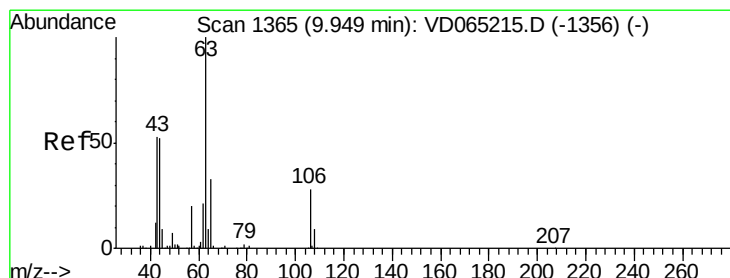
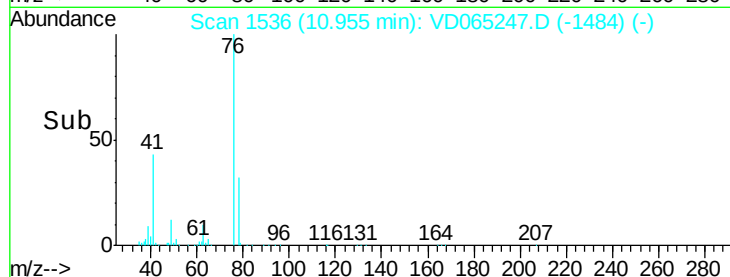
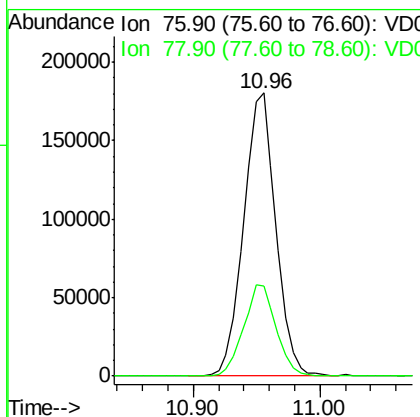
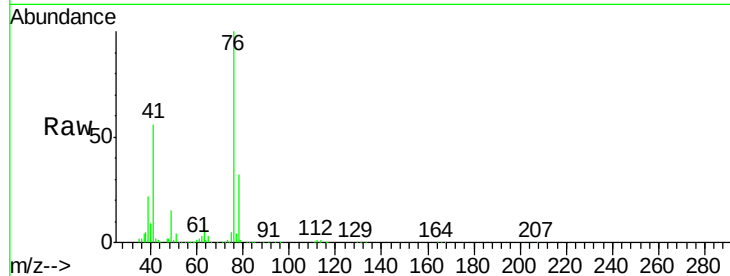
#57
 1,3-Dichloropropane
 Concen: 50.124 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.8	26.3	39.5

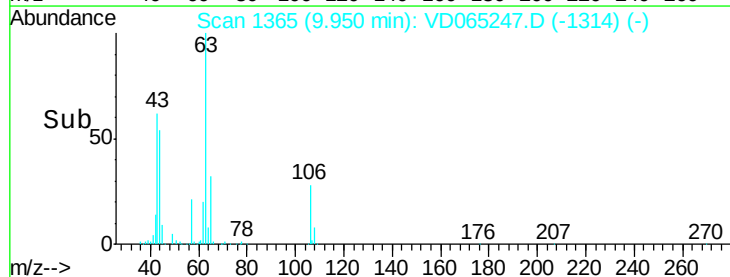
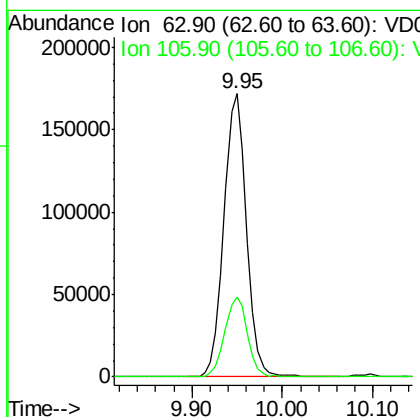
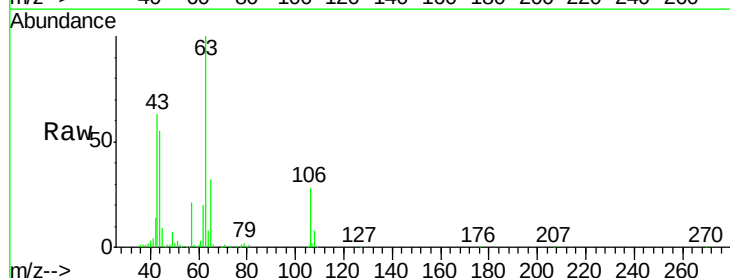
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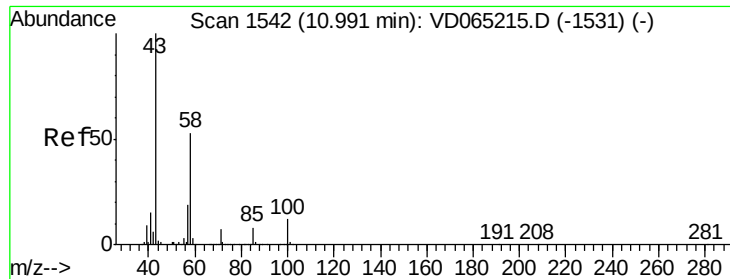
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#58
 2-Chloroethyl Vinyl ether
 Concen: 218.076 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
63	100		
106	28.5	22.8	34.2





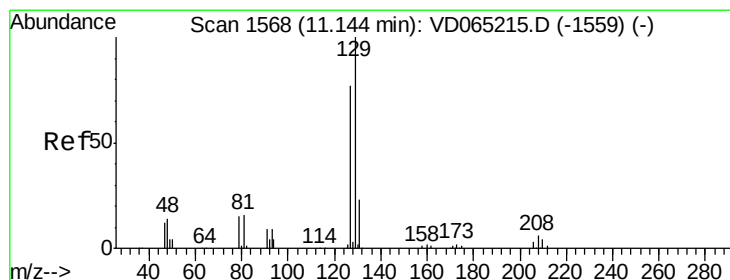
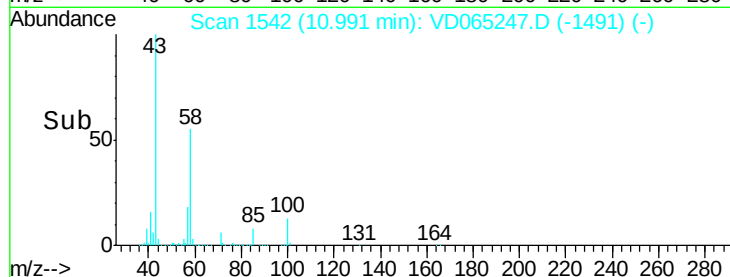
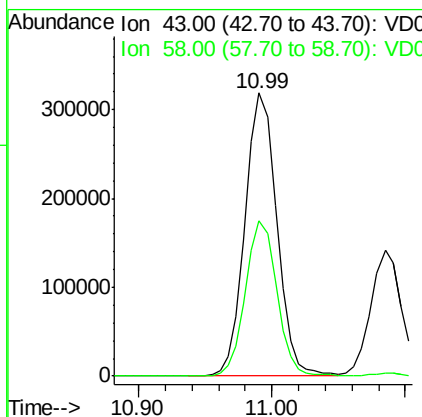
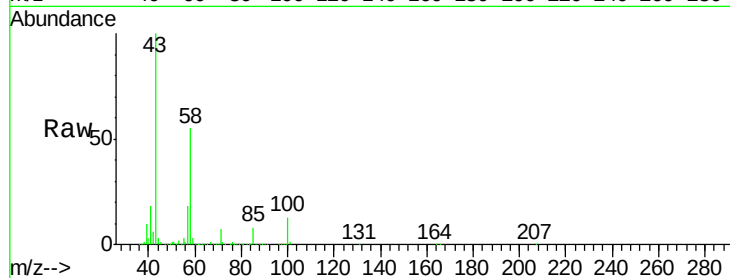
#59
2-Hexanone
Concen: 259.835 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.1	26.3	78.8

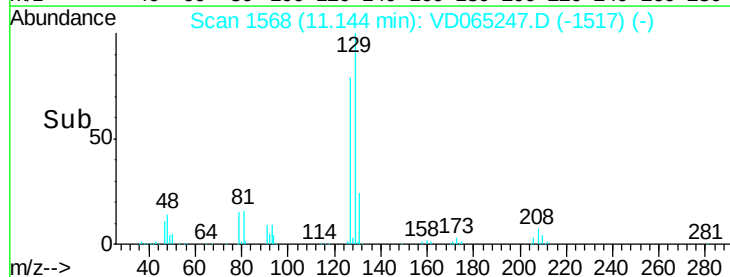
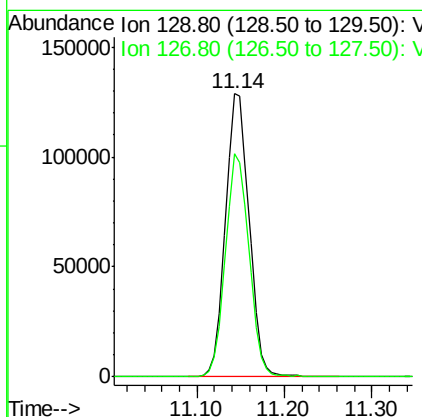
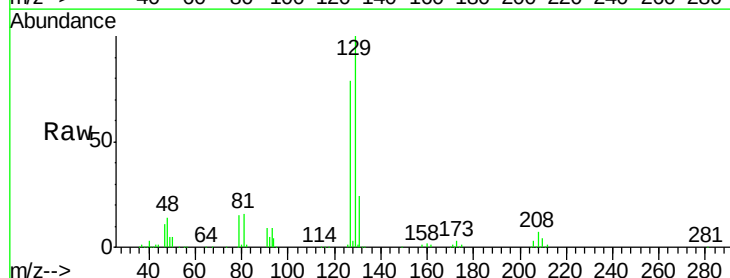
Manual Integrations
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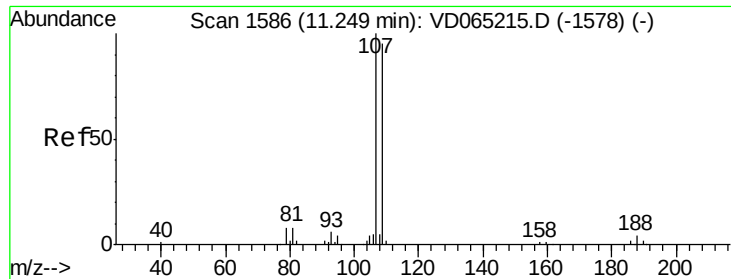
MMDadoda
2/21/2020 3:22:46 PM



#60
Dibromochloromethane
Concen: 49.681 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	38.7	116.1





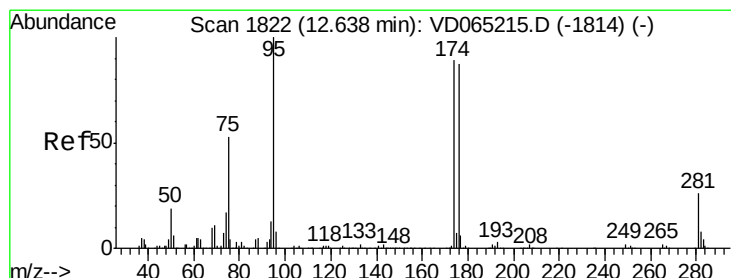
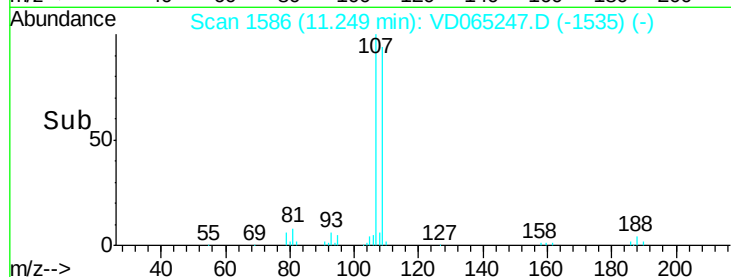
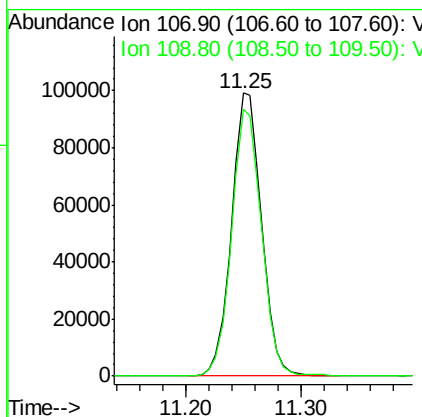
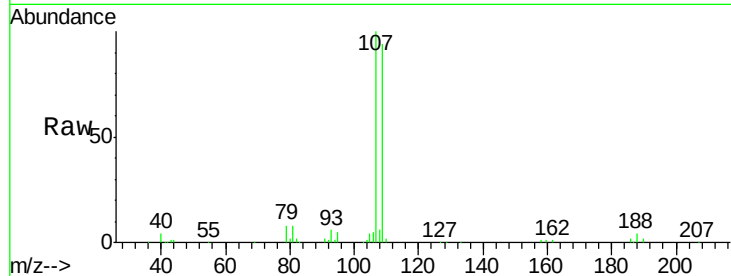
#61
 1,2-Dibromoethane
 Concen: 50.414 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 177987
 Ion Ratio Lower Upper
 107 100
 109 94.3 76.2 114.4

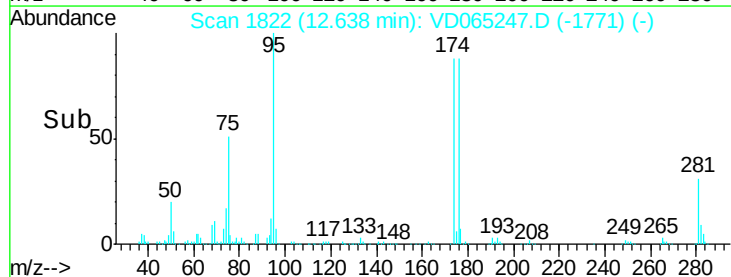
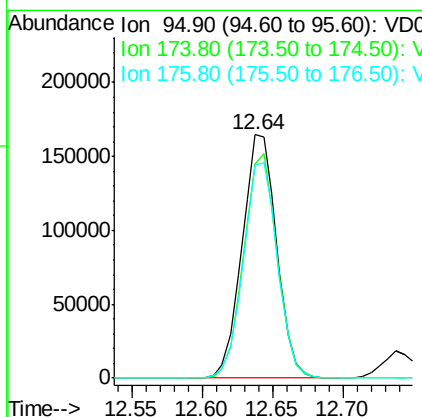
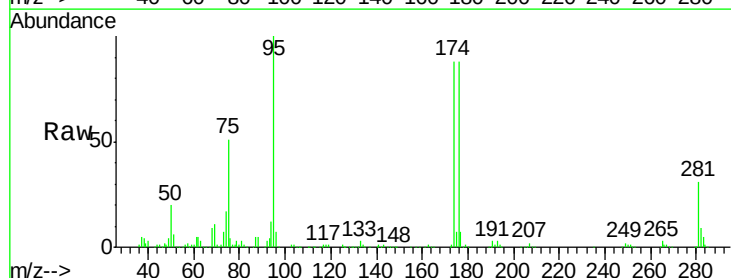
Manual Integrations
 APPROVED

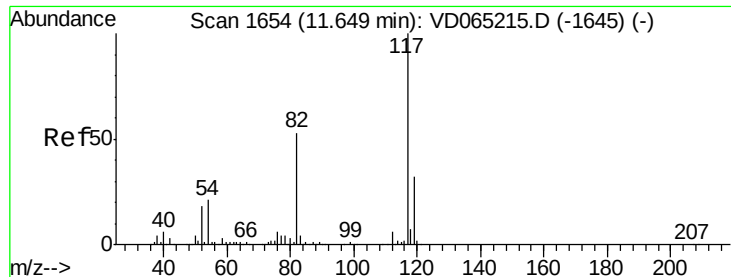
MMDadoda
 2/21/2020 3:22:46 PM



#62
 4-Bromofluorobenzene
 Concen: 50.682 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion: 95 Resp: 282177
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.0
 176 87.6 0.0 174.4





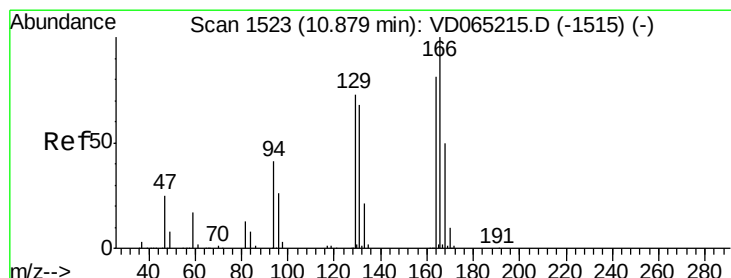
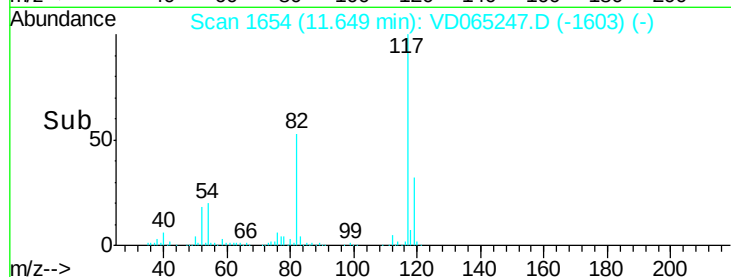
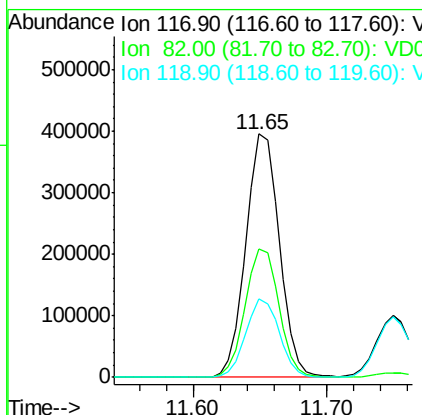
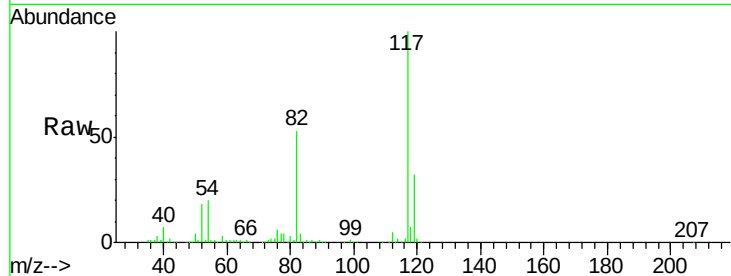
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.7	64.1
119	32.1	25.5	38.3

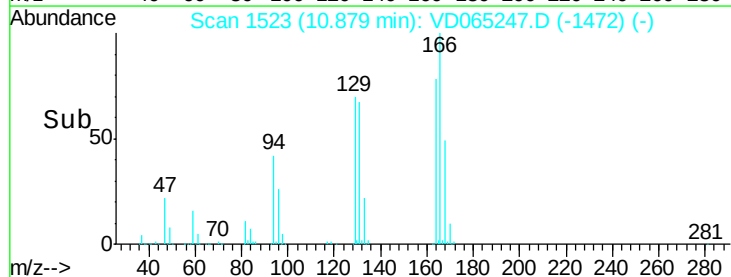
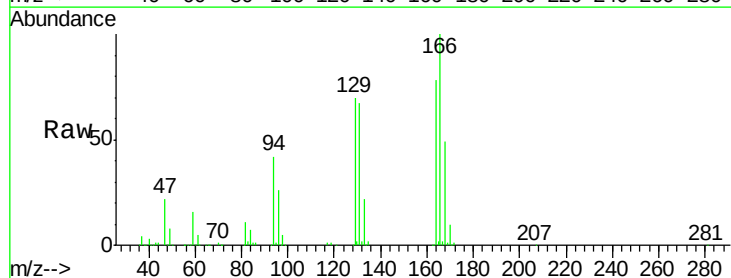
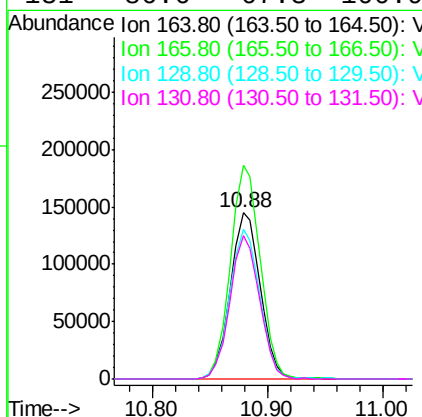
Manual Integrations
APPROVED

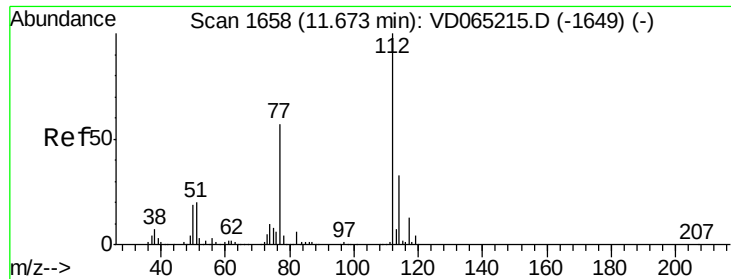
MMDadoda
2/21/2020 3:22:46 PM



#64
Tetrachloroethene
Concen: 53.564 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.6	98.4	147.6
129	90.2	71.6	107.4
131	86.6	67.3	100.9





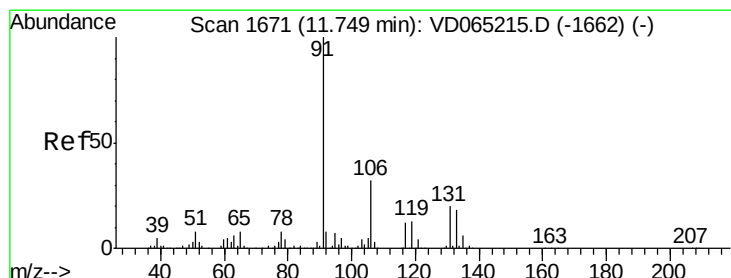
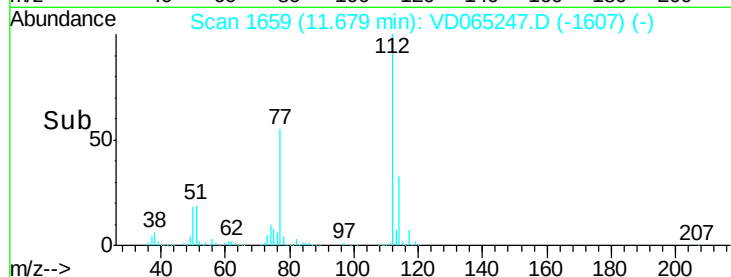
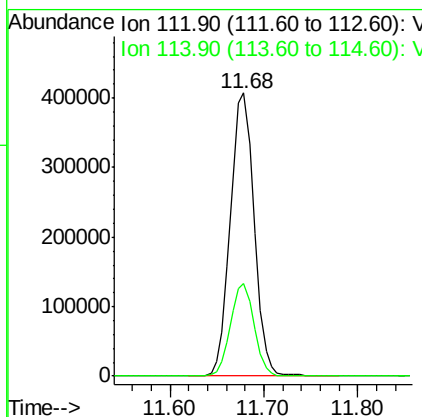
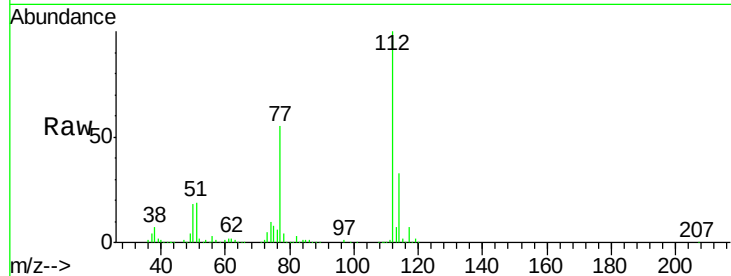
#65
Chlorobenzene
Concen: 52.083 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.8	26.4	39.6

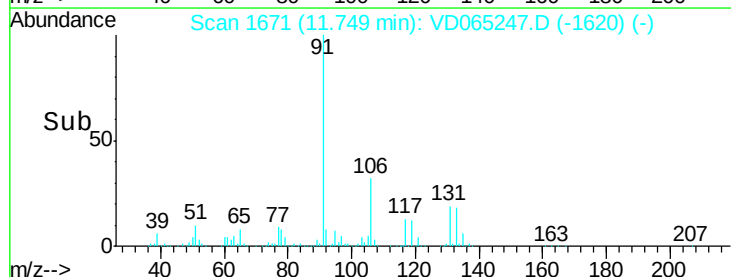
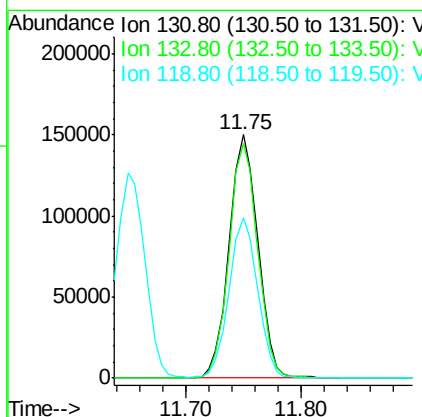
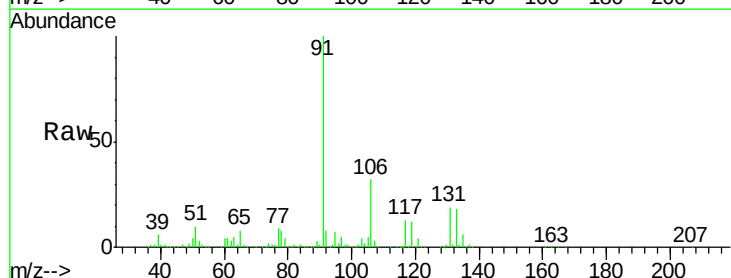
Manual Integrations
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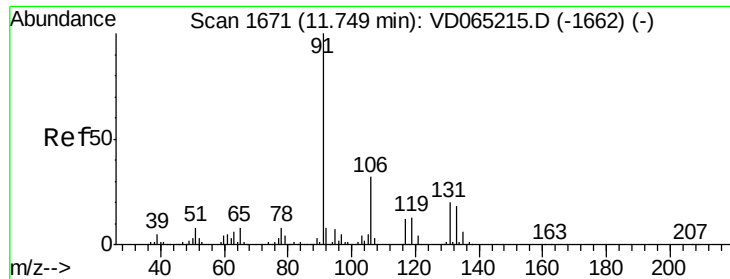
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 50.581 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	47.7	143.1
119	65.8	32.7	98.1





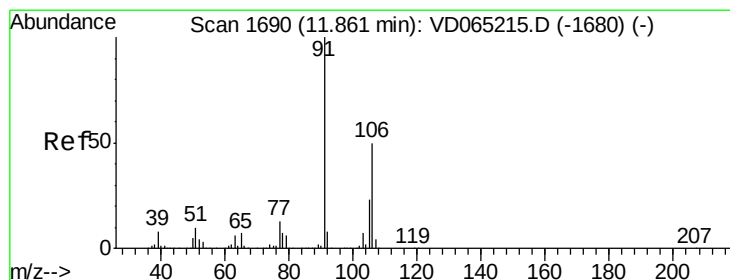
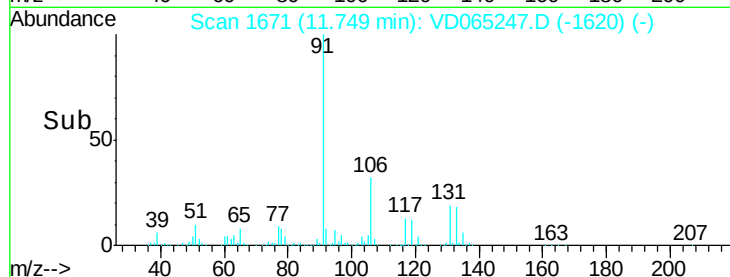
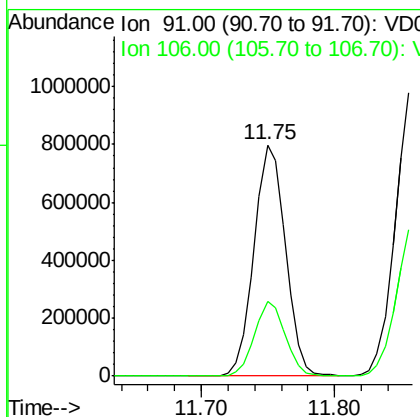
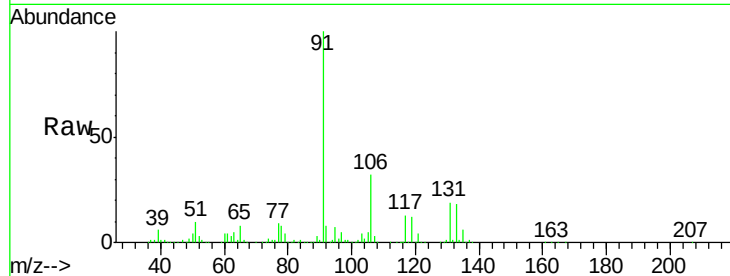
#67
Ethyl Benzene
Concen: 53.816 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1299275
Ion Ratio Lower Upper
91 100
106 32.0 25.2 37.8

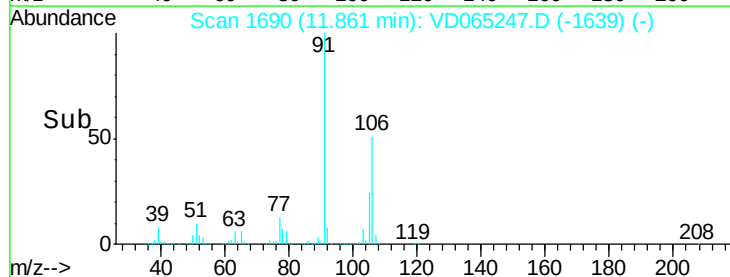
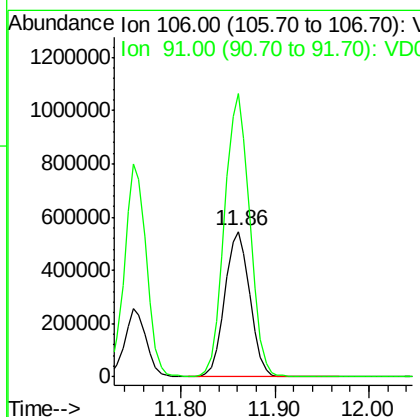
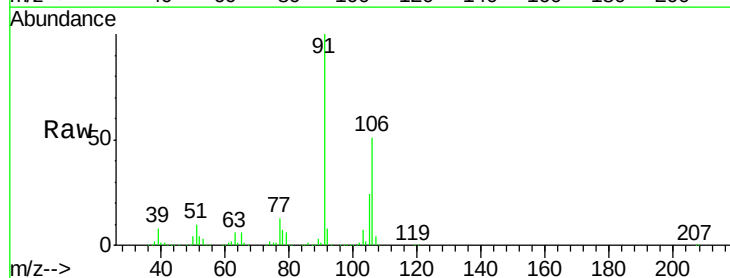
Manual Integrations
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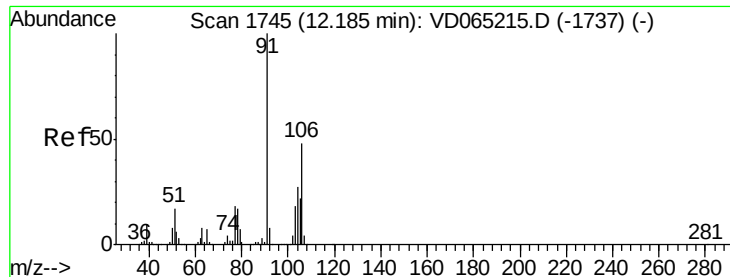
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#68
m/p-Xylenes
Concen: 109.275 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion: 106 Resp: 1009357
Ion Ratio Lower Upper
106 100
91 196.3 158.2 237.4





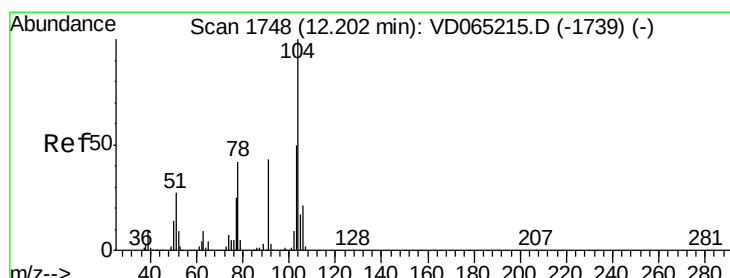
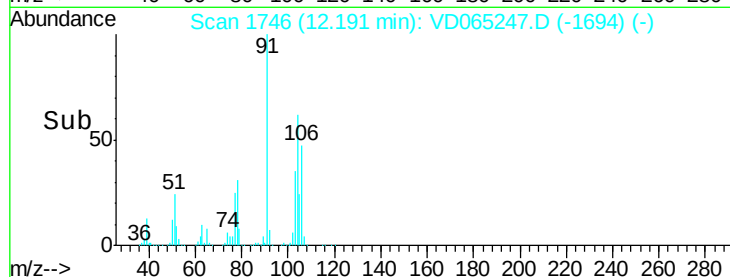
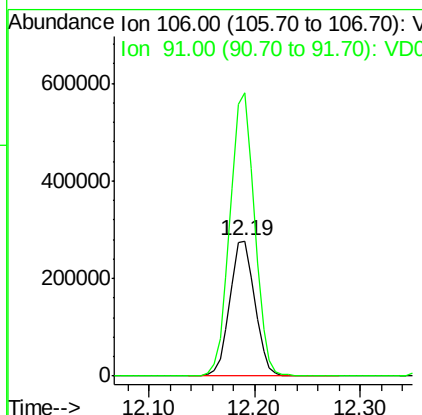
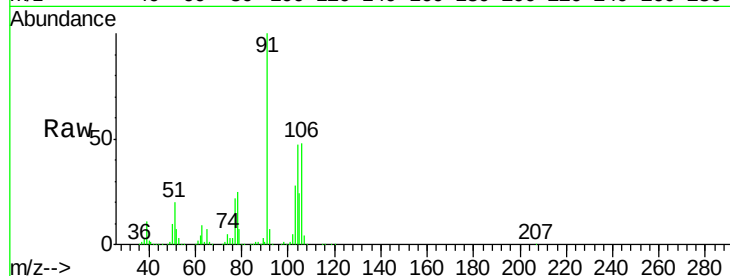
#69
o-Xylene
Concen: 55.381 ug/l
RT: 12.19 min Scan# 1746
Delta R.T. 0.01 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
106	100			
91	205.6	104.7	313.9	

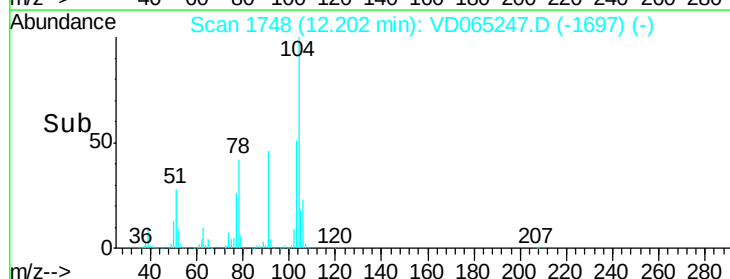
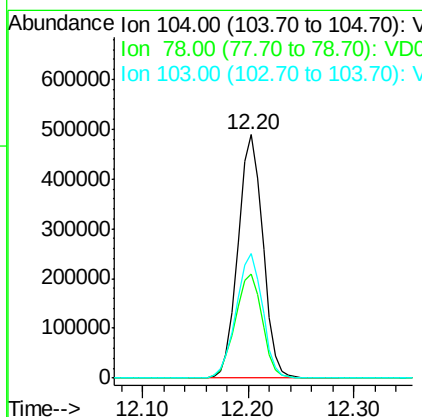
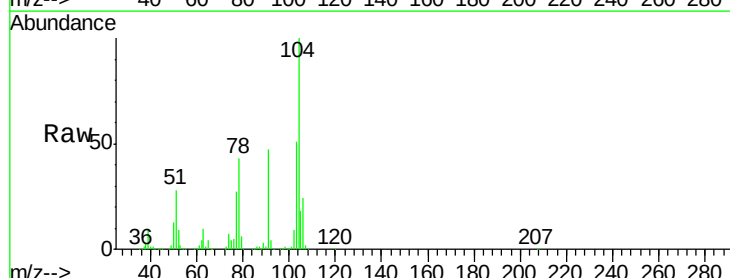
Manual Integrations
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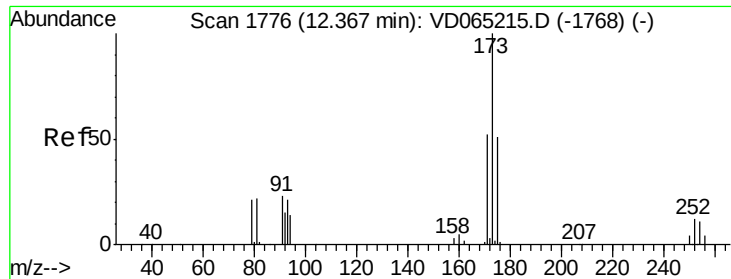
MMDadoda
2/21/2020 3:22:46 PM



#70
Styrene
Concen: 54.624 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ion	Ratio	Lower	Upper
104	100			
78	46.8	37.8	56.6	
103	54.4	43.4	65.2	





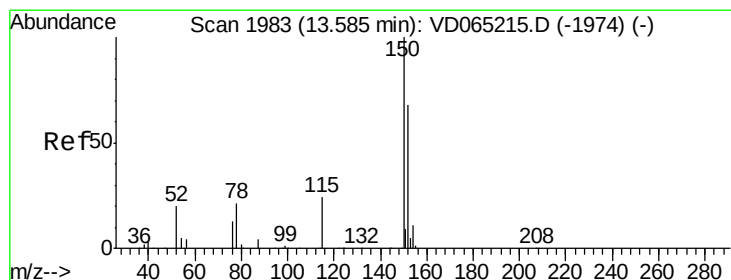
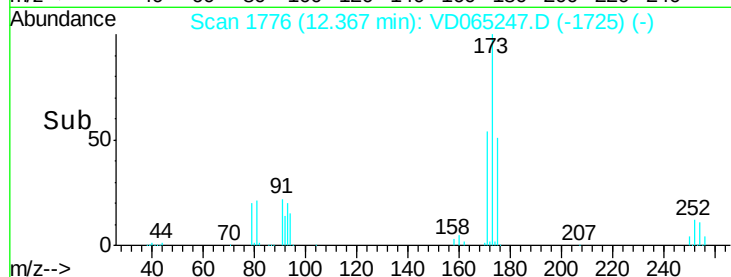
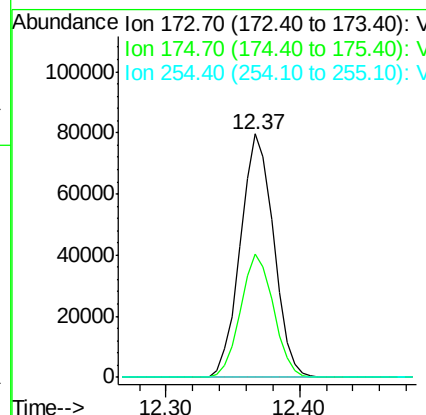
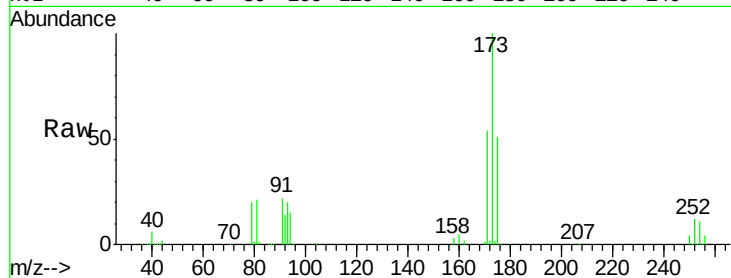
#71
Bromoform
Concen: 48.076 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	24.4	73.4
254	0.1	0.0	0.0

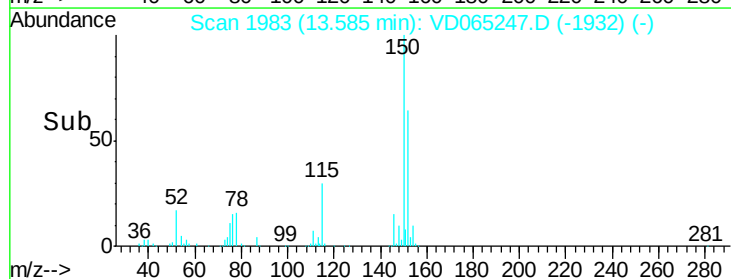
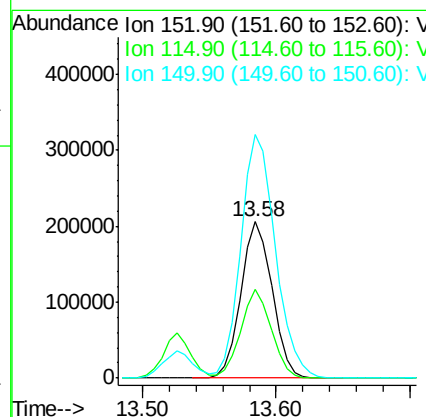
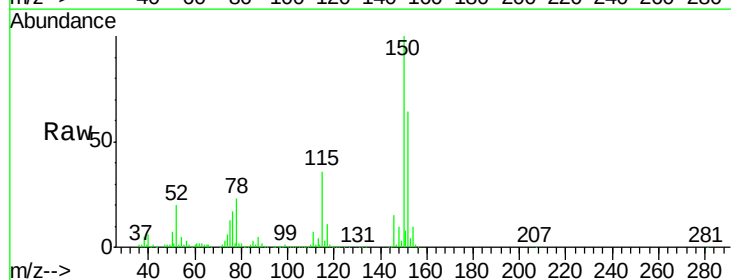
Manual Integrations
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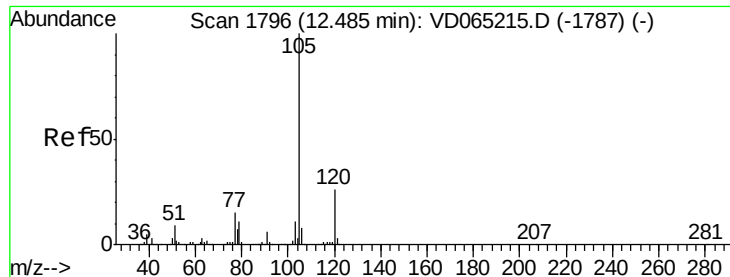
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.2	27.6	82.8
150	172.5	0.0	347.4





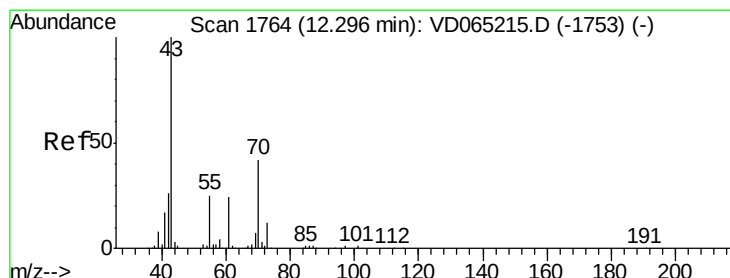
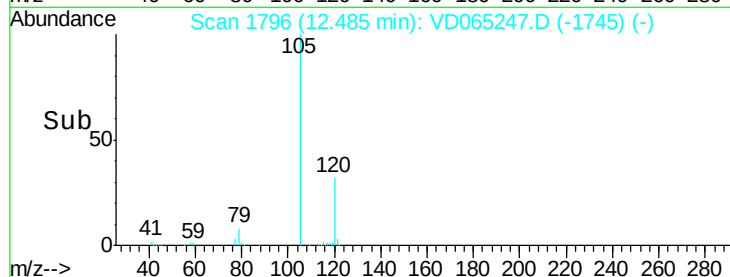
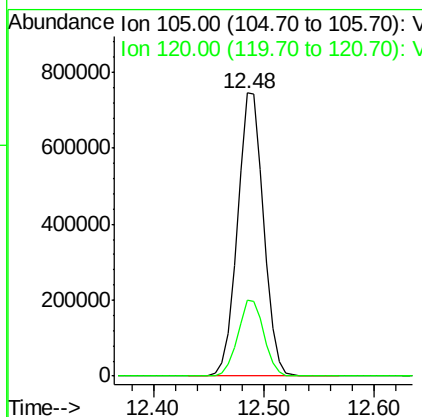
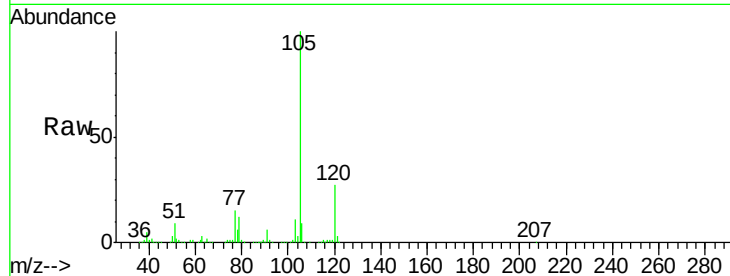
#73
Isopropylbenzene
Concen: 56.167 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.3	39.9

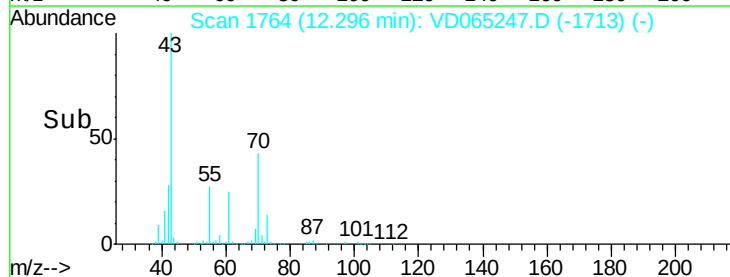
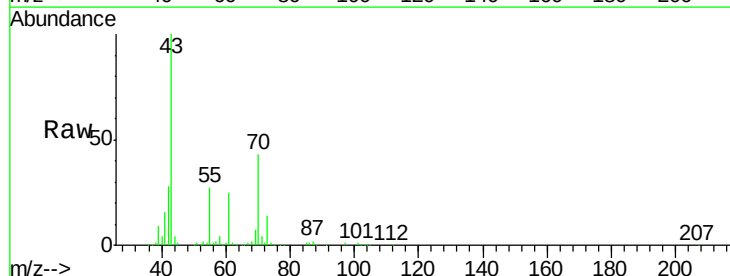
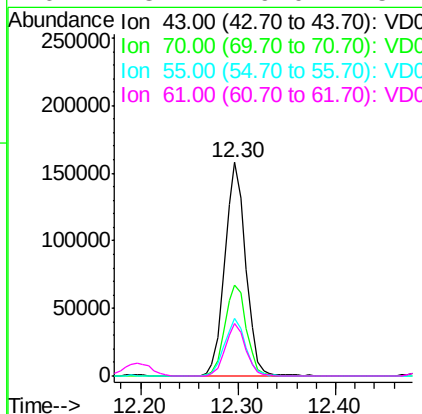
Manual Integrations
APPROVED

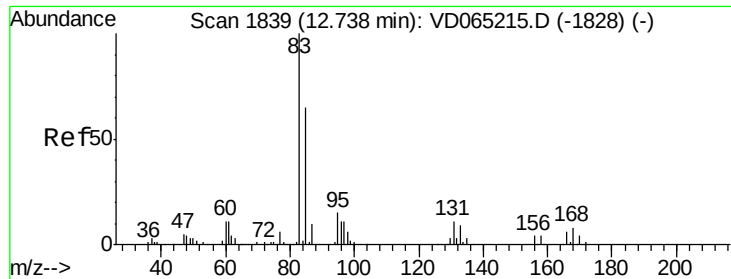
MMDadoda
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#74
N-ethyl acetate
Concen: 47.858 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
43	100		
70	43.9	33.7	50.5
55	27.1	20.7	31.1
61	23.7	19.0	28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.632 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

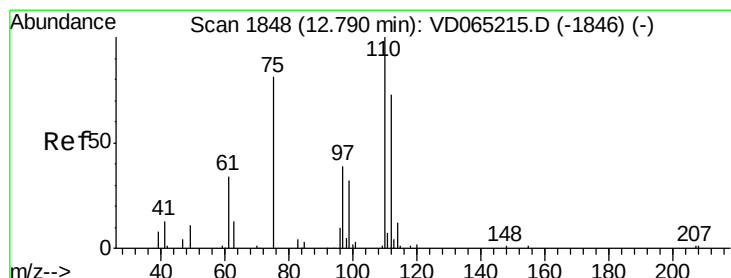
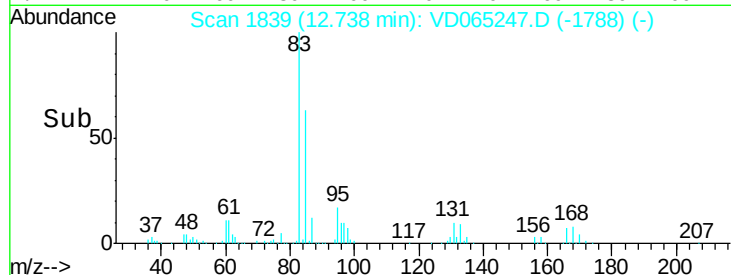
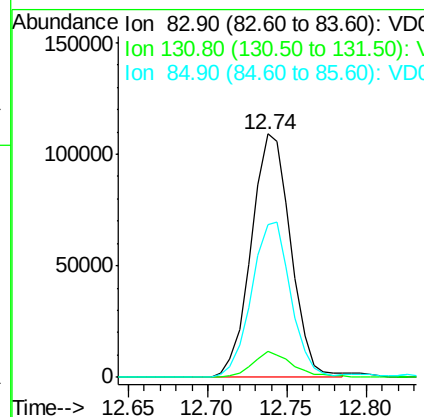
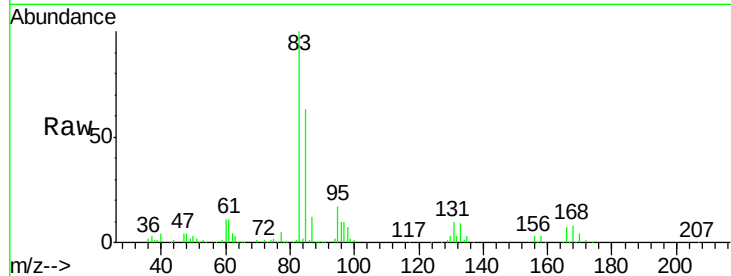
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	189274
Ion Ratio	Lower	Upper	
83	100		
131	10.5	5.4	16.2
85	63.2	31.6	94.8

Manual Integrations
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2/21/2020 3:22:46 PM



#76

1,2,3-Trichloropropane

Concen: 47.309 ug/l m

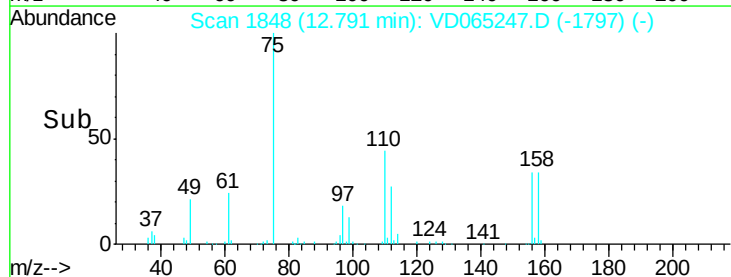
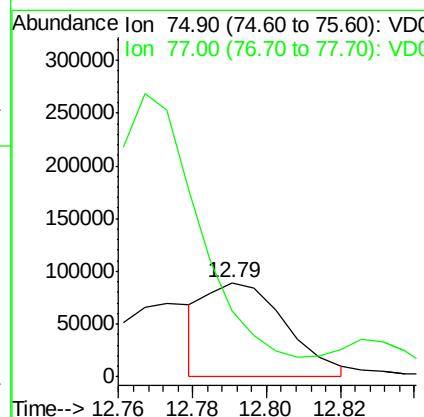
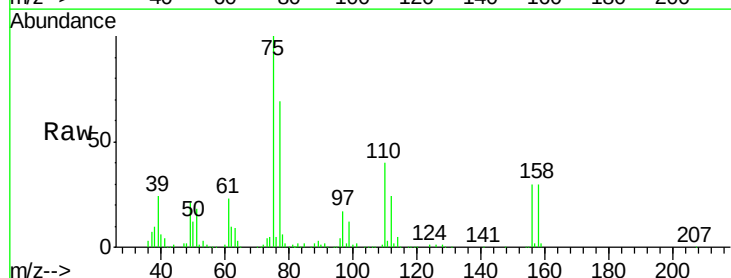
RT: 12.79 min Scan# 1848

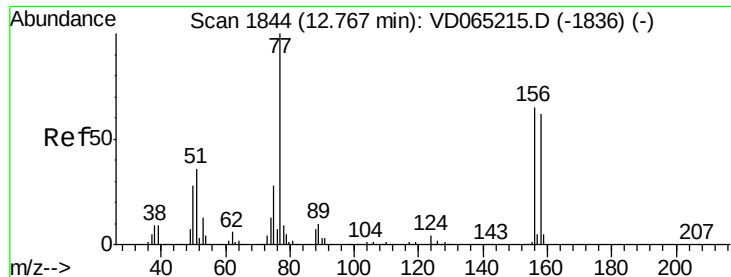
Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tgt Ion:	75	Resp:	133863
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.312 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

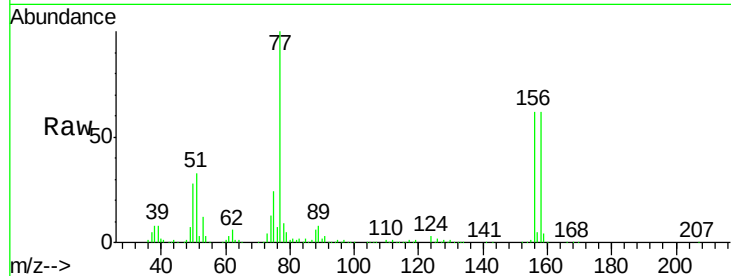
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	171.7	86.6	259.7	
158	96.5	48.1	144.3	

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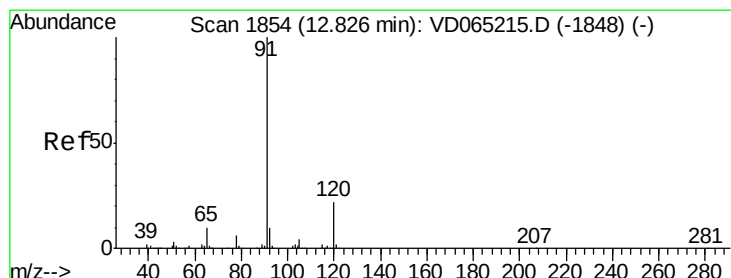
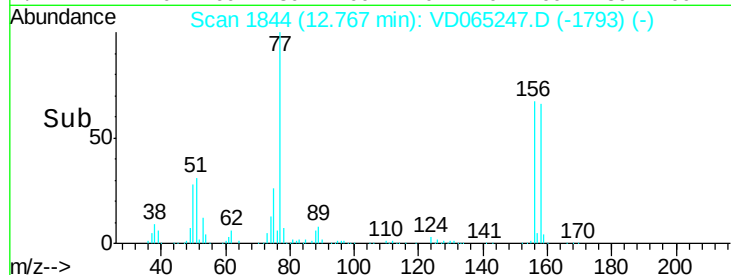
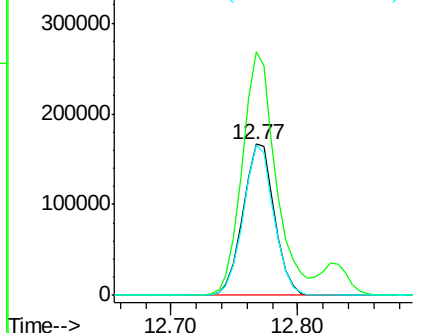
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 55.540 ug/l

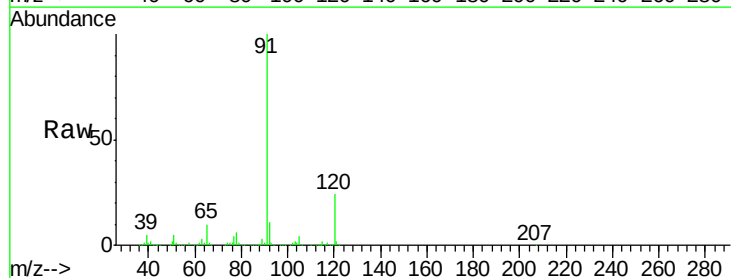
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065247.D

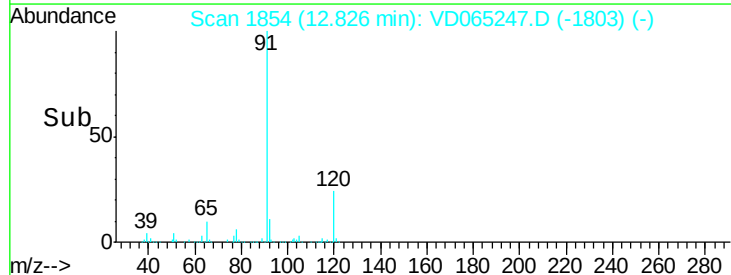
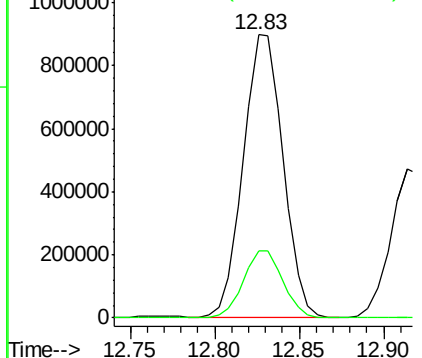
Acq: 20 Feb 2020 10:27

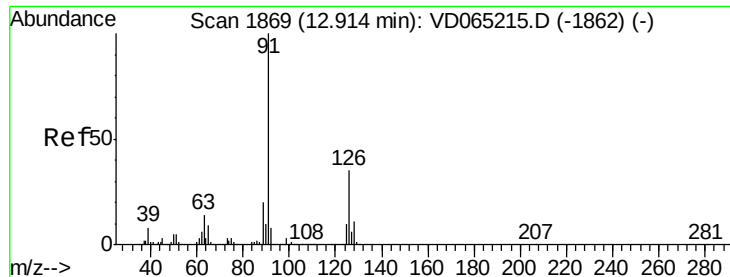
Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.5	11.5	34.5	



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 54.137 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 802440

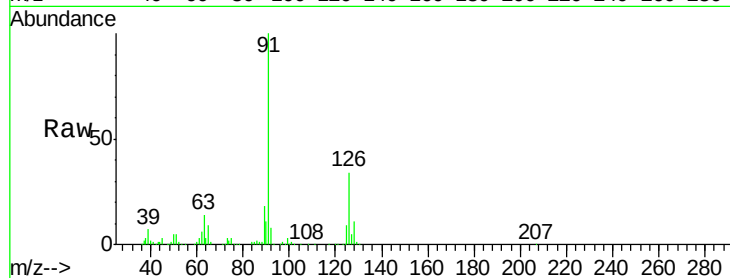
Ion Ratio Lower Upper

91 100

126 34.8 17.5 52.6

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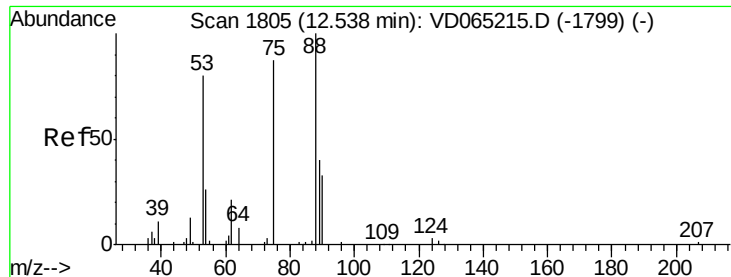


Abundance Ion 91.00 (90.70 to 91.70): VD065215.D (-1862) (-)

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)

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

Ion 125.90 (125.60 to 126.60): VD065215.D (-1862) (-)



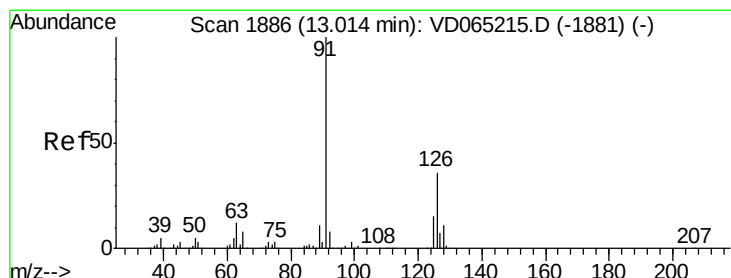
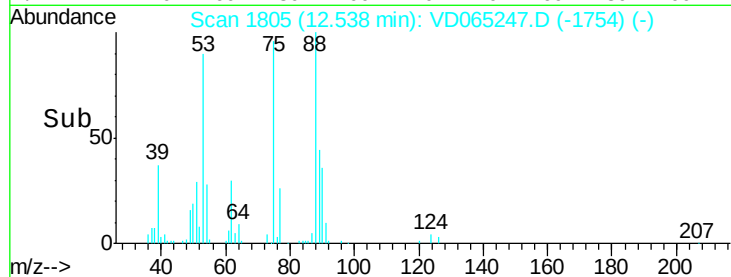
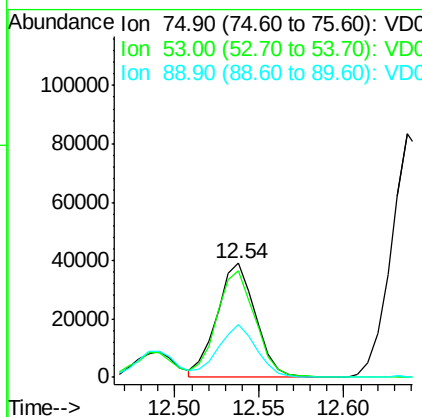
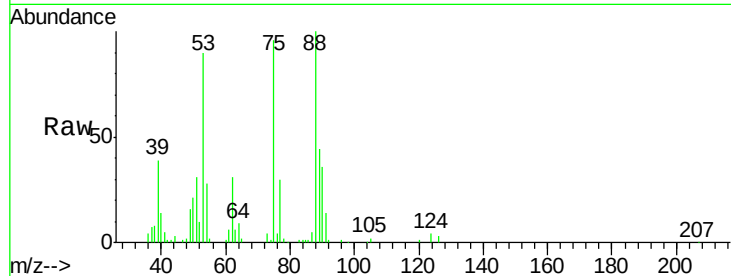
#81
trans-1,4-Dichloro-2-butene
Concen: 47.574 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	92.9	77.6	116.4
89	45.4	37.2	55.8

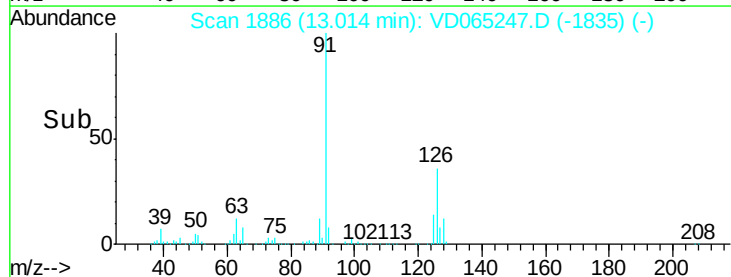
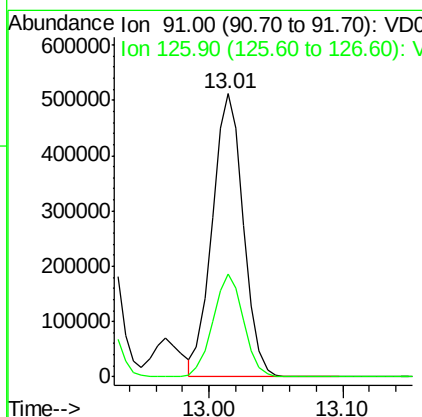
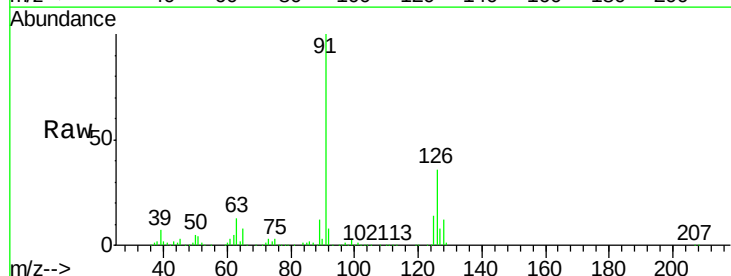
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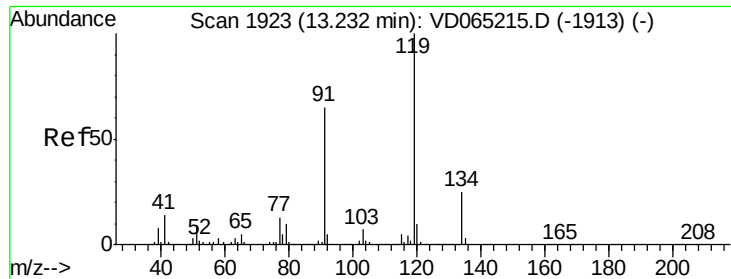
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#82
4-Chlorotoluene
Concen: 52.992 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.8	17.4	52.3





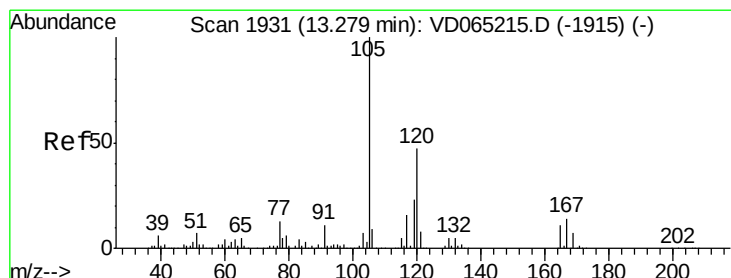
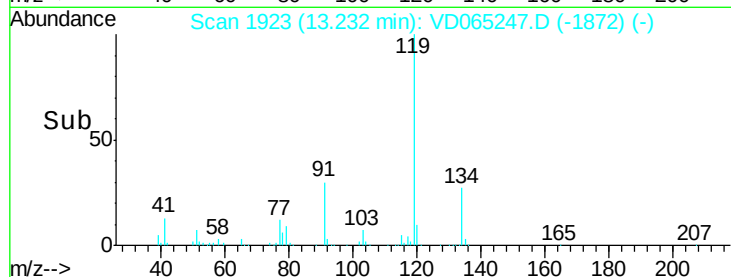
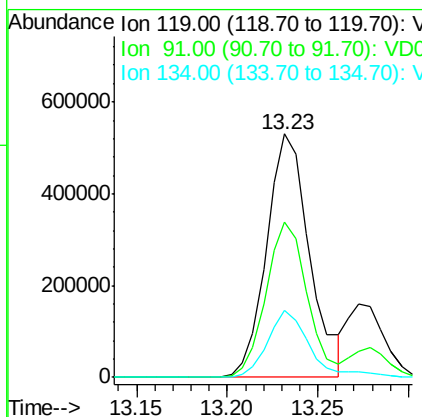
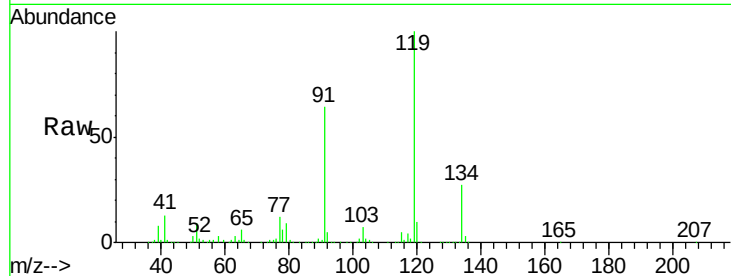
#83
 tert-Butylbenzene
 Concen: 57.621 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
119	100		
91	61.3	31.9	95.5
134	27.1	13.8	41.3

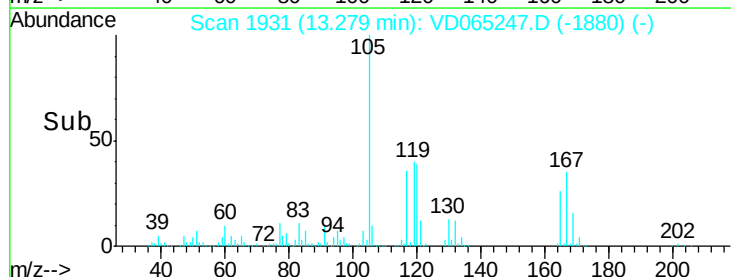
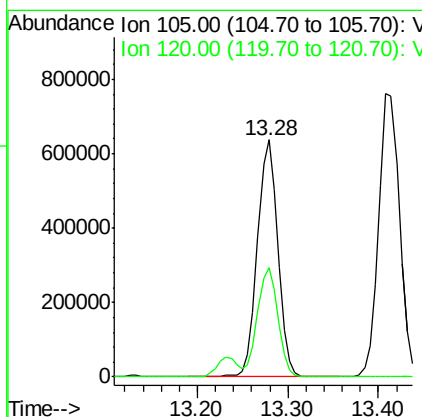
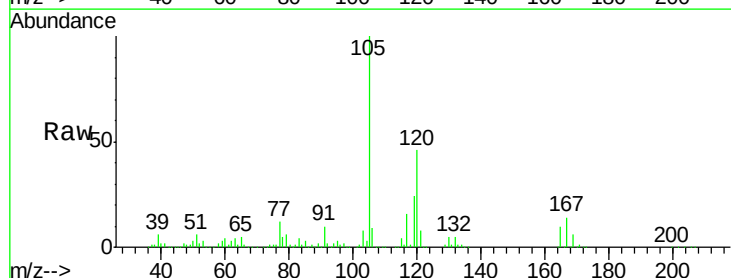
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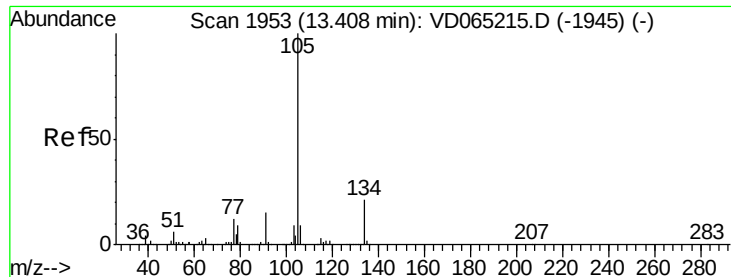
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#84
 1,2,4-Trimethylbenzene
 Concen: 55.171 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.2	23.3	69.9





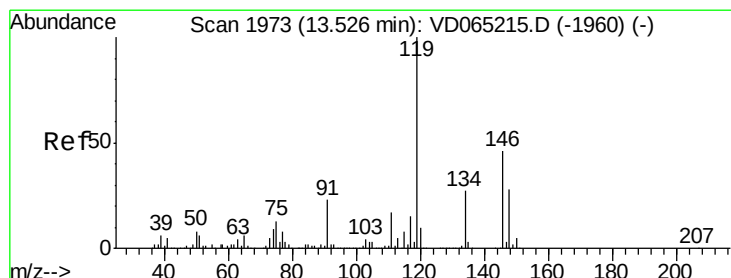
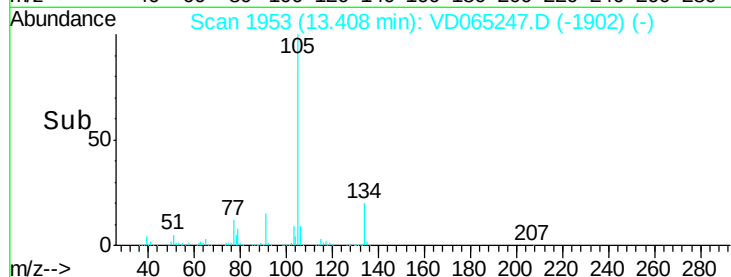
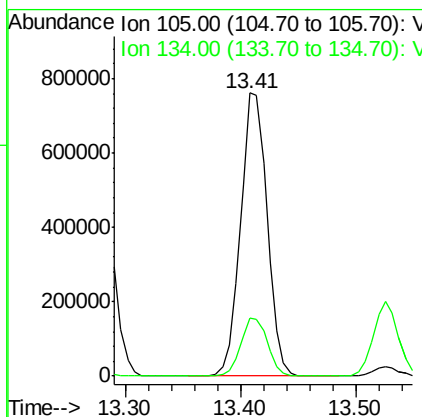
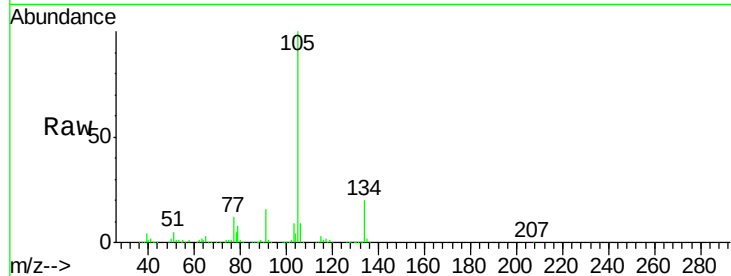
#85
 sec-Butylbenzene
 Concen: 55.474 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.6	10.3	30.9

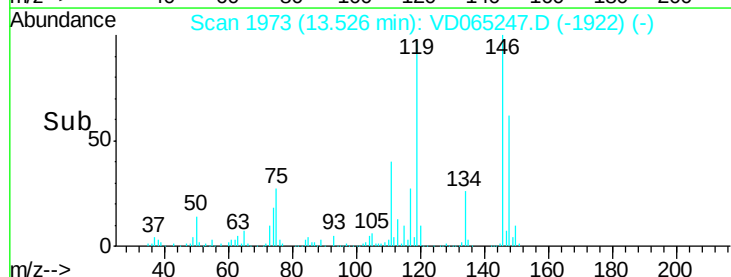
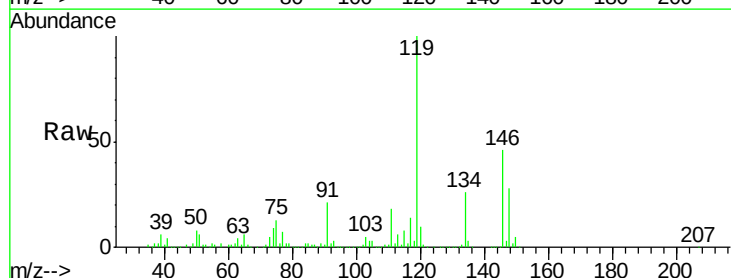
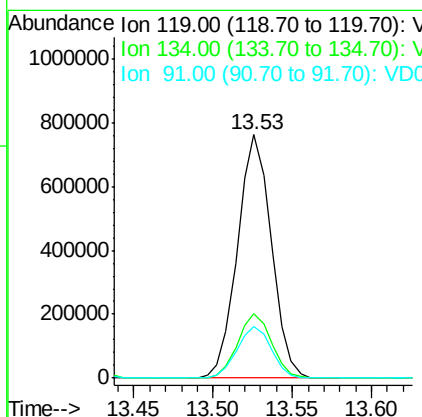
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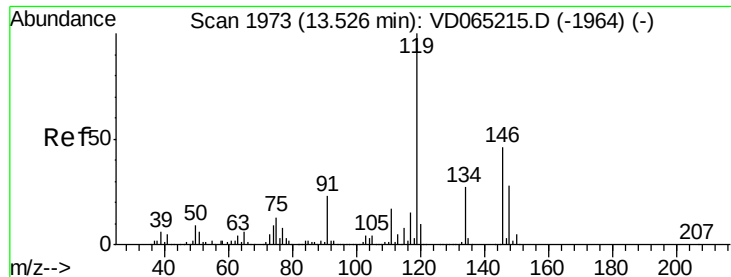
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#86
 p-Isopropyltoluene
 Concen: 56.318 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.7	13.3	39.8
91	21.7	11.1	33.1





#87

1,3-Dichlorobenzene

Concen: 51.941 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

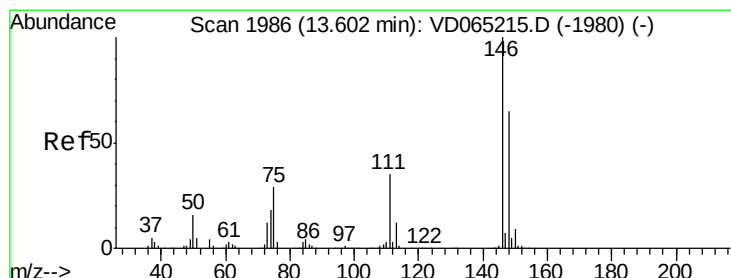
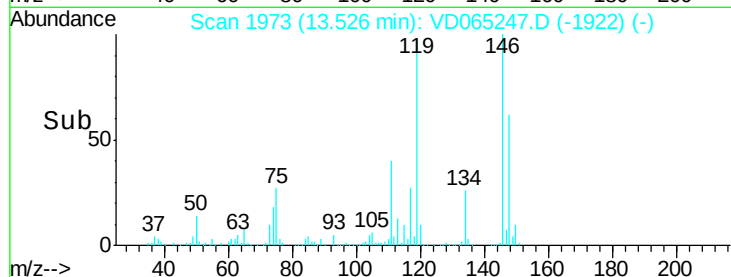
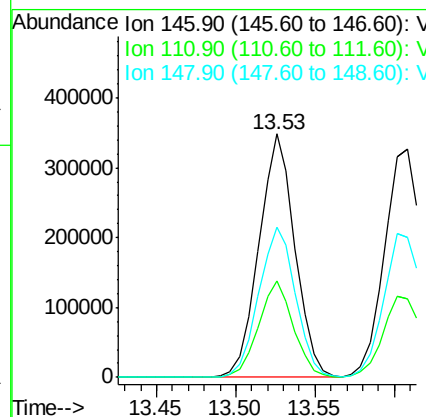
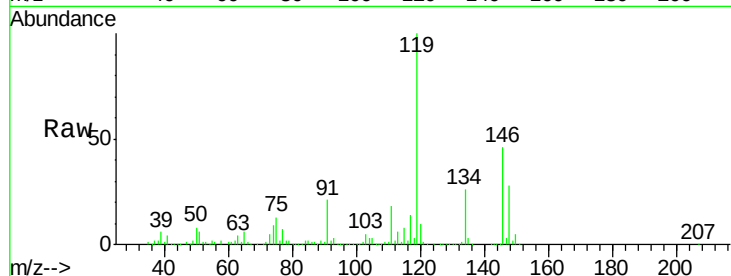
ClientSampleId :

VSTDCCC050

Tot Ion:	146	Resp:	548990
Ion Ratio	Lower	Upper	
146	100		
111	38.5	18.6	55.8
148	63.2	31.4	94.3

Manual Integrations
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#88

1,4-Dichlorobenzene

Concen: 51.633 ug/l

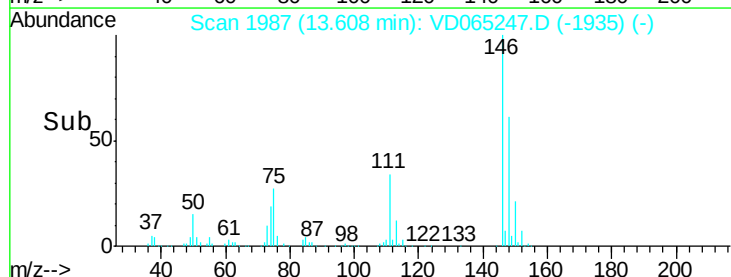
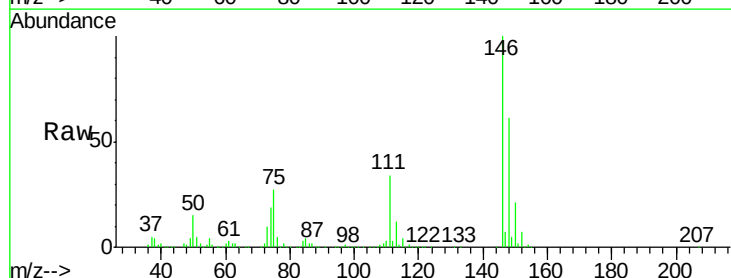
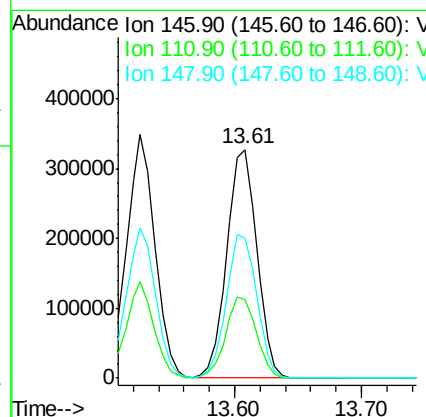
RT: 13.61 min Scan# 1987

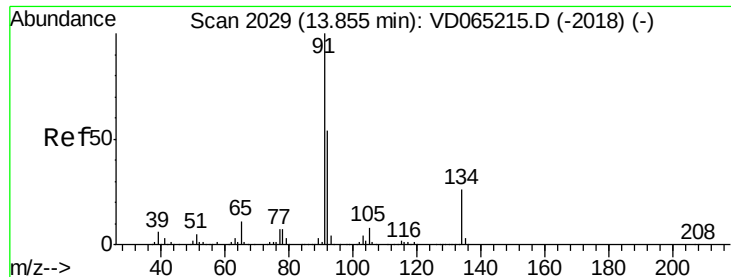
Delta R.T. 0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Tgt Ion:	146	Resp:	538607
Ion Ratio	Lower	Upper	
146	100		
111	36.1	18.4	55.2
148	63.6	32.1	96.5





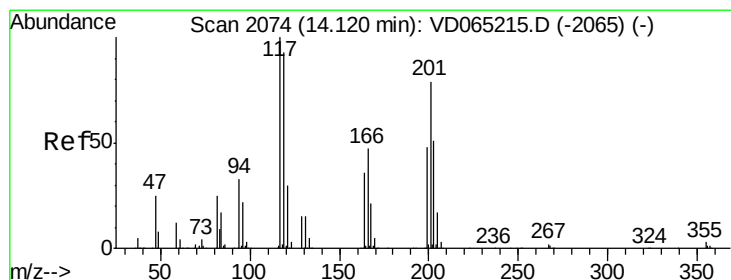
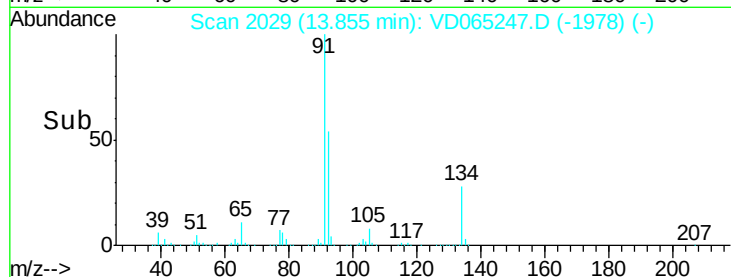
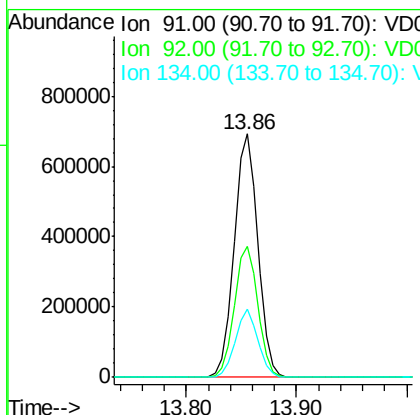
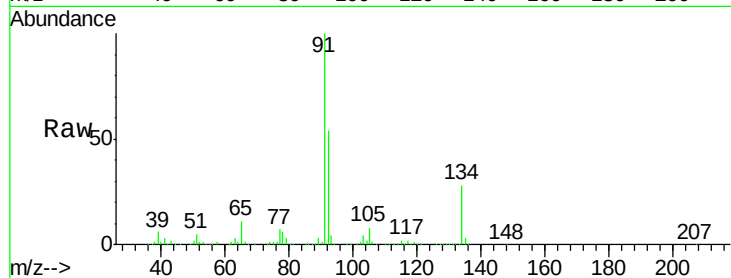
#89
n-Butylbenzene
Concen: 56.374 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.0	80.8
134	26.8	13.5	40.4

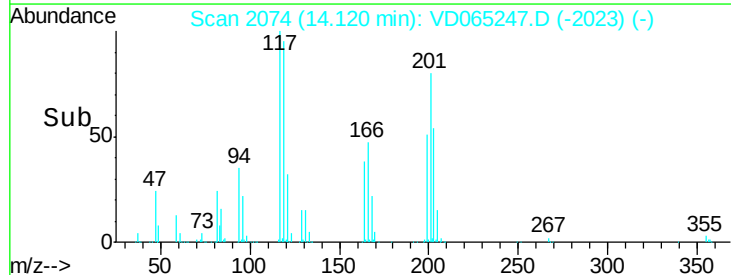
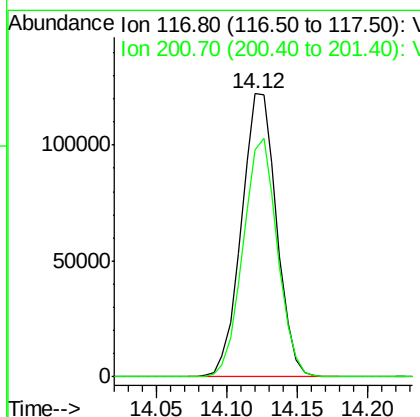
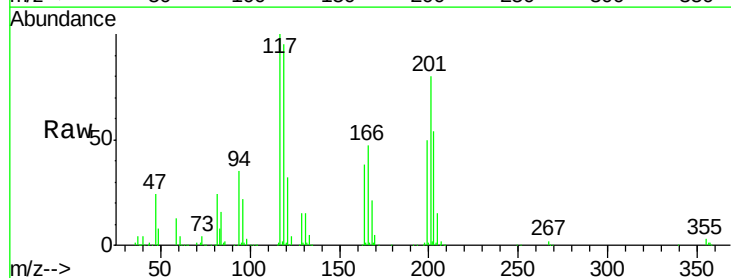
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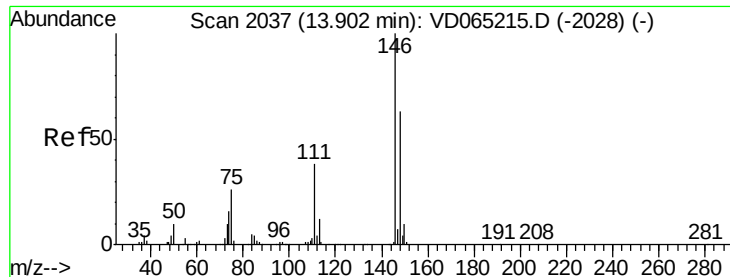
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#90
Hexachloroethane
Concen: 52.457 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.3	41.3	124.1





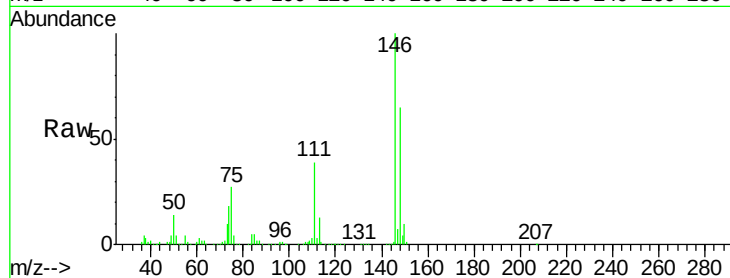
#91
 1,2-Dichlorobenzene
 Concen: 51.037 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

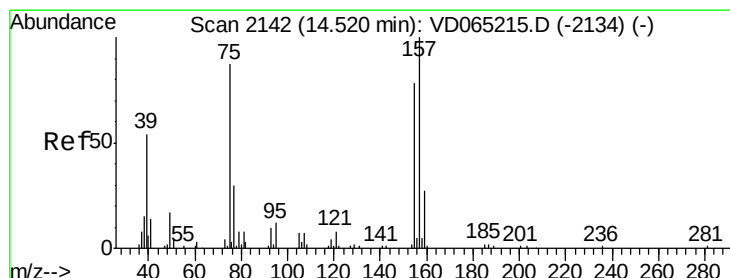
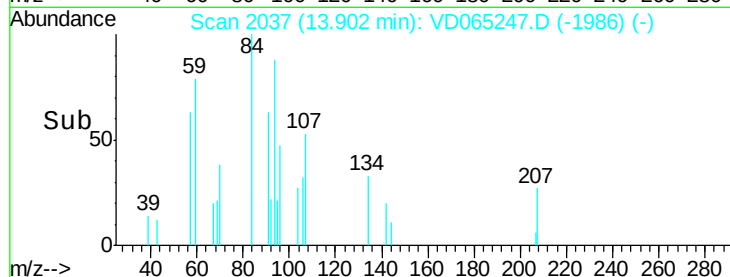
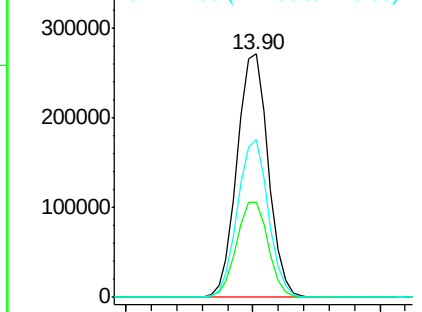
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.0
148	63.8	32.0	96.2

Manual Integrations
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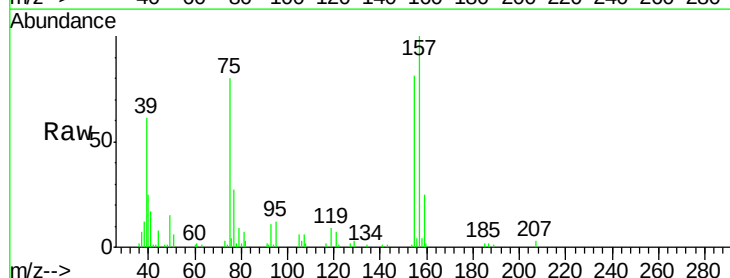


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

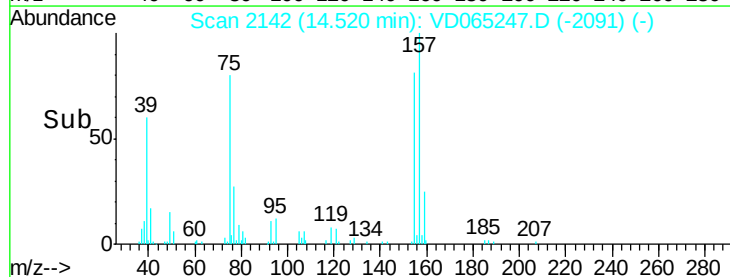
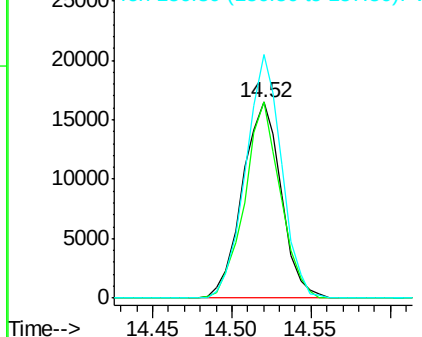


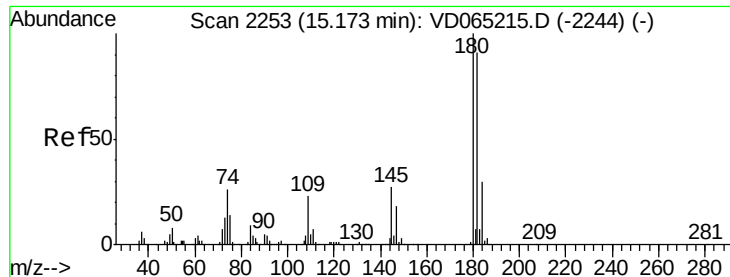
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 45.632 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065247.D
 Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.8	42.3	126.9
157	114.8	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: 53.364 ug/l

RT: 15.18 min Scan# 2254

Delta R.T. 0.01 min

Lab File: VD065247.D

Acq: 20 Feb 2020 10:27

Instrument :

MSVOA_D

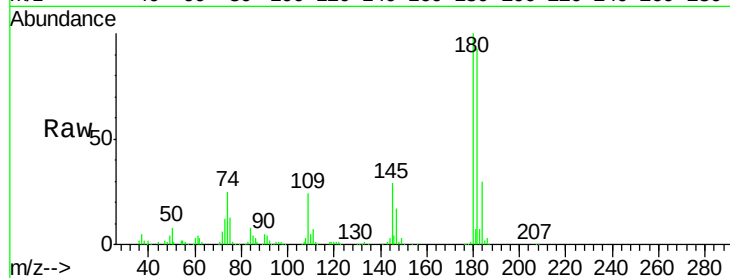
ClientSampleId :

VSTDCCC050

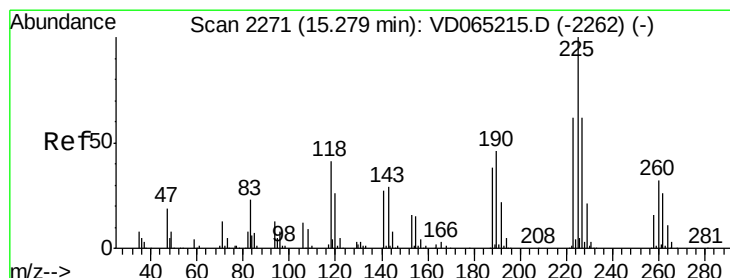
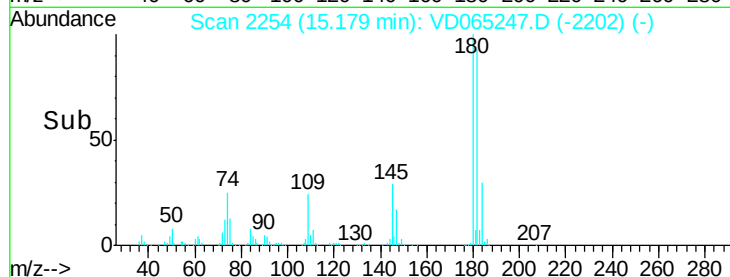
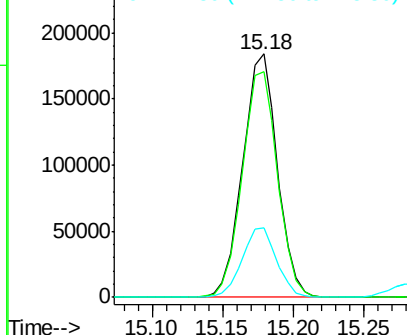
Tot Ion:	180	Resp:	316786
Ion Ratio	Lower	Upper	
180	100		
182	94.5	46.9	140.6
145	28.5	13.9	41.7

Manual Integrations
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Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 54.303 ug/l

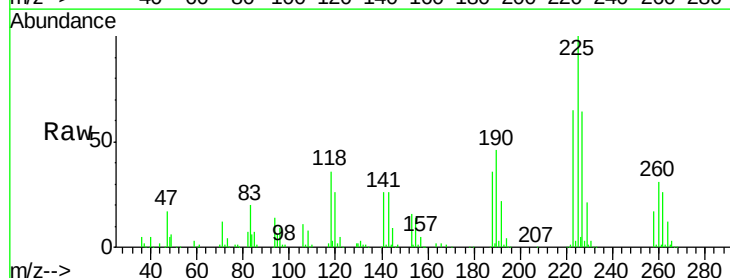
RT: 15.28 min Scan# 2272

Delta R.T. 0.01 min

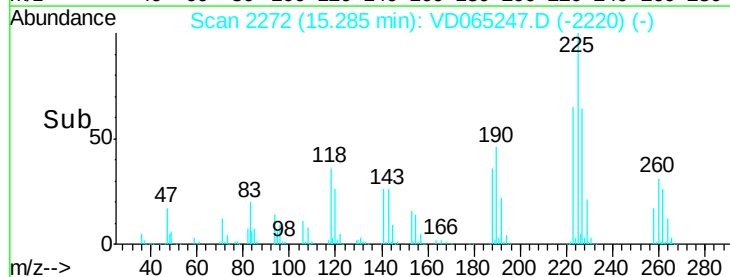
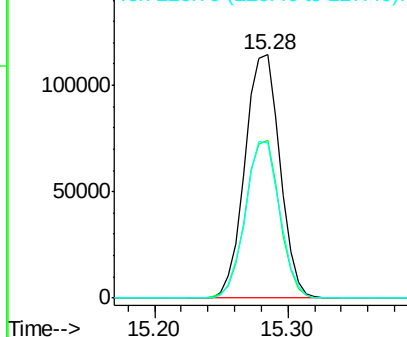
Lab File: VD065247.D

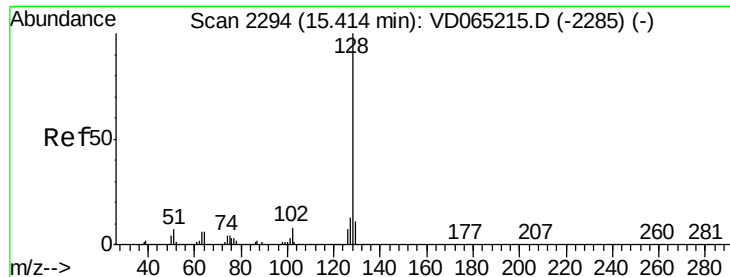
Acq: 20 Feb 2020 10:27

Tgt Ion:	225	Resp:	206786
Ion Ratio	Lower	Upper	
225	100		
223	63.1	31.4	94.2
227	63.3	31.7	95.1



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V





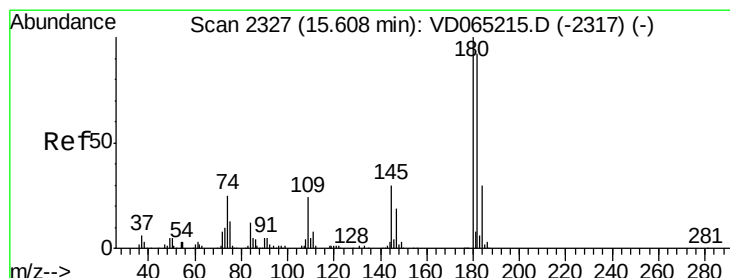
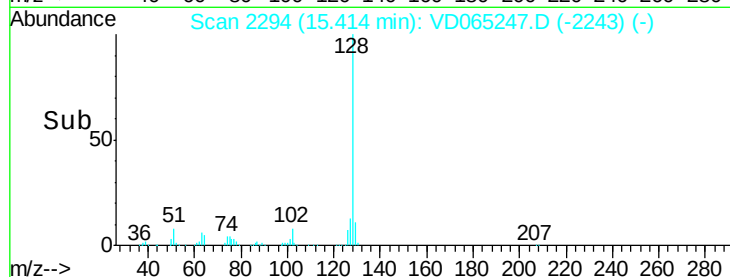
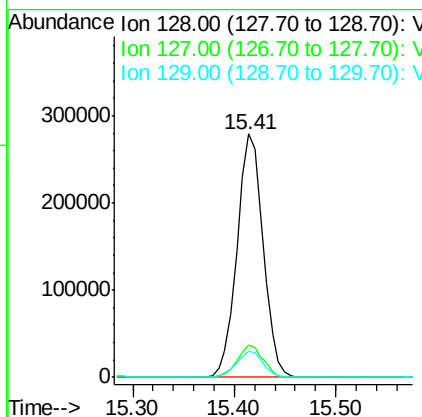
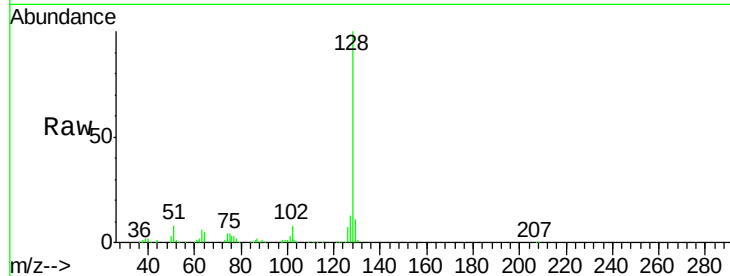
#95
Naphthalene
Concen: 51.568 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
128	100	497655		
127	13.1		10.3	15.5
129	10.9		8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 51.350 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065247.D
Acq: 20 Feb 2020 10:27

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	266225		
182	95.6		46.9	140.6
145	30.5		15.4	46.1

