

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022620\
 Data File : VD065336.D
 Acq On : 26 Feb 2020 19:06
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Manual Integrations
 APPROVED

MMDadoda
 2/27/2020 11:39:26 AM

Quant Time: Feb 27 08:42:59 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	457079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	679455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	628945	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	307165	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	209839	51.03	ug/l	0.00
Spiked Amount			Recovery	=	102.06%	
35) Dibromofluoromethane	7.92	113	220650	53.26	ug/l	0.00
Spiked Amount			Recovery	=	106.52%	
50) Toluene-d8	10.34	98	849111	53.61	ug/l	0.00
Spiked Amount			Recovery	=	107.22%	
62) 4-Bromofluorobenzene	12.64	95	274775	54.77	ug/l	0.00
Spiked Amount			Recovery	=	109.54%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	187243	48.841	ug/l	99
3) Chloromethane	2.21	50	223350	45.772	ug/l	100
4) Vinyl Chloride	2.35	62	220304	44.399	ug/l	99
5) Bromomethane	2.77	94	140649	46.882	ug/l	93
6) Chloroethane	2.93	64	139375	46.017	ug/l	99
7) Trichlorofluoromethane	3.27	101	335559	47.236	ug/l	98
8) Diethyl Ether	3.70	74	111965	52.214	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	215421	48.019	ug/l	98
10) Methyl Iodide	4.30	142	243258	52.225	ug/l	99
11) Tert butyl alcohol	5.25	59	66248	269.616	ug/l	98
12) 1,1-Dichloroethene	4.06	96	206176	48.651	ug/l	95
13) Acrolein	3.92	56	73977	245.229	ug/l	99
14) Allyl chloride	4.71	41	344474	50.056	ug/l	98
15) Acrylonitrile	5.43	53	248001	261.227	ug/l	99
16) Acetone	4.17	43	197852	196.837	ug/l	94
17) Carbon Disulfide	4.40	76	654784	46.086	ug/l	97
18) Methyl Acetate	4.73	43	115388	51.041	ug/l	97
19) Methyl tert-butyl Ether	5.48	73	470891	53.285	ug/l	96
20) Methylene Chloride	4.96	84	249480	56.337	ug/l	95
21) trans-1,2-Dichloroethene	5.47	96	241471	50.122	ug/l	97
22) Diisopropyl ether	6.37	45	703734	53.046	ug/l	99
23) Vinyl Acetate	6.31	43	1967723	269.042	ug/l	100
24) 1,1-Dichloroethane	6.27	63	412910	50.179	ug/l	98
25) 2-Butanone	7.22	43	296183	232.896	ug/l	98
26) 2,2-Dichloropropane	7.21	77	335789	47.032	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	260634	51.074	ug/l	99
28) Bromochloromethane	7.55	49	159031	52.093	ug/l	99
29) Tetrahydrofuran	7.57	42	197133	264.557	ug/l	99
30) Chloroform	7.71	83	416745	50.269	ug/l	99
31) Cyclohexane	7.98	56	375979	46.503	ug/l	97
32) 1,1,1-Trichloroethane	7.91	97	362986	48.937	ug/l	100
36) 1,1-Dichloropropene	8.11	75	326883	49.444	ug/l	99
37) Ethyl Acetate	7.30	43	137180	49.635	ug/l	99
38) Carbon Tetrachloride	8.10	117	333725	49.587	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	393403	50.616	ug/l	98
40) Benzene	8.36	78	953580	51.101	ug/l	100
41) Methacrylonitrile	7.53	41	77467	48.545	ug/l	96
42) 1,2-Dichloroethane	8.43	62	255338	49.773	ug/l	100
43) Isopropyl Acetate	8.46	43	259714	51.676	ug/l	99
44) Trichloroethene	9.11	130	261914	50.634	ug/l	97
45) 1,2-Dichloropropane	9.39	63	242055	52.166	ug/l	99
46) Dibromomethane	9.48	93	122952	51.500	ug/l	99
47) Bromodichloromethane	9.67	83	320267	50.903	ug/l	97
48) Methyl methacrylate	9.46	41	121494	52.299	ug/l	98
49) 1,4-Dioxane	9.47	88	30071	1073.930	ug/l	92
51) 4-Methyl-2-Pentanone	10.24	43	672765	263.553	ug/l	99
52) Toluene	10.41	92	609504	52.769	ug/l	100
53) t-1,3-Dichloropropene	10.63	75	308100	52.831	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	372845	52.944	ug/l	97
55) 1,1,2-Trichloroethane	10.81	97	172103	51.217	ug/l	97
56) Ethyl methacrylate	10.67	69	217504	56.079	ug/l	98
57) 1,3-Dichloropropane	10.96	76	303070	52.992	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	291308	238.232	ug/l	98
59) 2-Hexanone	10.99	43	461951	252.804	ug/l	97
60) Dibromochloromethane	11.14	129	224488	52.195	ug/l	99
61) 1,2-Dibromoethane	11.25	107	166282	52.264	ug/l	99
64) Tetrachloroethene	10.88	164	224668	50.366	ug/l	97
65) Chlorobenzene	11.67	112	643467	50.982	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	239349	50.818	ug/l	99
67) Ethyl Benzene	11.75	91	1142928	51.705	ug/l	99
68) m/p-Xylenes	11.86	106	879945	104.047	ug/l	99
69) o-Xylene	12.18	106	399470	53.315	ug/l	100
70) Styrene	12.20	104	705058	53.001	ug/l	99
71) Bromoform	12.37	173	131525	50.324	ug/l #	98
73) Isopropylbenzene	12.48	105	1077187	52.970	ug/l	99
74) N-amyl acetate	12.30	43	236938	52.435	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.74	83	185106	50.435	ug/l	97
76) 1,2,3-Trichloropropane	12.79	75	124477m	47.629	ug/l	
77) Bromobenzene	12.77	156	263597	52.200	ug/l	99
78) n-propylbenzene	12.83	91	1284678	52.569	ug/l	100
79) 2-Chlorotoluene	12.91	91	713560	52.122	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	886406	52.923	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	59277	48.973	ug/l	97
82) 4-Chlorotoluene	13.01	91	759165	52.233	ug/l	99
83) tert-Butylbenzene	13.23	119	773565	55.106	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	892954	53.264	ug/l	100
85) sec-Butylbenzene	13.41	105	1046163	51.719	ug/l	99
86) p-Isopropyltoluene	13.53	119	981260	53.046	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	497599	50.972	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	487647	50.613	ug/l	100
89) n-Butylbenzene	13.86	91	908000	53.268	ug/l	100
90) Hexachloroethane	14.13	117	190595	50.744	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	430872	51.403	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	27410	48.463	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	299545	54.633	ug/l	98
94) Hexachlorobutadiene	15.28	225	182958	52.018	ug/l	100
95) Naphthalene	15.41	128	502424	56.367	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	263628	55.053	ug/l	100

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

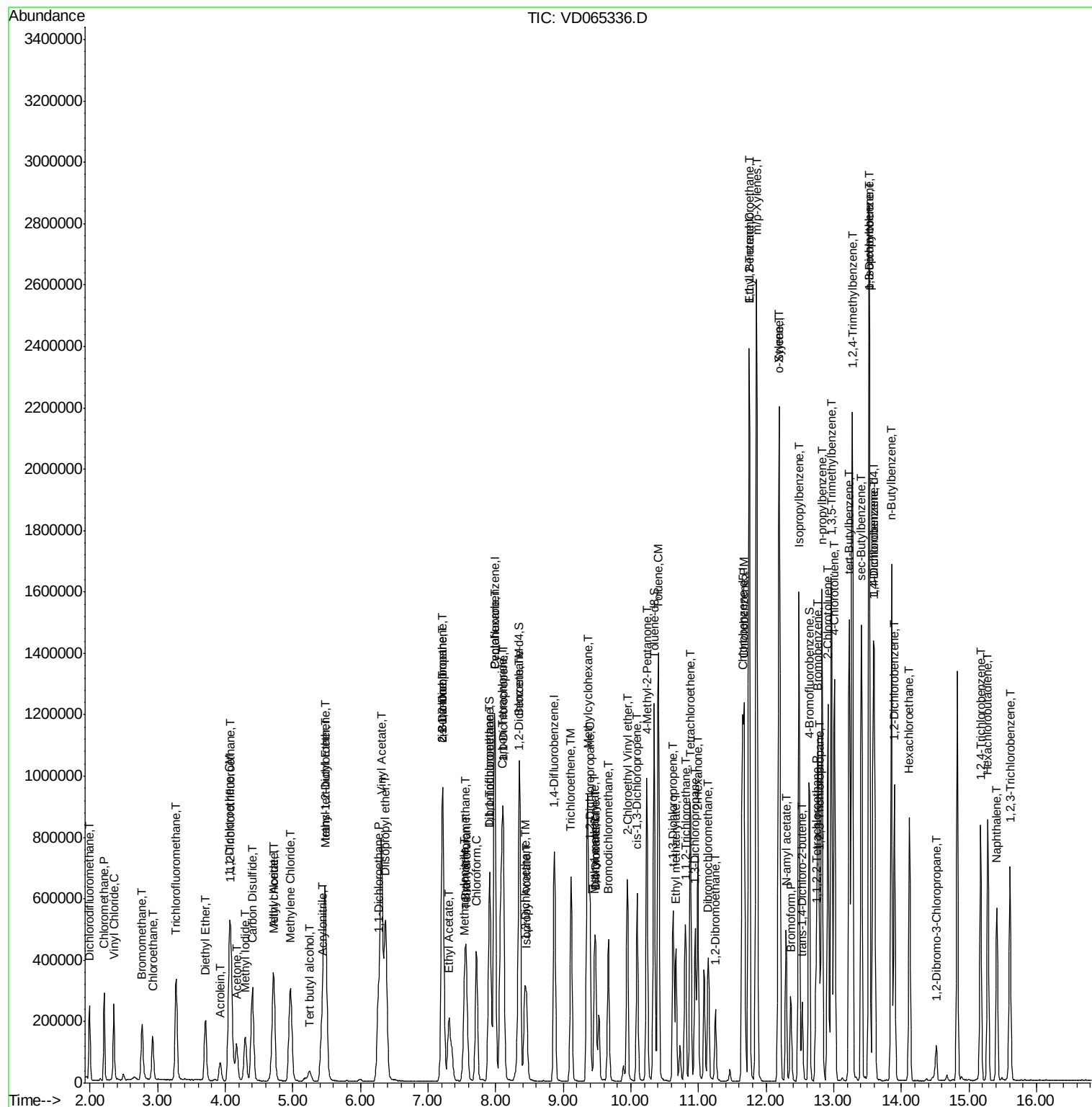
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD022620\
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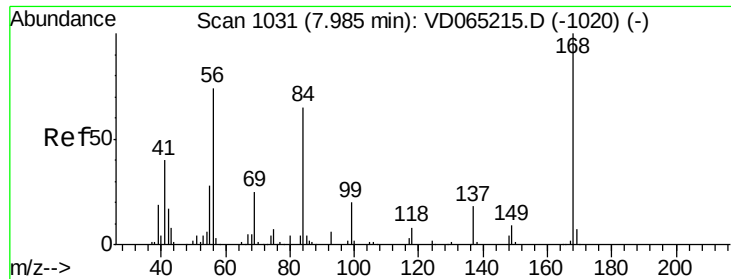
Instrument :
MSVOA_D
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:168 Resp: 457079

Ion Ratio Lower Upper

168 100

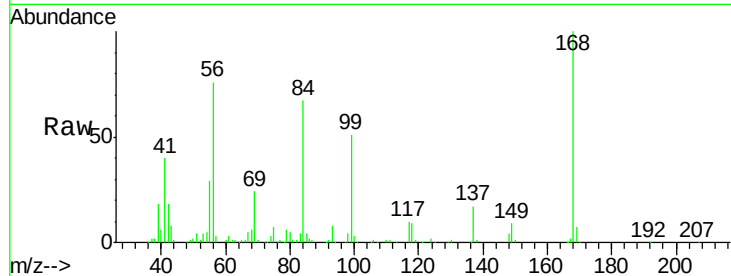
99 50.8 41.4 62.2

Manual Integrations

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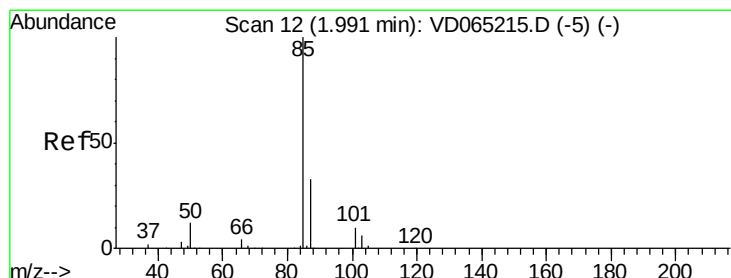
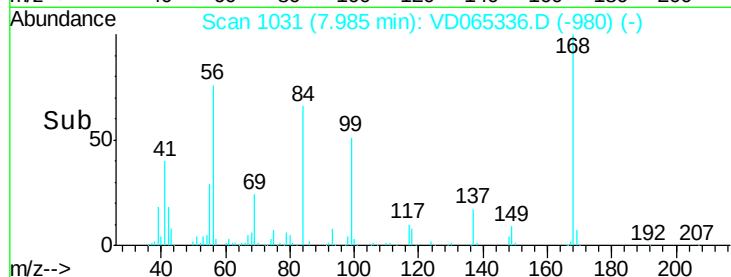
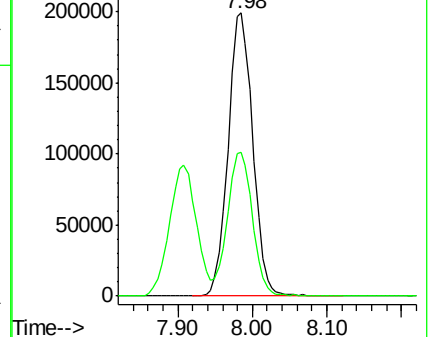
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2/27/2020 11:39:26 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 48.841 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065336.D

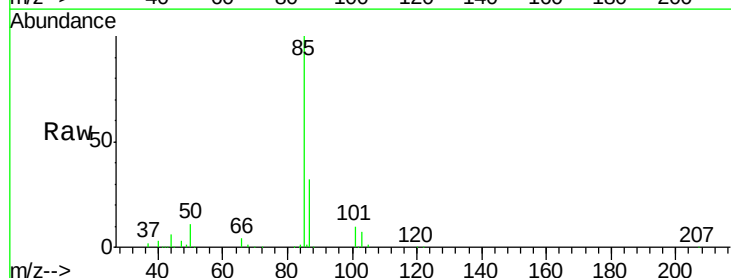
Acq: 26 Feb 2020 19:06

Tgt Ion: 85 Resp: 187243

Ion Ratio Lower Upper

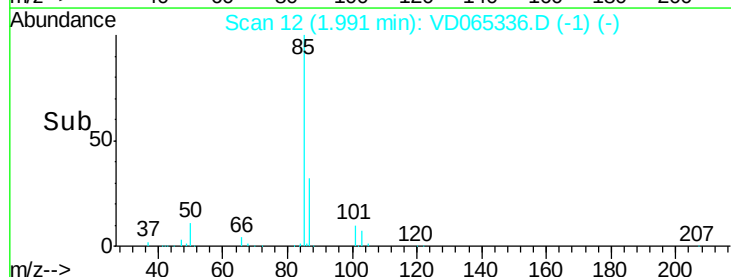
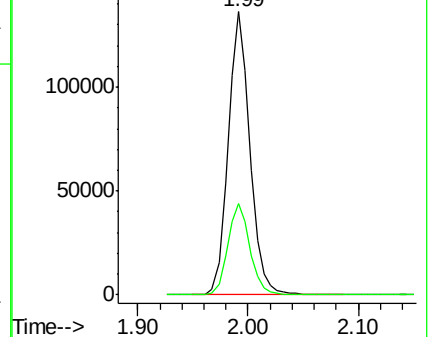
85 100

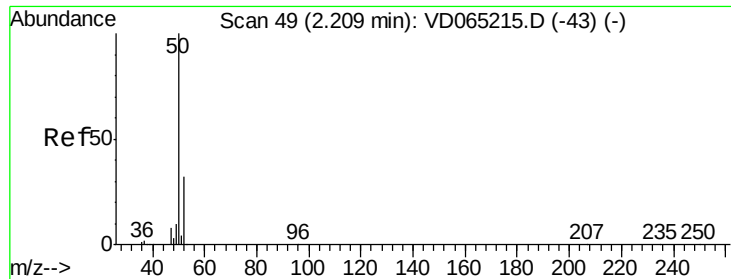
87 32.3 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.772 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 50 Resp: 223350

Ion Ratio Lower Upper

50 100

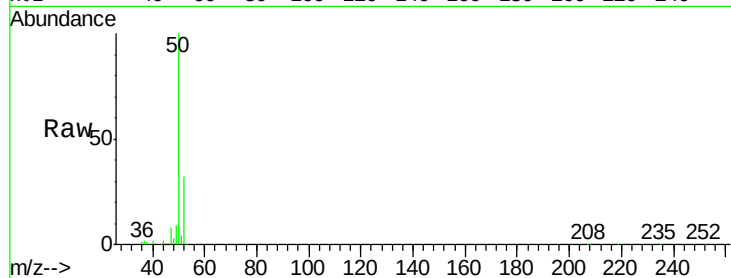
52 31.9 25.5 38.3

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

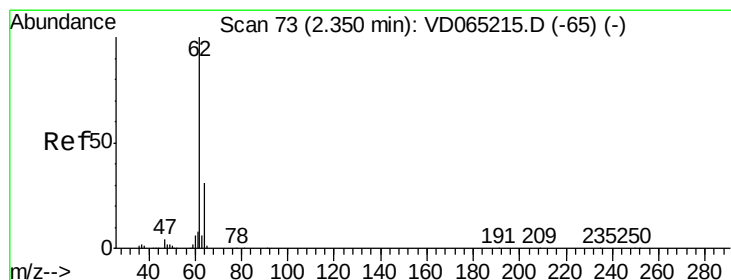
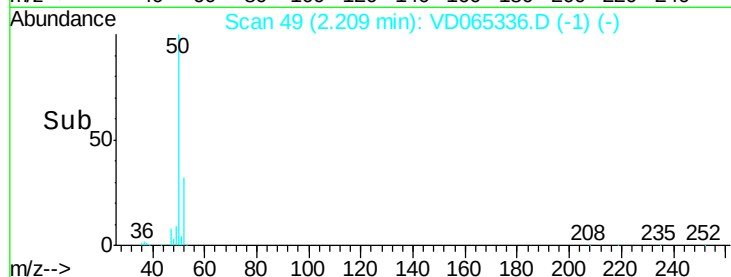
150000

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 44.399 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD065336.D

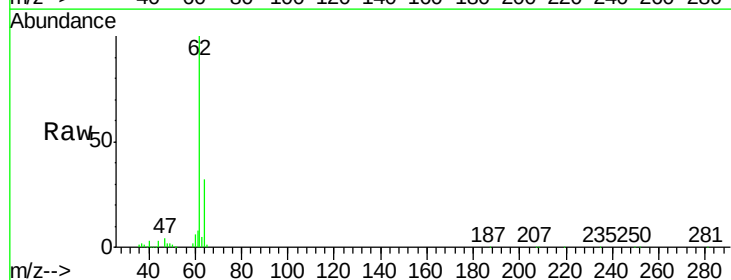
Acq: 26 Feb 2020 19:06

Tgt Ion: 62 Resp: 220304

Ion Ratio Lower Upper

62 100

64 31.9 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

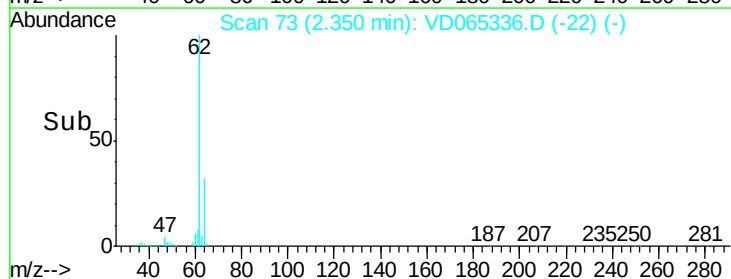
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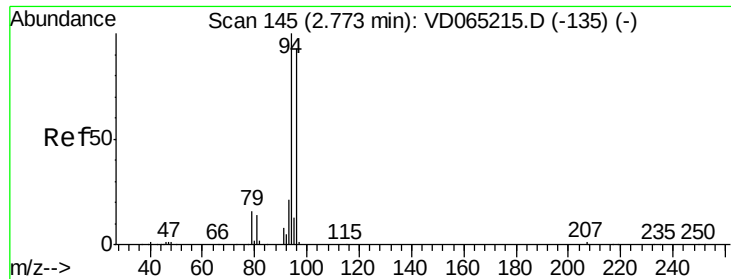
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50000

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Time-->





#5

Bromomethane

Concen: 46.882 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 94 Resp: 140649

Ion Ratio Lower Upper

94 100

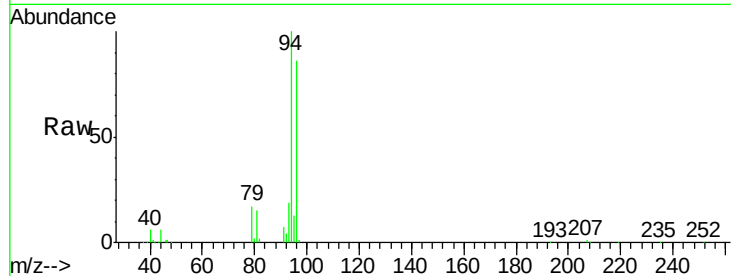
96 86.0 74.2 111.4

Manual Integrations

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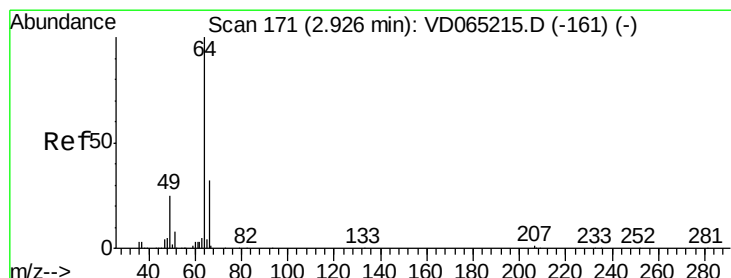
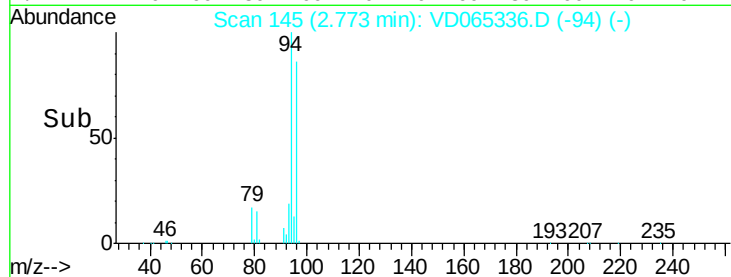
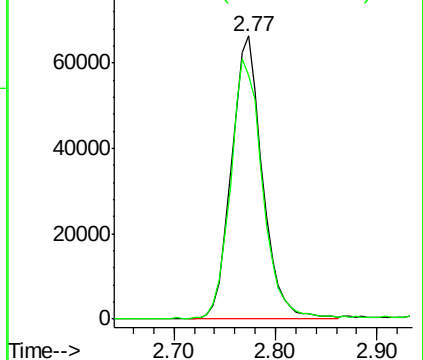
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 46.017 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065336.D

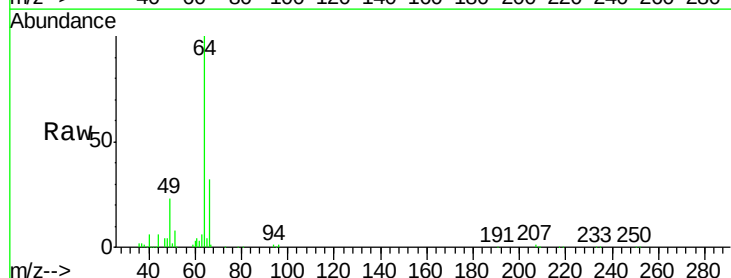
Acq: 26 Feb 2020 19:06

Tgt Ion: 64 Resp: 139375

Ion Ratio Lower Upper

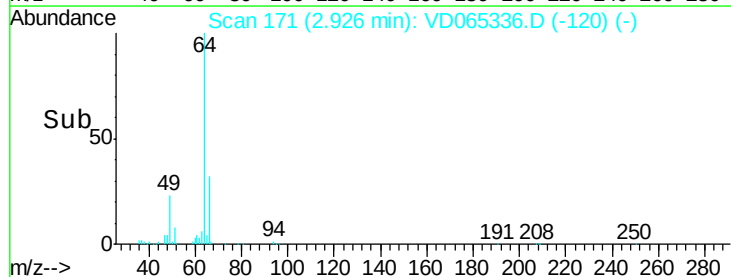
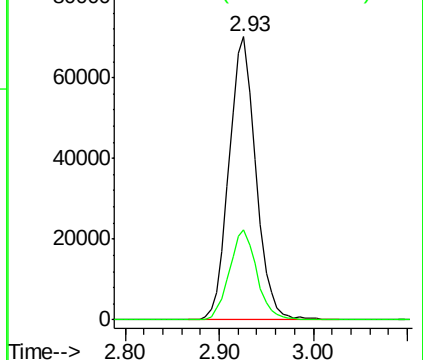
64 100

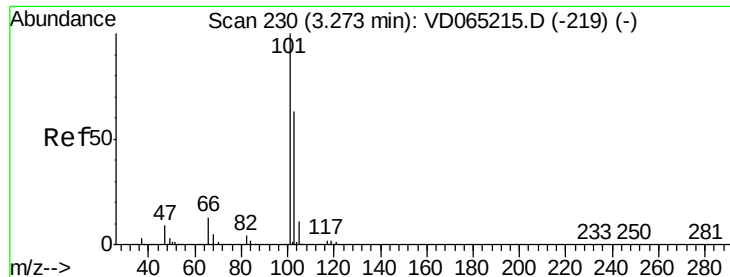
66 31.6 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

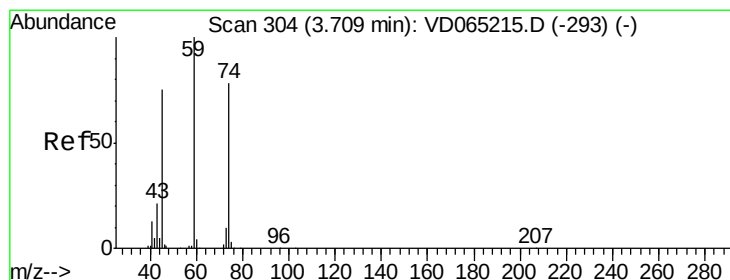
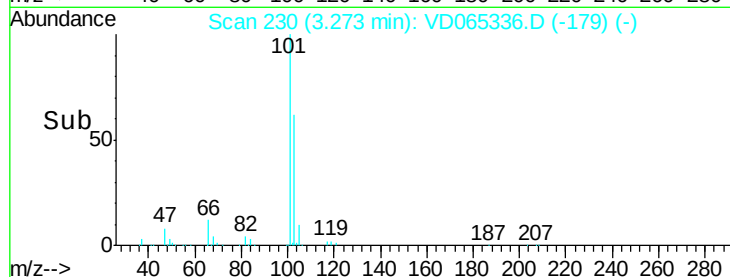
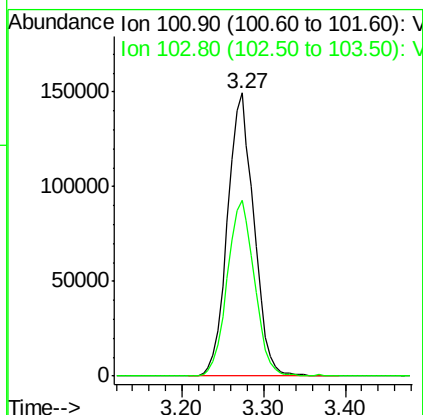
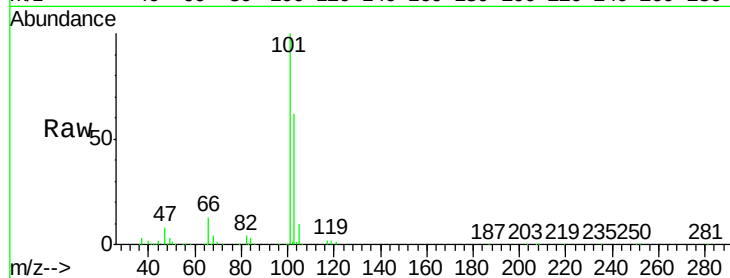
Trichlorofluoromethane
Concen: 47.236 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	50.7	76.1

Manual Integrations
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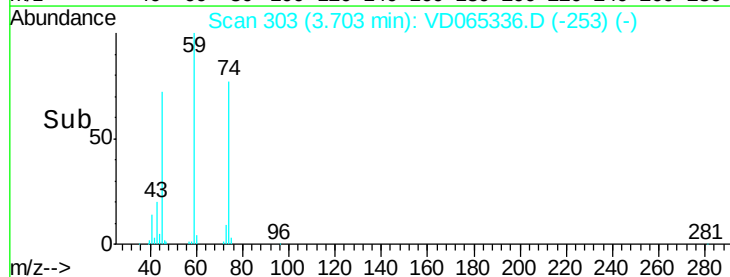
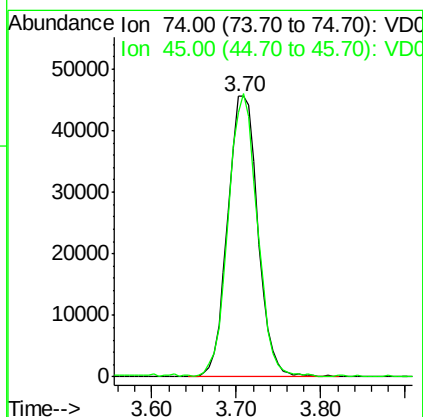
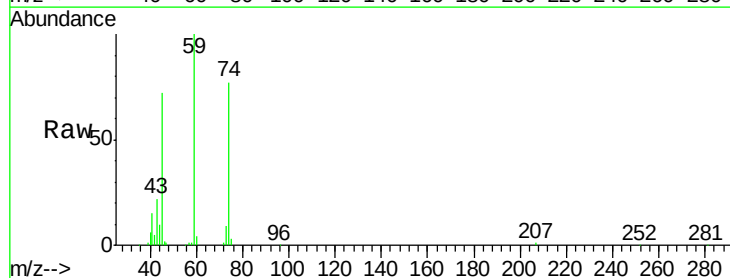
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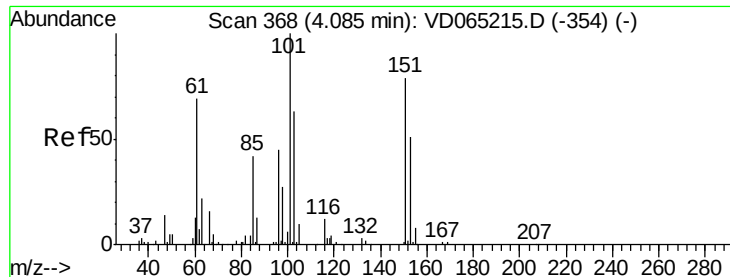


#8

Diethyl Ether
Concen: 52.214 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.019 ug/l

RT: 4.09 min Scan# 368

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

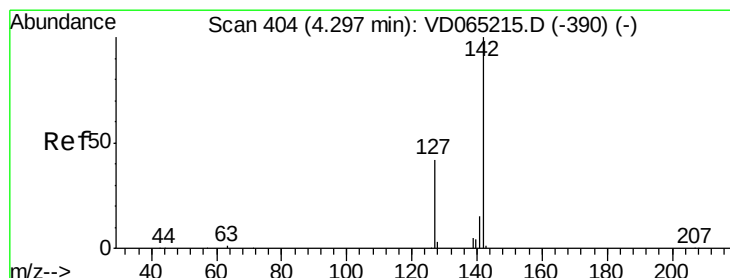
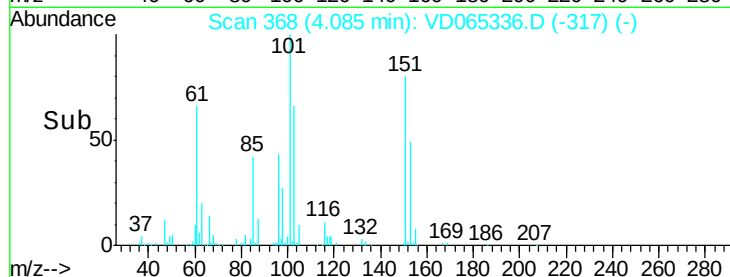
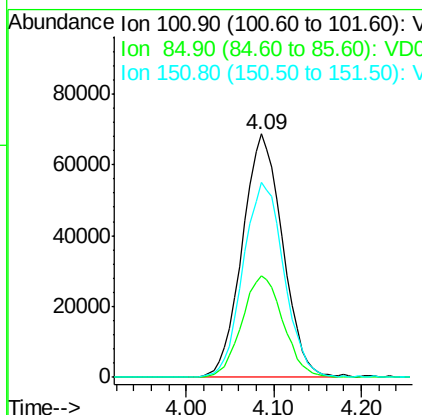
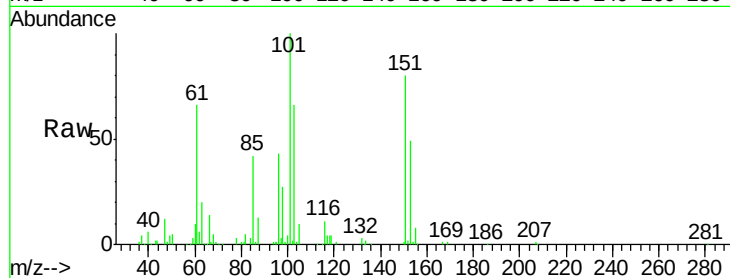
ClientSampleId :

VSTDCCC050EC

Tot Ion:	101	Resp:	215421
Ion Ratio	Lower	Upper	
101	100		
85	42.6	34.2	51.2
151	81.4	63.5	95.3

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#10

Methyl Iodide

Concen: 52.225 ug/l

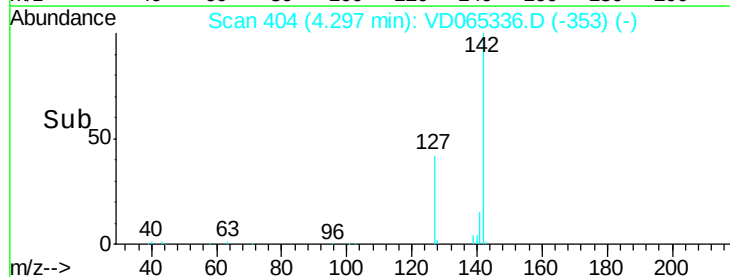
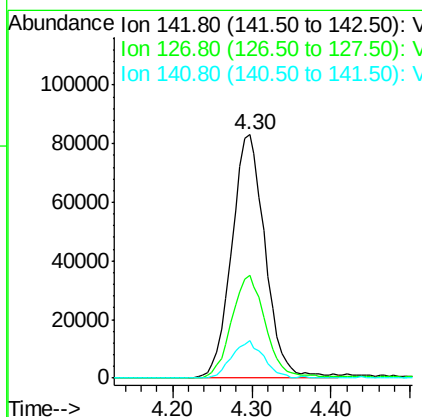
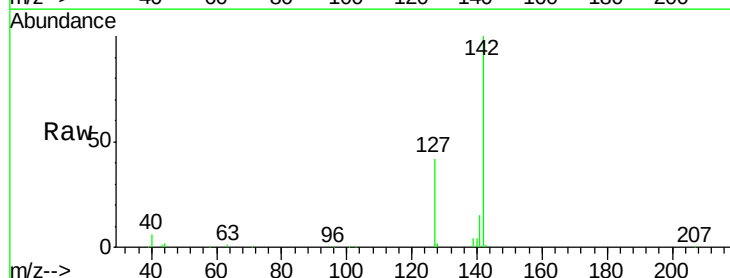
RT: 4.30 min Scan# 404

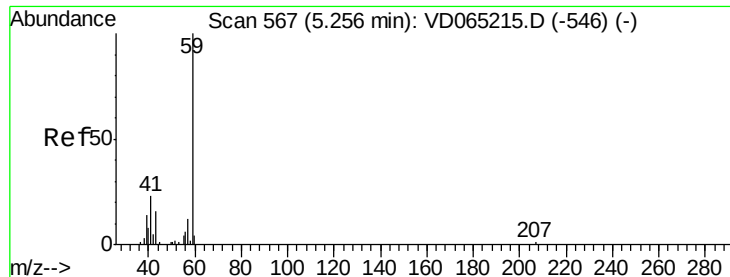
Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Tgt Ion:	142	Resp:	243258
Ion Ratio	Lower	Upper	
142	100		
127	42.7	33.8	50.8
141	14.7	11.7	17.5





#11

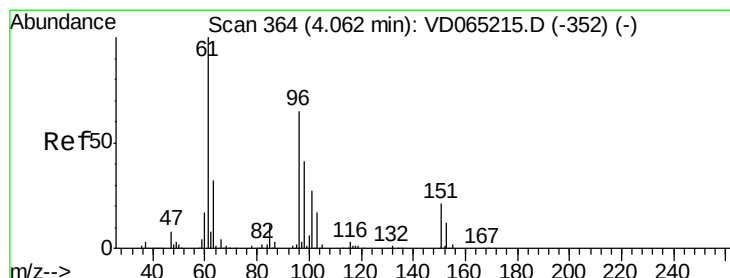
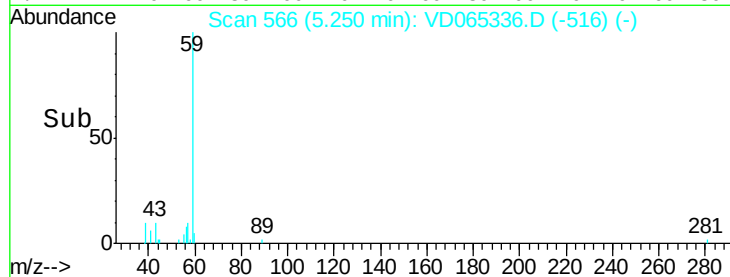
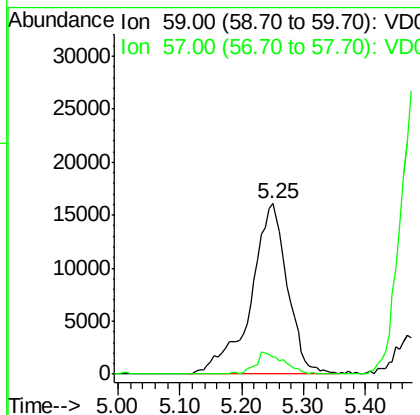
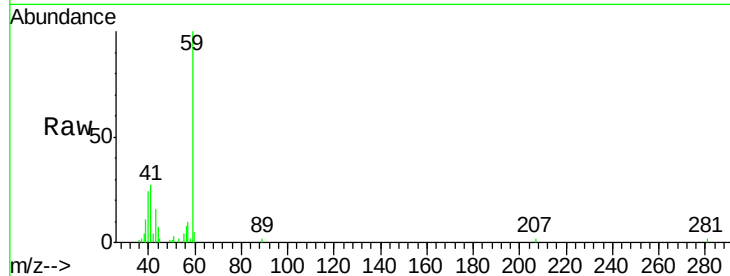
Tert butyl alcohol
 Concen: 269.616 ug/l
 RT: 5.25 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.7	8.4	12.6

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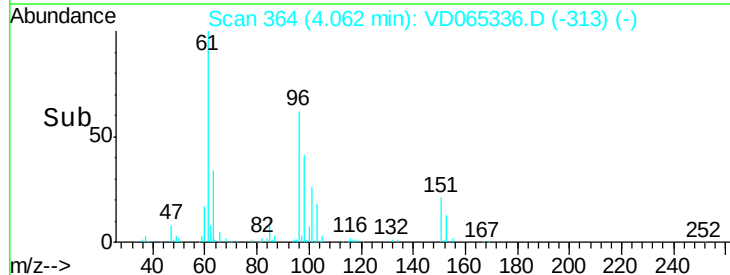
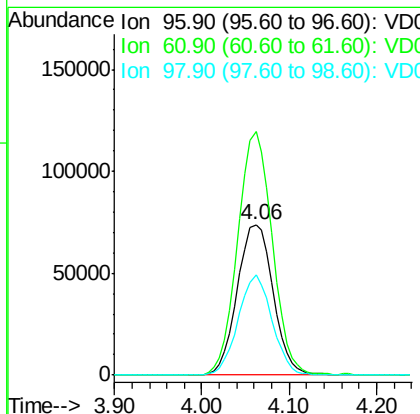
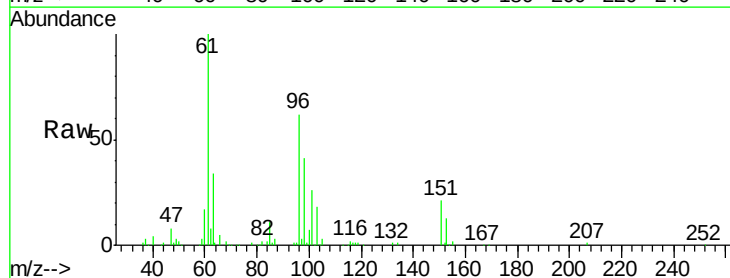
MMDadoda
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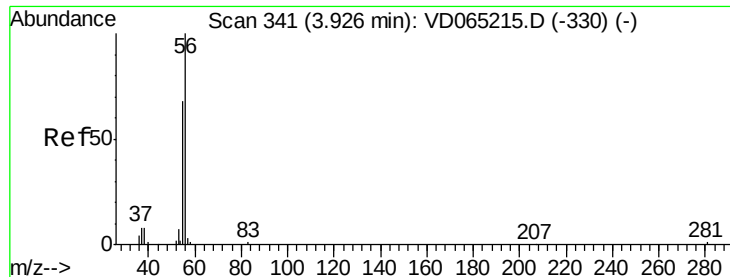


#12

1,1-Dichloroethene
 Concen: 48.651 ug/l
 RT: 4.06 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.9	123.3	184.9
98	66.5	51.0	76.4





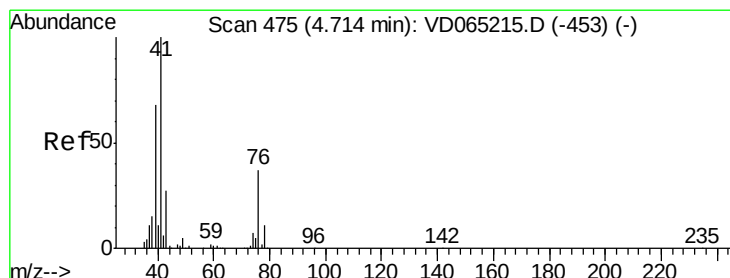
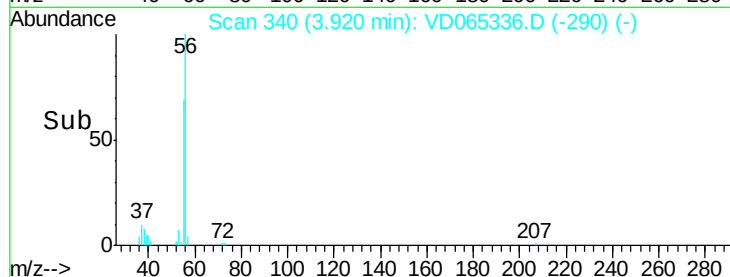
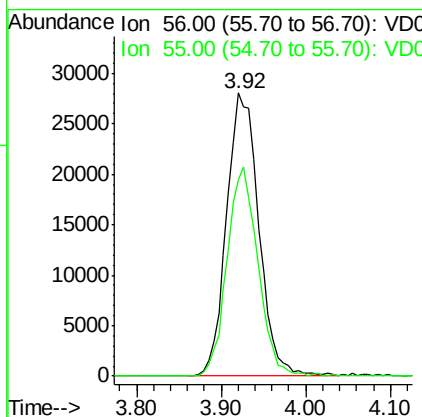
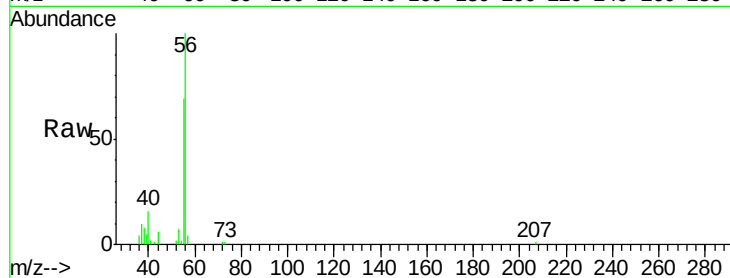
#13
Acrolein
Concen: 245.229 ug/l
RT: 3.92 min Scan# 340
Delta R.T. -0.01 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	56	Resp	73977
Ion Ratio	100	Lower	Upper
55	70.3	56.6	85.0

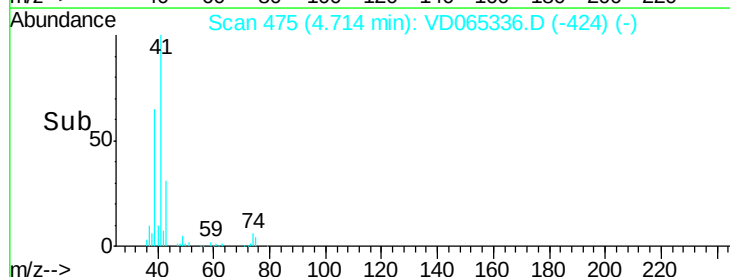
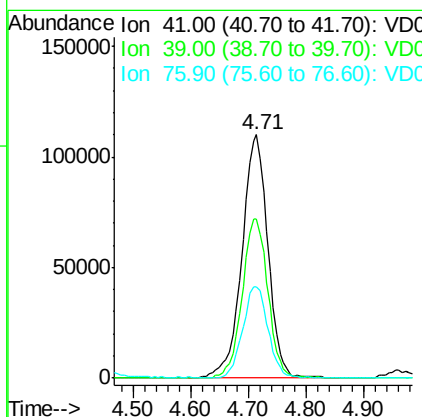
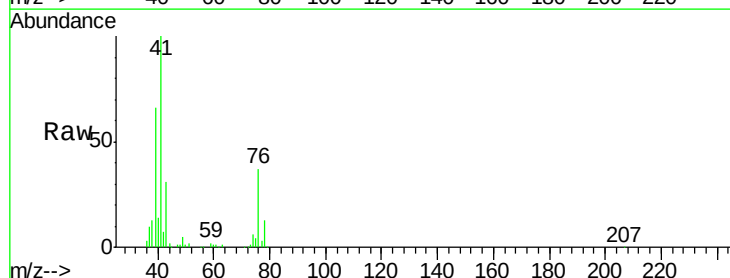
Manual Integrations
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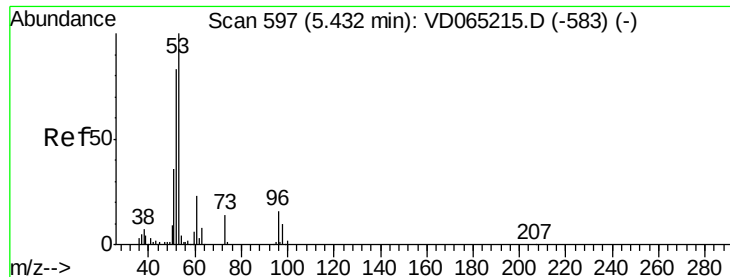
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#14
Allyl chloride
Concen: 50.056 ug/l
RT: 4.71 min Scan# 475
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	41	Resp	344474
Ion Ratio	100	Lower	Upper
39	64.7	53.8	80.6
76	35.8	28.7	43.1





#15

Acrylonitrile

Concen: 261.227 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

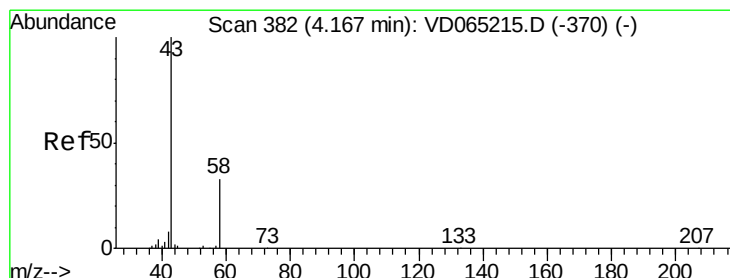
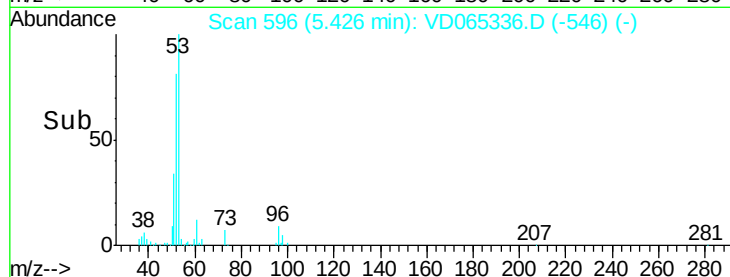
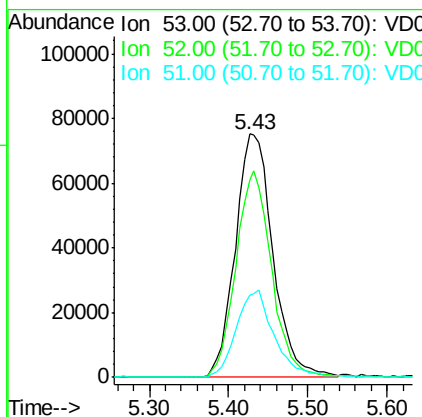
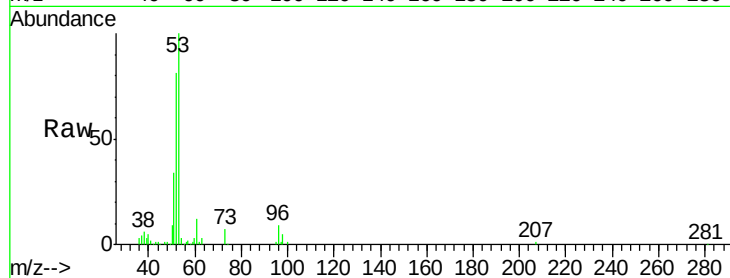
ClientSampleId :

VSTDCCC050EC

Tot Ion:	53	Resp:	248001
Ion Ratio	Lower	Upper	
53	100		
52	80.6	65.4	98.2
51	35.9	29.5	44.3

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#16

Acetone

Concen: 196.837 ug/l

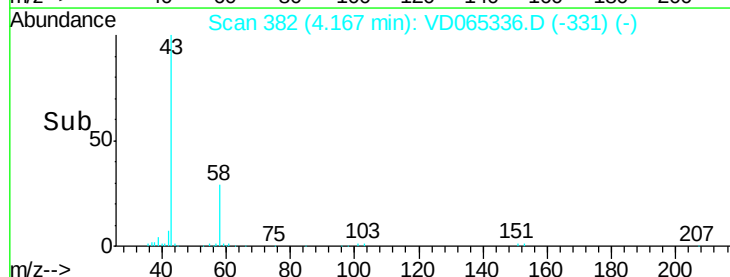
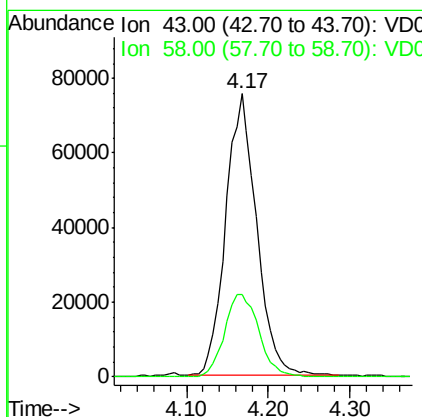
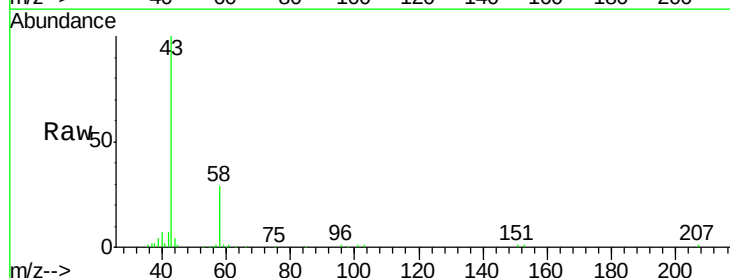
RT: 4.17 min Scan# 382

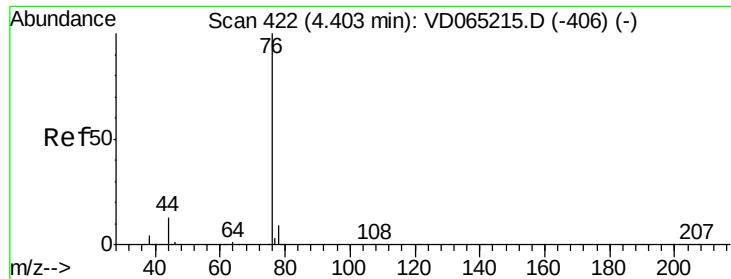
Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Tgt Ion:	43	Resp:	197852
Ion Ratio	Lower	Upper	
43	100		
58	29.4	26.2	39.2





#17

Carbon Disulfide

Concen: 46.086 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 76 Resp: 654784

Ion Ratio Lower Upper

76 100

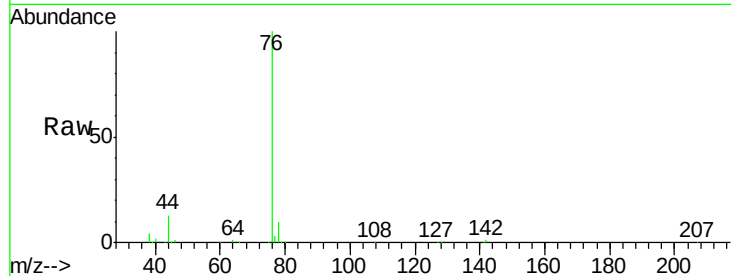
78 9.9 7.0 10.6

Manual Integrations

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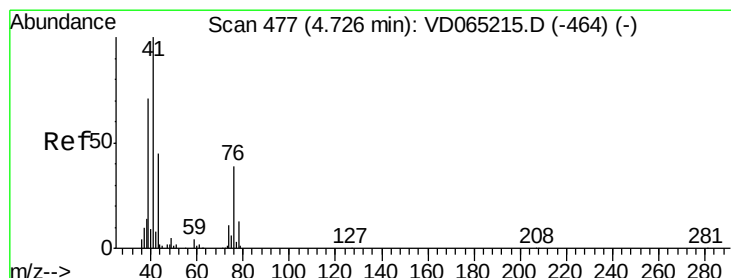
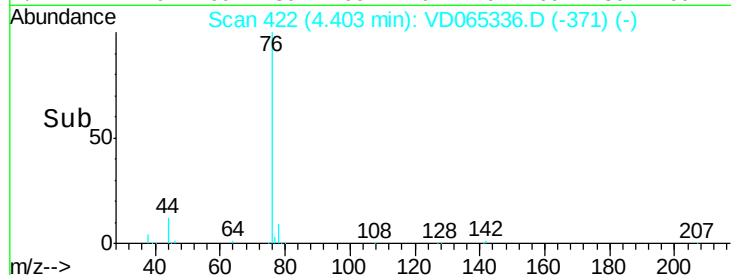
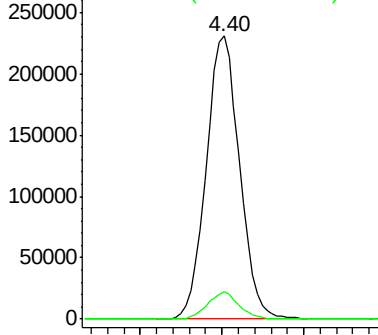
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 51.041 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065336.D

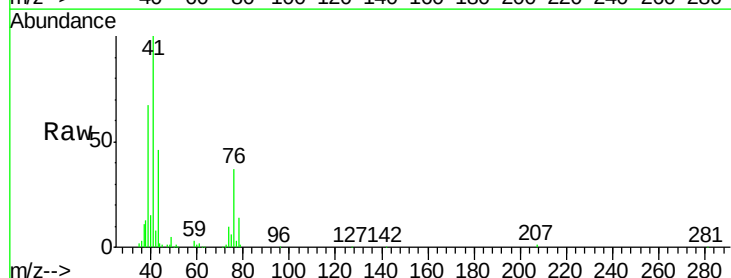
Acq: 26 Feb 2020 19:06

Tgt Ion: 43 Resp: 115388

Ion Ratio Lower Upper

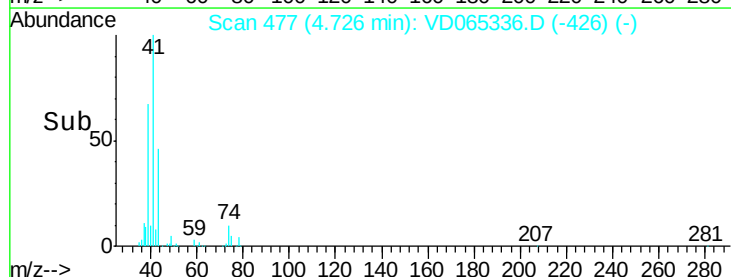
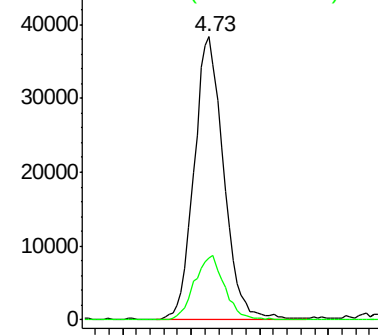
43 100

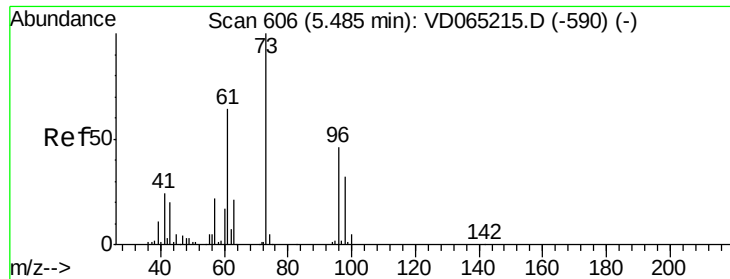
74 22.7 19.4 29.2



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC





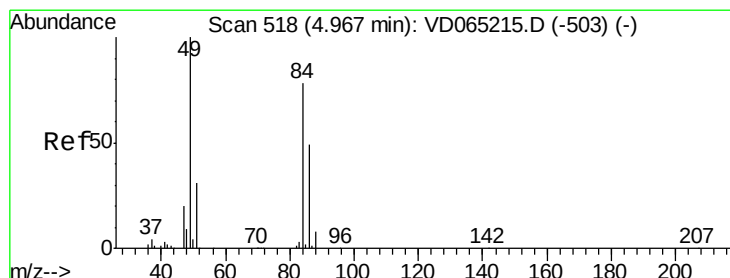
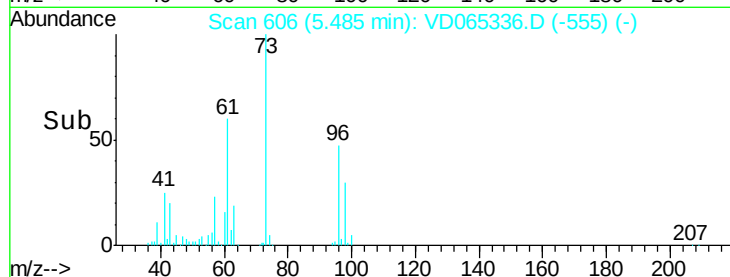
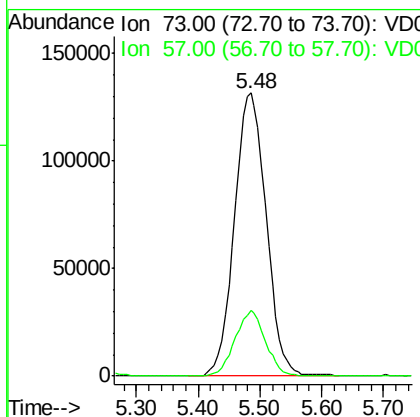
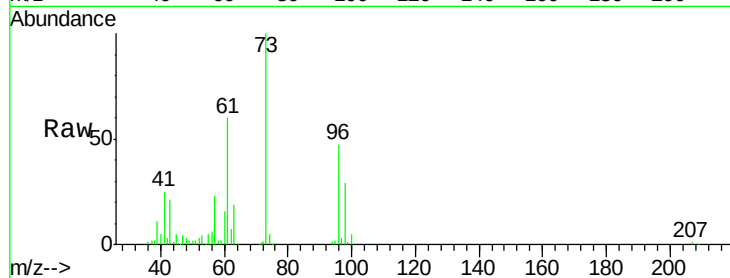
#19
Methyl tert-butyl Ether
Concen: 53.285 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 73 Resp: 470891
Ion Ratio Lower Upper
73 100
57 23.3 17.3 25.9

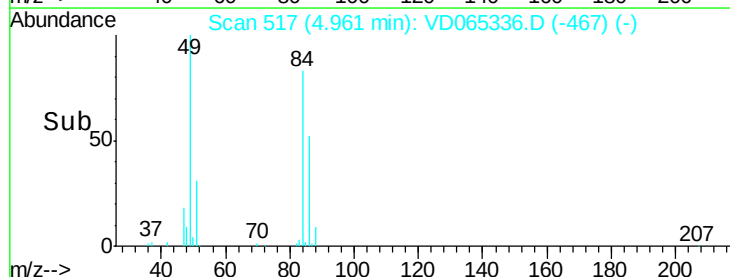
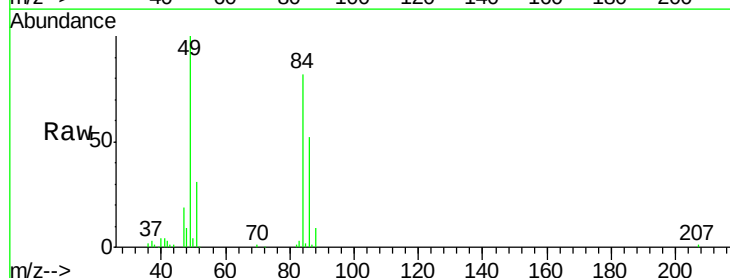
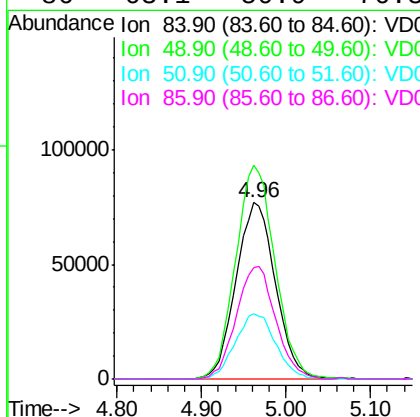
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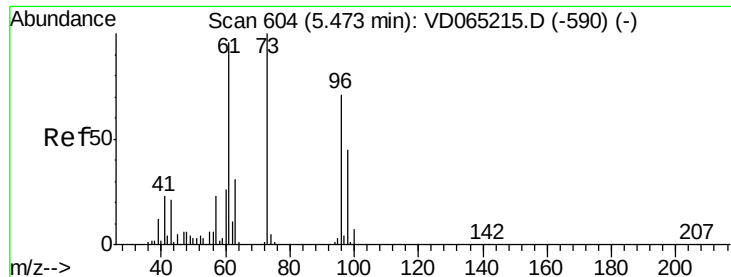
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#20
Methylene Chloride
Concen: 56.337 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion: 84 Resp: 249480
Ion Ratio Lower Upper
84 100
49 121.1 103.1 154.7
51 37.4 31.7 47.5
86 63.1 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.122 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

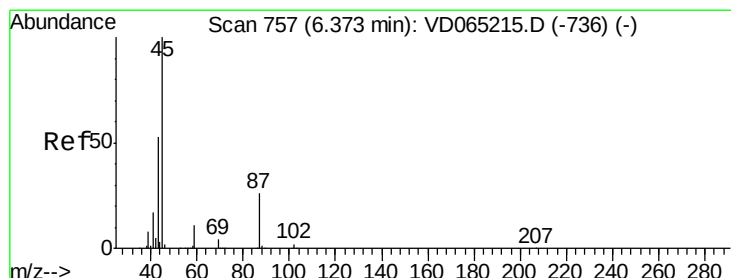
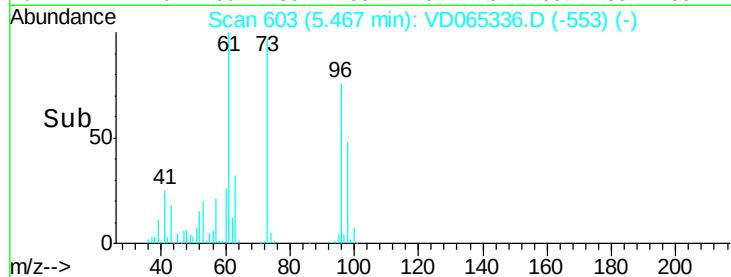
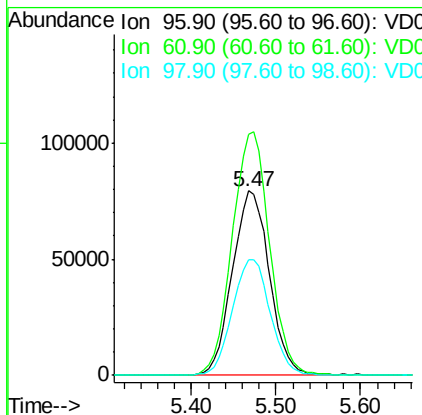
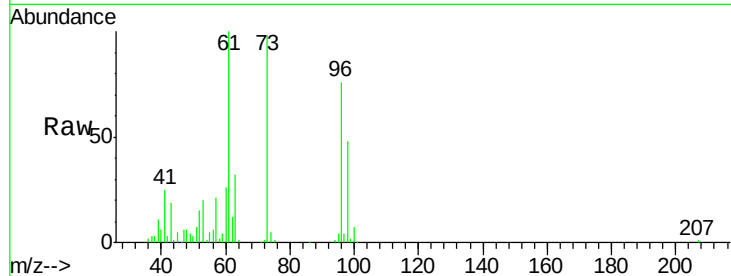
ClientSampleId :

VSTDCCC050EC

Tot Ion:	96	Resp:	241471
Ion	Ratio	Lower	Upper
96	100		
61	130.6	108.3	162.5
98	62.6	50.7	76.1

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#22

Diisopropyl ether

Concen: 53.046 ug/l

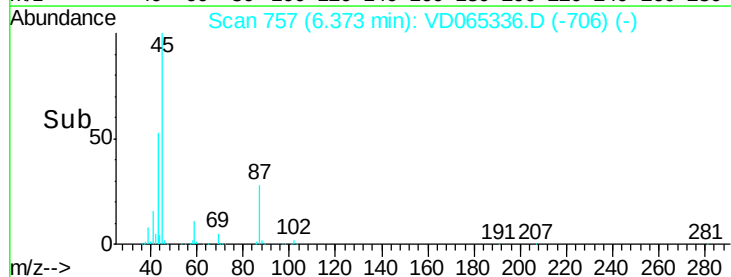
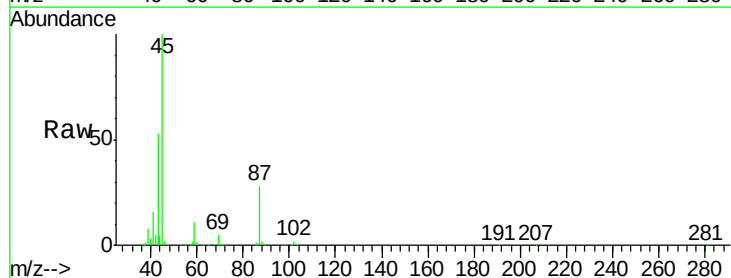
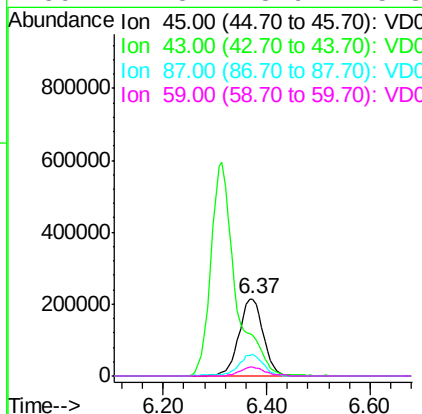
RT: 6.37 min Scan# 757

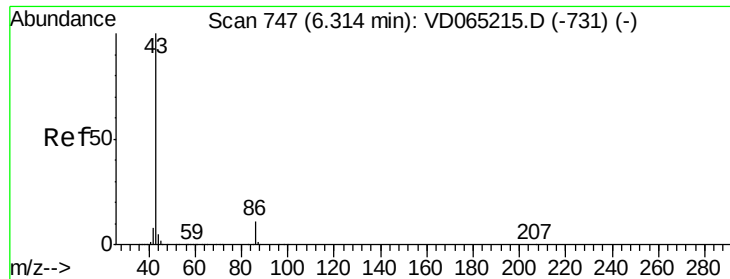
Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Tgt Ion:	45	Resp:	703734
Ion	Ratio	Lower	Upper
45	100		
43	52.4	42.6	64.0
87	27.5	21.2	31.8
59	11.3	8.9	13.3





#23

Vinyl Acetate

Concen: 269.042 ug/l

RT: 6.31 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 1967723

Ion Ratio Lower Upper

43 100

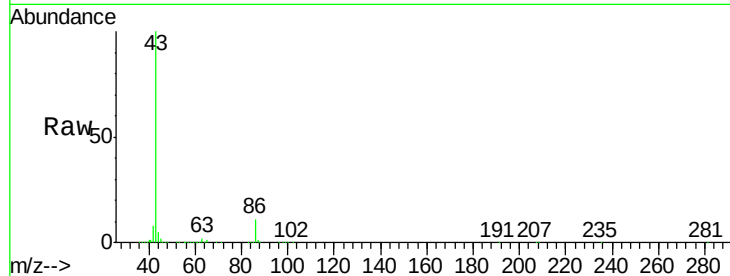
86 10.8 8.6 12.8

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

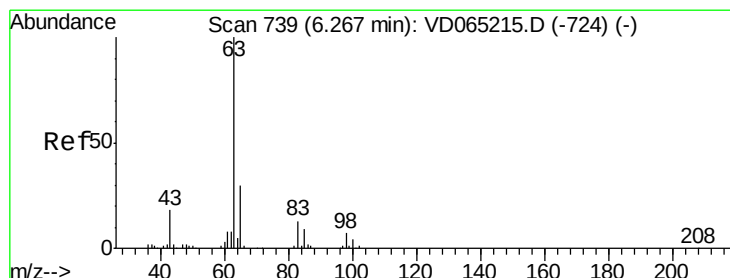
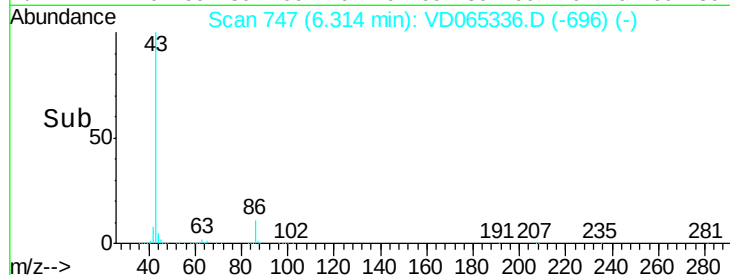
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 50.179 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

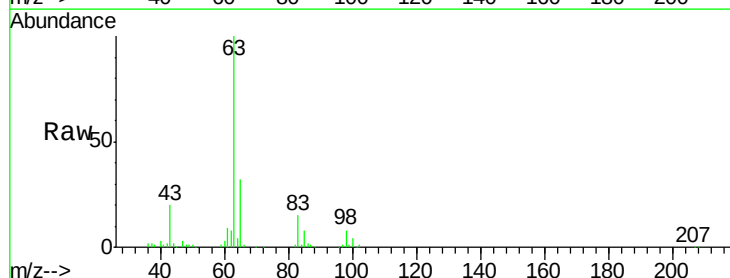
Tgt Ion: 63 Resp: 412910

Ion Ratio Lower Upper

63 100

98 7.7 3.4 10.1

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

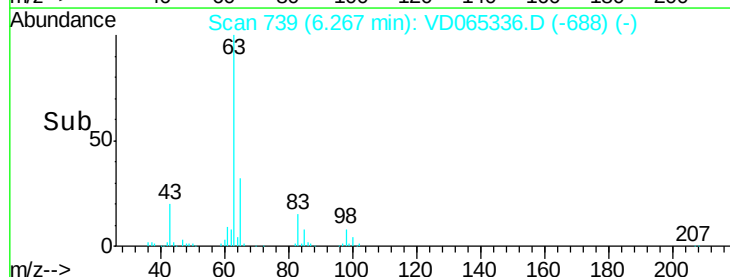
150000

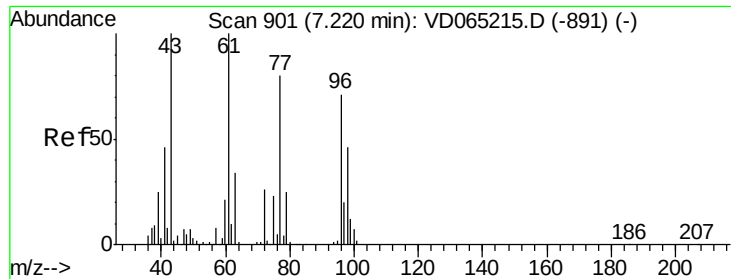
100000

50000

0

Time-->





#25

2-Butanone

Concen: 232.896 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 43 Resp: 296183

Ion Ratio Lower Upper

43 100

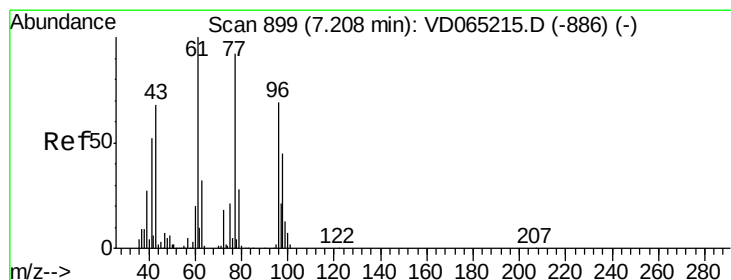
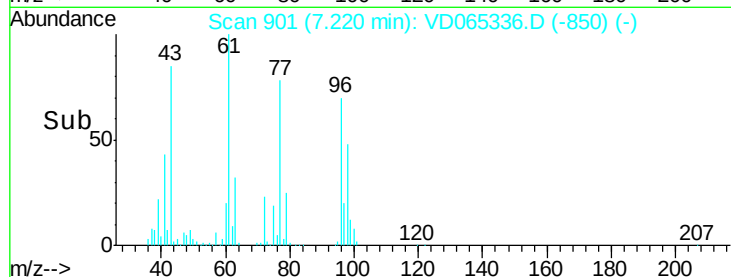
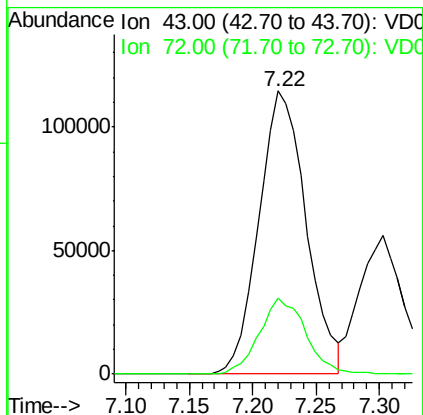
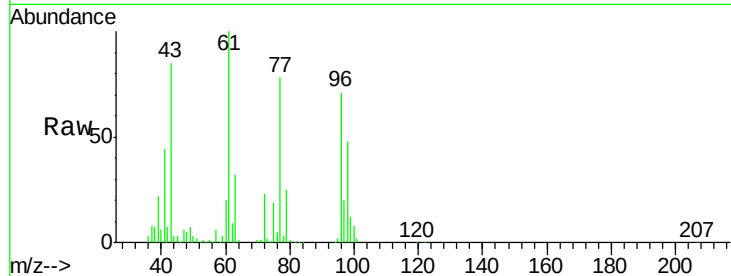
72 27.0 20.9 31.3

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 47.032 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065336.D

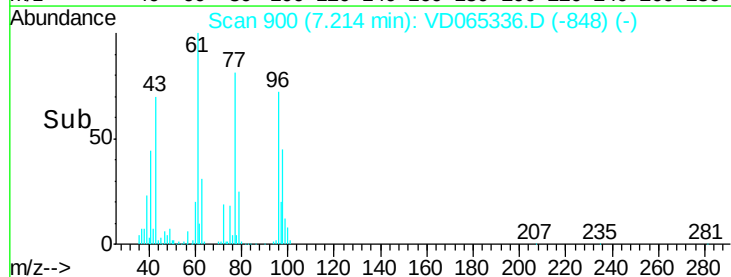
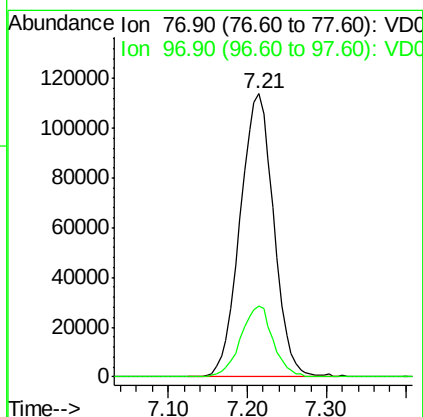
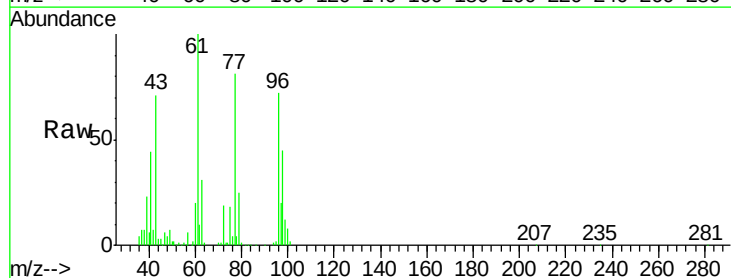
Acq: 26 Feb 2020 19:06

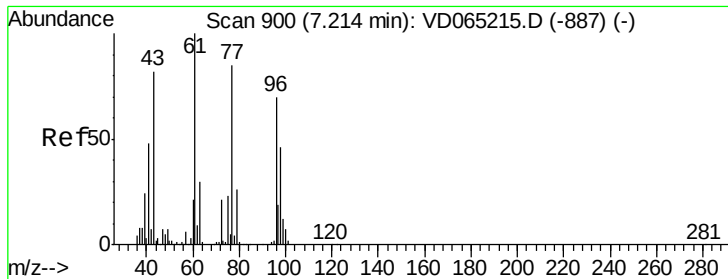
Tgt Ion: 77 Resp: 335789

Ion Ratio Lower Upper

77 100

97 24.0 11.7 35.1





#27

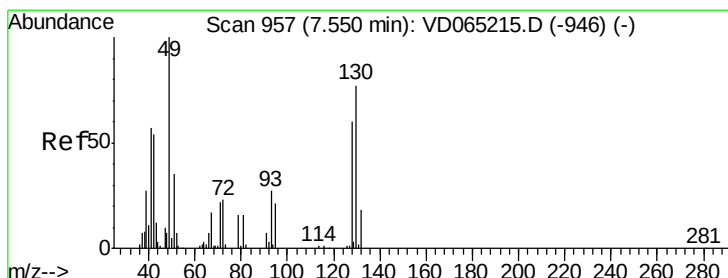
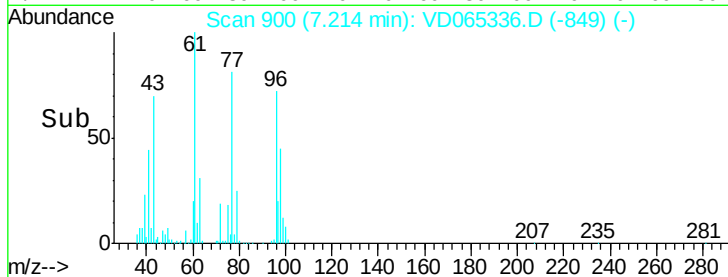
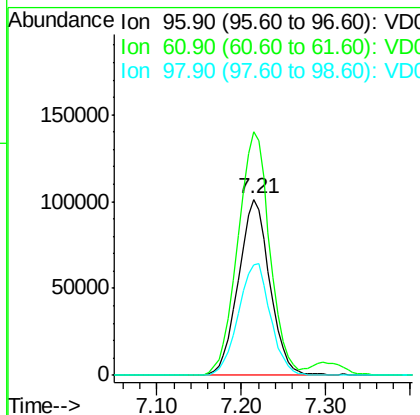
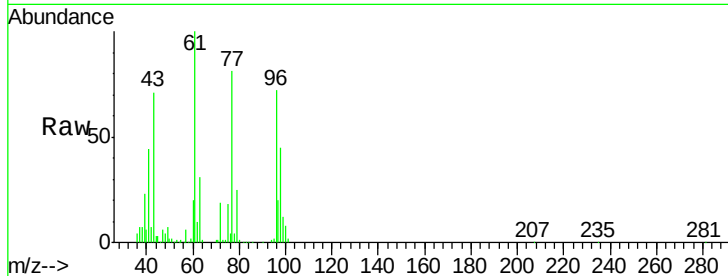
cis-1,2-Dichloroethene
Concen: 51.074 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
96	100	260634		
61	141.1	0.0	286.0	
98	64.9	0.0	127.8	

Manual Integrations
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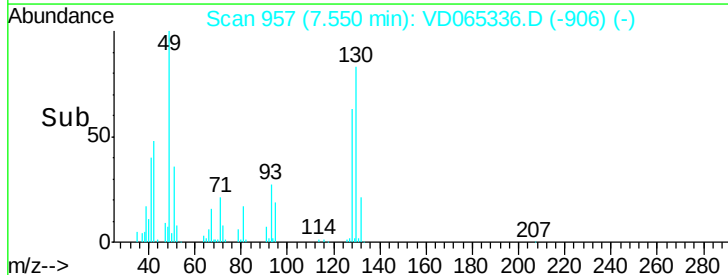
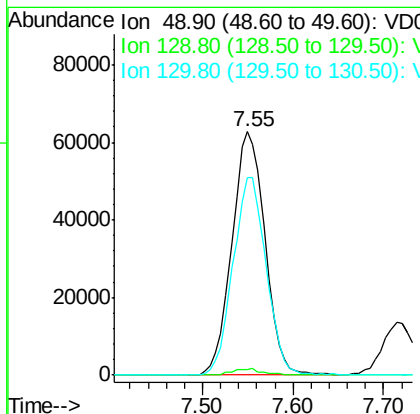
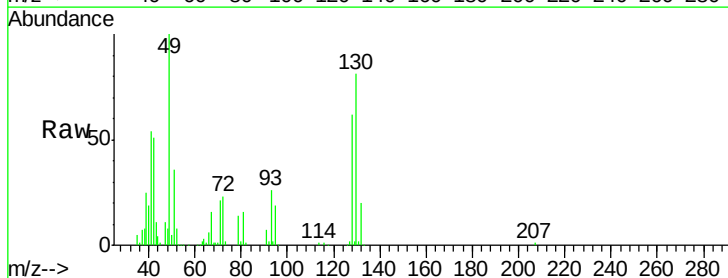
MMDadoda
2/27/2020 11:39:26 AM

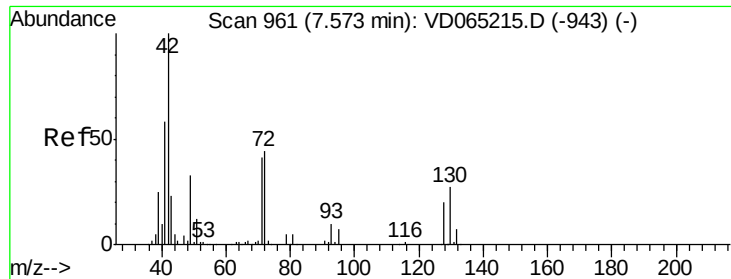


#28

Bromochloromethane
Concen: 52.093 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	159031		
129	2.3	0.0	4.6	
130	81.6	64.7	97.1	





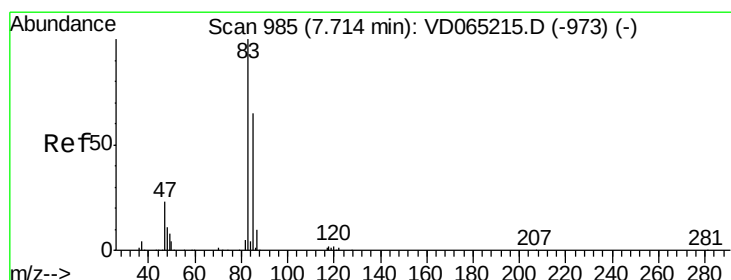
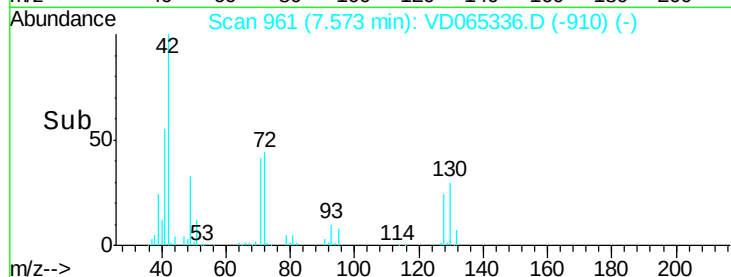
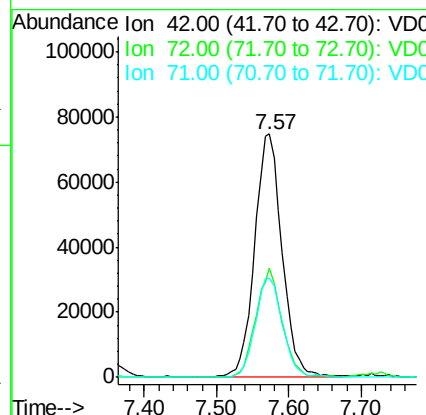
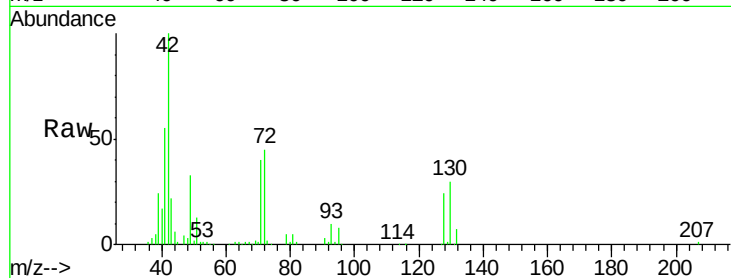
#29
Tetrahydrofuran
Concen: 264.557 ug/l
RT: 7.57 min Scan# 961
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.0	33.7	50.5
71	40.6	31.4	47.2

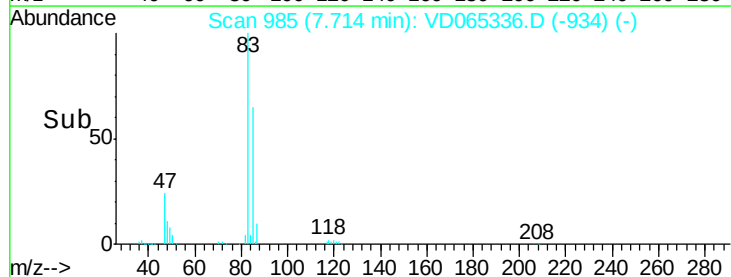
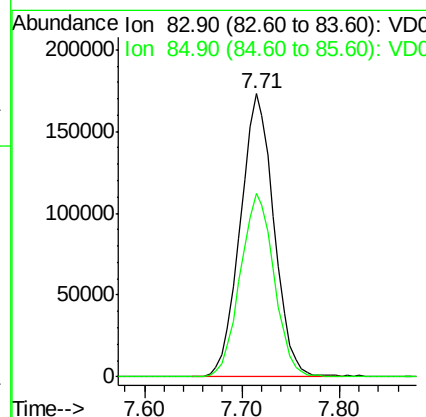
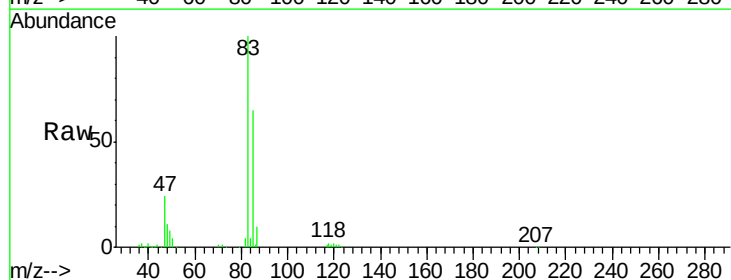
Manual Integrations
APPROVED

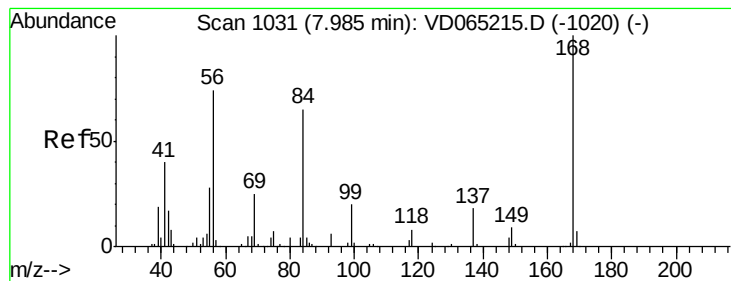
MMDadoda
2/27/2020 11:39:26 AM



#30
Chloroform
Concen: 50.269 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.8	52.3	78.5





#31

Cyclohexane

Concen: 46.503 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 56 Resp: 375979

Ion Ratio Lower Upper

56 100

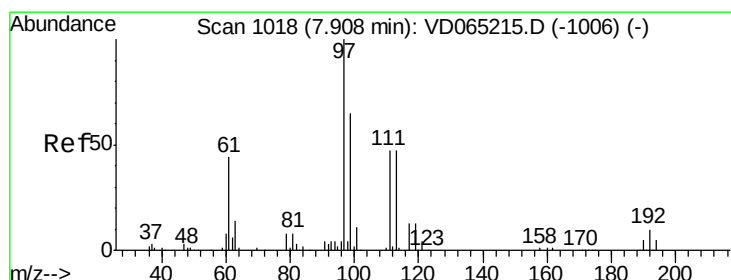
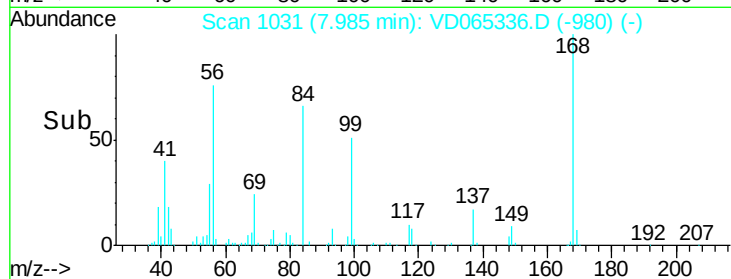
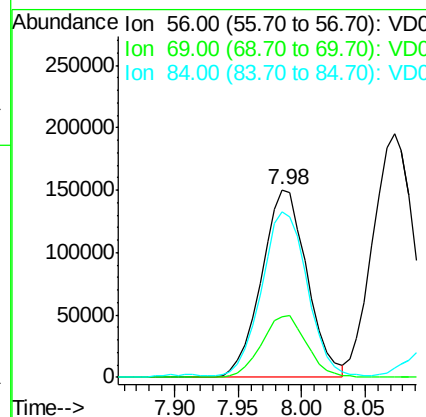
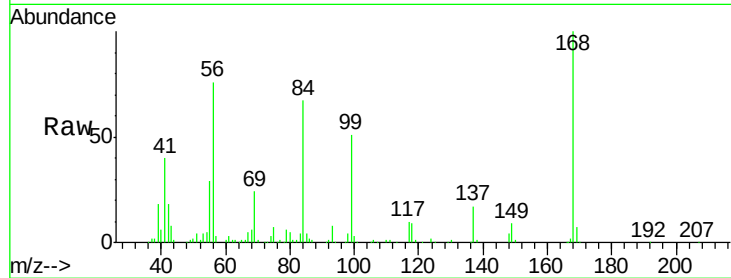
69 32.2 27.4 41.0

84 86.8 71.1 106.7

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 48.937 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

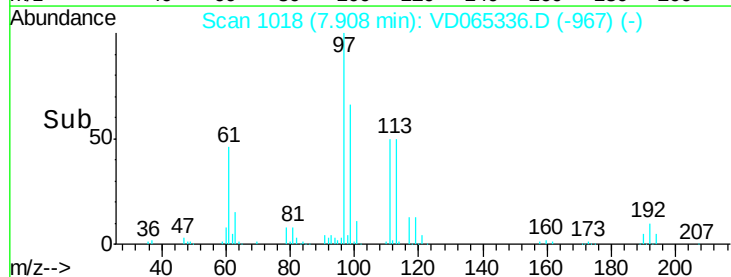
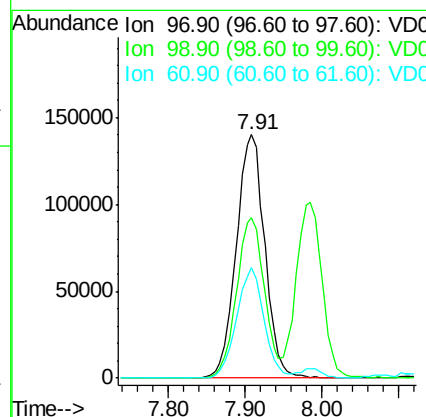
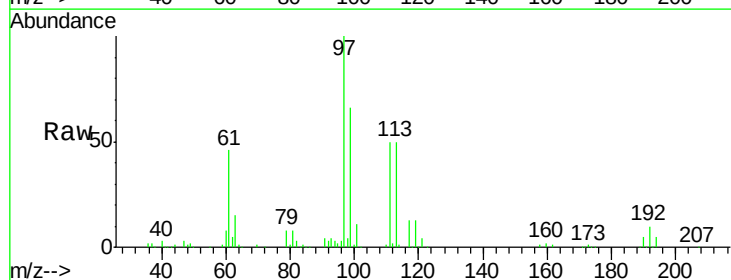
Tgt Ion: 97 Resp: 362986

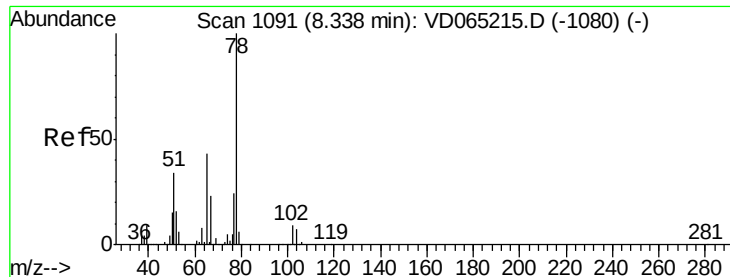
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.2

61 43.4 34.8 52.2





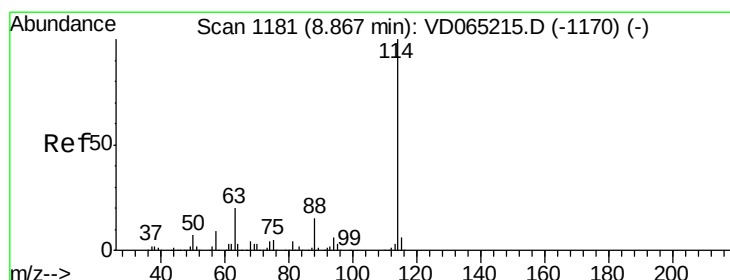
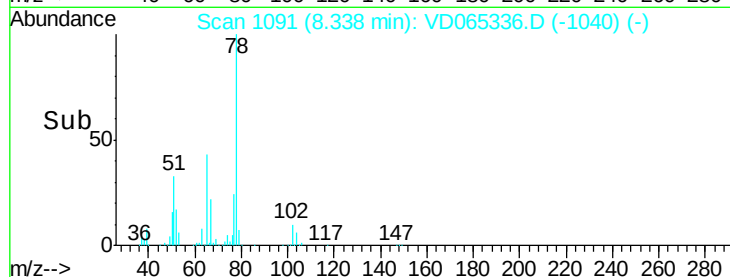
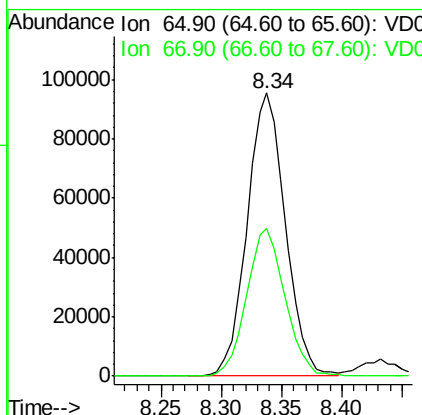
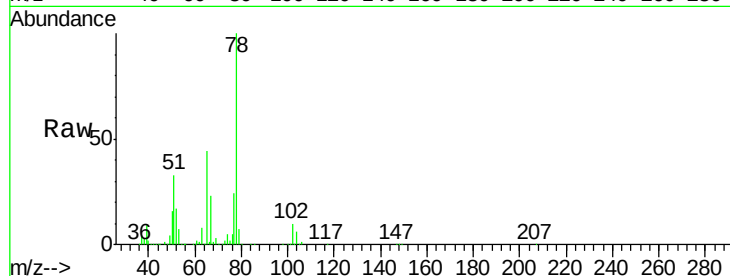
#33
 1,2-Dichloroethane-d4
 Concen: 51.032 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
65	100	209839		
67	52.5	0.0	106.8	

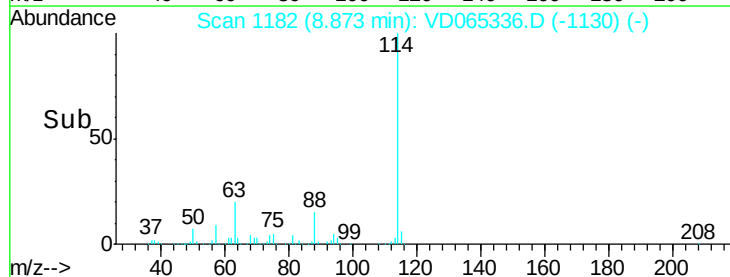
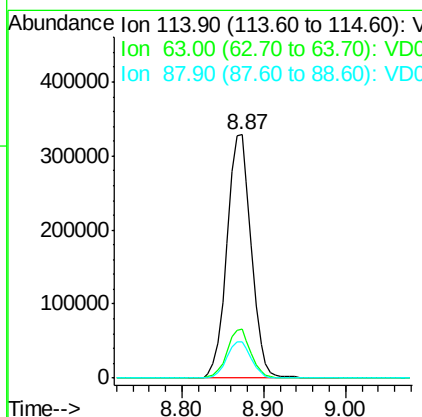
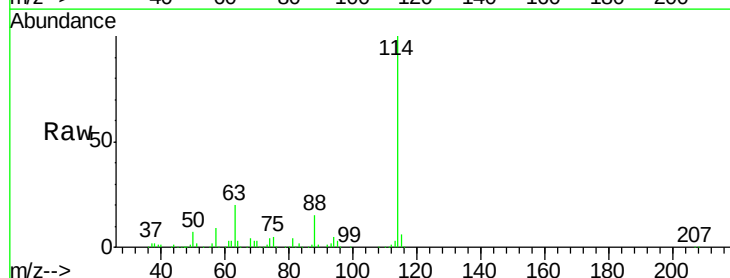
Manual Integrations
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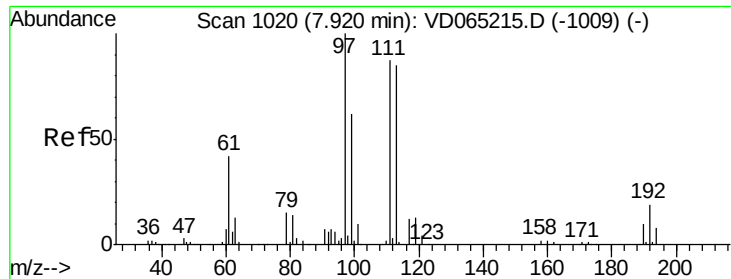
MMDadoda
 2/27/2020 11:39:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	679455		
63	19.9	0.0	39.4	
88	15.0	0.0	30.4	





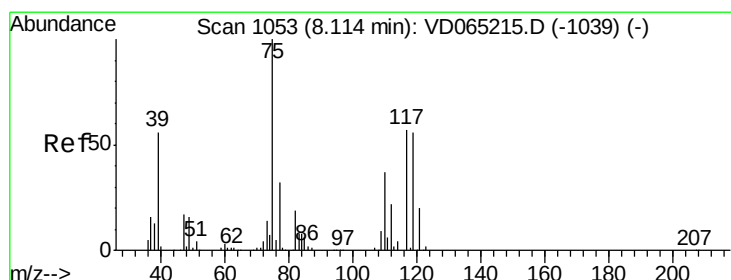
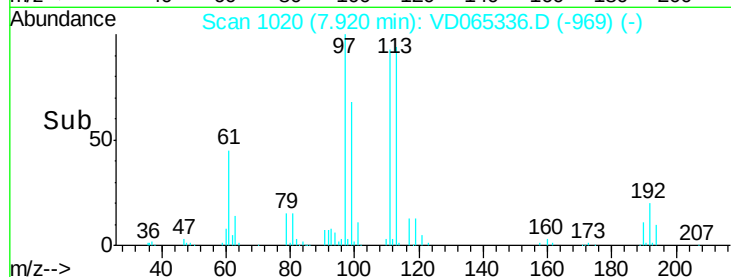
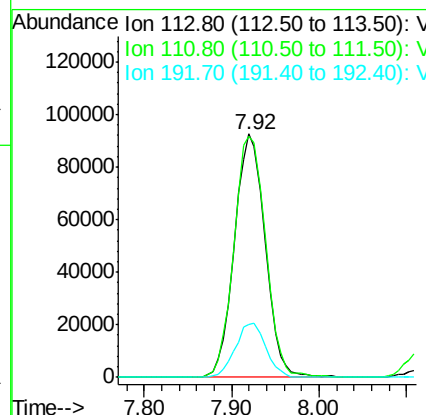
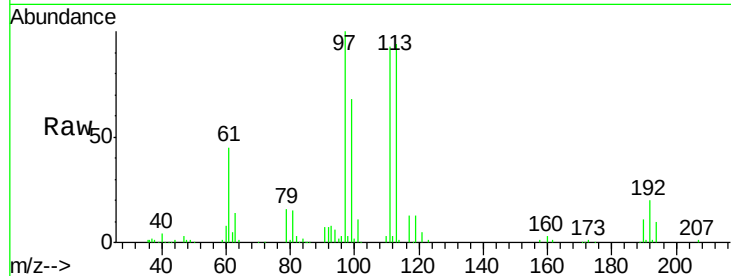
#35
Dibromofluoromethane
Concen: 53.260 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Resp	Lower	Upper
113	100	220650		
111	102.2	82.9	124.3	
192	22.1	17.3	25.9	

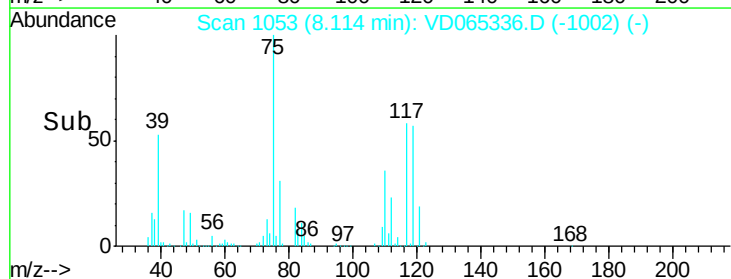
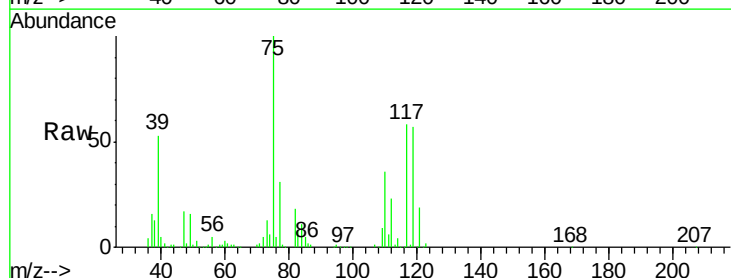
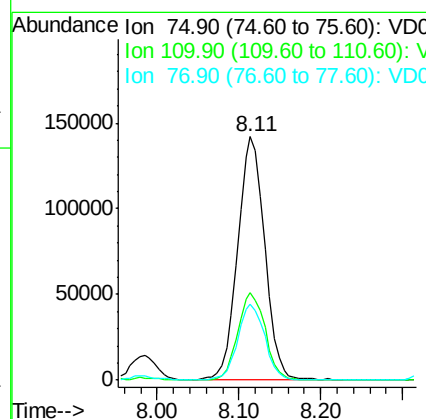
Manual Integrations
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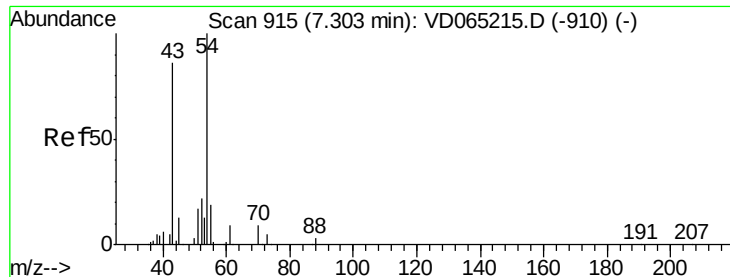
MMDadoda
2/27/2020 11:39:26 AM



#36
1,1-Dichloropropene
Concen: 49.444 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	326883		
110	36.4	17.9	53.7	
77	31.3	25.1	37.7	





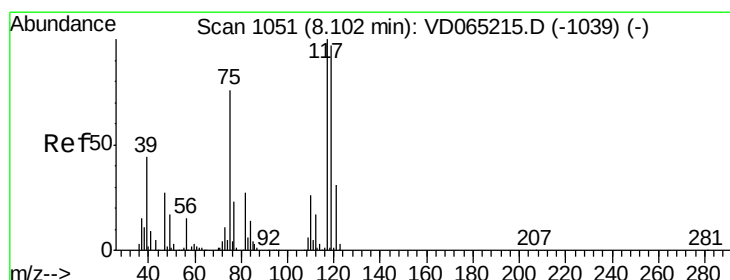
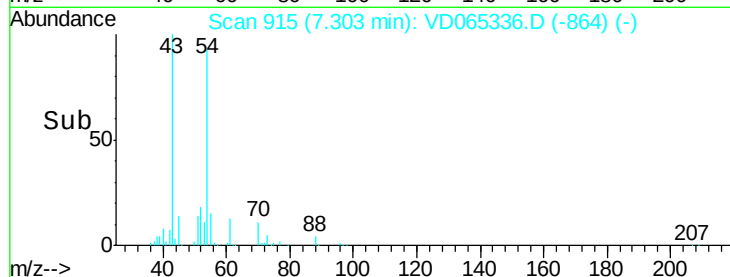
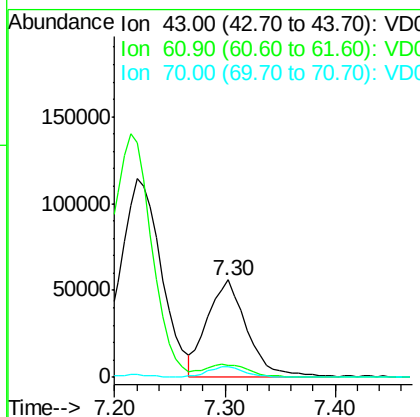
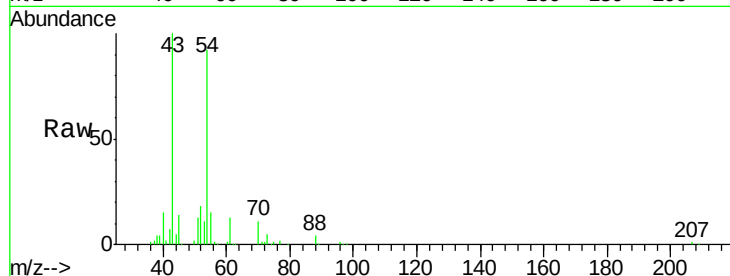
#37
Ethyl Acetate
Concen: 49.635 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.6	11.2	16.8
70	10.6	8.2	12.2

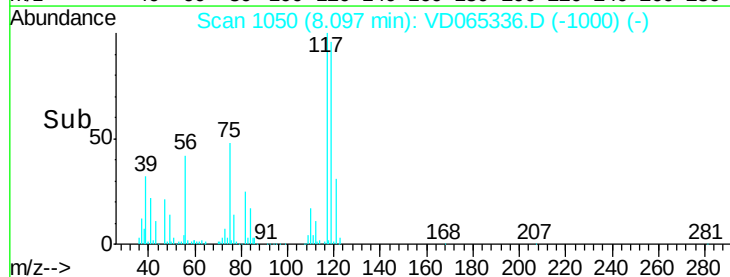
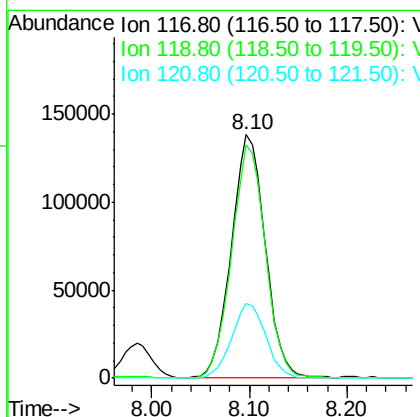
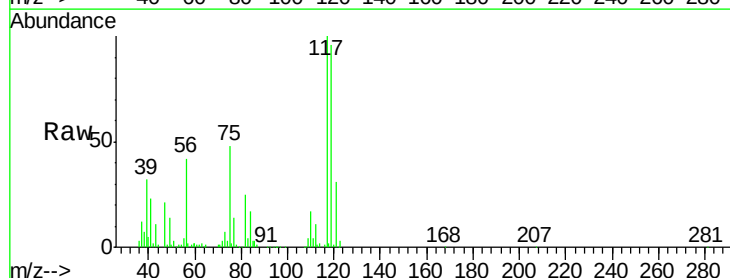
Manual Integrations
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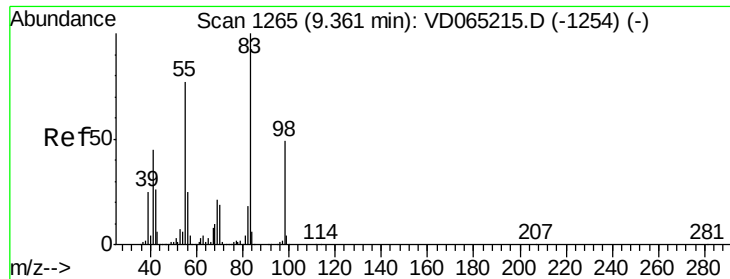
MMDadoda
2/27/2020 11:39:26 AM



#38
Carbon Tetrachloride
Concen: 49.587 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.1	77.6	116.4
121	30.7	24.8	37.2





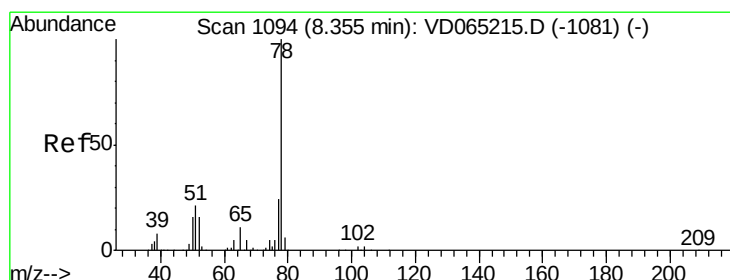
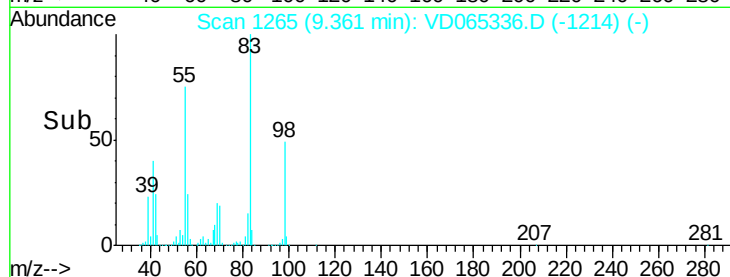
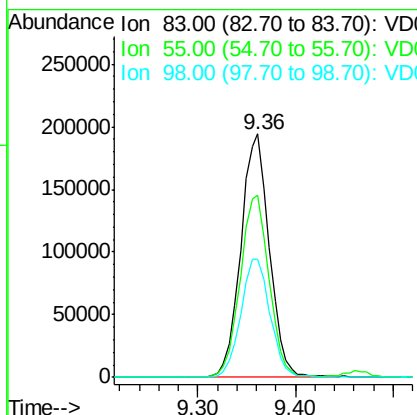
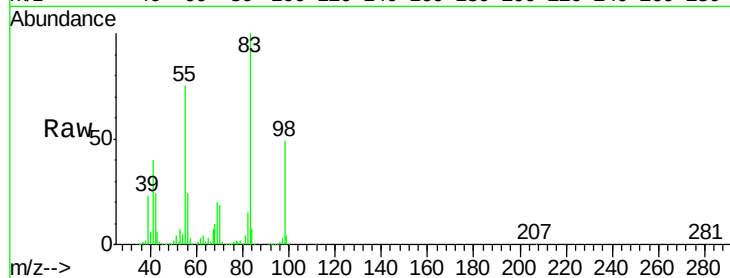
#39
Methylvlcyclohexane
Concen: 50.616 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.0	61.8	92.6
98	48.6	39.4	59.0

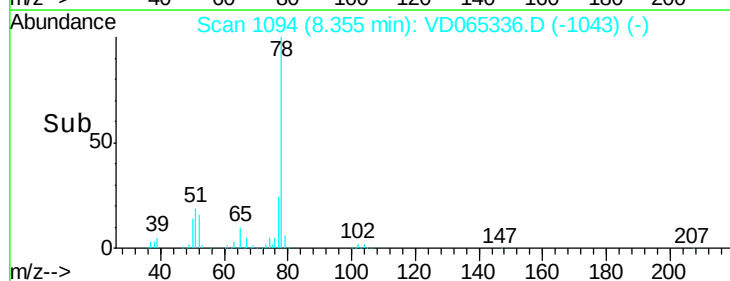
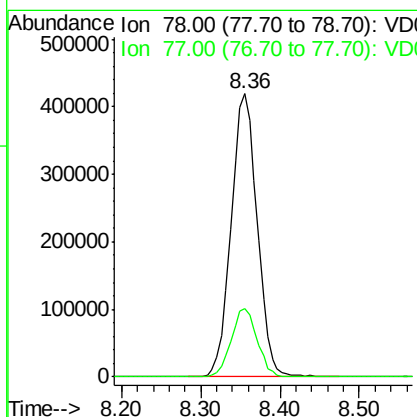
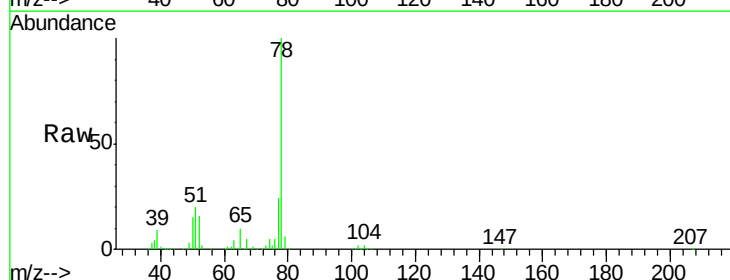
Manual Integrations
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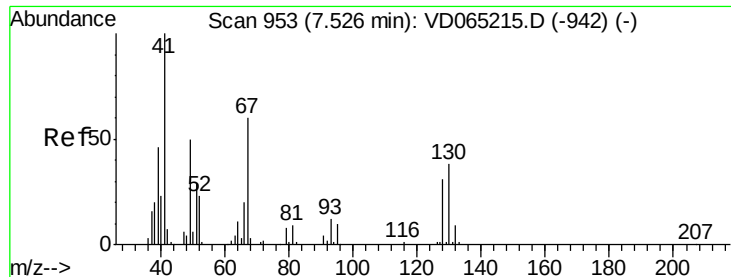
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#40
Benzene
Concen: 51.101 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	19.0	28.6





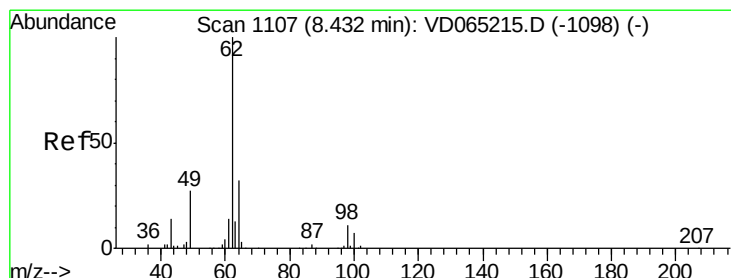
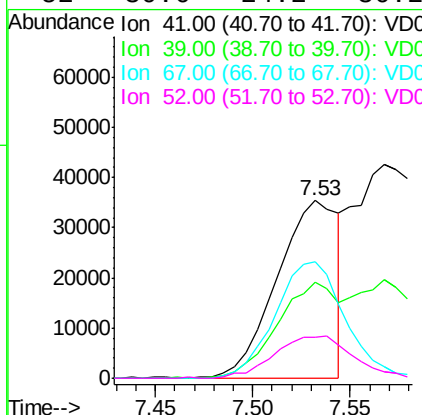
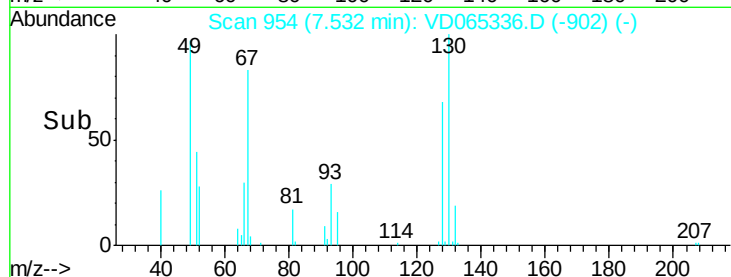
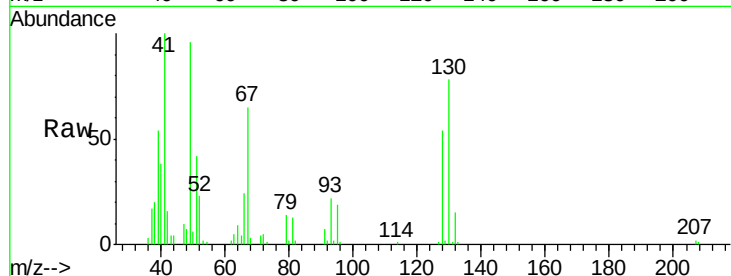
#41
Methacrylonitrile
Concen: 48.545 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	41	Resp	77467
Ion	Ratio	Lower	Upper
41	100		
39	52.4	48.1	72.1
67	74.7	58.9	88.3
52	30.6	24.2	36.2

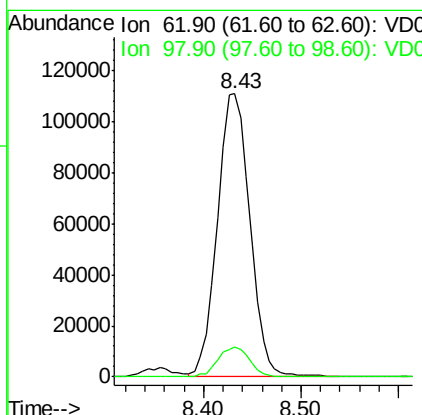
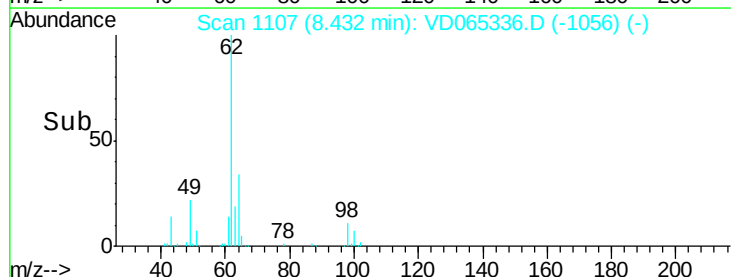
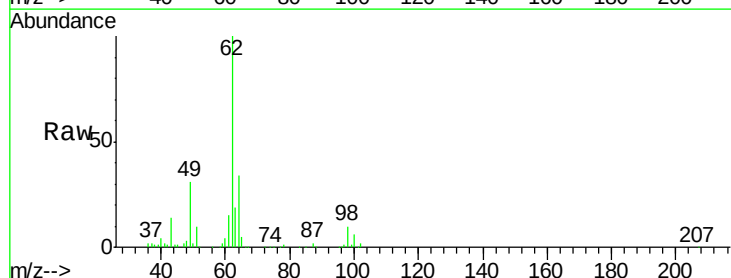
Manual Integrations
APPROVED

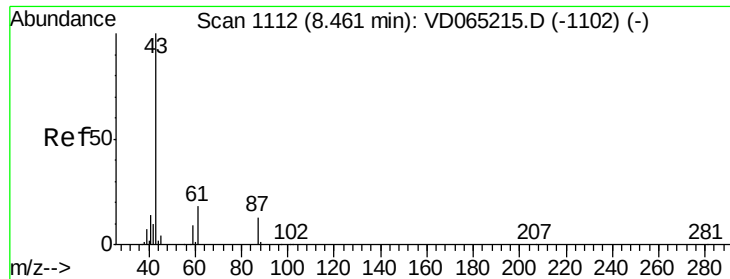
MMDadoda
2/27/2020 11:39:26 AM



#42
1,2-Dichloroethane
Concen: 49.773 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	62	Resp	255338
Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 51.676 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

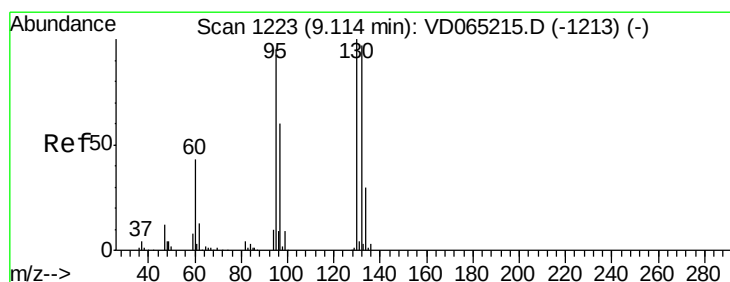
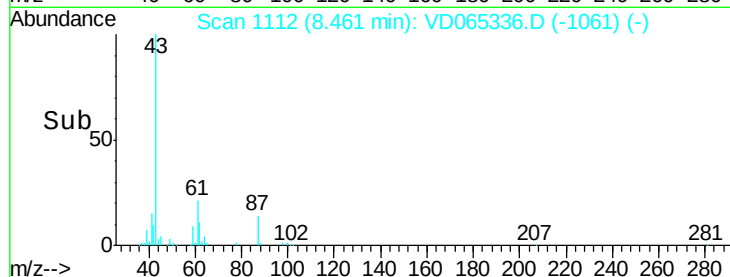
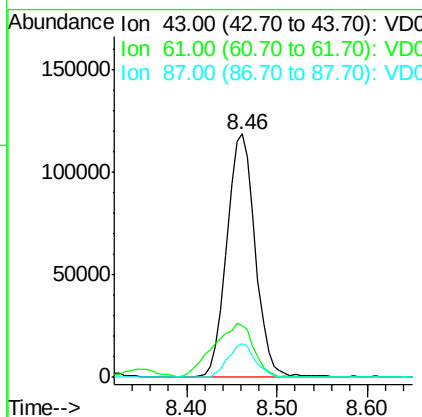
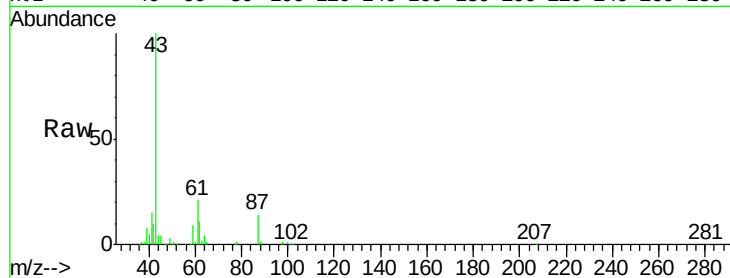
ClientSampleId :

VSTDCCC050EC

Tot Ion:	43	Resp:	259714
Ion	Ratio	Lower	Upper
43	100		
61	31.4	24.6	36.8
87	13.1	10.6	16.0

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#44

Trichloroethene

Concen: 50.634 ug/l

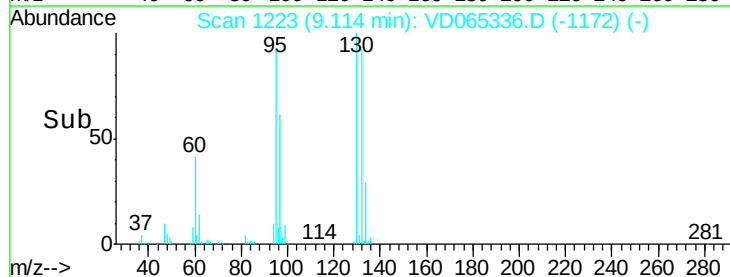
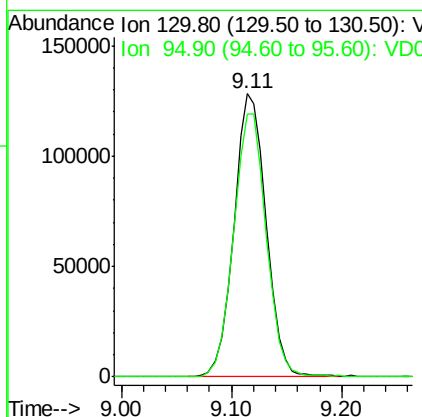
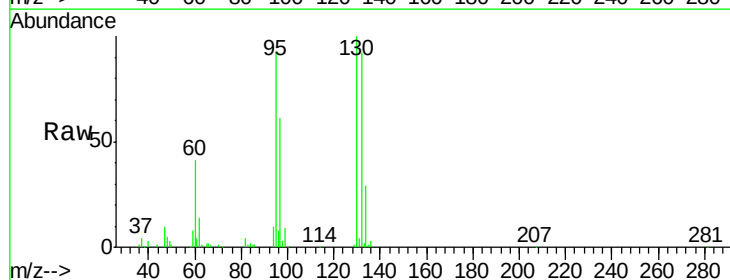
RT: 9.11 min Scan# 1223

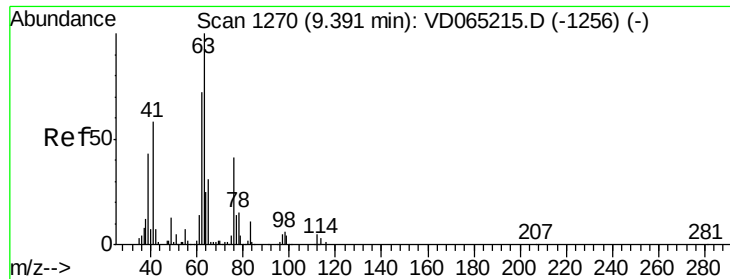
Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Tgt Ion:	130	Resp:	261914
Ion	Ratio	Lower	Upper
130	100		
95	92.7	0.0	190.6





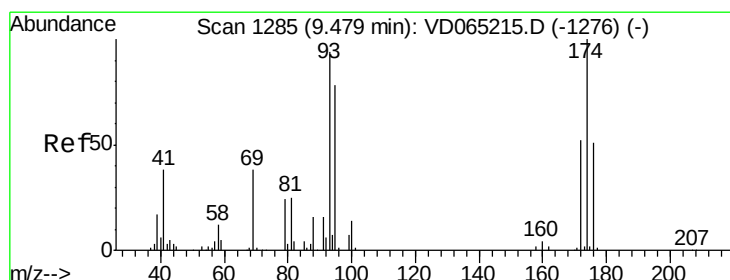
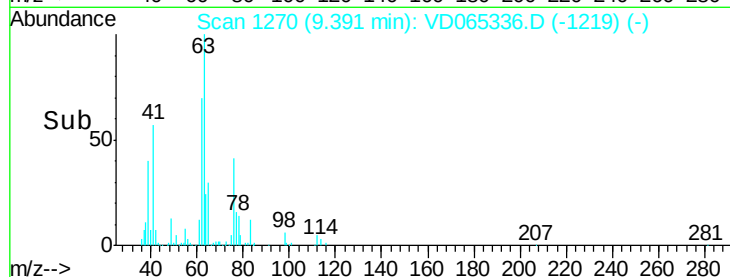
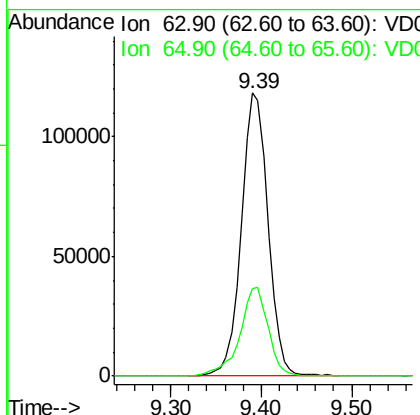
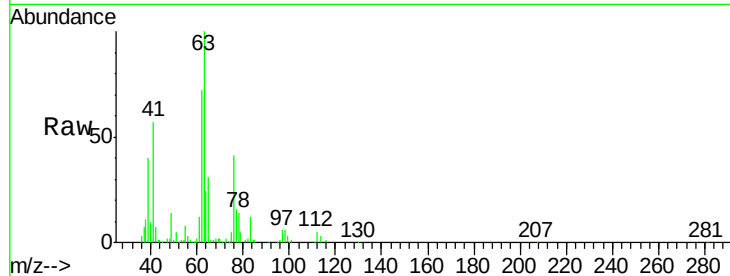
#45
 1,2-Dichloropropane
 Concen: 52.166 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.7	24.9	37.3

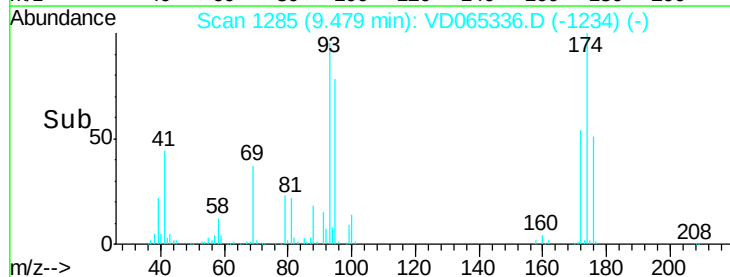
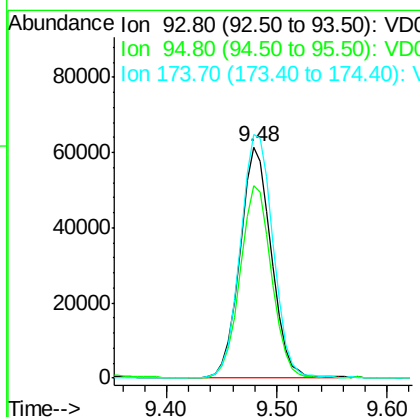
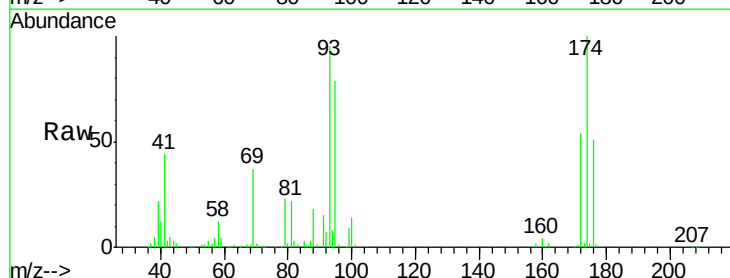
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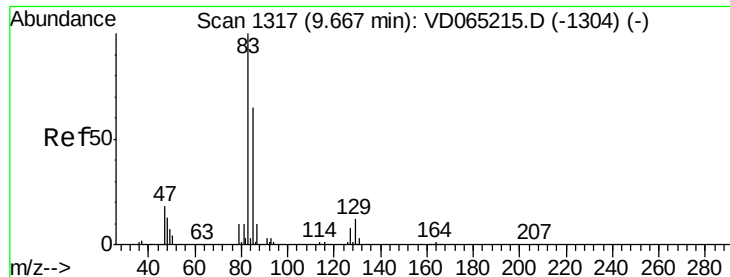
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#46
 Dibromomethane
 Concen: 51.500 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.7	65.8	98.6
174	109.7	86.8	130.2





#47

Bromodichloromethane

Concen: 50.903 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

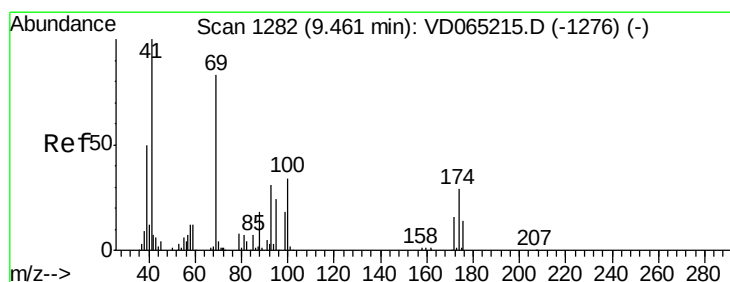
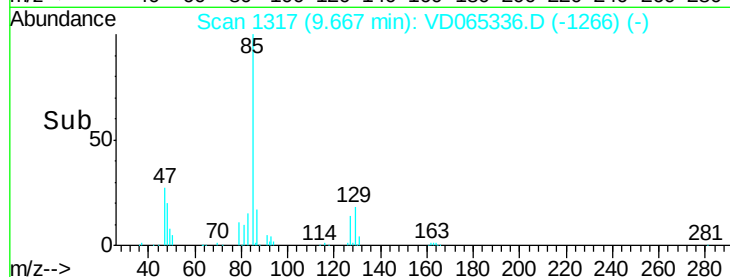
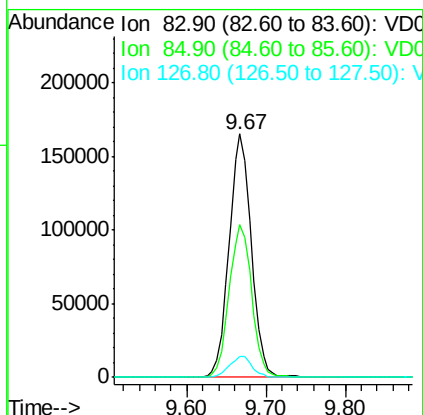
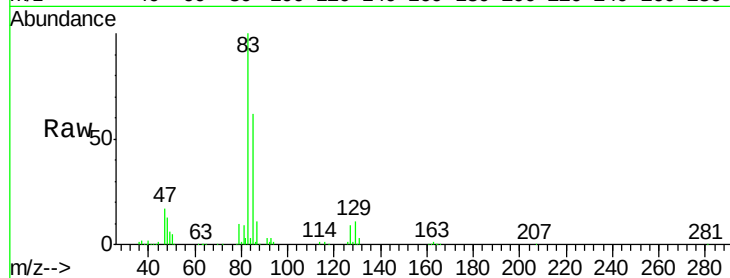
ClientSampleId :

VSTDCCC050EC

Tot Ion:	83	Resp:	320267
Ion	Ratio	Lower	Upper
83	100		
85	62.5	52.0	78.0
127	8.7	6.7	10.1

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#48

Methyl methacrylate

Concen: 52.299 ug/l

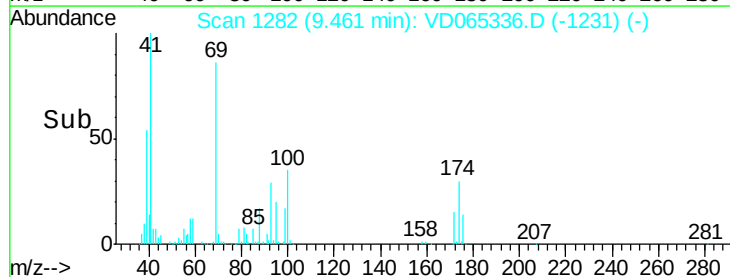
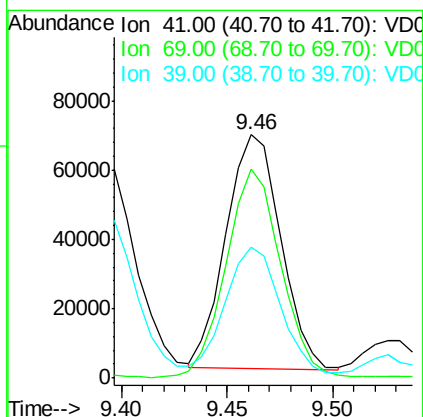
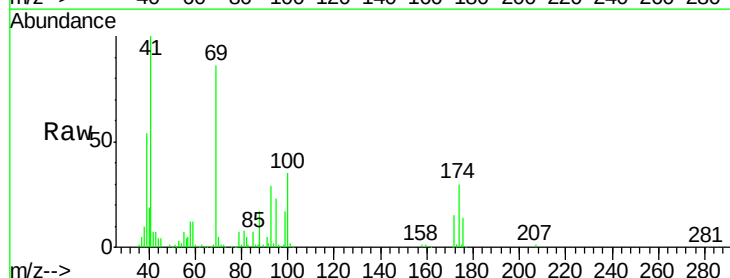
RT: 9.46 min Scan# 1282

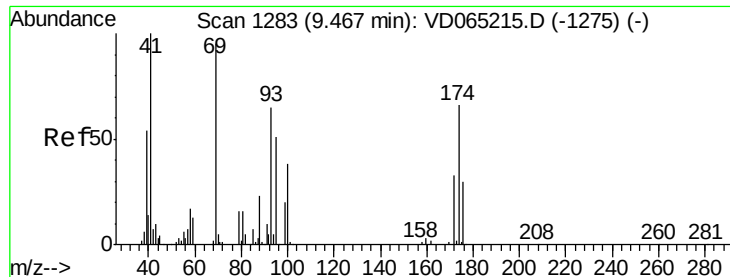
Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Tgt Ion:	41	Resp:	121494
Ion	Ratio	Lower	Upper
41	100		
69	88.6	68.2	102.2
39	52.7	42.0	63.0





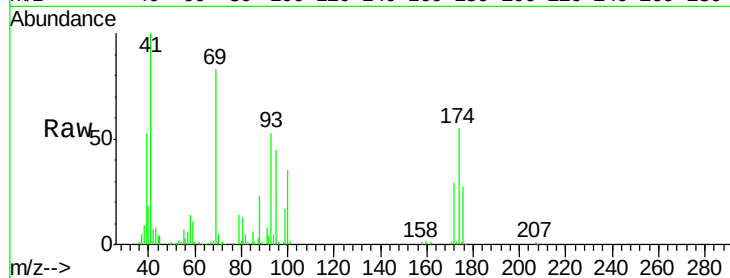
#49
1,4-Dioxane
Concen: 1073.930 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

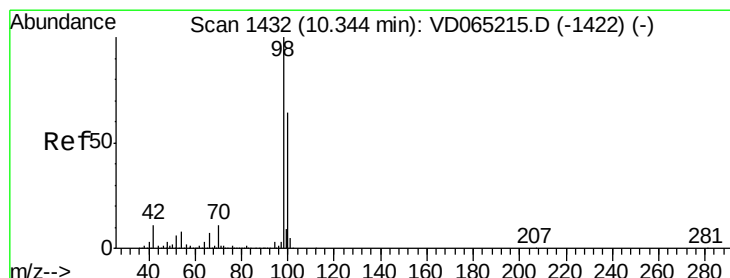
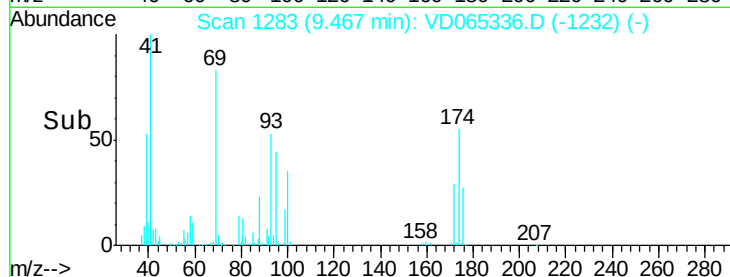
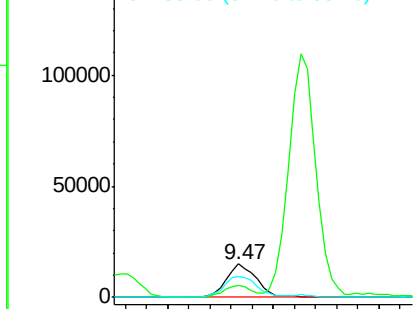
Tot Ion	Ratio	Lower	Upper
88	100		
43	29.7	28.5	42.7
58	67.7	58.6	87.8

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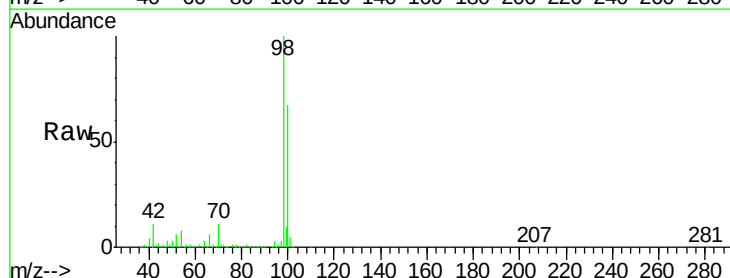


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

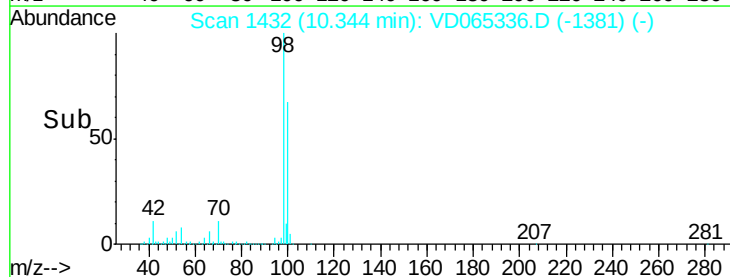
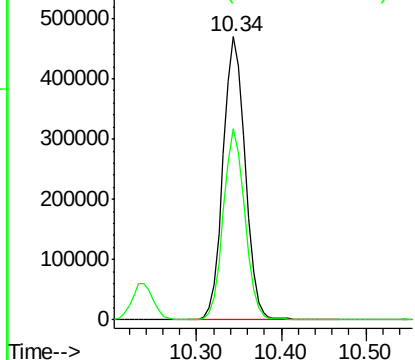


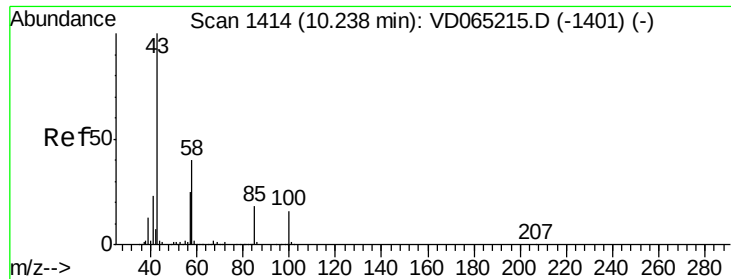
#50
Toluene-d8
Concen: 53.612 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.0	52.0	78.0



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





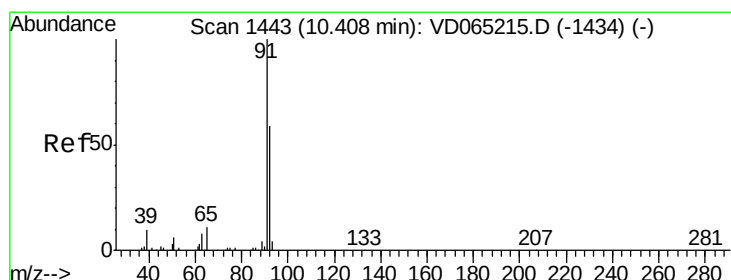
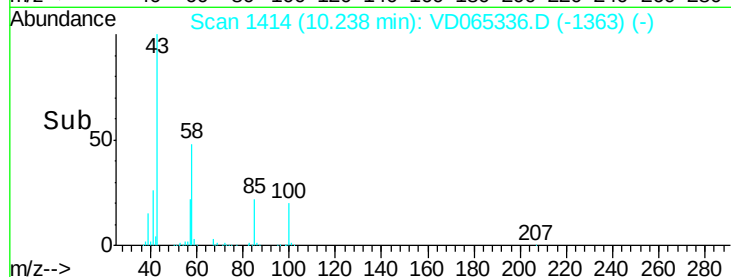
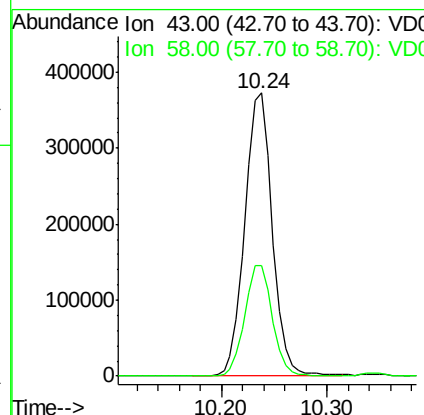
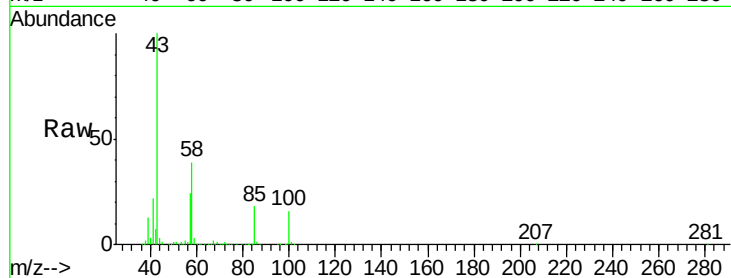
#51
4-Methyl-2-Pentanone
Concen: 263.553 ug/l
RT: 10.24 min Scan# 1414
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 672765
Ion Ratio Lower Upper
43 100
58 39.3 31.1 46.7

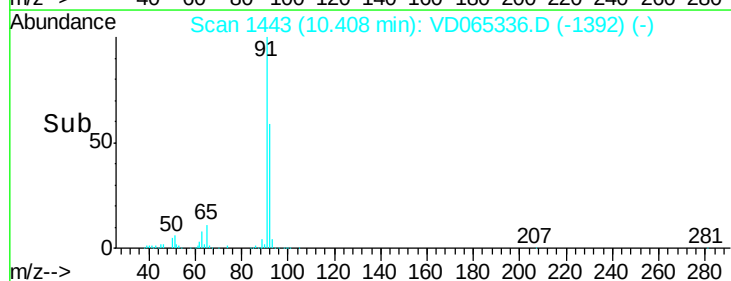
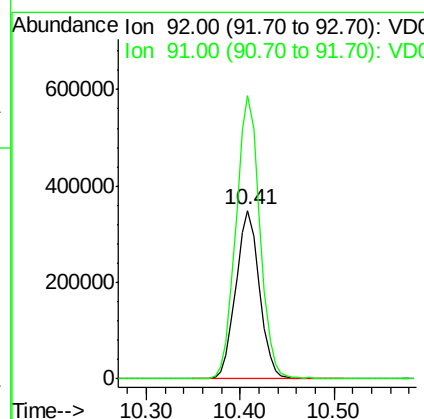
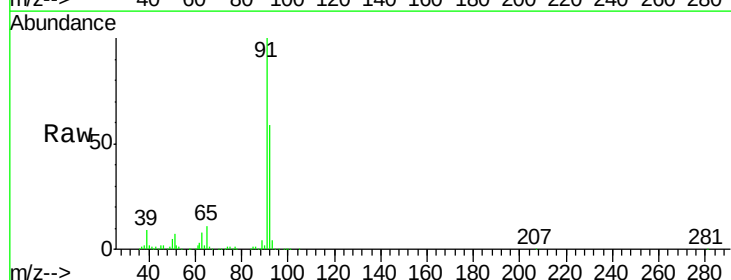
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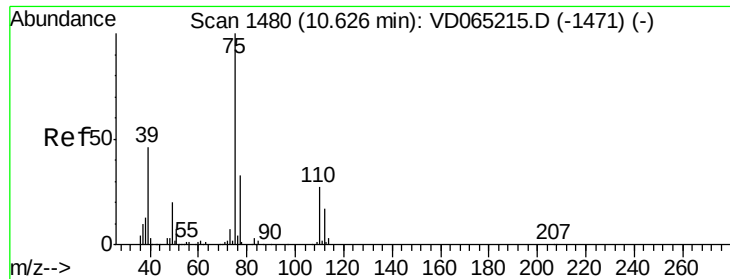
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#52
Toluene
Concen: 52.769 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion: 92 Resp: 609504
Ion Ratio Lower Upper
92 100
91 170.5 136.3 204.5





#53

t-1,3-Dichloropropene

Concen: 52.831 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 75 Resp: 308100

Ion Ratio Lower Upper

75 100

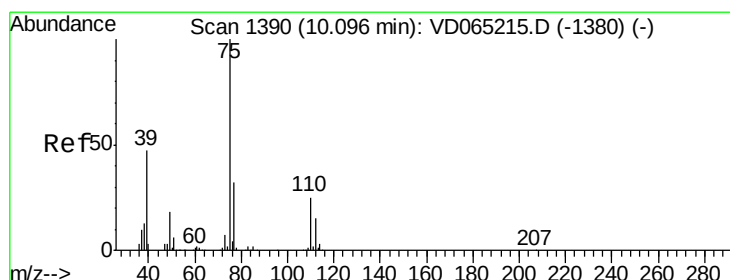
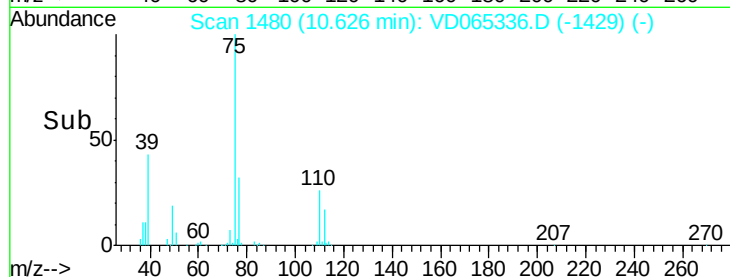
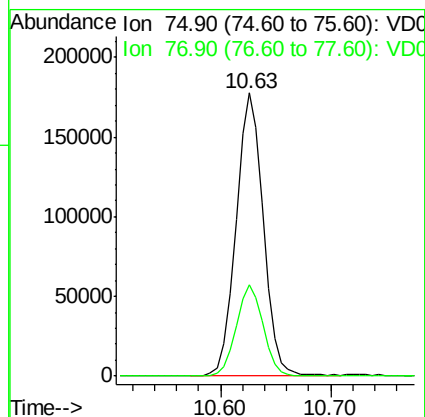
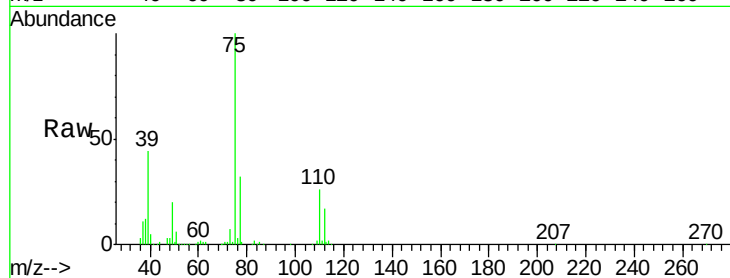
77 32.1 26.6 40.0

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#54

cis-1,3-Dichloropropene

Concen: 52.944 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

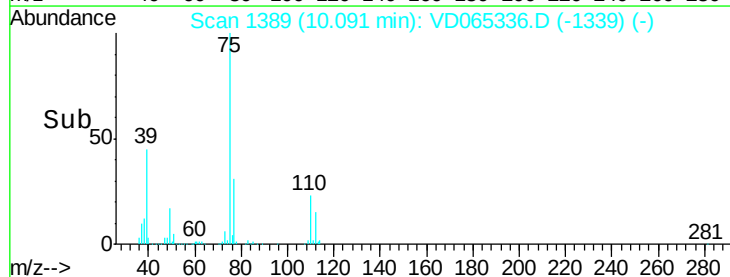
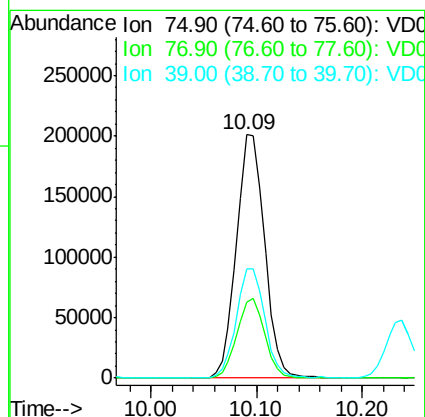
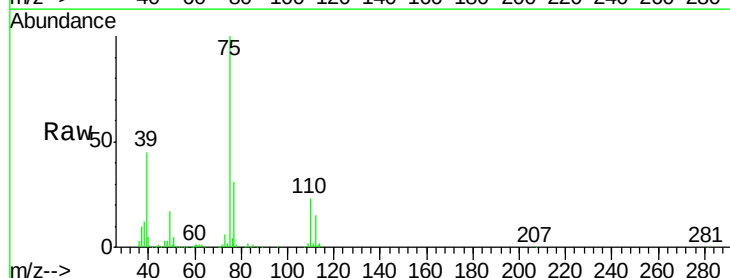
Tgt Ion: 75 Resp: 372845

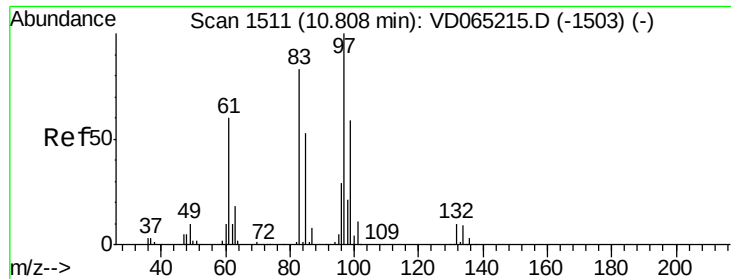
Ion Ratio Lower Upper

75 100

77 31.1 25.8 38.8

39 44.7 37.3 55.9





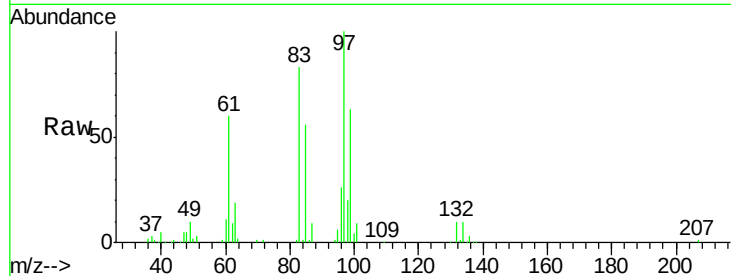
#55
 1,1,2-Trichloroethane
 Concen: 51.217 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

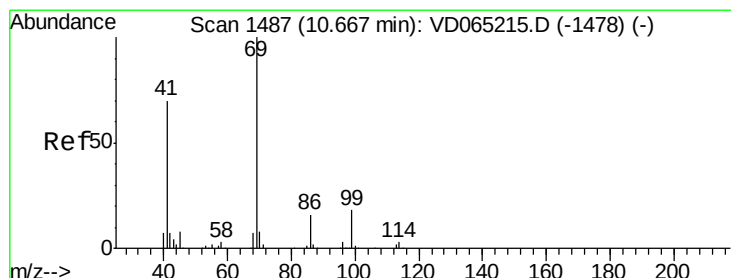
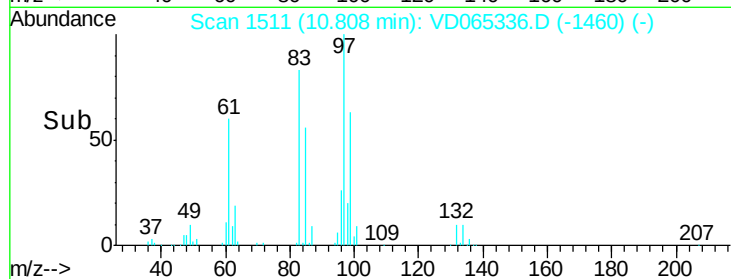
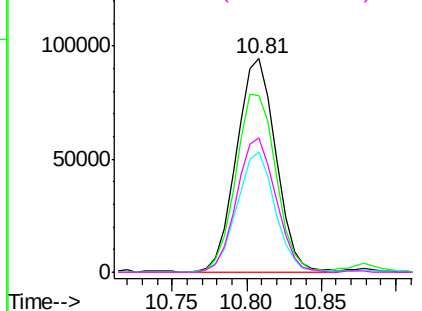
Tot Ion:	97	Resp:	172103
Ion	Ratio	Lower	Upper
97	100		
83	82.8	66.7	100.1
85	56.5	42.4	63.6
99	63.0	47.5	71.3

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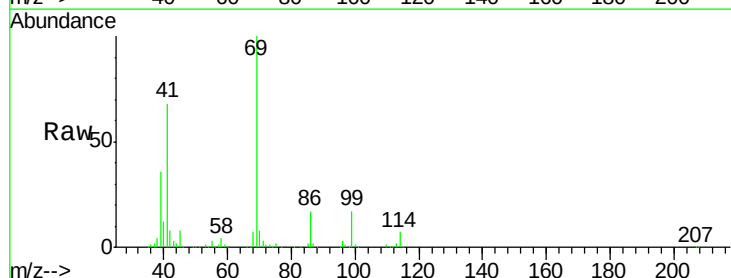


Abundance Ion 96.90 (96.60 to 97.60): VDC
 Ion 82.90 (82.60 to 83.60): VDC
 Ion 84.90 (84.60 to 85.60): VDC
 Ion 98.90 (98.60 to 99.60): VDC

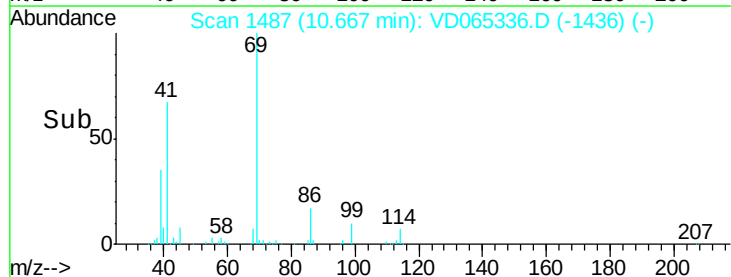
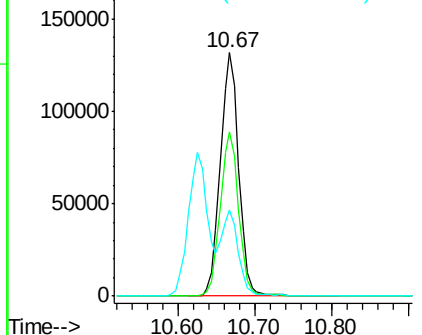


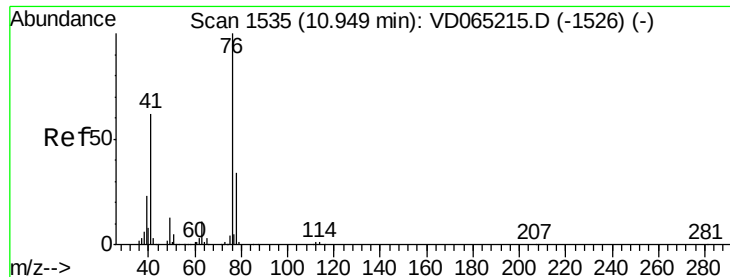
#56
 Ethyl methacrylate
 Concen: 56.079 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion:	69	Resp:	217504
Ion	Ratio	Lower	Upper
69	100		
41	66.4	54.6	81.8
39	31.9	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





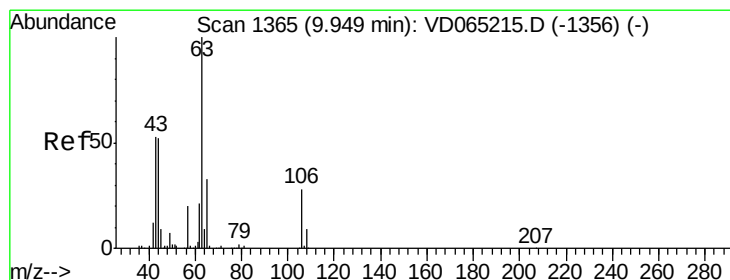
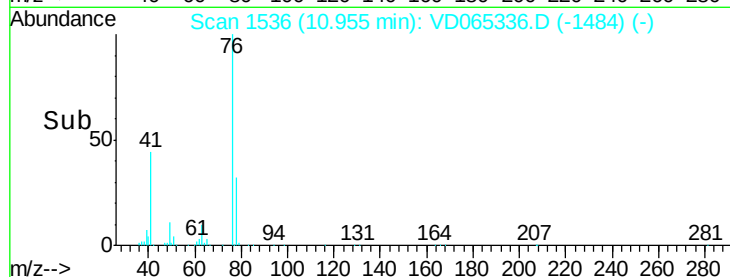
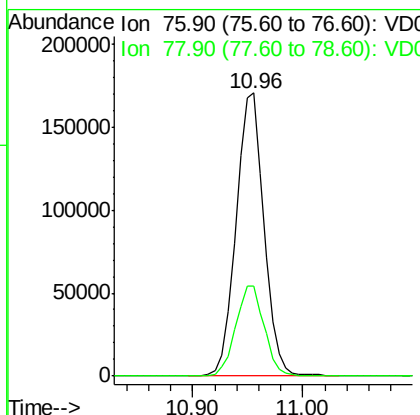
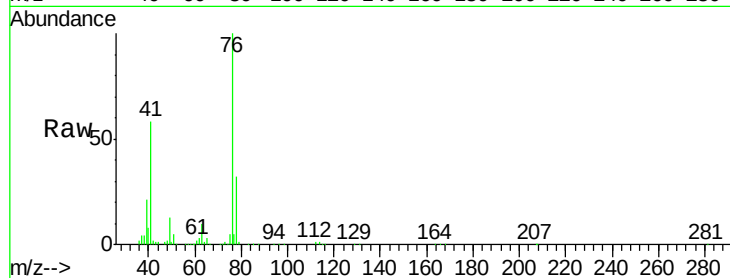
#57
 1,3-Dichloropropane
 Concen: 52.992 ug/l
 RT: 10.96 min Scan# 1536
 Delta R.T. 0.01 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.3	26.3	39.5

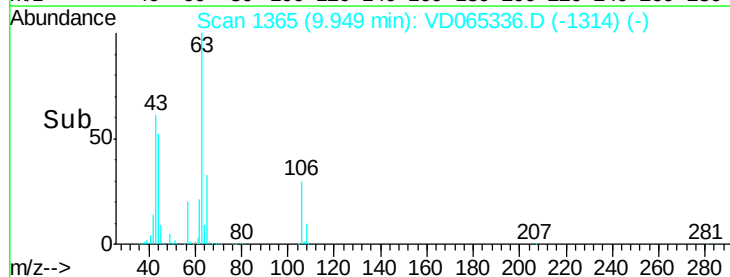
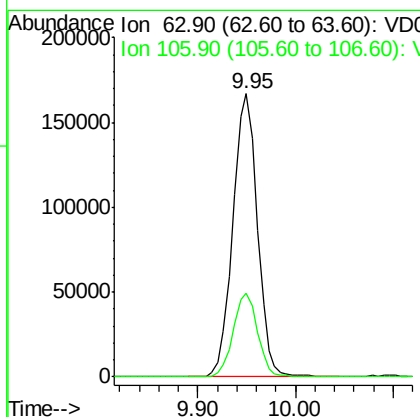
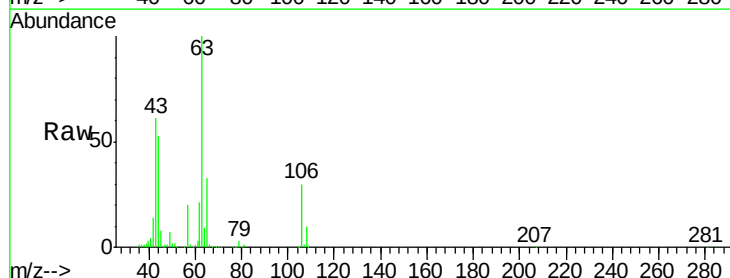
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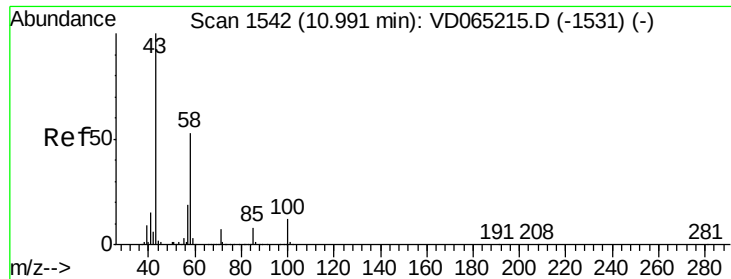
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#58
 2-Chloroethyl Vinyl ether
 Concen: 238.232 ug/l
 RT: 9.95 min Scan# 1365
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	29.5	22.8	34.2





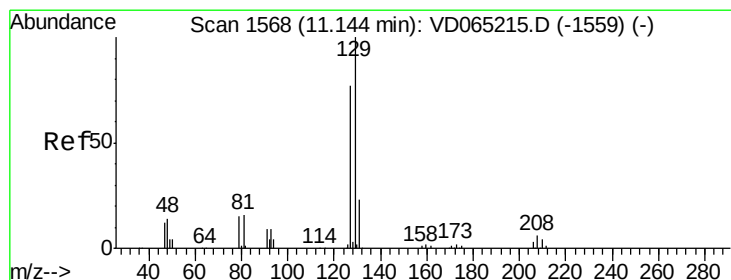
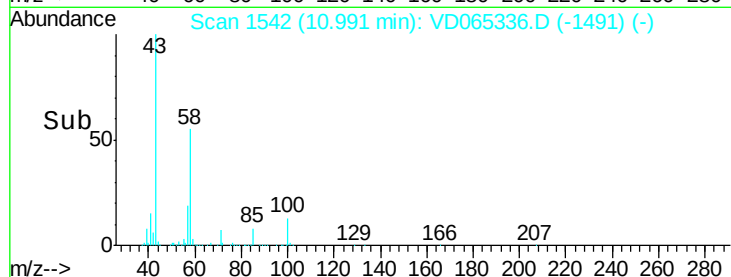
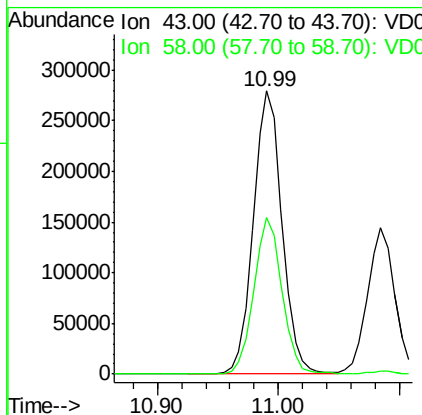
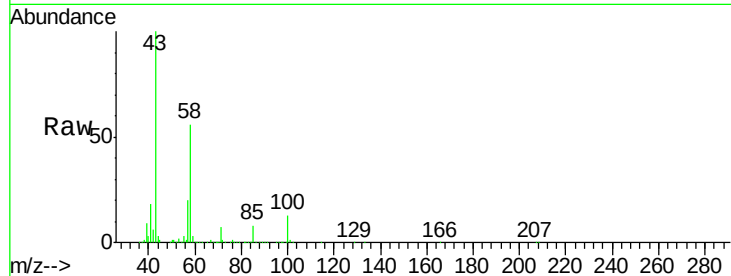
#59
2-Hexanone
Concen: 252.804 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 43 Resp: 461951
Ion Ratio Lower Upper
43 100
58 54.4 26.3 78.8

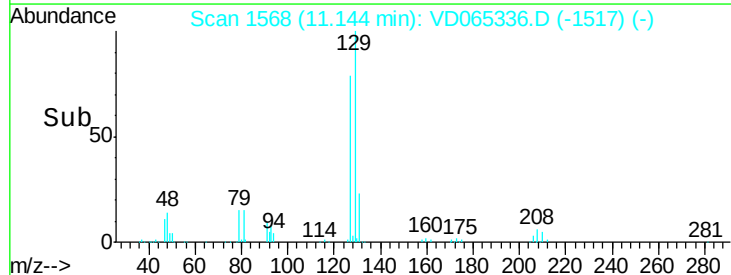
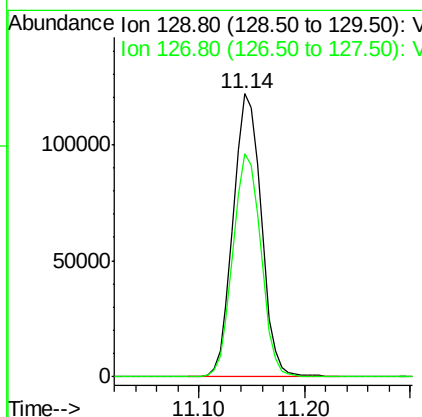
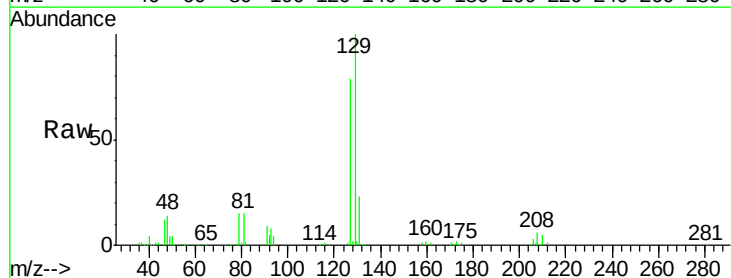
Manual Integrations
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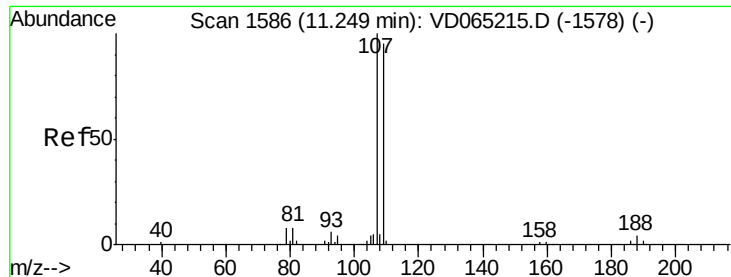
MMDadoda
2/27/2020 11:39:26 AM



#60
Dibromochloromethane
Concen: 52.195 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion: 129 Resp: 224488
Ion Ratio Lower Upper
129 100
127 78.5 38.7 116.1





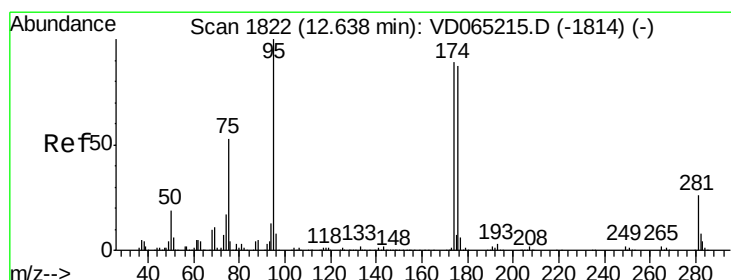
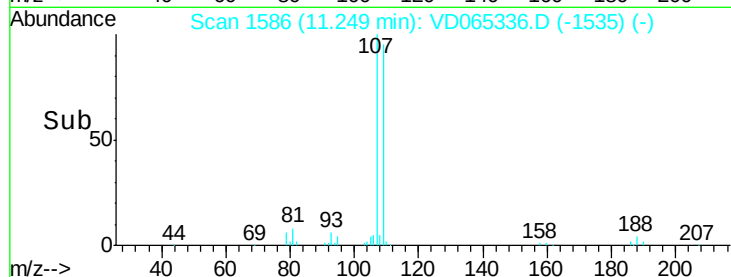
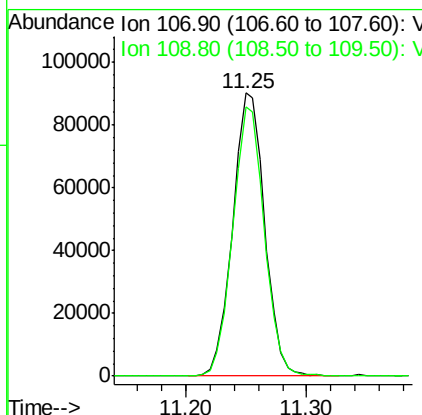
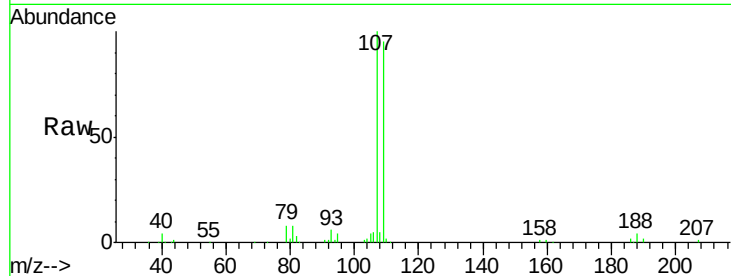
#61
 1,2-Dibromoethane
 Concen: 52.264 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.4	76.2	114.4

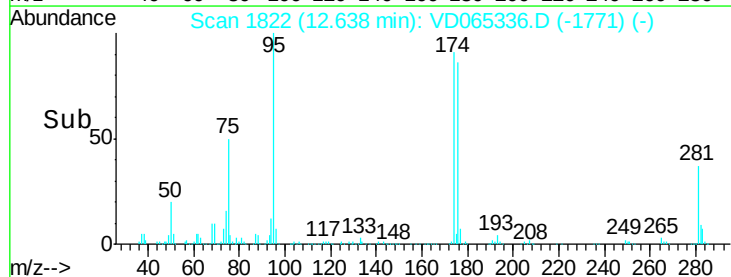
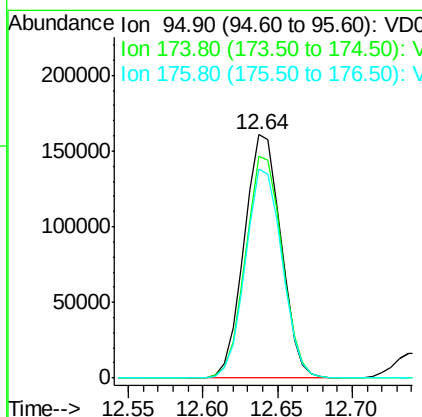
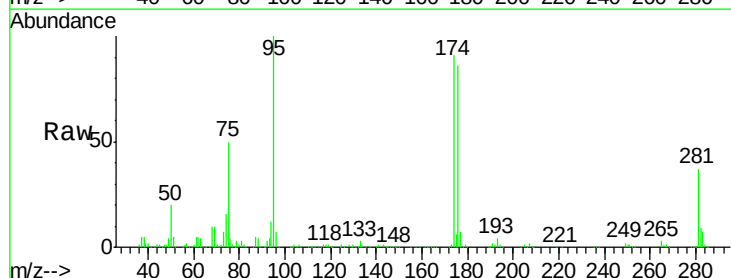
Manual Integrations
 APPROVED

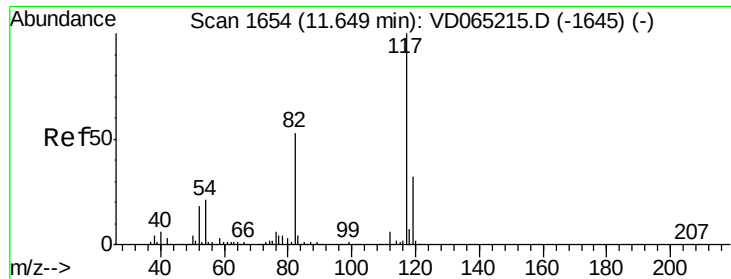
MMDadoda
 2/27/2020 11:39:26 AM



#62
 4-Bromofluorobenzene
 Concen: 54.765 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.3	0.0	178.0
176	85.4	0.0	174.4





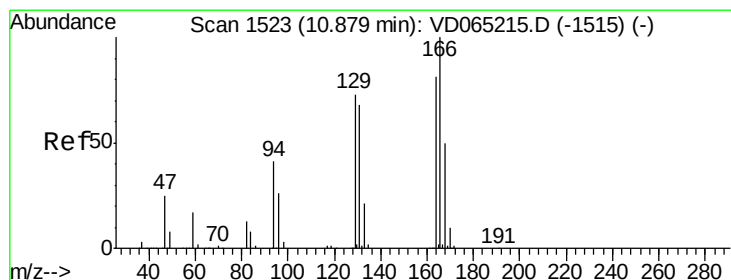
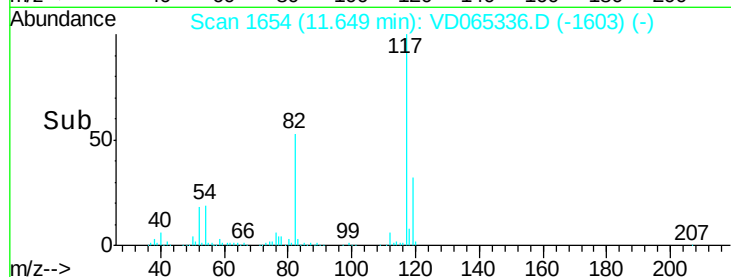
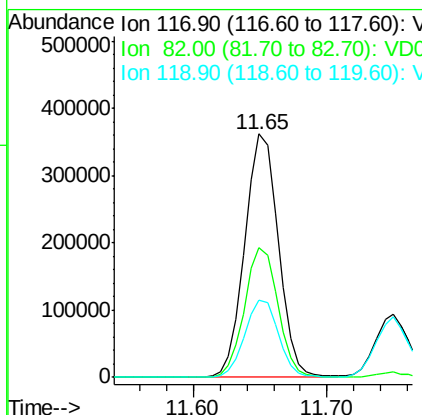
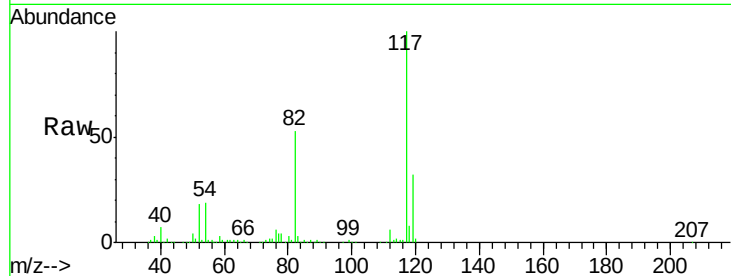
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.7	64.1
119	31.7	25.5	38.3

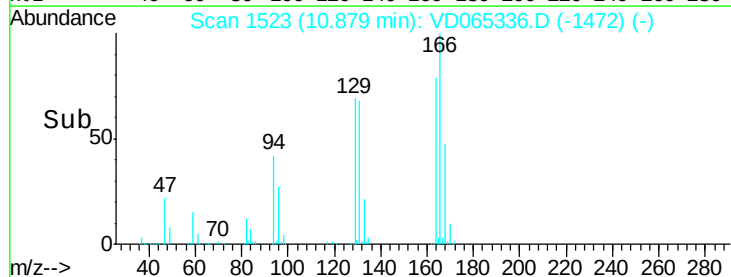
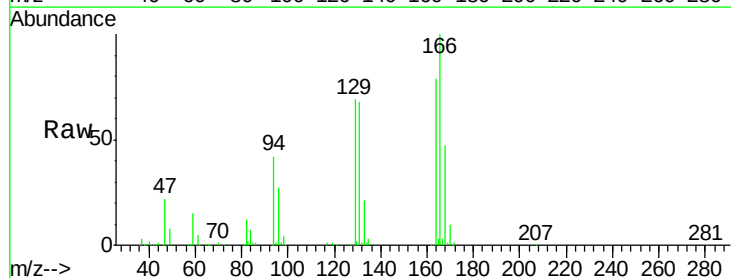
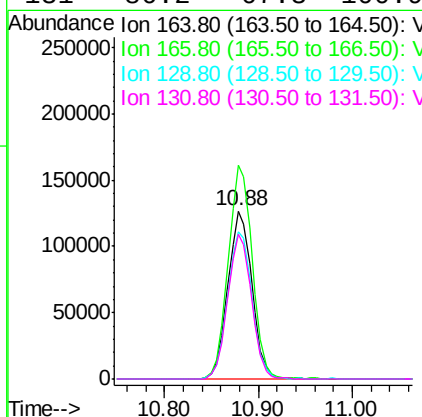
Manual Integrations
APPROVED

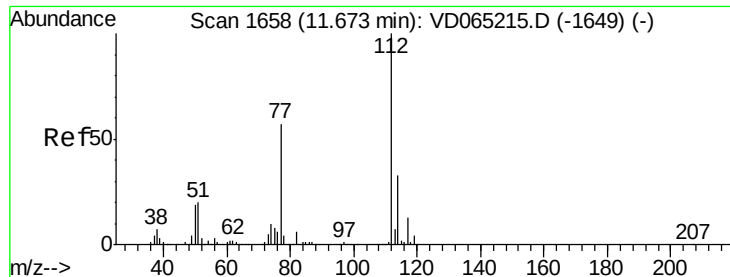
MMDadoda
2/27/2020 11:39:26 AM



#64
Tetrachloroethene
Concen: 50.366 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.4	98.4	147.6
129	88.0	71.6	107.4
131	86.2	67.3	100.9





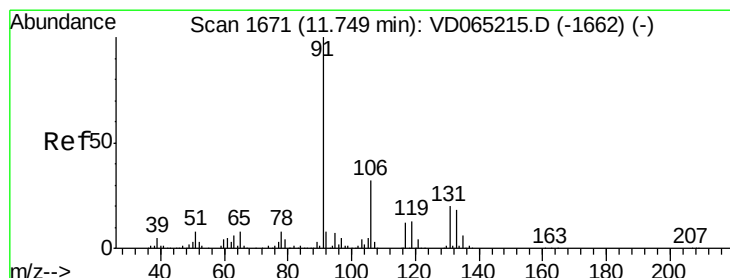
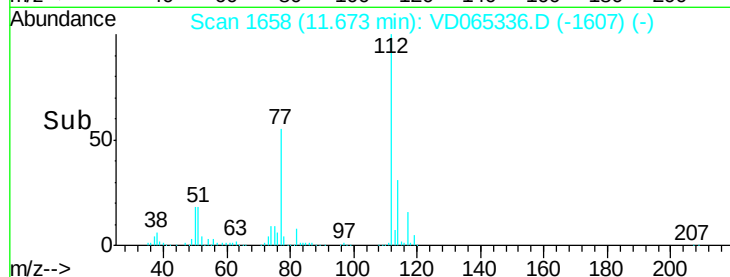
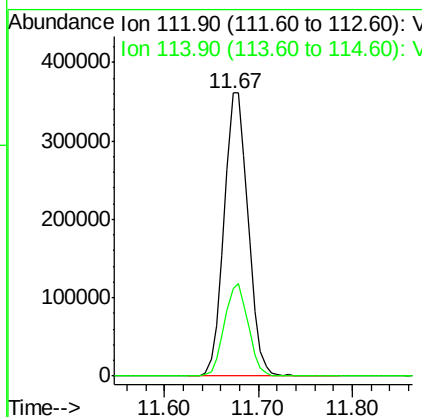
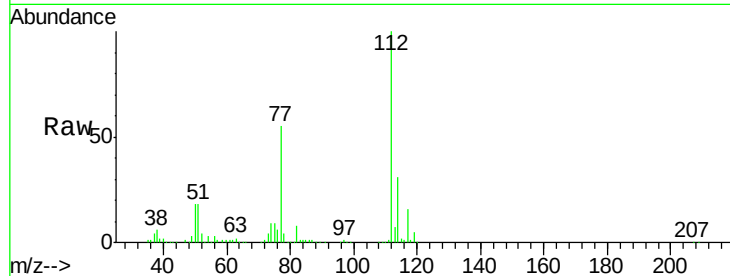
#65
Chlorobenzene
Concen: 50.982 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:112 Resp: 643467
Ion Ratio Lower Upper
112 100
114 31.0 26.4 39.6

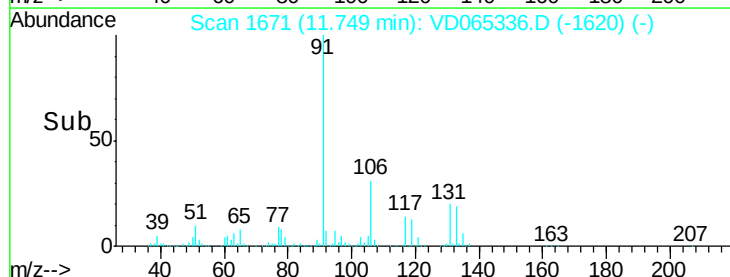
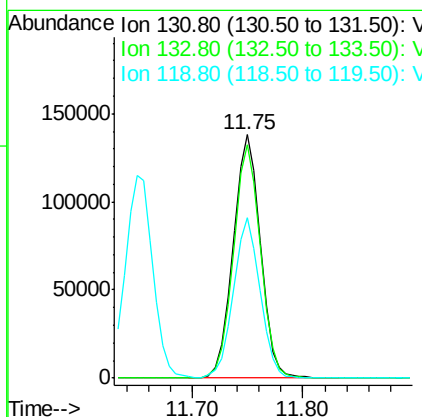
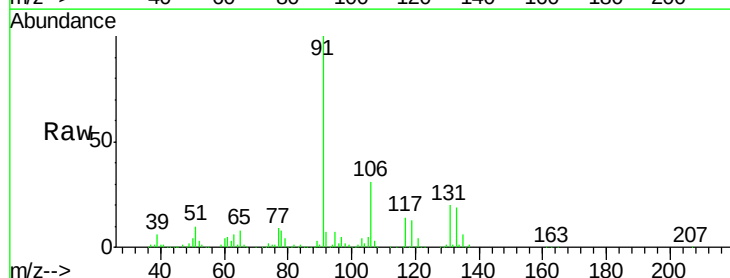
Manual Integrations
APPROVED

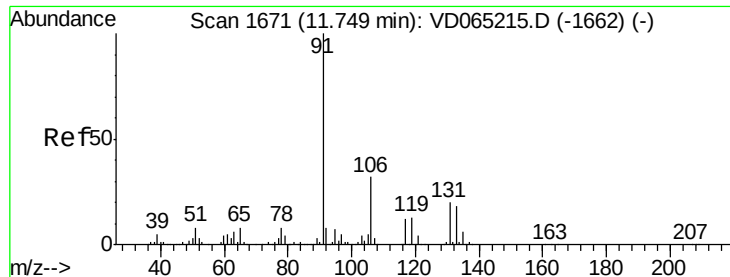
MMDadoda
2/27/2020 11:39:26 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 50.818 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion:131 Resp: 239349
Ion Ratio Lower Upper
131 100
133 95.0 47.7 143.1
119 64.1 32.7 98.1





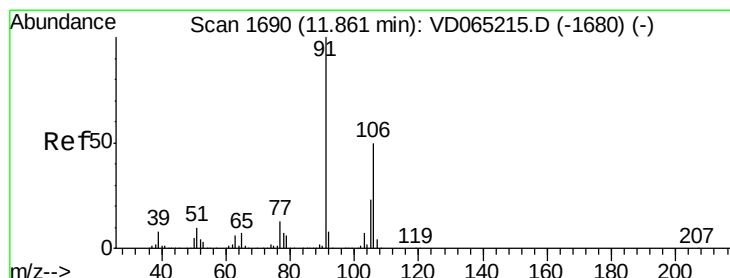
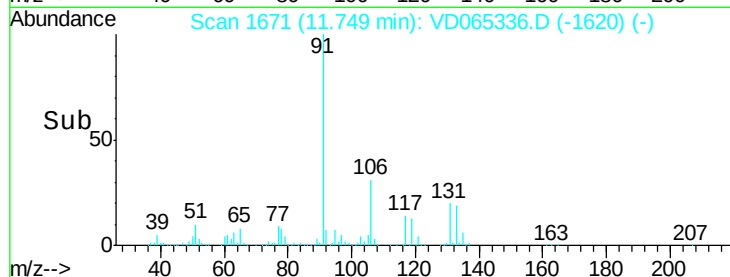
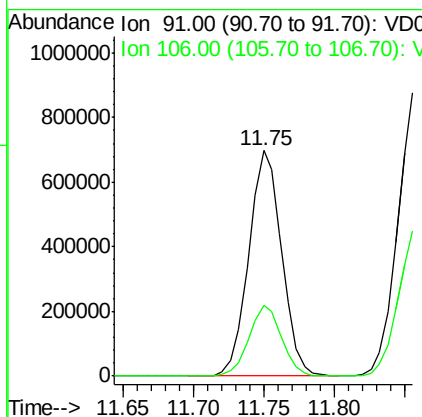
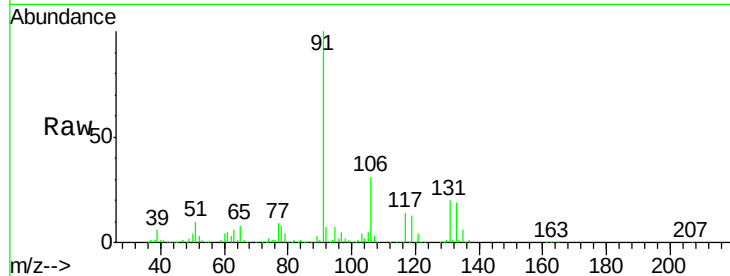
#67
Ethyl Benzene
Concen: 51.705 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 91 Resp: 1142928
Ion Ratio Lower Upper
91 100
106 31.2 25.2 37.8

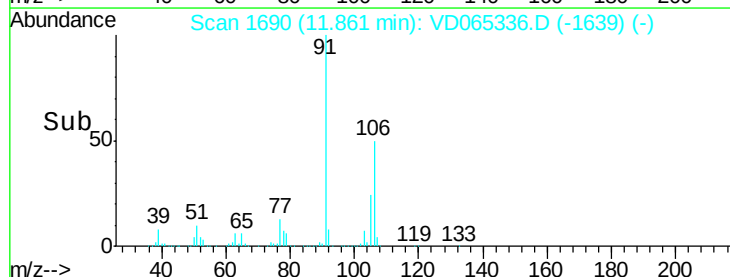
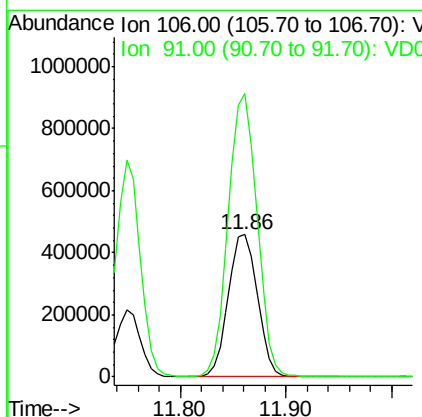
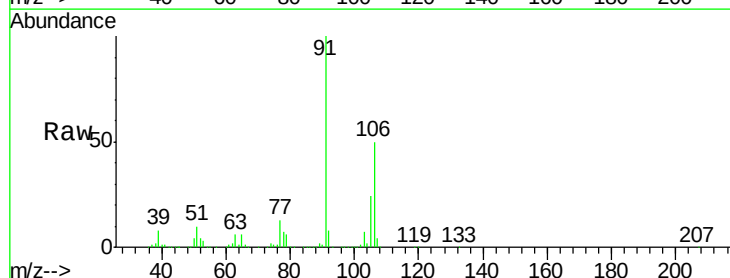
Manual Integrations
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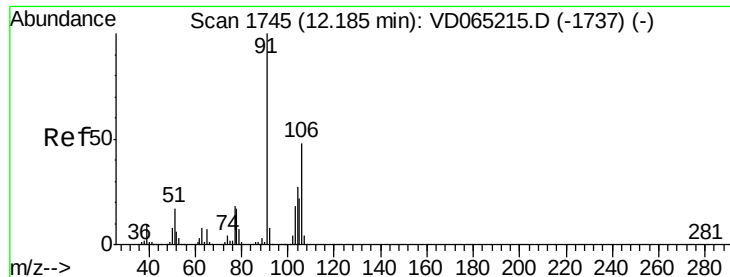
MMDadoda
2/27/2020 11:39:26 AM



#68
m/p-Xylenes
Concen: 104.047 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion: 106 Resp: 879945
Ion Ratio Lower Upper
106 100
91 196.4 158.2 237.4





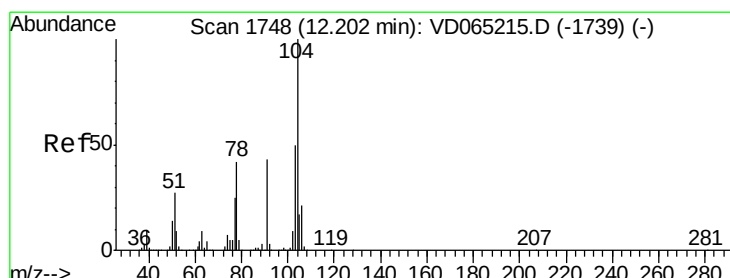
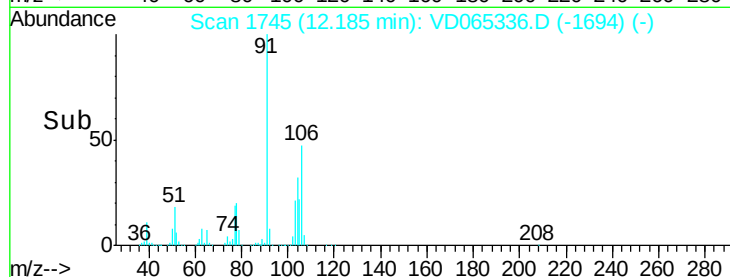
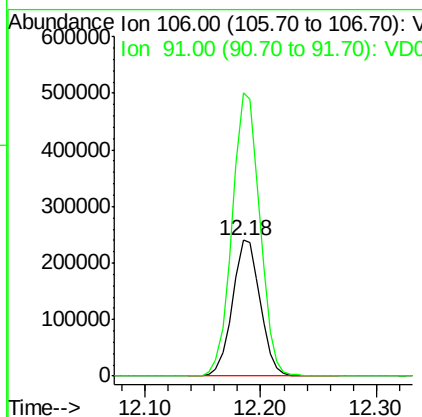
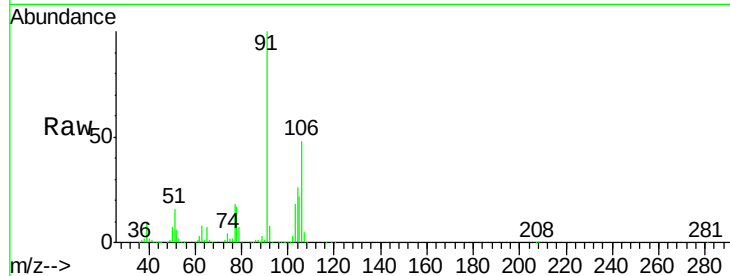
#69
o-Xylene
Concen: 53.315 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	399470		
91	91	208.7	104.7	313.9	

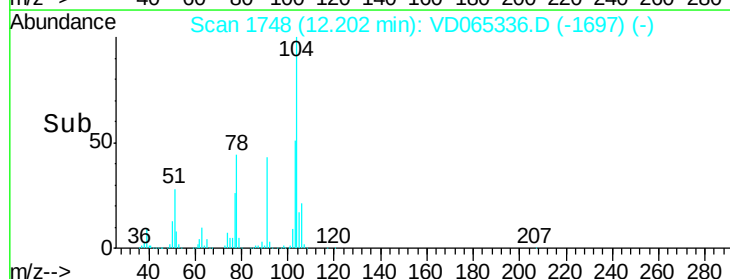
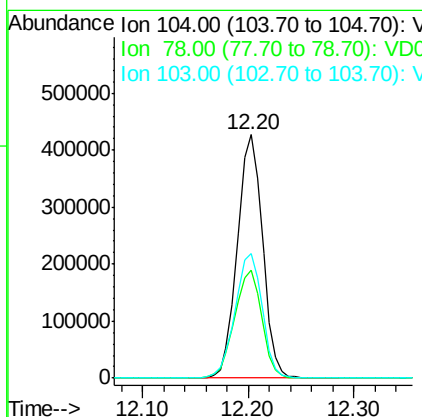
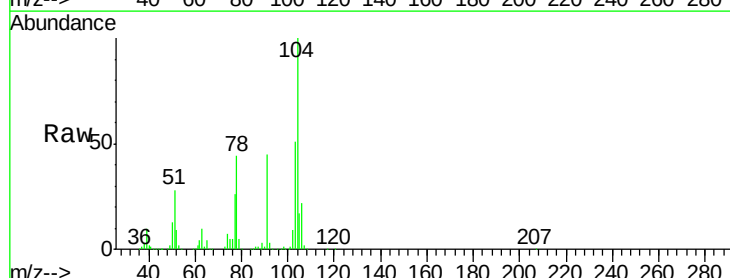
Manual Integrations
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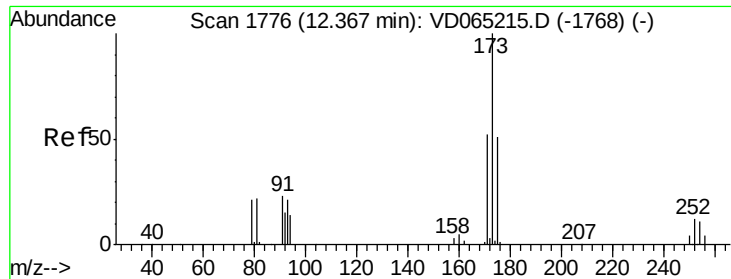
MMDadoda
2/27/2020 11:39:26 AM



#70
Styrene
Concen: 53.001 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	705058		
78	78	47.6	37.8	56.6	
103	103	54.7	43.4	65.2	





#71

Bromoform

Concen: 50.324 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

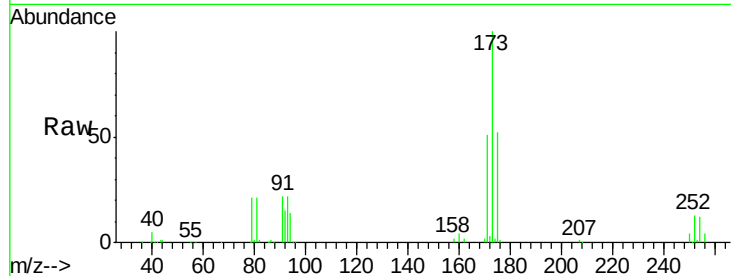
ClientSampleId :

VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.1	24.4	73.4
254	0.1	0.0	0.0

Manual Integrations
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MMDadoda
2/27/2020 11:39:26 AM

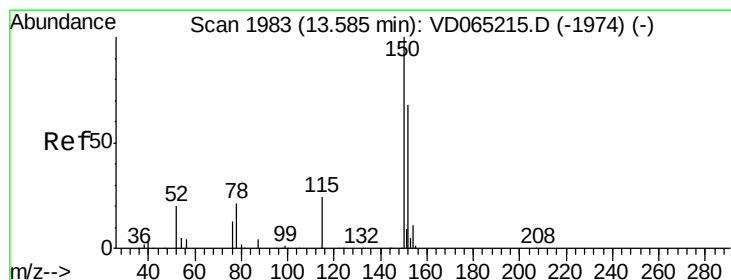
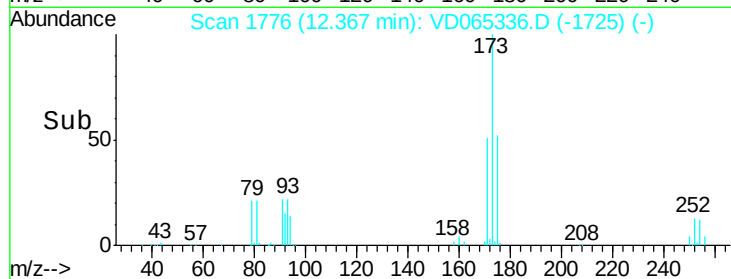
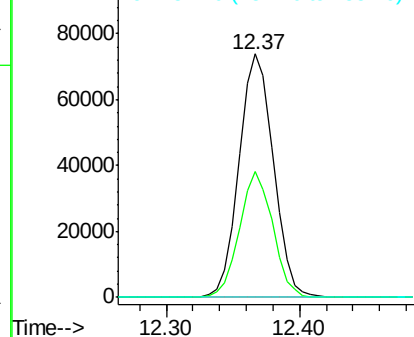


Abundance

Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

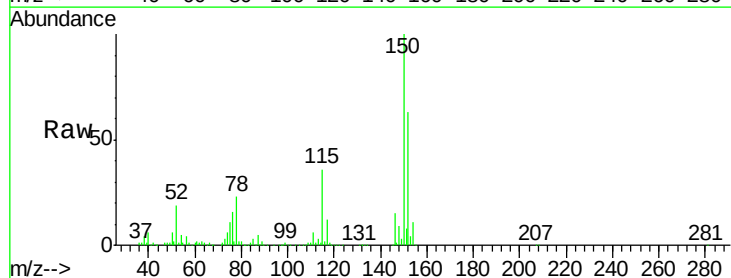
RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.7	27.6	82.8
150	173.7	0.0	347.4

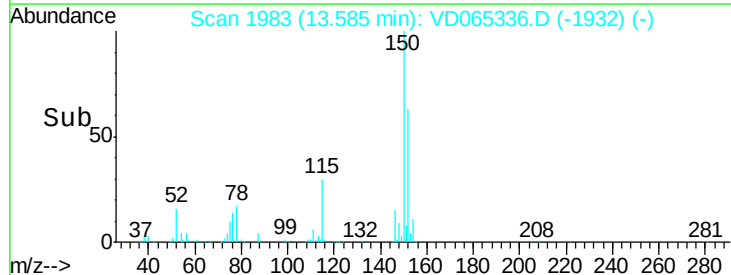
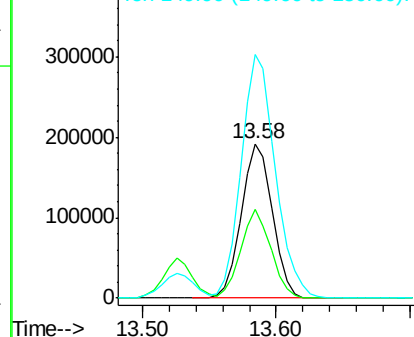


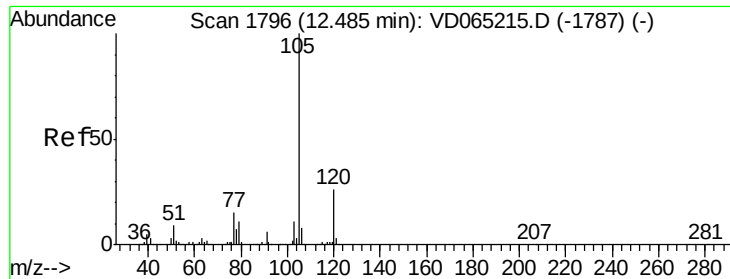
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





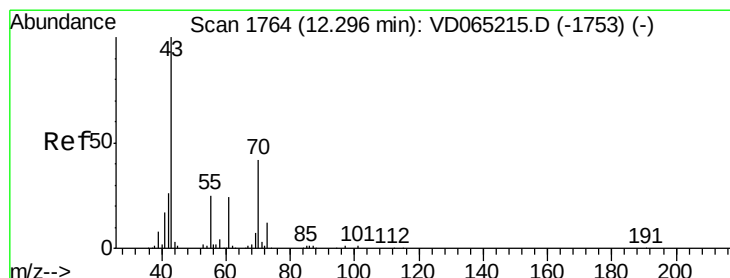
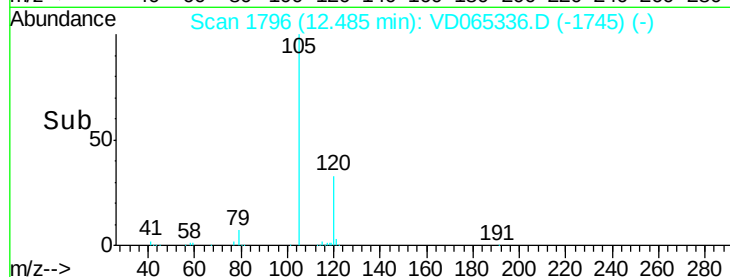
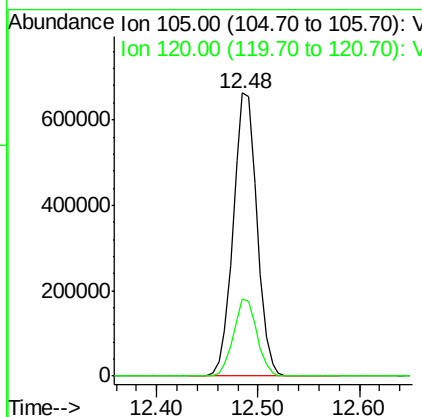
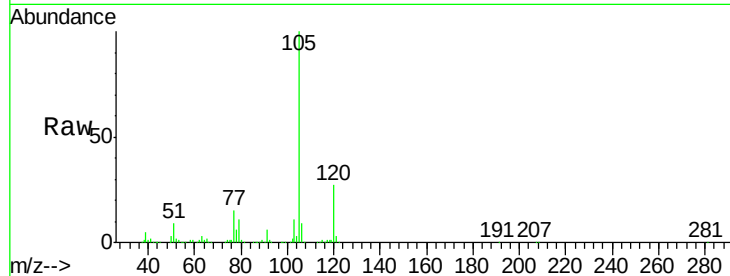
#73
Isopropylbenzene
Concen: 52.970 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 105 Resp: 1077187
Ion Ratio Lower Upper
105 100
120 27.0 13.3 39.9

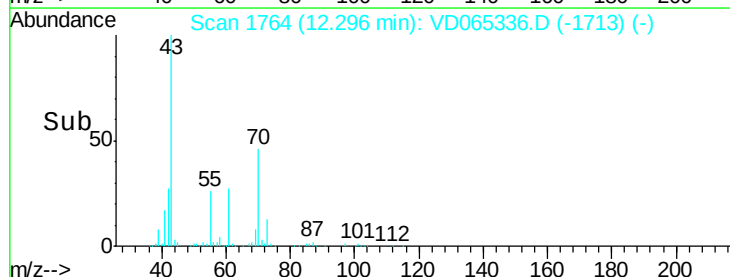
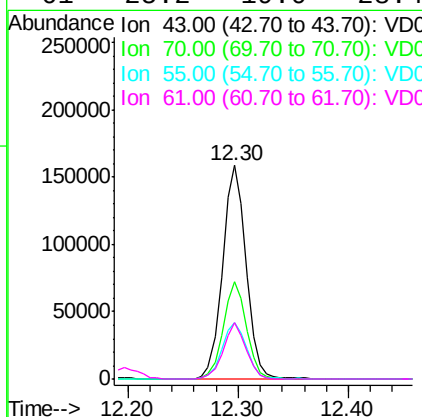
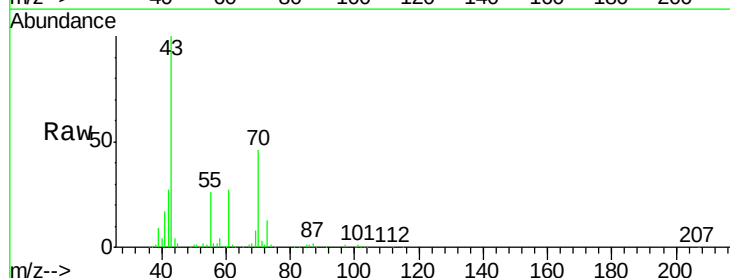
Manual Integrations
APPROVED

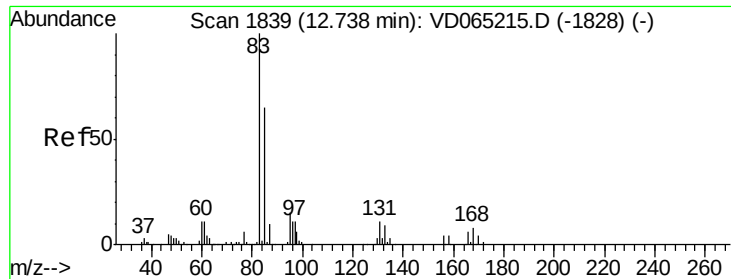
MMDadoda
2/27/2020 11:39:26 AM



#74
N-ethyl acetate
Concen: 52.435 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion: 43 Resp: 236938
Ion Ratio Lower Upper
43 100
70 44.7 33.7 50.5
55 27.2 20.7 31.1
61 25.2 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 50.435 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 83 Resp: 185106
Ion Ratio Lower Upper

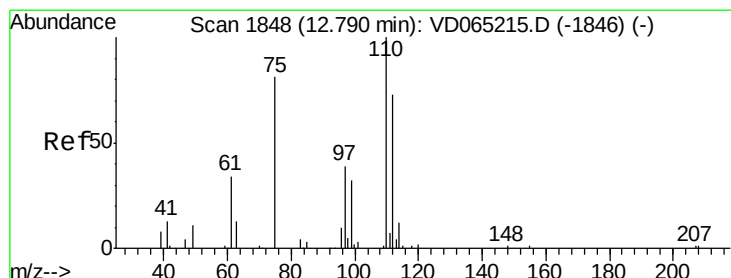
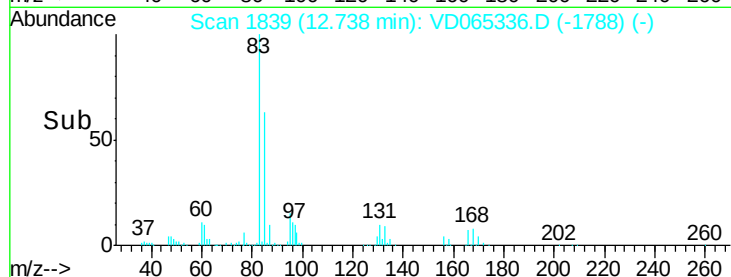
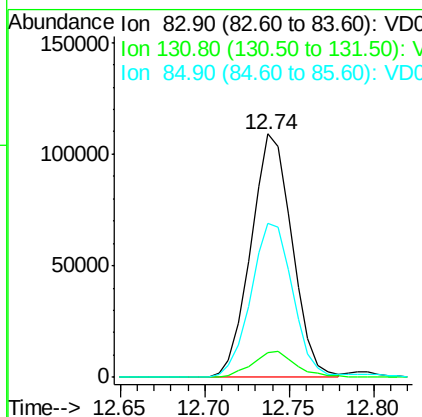
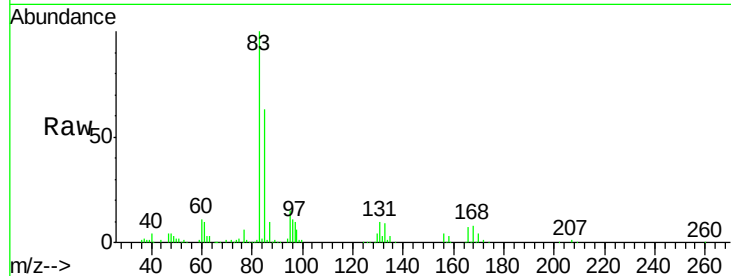
83 100

131 11.2 5.4 16.2

85 65.6 31.6 94.8

Manual Integrations
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MMDadoda
2/27/2020 11:39:26 AM



#76

1,2,3-Trichloropropane

Concen: 47.629 ug/l m

RT: 12.79 min Scan# 1848

Delta R.T. 0.00 min

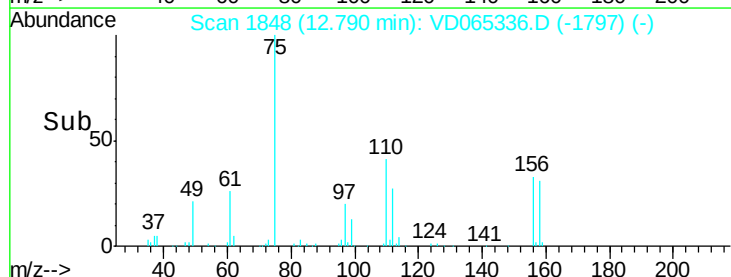
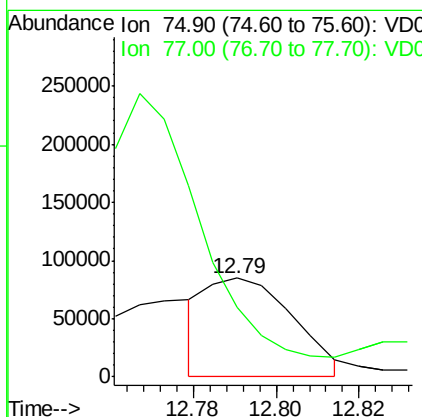
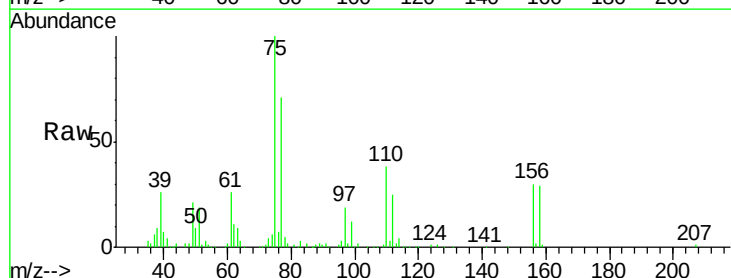
Lab File: VD065336.D

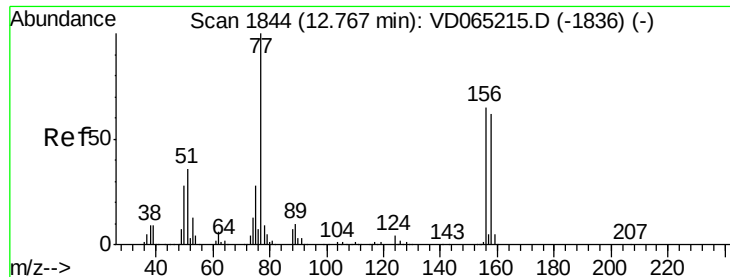
Acq: 26 Feb 2020 19:06

Tgt Ion: 75 Resp: 124477
Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 52.200 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

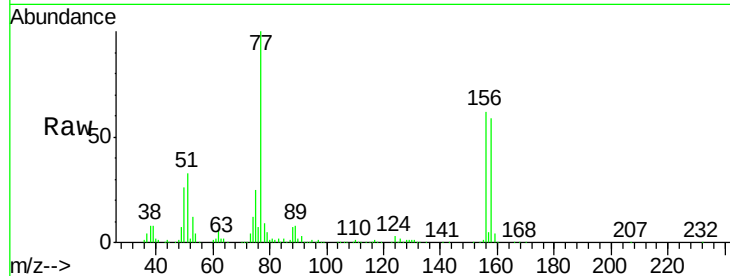
ClientSampleId :

VSTDCCC050EC

Tot Ion:	156	Resp:	263597
Ion Ratio	Lower	Upper	
156	100		
77	174.3	86.6	259.7
158	96.9	48.1	144.3

Manual Integrations
APPROVED

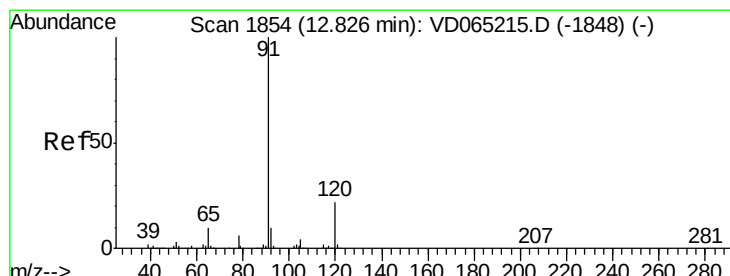
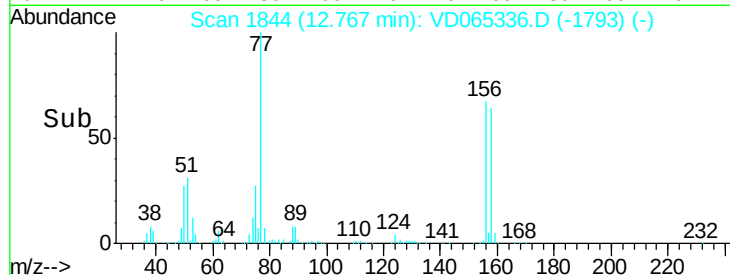
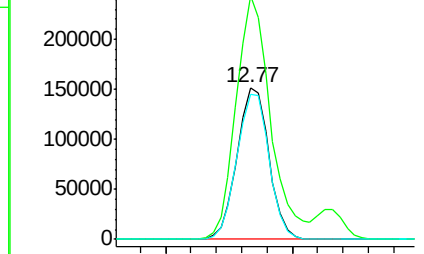
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.569 ug/l

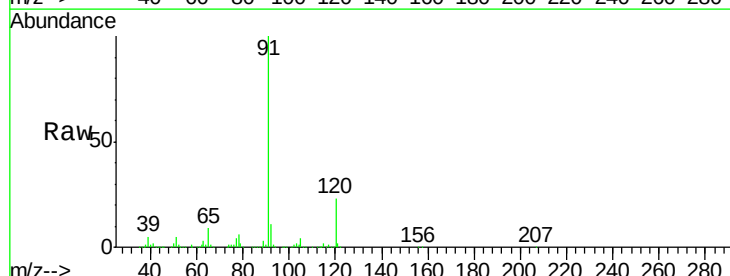
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065336.D

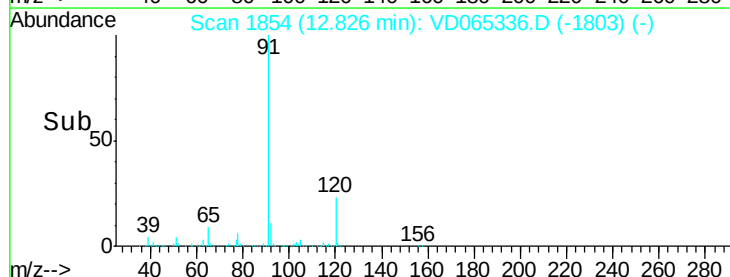
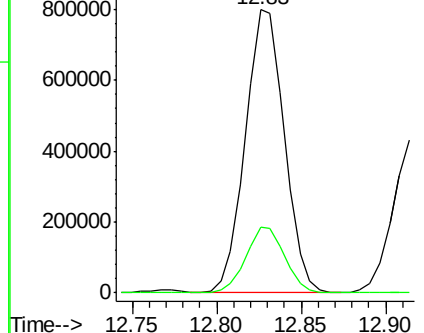
Acq: 26 Feb 2020 19:06

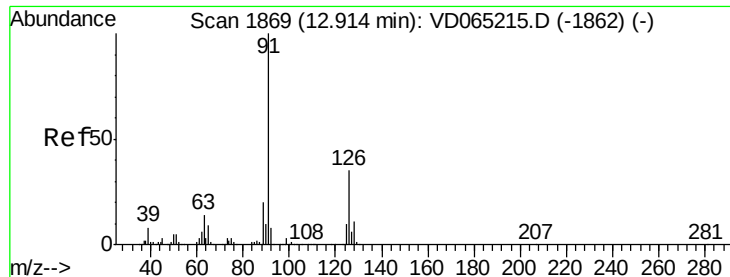
Tgt Ion:	91	Resp:	1284678
Ion Ratio	Lower	Upper	
91	100		
120	23.0	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.122 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 91 Resp: 713560

Ion Ratio Lower Upper

91 100

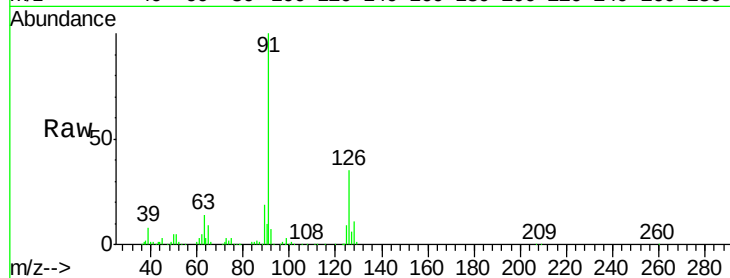
126 34.9 17.5 52.6

Manual Integrations

APPROVED

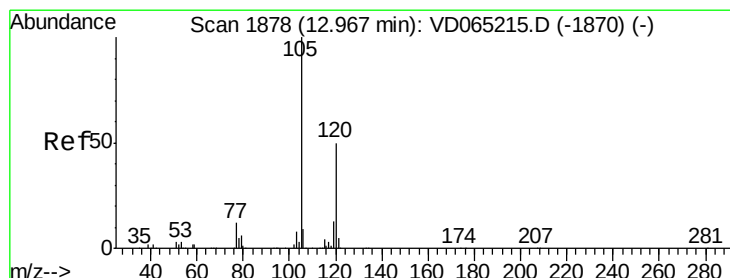
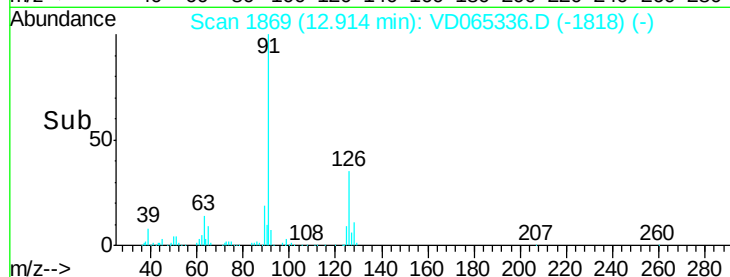
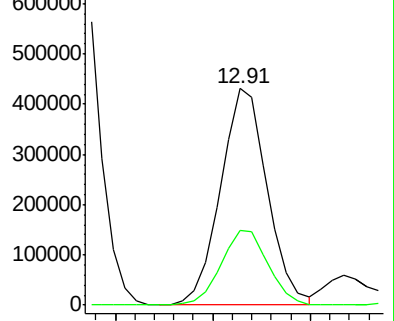
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.923 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065336.D

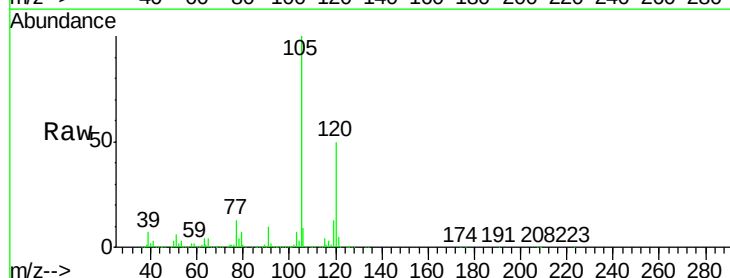
Acq: 26 Feb 2020 19:06

Tgt Ion: 105 Resp: 886406

Ion Ratio Lower Upper

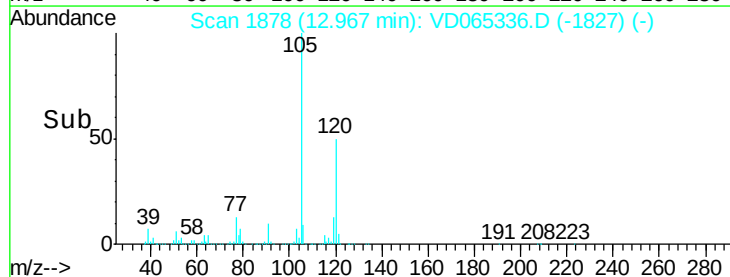
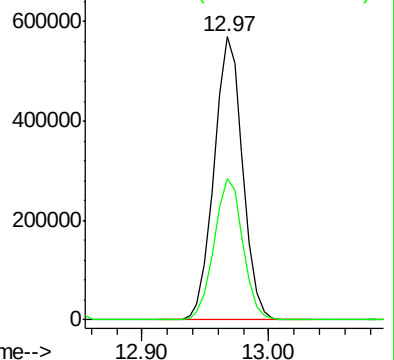
105 100

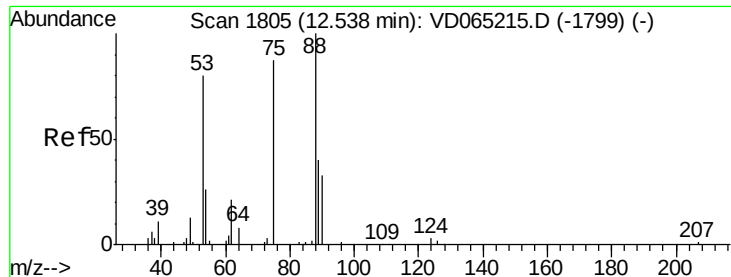
120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.973 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

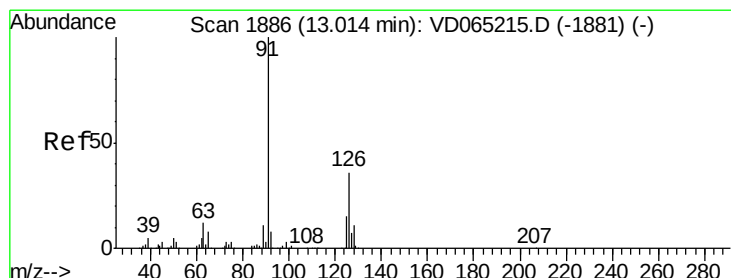
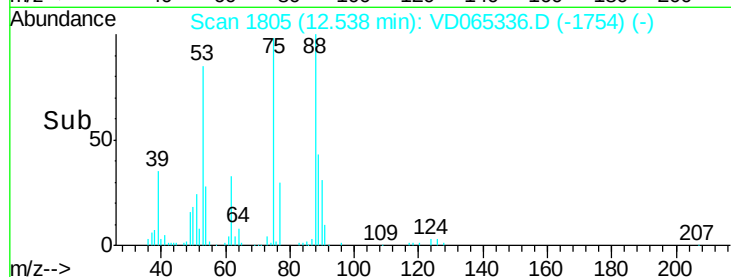
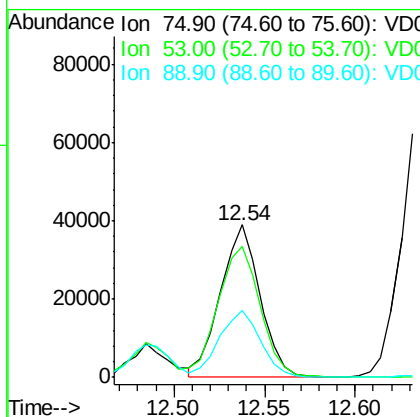
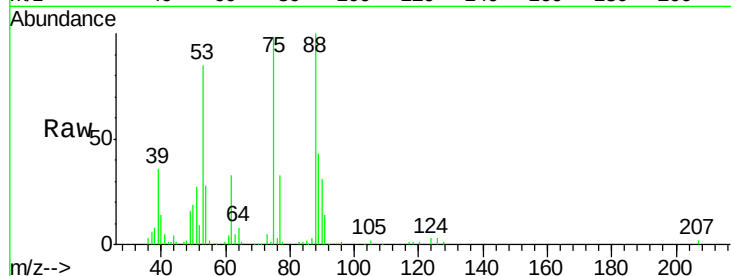
ClientSampleId :

VSTDCCC050EC

Tot Ion:	75	Resp:	59277
Ion	Ratio	Lower	Upper
75	100		
53	92.4	77.6	116.4
89	45.9	37.2	55.8

Manual Integrations
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#82

4-Chlorotoluene

Concen: 52.233 ug/l

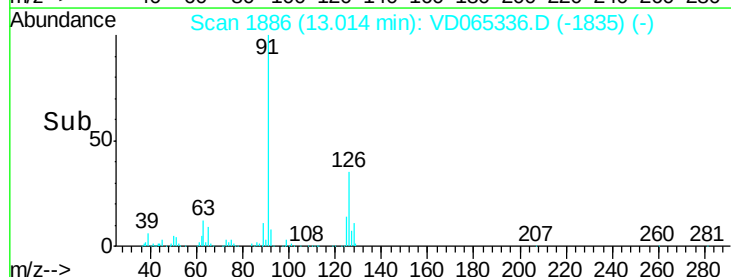
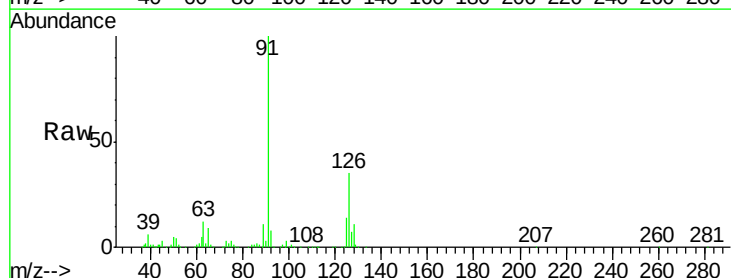
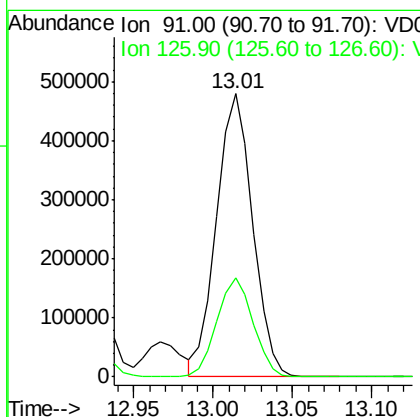
RT: 13.01 min Scan# 1886

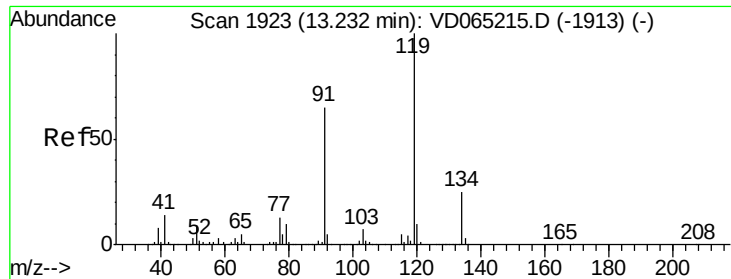
Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Tgt Ion:	91	Resp:	759165
Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3





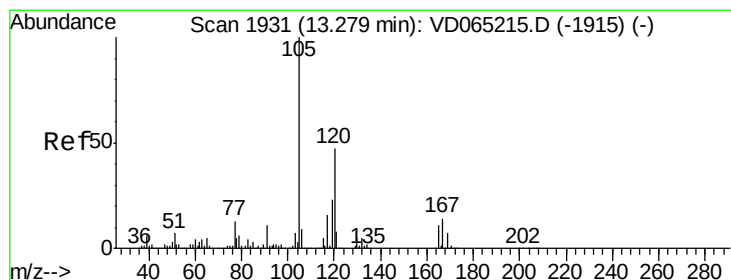
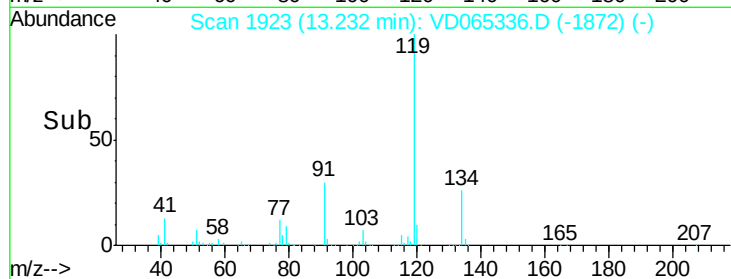
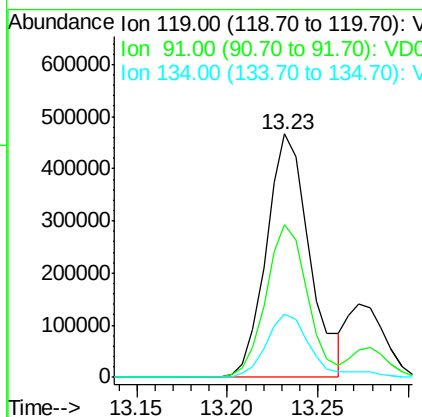
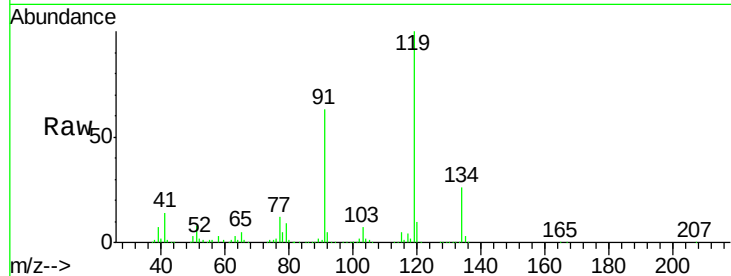
#83
 tert-Butylbenzene
 Concen: 55.106 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.7	31.9	95.5
134	27.1	13.8	41.3

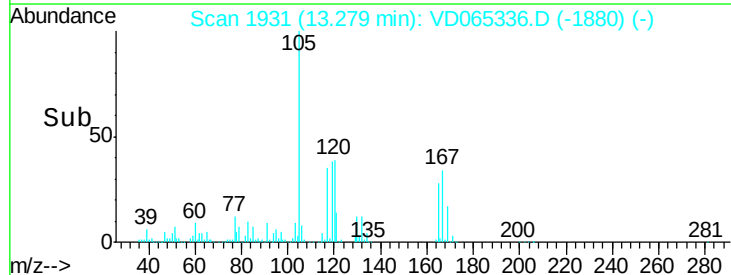
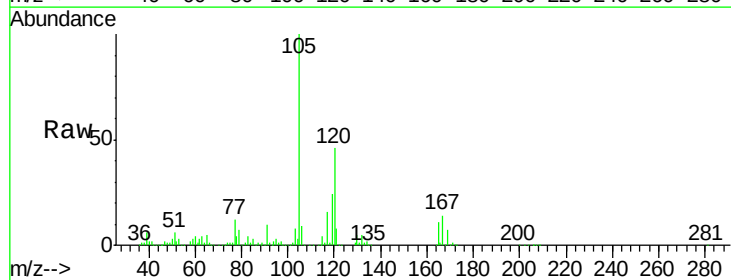
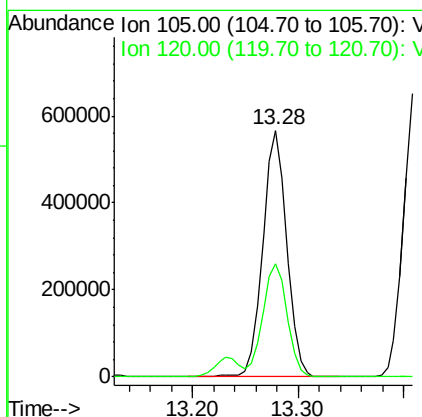
Manual Integrations
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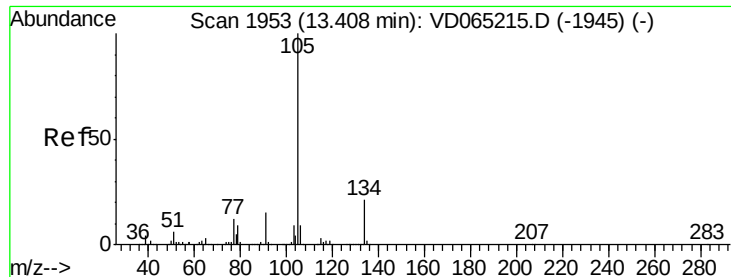
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.264 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.3	69.9





#85

sec-Butylbenzene

Concen: 51.719 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion:105 Resp: 1046163

Ion Ratio Lower Upper

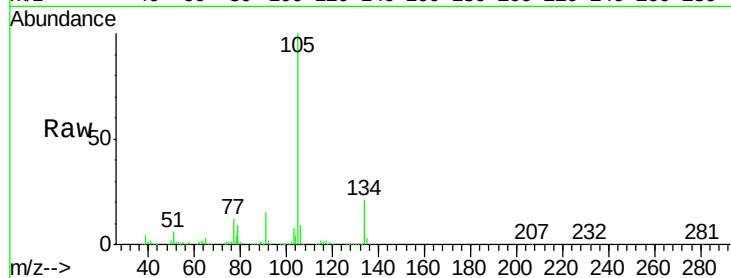
105 100

134 21.0 10.3 30.9

Manual Integrations
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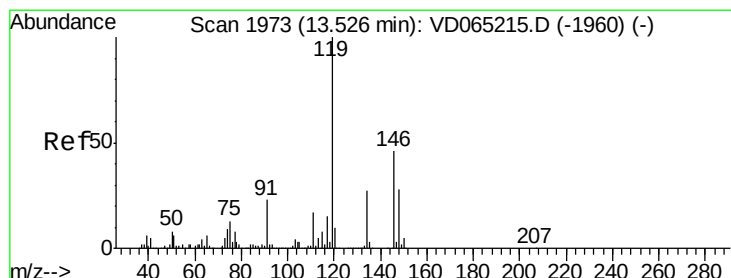
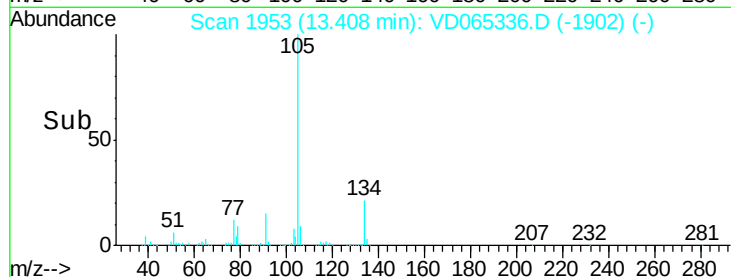
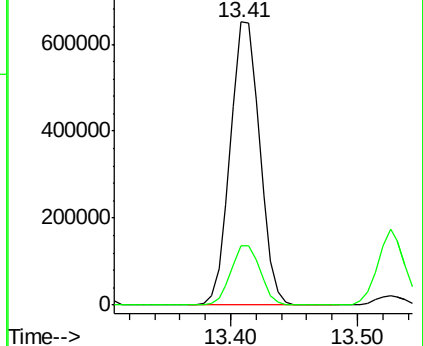
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.046 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065336.D

Acq: 26 Feb 2020 19:06

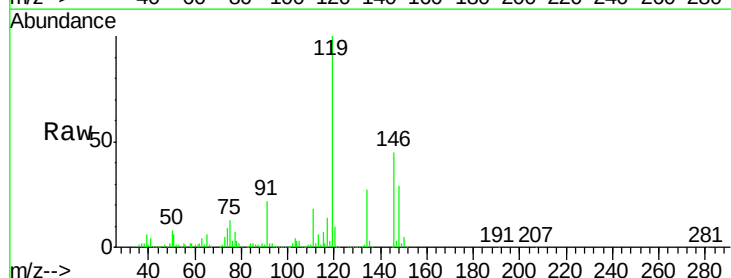
Tgt Ion:119 Resp: 981260

Ion Ratio Lower Upper

119 100

134 26.5 13.3 39.8

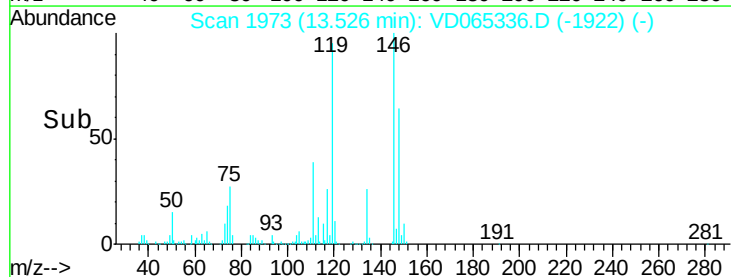
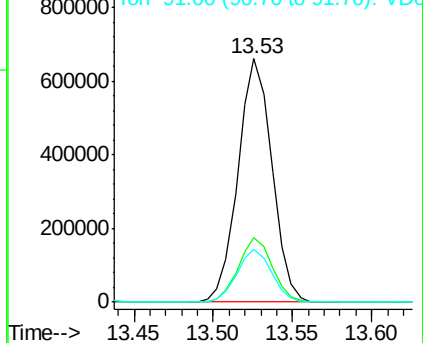
91 21.9 11.1 33.1

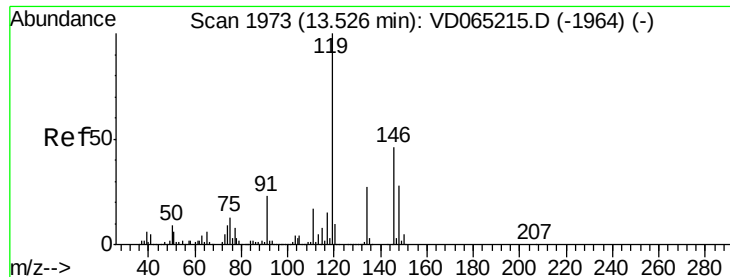


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





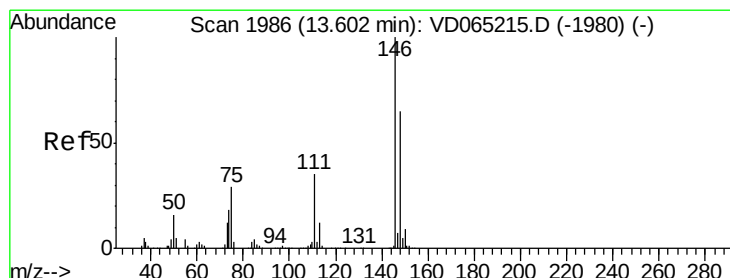
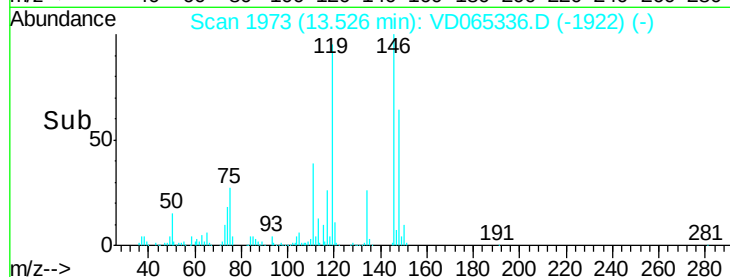
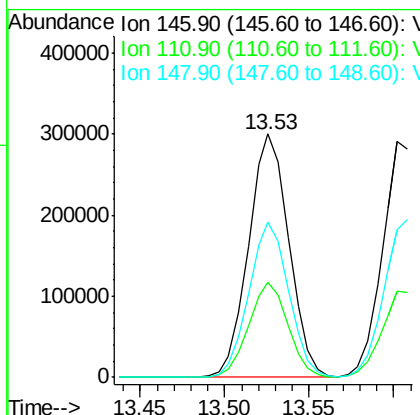
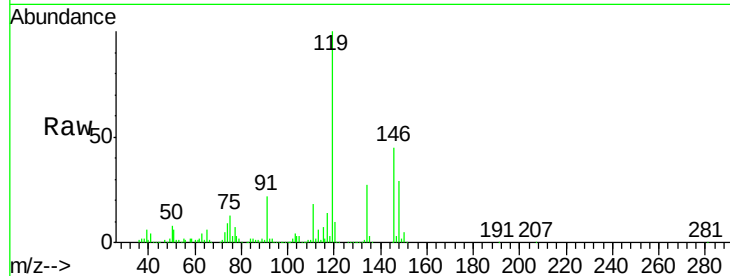
#87
 1,3-Dichlorobenzene
 Concen: 50.972 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.0	18.6	55.8
148	63.1	31.4	94.3

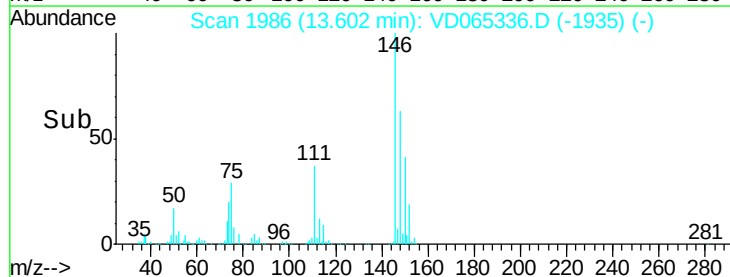
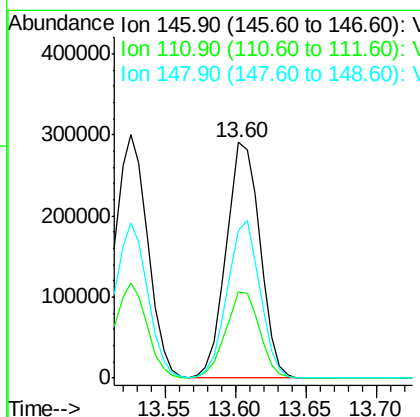
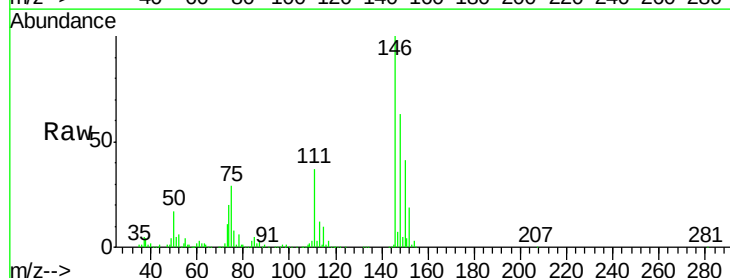
Manual Integrations
 APPROVED

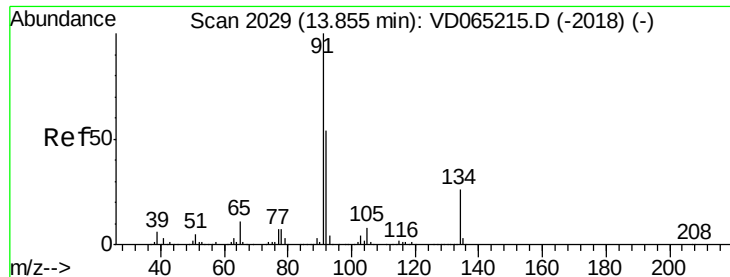
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#88
 1,4-Dichlorobenzene
 Concen: 50.613 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.8	18.4	55.2
148	64.6	32.1	96.5





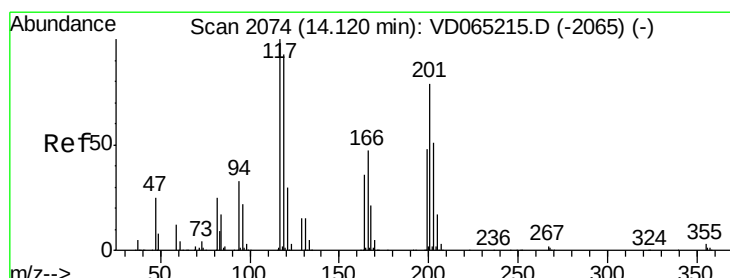
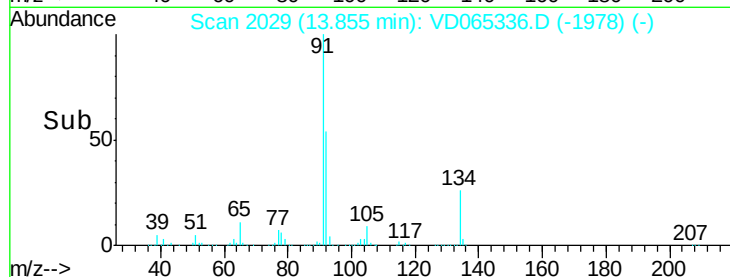
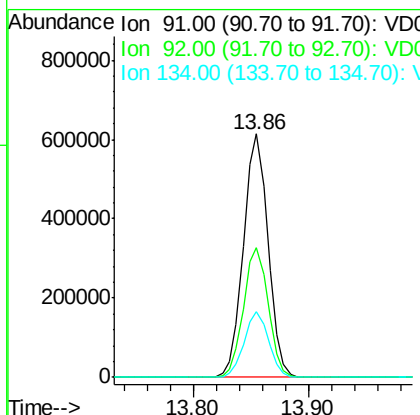
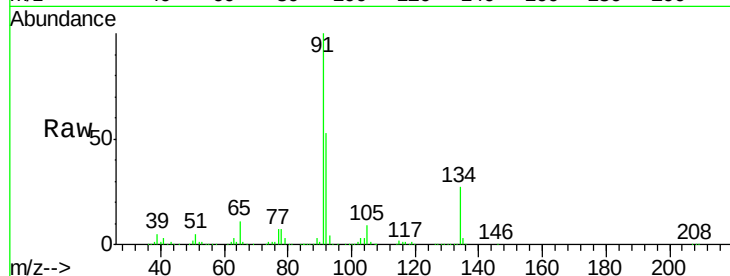
#89
n-Butylbenzene
Concen: 53.268 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.0	80.8
134	26.9	13.5	40.4

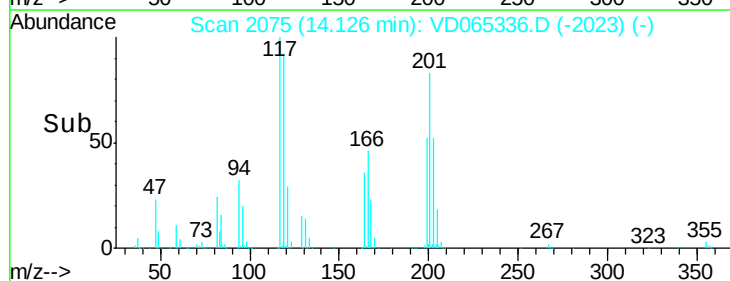
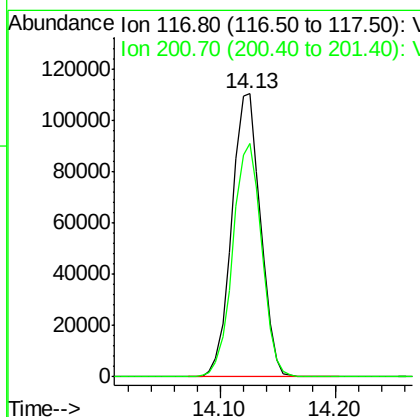
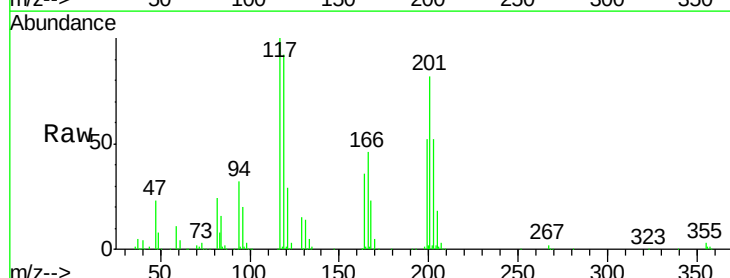
Manual Integrations
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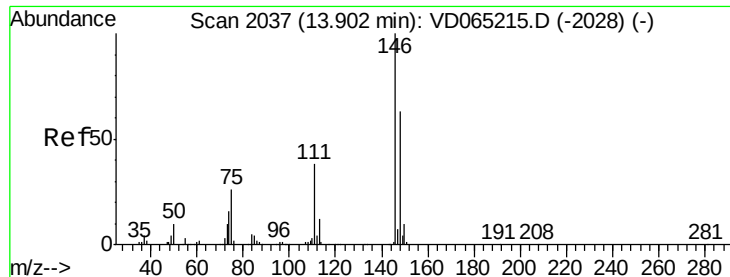
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#90
Hexachloroethane
Concen: 50.744 ug/l
RT: 14.13 min Scan# 2075
Delta R.T. 0.01 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
117	100		
201	82.5	41.3	124.1





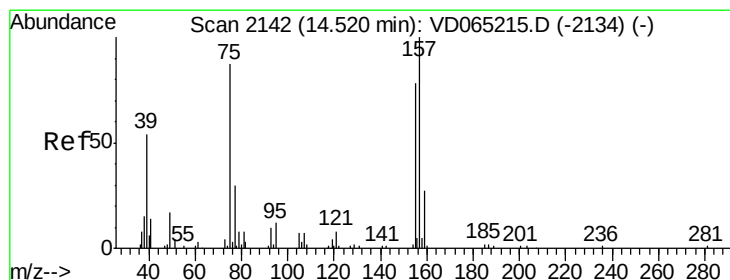
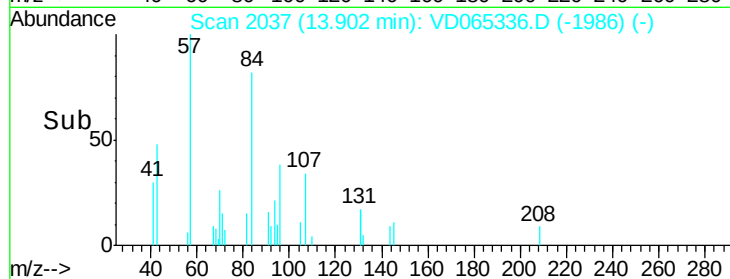
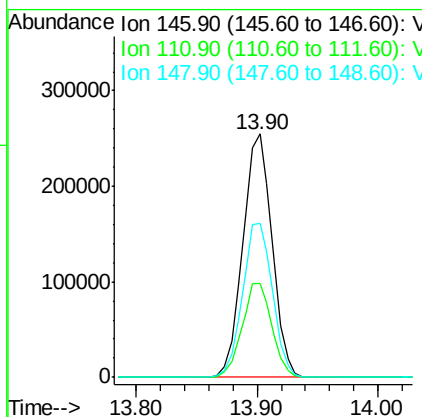
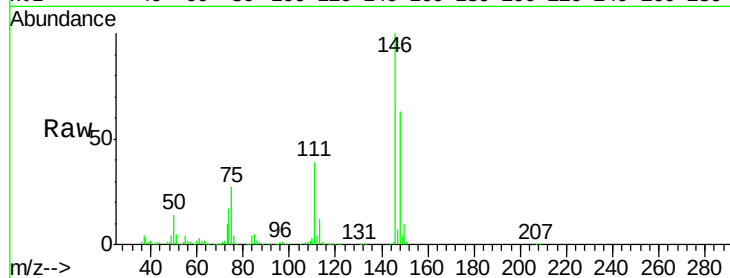
#91
 1,2-Dichlorobenzene
 Concen: 51.403 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	19.7	59.0
148	64.8	32.0	96.2

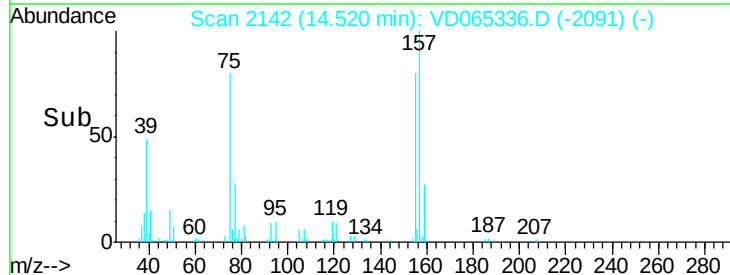
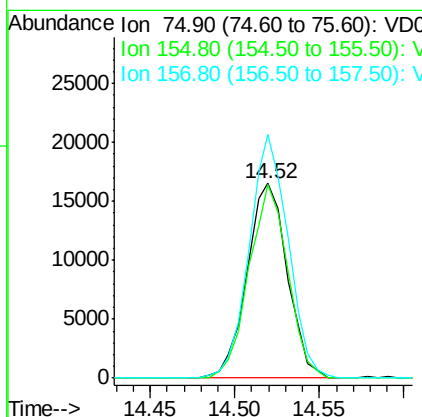
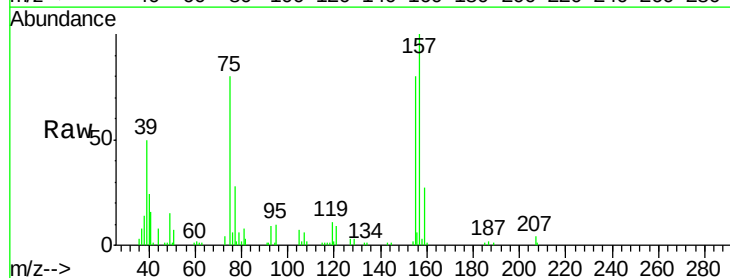
Manual Integrations
 APPROVED

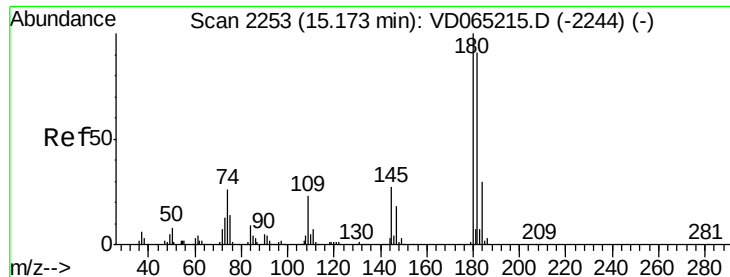
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.463 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.4	42.3	126.9
157	120.7	56.7	170.1





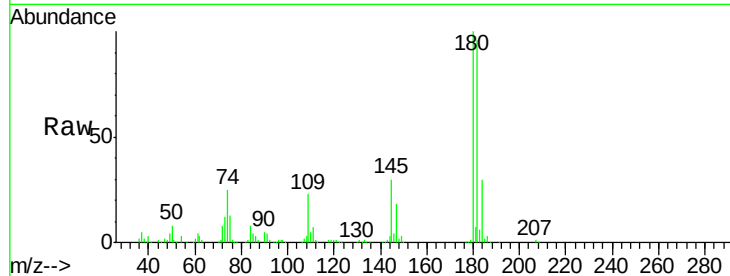
#93
 1,2,4-Trichlorobenzene
 Concen: 54.633 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

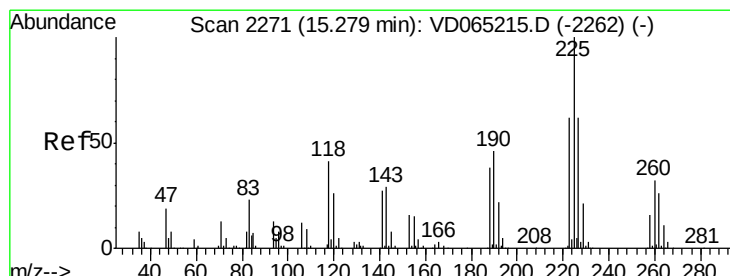
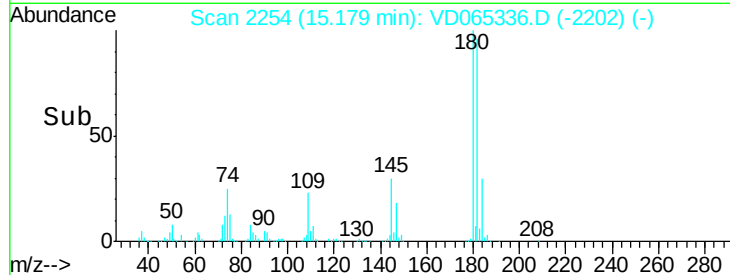
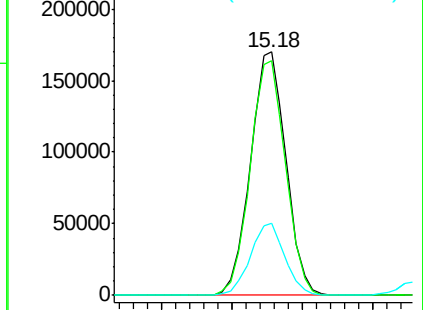
Tot Ion	Ratio	Resp	Lower	Upper
180	100	299545		
182	96.1	46.9	140.6	
145	28.7	13.9	41.7	

Manual Integrations
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MMDadoda
 2/27/2020 11:39:26 AM

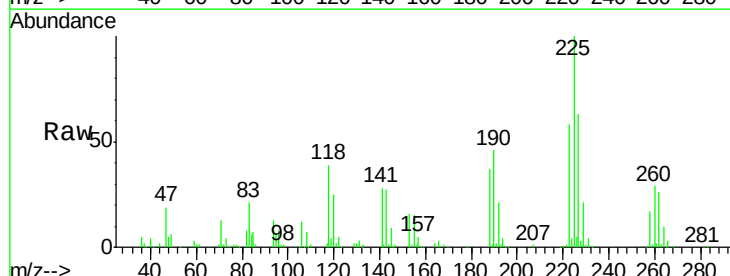


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

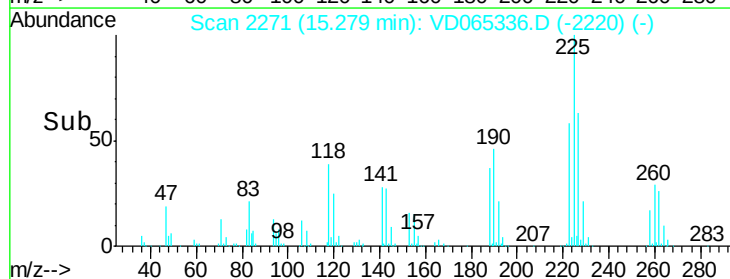
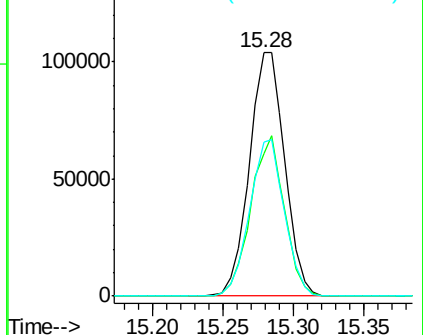


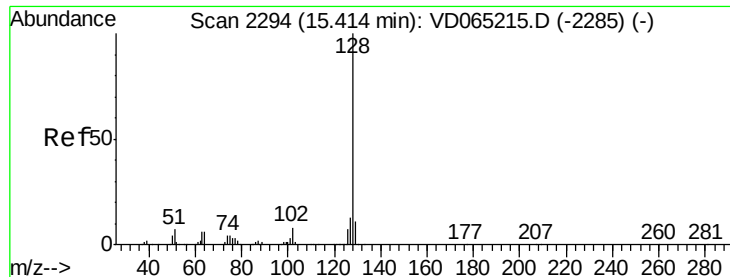
#94
 Hexachlorobutadiene
 Concen: 52.018 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065336.D
 Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	182958		
223	62.4	31.4	94.2	
227	63.2	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





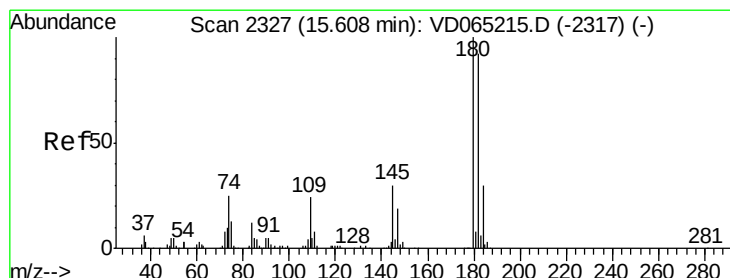
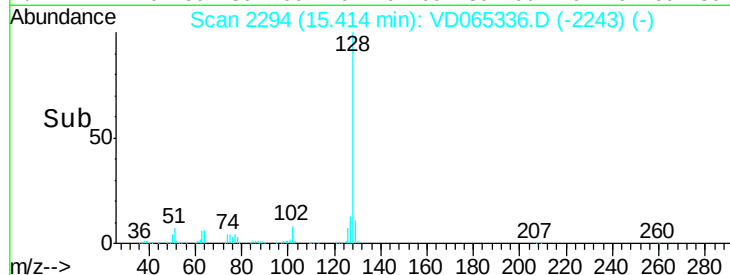
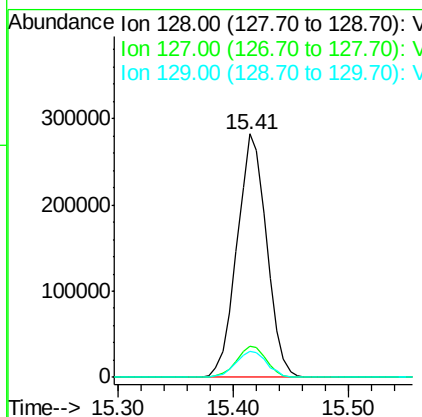
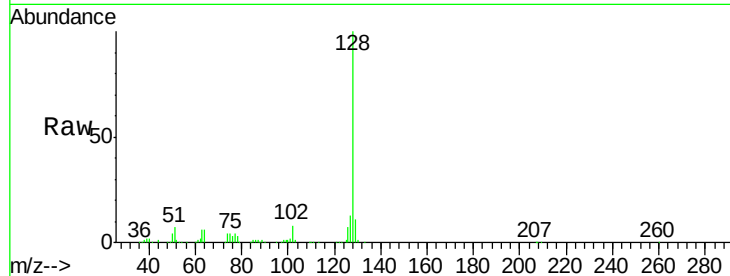
#95
Naphthalene
Concen: 56.367 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.1	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 55.053 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065336.D
Acq: 26 Feb 2020 19:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	46.9	140.6
145	30.3	15.4	46.1

