

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022420\
 Data File : VD065284.D
 Acq On : 24 Feb 2020 10:00
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 2/25/2020 5:15:17 PM

Quant Time: Feb 25 01:28:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D021820S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 19 03:26:54 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	522547	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	758546	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	680170	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	325224	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	207148	44.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.14%	
35) Dibromofluoromethane	7.92	113	227475	49.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.36%	
50) Toluene-d8	10.34	98	890177	50.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.68%	
62) 4-Bromofluorobenzene	12.64	95	281882	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	229453	52.353	ug/l	99
3) Chloromethane	2.21	50	267300	47.916	ug/l	99
4) Vinyl Chloride	2.36	62	272520	48.041	ug/l	97
5) Bromomethane	2.77	94	154048	44.915	ug/l	97
6) Chloroethane	2.93	64	166959	48.218	ug/l	93
7) Trichlorofluoromethane	3.27	101	399313	49.168	ug/l	99
8) Diethyl Ether	3.71	74	117851	48.074	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.09	101	259743	50.645	ug/l	99
10) Methyl Iodide	4.30	142	278721	52.341	ug/l	100
11) Tert butyl alcohol	5.24	59	60482	215.310	ug/l	97
12) 1,1-Dichloroethene	4.06	96	247067	50.996	ug/l	96
13) Acrolein	3.93	56	86851	252.728	ug/l	99
14) Allyl chloride	4.71	41	393365	49.999	ug/l	98
15) Acrylonitrile	5.43	53	251809	232.007	ug/l	99
16) Acetone	4.17	43	339747	295.657	ug/l	99
17) Carbon Disulfide	4.40	76	804131	49.507	ug/l	99
18) Methyl Acetate	4.73	43	113646	43.973	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	494135	48.909	ug/l	97
20) Methylene Chloride	4.96	84	260234	50.959	ug/l	97
21) trans-1,2-Dichloroethene	5.47	96	277029	50.299	ug/l	97
22) Diisopropyl ether	6.37	45	755013	49.781	ug/l	98
23) Vinyl Acetate	6.31	43	2069573	247.516	ug/l	100
24) 1,1-Dichloroethane	6.27	63	452452	48.095	ug/l	97
25) 2-Butanone	7.22	43	365126	251.137	ug/l	98
26) 2,2-Dichloropropane	7.21	77	407573	49.934	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	285289	48.901	ug/l	99
28) Bromochloromethane	7.55	49	169739	48.634	ug/l	100
29) Tetrahydrofuran	7.57	42	198025	232.459	ug/l	99
30) Chloroform	7.71	83	455841	48.096	ug/l	96
31) Cyclohexane	7.98	56	453623	49.077	ug/l	99
32) 1,1,1-Trichloroethane	7.90	97	420360	49.572	ug/l	99
36) 1,1-Dichloropropene	8.11	75	380474	51.550	ug/l	99
37) Ethyl Acetate	7.30	43	136916	44.375	ug/l	98
38) Carbon Tetrachloride	8.10	117	383180	50.999	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	482233	55.576	ug/l	98
40) Benzene	8.36	78	1052436	50.518	ug/l	99
41) Methacrylonitrile	7.53	41	83212	46.708	ug/l	94
42) 1,2-Dichloroethane	8.43	62	266640	46.557	ug/l	100
43) Isopropyl Acetate	8.46	43	261166	46.547	ug/l	98
44) Trichloroethene	9.11	130	296769	51.391	ug/l	96
45) 1,2-Dichloropropane	9.39	63	261339	50.449	ug/l	98
46) Dibromomethane	9.48	93	128795	48.322	ug/l	99
47) Bromodichloromethane	9.67	83	344035	48.979	ug/l	98
48) Methyl methacrylate	9.46	41	126375	48.728	ug/l	95
49) 1,4-Dioxane	9.47	88	27912	892.890	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	694518	243.707	ug/l	100
52) Toluene	10.41	92	681245	52.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	328656	50.479	ug/l	97
54) cis-1,3-Dichloropropene	10.10	75	403959	51.382	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	182975	48.774	ug/l	99
56) Ethyl methacrylate	10.67	69	220841	51.002	ug/l	98
57) 1,3-Dichloropropane	10.95	76	314060	49.188	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	298963	219.000	ug/l	99
59) 2-Hexanone	10.99	43	569087	278.963	ug/l	97
60) Dibromochloromethane	11.14	129	234025	48.739	ug/l	100
61) 1,2-Dibromoethane	11.25	107	175175	49.318	ug/l	98
64) Tetrachloroethene	10.88	164	253143	52.476	ug/l	94
65) Chlorobenzene	11.68	112	699156	51.223	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	254433	49.952	ug/l	99
67) Ethyl Benzene	11.75	91	1270705	53.156	ug/l	99
68) m/p-Xylenes	11.86	106	986403	107.851	ug/l	98
69) o-Xylene	12.18	106	437490	53.992	ug/l	100
70) Styrene	12.20	104	762308	52.988	ug/l	99
71) Bromoform	12.37	173	137076	48.498	ug/l #	99
73) Isopropylbenzene	12.48	105	1215577	56.456	ug/l	100
74) N-amyl acetate	12.30	43	239084	49.972	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	190970	49.144	ug/l	99
76) 1,2,3-Trichloropropane	12.79	75	134891m	48.748	ug/l	
77) Bromobenzene	12.77	156	280418	52.448	ug/l	99
78) n-propylbenzene	12.83	91	1448682	55.988	ug/l	99
79) 2-Chlorotoluene	12.91	91	781614	53.922	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	993216	56.007	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	61618	48.081	ug/l	98
82) 4-Chlorotoluene	13.01	91	821661	53.394	ug/l	100
83) tert-Butylbenzene	13.23	119	869145	58.476	ug/l	97
84) 1,2,4-Trimethylbenzene	13.28	105	975359	54.949	ug/l	100
85) sec-Butylbenzene	13.41	105	1206075	56.314	ug/l	100
86) p-Isopropyltoluene	13.53	119	1113242	56.839	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	534717	51.733	ug/l	98
88) 1,4-Dichlorobenzene	13.60	146	523870	51.353	ug/l	99
89) n-Butylbenzene	13.86	91	1017027	56.351	ug/l	99
90) Hexachloroethane	14.12	117	212396	53.408	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	454978	51.265	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	28896	48.253	ug/l	93

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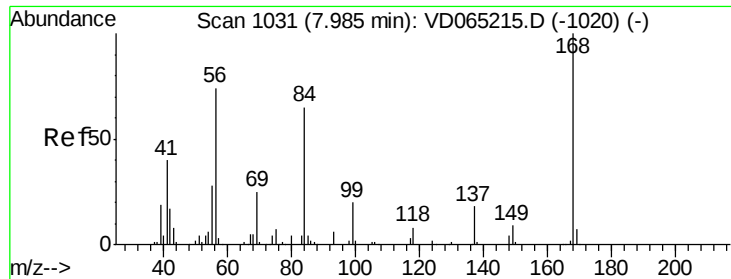
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	316819	54.575	ug/l	97
94) Hexachlorobutadiene	15.28	225	202505	54.379	ug/l	99
95) Naphthalene	15.41	128	513618	54.423	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	270645	53.380	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 522547

Ion Ratio Lower Upper

168 100

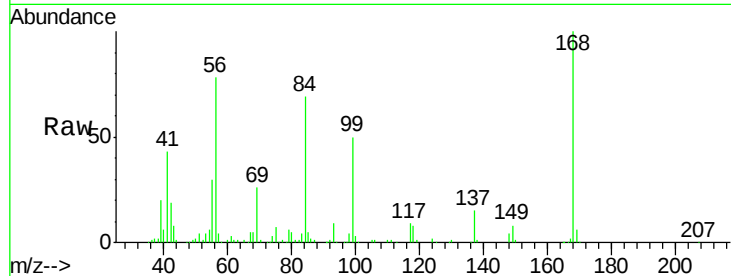
99 50.2 41.4 62.2

Manual Integrations

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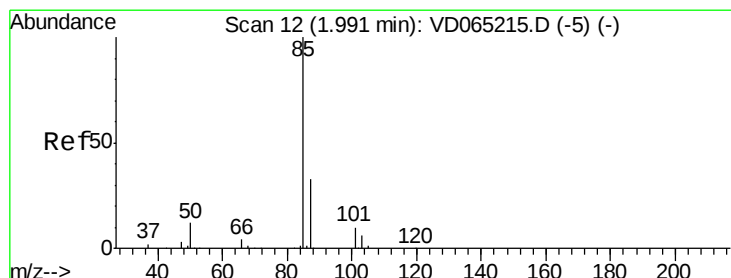
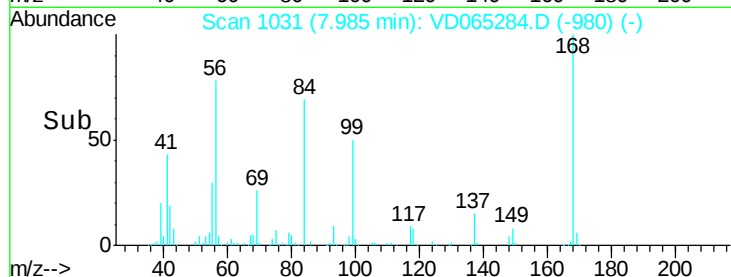
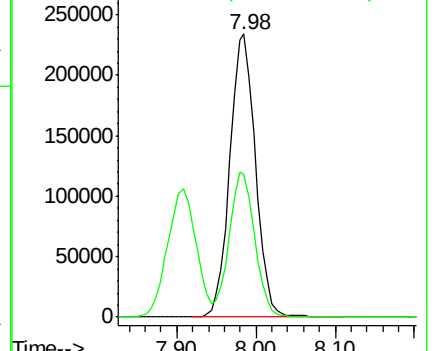
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 52.353 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD065284.D

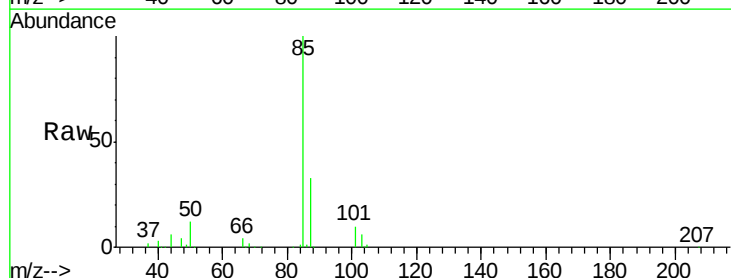
Acq: 24 Feb 2020 10:00

Tgt Ion: 85 Resp: 229453

Ion Ratio Lower Upper

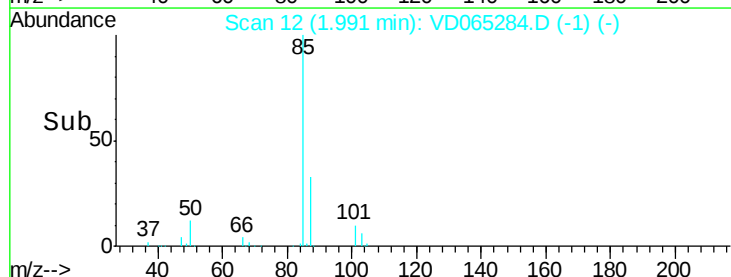
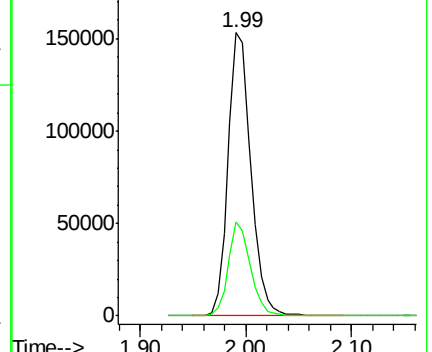
85 100

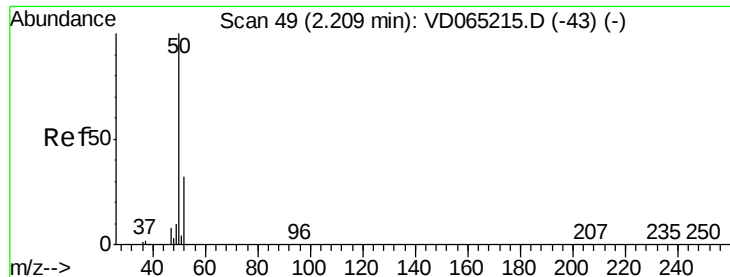
87 33.2 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 47.916 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 267300

Ion Ratio Lower Upper

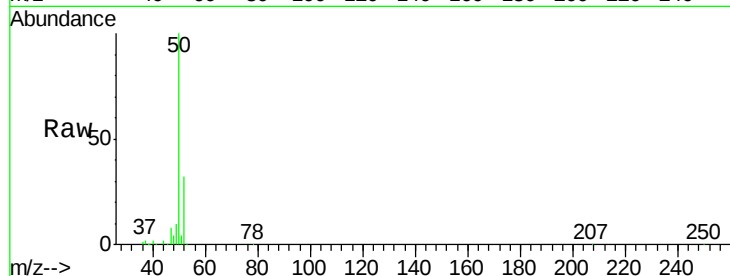
50 100

52 31.5 25.5 38.3

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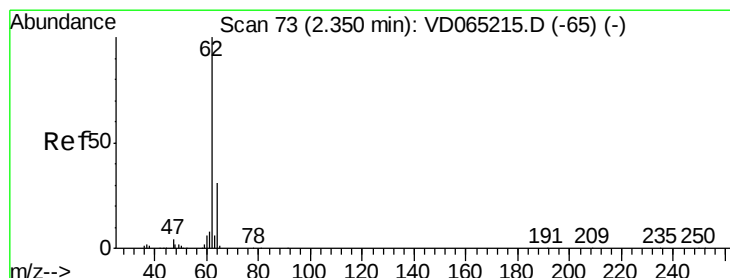
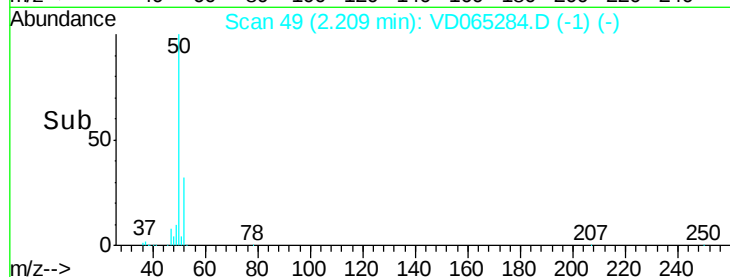
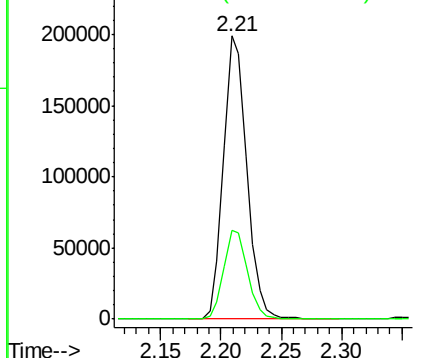
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.041 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065284.D

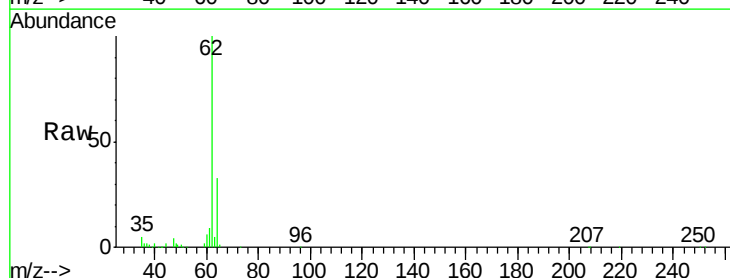
Acq: 24 Feb 2020 10:00

Tgt Ion: 62 Resp: 272520

Ion Ratio Lower Upper

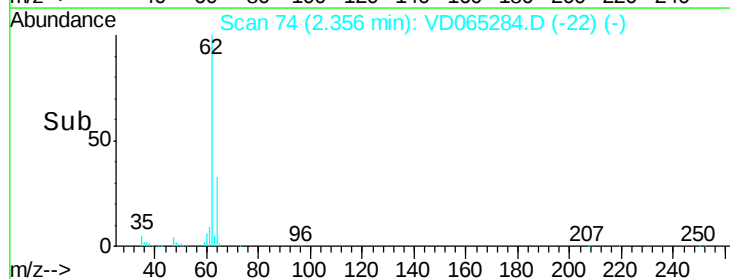
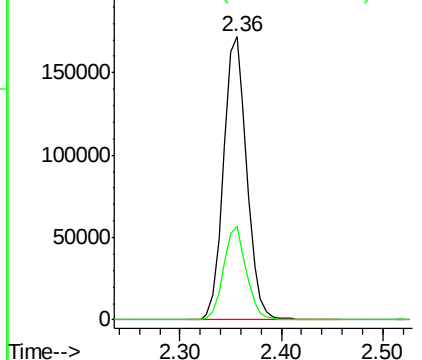
62 100

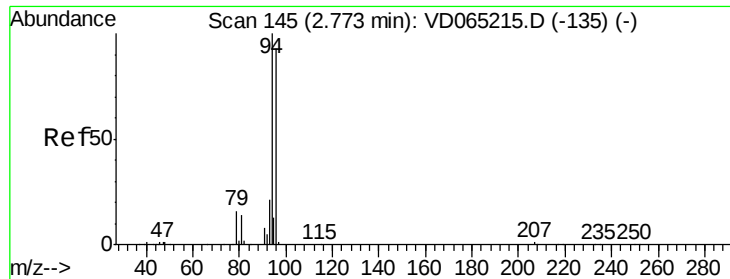
64 33.1 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.915 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 154048

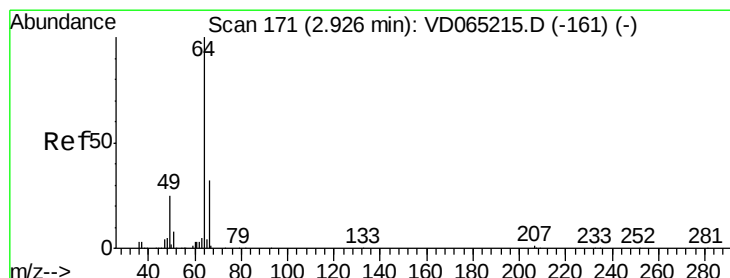
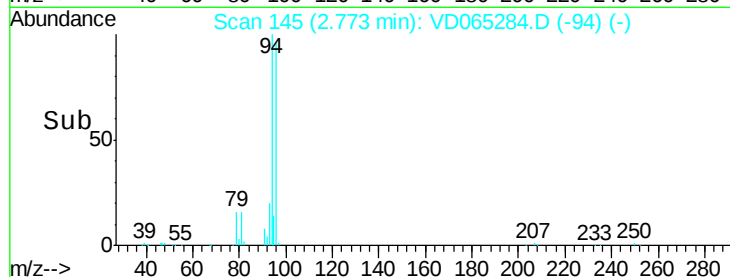
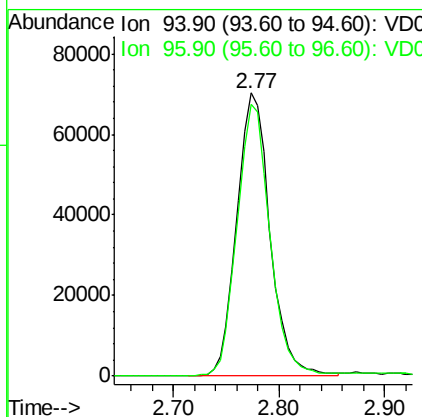
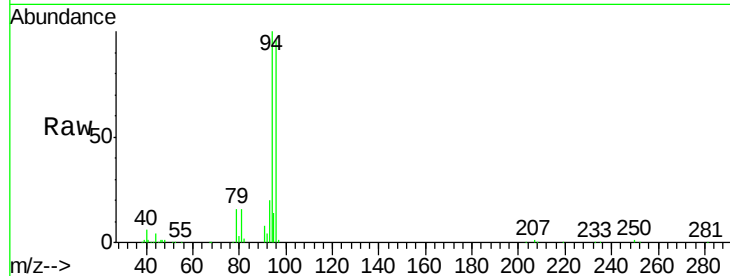
Ion Ratio Lower Upper

94 100

96 96.0 74.2 111.4

Manual Integrations
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#6

Chloroethane

Concen: 48.218 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065284.D

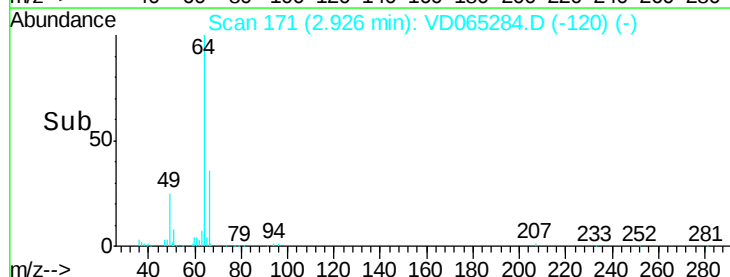
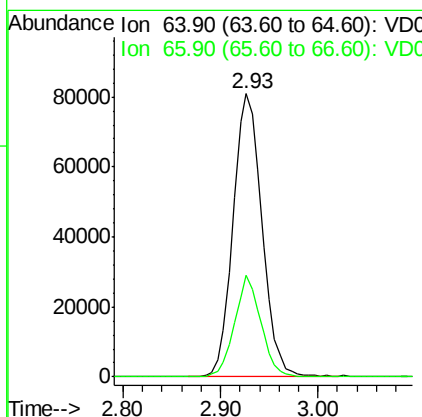
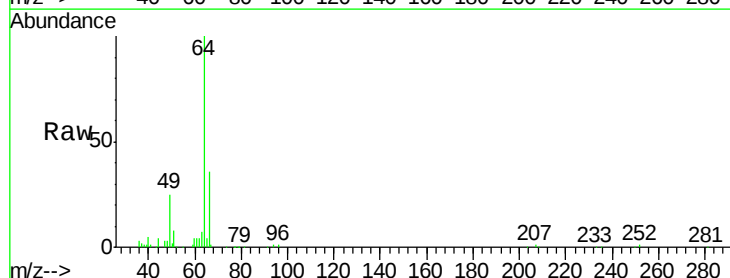
Acq: 24 Feb 2020 10:00

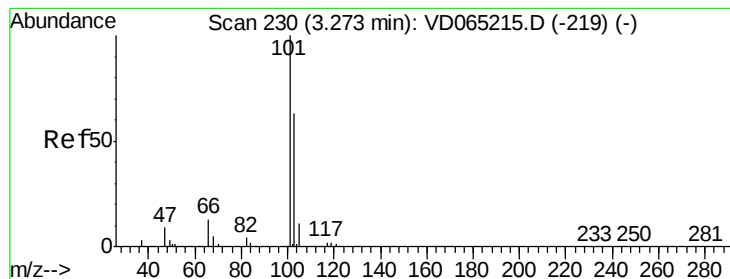
Tgt Ion: 64 Resp: 166959

Ion Ratio Lower Upper

64 100

66 36.0 25.7 38.5





#7

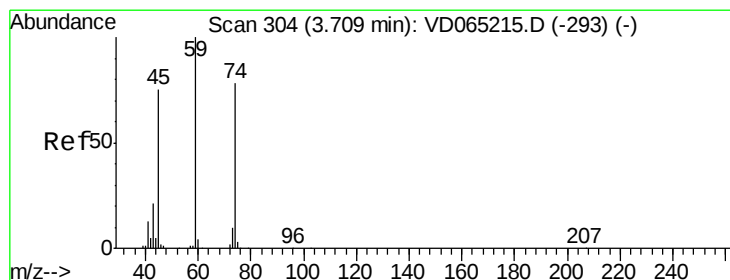
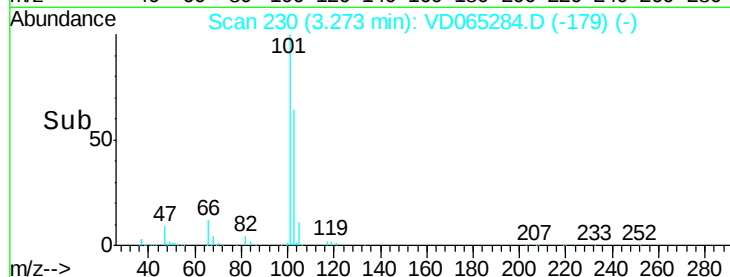
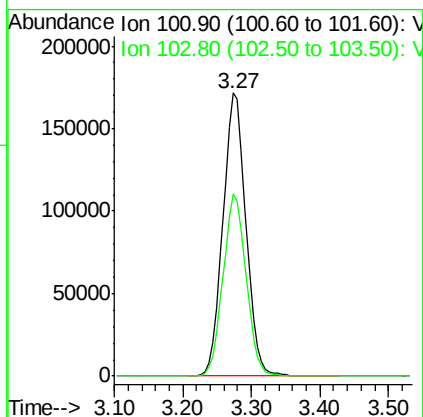
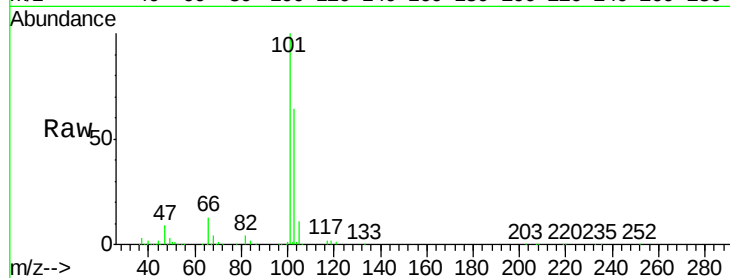
Trichlorofluoromethane
Concen: 49.168 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.7	76.1

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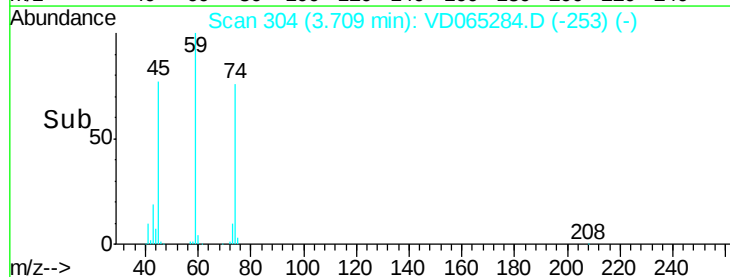
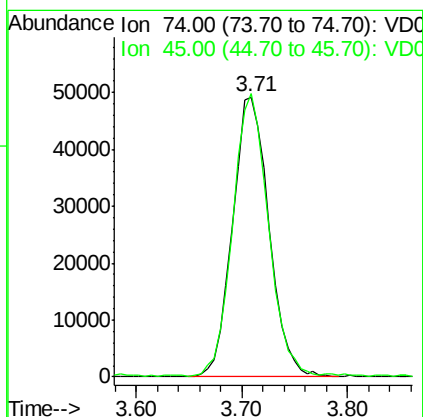
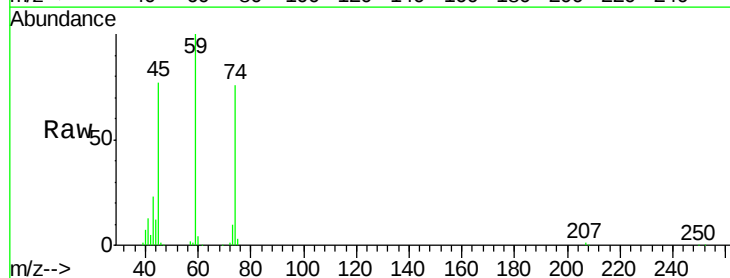
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2/25/2020 5:15:17 PM



#8

Diethyl Ether
Concen: 48.074 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	98.8	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.645 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

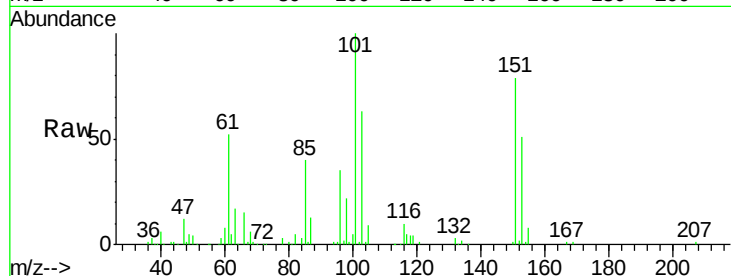
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	259743
Ion Ratio	Lower	Upper	
101	100		
85	41.8	34.2	51.2
151	79.3	63.5	95.3

Manual Integrations
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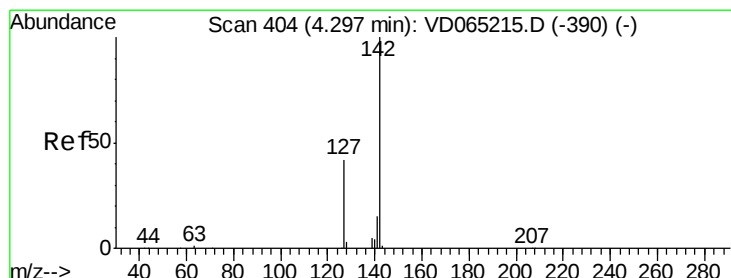
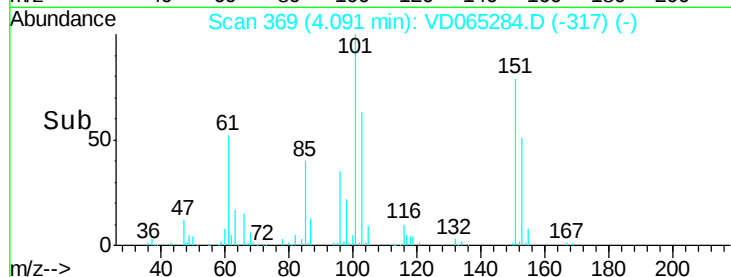
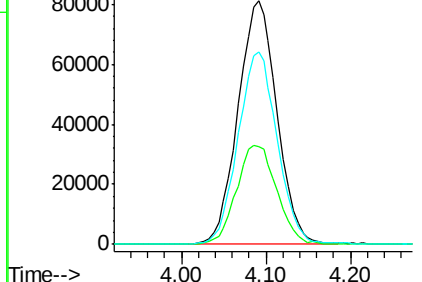
MMDadoda
2/25/2020 5:15:17 PM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 52.341 ug/l

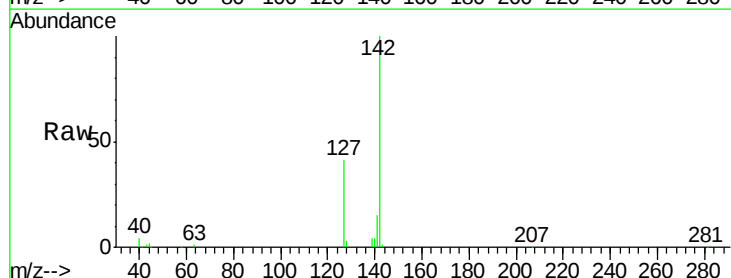
RT: 4.30 min Scan# 404

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

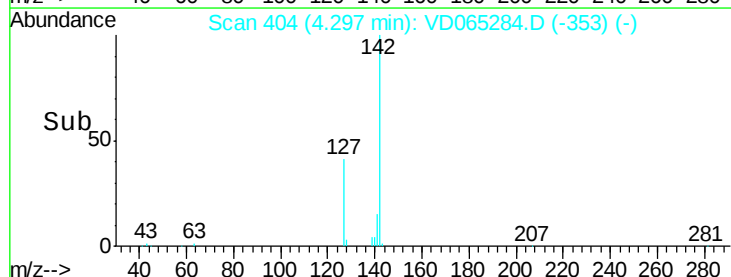
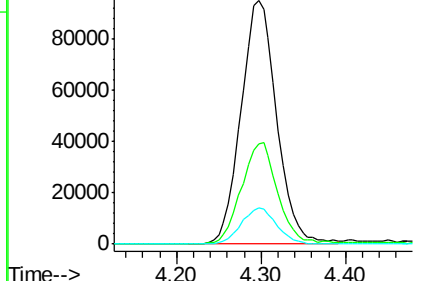
Tgt Ion:	142	Resp:	278721
Ion Ratio	Lower	Upper	
142	100		
127	42.6	33.8	50.8
141	14.8	11.7	17.5

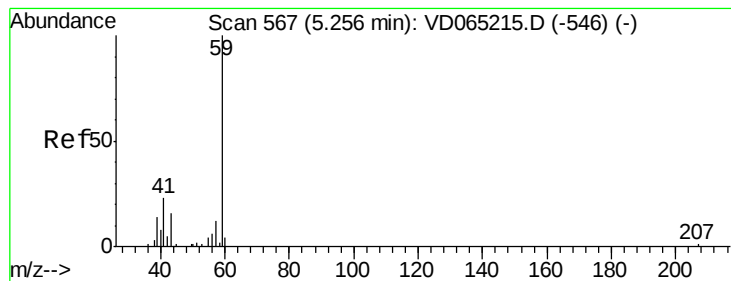


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

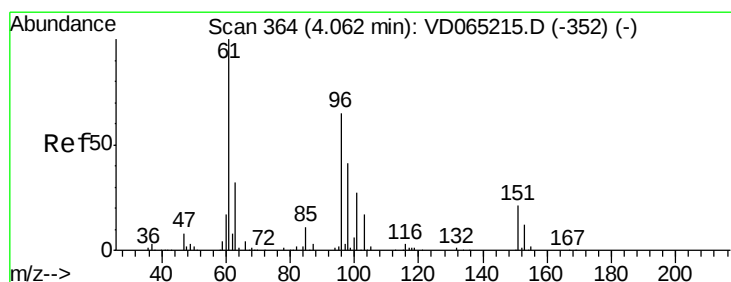
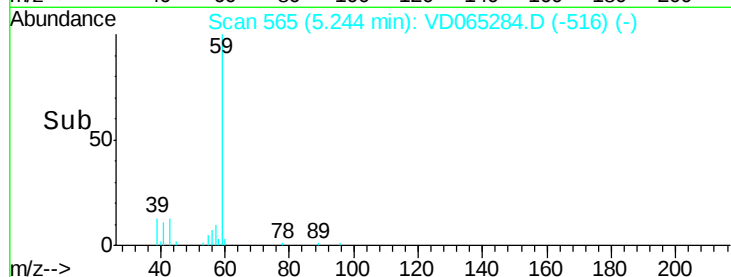
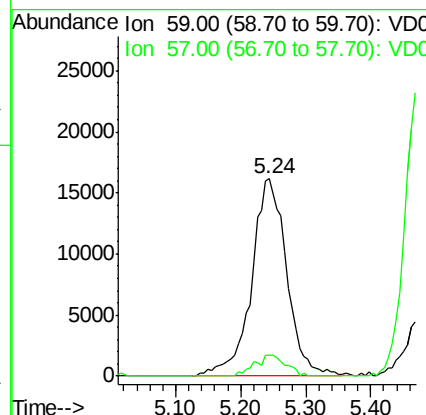
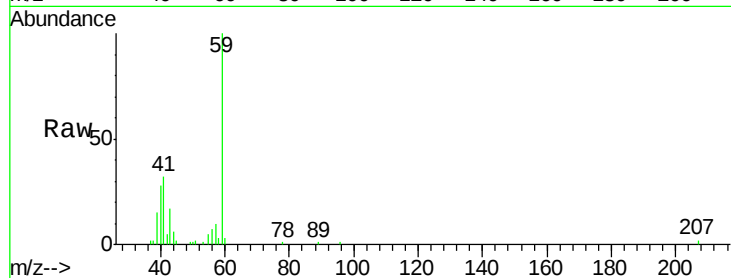
Tert butyl alcohol
Concen: 215.310 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	8.4	12.6

Manual Integrations
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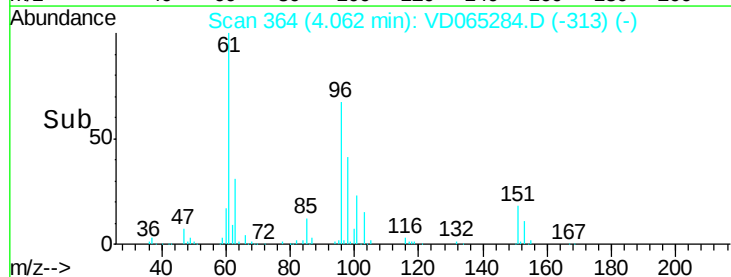
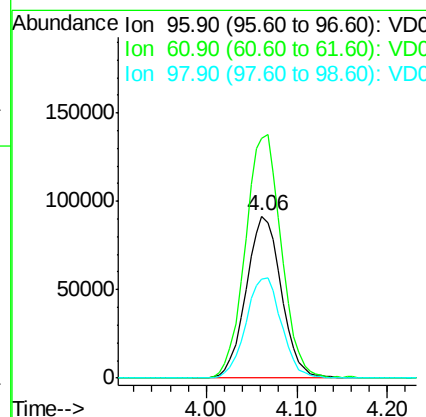
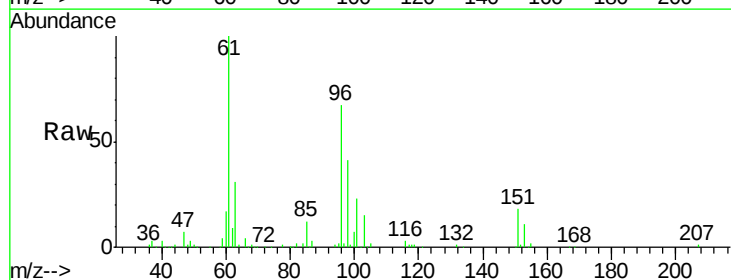
MMDadoda
2/25/2020 5:15:17 PM



#12

1,1-Dichloroethene
Concen: 50.996 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	148.4	123.3	184.9
98	61.4	51.0	76.4





#13

Acrolein

Concen: 252.728 ug/l

RT: 3.93 min Scan# 341

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 86851

Ion Ratio Lower Upper

56 100

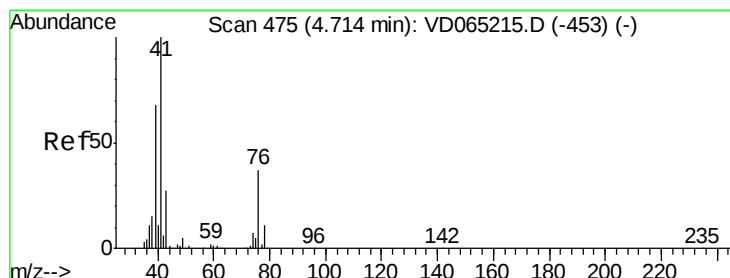
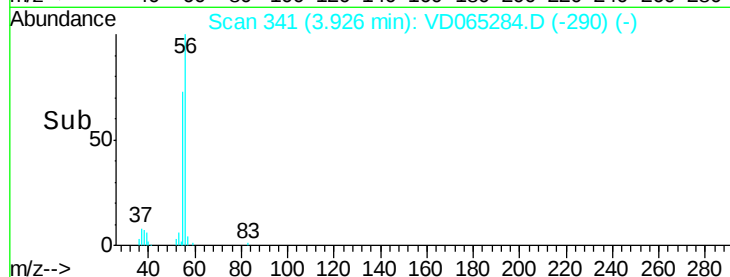
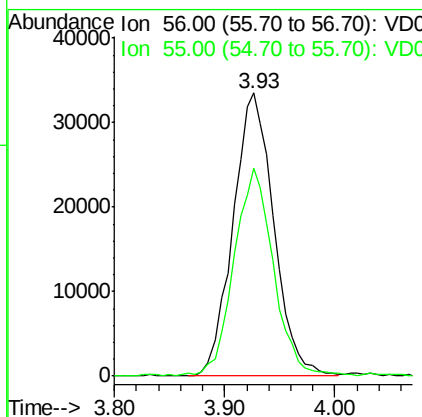
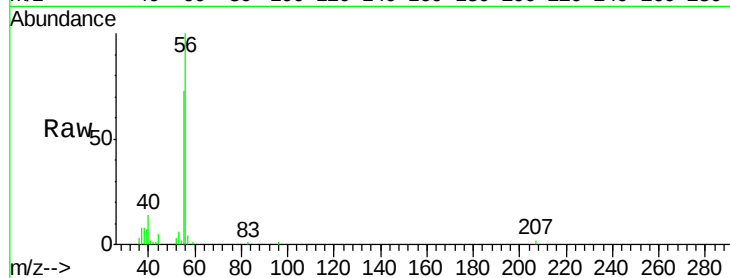
55 71.3 56.6 85.0

Manual Integrations

APPROVED

MMDadoda

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#14

Allyl chloride

Concen: 49.999 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

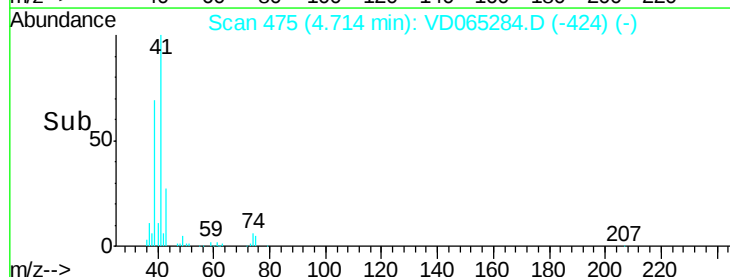
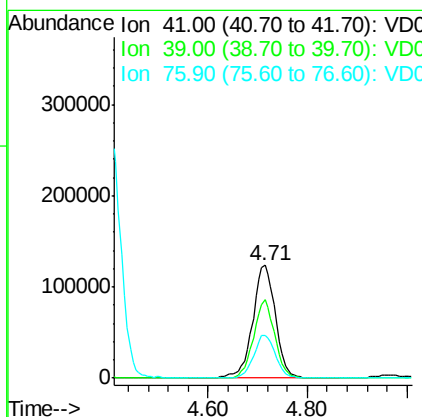
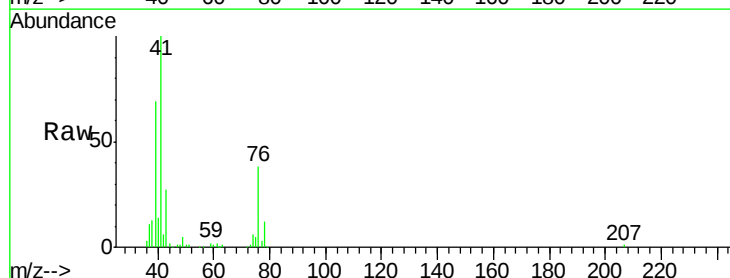
Tgt Ion: 41 Resp: 393365

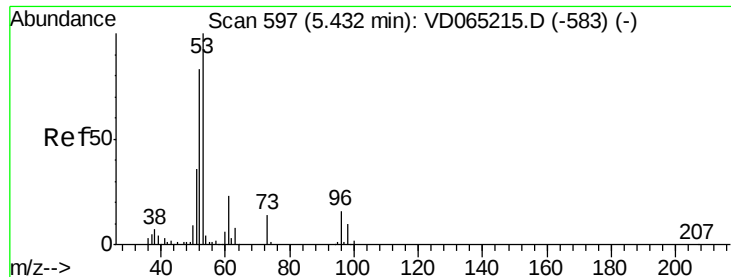
Ion Ratio Lower Upper

41 100

39 64.6 53.8 80.6

76 36.4 28.7 43.1





#15

Acrylonitrile

Concen: 232.007 ug/l

RT: 5.43 min Scan# 596

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

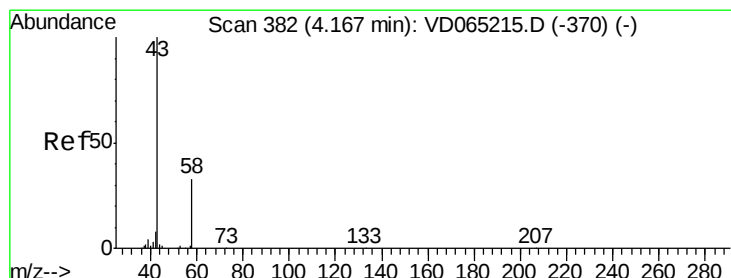
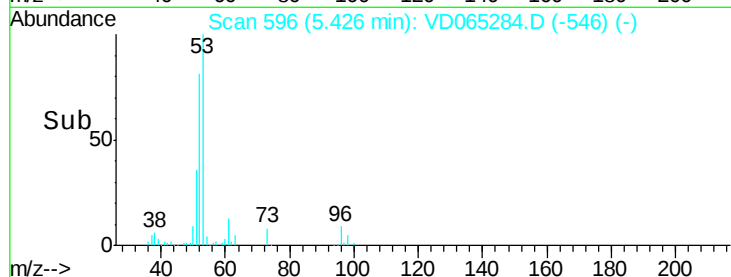
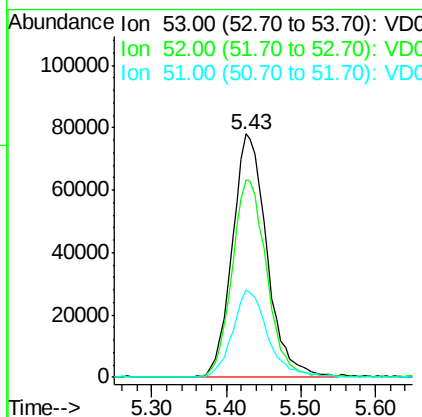
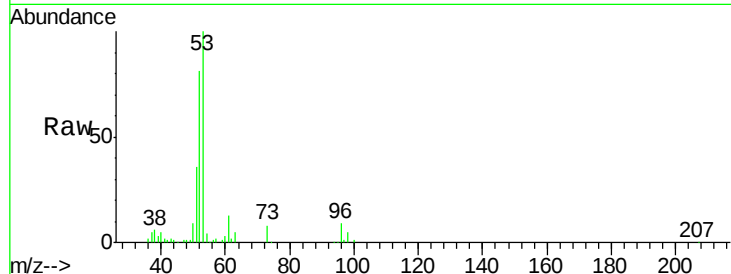
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	251809
Ion Ratio	Lower	Upper	
53	100		
52	81.0	65.4	98.2
51	36.5	29.5	44.3

Manual Integrations
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#16

Acetone

Concen: 295.657 ug/l

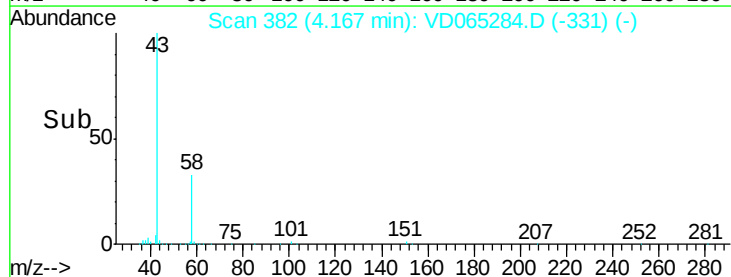
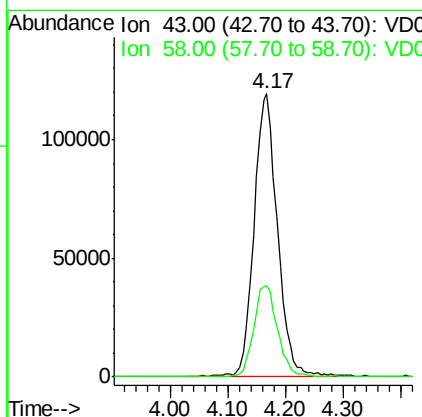
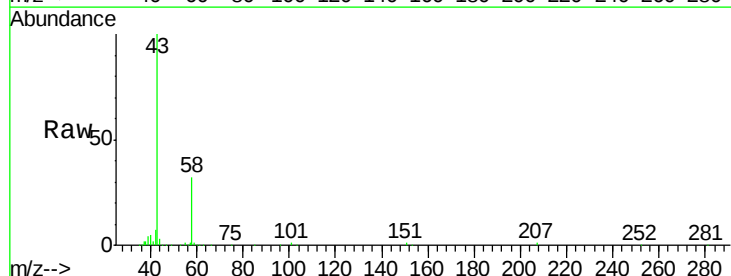
RT: 4.17 min Scan# 382

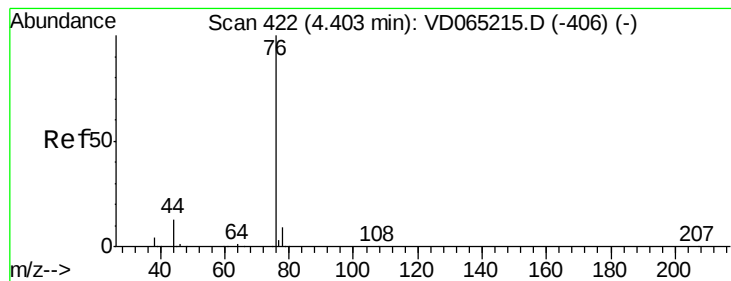
Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Tgt Ion:	43	Resp:	339747
Ion Ratio	Lower	Upper	
43	100		
58	32.1	26.2	39.2





#17

Carbon Disulfide

Concen: 49.507 ug/l

RT: 4.40 min Scan# 422

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 804131

Ion Ratio Lower Upper

76 100

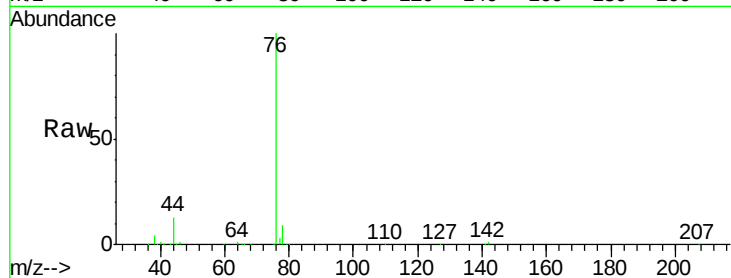
78 9.3 7.0 10.6

Manual Integrations

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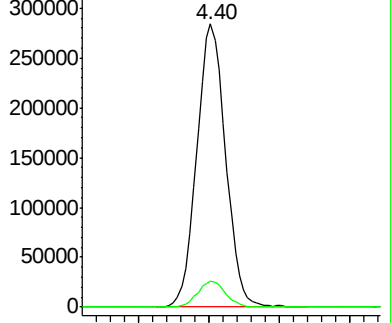
MMDadoda

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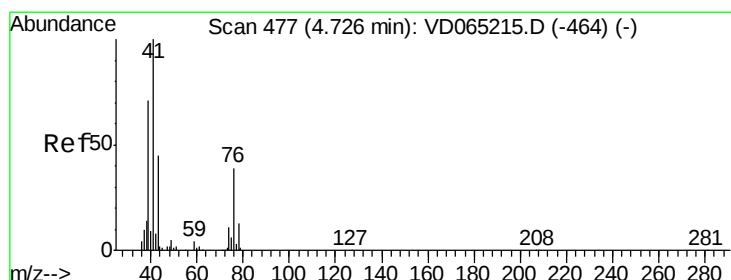
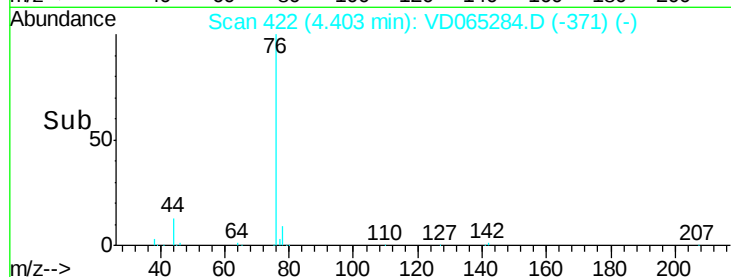


Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



Time-->



#18

Methyl Acetate

Concen: 43.973 ug/l

RT: 4.73 min Scan# 477

Delta R.T. 0.00 min

Lab File: VD065284.D

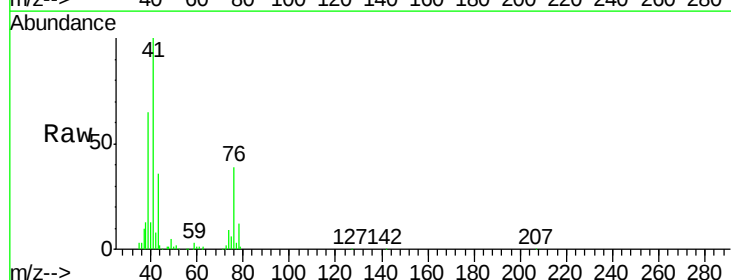
Acq: 24 Feb 2020 10:00

Tgt Ion: 43 Resp: 113646

Ion Ratio Lower Upper

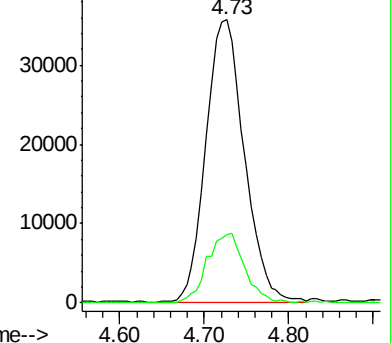
43 100

74 23.7 19.4 29.2

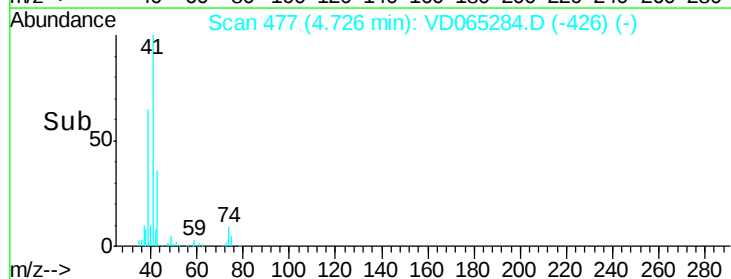


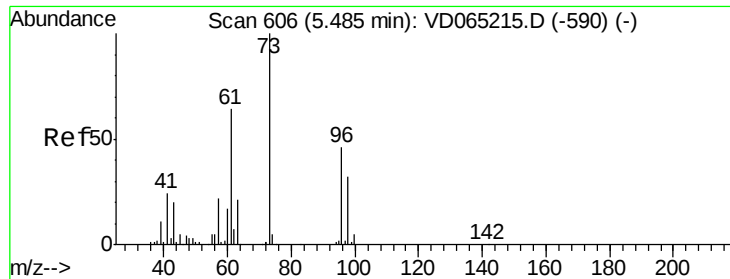
Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC



Time-->





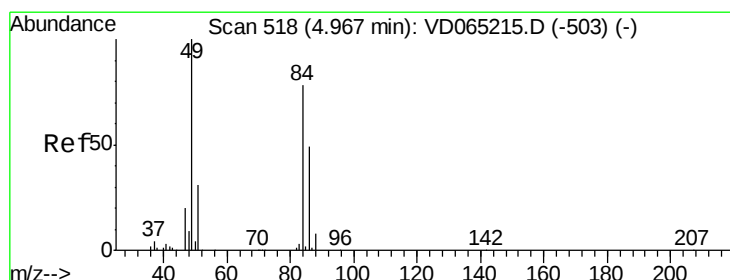
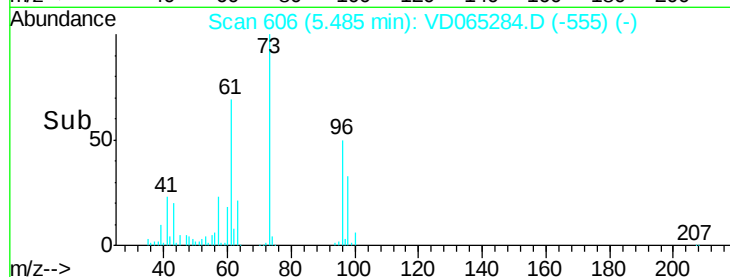
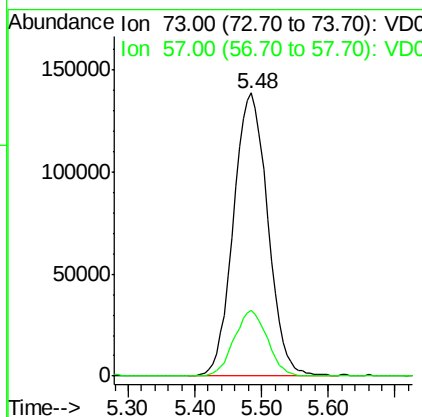
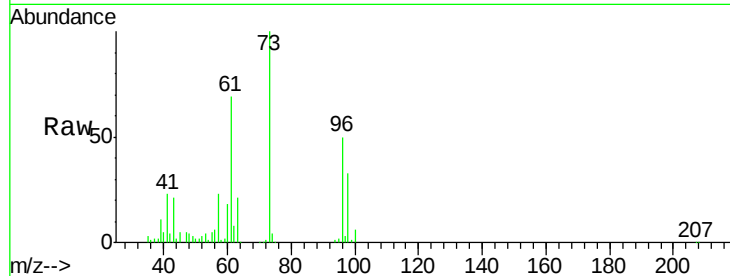
#19
Methvl tert-butvl Ether
Concen: 48.909 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 494135
Ion Ratio Lower Upper
73 100
57 23.1 17.3 25.9

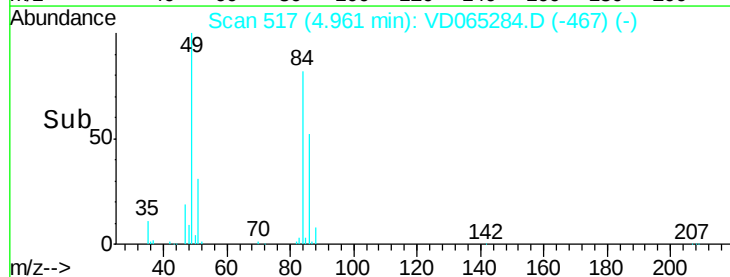
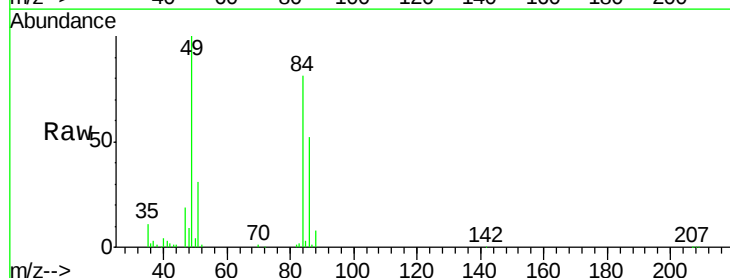
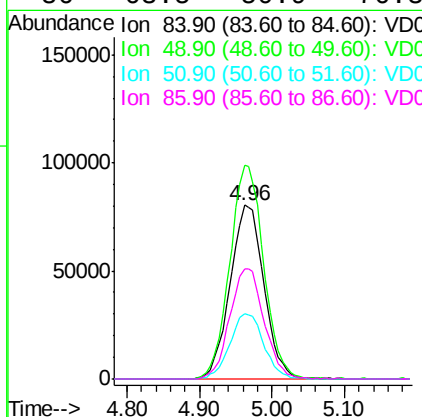
Manual Integrations
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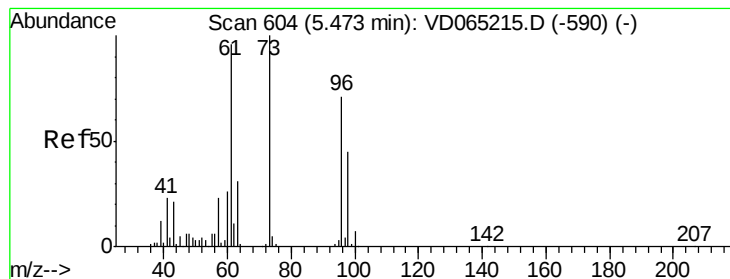
MMDadoda
2/25/2020 5:15:17 PM



#20
Methylene Chloride
Concen: 50.959 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 84 Resp: 260234
Ion Ratio Lower Upper
84 100
49 122.7 103.1 154.7
51 37.9 31.7 47.5
86 63.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.299 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 277029

Ion Ratio Lower Upper

96 100

61 131.2 108.3 162.5

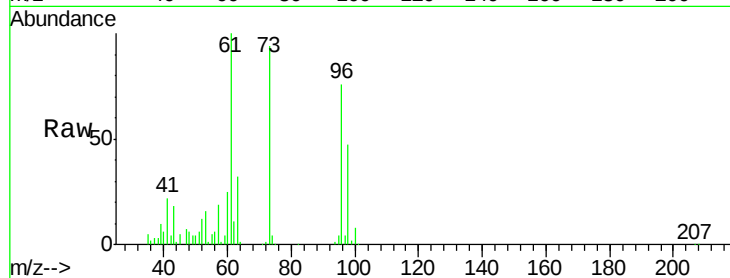
98 61.9 50.7 76.1

Manual Integrations

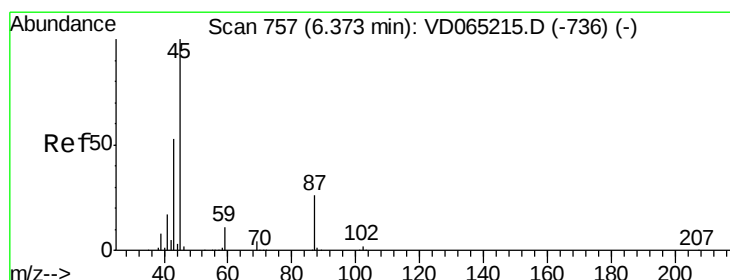
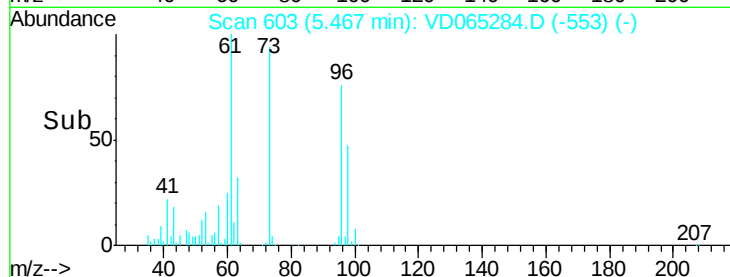
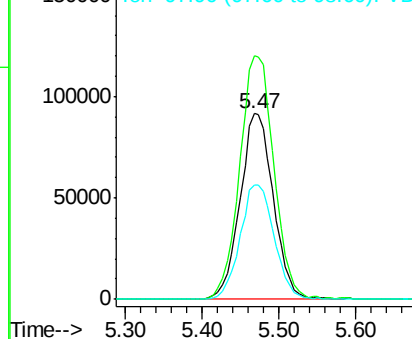
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 49.781 ug/l

RT: 6.37 min Scan# 756

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Tgt Ion: 45 Resp: 755013

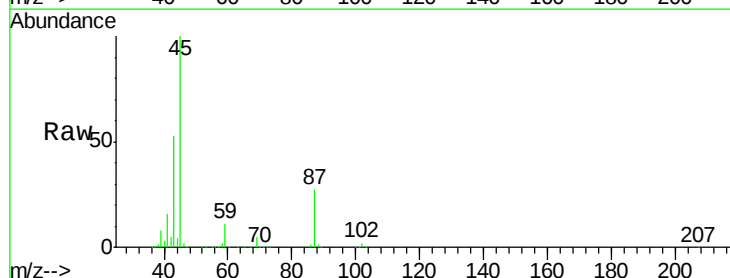
Ion Ratio Lower Upper

45 100

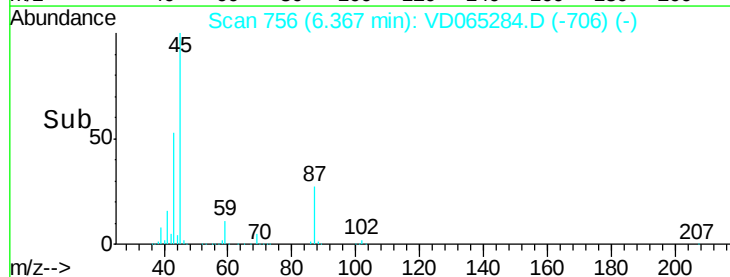
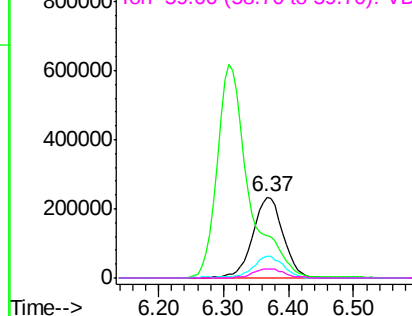
43 51.7 42.6 64.0

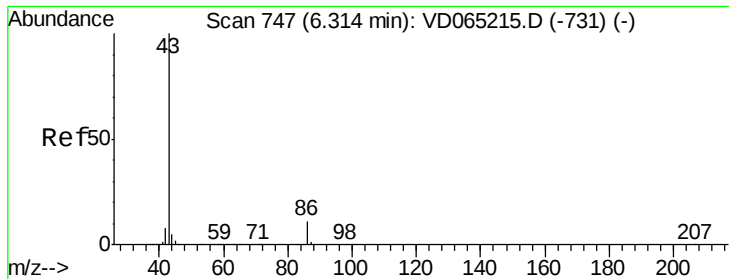
87 26.8 21.2 31.8

59 11.3 8.9 13.3



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 247.516 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2069573

Ion Ratio Lower Upper

43 100

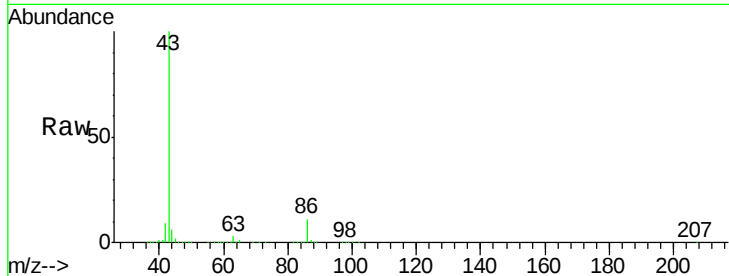
86 10.8 8.6 12.8

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

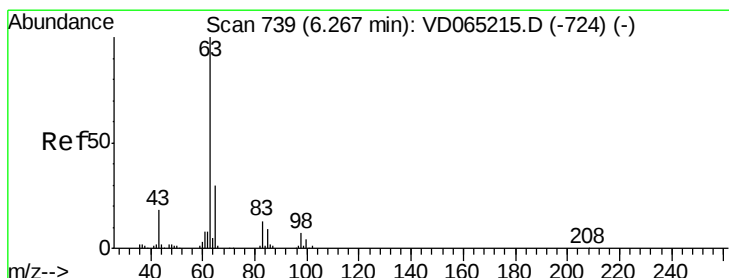
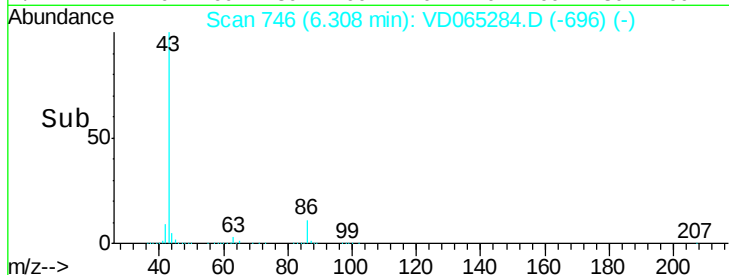
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.095 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

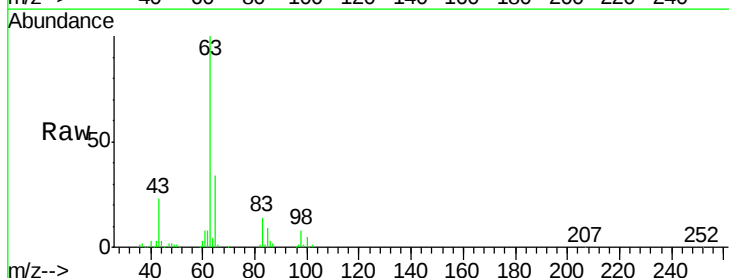
Tgt Ion: 63 Resp: 452452

Ion Ratio Lower Upper

63 100

98 7.6 3.4 10.1

100 5.2 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

200000

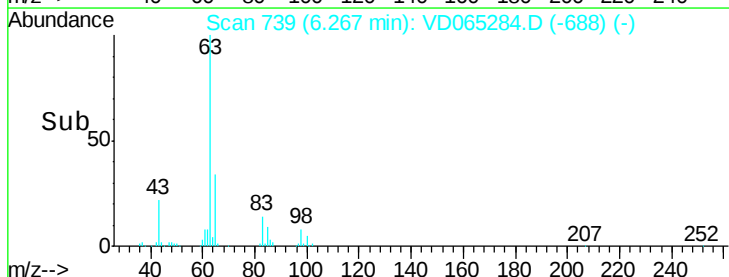
150000

100000

50000

0

Time-->





#25

2-Butanone

Concen: 251.137 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 365126

Ion Ratio Lower Upper

43 100

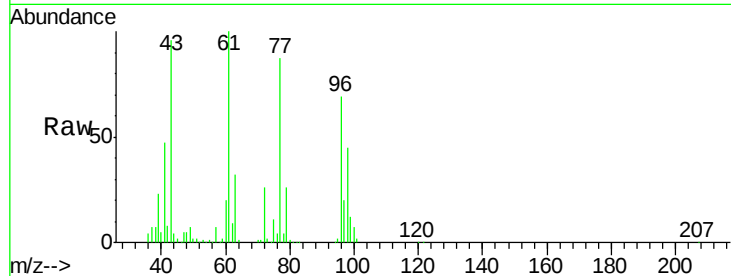
72 26.9 20.9 31.3

Manual Integrations

APPROVED

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.22

150000

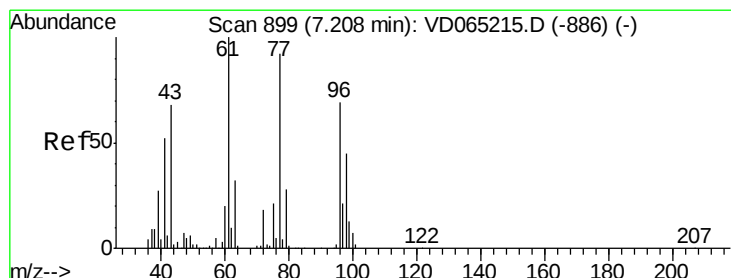
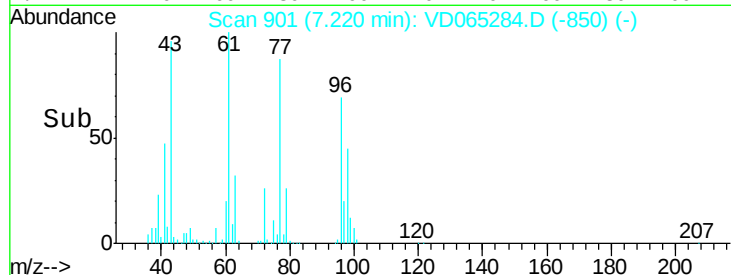
100000

50000

0

7.10 7.20 7.30

Time-->



#26

2,2-Dichloropropane

Concen: 49.934 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065284.D

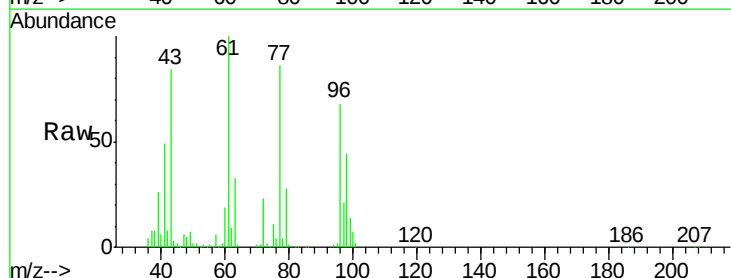
Acq: 24 Feb 2020 10:00

Tgt Ion: 77 Resp: 407573

Ion Ratio Lower Upper

77 100

97 23.2 11.7 35.1



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

7.21

150000

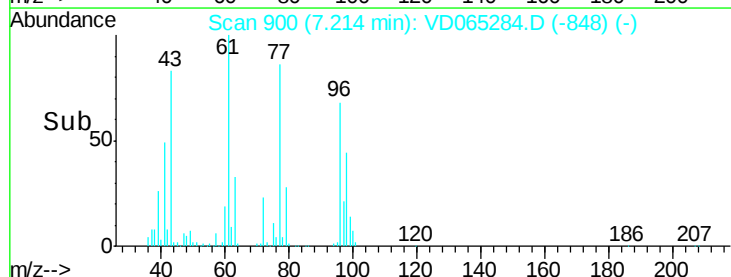
100000

50000

0

7.10 7.20 7.30

Time-->





#27

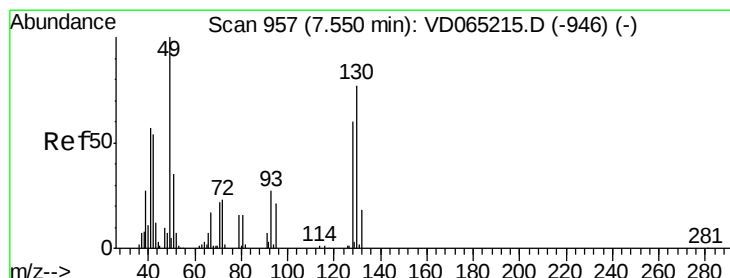
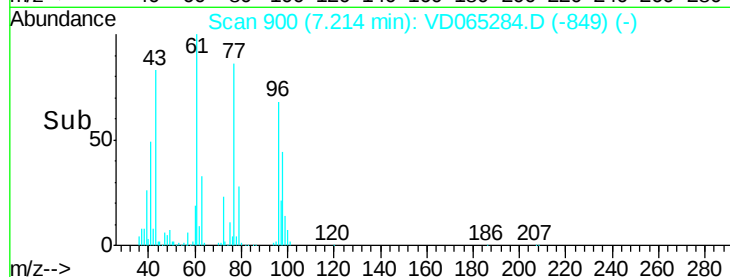
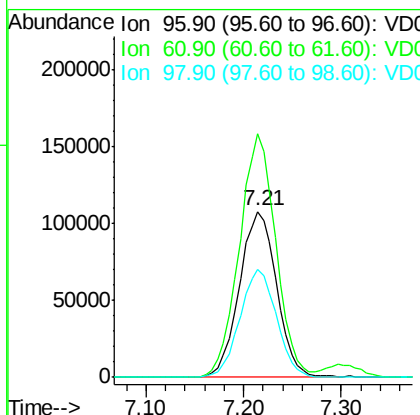
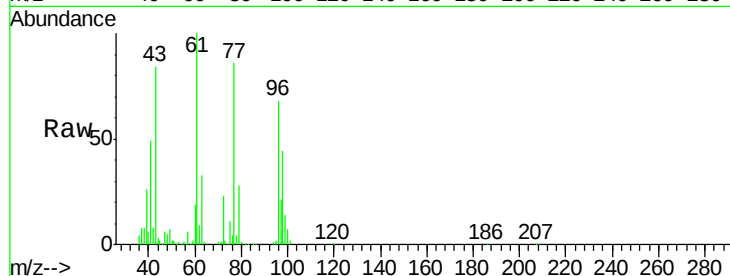
cis-1,2-Dichloroethene
Concen: 48.901 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	285289		
61	144.1	0.0	286.0	
98	64.5	0.0	127.8	

Manual Integrations
APPROVED

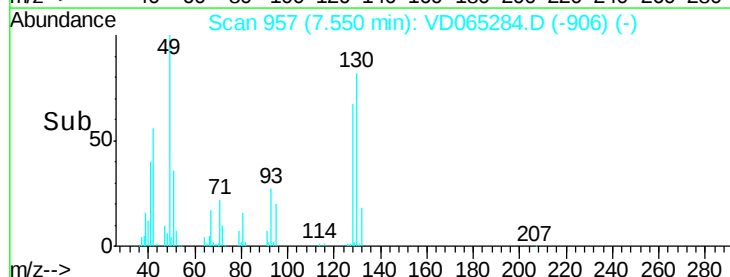
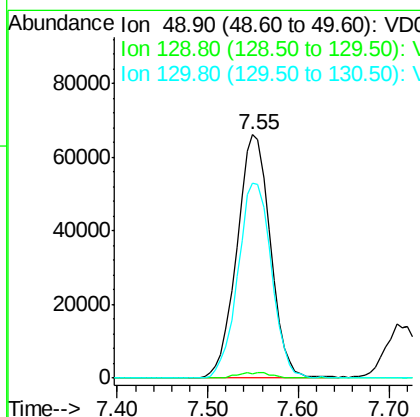
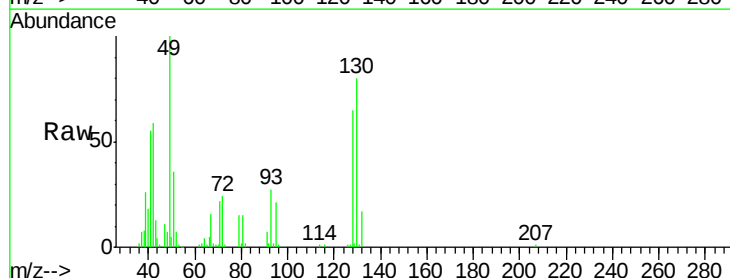
MMDadoda
2/25/2020 5:15:17 PM

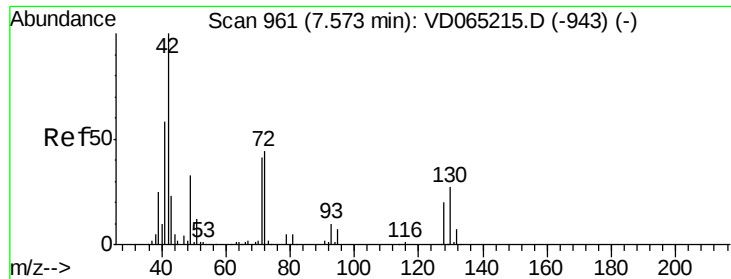


#28

Bromochloromethane
Concen: 48.634 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	169739		
129	2.2	0.0	4.6	
130	80.5	64.7	97.1	





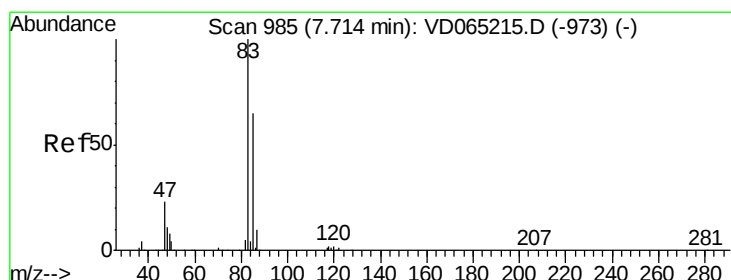
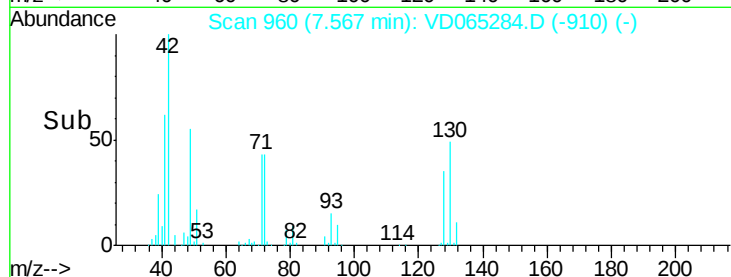
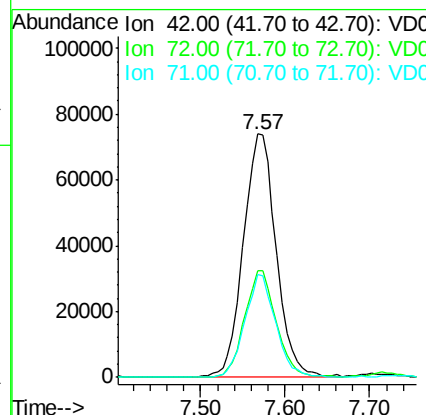
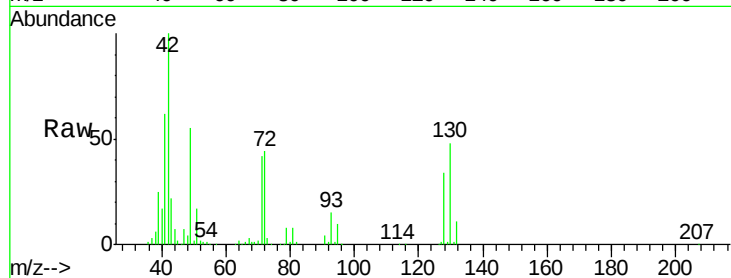
#29
Tetrahydrofuran
Concen: 232.459 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.8	31.4	47.2

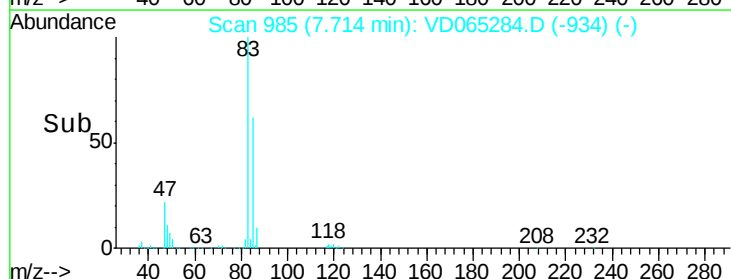
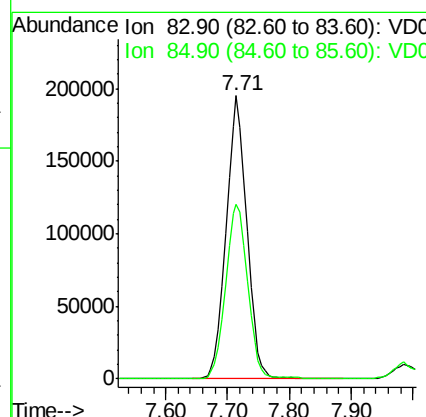
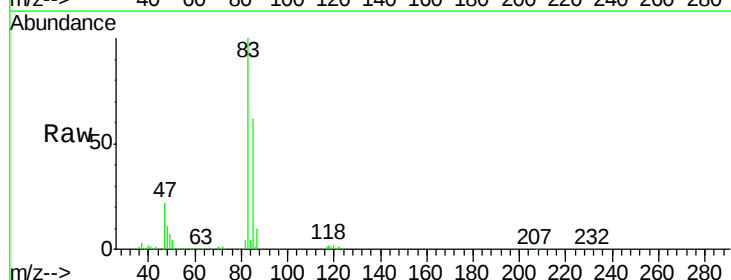
Manual Integrations
APPROVED

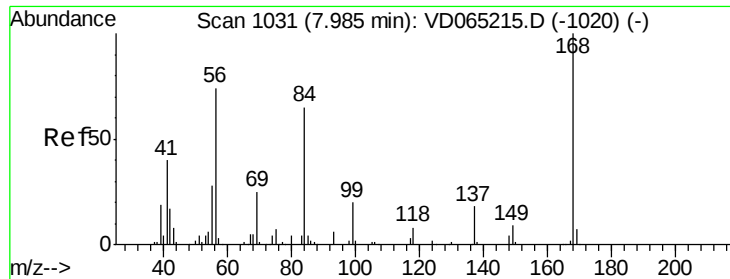
MMDadoda
2/25/2020 5:15:17 PM



#30
Chloroform
Concen: 48.096 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	52.3	78.5





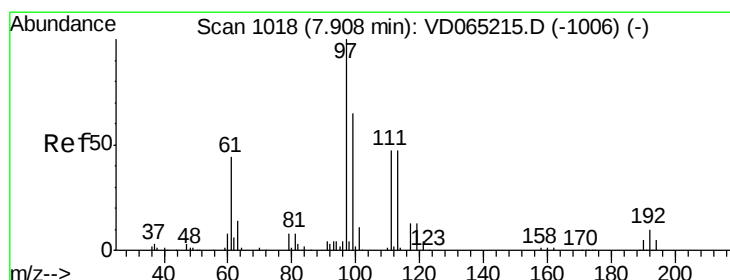
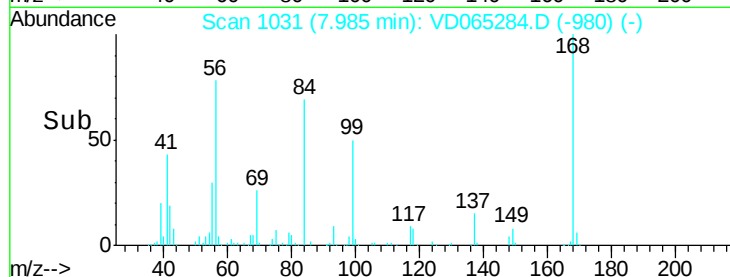
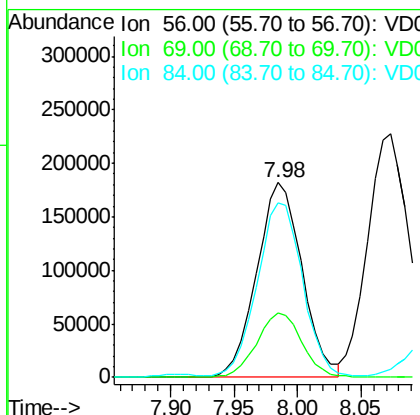
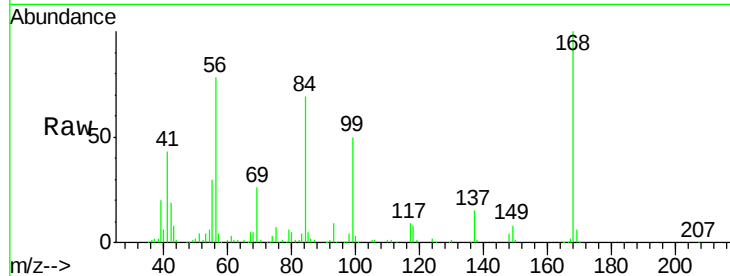
#31
Cyclohexane
Concen: 49.077 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
56	100		453623		
69	33.0	27.4	41.0		
84	88.1	71.1	106.7		

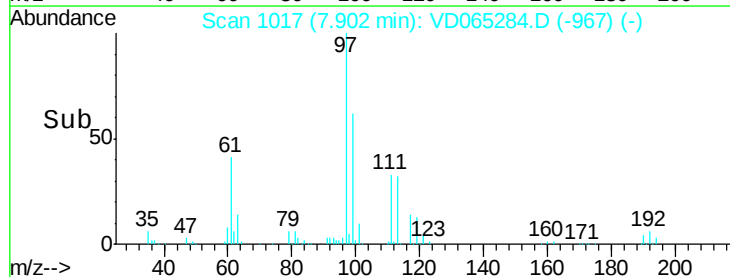
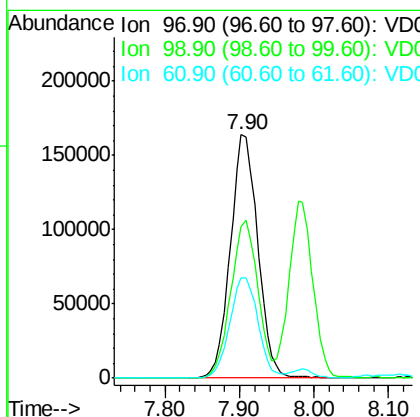
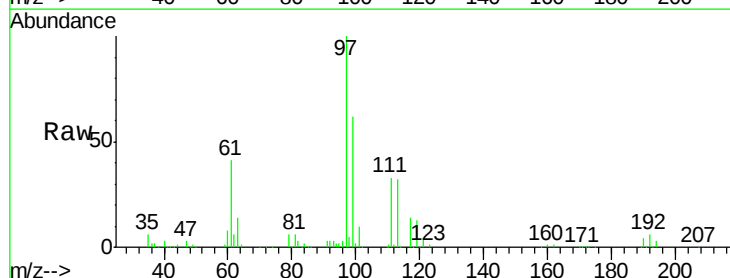
Manual Integrations
APPROVED

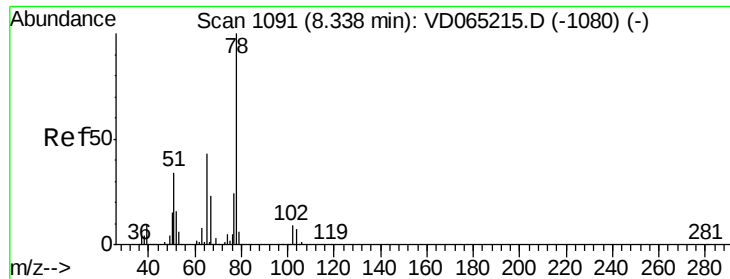
MMDadoda
2/25/2020 5:15:17 PM



#32
1,1,1-Trichloroethane
Concen: 49.572 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
97	100		420360		
99	63.8	51.4	77.2		
61	42.4	34.8	52.2		





#33

1,2-Dichloroethane-d4

Concen: 44.066 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 207148

Ion Ratio Lower Upper

65 100

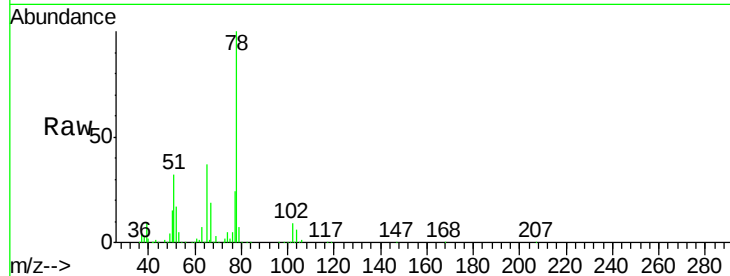
67 54.1 0.0 106.8

Manual Integrations

APPROVED

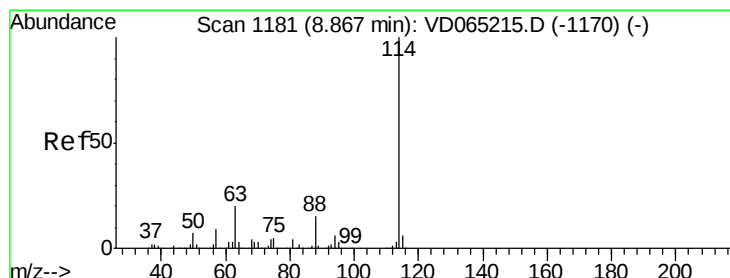
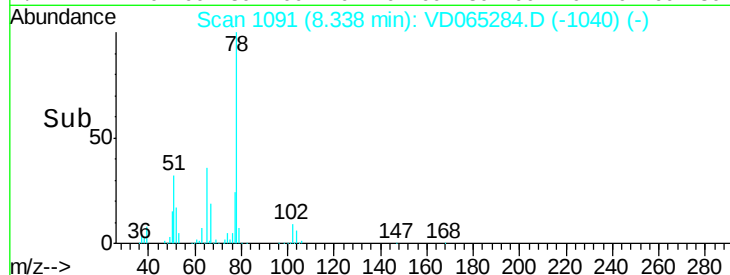
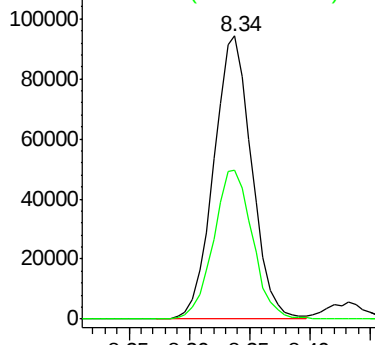
MMDadoda

2/25/2020 5:15:17 PM



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

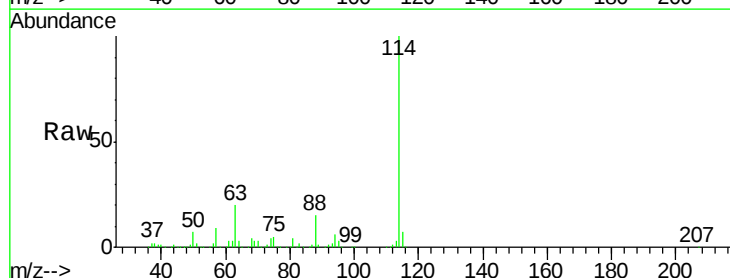
Tgt Ion: 114 Resp: 758546

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.4

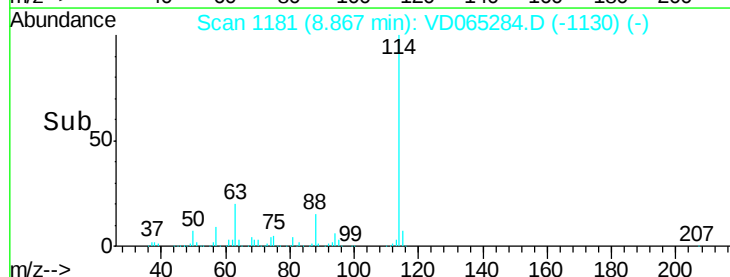
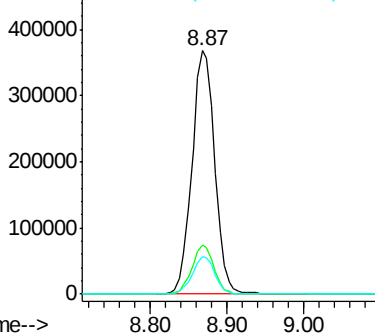
88 15.3 0.0 30.4

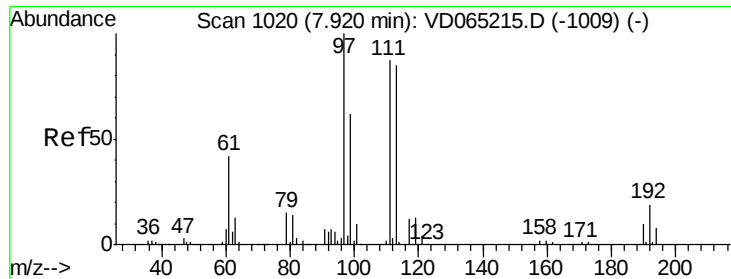


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





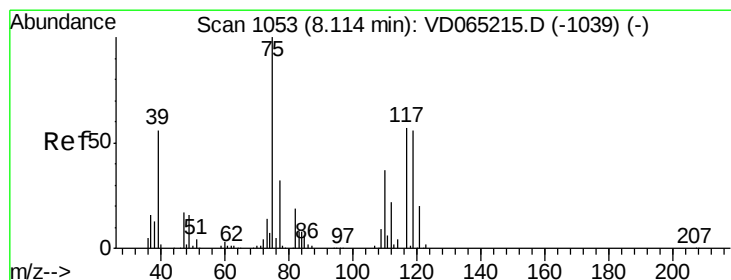
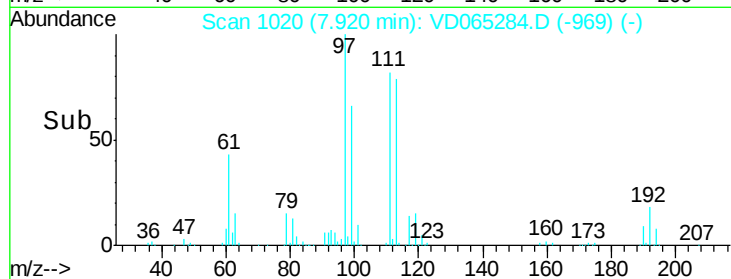
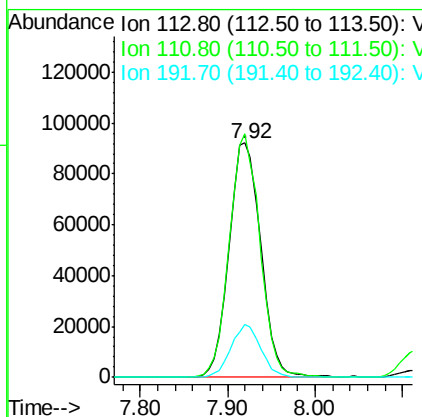
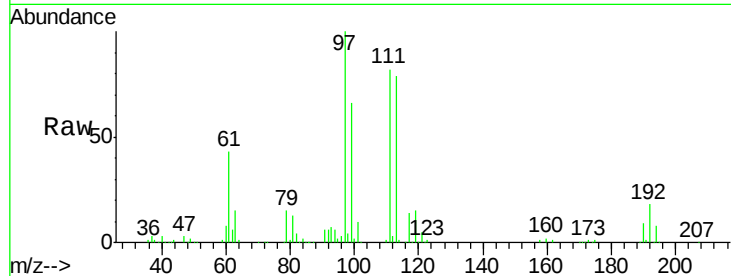
#35
Dibromofluoromethane
Concen: 49.182 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	227475		
111	100.2	82.9	124.3	
192	21.2	17.3	25.9	

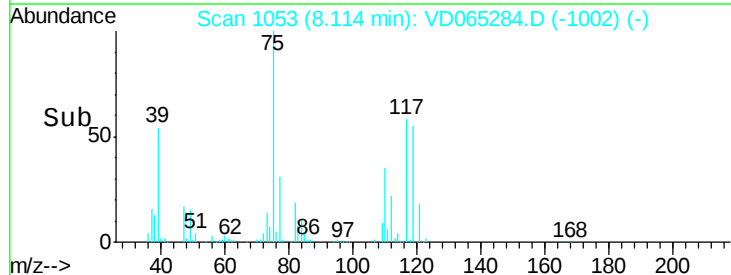
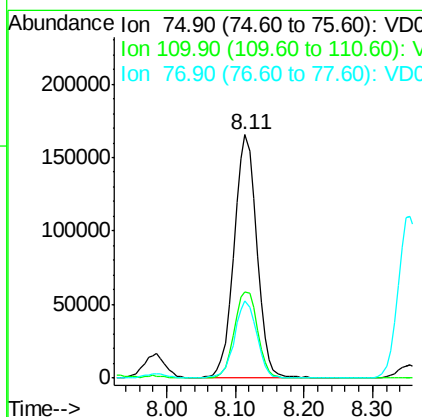
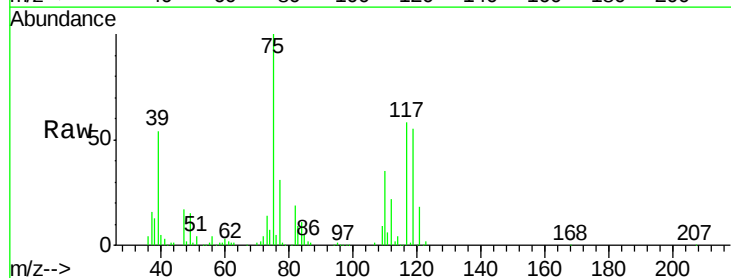
Manual Integrations
APPROVED

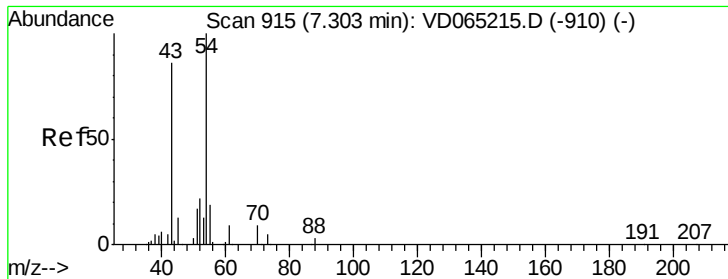
MMDadoda
2/25/2020 5:15:17 PM



#36
1,1-Dichloropropene
Concen: 51.550 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	380474		
110	36.3	17.9	53.7	
77	30.9	25.1	37.7	





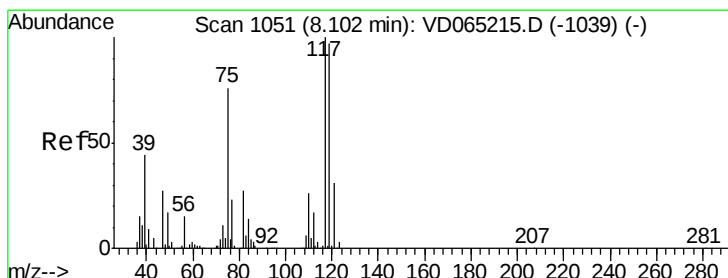
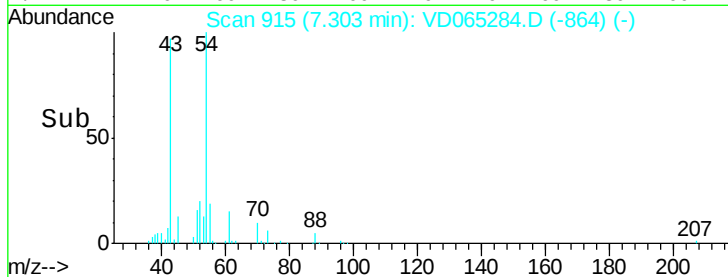
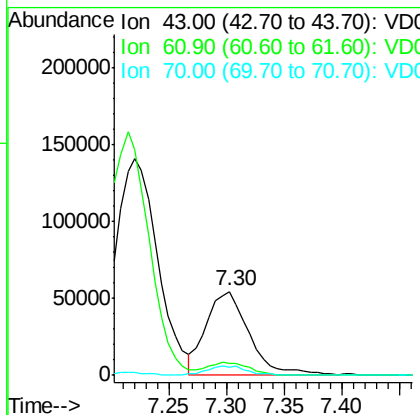
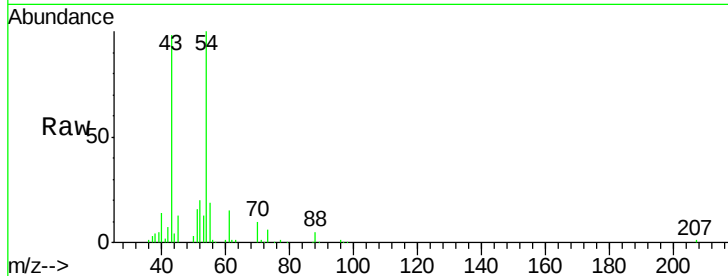
#37
Ethyl Acetate
Concen: 44.375 ug/l
RT: 7.30 min Scan# 915
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.2	16.8
70	10.6	8.2	12.2

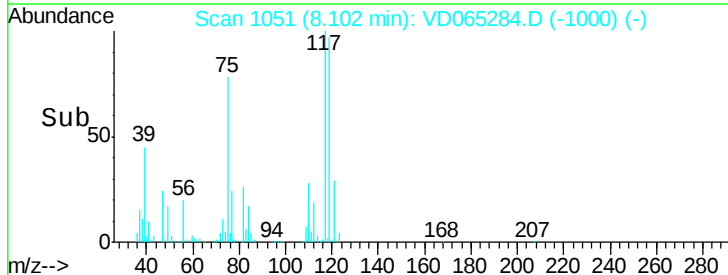
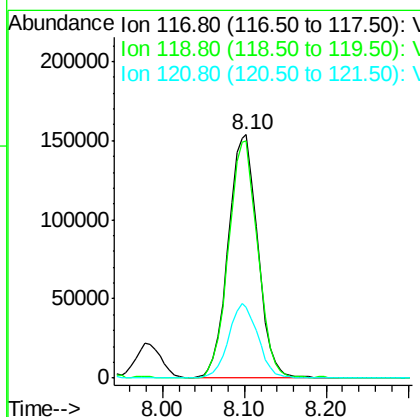
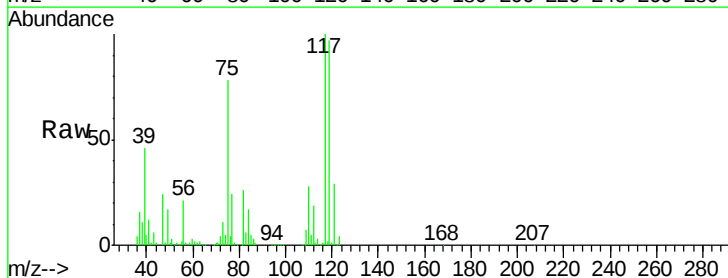
Manual Integrations
APPROVED

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2/25/2020 5:15:17 PM



#38
Carbon Tetrachloride
Concen: 50.999 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.3	77.6	116.4
121	29.4	24.8	37.2





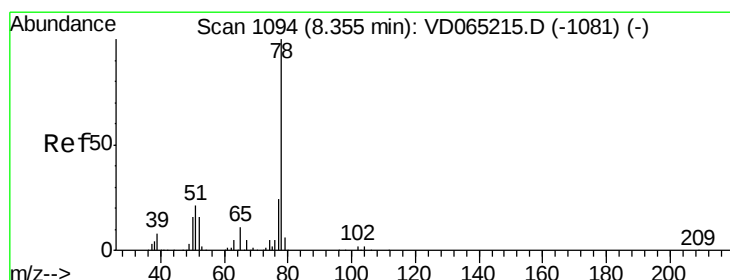
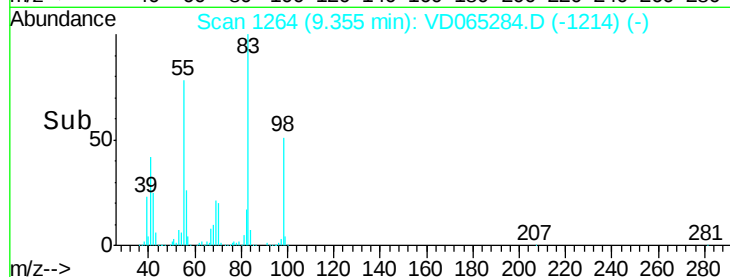
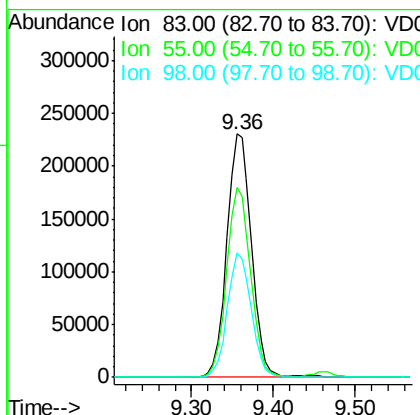
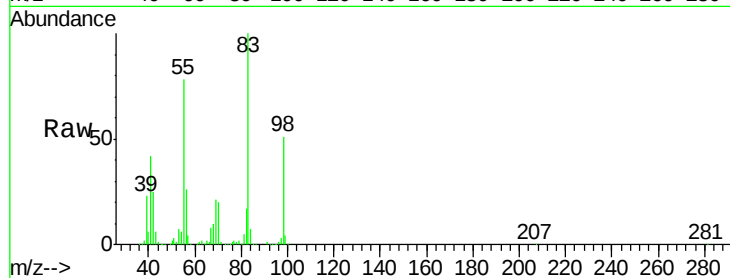
#39
Methvlcvclohexane
Concen: 55.576 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	77.8	61.8	92.6
98	51.3	39.4	59.0

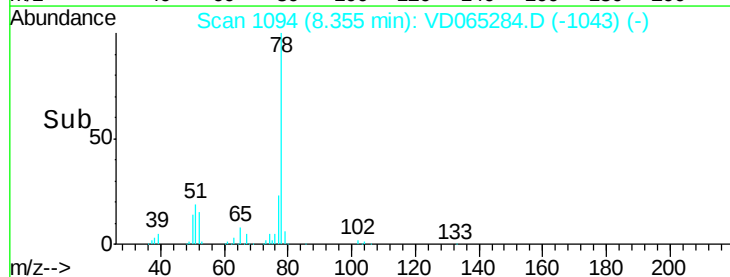
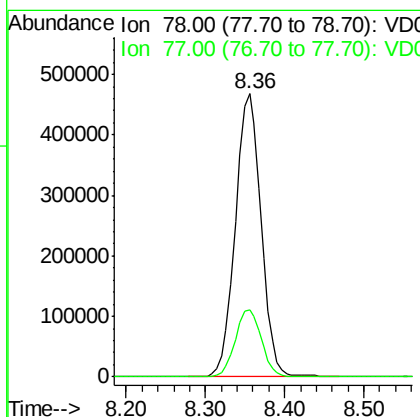
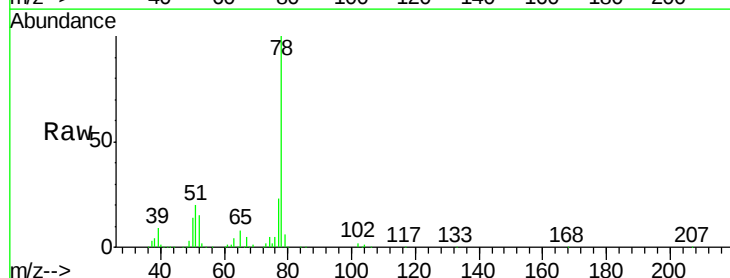
Manual Integrations
APPROVED

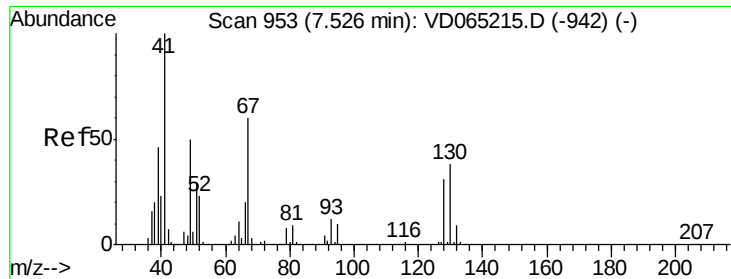
MMDadoda
2/25/2020 5:15:17 PM



#40
Benzene
Concen: 50.518 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.6





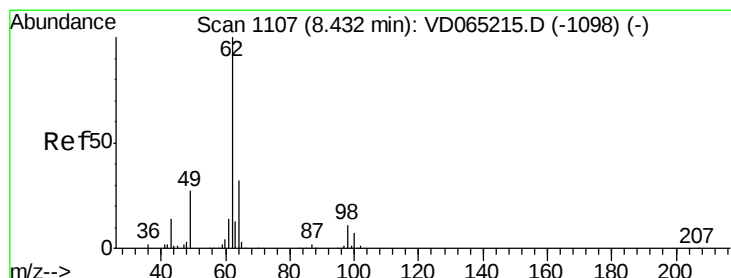
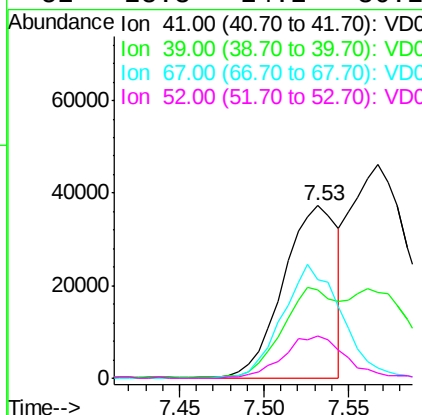
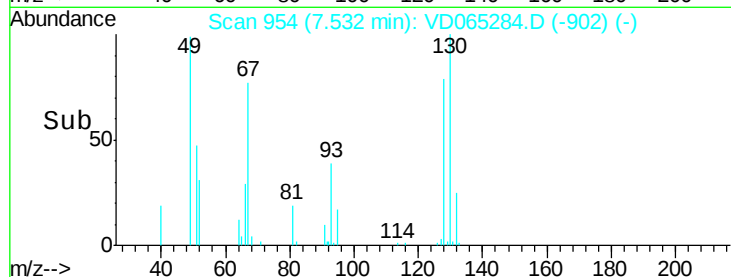
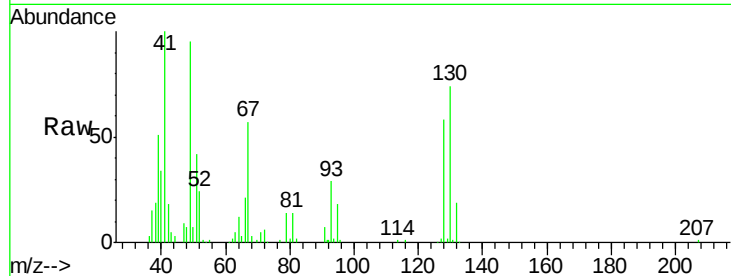
#41
Methacrylonitrile
Concen: 46.708 ug/l
RT: 7.53 min Scan# 954
Delta R.T. 0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
41	100		
39	51.0	48.1	72.1
67	72.7	58.9	88.3
52	28.3	24.2	36.2

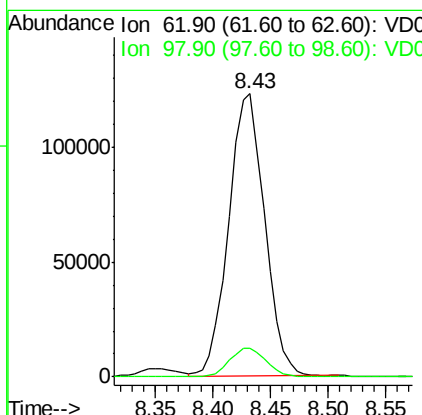
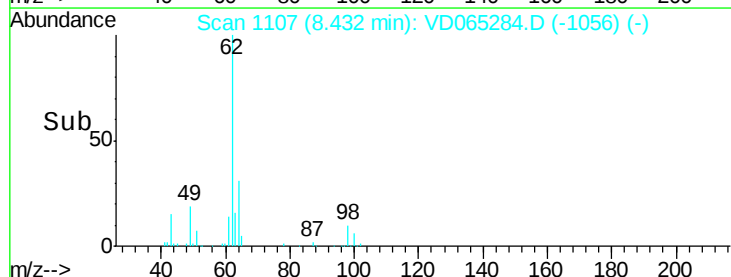
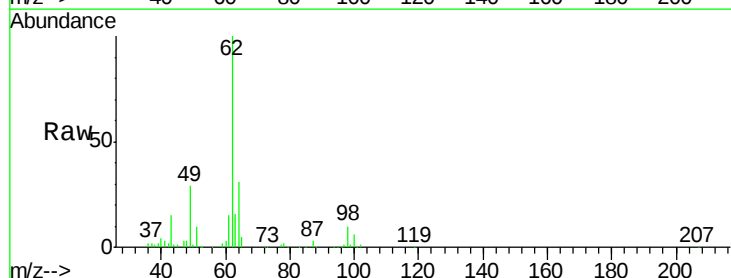
Manual Integrations
APPROVED

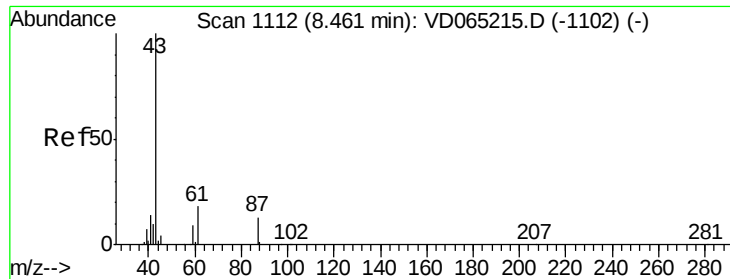
MMDadoda
2/25/2020 5:15:17 PM



#42
1,2-Dichloroethane
Concen: 46.557 ug/l
RT: 8.43 min Scan# 1107
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	20.6





#43

Isopropyl Acetate

Concen: 46.547 ug/l

RT: 8.46 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

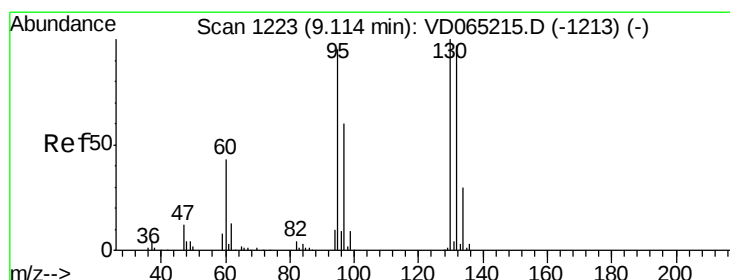
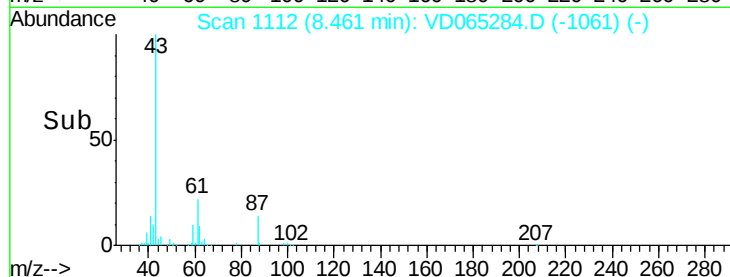
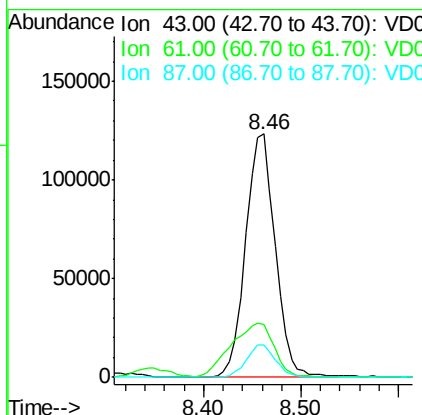
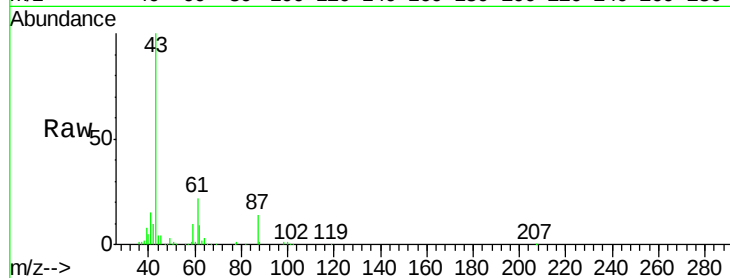
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	261166
Ion	Ratio	Lower	Upper
43	100		
61	32.4	24.6	36.8
87	13.1	10.6	16.0

Manual Integrations
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2/25/2020 5:15:17 PM



#44

Trichloroethene

Concen: 51.391 ug/l

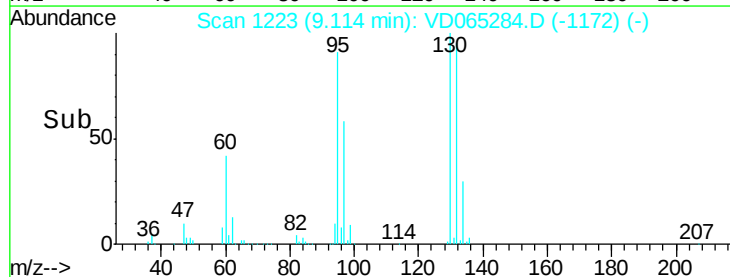
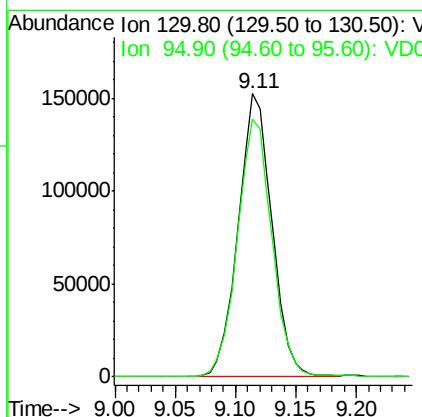
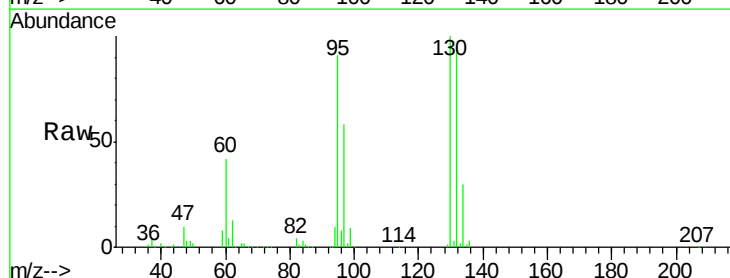
RT: 9.11 min Scan# 1223

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Tgt Ion:	130	Resp:	296769
Ion	Ratio	Lower	Upper
130	100		
95	90.9	0.0	190.6





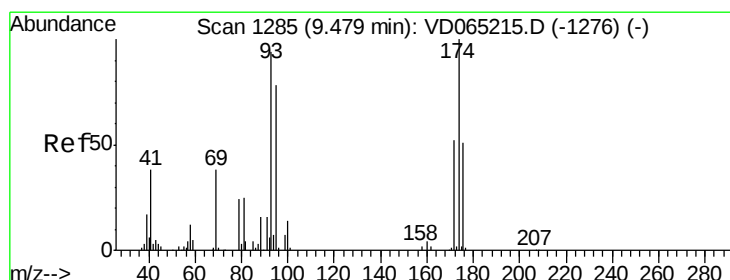
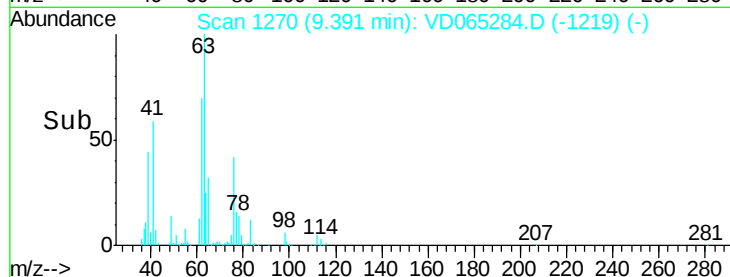
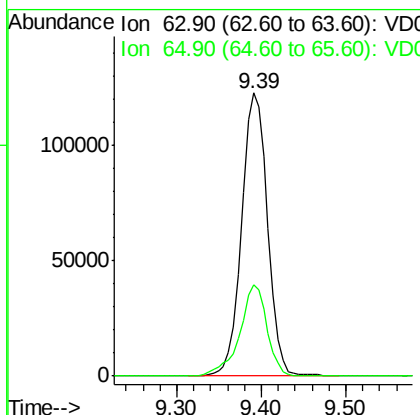
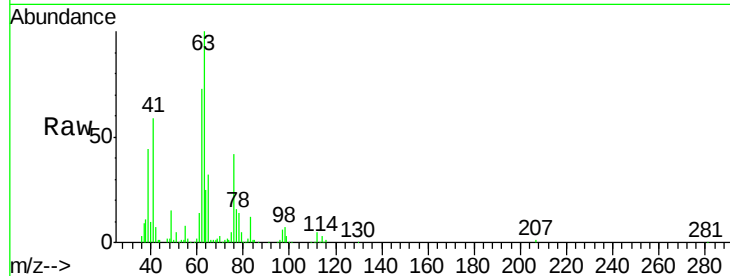
#45
 1,2-Dichloropropane
 Concen: 50.449 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	32.3	24.9	37.3

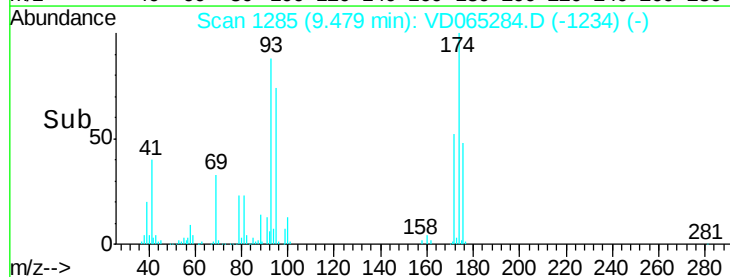
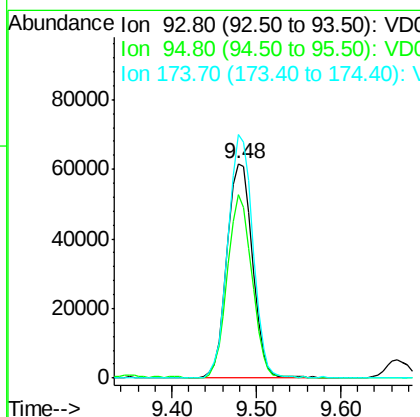
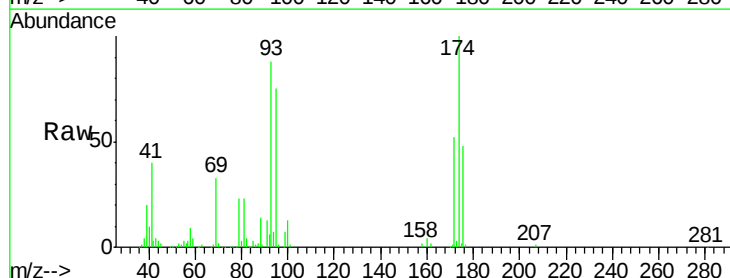
Manual Integrations
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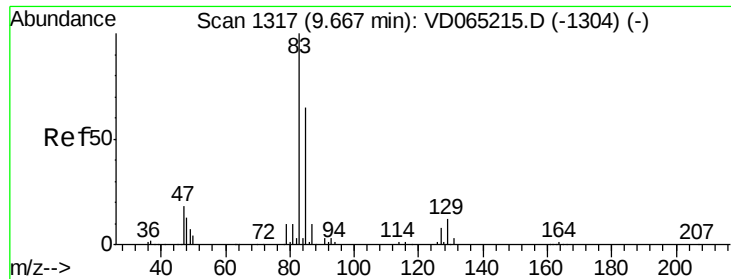
MMDadoda
 2/25/2020 5:15:17 PM



#46
 Dibromomethane
 Concen: 48.322 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.8	98.6
174	110.4	86.8	130.2





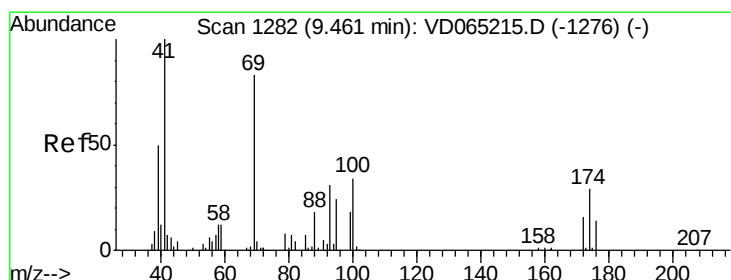
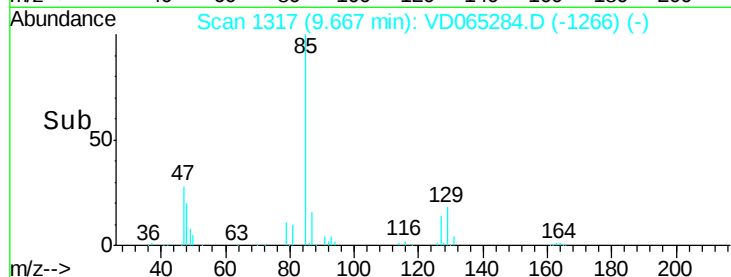
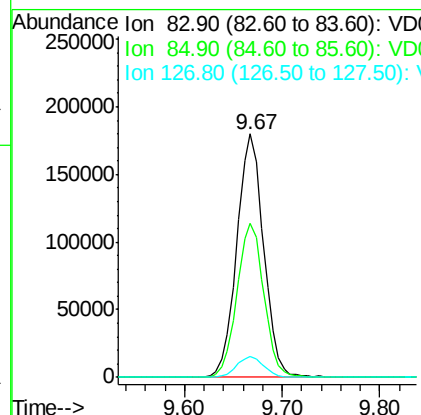
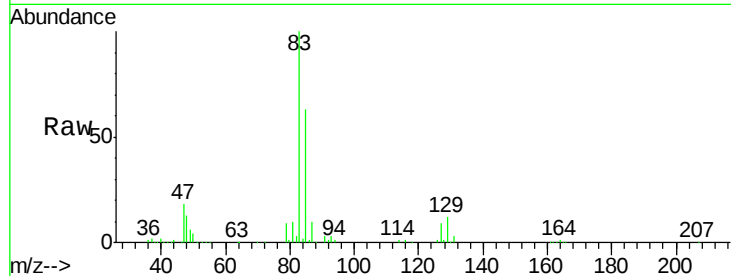
#47
Bromodichloromethane
Concen: 48.979 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	344035
Ion Ratio	100	Lower	Upper
83	100		
85	63.4	52.0	78.0
127	8.7	6.7	10.1

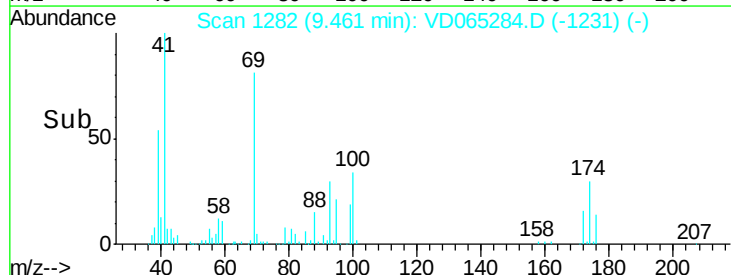
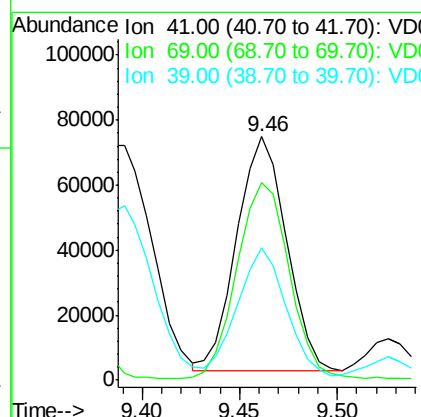
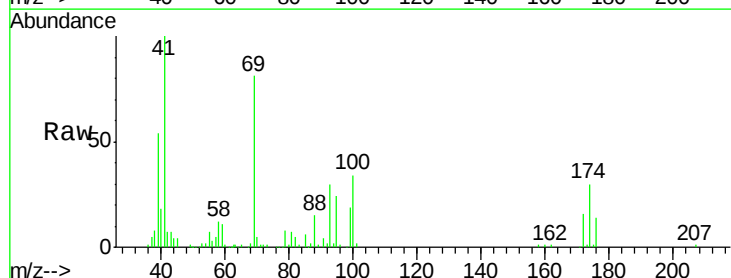
Manual Integrations
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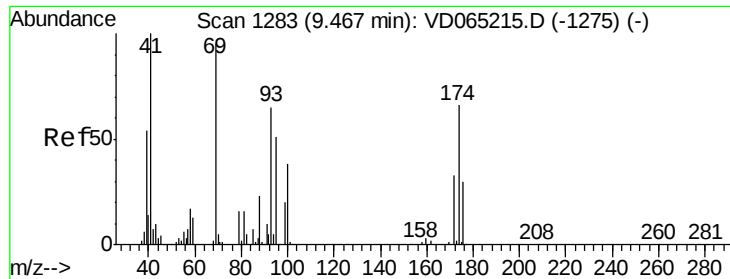
MMDadoda
2/25/2020 5:15:17 PM



#48
Methyl methacrylate
Concen: 48.728 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	41	Resp	126375
Ion Ratio	100	Lower	Upper
41	100		
69	92.1	68.2	102.2
39	52.4	42.0	63.0





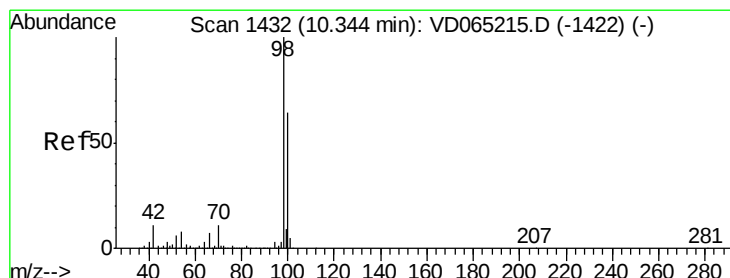
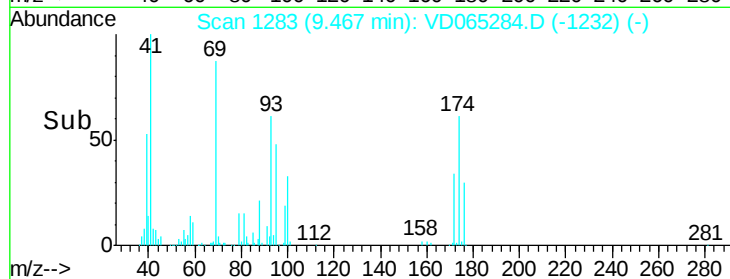
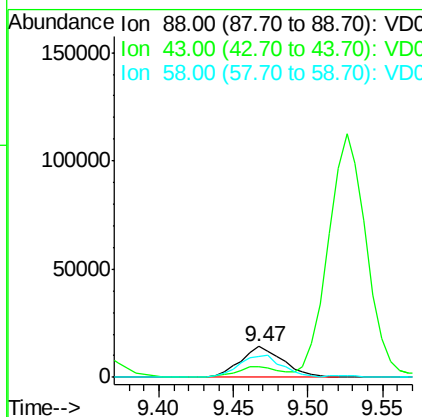
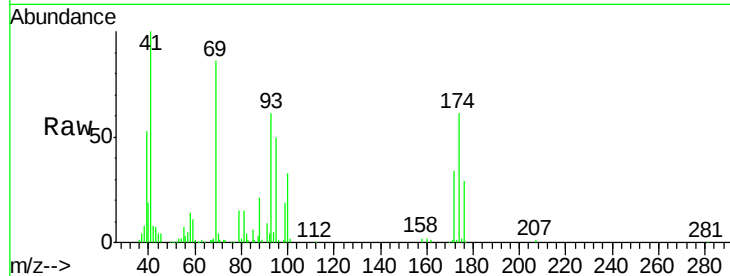
#49
1,4-Dioxane
Concen: 892.890 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.2	28.5	42.7
58	73.7	58.6	87.8

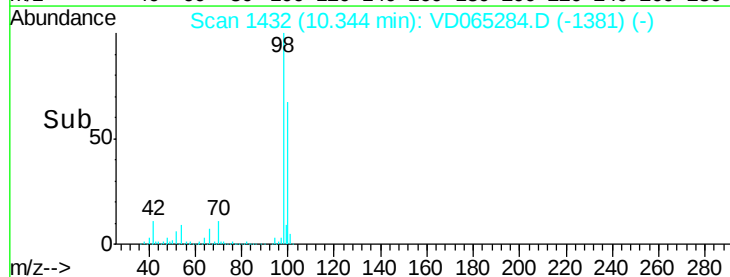
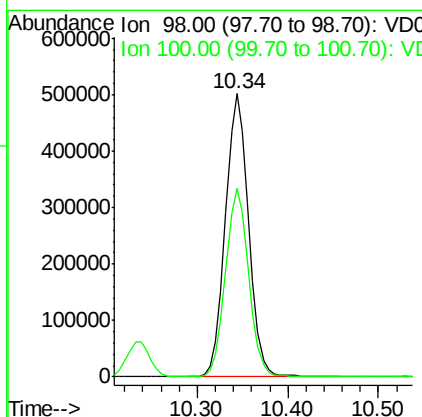
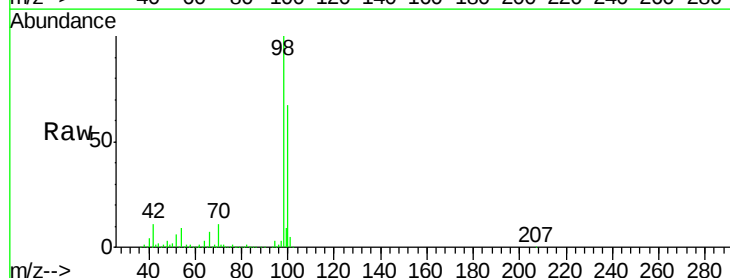
Manual Integrations
APPROVED

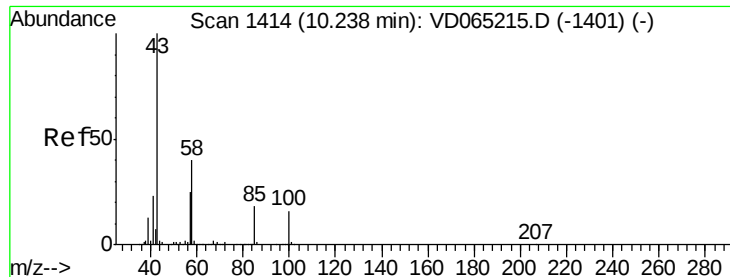
MMDadoda
2/25/2020 5:15:17 PM



#50
Toluene-d8
Concen: 50.345 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 243.707 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 694518

Ion Ratio Lower Upper

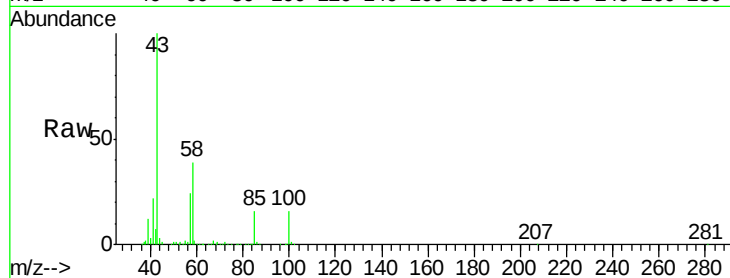
43 100

58 39.1 31.1 46.7

Manual Integrations
APPROVED

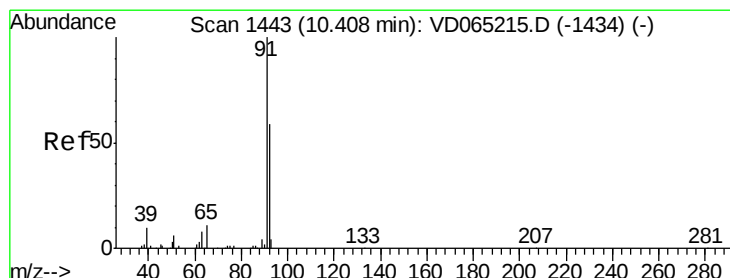
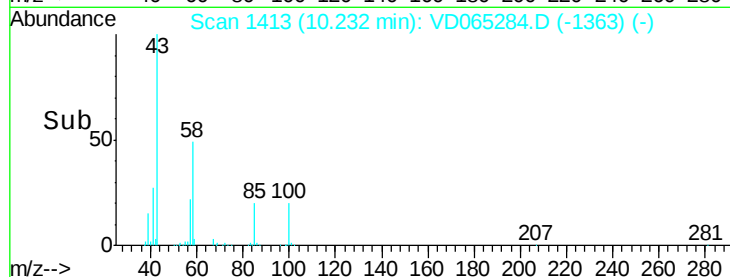
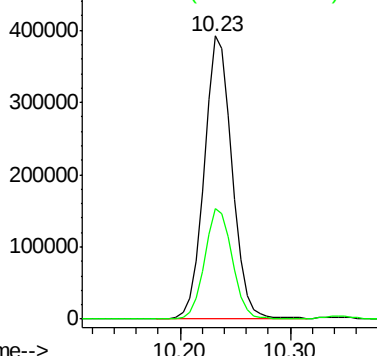
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#52

Toluene

Concen: 52.830 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD065284.D

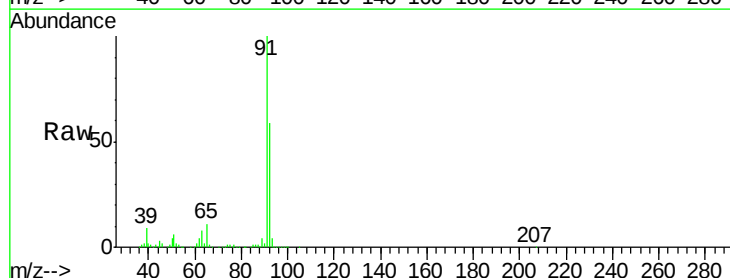
Acq: 24 Feb 2020 10:00

Tgt Ion: 92 Resp: 681245

Ion Ratio Lower Upper

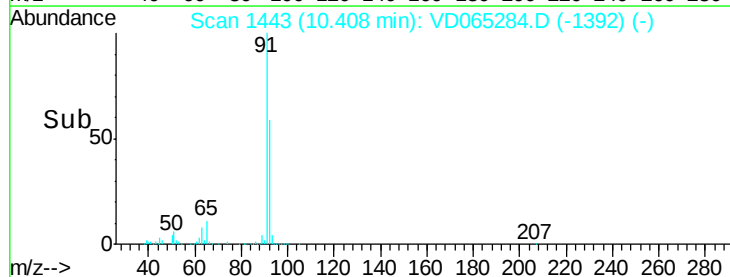
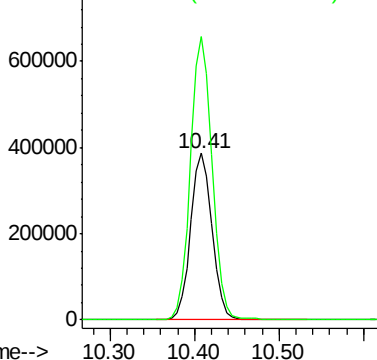
92 100

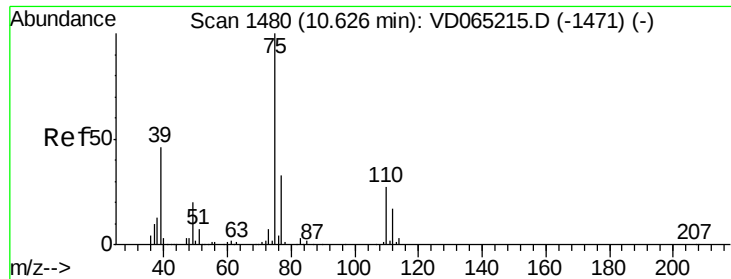
91 171.5 136.3 204.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





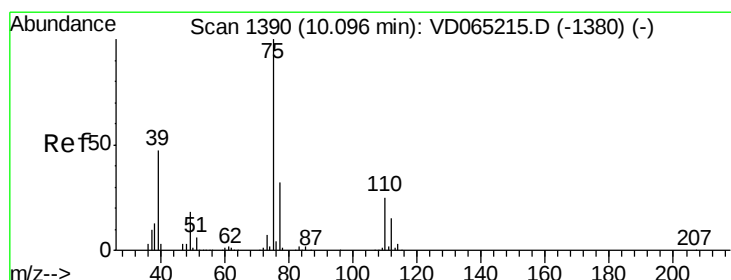
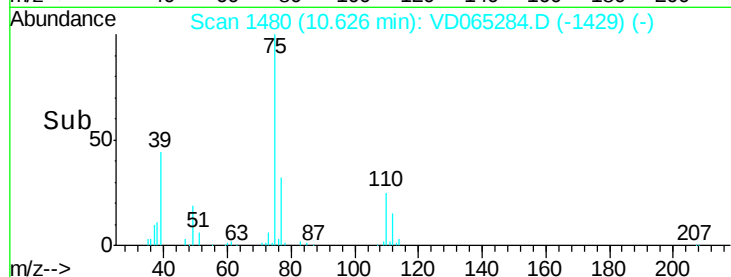
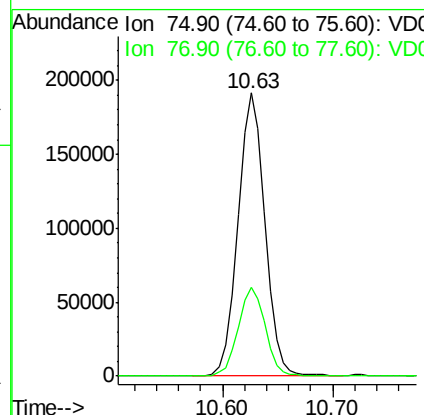
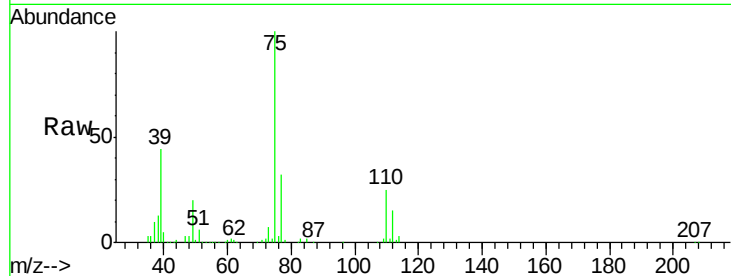
#53
t-1,3-Dichloropropene
Concen: 50.479 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.5	26.6	40.0

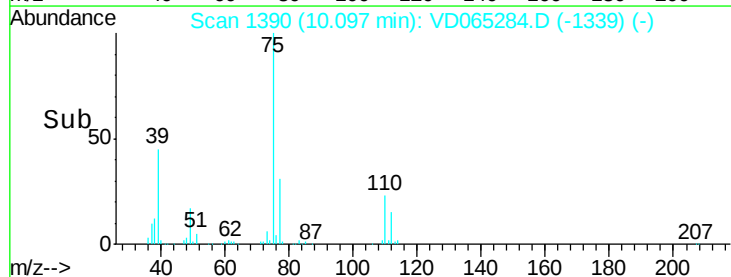
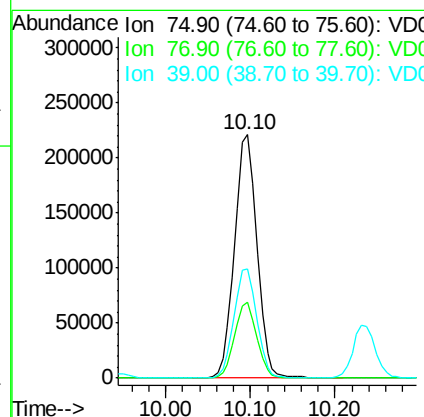
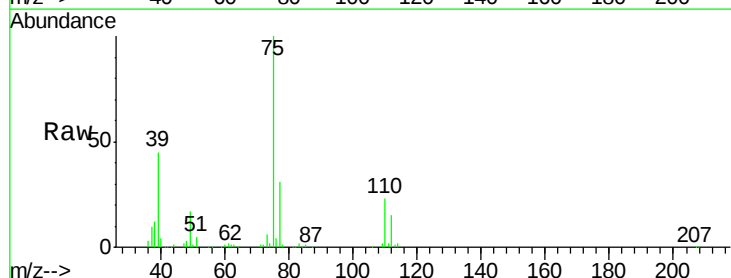
Manual Integrations
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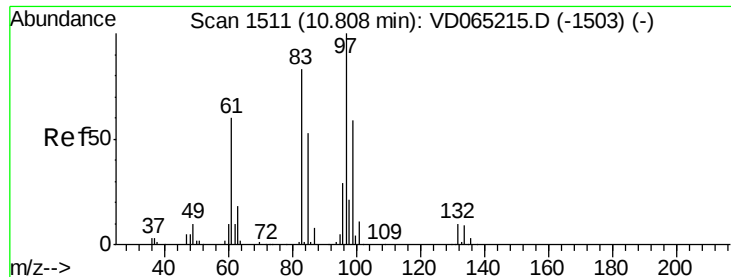
MMDadoda
2/25/2020 5:15:17 PM



#54
cis-1,3-Dichloropropene
Concen: 51.382 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.8	38.8
39	45.0	37.3	55.9





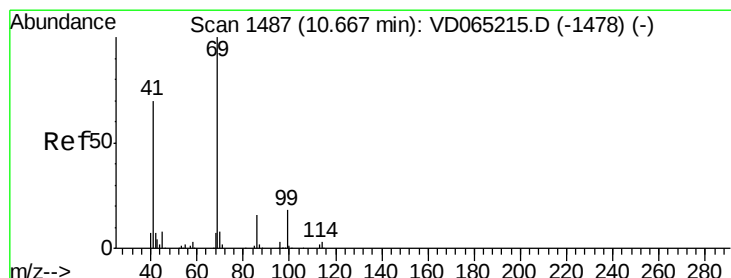
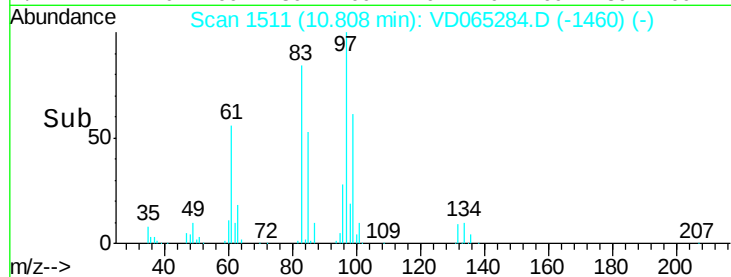
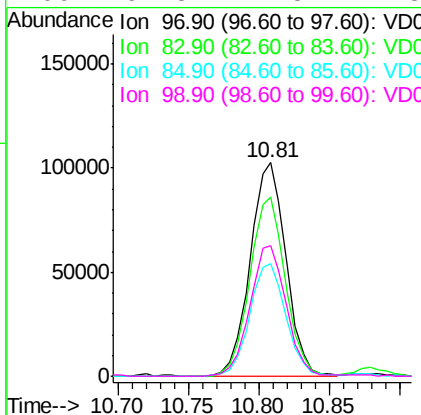
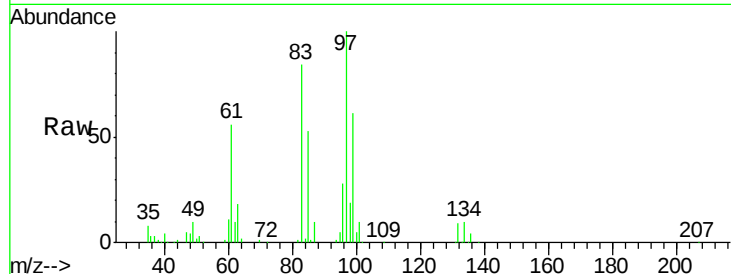
#55
 1,1,2-Trichloroethane
 Concen: 48.774 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		182975		
83	84.1	66.7	100.1		
85	52.5	42.4	63.6		
99	61.3	47.5	71.3		

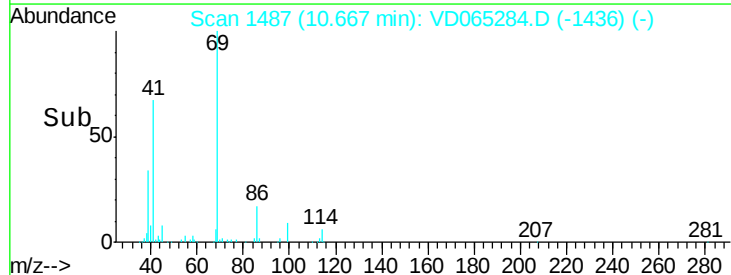
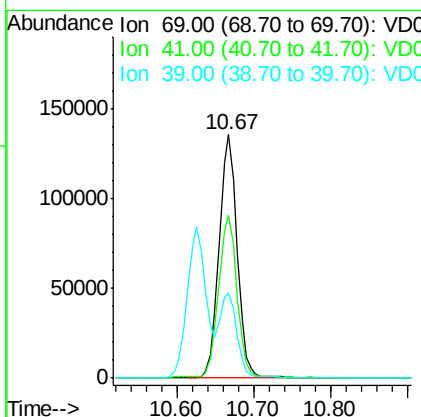
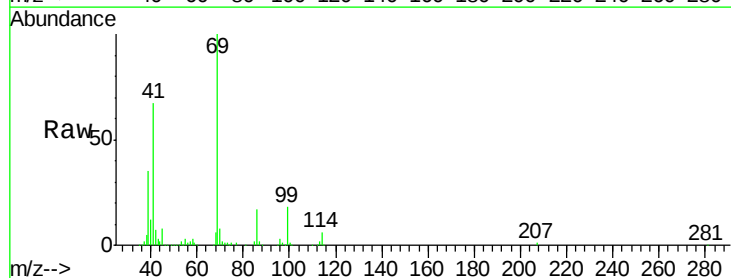
Manual Integrations
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 2/25/2020 5:15:17 PM



#56
 Ethyl methacrylate
 Concen: 51.002 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		220841		
41	66.6	54.6	81.8		
39	32.6	26.5	39.7		





#57

1,3-Dichloropropane

Concen: 49.188 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 314060

Ion Ratio Lower Upper

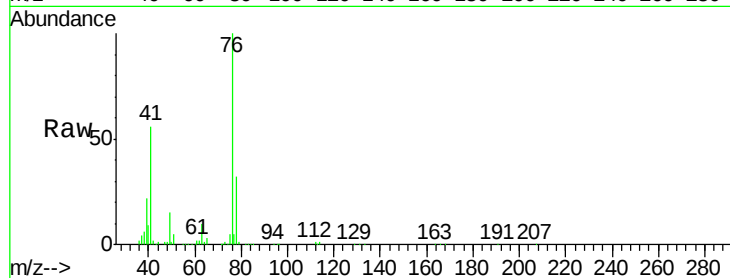
76 100

78 31.7 26.3 39.5

Manual Integrations
APPROVED

MMDadoda

2/25/2020 5:15:17 PM



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

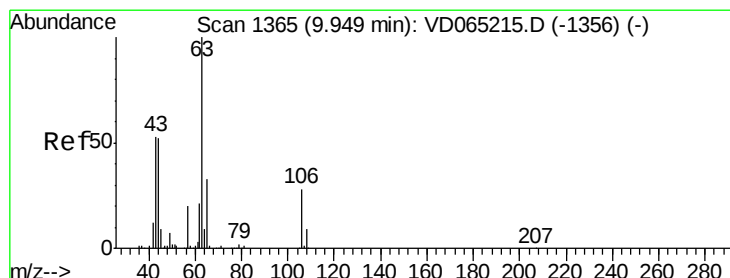
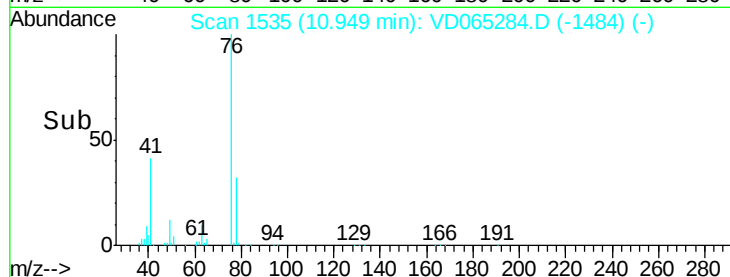
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 219.000 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065284.D

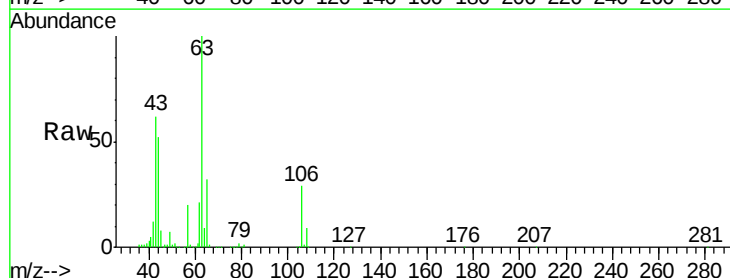
Acq: 24 Feb 2020 10:00

Tgt Ion: 63 Resp: 298963

Ion Ratio Lower Upper

63 100

106 29.1 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

9.95

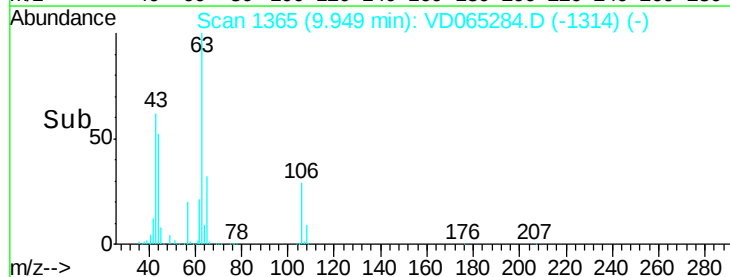
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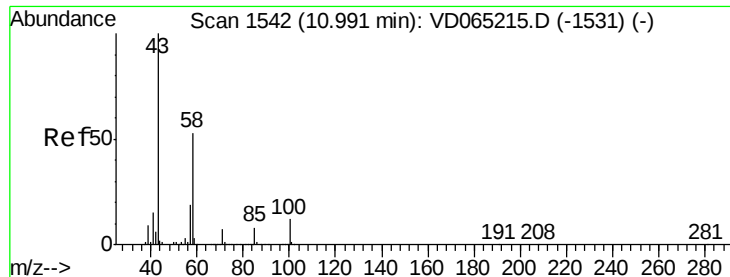
100000

50000

0

Time-->





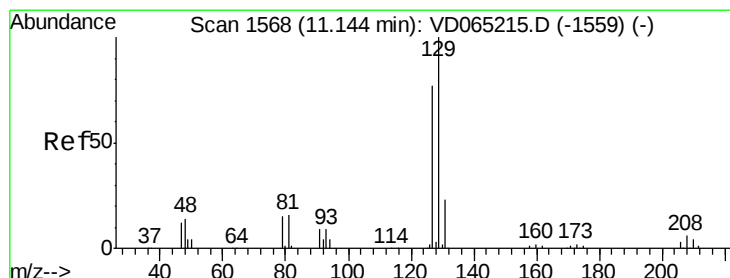
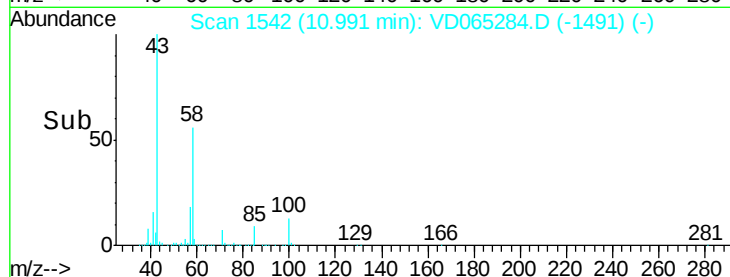
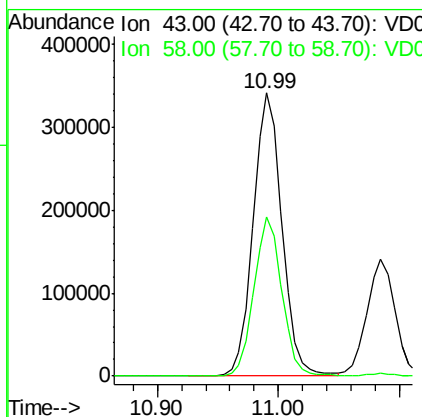
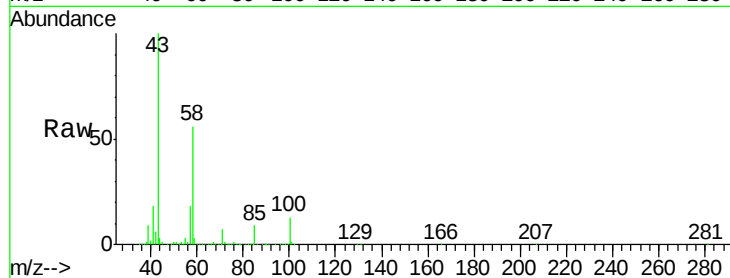
#59
2-Hexanone
Concen: 278.963 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	26.3	78.8

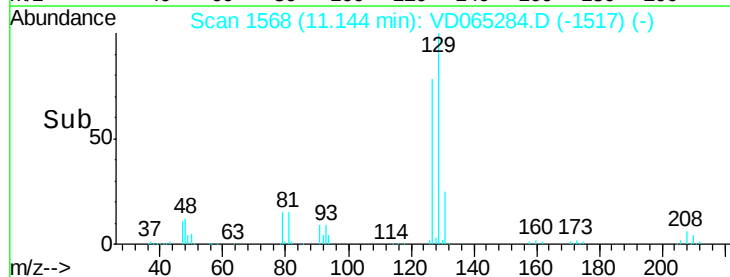
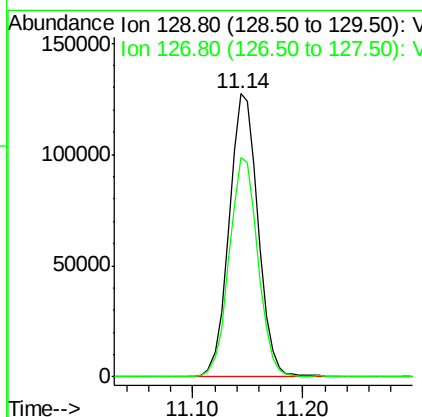
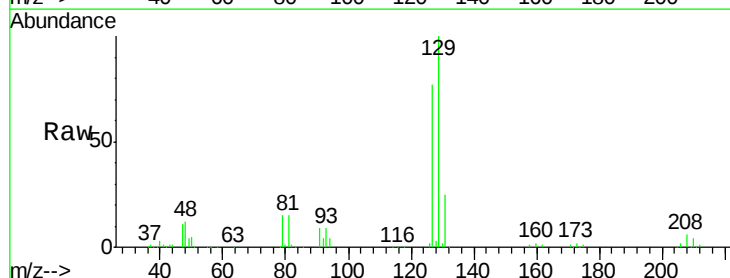
Manual Integrations
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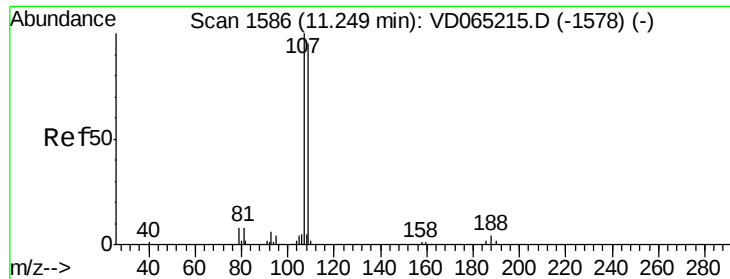
MMDadoda
2/25/2020 5:15:17 PM



#60
Dibromochloromethane
Concen: 48.739 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.7	116.1





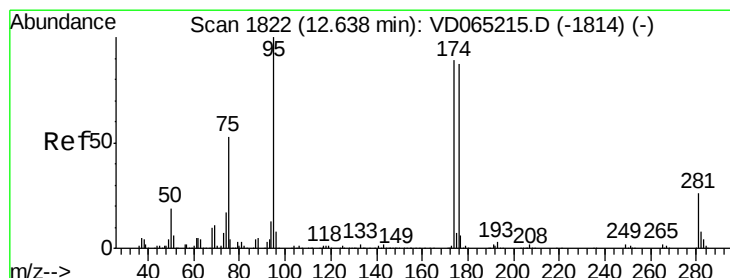
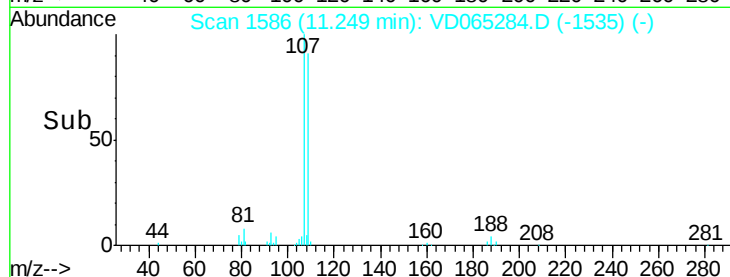
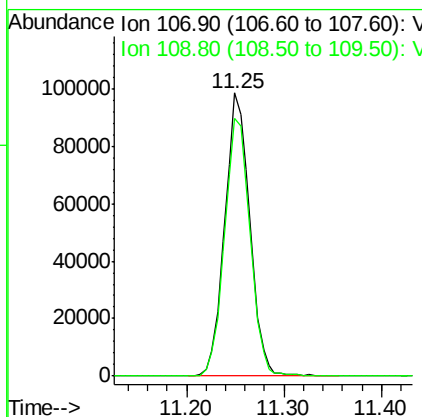
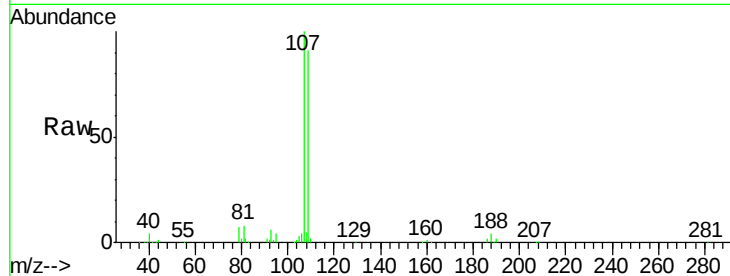
#61
 1,2-Dibromoethane
 Concen: 49.318 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	76.2	114.4

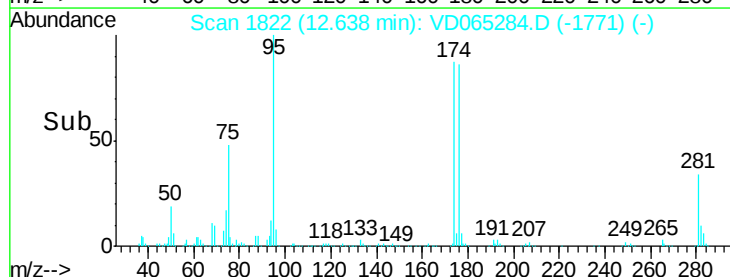
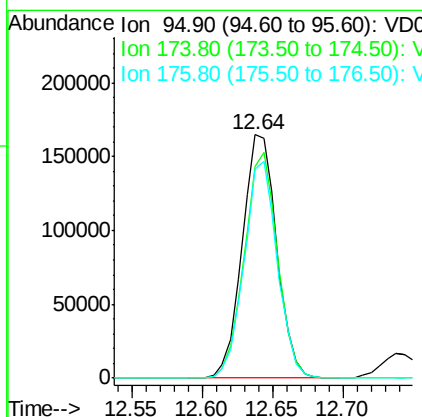
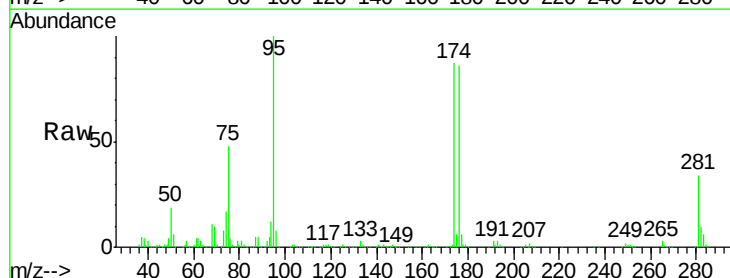
Manual Integrations
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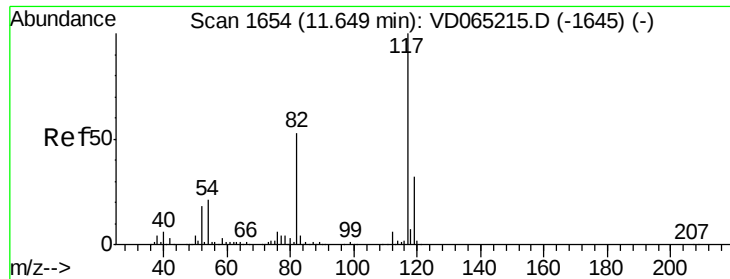
MMDadoda
 2/25/2020 5:15:17 PM



#62
 4-Bromofluorobenzene
 Concen: 50.324 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
95	100		
174	90.0	0.0	178.0
176	86.0	0.0	174.4





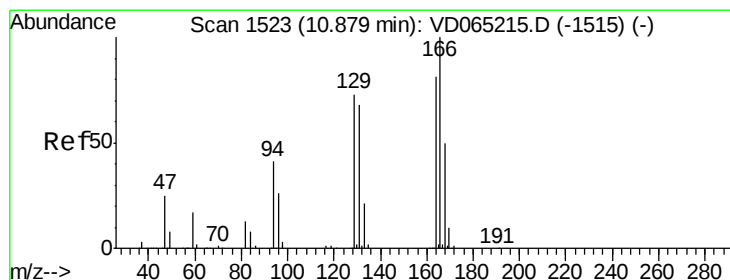
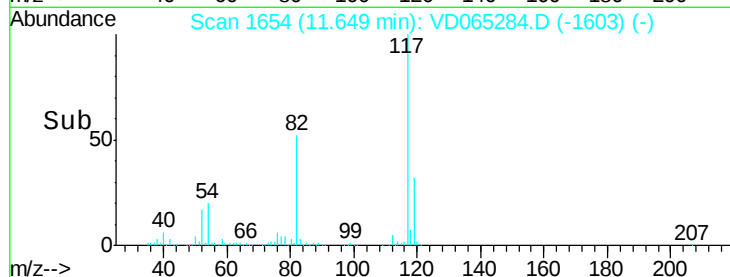
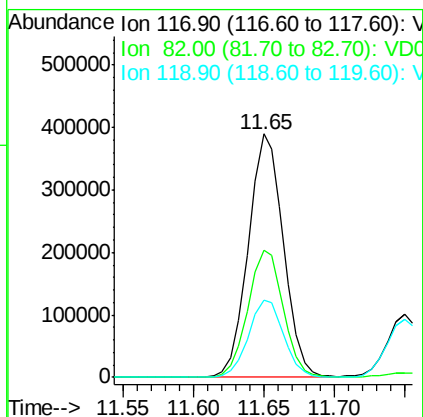
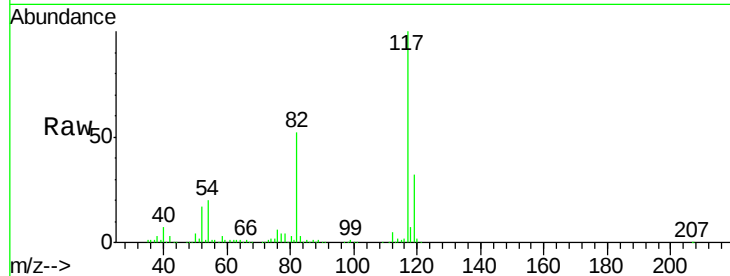
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	680170		
82	52.2		42.7	64.1
119	31.8		25.5	38.3

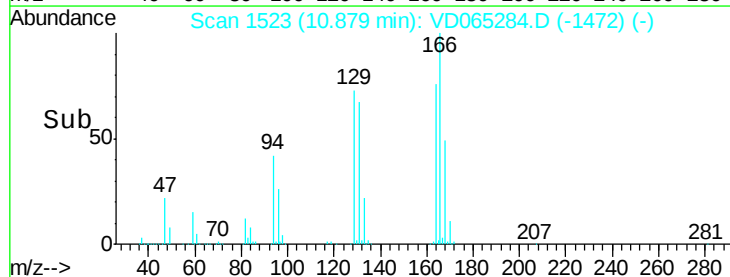
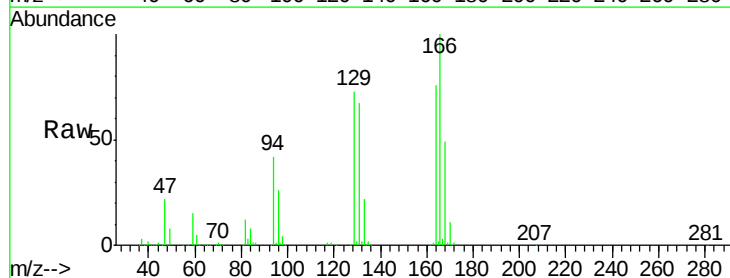
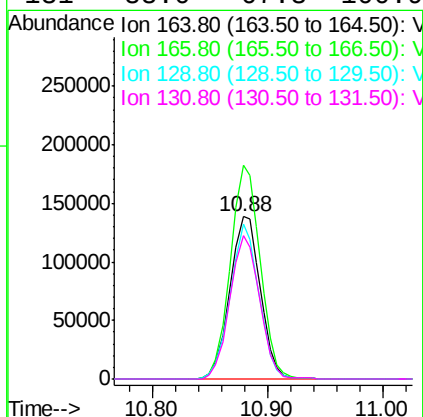
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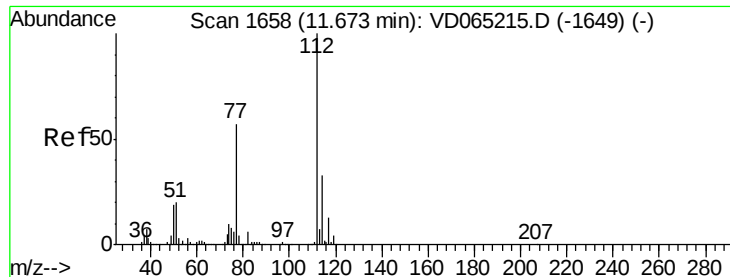
MMDadoda
2/25/2020 5:15:17 PM



#64
Tetrachloroethene
Concen: 52.476 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	253143		
166	131.5		98.4	147.6
129	95.5		71.6	107.4
131	88.0		67.3	100.9





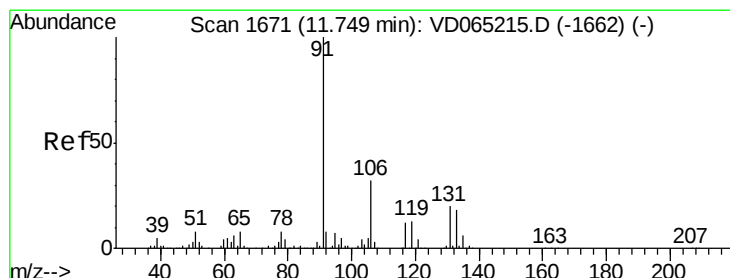
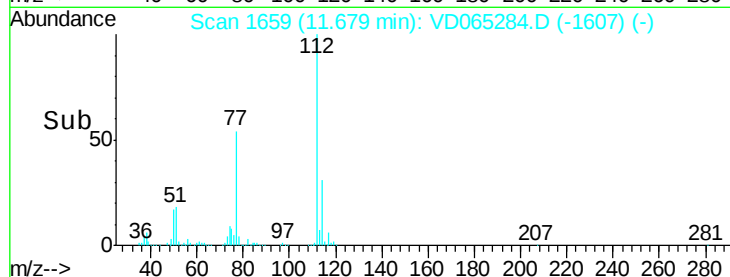
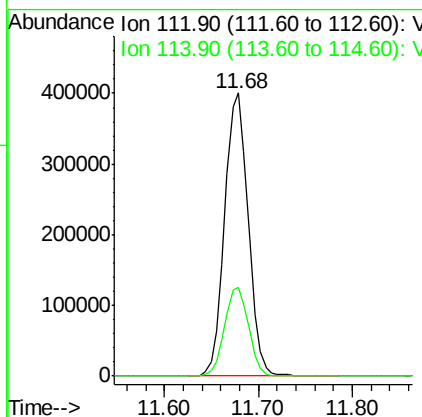
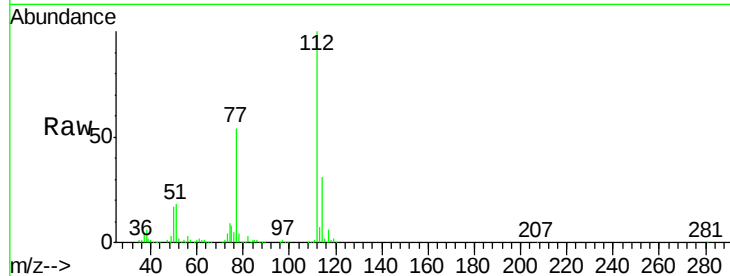
#65
Chlorobenzene
Concen: 51.223 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 699156
Ion Ratio Lower Upper
112 100
114 31.4 26.4 39.6

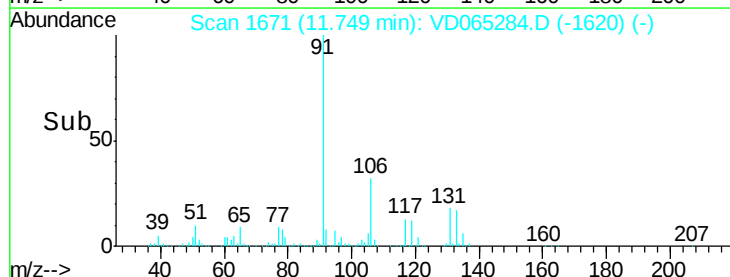
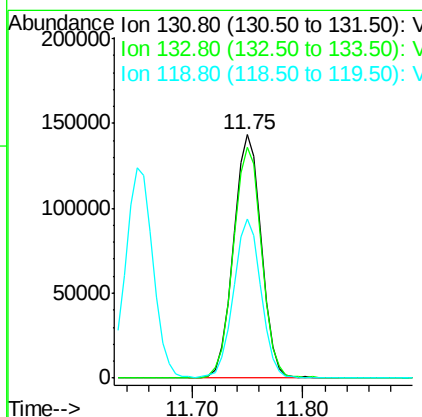
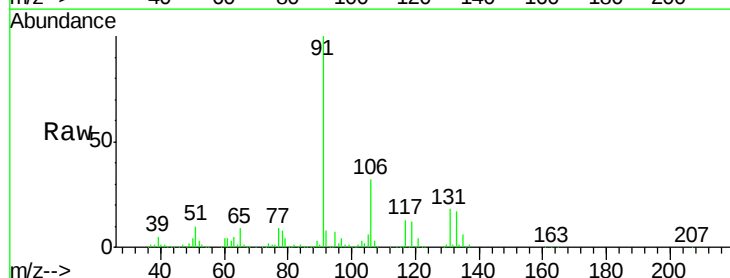
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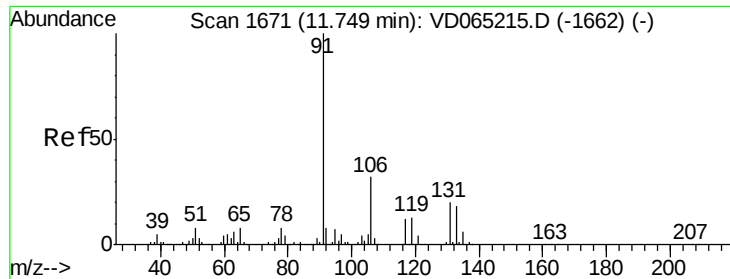
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#66
1,1,1,2-Tetrachloroethane
Concen: 49.952 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion:131 Resp: 254433
Ion Ratio Lower Upper
131 100
133 96.5 47.7 143.1
119 64.6 32.7 98.1





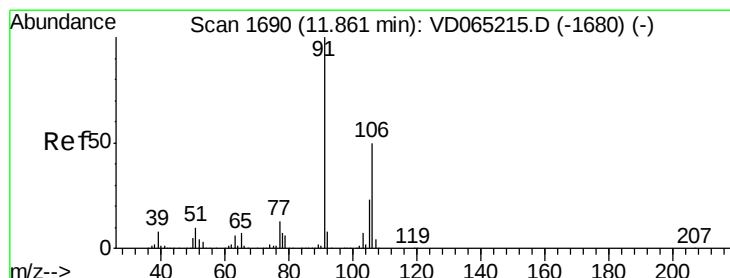
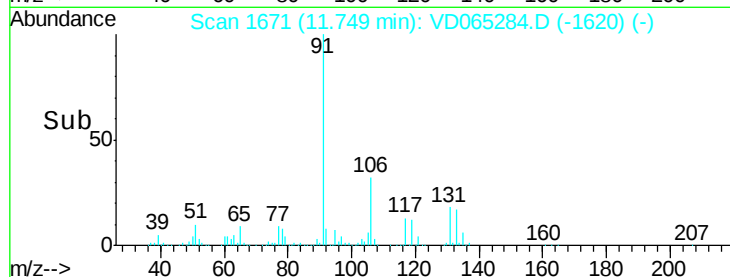
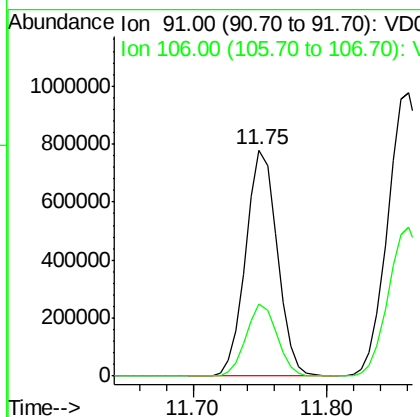
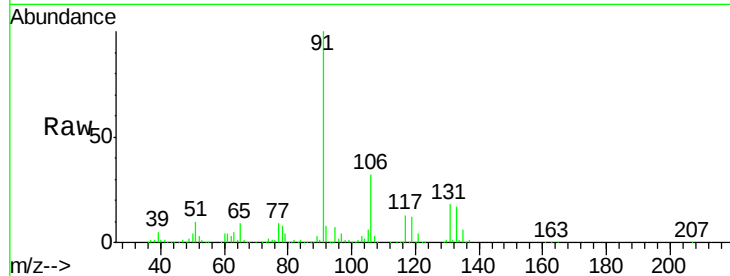
#67
Ethyl Benzene
Concen: 53.156 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1270705
Ion Ratio Lower Upper
91 100
106 32.1 25.2 37.8

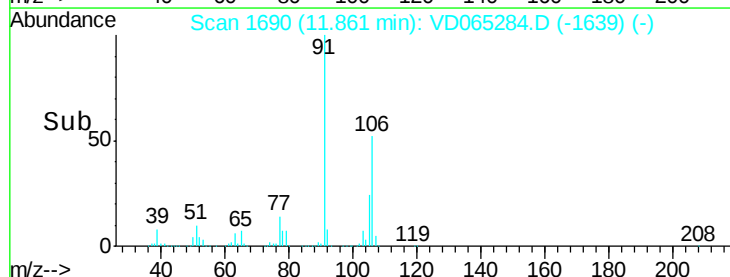
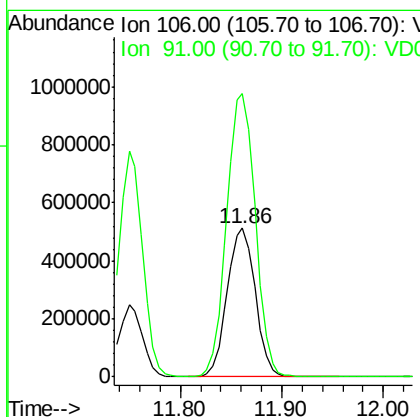
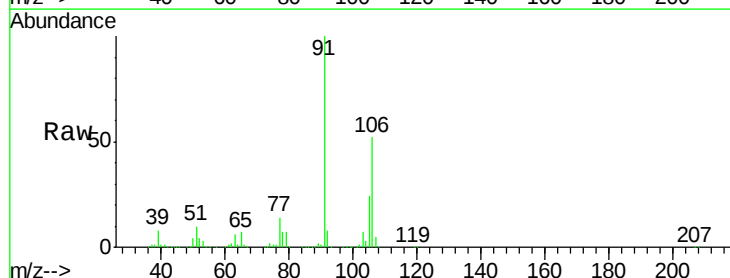
Manual Integrations
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#68
m/p-Xylenes
Concen: 107.851 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 106 Resp: 986403
Ion Ratio Lower Upper
106 100
91 194.4 158.2 237.4





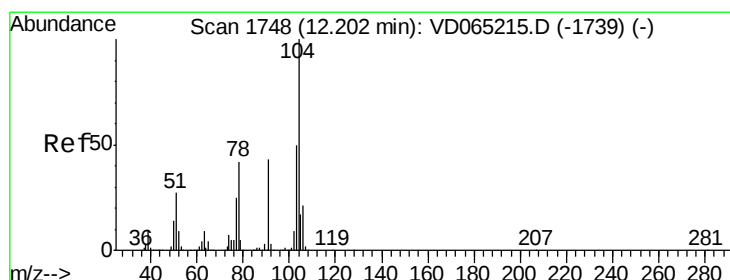
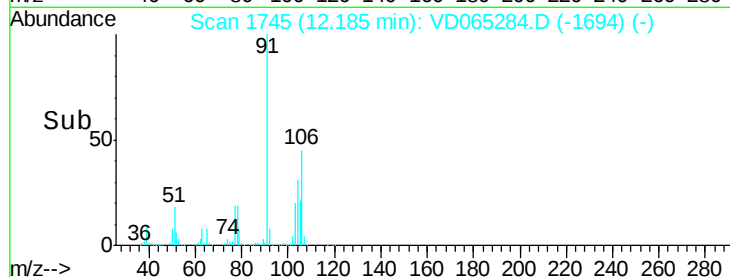
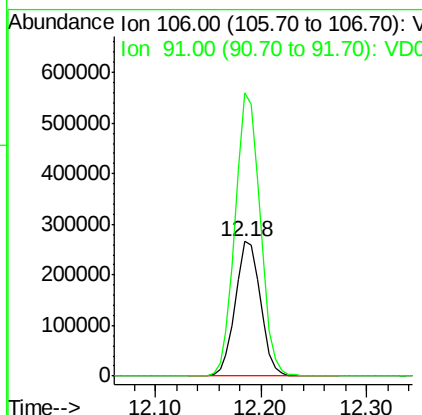
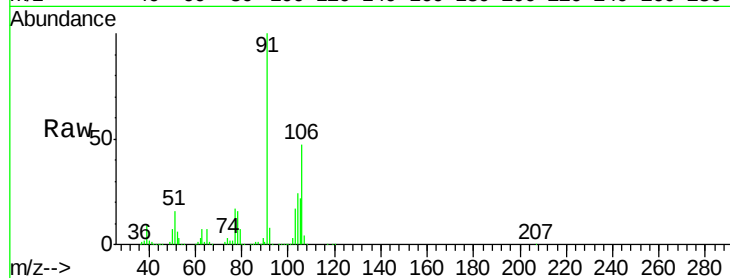
#69
o-Xylene
Concen: 53.992 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		437490		
91	209.4	104.7	313.9		

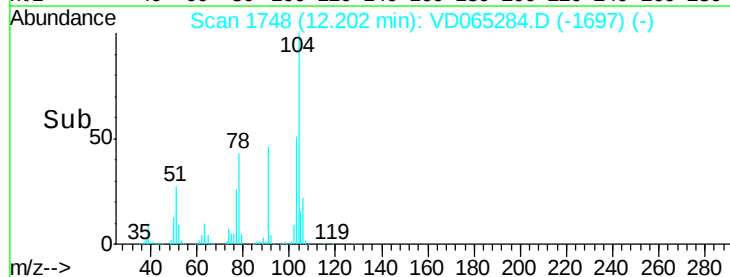
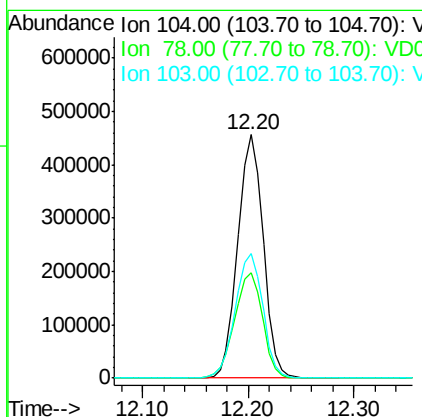
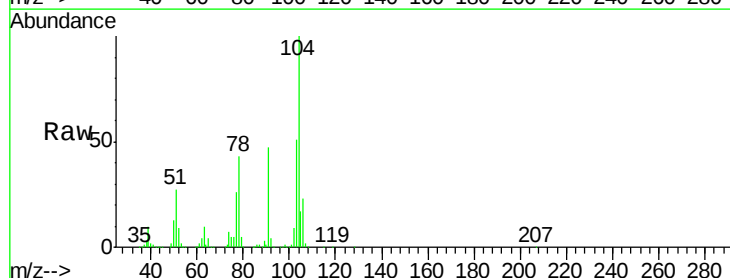
Manual Integrations
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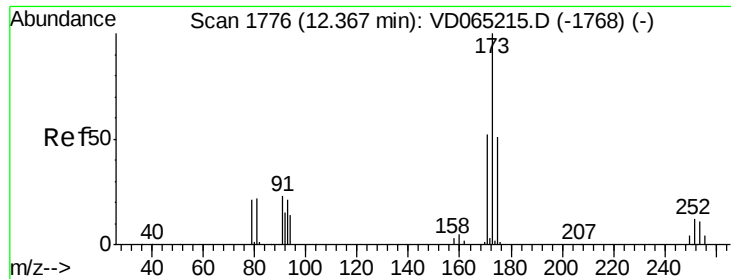
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#70
Styrene
Concen: 52.988 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		762308		
78	47.4	37.8	56.6		
103	55.3	43.4	65.2		





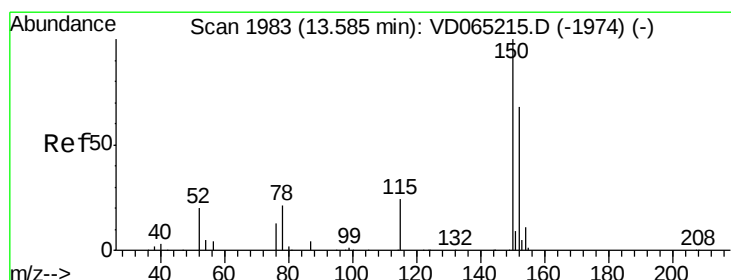
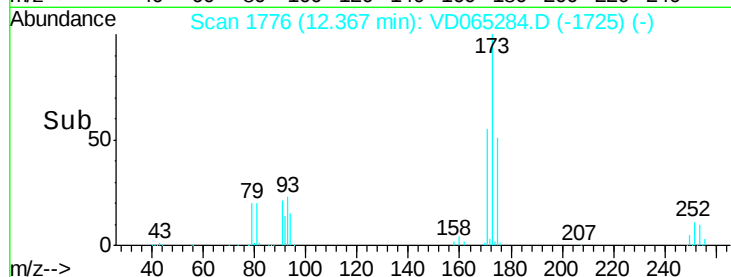
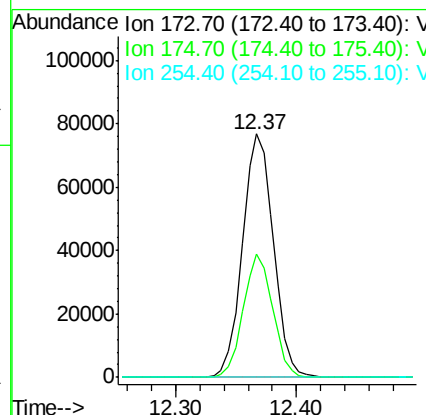
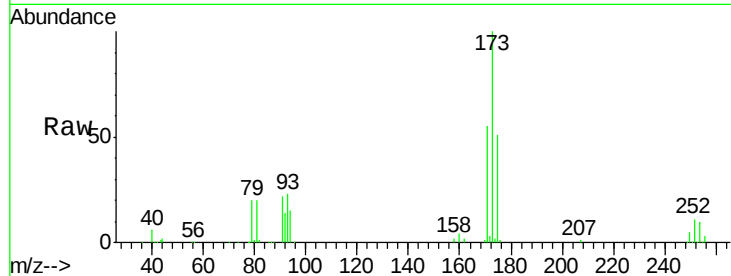
#71
Bromoform
Concen: 48.498 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.5	24.4	73.4
254	0.2	0.0	0.0

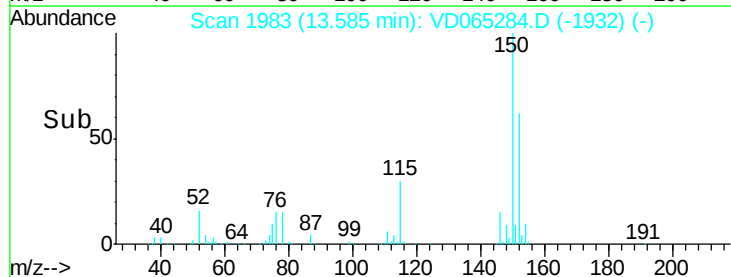
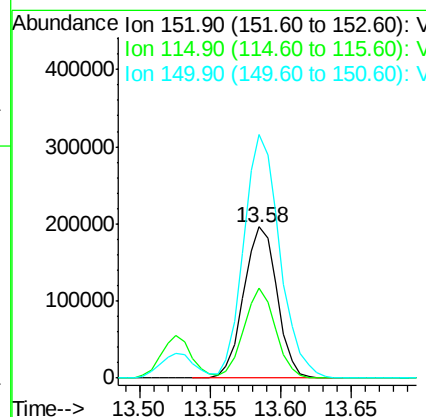
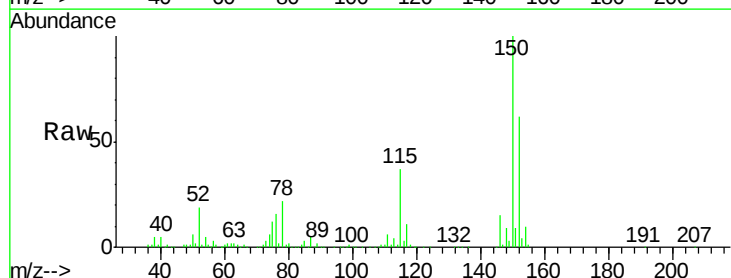
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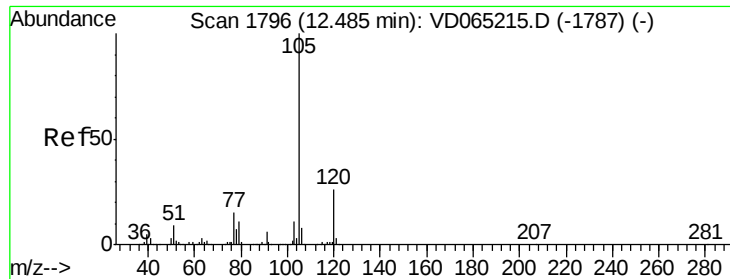
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.4	27.6	82.8
150	173.6	0.0	347.4





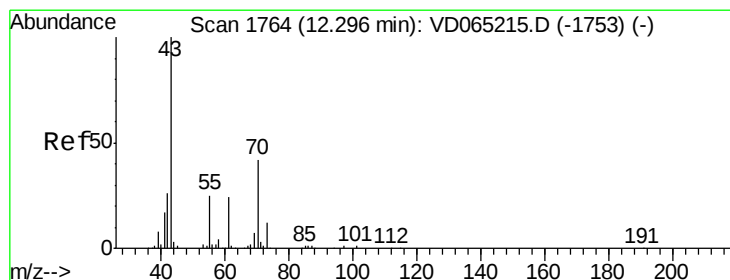
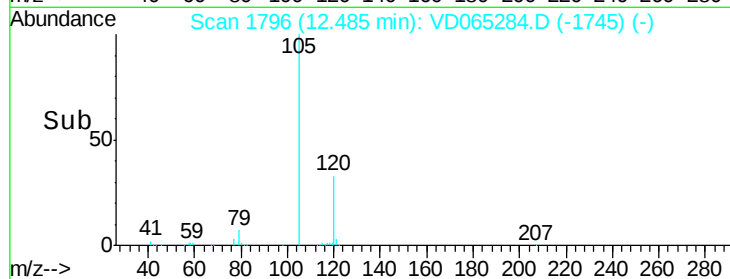
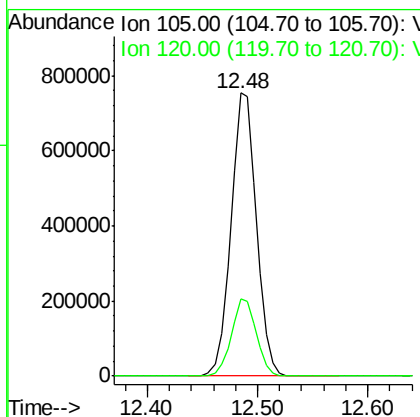
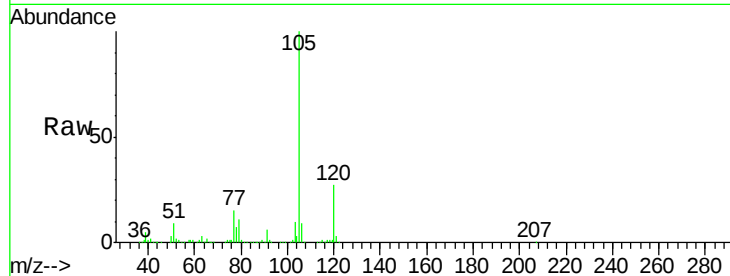
#73
Isopropylbenzene
Concen: 56.456 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1215577
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

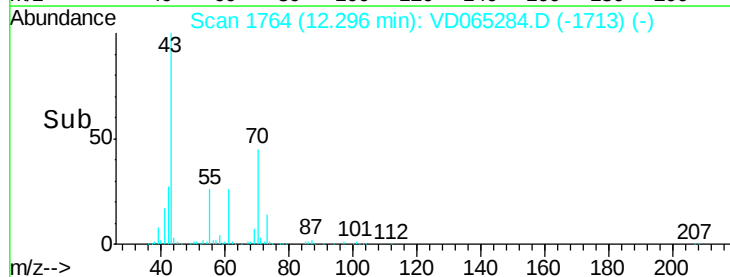
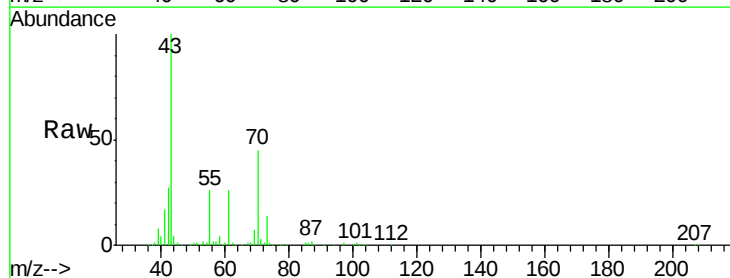
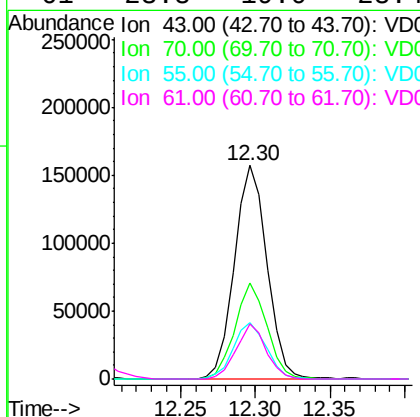
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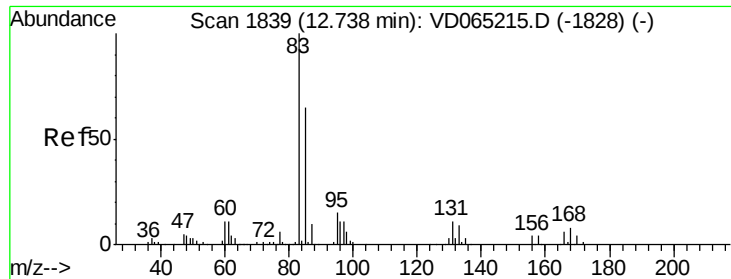
MMDadoda
2/25/2020 5:15:17 PM



#74
N-ethyl acetate
Concen: 49.972 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 43 Resp: 239084
Ion Ratio Lower Upper
43 100
70 43.9 33.7 50.5
55 26.9 20.7 31.1
61 23.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 49.144 ug/l

RT: 12.74 min Scan# 1840

Delta R.T. 0.01 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

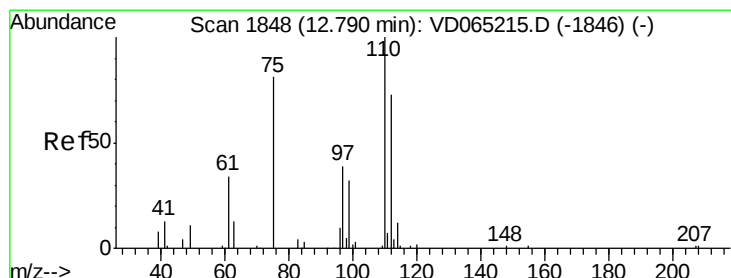
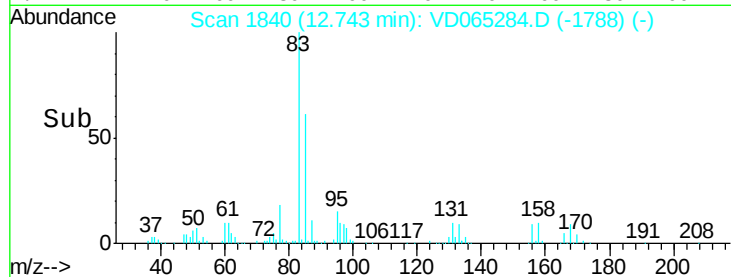
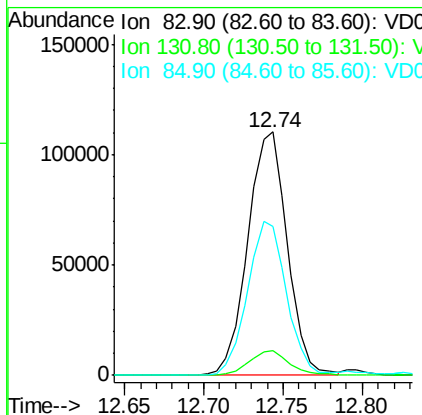
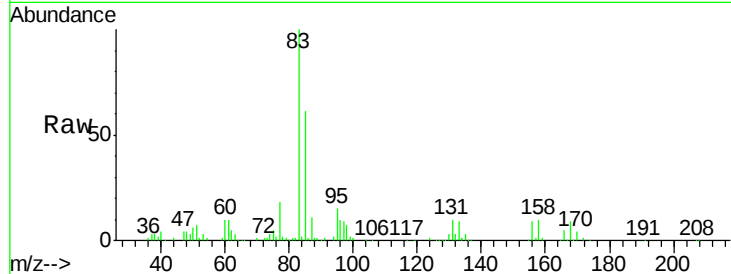
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	190970
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.4	16.2
85	62.2	31.6	94.8

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.748 ug/l m

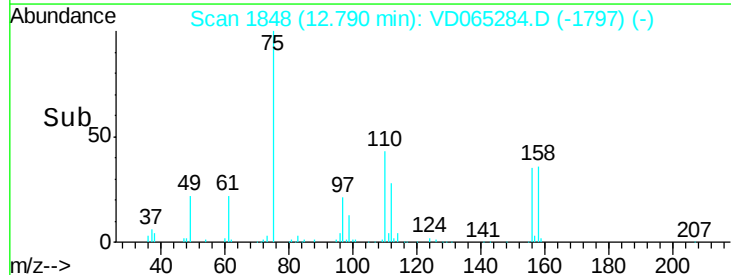
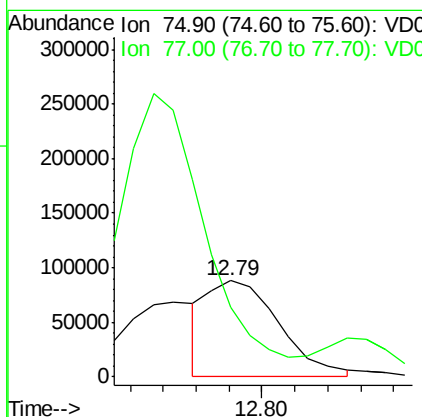
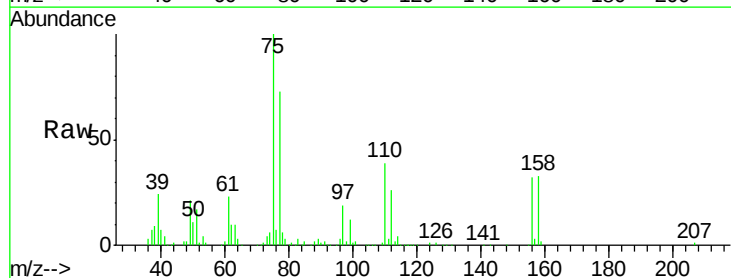
RT: 12.79 min Scan# 1848

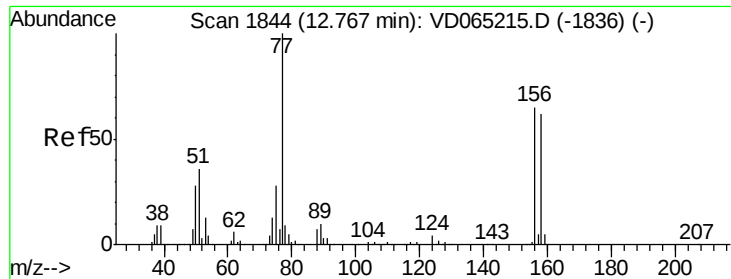
Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Tgt Ion:	75	Resp:	134891
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 52.448 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

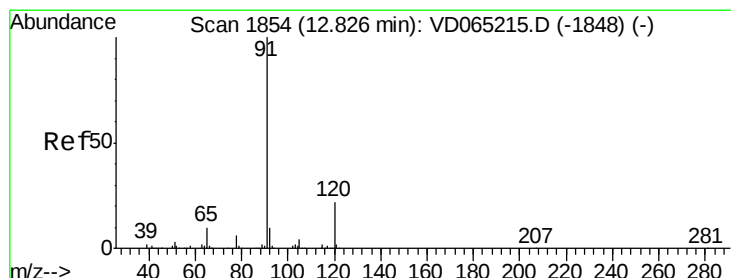
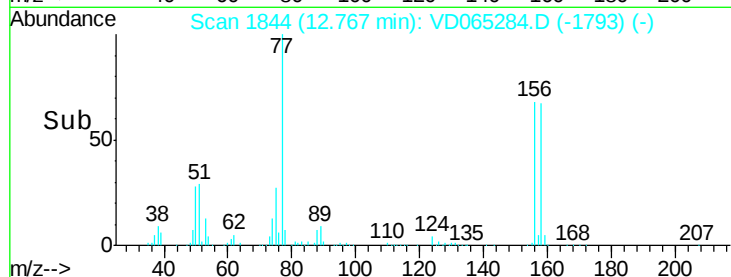
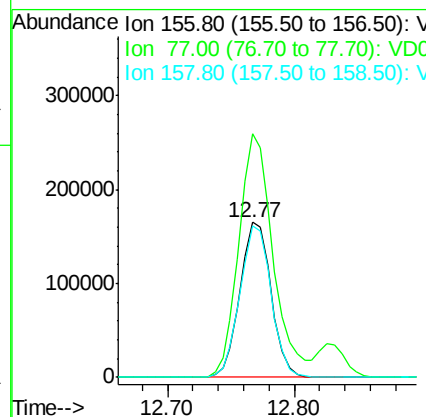
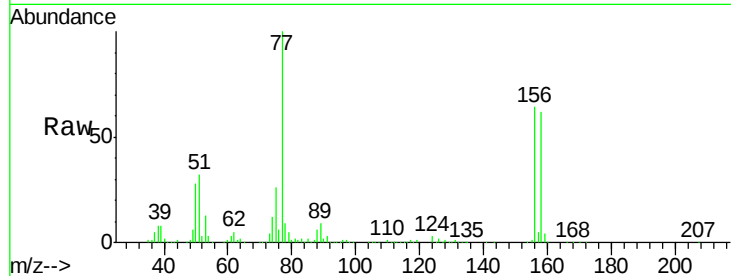
ClientSampleId :

VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
156	100		280418		
77	171.4	86.6	259.7		
158	98.0	48.1	144.3		

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#78

n-propylbenzene

Concen: 55.988 ug/l

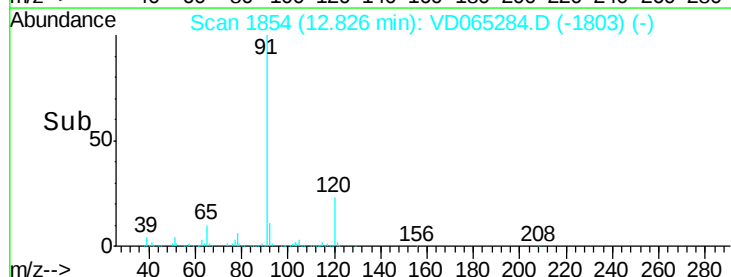
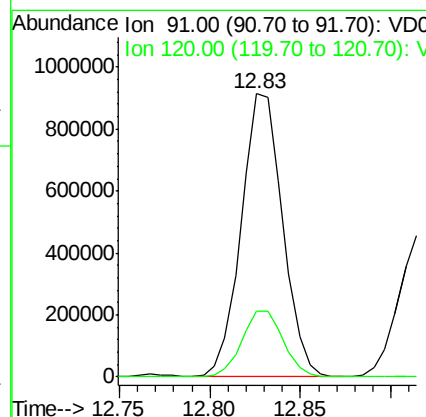
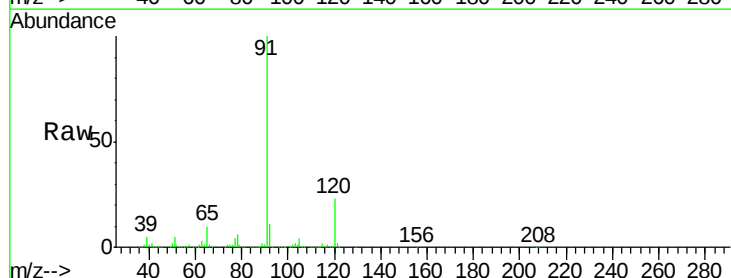
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		1448682		
120	23.4	11.5	34.5		





#79

2-Chlorotoluene

Concen: 53.922 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VD065284.D

Acq: 24 Feb 2020 10:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 781614

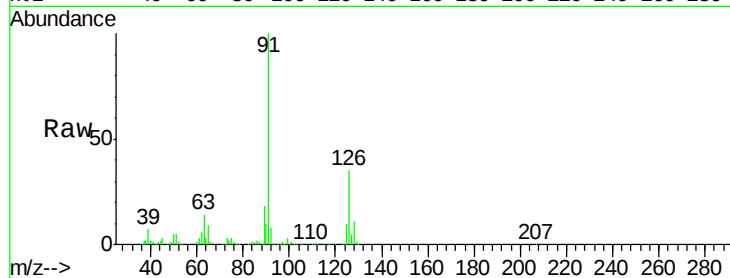
Ion Ratio Lower Upper

91 100

126 35.2 17.5 52.6

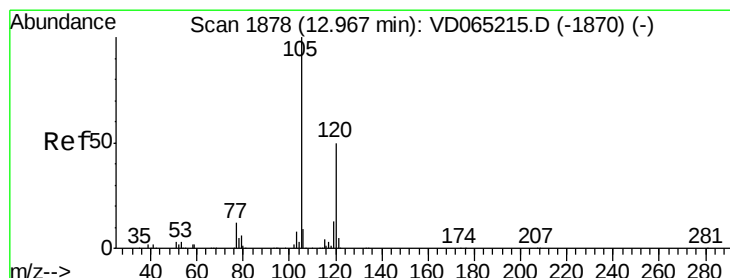
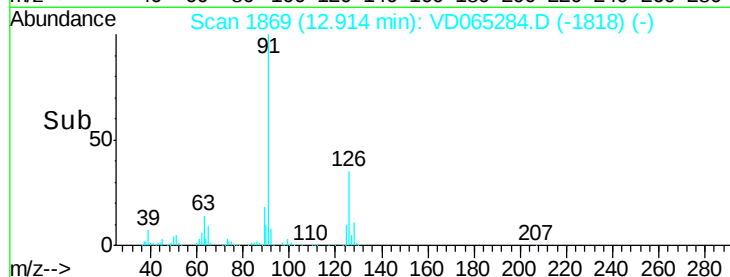
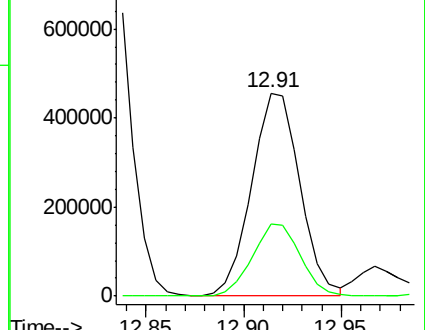
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 56.007 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.00 min

Lab File: VD065284.D

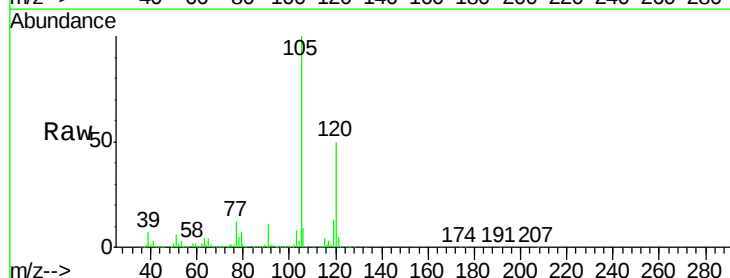
Acq: 24 Feb 2020 10:00

Tgt Ion: 105 Resp: 993216

Ion Ratio Lower Upper

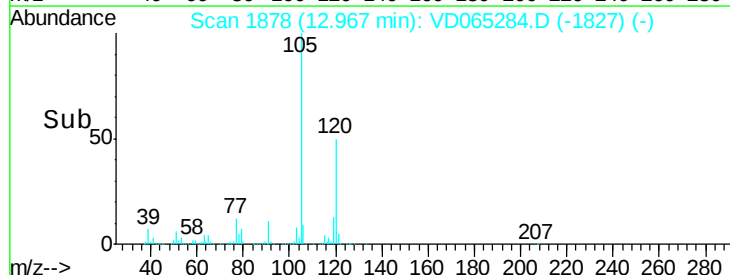
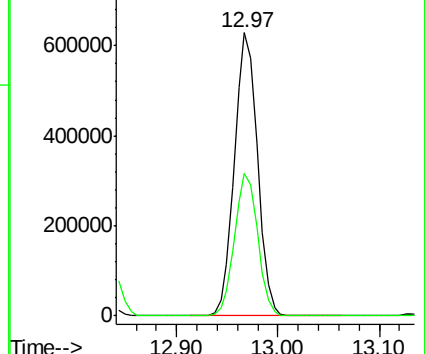
105 100

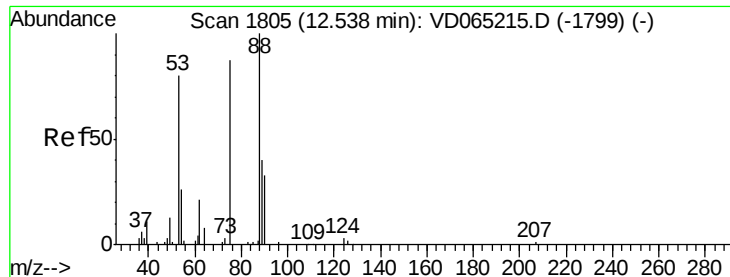
120 50.6 25.4 76.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





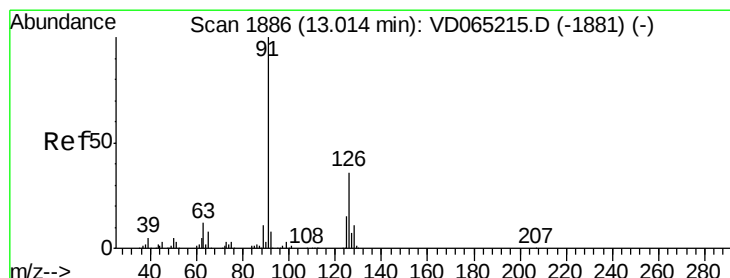
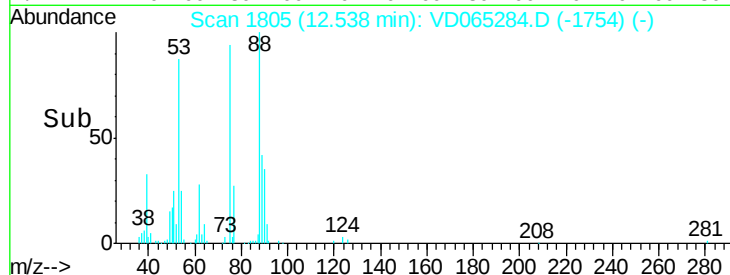
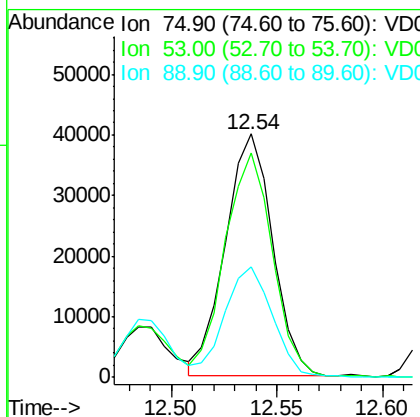
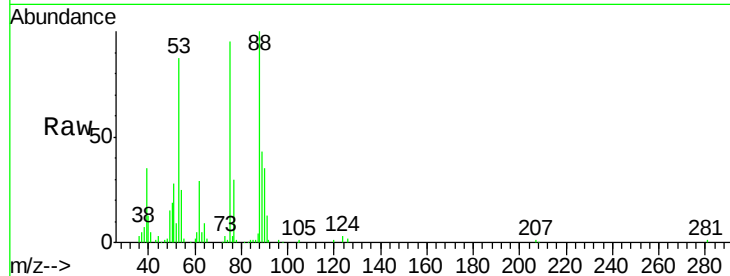
#81
trans-1,4-Dichloro-2-butene
Concen: 48.081 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	77.6	116.4
89	46.8	37.2	55.8

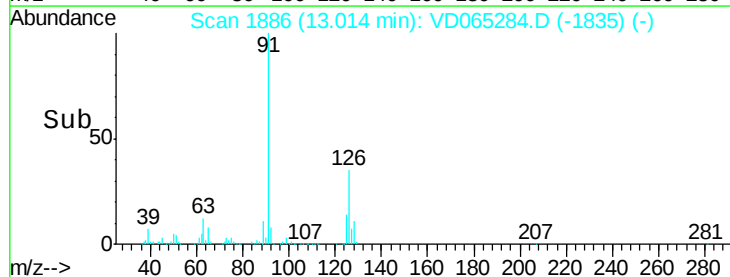
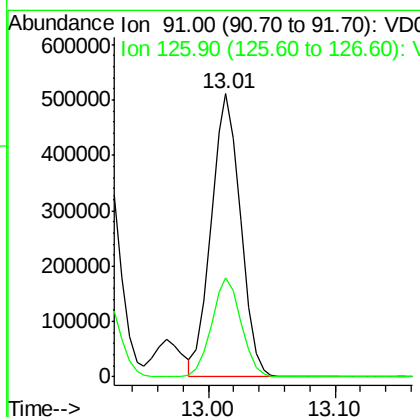
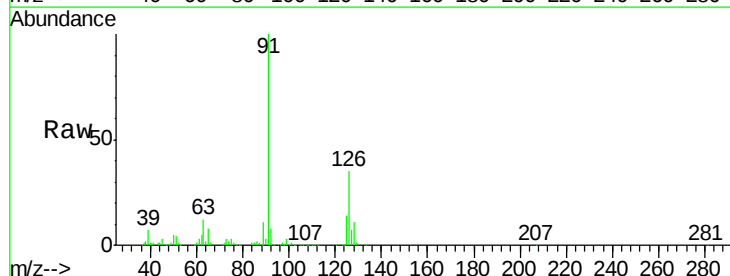
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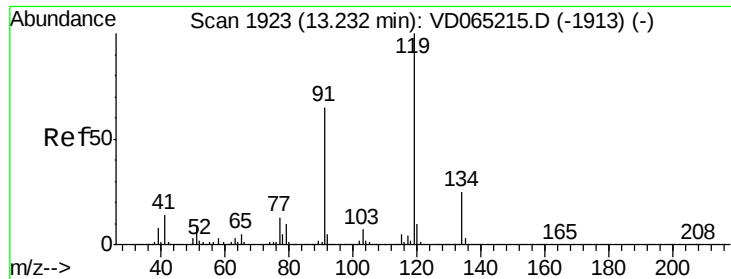
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#82
4-Chlorotoluene
Concen: 53.394 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.1	17.4	52.3





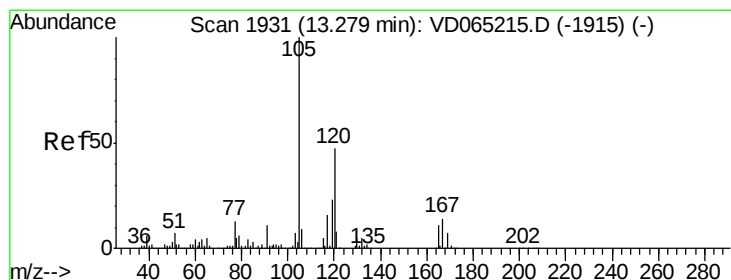
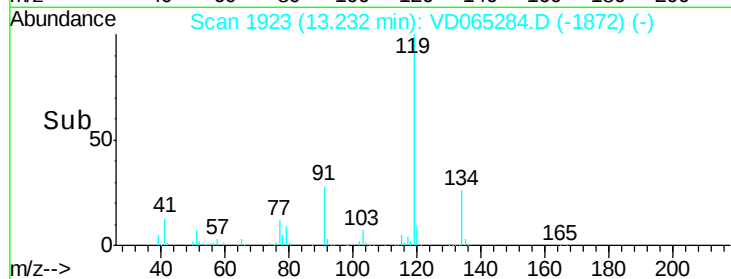
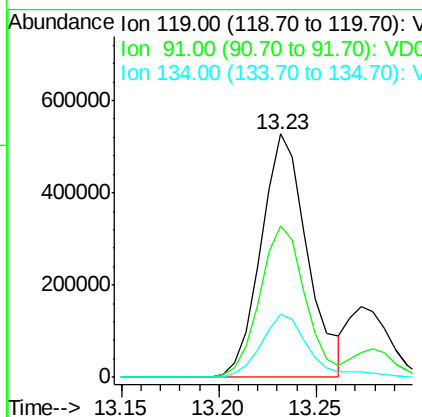
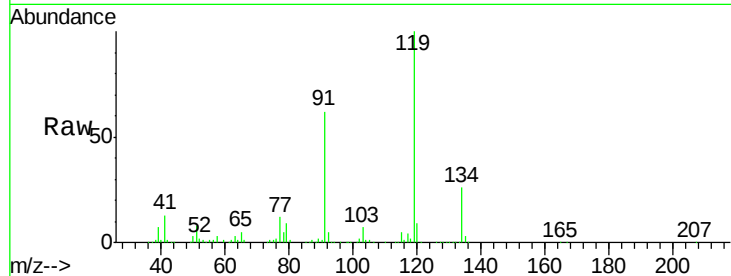
#83
tert-Butylbenzene
Concen: 58.476 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	869145		
91	60.9		31.9	95.5
134	26.8		13.8	41.3

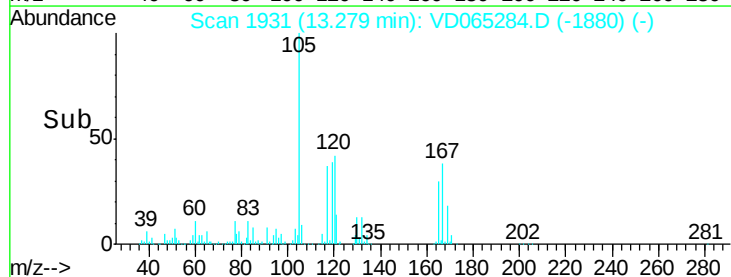
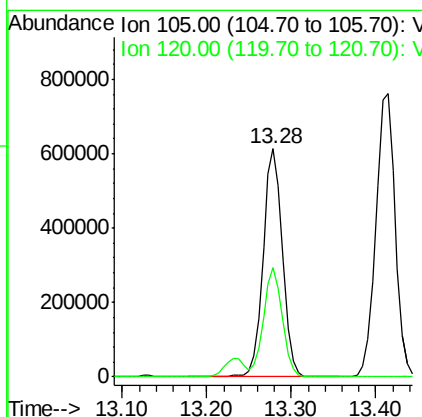
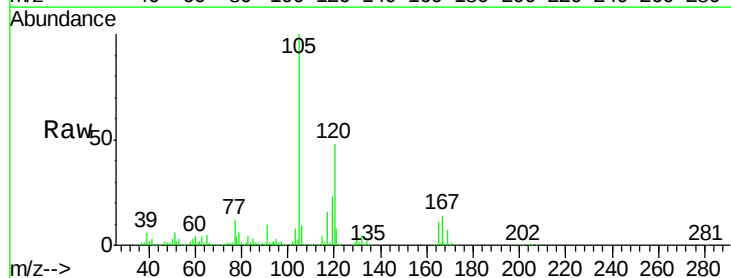
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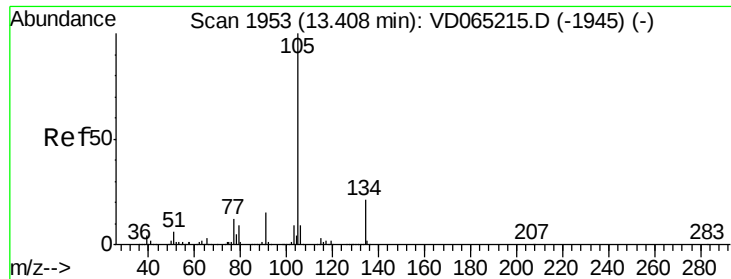
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#84
1,2,4-Trimethylbenzene
Concen: 54.949 ug/l
RT: 13.28 min Scan# 1931
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	975359		
120	46.8		23.3	69.9





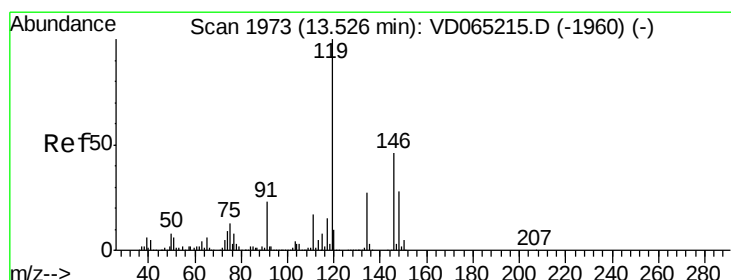
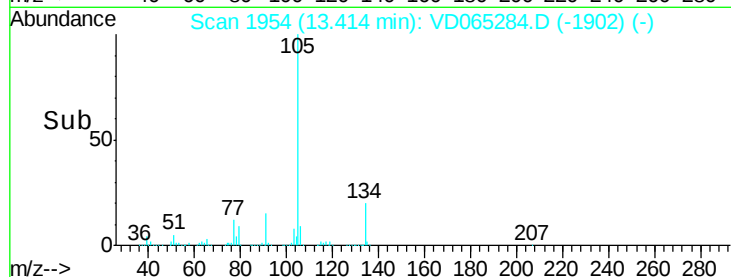
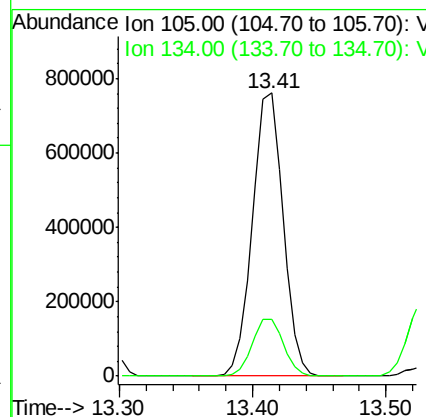
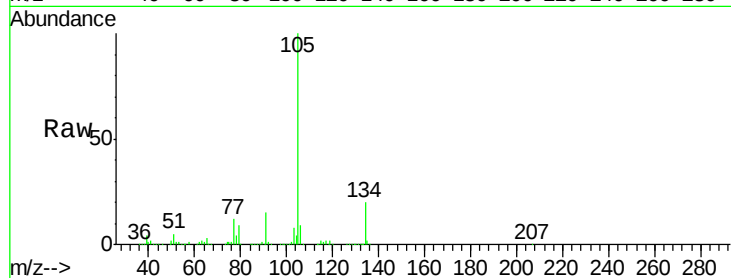
#85
 sec-Butylbenzene
 Concen: 56.314 ug/l
 RT: 13.41 min Scan# 1954
 Delta R.T. 0.01 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1206075
 Ion Ratio Lower Upper
 105 100
 134 20.5 10.3 30.9

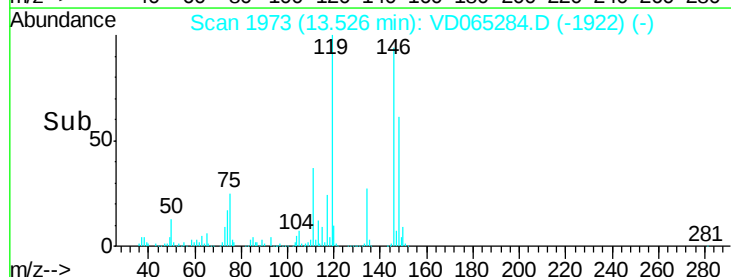
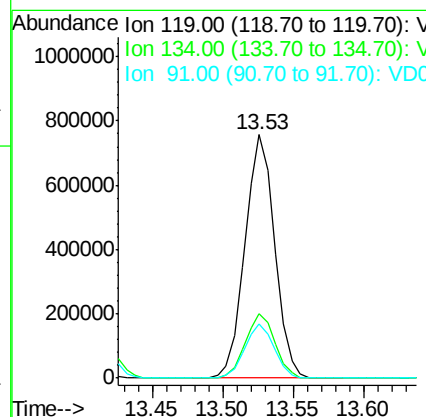
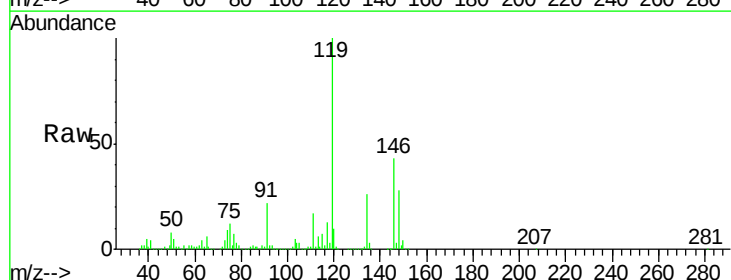
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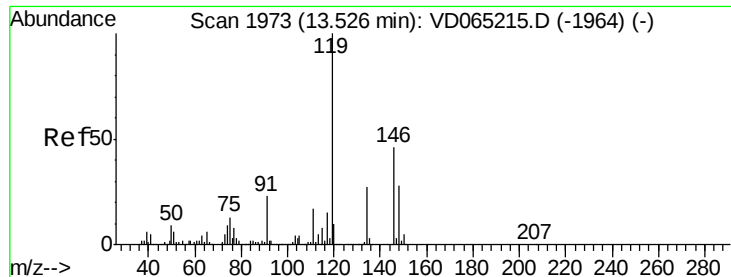
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#86
 p-Isopropyltoluene
 Concen: 56.839 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion:119 Resp: 1113242
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.3 39.8
 91 21.9 11.1 33.1





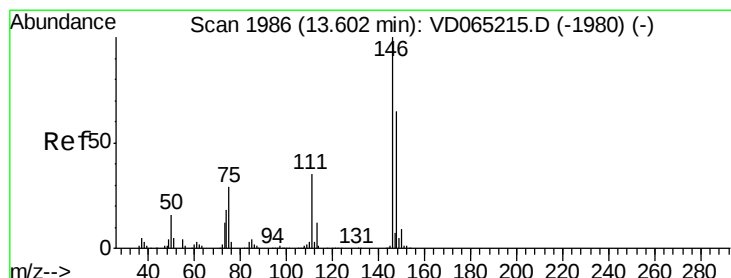
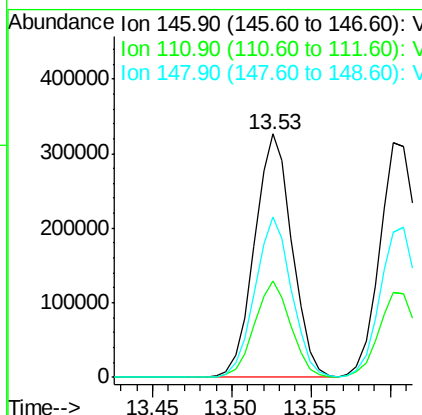
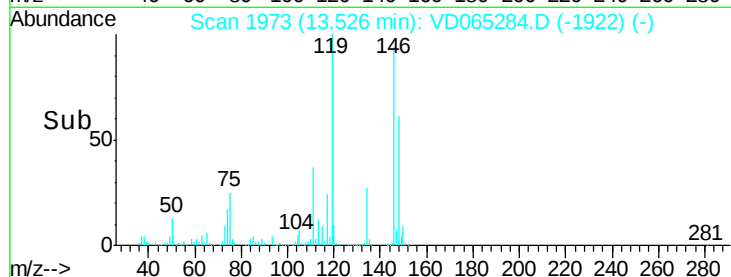
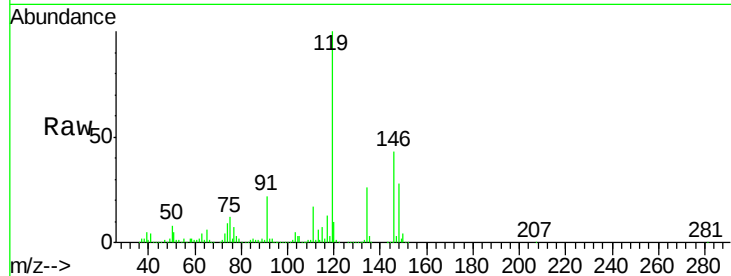
#87
 1,3-Dichlorobenzene
 Concen: 51.733 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	18.6	55.8
148	64.5	31.4	94.3

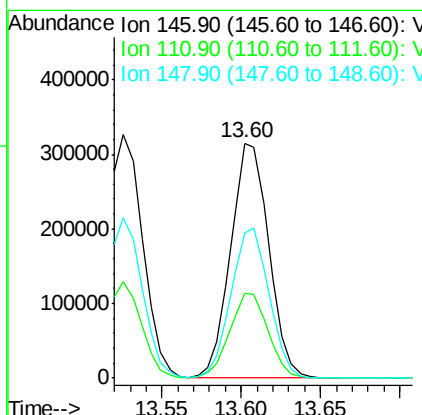
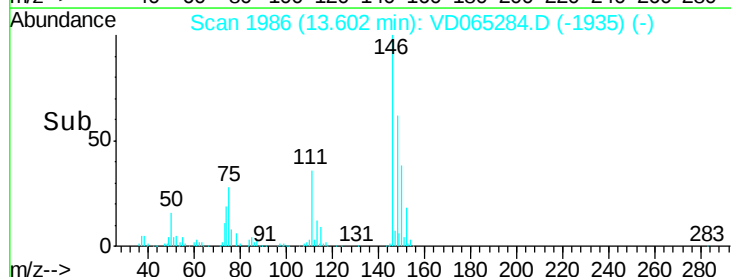
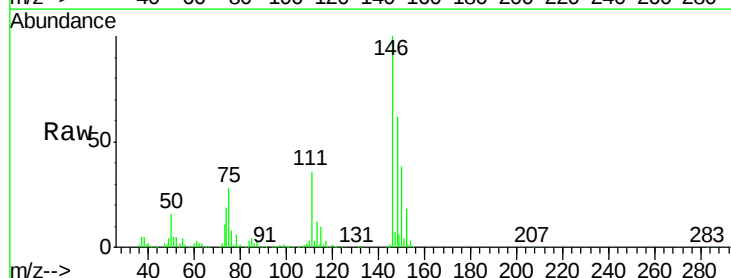
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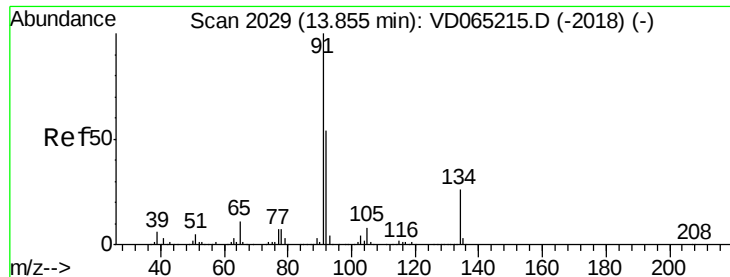
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#88
 1,4-Dichlorobenzene
 Concen: 51.353 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.4	18.4	55.2
148	63.9	32.1	96.5





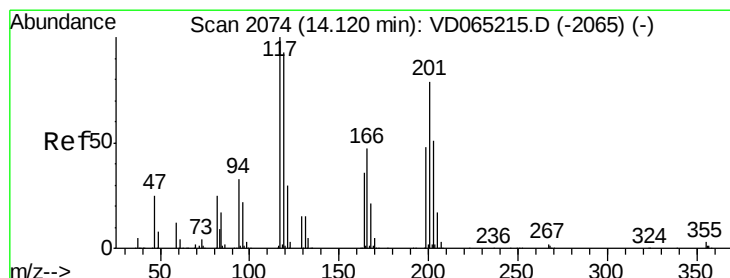
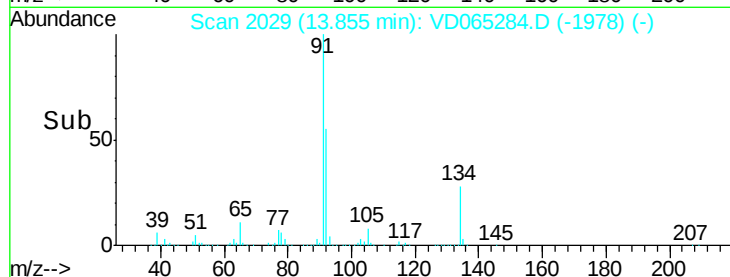
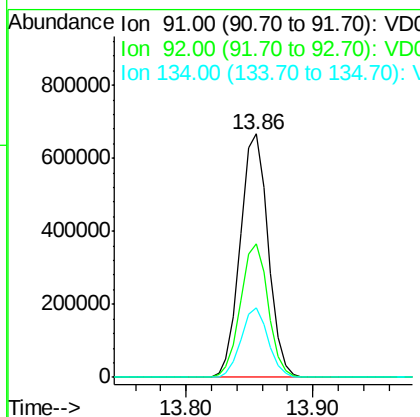
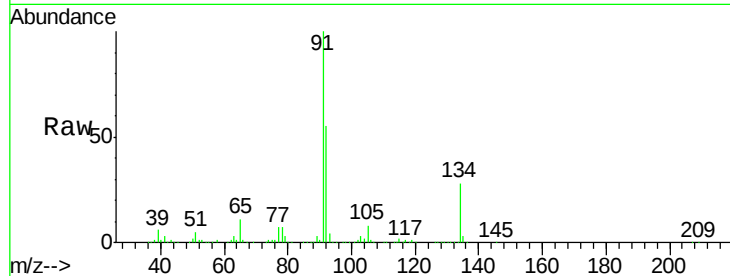
#89
n-Butylbenzene
Concen: 56.351 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1017027
Ion Ratio Lower Upper
91 100
92 54.3 27.0 80.8
134 27.6 13.5 40.4

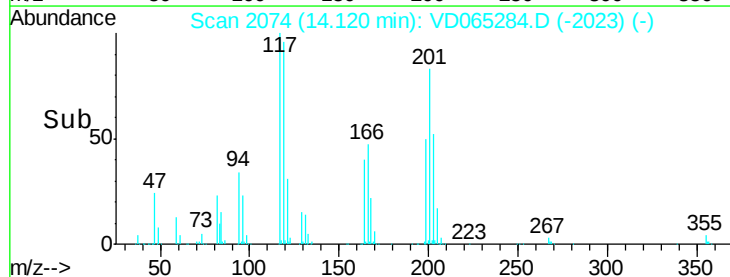
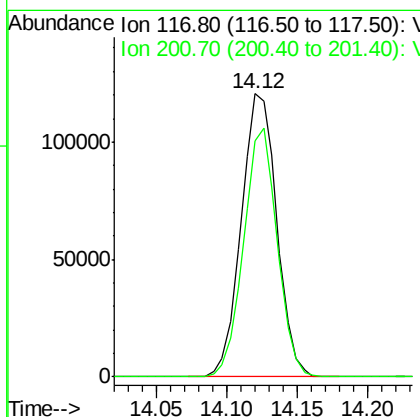
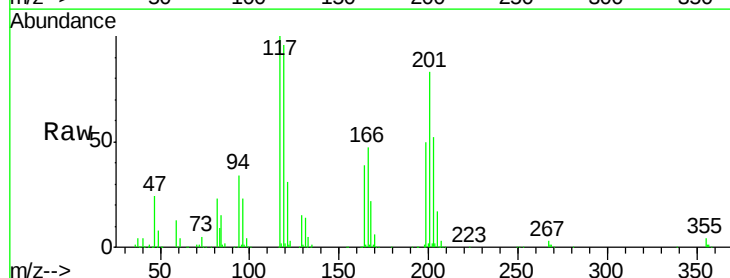
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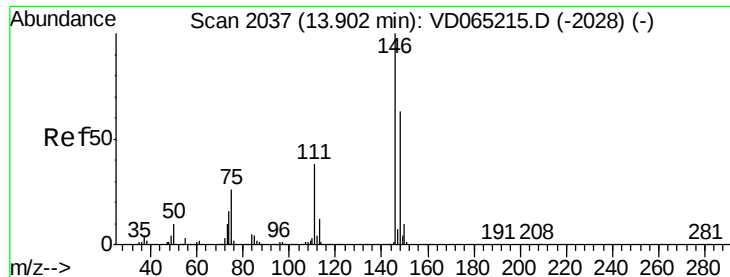
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#90
Hexachloroethane
Concen: 53.408 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion: 117 Resp: 212396
Ion Ratio Lower Upper
117 100
201 83.2 41.3 124.1





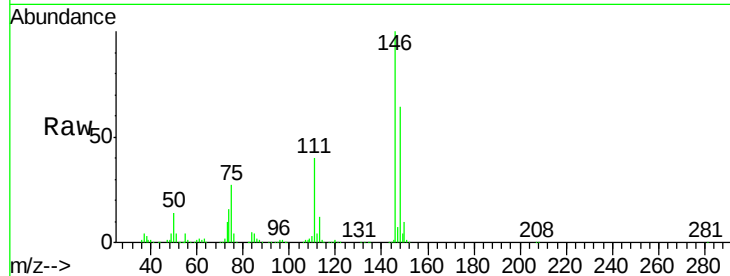
#91
 1,2-Dichlorobenzene
 Concen: 51.265 ug/l
 RT: 13.90 min Scan# 2037
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

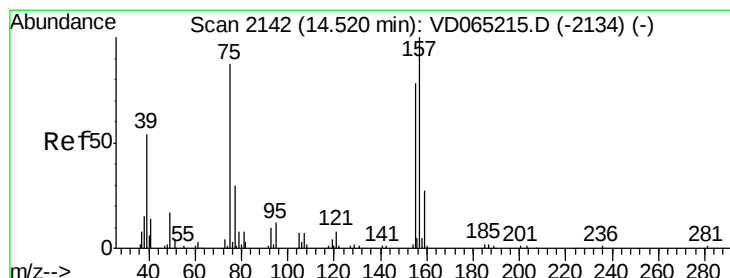
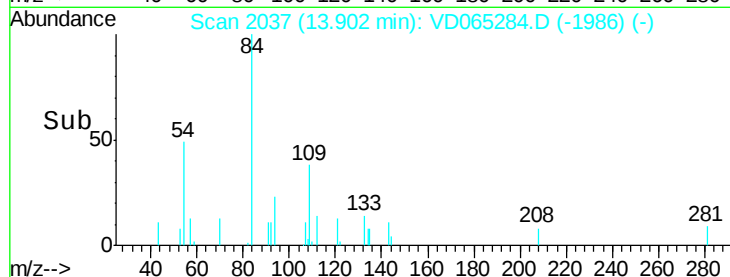
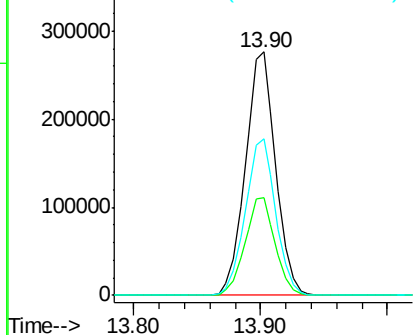
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.8	19.7	59.0
148	64.6	32.0	96.2

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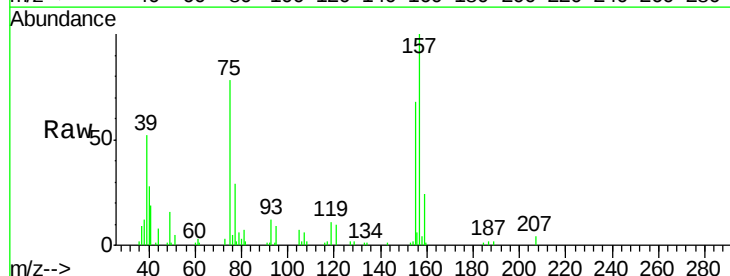


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

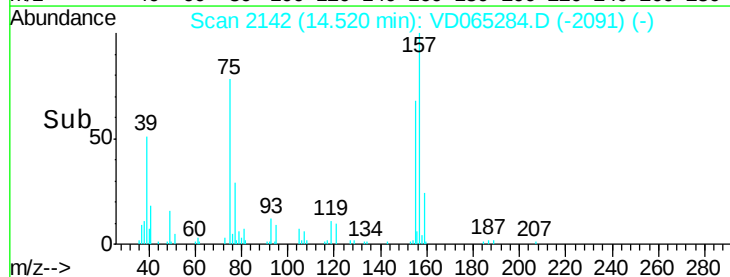
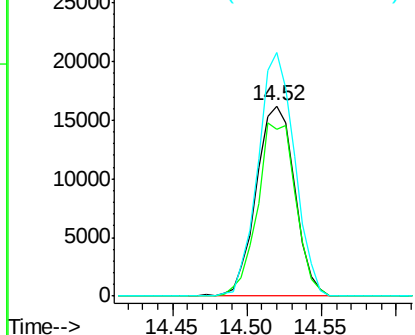


#92
 1,2-Dibromo-3-Chloropropane
 Concen: 48.253 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.1	42.3	126.9
157	121.7	56.7	170.1



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





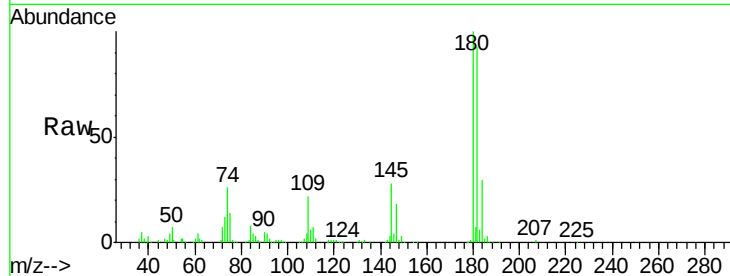
#93
 1,2,4-Trichlorobenzene
 Concen: 54.575 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

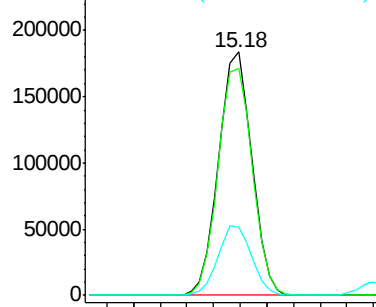
Tot Ion:	180	Resp:	316819
Ion Ratio	Lower	Upper	
180	100		
182	96.4	46.9	140.6
145	28.9	13.9	41.7

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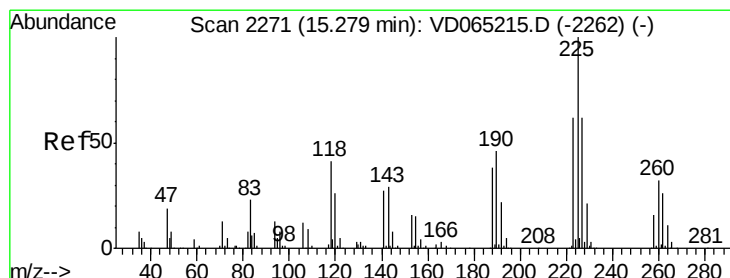
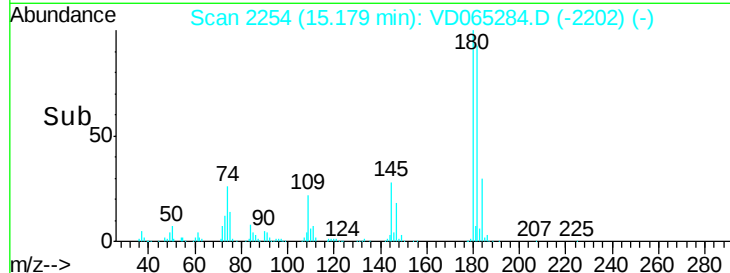
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 2/25/2020 5:15:17 PM



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

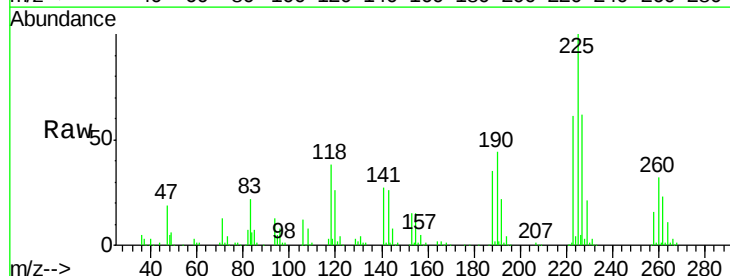


Time-->

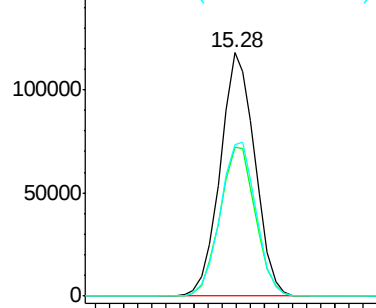


#94
 Hexachlorobutadiene
 Concen: 54.379 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065284.D
 Acq: 24 Feb 2020 10:00

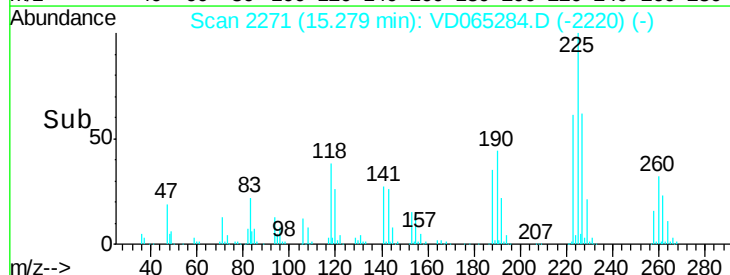
Tgt Ion:	225	Resp:	202505
Ion Ratio	Lower	Upper	
225	100		
223	63.0	31.4	94.2
227	65.1	31.7	95.1

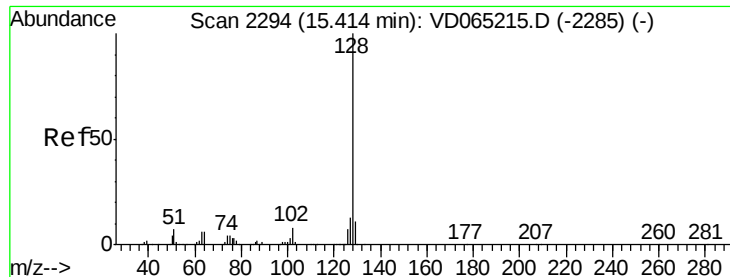


Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V



Time-->





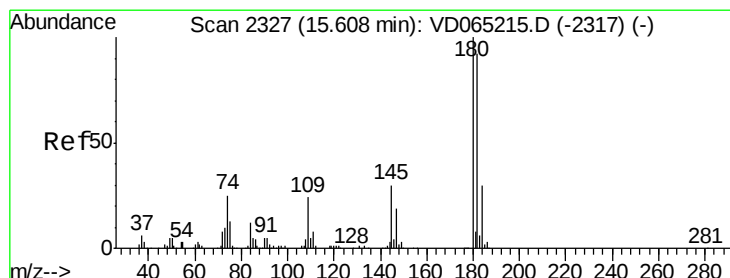
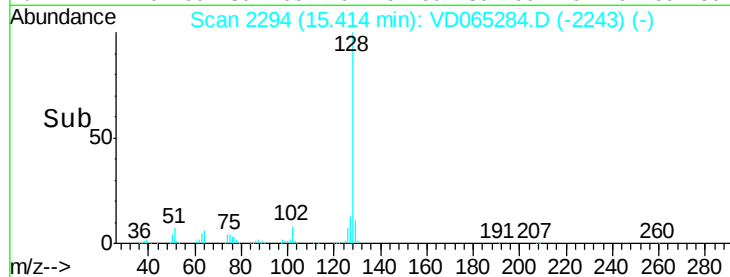
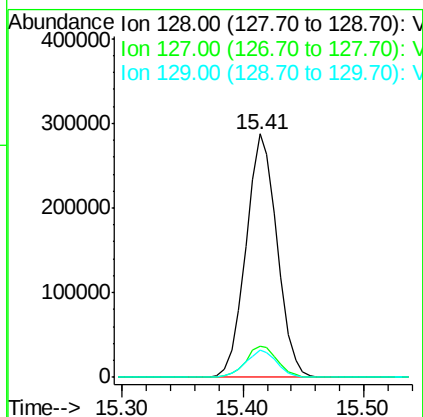
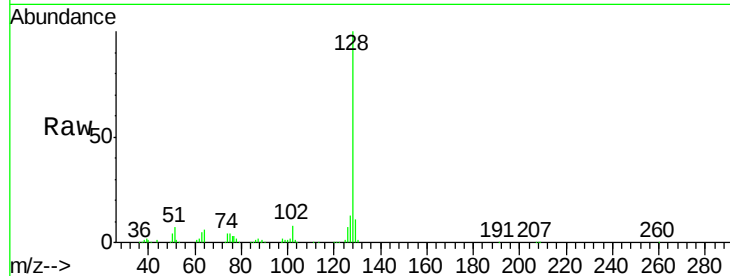
#95
Naphthalene
Concen: 54.423 ug/l
RT: 15.41 min Scan# 2294
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.0	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/25/2020 5:15:17 PM



#96
1,2,3-Trichlorobenzene
Concen: 53.380 ug/l
RT: 15.61 min Scan# 2327
Delta R.T. 0.00 min
Lab File: VD065284.D
Acq: 24 Feb 2020 10:00

Tgt Ion	Ratio	Resp Lower	Upper
180	100		
182	96.2	46.9	140.6
145	30.4	15.4	46.1

