

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD022120\
 Data File : VD065267.D
 Acq On : 21 Feb 2020 11:00
 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
 2/24/2020 11:08:45 AM

Quant Time: Feb 22 02:27:31 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	497860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	740672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	667647	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	326052	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	203438	45.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.84%	
35) Dibromofluoromethane	7.92	113	211670	46.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.74%	
50) Toluene-d8	10.34	98	833065	48.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.64	95	261847	47.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.76%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	218097	52.230	ug/l	99
3) Chloromethane	2.21	50	260212	48.958	ug/l	96
4) Vinyl Chloride	2.36	62	264415	48.924	ug/l	94
5) Bromomethane	2.78	94	160262	49.043	ug/l	95
6) Chloroethane	2.93	64	163559	49.578	ug/l	100
7) Trichlorofluoromethane	3.27	101	371333	47.990	ug/l	98
8) Diethyl Ether	3.71	74	110770	47.426	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.09	101	241829	49.490	ug/l	99
10) Methyl Iodide	4.30	142	270078	53.233	ug/l	98
11) Tert butyl alcohol	5.24	59	54672	204.278	ug/l	99
12) 1,1-Dichloroethene	4.06	96	228762	49.559	ug/l	96
13) Acrolein	3.92	56	78210	237.051	ug/l	97
14) Allyl chloride	4.71	41	370419	49.417	ug/l	99
15) Acrylonitrile	5.44	53	240198	232.283	ug/l	99
16) Acetone	4.16	43	274174	250.425	ug/l	94
17) Carbon Disulfide	4.40	76	768378	49.652	ug/l	98
18) Methyl Acetate	4.73	43	110538	44.891	ug/l	99
19) Methyl tert-butyl Ether	5.48	73	459188	47.704	ug/l	100
20) Methylene Chloride	4.97	84	253829	52.290	ug/l	93
21) trans-1,2-Dichloroethene	5.47	96	263653	50.244	ug/l	100
22) Diisopropyl ether	6.37	45	721576	49.935	ug/l	99
23) Vinyl Acetate	6.31	43	1992340	250.094	ug/l	99
24) 1,1-Dichloroethane	6.27	63	437098	48.767	ug/l	99
25) 2-Butanone	7.22	43	324419	234.203	ug/l	100
26) 2,2-Dichloropropane	7.21	77	382250	49.154	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	275092	49.492	ug/l	99
28) Bromochloromethane	7.56	49	158368	47.626	ug/l	100
29) Tetrahydrofuran	7.57	42	191779	236.290	ug/l	99
30) Chloroform	7.71	83	436026	48.287	ug/l	97
31) Cyclohexane	7.98	56	418624	47.537	ug/l	99
32) 1,1,1-Trichloroethane	7.91	97	391495	48.457	ug/l	100
36) 1,1-Dichloropropene	8.11	75	358154	49.697	ug/l	99
37) Ethyl Acetate	7.30	43	132108	43.849	ug/l	98
38) Carbon Tetrachloride	8.10	117	359766	49.038	ug/l	98

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	435227	51.369	ug/l	98
40) Benzene	8.36	78	1012043	49.752	ug/l	98
41) Methacrylonitrile	7.54	41	90665m	52.120	ug/l	
42) 1,2-Dichloroethane	8.43	62	264162	47.237	ug/l	100
43) Isopropyl Acetate	8.46	43	252400	46.070	ug/l	98
44) Trichloroethene	9.11	130	276655	49.064	ug/l	97
45) 1,2-Dichloropropane	9.39	63	248984	49.224	ug/l	98
46) Dibromomethane	9.48	93	126179	48.483	ug/l	98
47) Bromodichloromethane	9.67	83	332119	48.424	ug/l	97
48) Methyl methacrylate	9.46	41	133131	52.571	ug/l	95
49) 1,4-Dioxane	9.47	88	27530	901.922	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	654487	235.202	ug/l	99
52) Toluene	10.41	92	650611	51.672	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	313023	49.239	ug/l	96
54) cis-1,3-Dichloropropene	10.10	75	381606	49.710	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	175707	47.967	ug/l	97
56) Ethyl methacrylate	10.67	69	211475	50.018	ug/l	99
57) 1,3-Dichloropropane	10.95	76	306887	49.224	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	291323	218.553	ug/l	100
59) 2-Hexanone	10.99	43	494138	248.068	ug/l	97
60) Dibromochloromethane	11.14	129	224789	47.945	ug/l	99
61) 1,2-Dibromoethane	11.25	107	168092	48.466	ug/l	98
64) Tetrachloroethene	10.88	164	235802	49.798	ug/l	95
65) Chlorobenzene	11.68	112	662799	49.470	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.75	131	247268	49.456	ug/l	99
67) Ethyl Benzene	11.75	91	1208279	51.492	ug/l	100
68) m/p-Xylenes	11.86	106	930901	103.692	ug/l	100
69) o-Xylene	12.18	106	416066	52.311	ug/l	98
70) Styrene	12.20	104	735662	52.095	ug/l	100
71) Bromoform	12.37	173	130277	46.957	ug/l #	100
73) Isopropylbenzene	12.48	105	1144682	53.029	ug/l	100
74) N-amyl acetate	12.30	43	227147	47.356	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	183391	47.074	ug/l	100
76) 1,2,3-Trichloropropane	12.79	75	124788m	44.983	ug/l	
77) Bromobenzene	12.77	156	267207	49.850	ug/l	99
78) n-propylbenzene	12.83	91	1369123	52.779	ug/l	99
79) 2-Chlorotoluene	12.91	91	742348	51.083	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	930124	52.316	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.54	75	59397	46.230	ug/l	96
82) 4-Chlorotoluene	13.01	91	784313	50.838	ug/l	99
83) tert-Butylbenzene	13.23	119	779292	52.298	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	923181	51.878	ug/l	100
85) sec-Butylbenzene	13.41	105	1112739	51.824	ug/l	99
86) p-Isopropyltoluene	13.53	119	1030608	52.487	ug/l	100
87) 1,3-Dichlorobenzene	13.53	146	511808	49.390	ug/l	99
88) 1,4-Dichlorobenzene	13.61	146	500436	48.931	ug/l	99
89) n-Butylbenzene	13.86	91	957703	52.929	ug/l	99
90) Hexachloroethane	14.12	117	196203	49.211	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	435267	48.920	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.52	75	26162	43.577	ug/l	93

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Manual Integrations
APPROVED

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QLast Update : Wed Feb 19 03:26:54 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.18	180	297485	51.114	ug/l	99
94) Hexachlorobutadiene	15.28	225	183127	49.050	ug/l	99
95) Naphthalene	15.41	128	480553	50.790	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	255090	50.185	ug/l	99

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

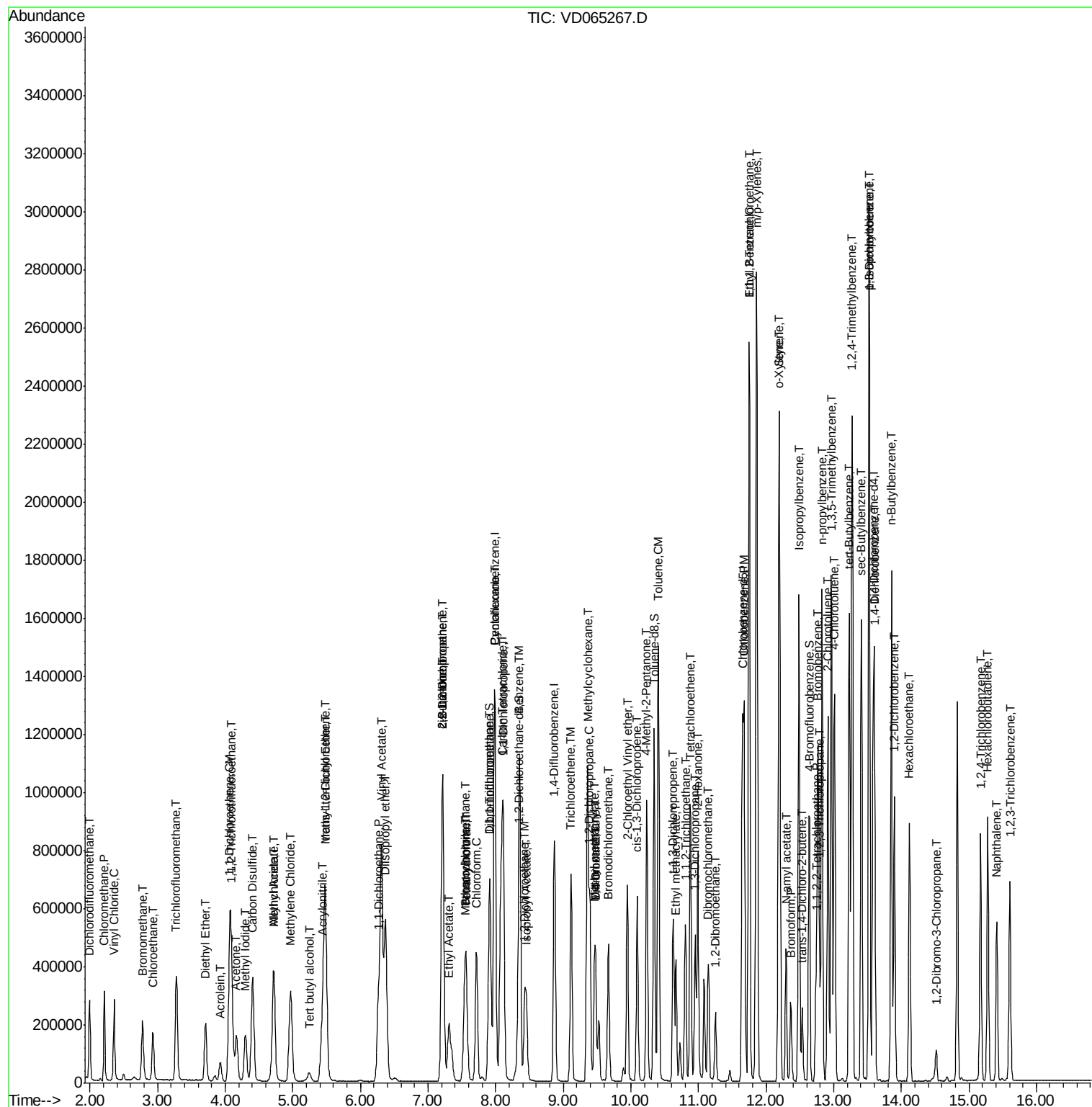
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 Data File : VD065267.D
 Acq On : 21 Feb 2020 11:00
 Operator : VA/SY
 Sample : VSTDCCC050
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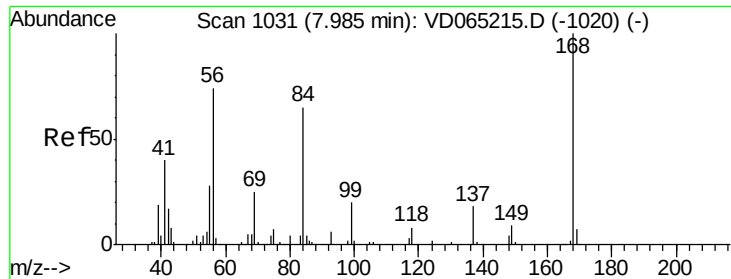
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

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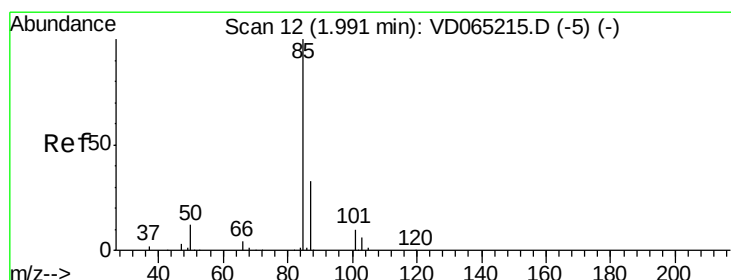
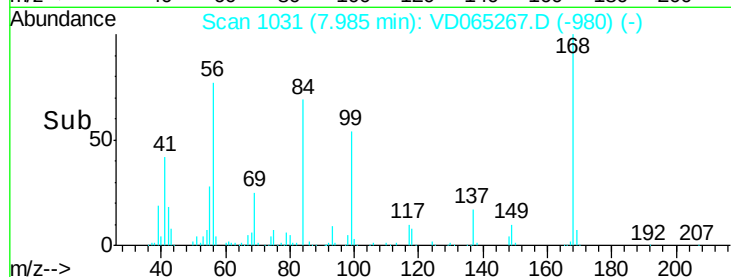
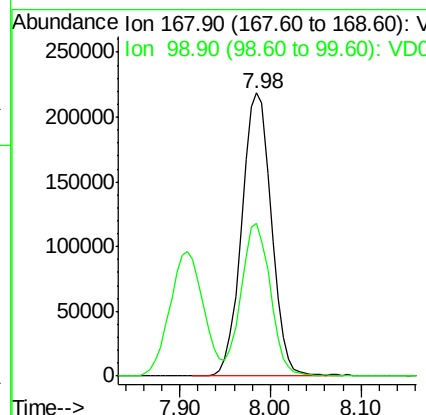
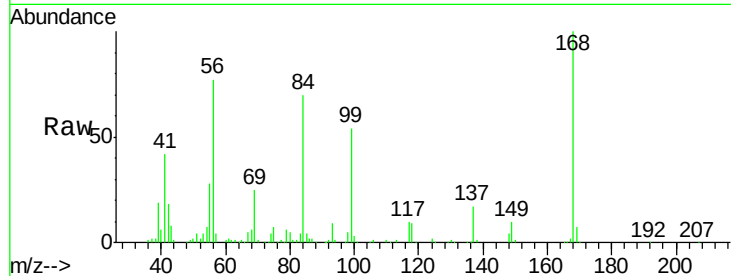
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.9	41.4	62.2

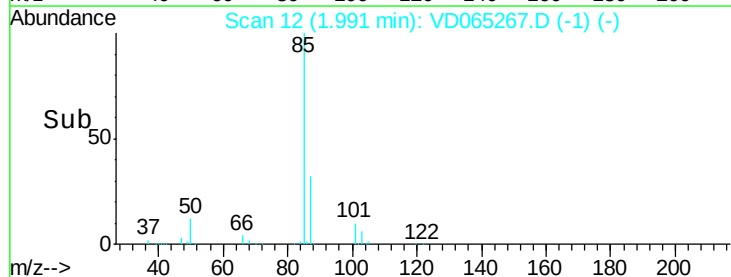
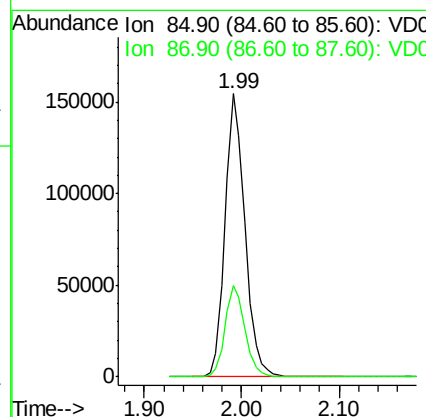
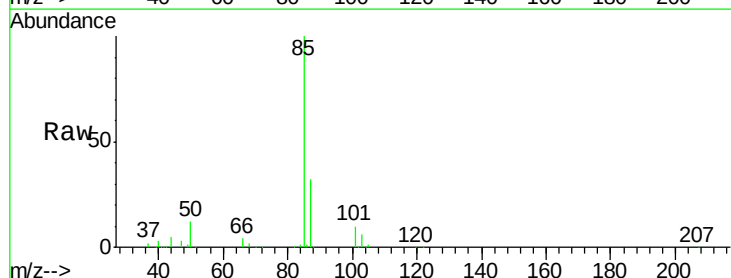
Manual Integrations
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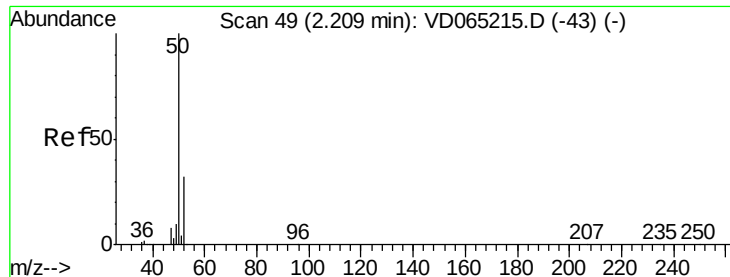
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#2
Dichlorodifluoromethane
Concen: 52.230 ug/l
RT: 1.99 min Scan# 12
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
85	100		
87	32.1	16.4	49.1





#3

Chloromethane

Concen: 48.958 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 260212

Ion Ratio Lower Upper

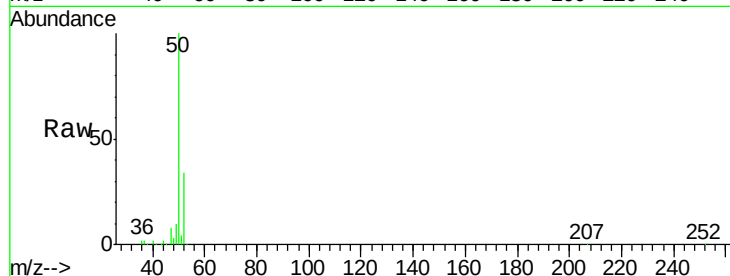
50 100

52 33.9 25.5 38.3

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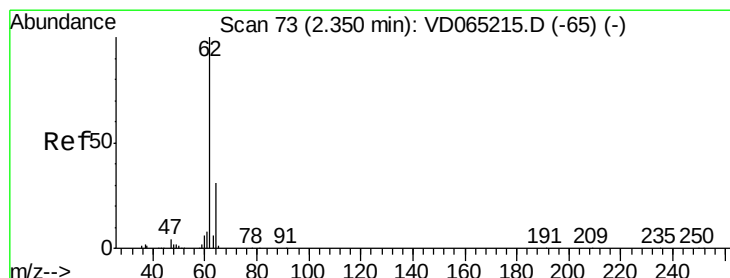
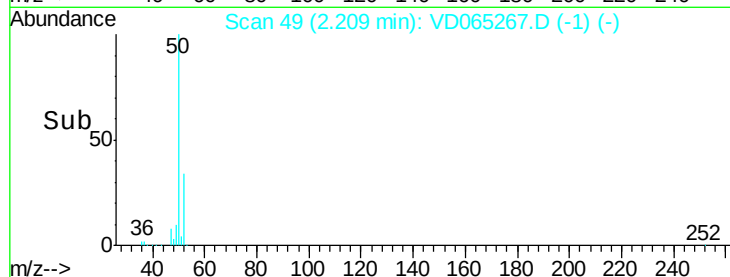
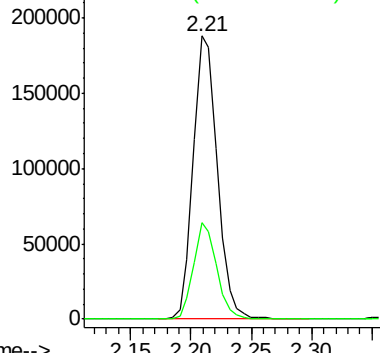
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.924 ug/l

RT: 2.36 min Scan# 74

Delta R.T. 0.01 min

Lab File: VD065267.D

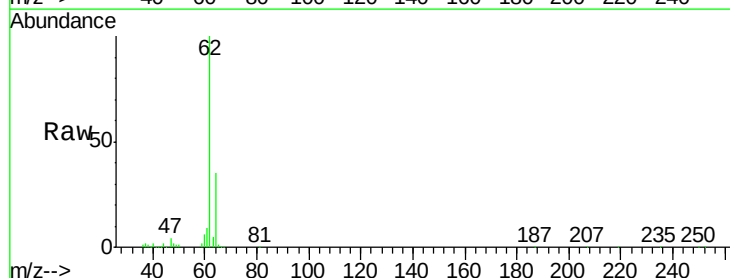
Acq: 21 Feb 2020 11:00

Tgt Ion: 62 Resp: 264415

Ion Ratio Lower Upper

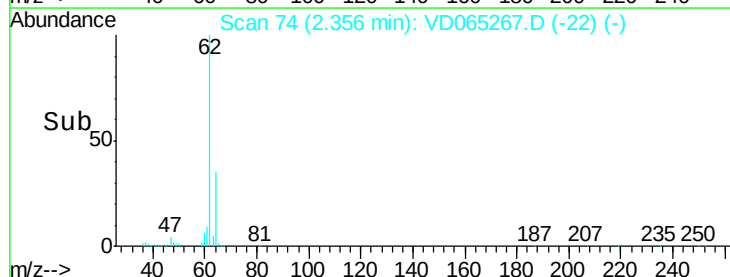
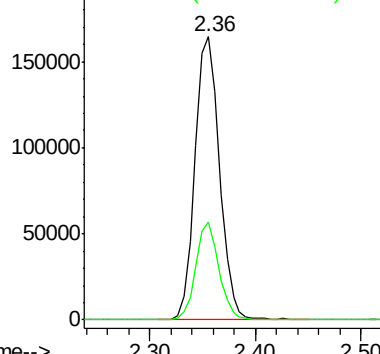
62 100

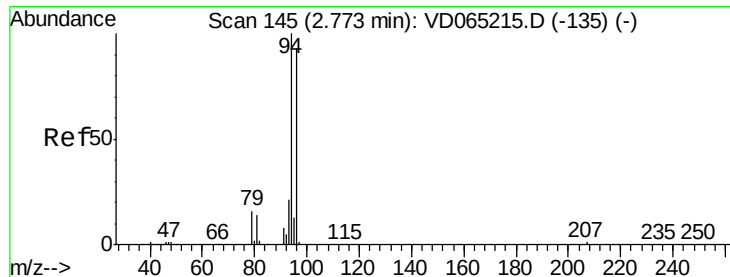
64 34.5 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 49.043 ug/l

RT: 2.78 min Scan# 146

Delta R.T. 0.01 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 160262

Ion Ratio Lower Upper

94 100

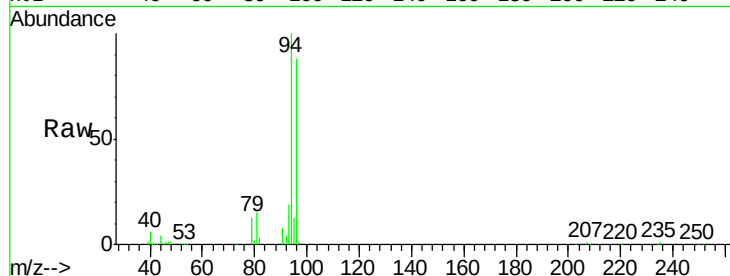
96 88.1 74.2 111.4

Manual Integrations

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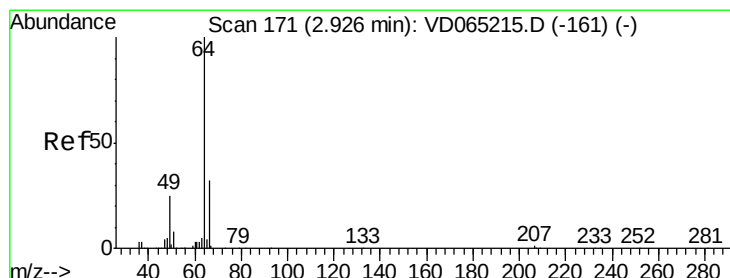
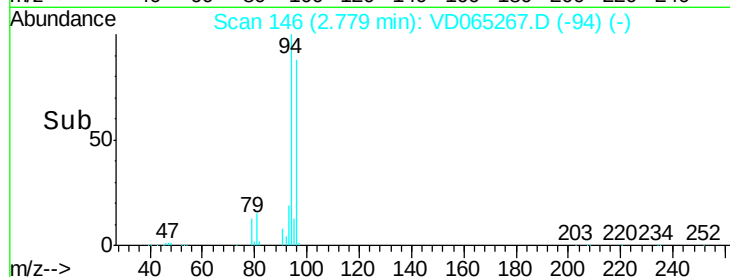
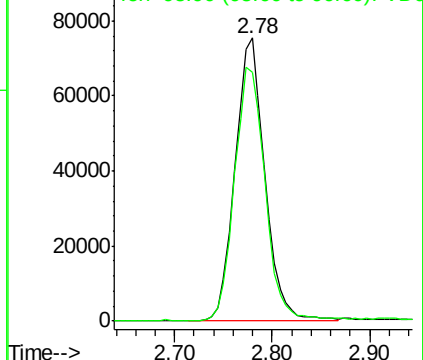
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 49.578 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.00 min

Lab File: VD065267.D

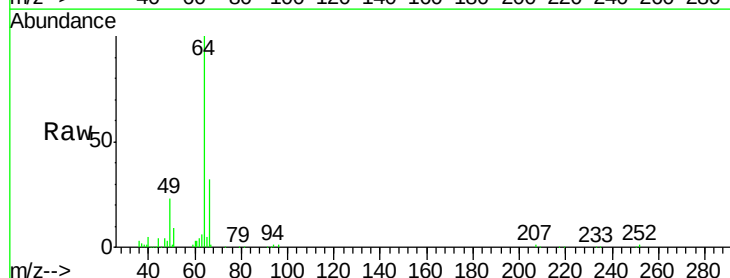
Acq: 21 Feb 2020 11:00

Tgt Ion: 64 Resp: 163559

Ion Ratio Lower Upper

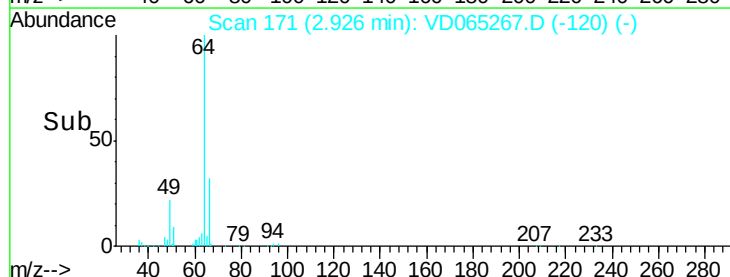
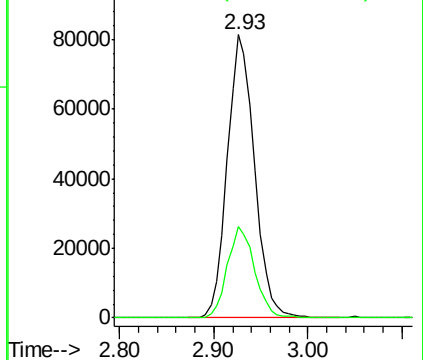
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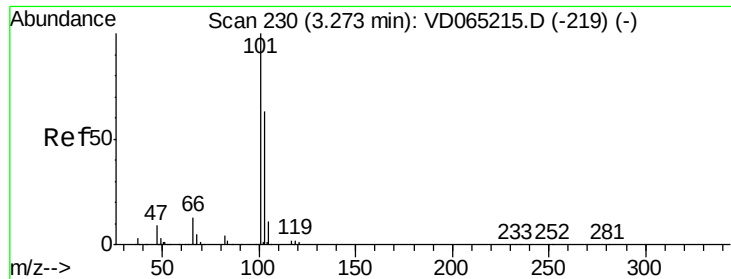
66 32.1 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

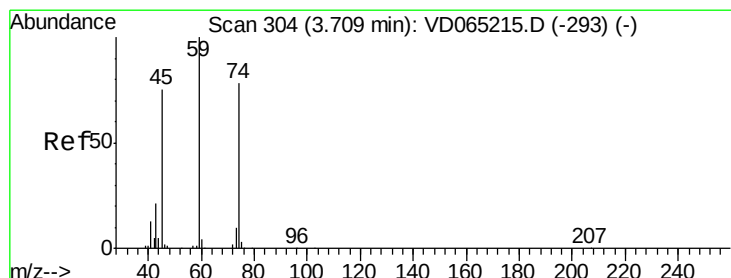
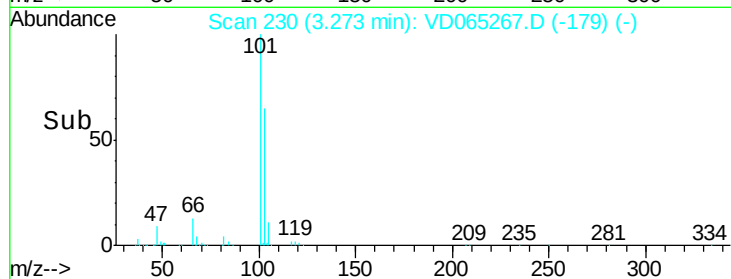
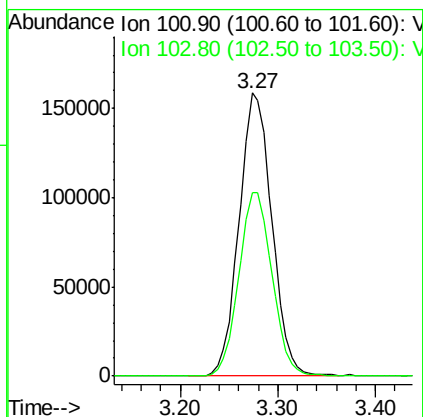
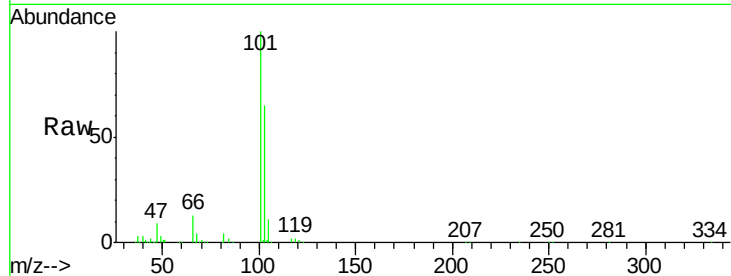
Trichlorofluoromethane
Concen: 47.990 ug/l
RT: 3.27 min Scan# 230
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	50.7	76.1

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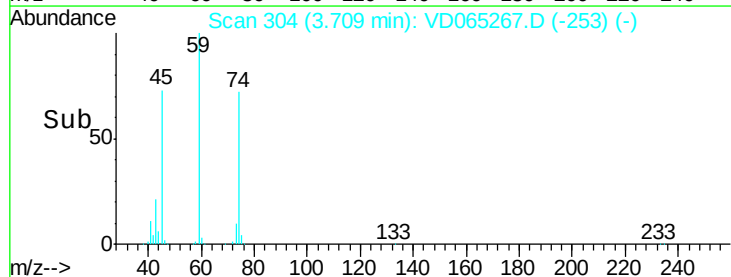
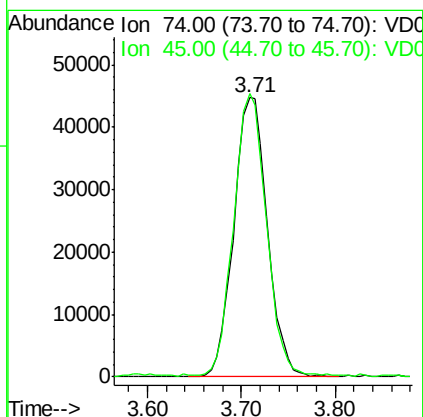
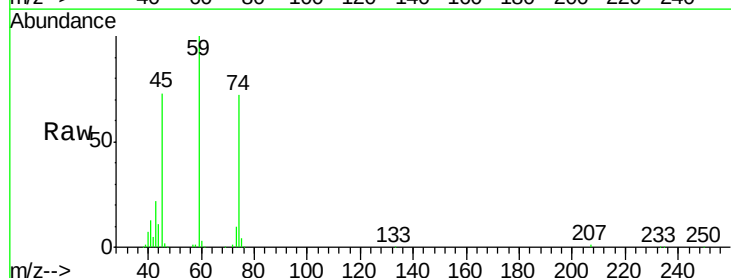
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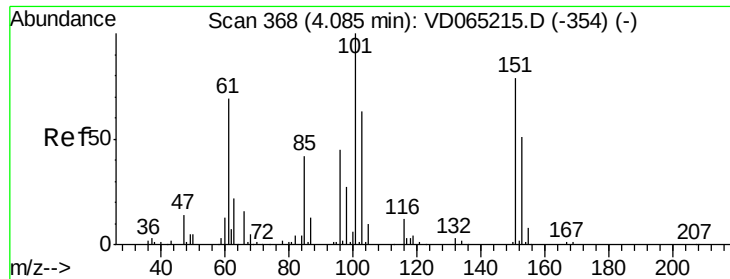


#8

Diethyl Ether
Concen: 47.426 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.6	50.0	149.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.490 ug/l

RT: 4.09 min Scan# 369

Delta R.T. 0.01 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

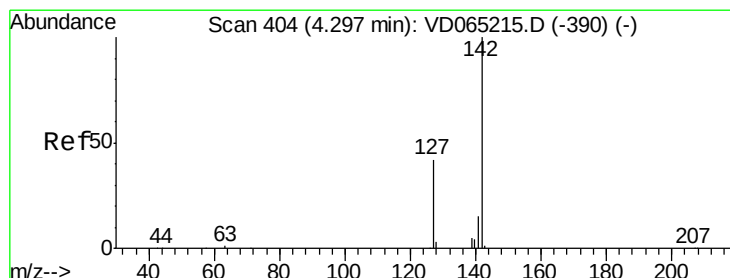
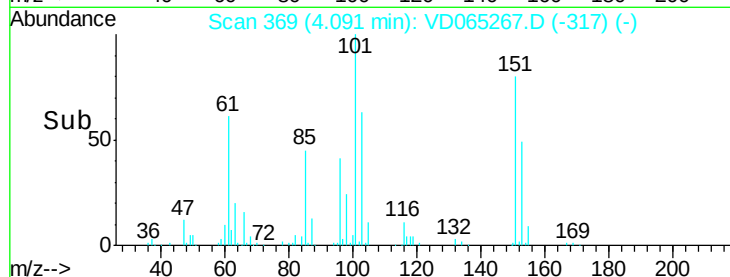
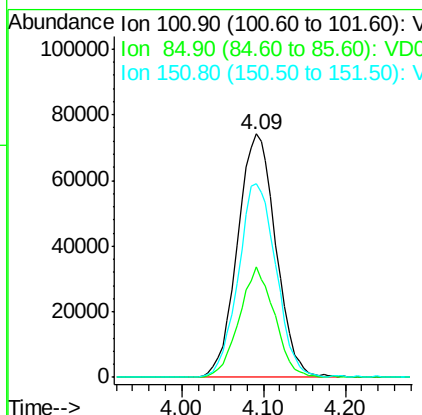
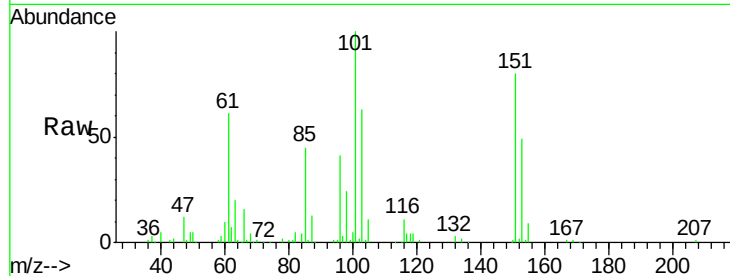
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	241829
Ion Ratio	Lower	Upper	
101	100		
85	41.7	34.2	51.2
151	78.5	63.5	95.3

Manual Integrations
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#10

Methyl Iodide

Concen: 53.233 ug/l

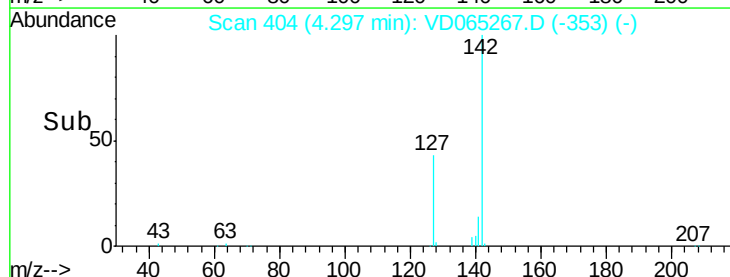
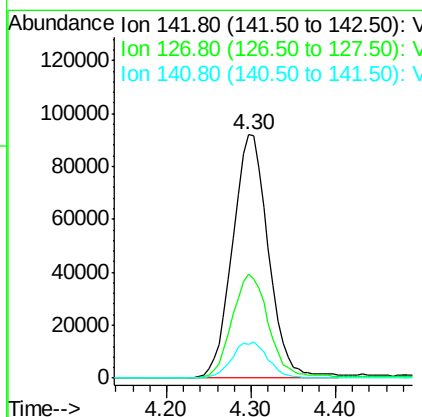
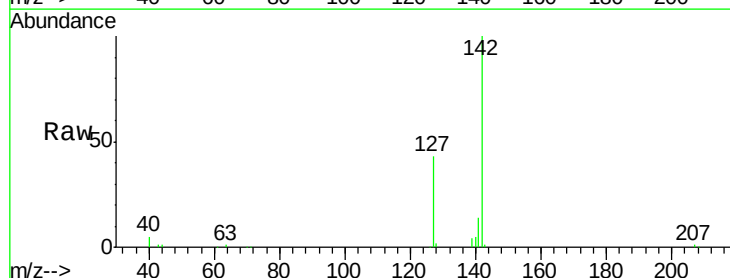
RT: 4.30 min Scan# 404

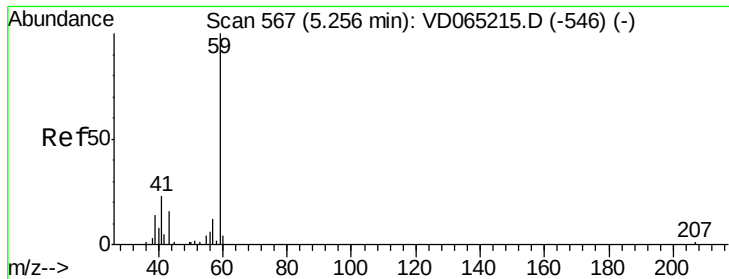
Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Tgt Ion:	142	Resp:	270078
Ion Ratio	Lower	Upper	
142	100		
127	43.9	33.8	50.8
141	14.8	11.7	17.5





#11

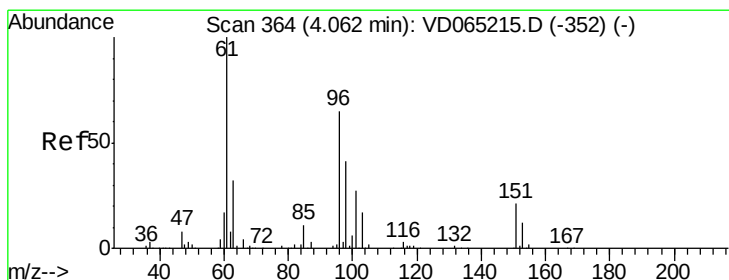
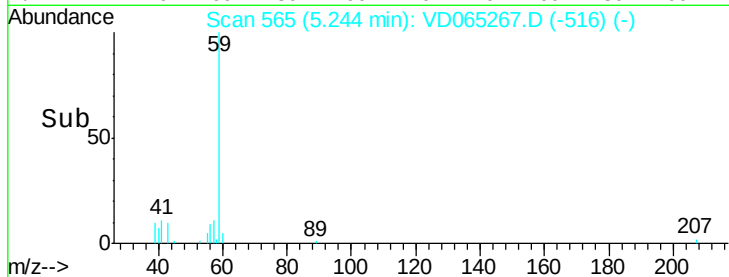
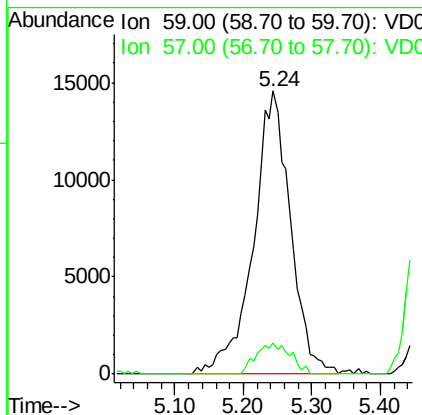
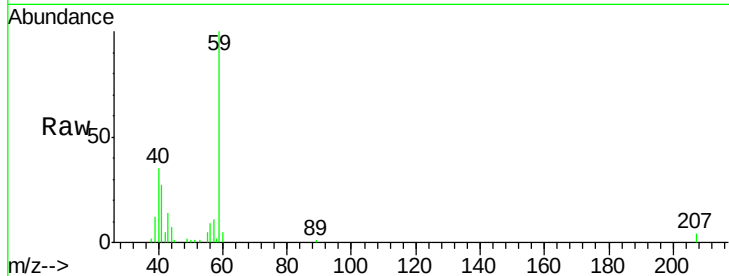
Tert butyl alcohol
Concen: 204.278 ug/l
RT: 5.24 min Scan# 565
Delta R.T. -0.01 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.4	12.6

Manual Integrations
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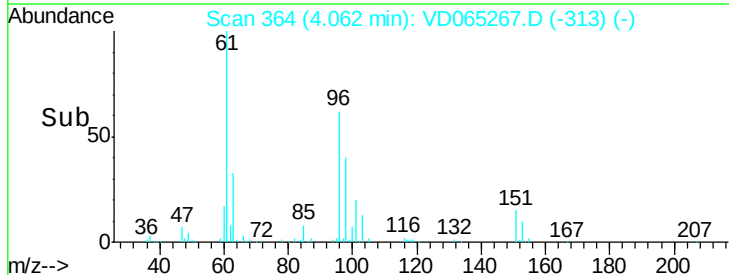
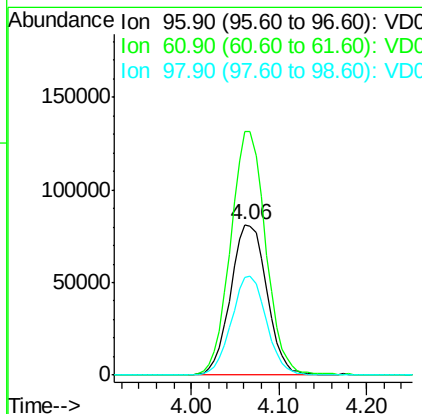
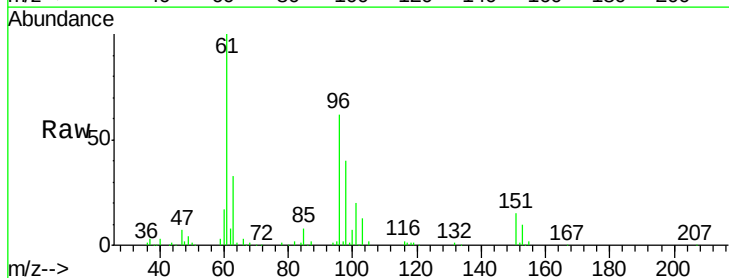
MMDadoda
2/24/2020 11:08:45 AM

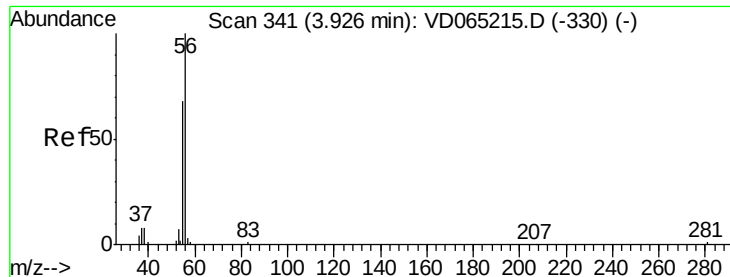


#12

1,1-Dichloroethene
Concen: 49.559 ug/l
RT: 4.06 min Scan# 364
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.4	123.3	184.9
98	65.0	51.0	76.4





#13

Acrolein

Concen: 237.051 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 78210

Ion Ratio Lower Upper

56 100

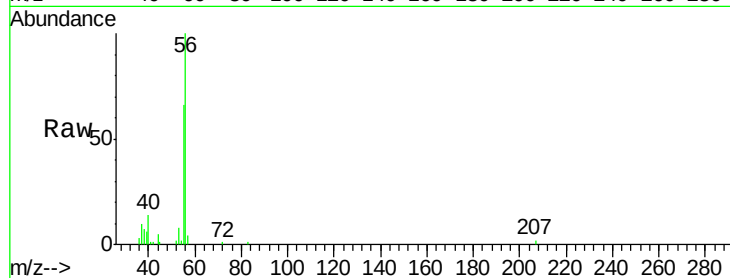
55 73.6 56.6 85.0

Manual Integrations

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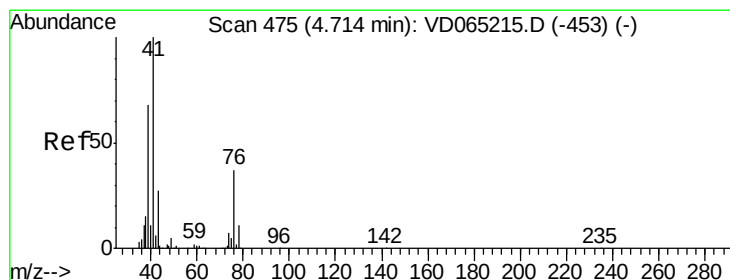
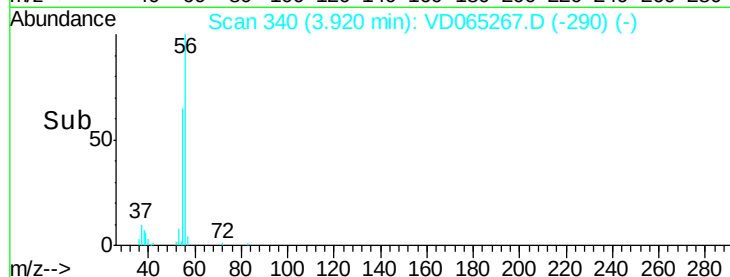
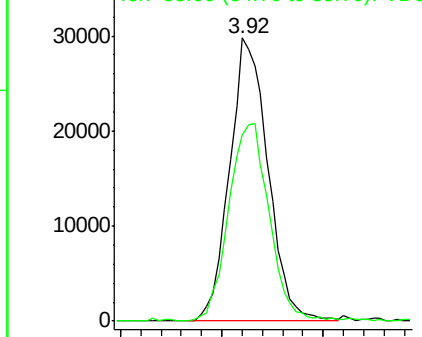
MMDadoda

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Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 49.417 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

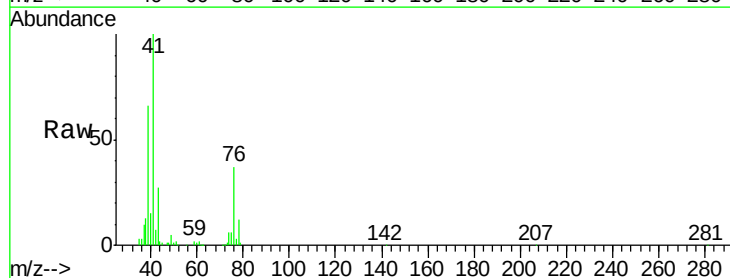
Tgt Ion: 41 Resp: 370419

Ion Ratio Lower Upper

41 100

39 66.0 53.8 80.6

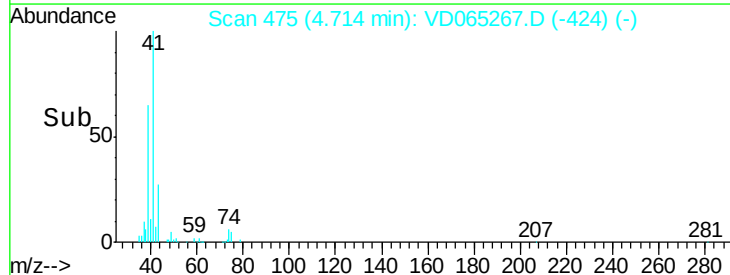
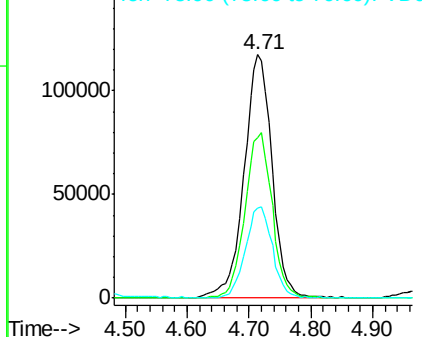
76 35.4 28.7 43.1

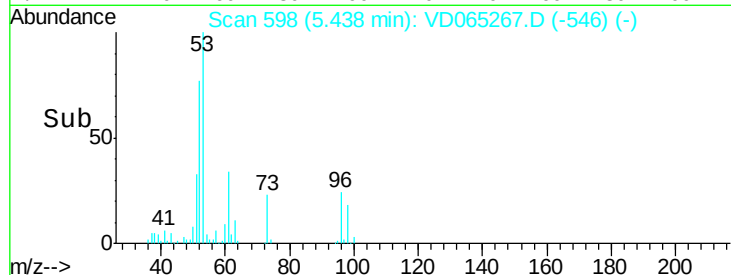
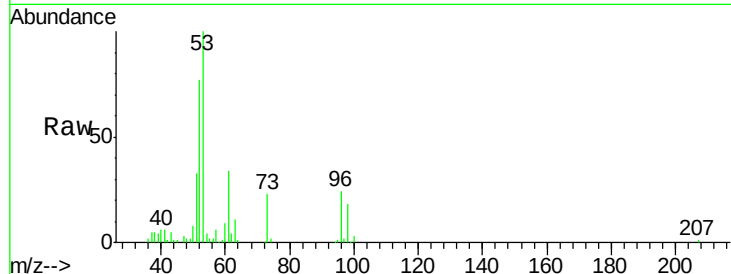
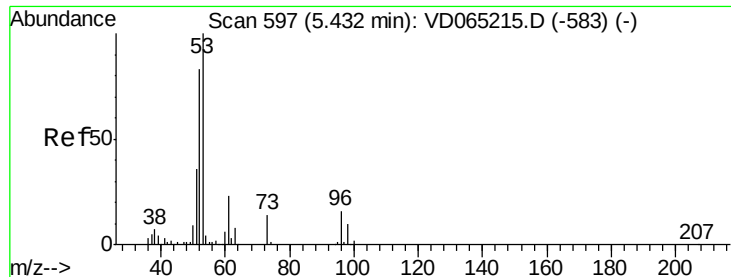


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





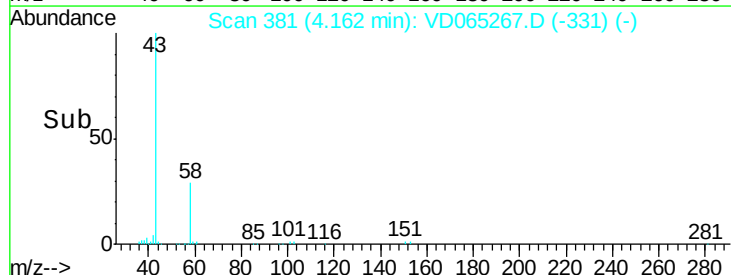
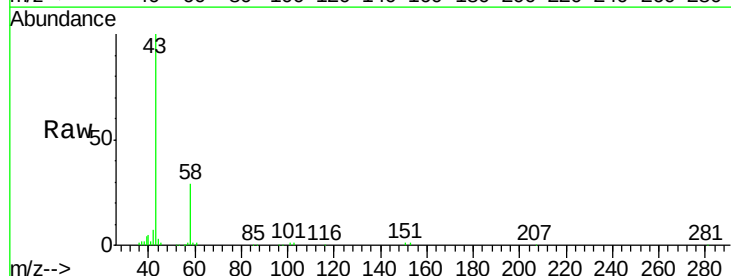
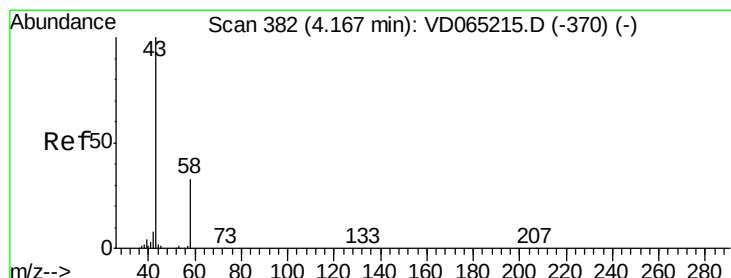
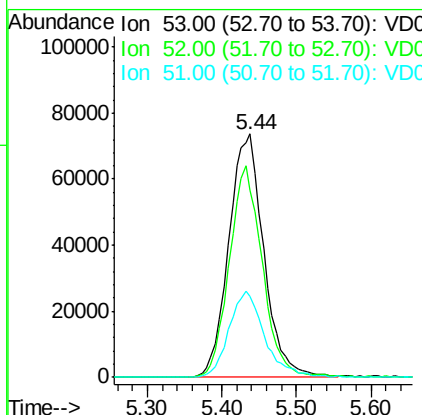
#15
Acrylonitrile
Concen: 232.283 ug/l
RT: 5.44 min Scan# 598
Delta R.T. 0.01 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tot Ion	Ratio	Resp	Lower	Upper
53	100	240198		
52	82.3		65.4	98.2
51	35.9		29.5	44.3

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

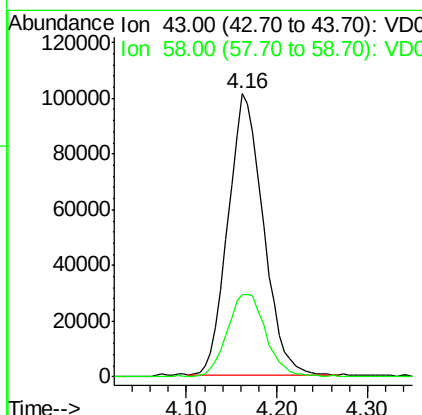
Manual Integrations
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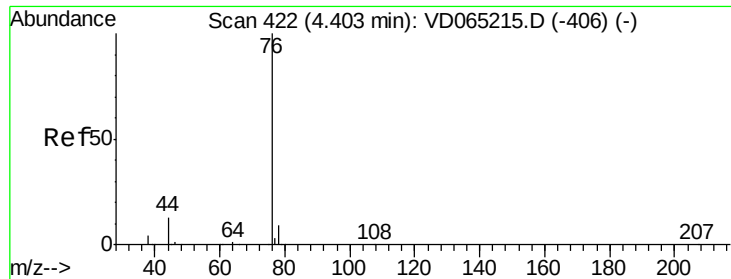
MMDadoda
2/24/2020 11:08:45 AM



#16
Acetone
Concen: 250.425 ug/l
RT: 4.16 min Scan# 381
Delta R.T. -0.01 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	274174		
58	29.1		26.2	39.2





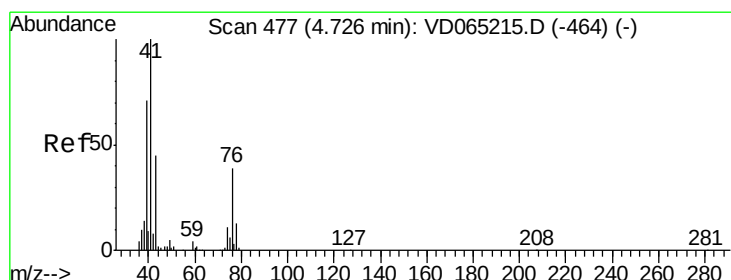
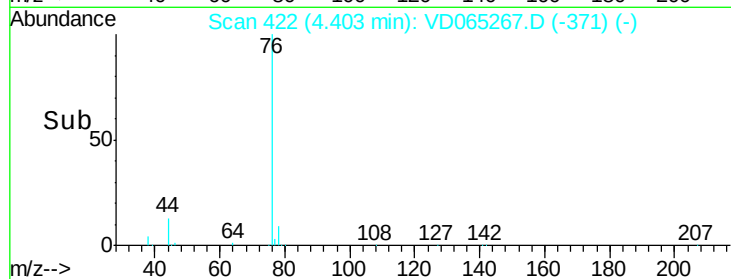
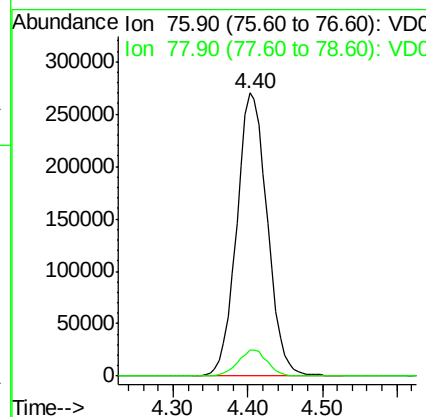
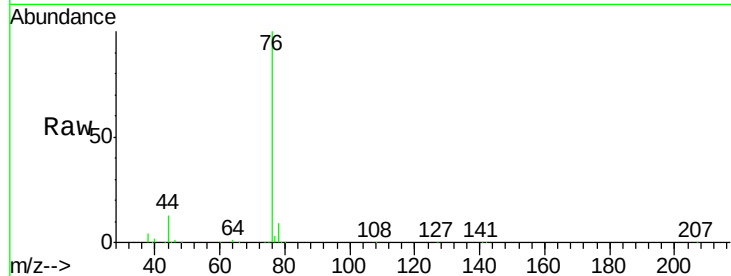
#17
Carbon Disulfide
Concen: 49.652 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.6

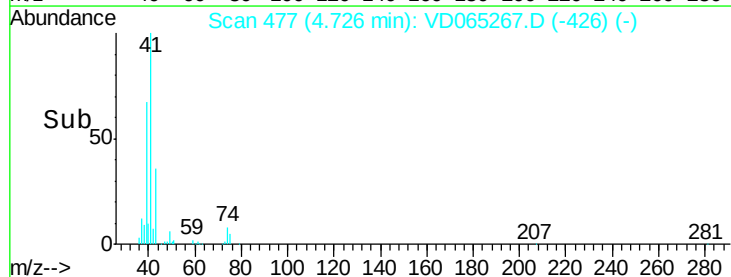
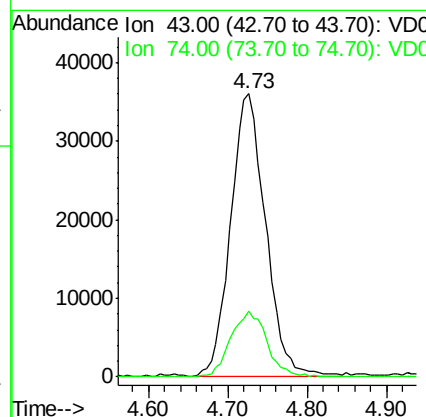
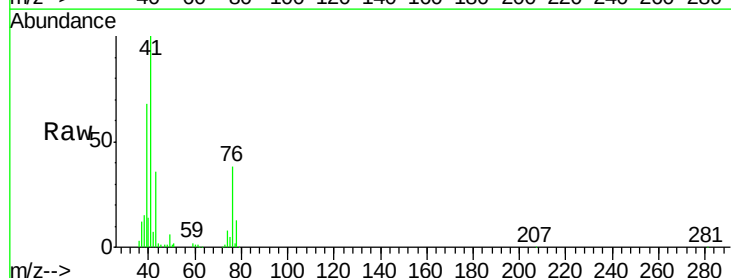
Manual Integrations
APPROVED

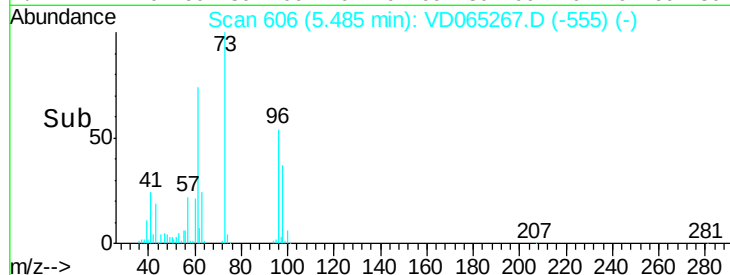
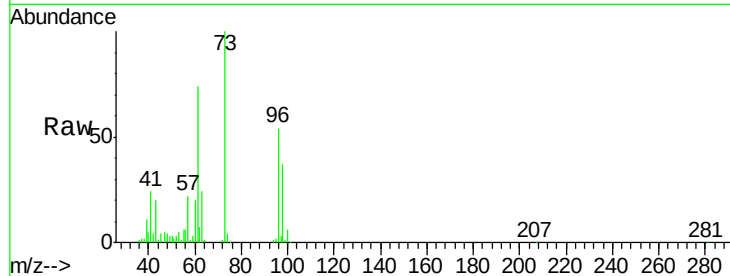
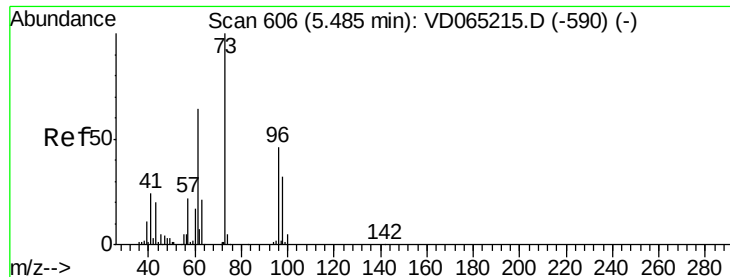
MMDadoda
2/24/2020 11:08:45 AM



#18
Methyl Acetate
Concen: 44.891 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.8	19.4	29.2





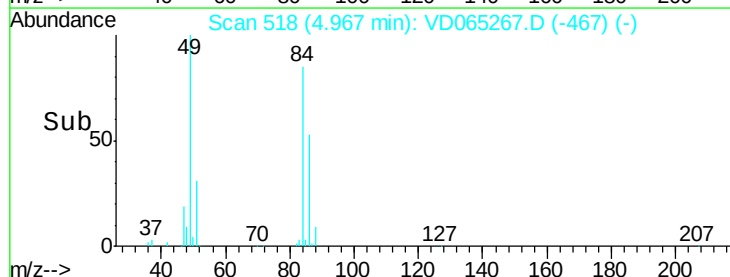
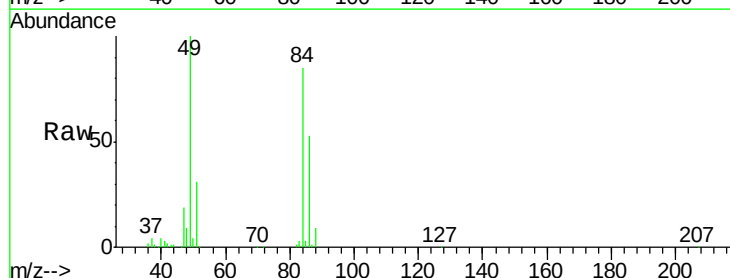
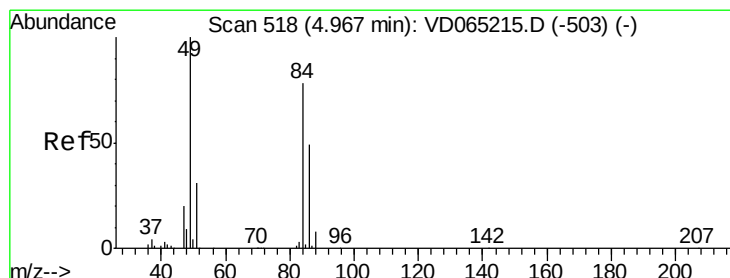
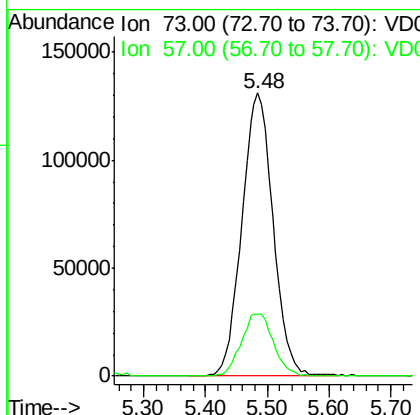
#19
Methyl tert-butyl Ether
Concen: 47.704 ug/l
RT: 5.48 min Scan# 606
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tot Ion: 73 Resp: 459188
Ion Ratio Lower Upper
73 100
57 21.8 17.3 25.9

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

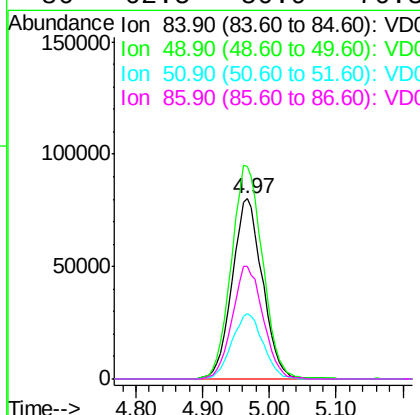
Manual Integrations
APPROVED

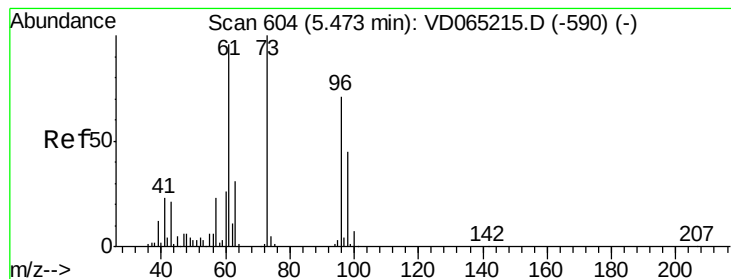
MMDadoda
2/24/2020 11:08:45 AM



#20
Methylene Chloride
Concen: 52.290 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion: 84 Resp: 253829
Ion Ratio Lower Upper
84 100
49 117.8 103.1 154.7
51 36.3 31.7 47.5
86 62.5 50.9 76.3





#21

trans-1,2-Dichloroethene

Concen: 50.244 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

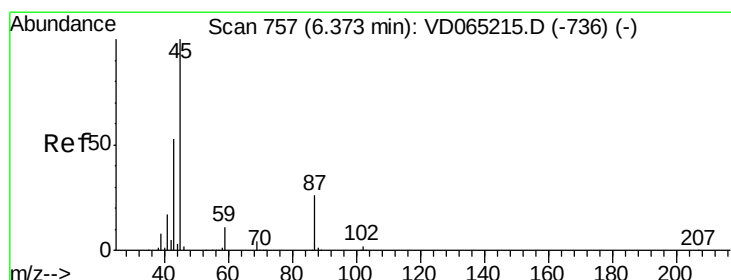
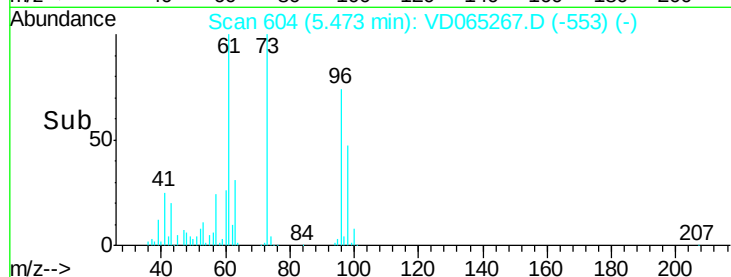
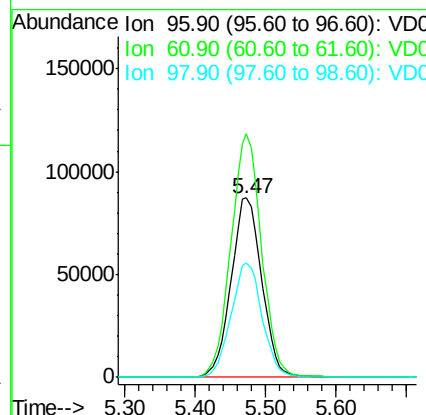
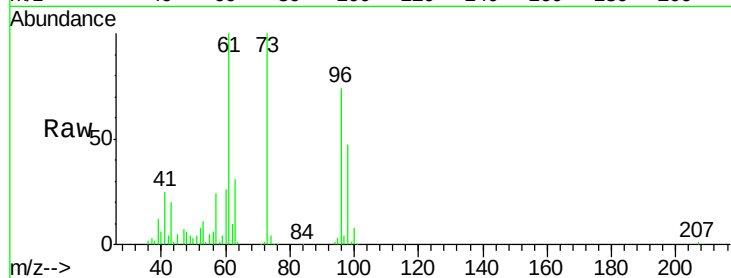
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	263653
Ion	Ratio	Lower	Upper
96	100		
61	135.6	108.3	162.5
98	63.7	50.7	76.1

Manual Integrations
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#22

Diisopropyl ether

Concen: 49.935 ug/l

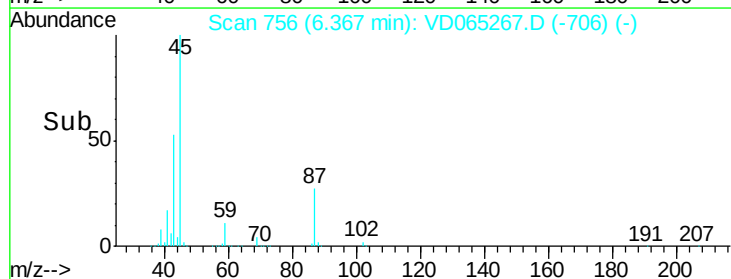
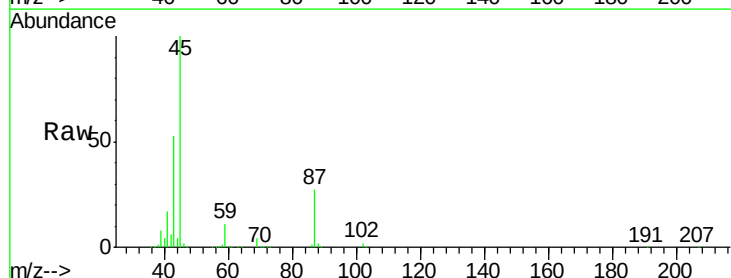
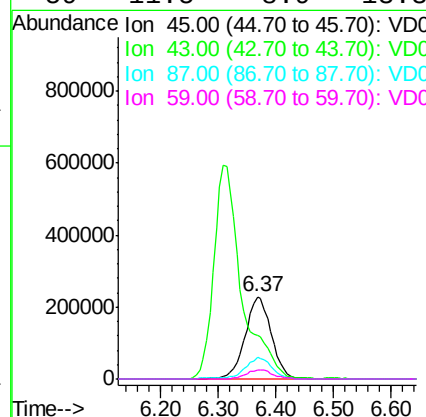
RT: 6.37 min Scan# 756

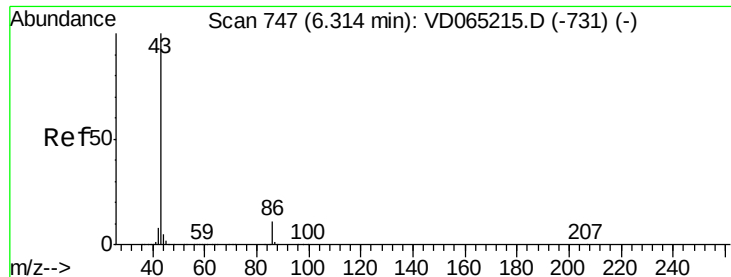
Delta R.T. -0.01 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Tgt Ion:	45	Resp:	721576
Ion	Ratio	Lower	Upper
45	100		
43	51.8	42.6	64.0
87	26.4	21.2	31.8
59	11.5	8.9	13.3





#23

Vinyl Acetate

Concen: 250.094 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.01 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1992340

Ion Ratio Lower Upper

43 100

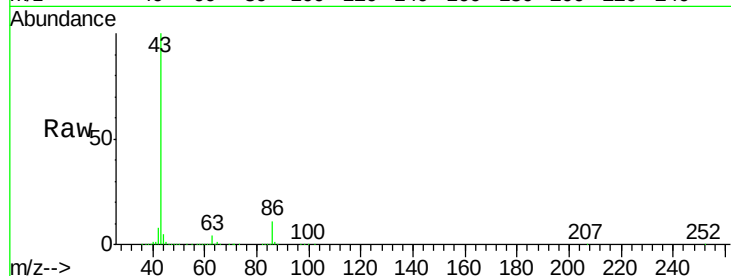
86 11.1 8.6 12.8

Manual Integrations

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2/24/2020 11:08:45 AM



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

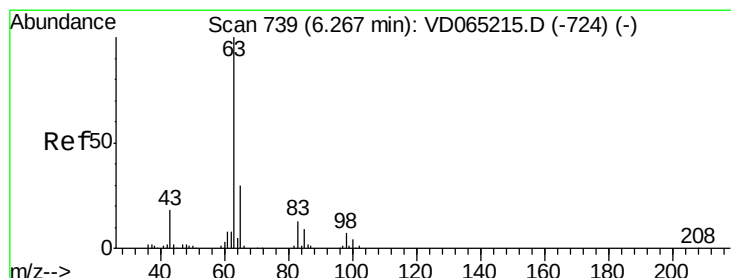
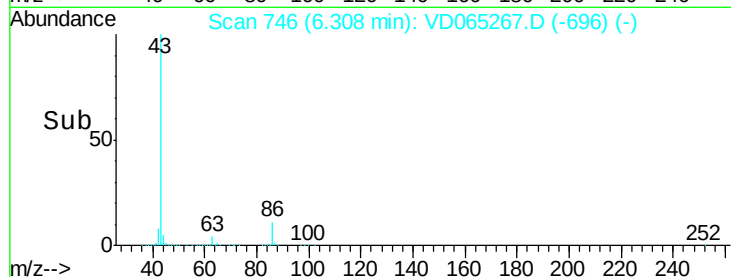
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 48.767 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

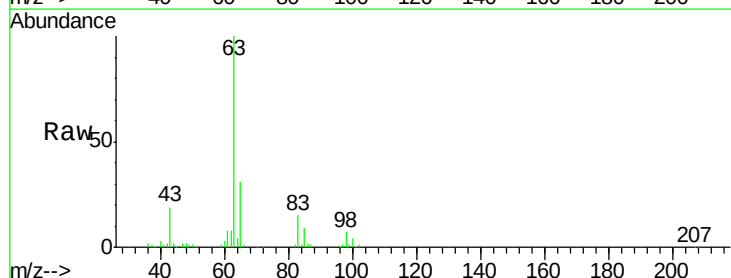
Tgt Ion: 63 Resp: 437098

Ion Ratio Lower Upper

63 100

98 7.4 3.4 10.1

100 4.4 2.3 6.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.27

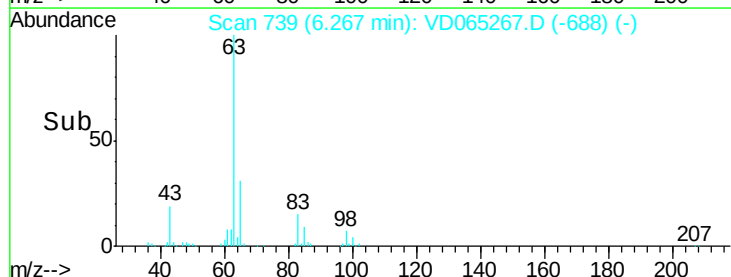
150000

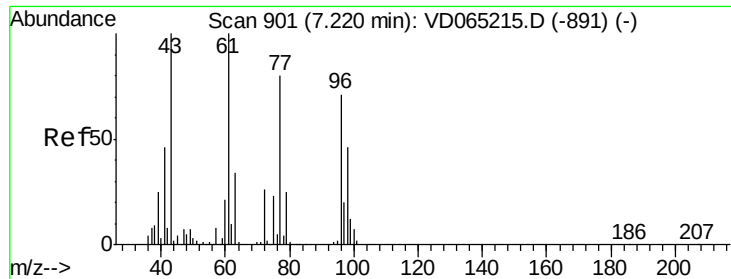
100000

50000

0

Time-->





#25

2-Butanone

Concen: 234.203 ug/l

RT: 7.22 min Scan# 901

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 324419

Ion Ratio Lower Upper

43 100

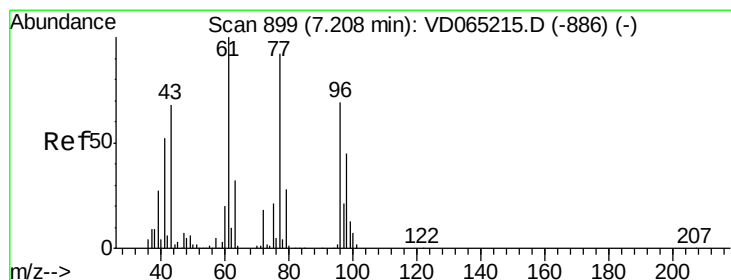
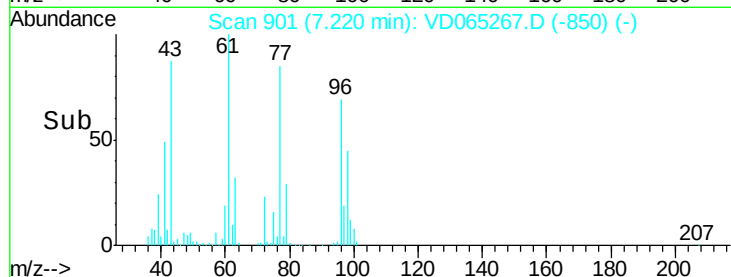
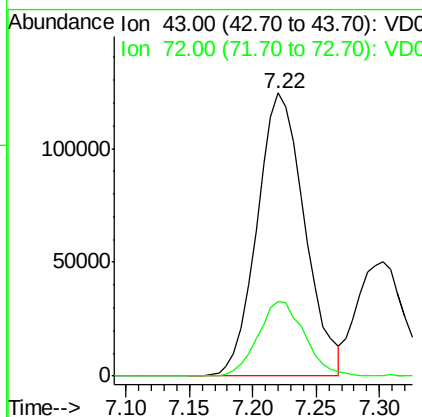
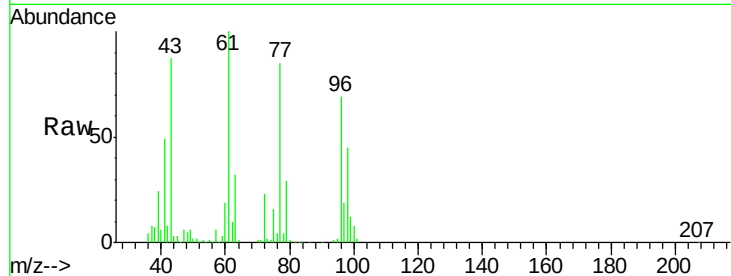
72 26.2 20.9 31.3

Manual Integrations

APPROVED

MMDadoda

2/24/2020 11:08:45 AM



#26

2,2-Dichloropropane

Concen: 49.154 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD065267.D

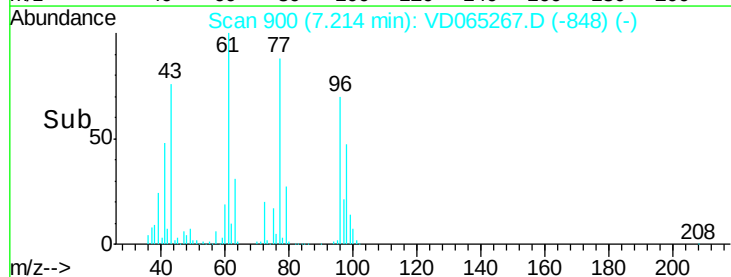
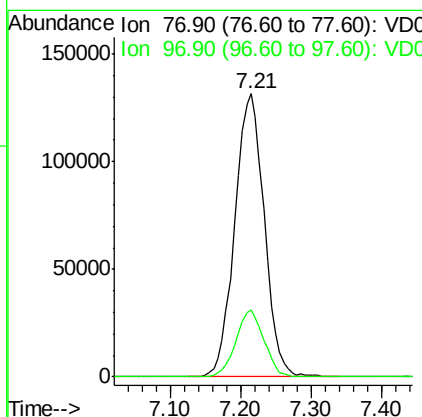
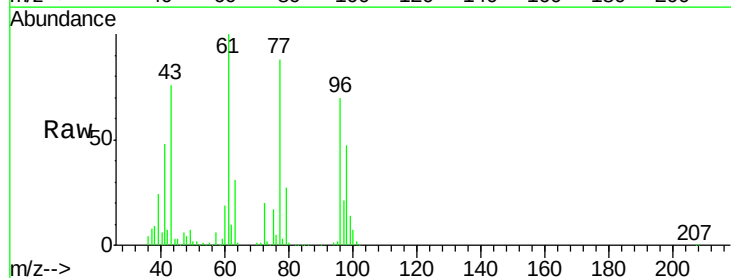
Acq: 21 Feb 2020 11:00

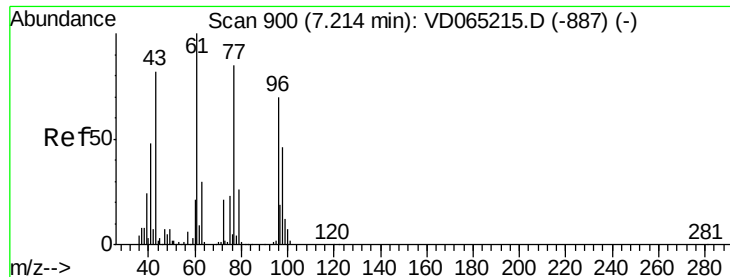
Tgt Ion: 77 Resp: 382250

Ion Ratio Lower Upper

77 100

97 22.7 11.7 35.1





#27

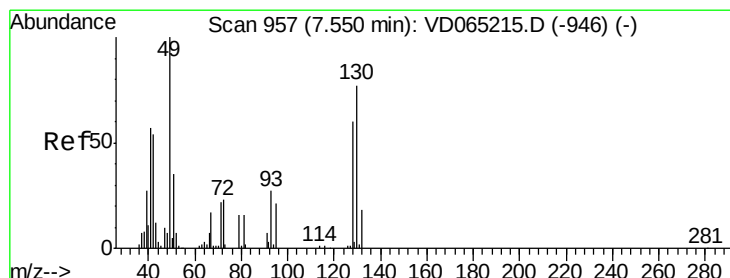
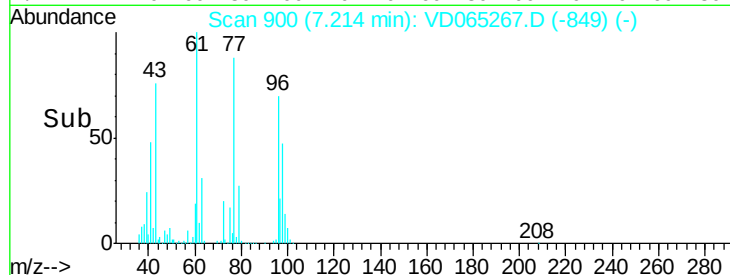
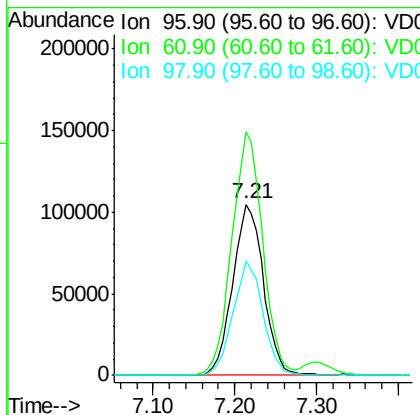
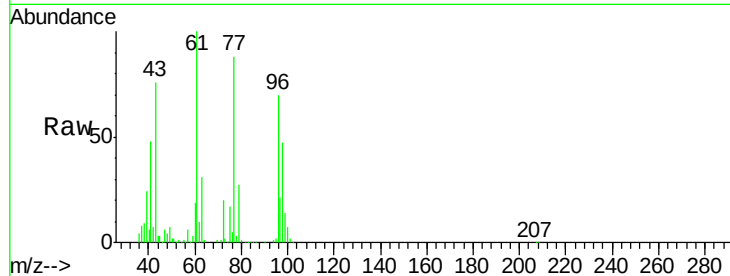
cis-1,2-Dichloroethene
 Concen: 49.492 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	275092		
61	142.2		0.0	286.0
98	65.0		0.0	127.8

Manual Integrations
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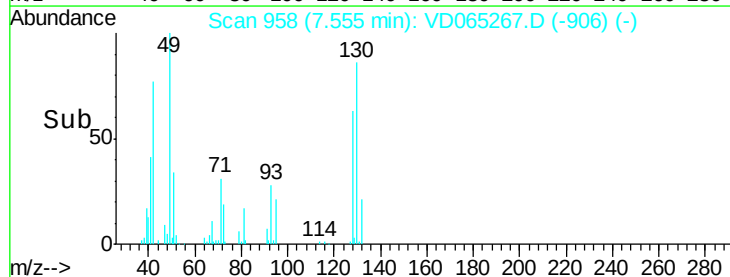
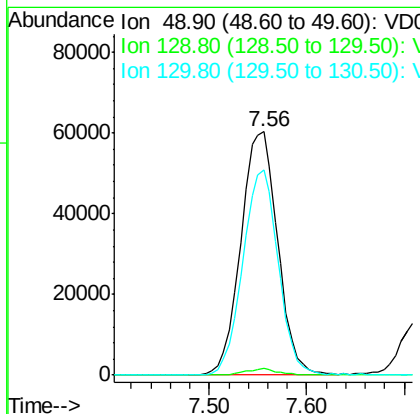
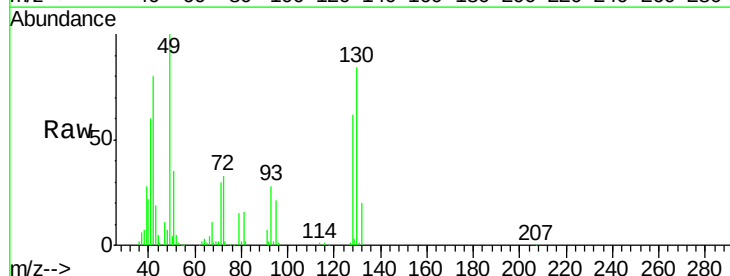
MMDadoda
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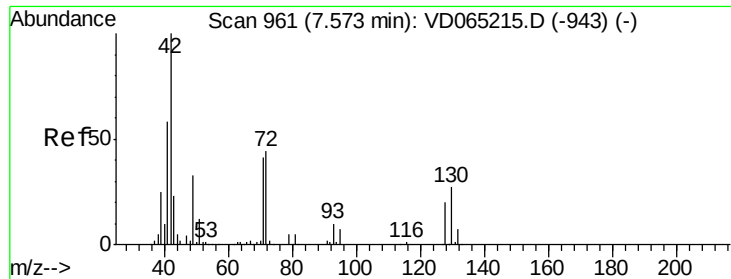


#28

Bromochloromethane
 Concen: 47.626 ug/l
 RT: 7.56 min Scan# 958
 Delta R.T. 0.01 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	158368		
129	2.3		0.0	4.6
130	80.9		64.7	97.1





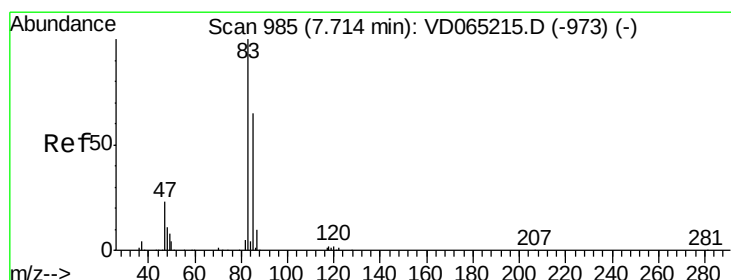
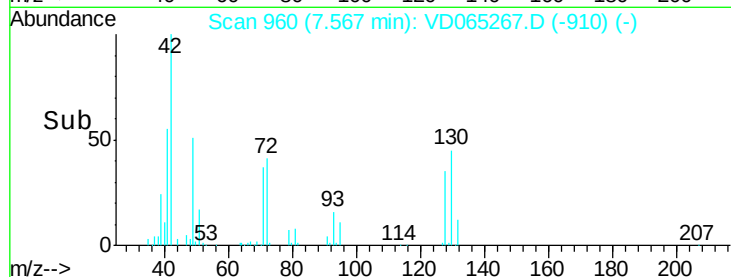
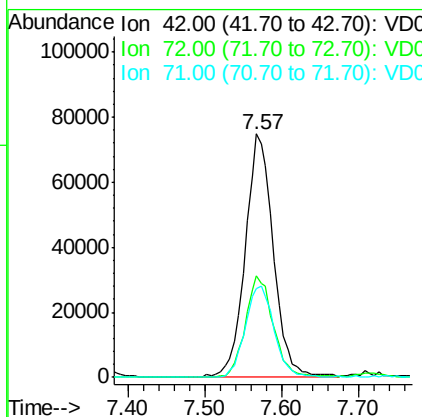
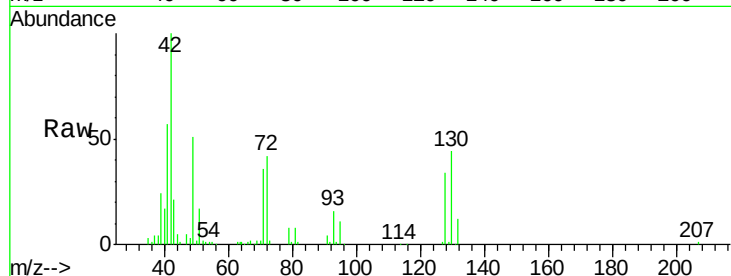
#29
Tetrahydrofuran
Concen: 236.290 ug/l
RT: 7.57 min Scan# 960
Delta R.T. -0.01 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.1	33.7	50.5
71	38.4	31.4	47.2

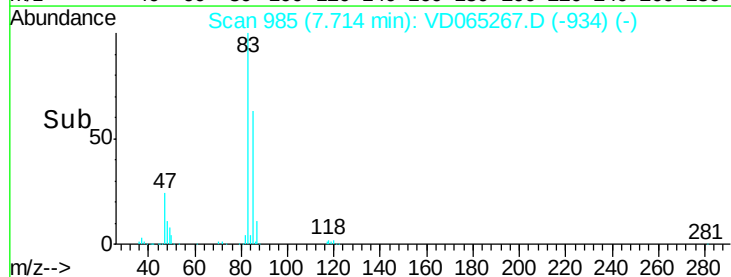
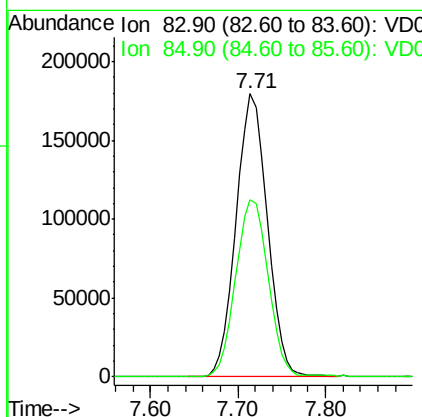
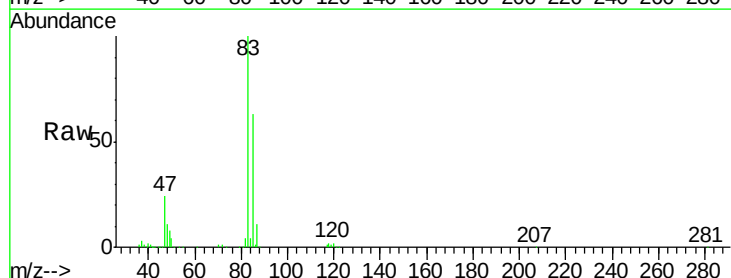
Manual Integrations
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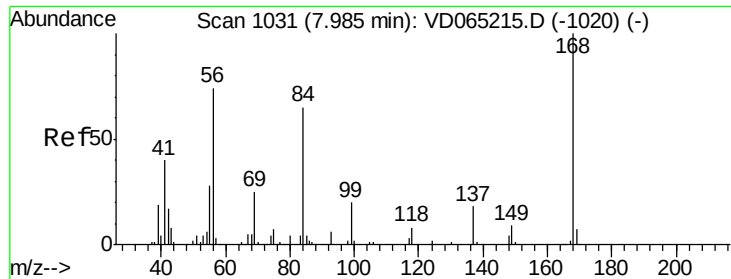
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#30
Chloroform
Concen: 48.287 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.6	52.3	78.5





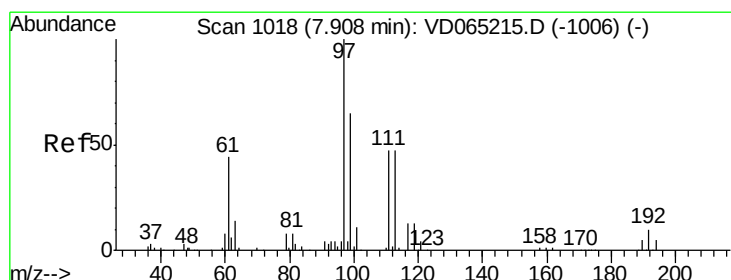
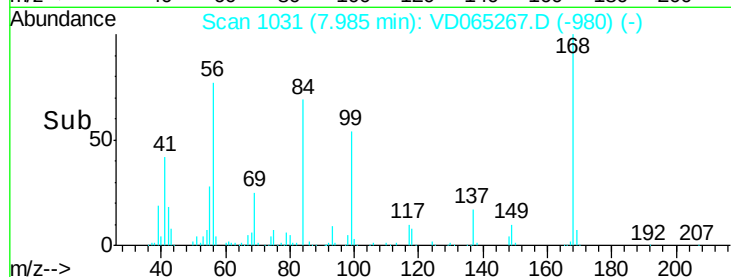
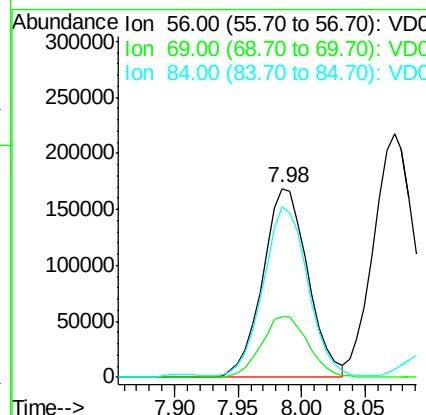
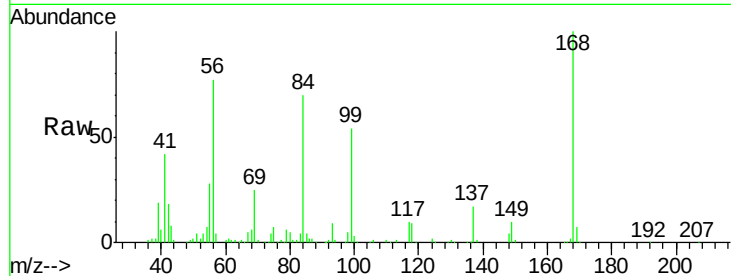
#31
Cyclohexane
Concen: 47.537 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	27.4	41.0
84	88.7	71.1	106.7

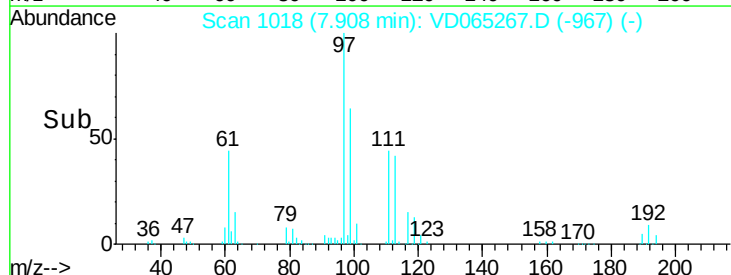
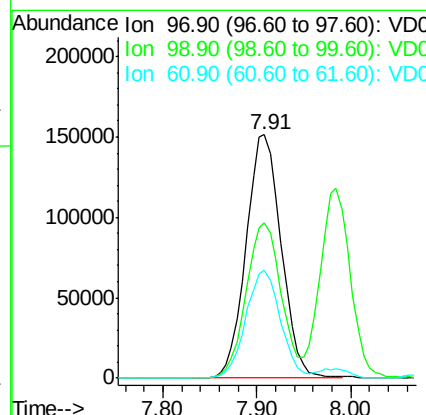
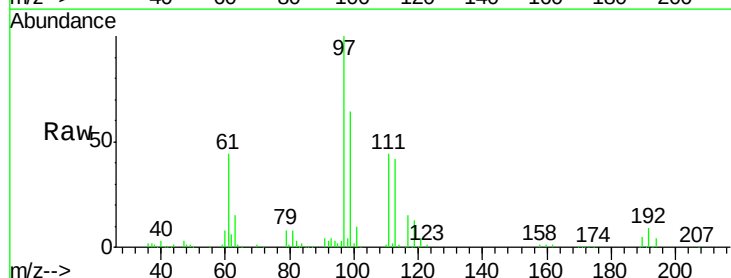
Manual Integrations
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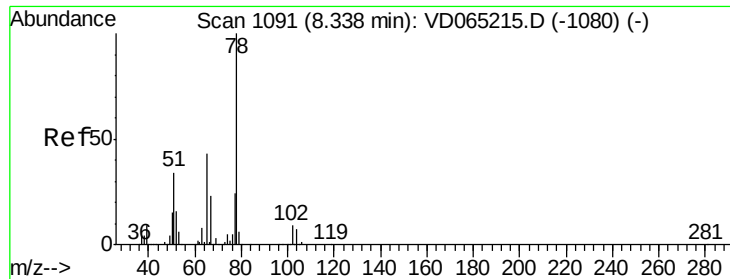
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 48.457 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.4	51.4	77.2
61	43.7	34.8	52.2





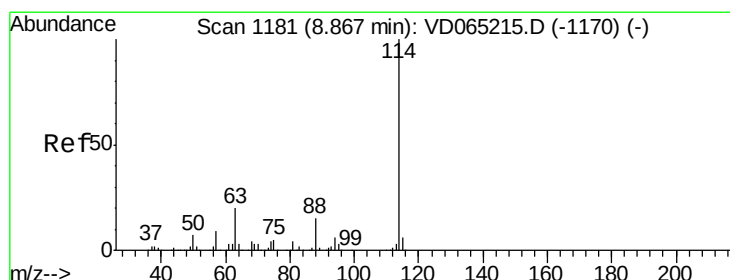
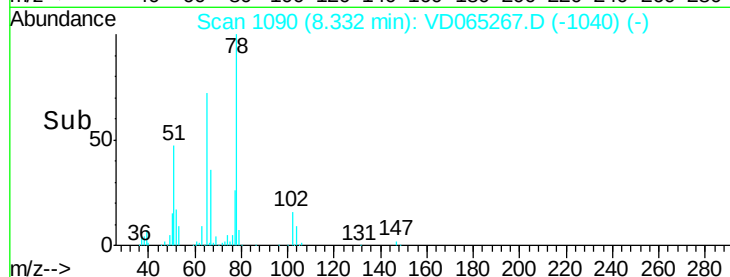
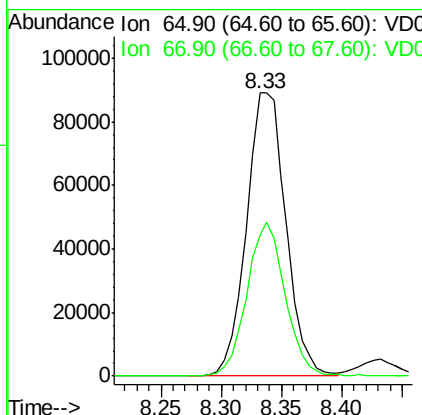
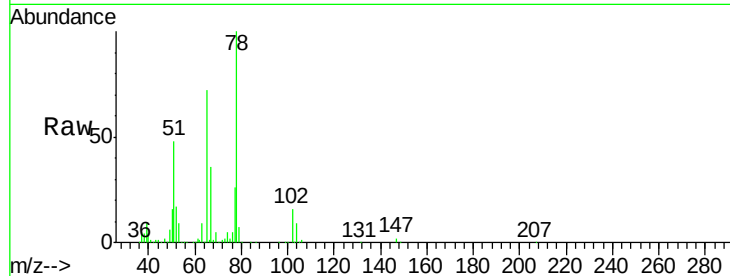
#33
 1,2-Dichloroethane-d4
 Concen: 45.422 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8

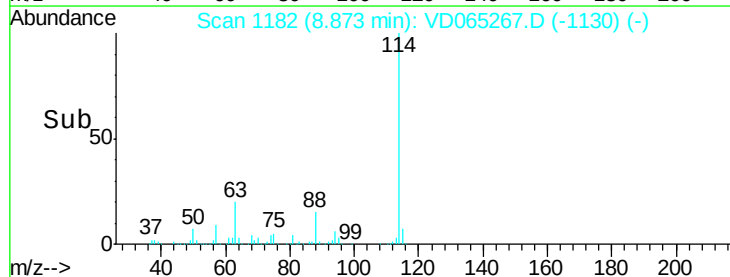
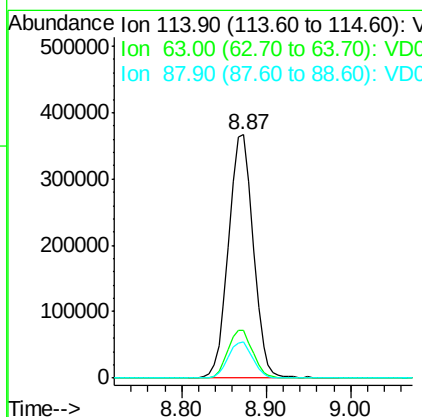
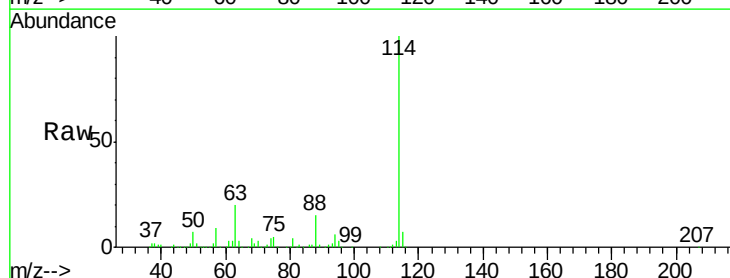
Manual Integrations
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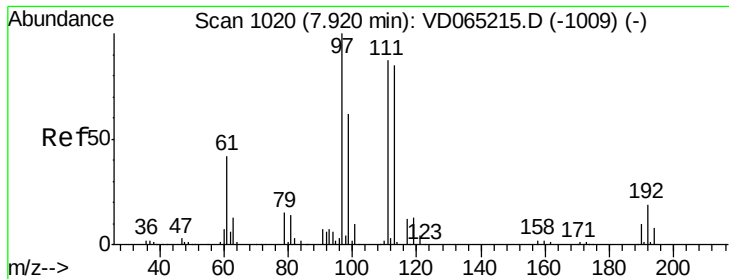
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1182
 Delta R.T. 0.01 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.4
88	14.8	0.0	30.4





#35

Dibromofluoromethane

Concen: 46.869 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

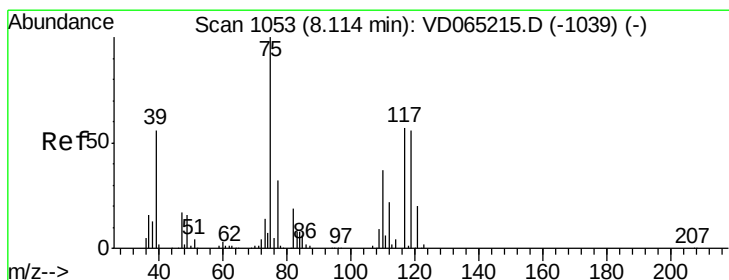
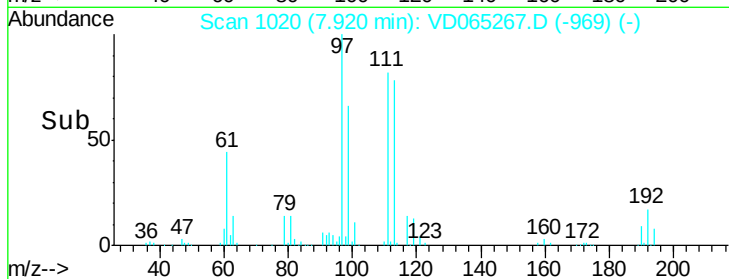
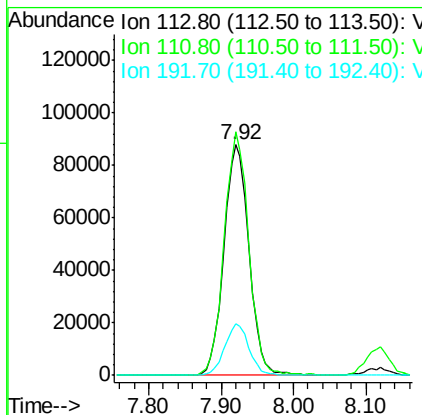
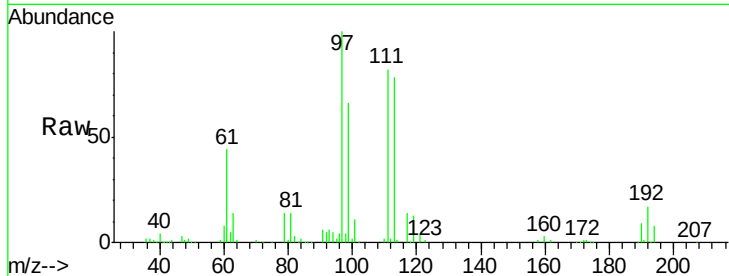
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	211670
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.9	124.3
192	21.6	17.3	25.9

Manual Integrations
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2/24/2020 11:08:45 AM



#36

1,1-Dichloropropene

Concen: 49.697 ug/l

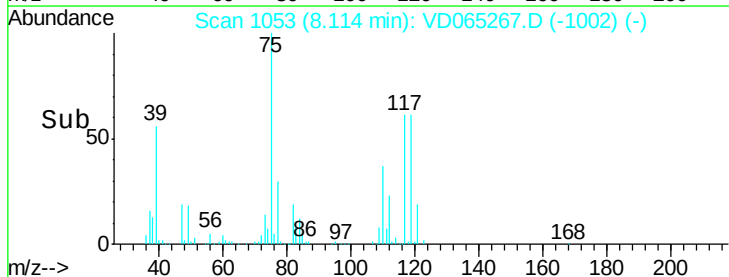
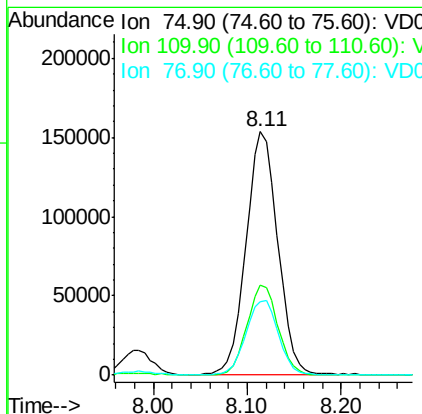
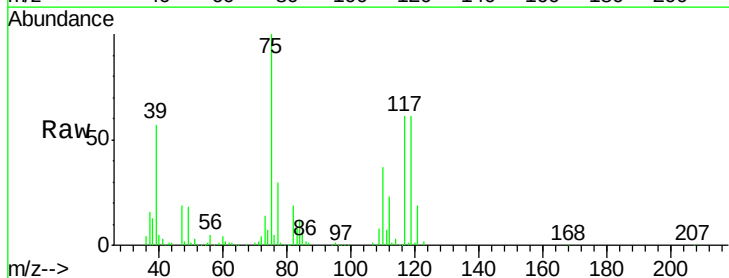
RT: 8.11 min Scan# 1053

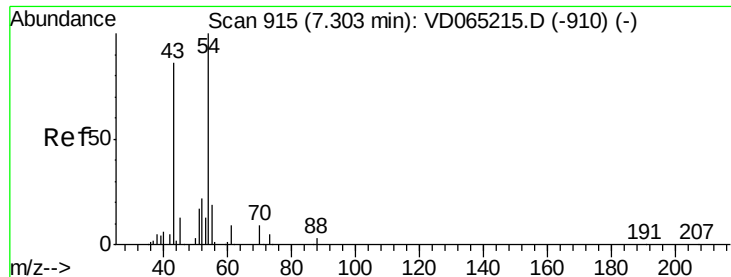
Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Tgt Ion:	75	Resp:	358154
Ion	Ratio	Lower	Upper
75	100		
110	36.2	17.9	53.7
77	31.6	25.1	37.7





#37

Ethyl Acetate

Concen: 43.849 ug/l

RT: 7.30 min Scan# 915

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

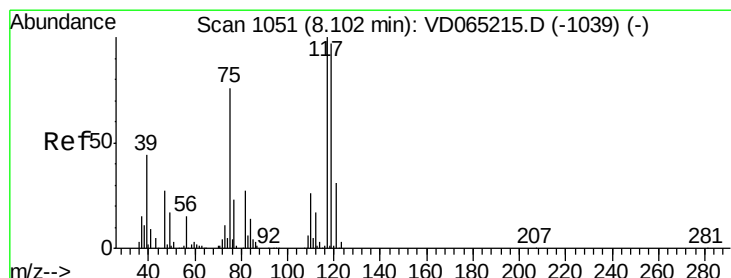
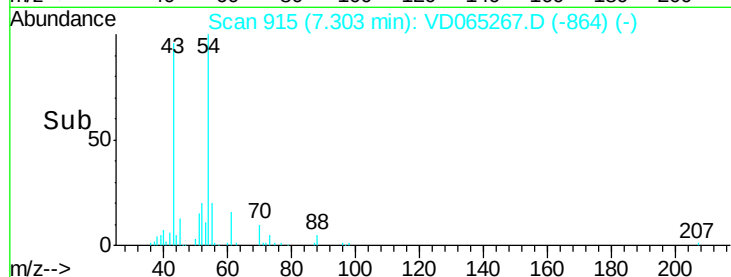
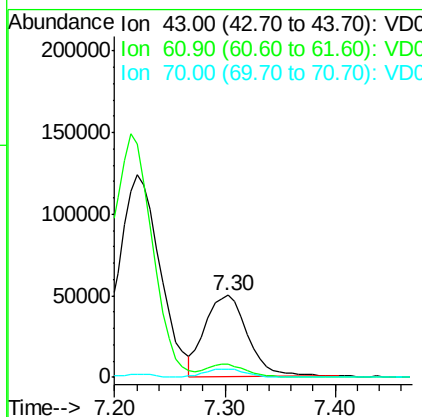
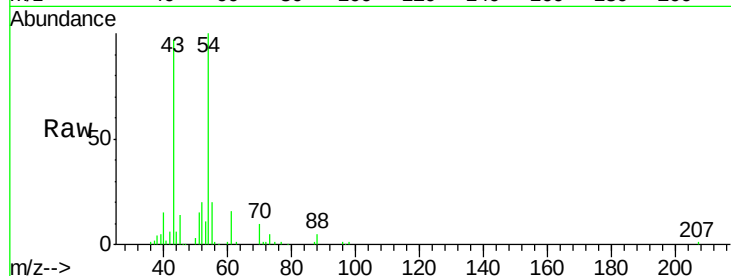
ClientSampleId :

VSTDCCC050

Tot Ion	43	Resp	132108
Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.2	16.8
70	10.1	8.2	12.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 49.038 ug/l

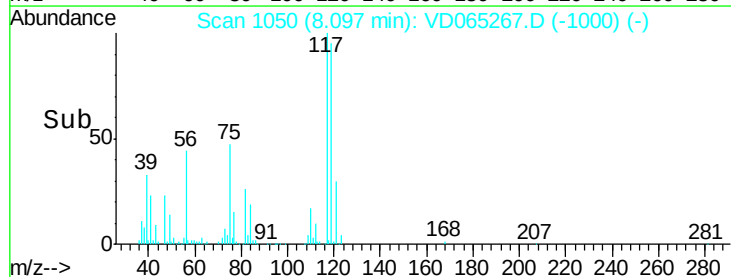
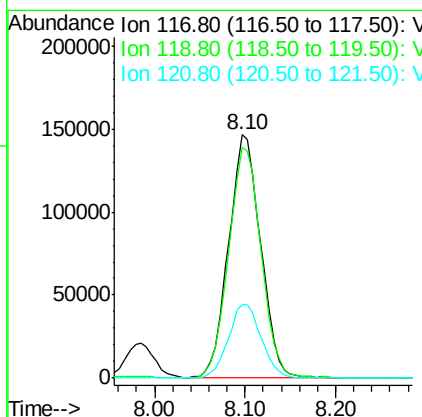
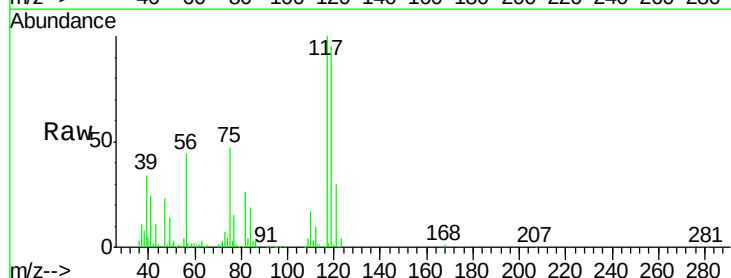
RT: 8.10 min Scan# 1050

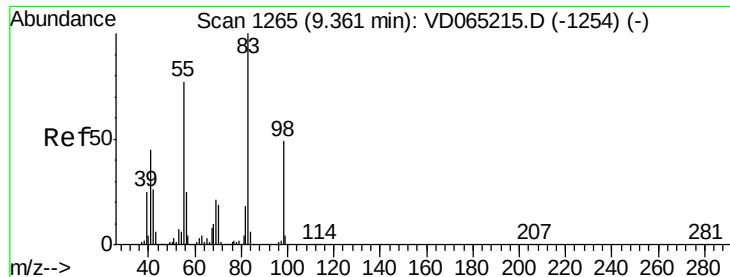
Delta R.T. -0.01 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Tgt Ion	117	Resp	359766
Ion	Ratio	Lower	Upper
117	100		
119	94.8	77.6	116.4
121	30.0	24.8	37.2





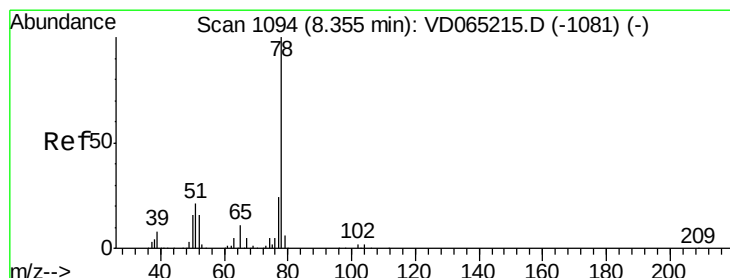
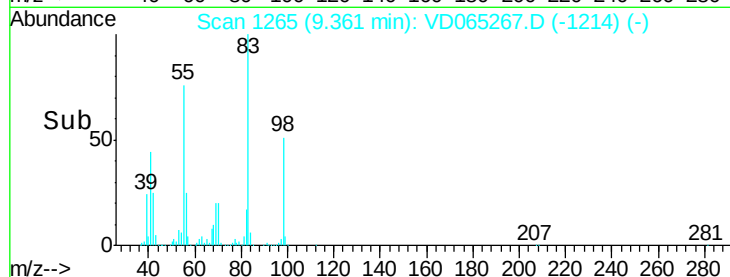
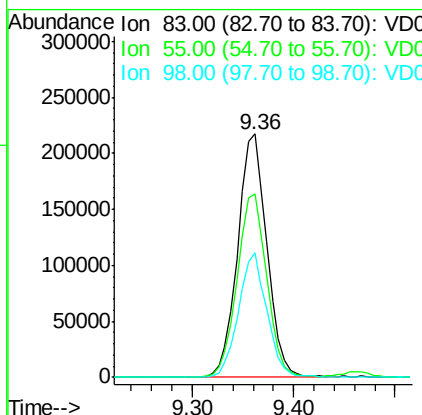
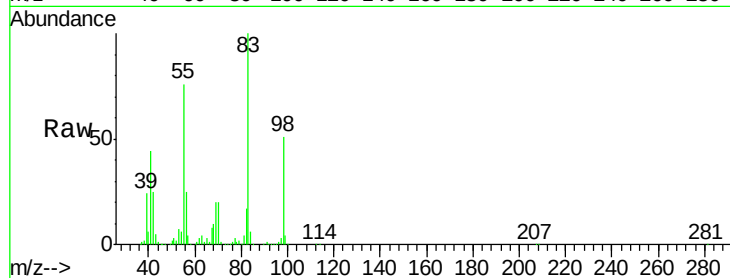
#39
Methylvlcyclohexane
Concen: 51.369 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	75.6	61.8	92.6
98	51.3	39.4	59.0

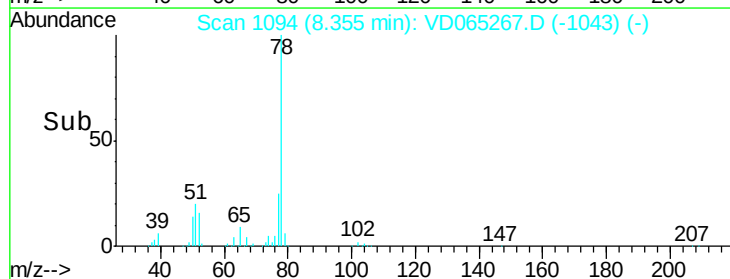
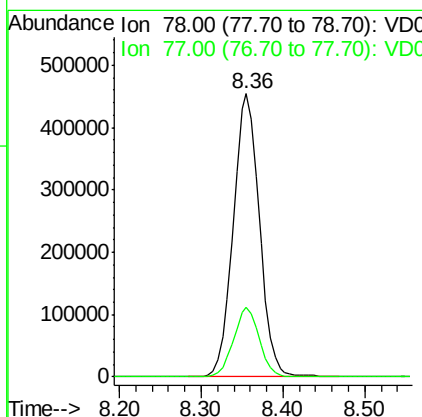
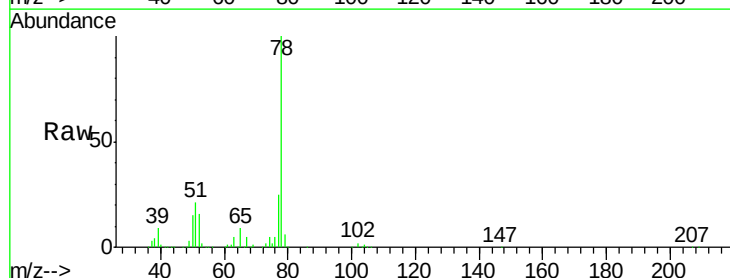
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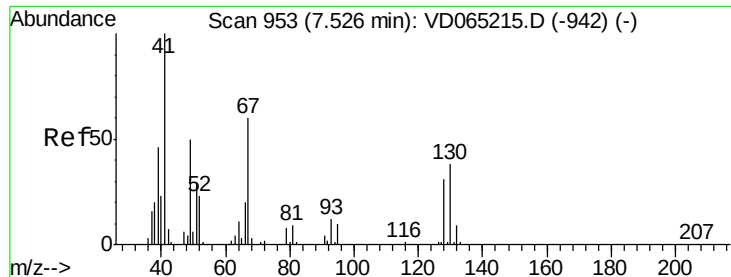
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#40
Benzene
Concen: 49.752 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6





#41

Methacrylonitrile

Concen: 52.120 ug/l m

RT: 7.54 min Scan# 956

Delta R.T. 0.02 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

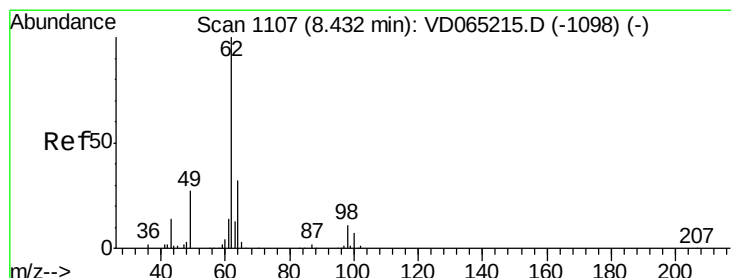
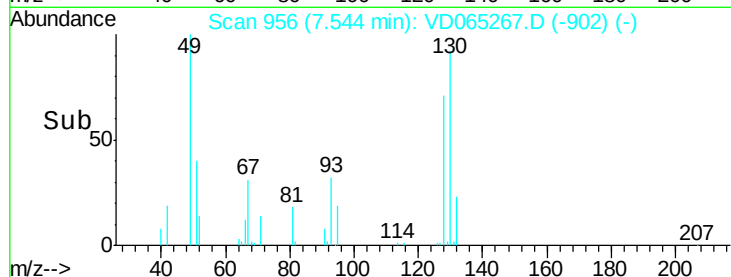
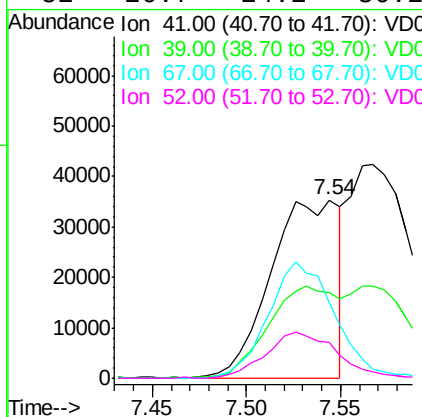
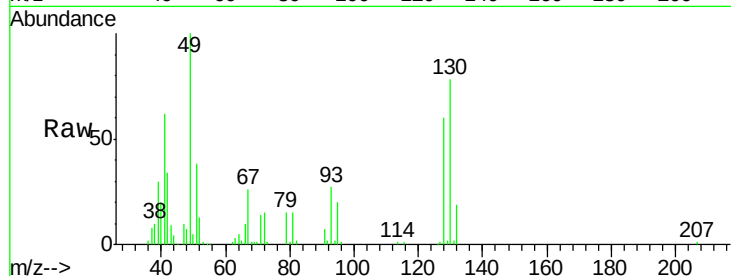
ClientSampleId :

VSTDCCC050

Tot Ion	41	Resp:	90665
Ion	Ratio	Lower	Upper
41	100		
39	51.6	48.1	72.1
67	62.8	58.9	88.3
52	26.7	24.2	36.2

Manual Integrations
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2/24/2020 11:08:45 AM



#42

1,2-Dichloroethane

Concen: 47.237 ug/l

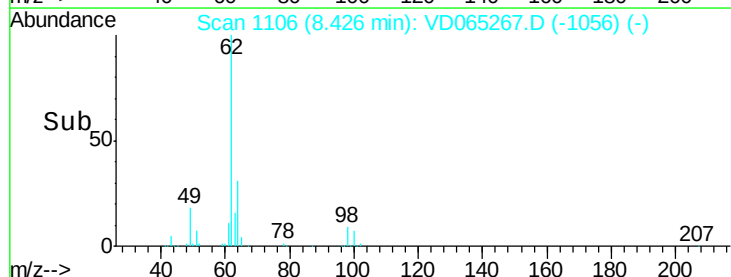
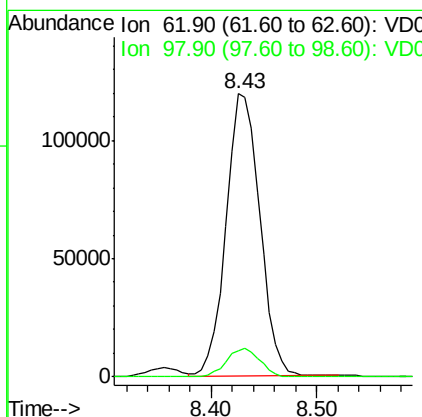
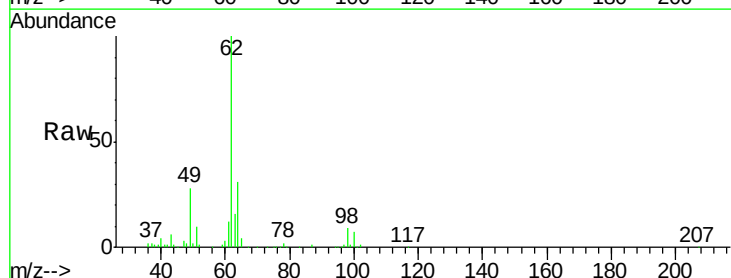
RT: 8.43 min Scan# 1106

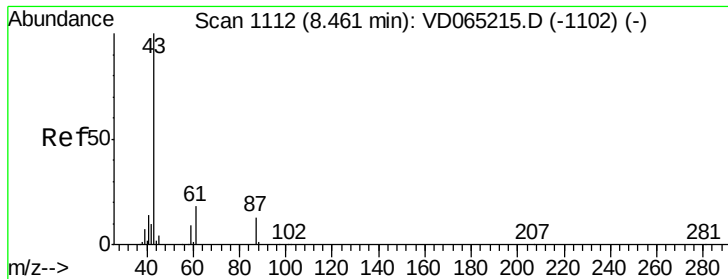
Delta R.T. -0.01 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Tgt Ion	62	Resp:	264162
Ion	Ratio	Lower	Upper
62	100		
98	10.2	0.0	20.6





#43

Isopropyl Acetate

Concen: 46.070 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.01 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

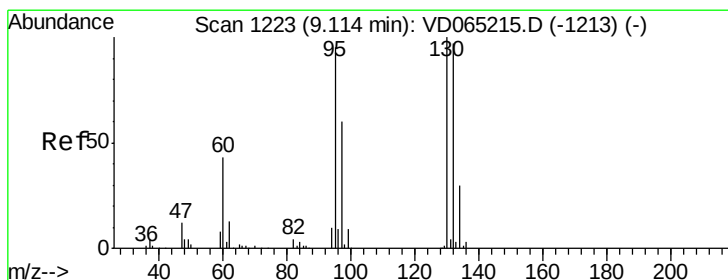
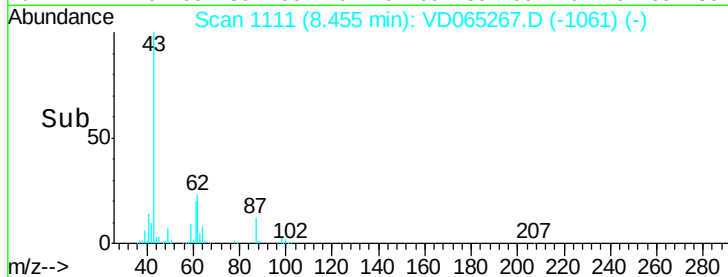
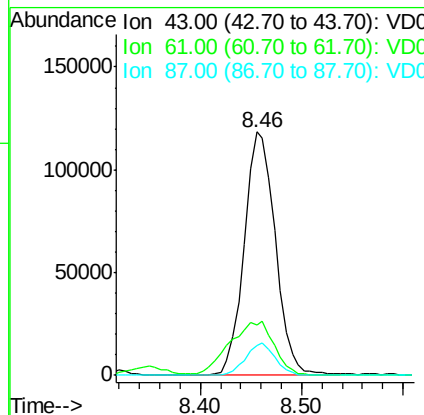
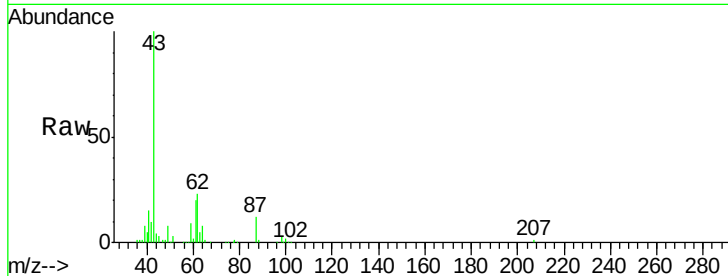
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	252400
Ion	Ratio	Lower	Upper
43	100		
61	31.9	24.6	36.8
87	12.5	10.6	16.0

Manual Integrations
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#44

Trichloroethene

Concen: 49.064 ug/l

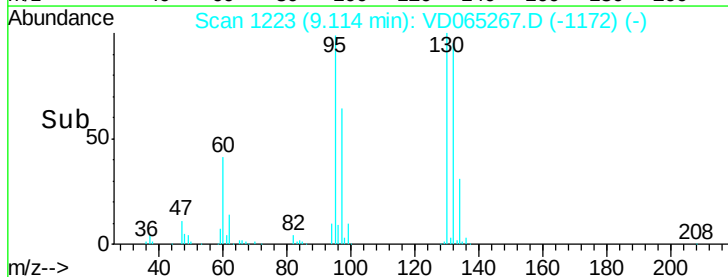
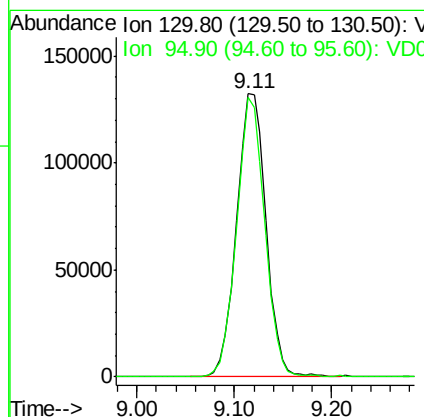
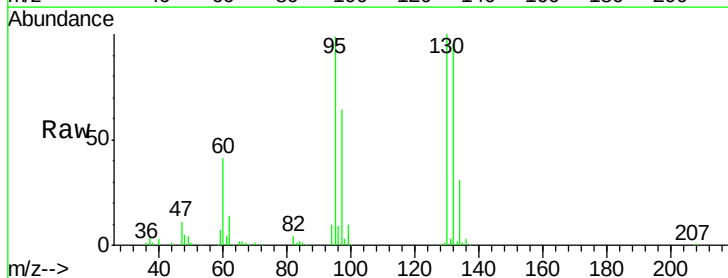
RT: 9.11 min Scan# 1223

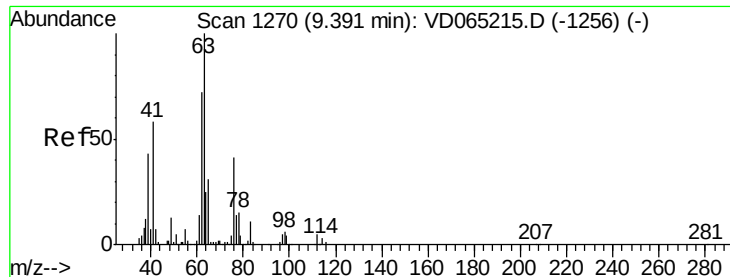
Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Tgt Ion:	130	Resp:	276655
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	190.6





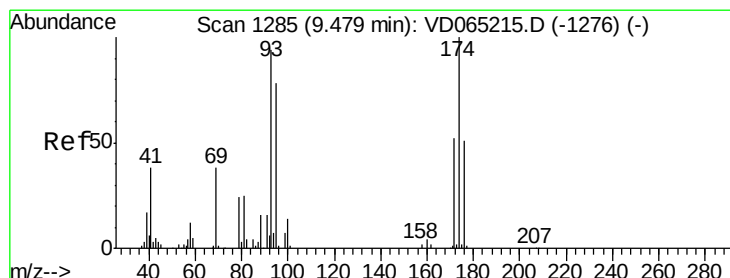
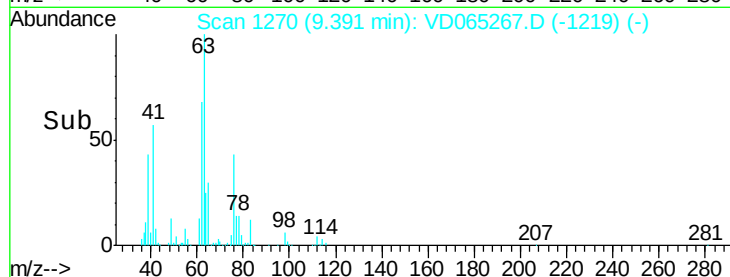
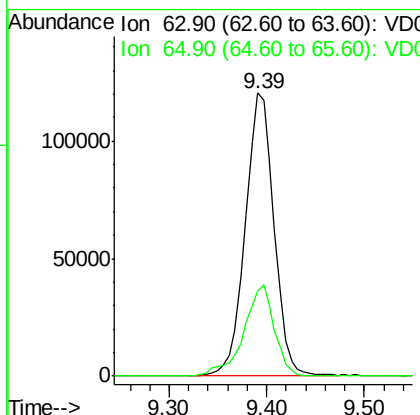
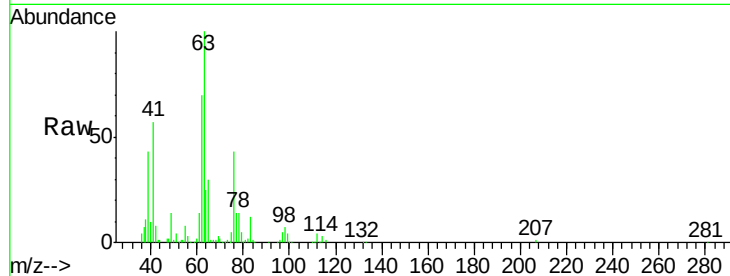
#45
 1,2-Dichloropropane
 Concen: 49.224 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
63	100		
65	29.8	24.9	37.3

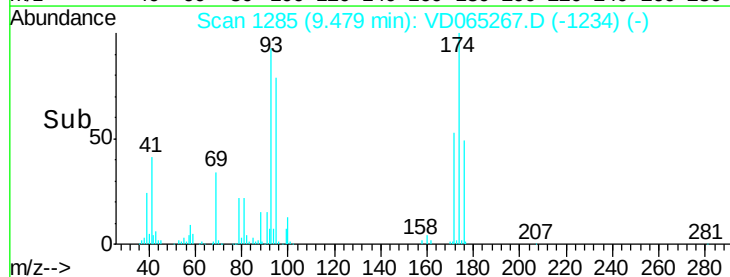
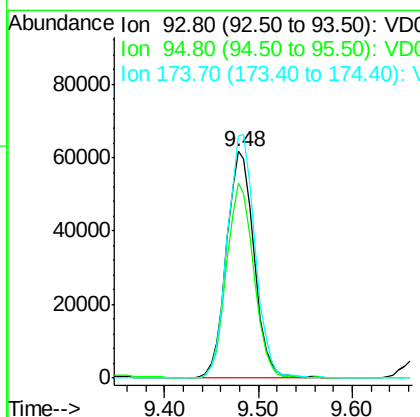
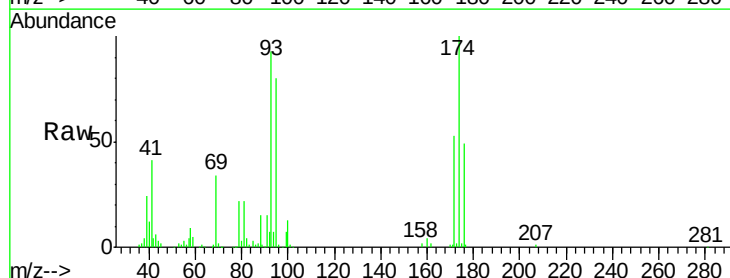
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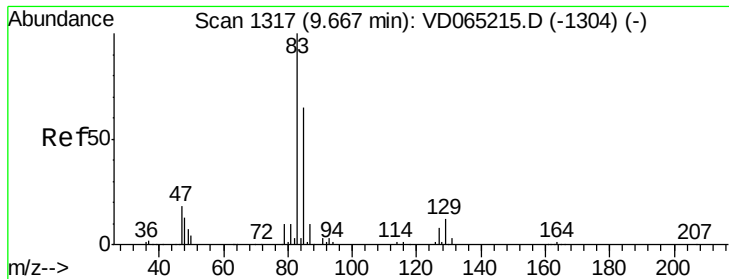
MMDadoda
 2/24/2020 11:08:45 AM



#46
 Dibromomethane
 Concen: 48.483 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.9	65.8	98.6
174	107.6	86.8	130.2





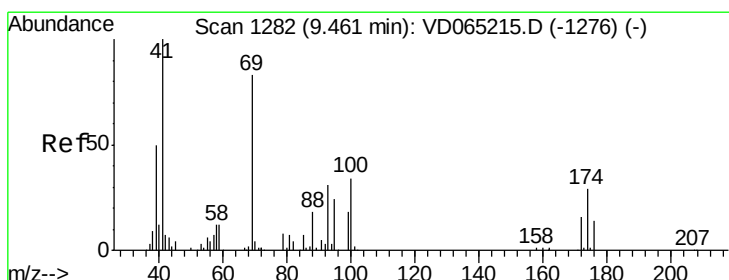
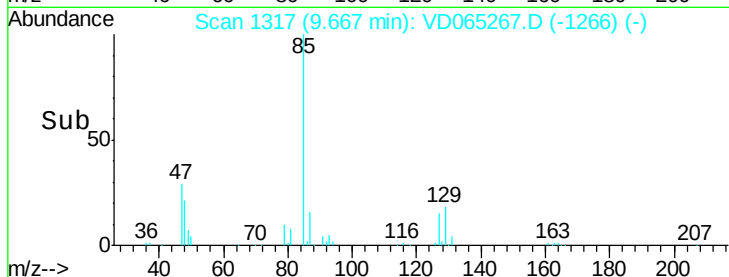
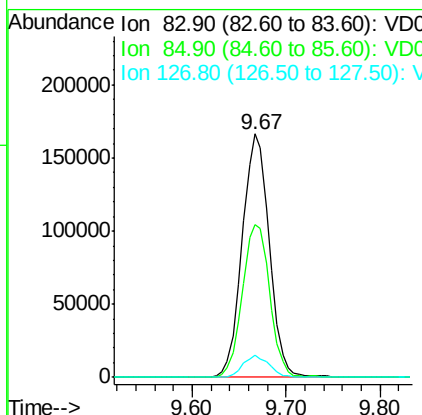
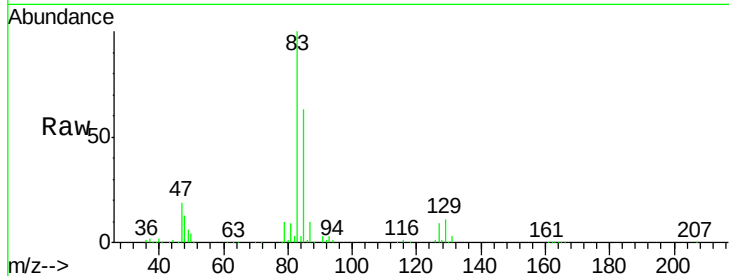
#47
Bromodichloromethane
Concen: 48.424 ug/l
RT: 9.67 min Scan# 1317
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
83	100	332119		
85	62.8	52.0	78.0	
127	9.1	6.7	10.1	

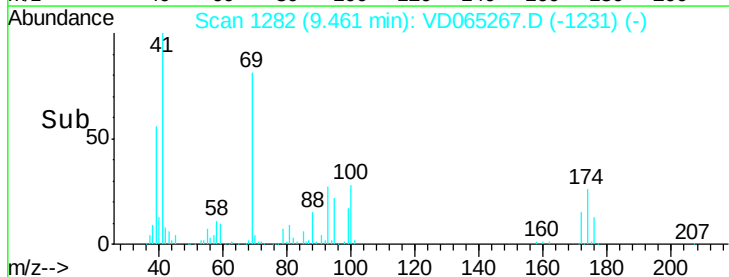
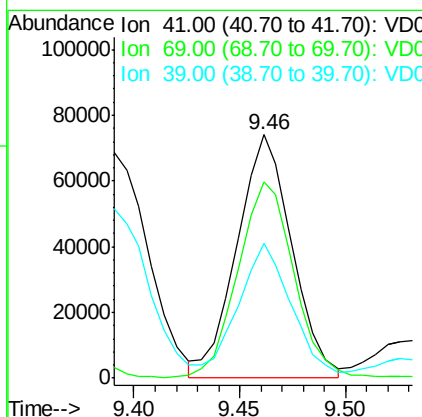
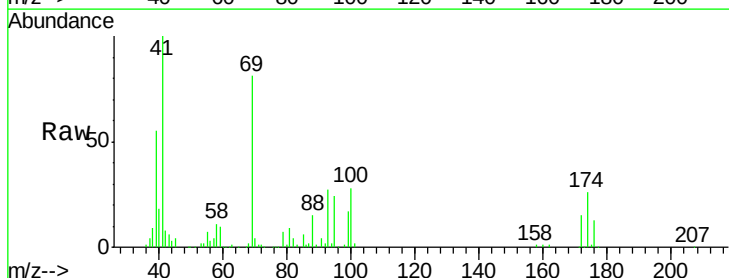
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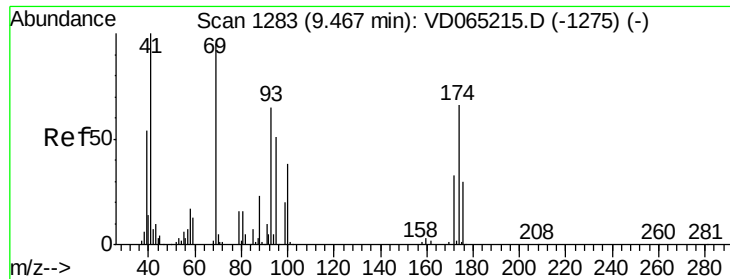
MMDadoda
2/24/2020 11:08:45 AM



#48
Methyl methacrylate
Concen: 52.571 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
41	100	133131		
69	81.7	68.2	102.2	
39	48.3	42.0	63.0	





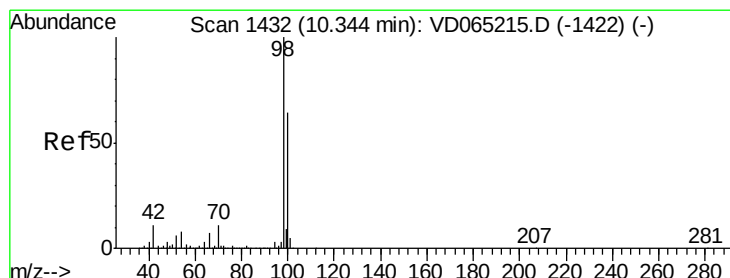
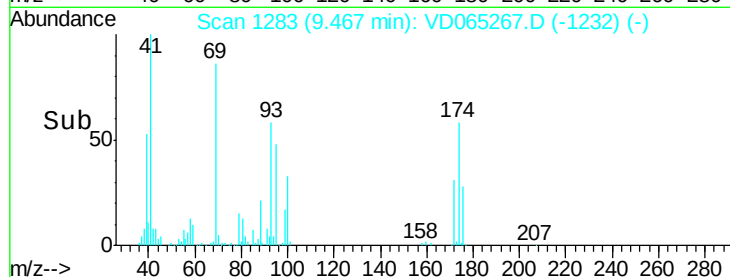
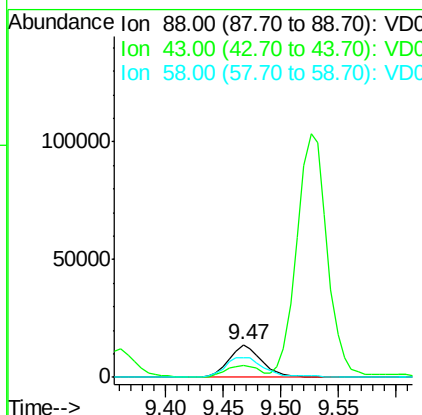
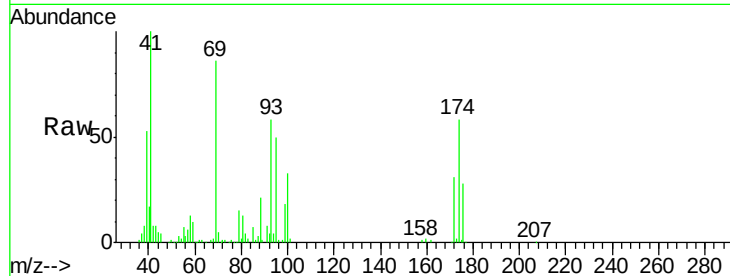
#49
1,4-Dioxane
Concen: 901.922 ug/l
RT: 9.47 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	32.9	28.5	42.7
58	68.0	58.6	87.8

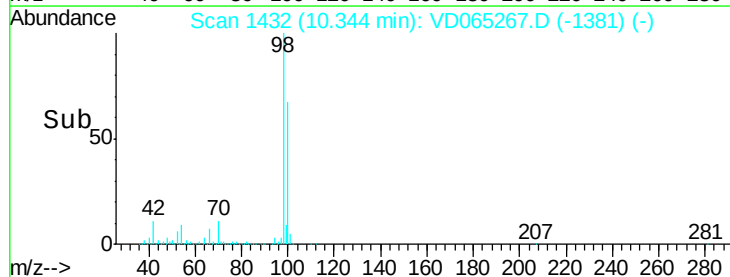
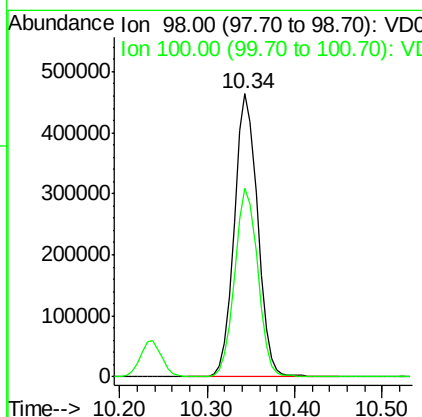
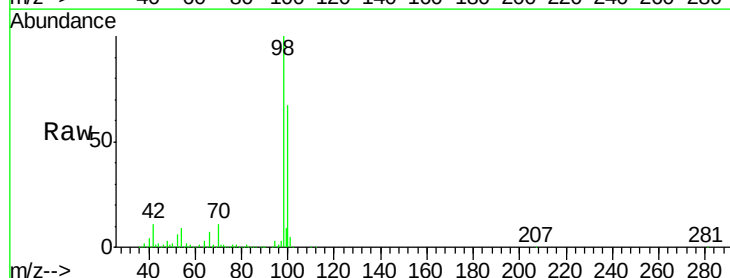
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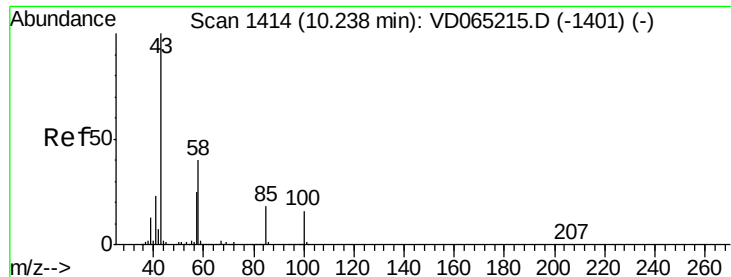
MMDadoda
2/24/2020 11:08:45 AM



#50
Toluene-d8
Concen: 48.252 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.0	78.0





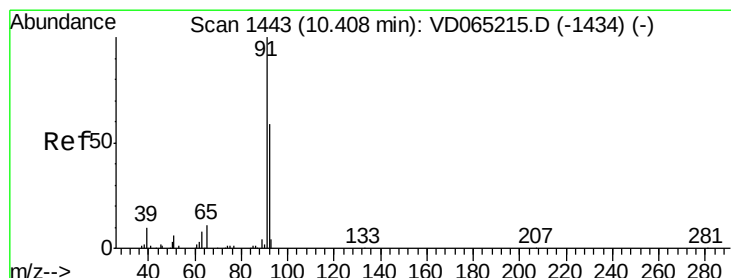
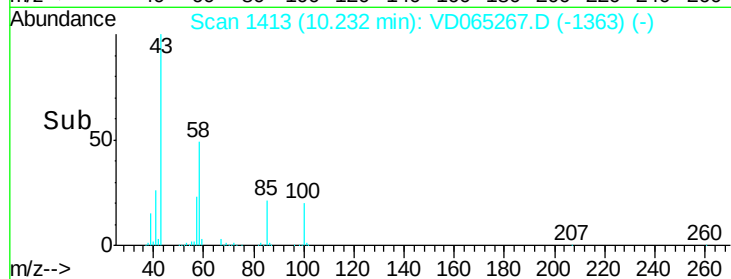
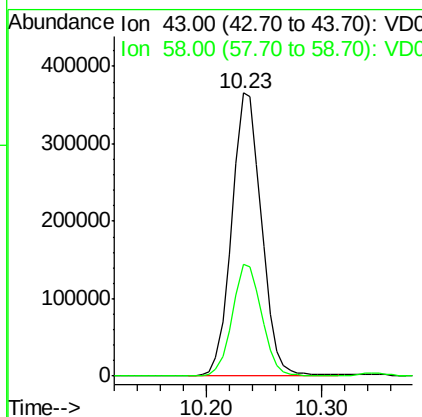
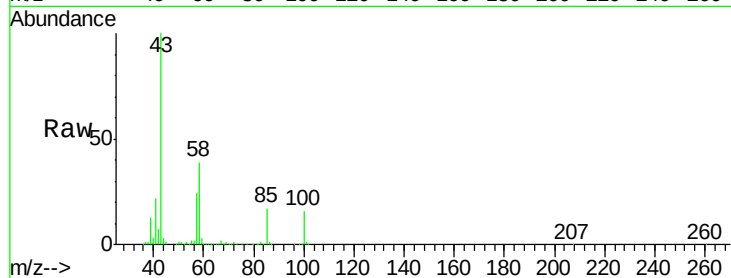
#51
4-Methyl-2-Pentanone
Concen: 235.202 ug/l
RT: 10.23 min Scan# 1413
Delta R.T. -0.01 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 654487
Ion Ratio Lower Upper
43 100
58 39.3 31.1 46.7

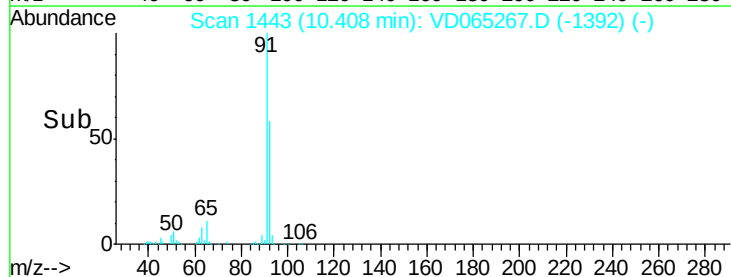
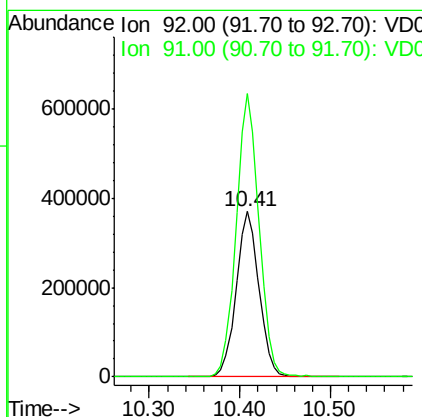
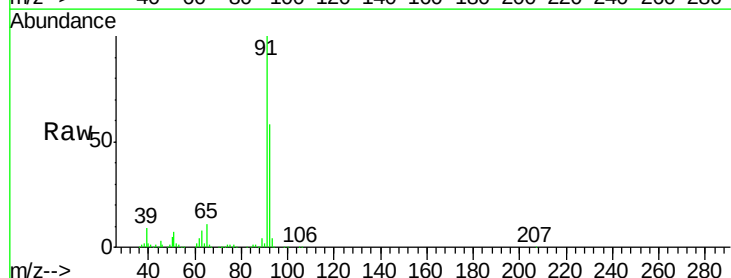
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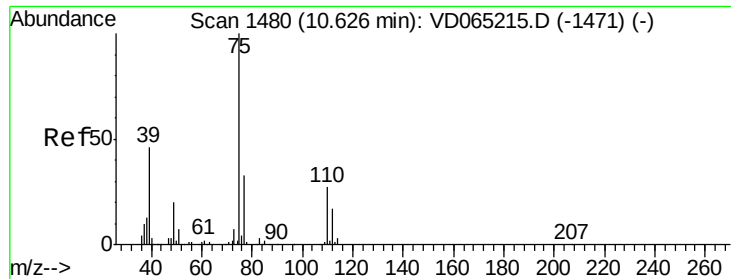
MMDadoda
2/24/2020 11:08:45 AM



#52
Toluene
Concen: 51.672 ug/l
RT: 10.41 min Scan# 1443
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion: 92 Resp: 650611
Ion Ratio Lower Upper
92 100
91 171.6 136.3 204.5





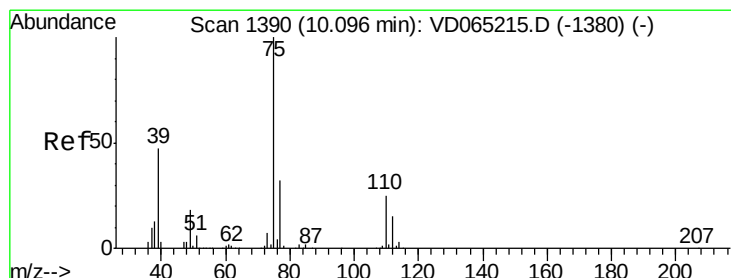
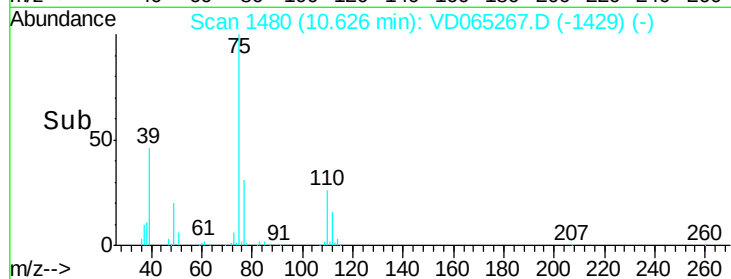
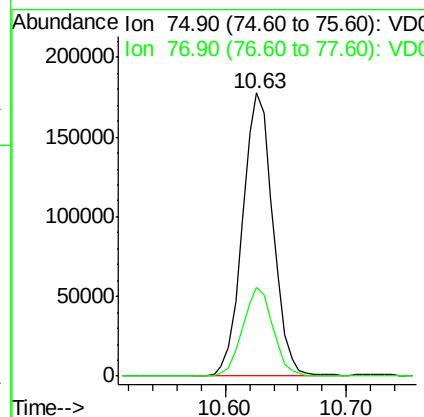
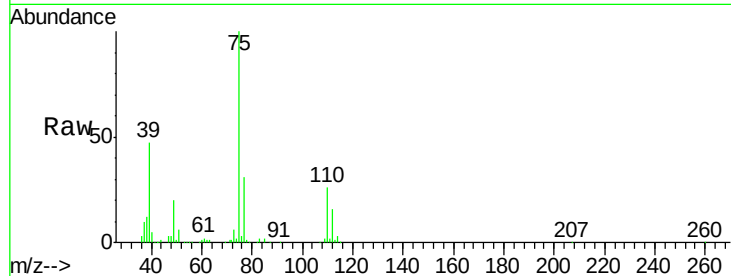
#53
t-1,3-Dichloropropene
Concen: 49.239 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.3	26.6	40.0

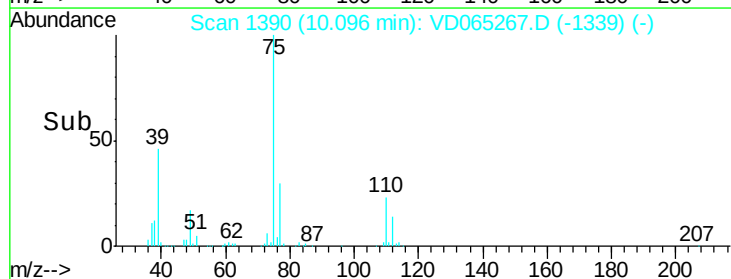
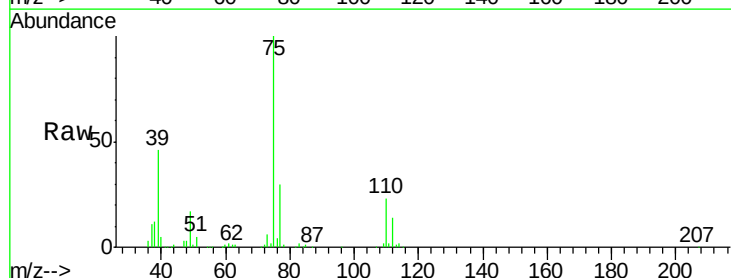
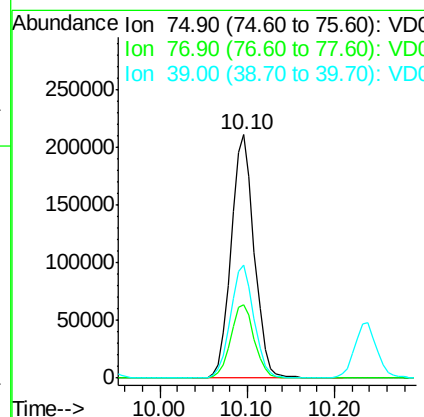
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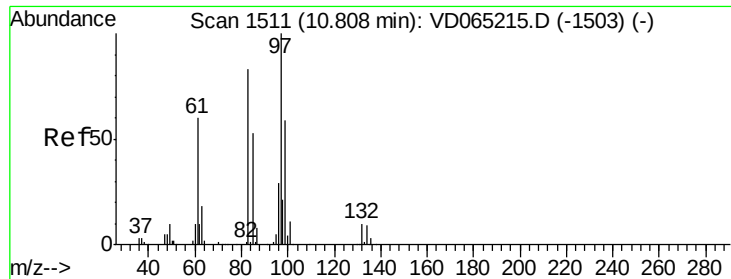
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 49.710 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.3	25.8	38.8
39	46.3	37.3	55.9





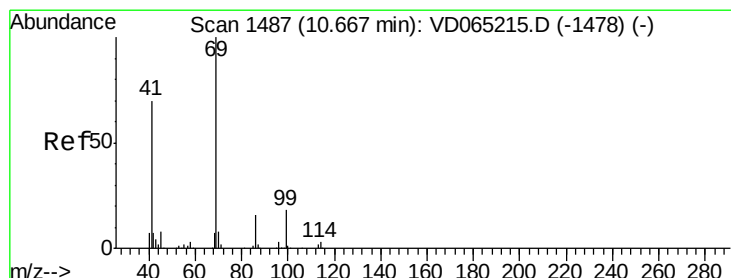
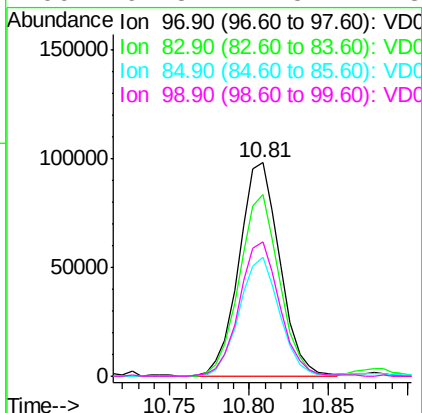
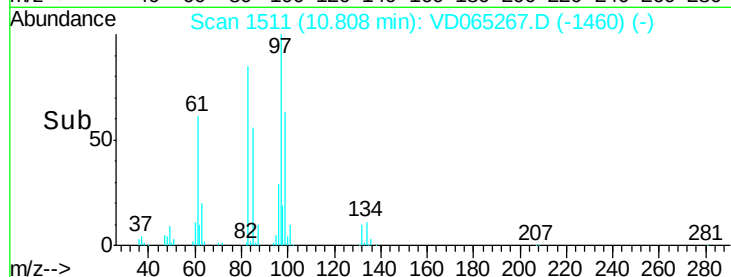
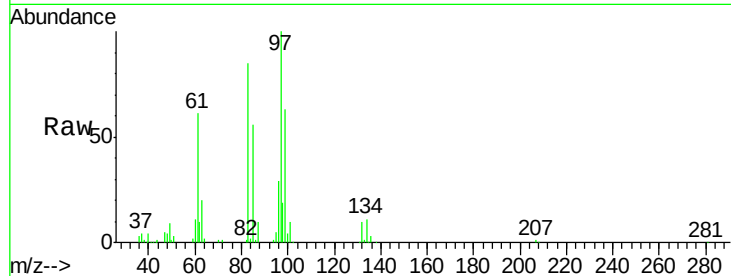
#55
 1,1,2-Trichloroethane
 Concen: 47.967 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		175707		
83	85.0	66.7	100.1		
85	55.8	42.4	63.6		
99	62.8	47.5	71.3		

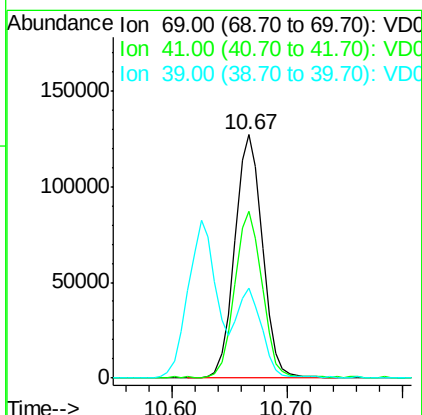
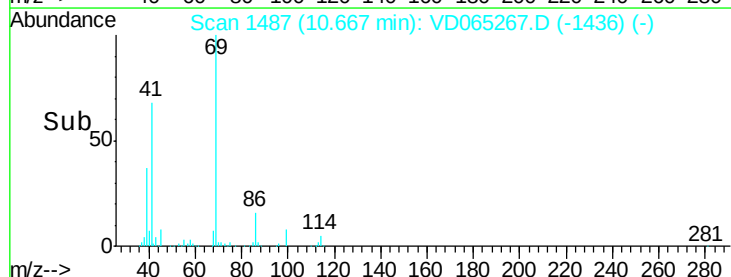
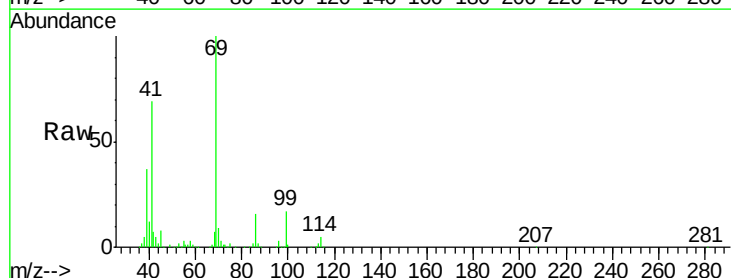
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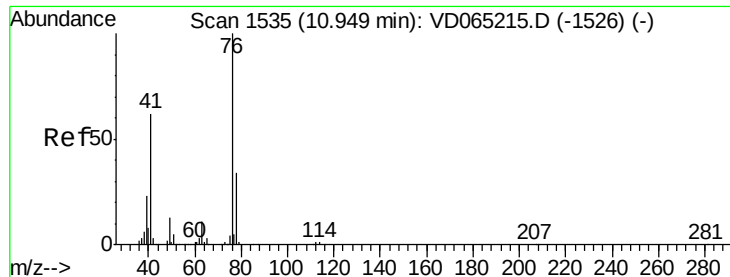
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 2/24/2020 11:08:45 AM



#56
 Ethyl methacrylate
 Concen: 50.018 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		211475		
41	67.0	54.6	81.8		
39	33.4	26.5	39.7		





#57

1,3-Dichloropropane

Concen: 49.224 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 76 Resp: 306887

Ion Ratio Lower Upper

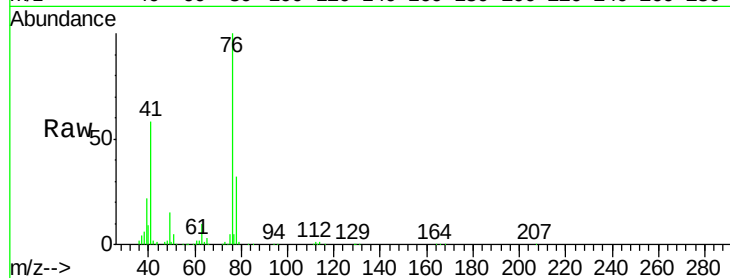
76 100

78 31.8 26.3 39.5

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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

200000

150000

100000

50000

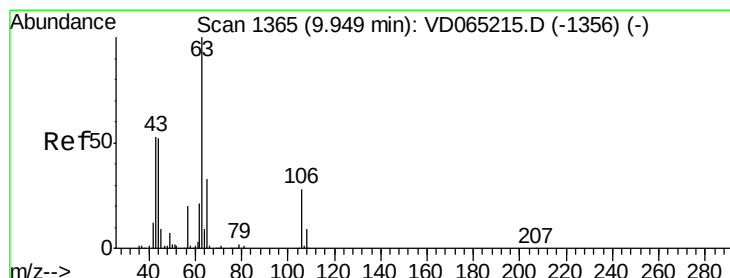
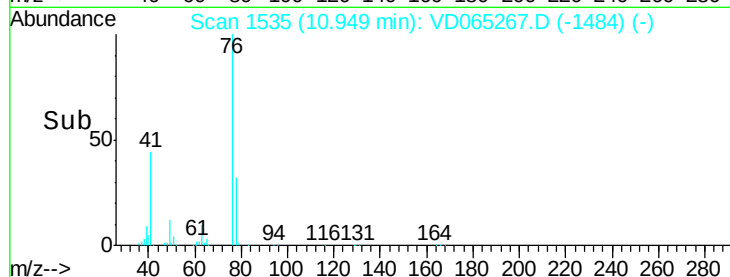
0

10.95

10.90

11.00

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 218.553 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD065267.D

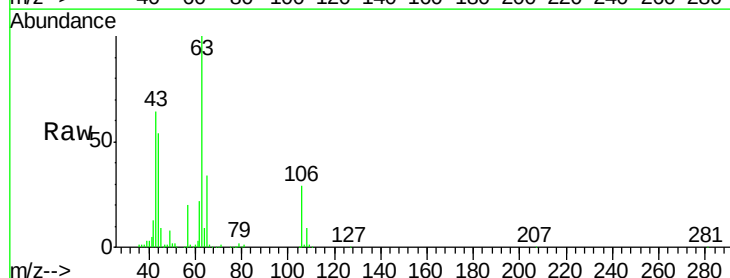
Acq: 21 Feb 2020 11:00

Tgt Ion: 63 Resp: 291323

Ion Ratio Lower Upper

63 100

106 28.5 22.8 34.2



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

200000

150000

100000

50000

0

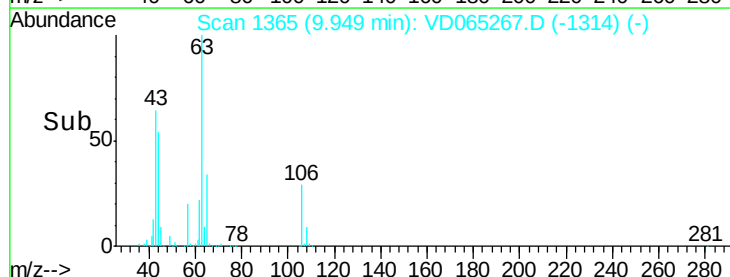
9.95

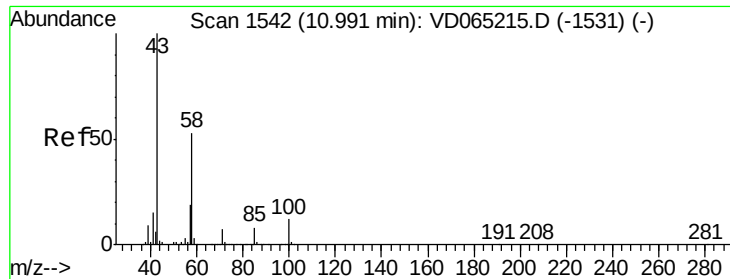
9.90

10.00

10.10

Time-->





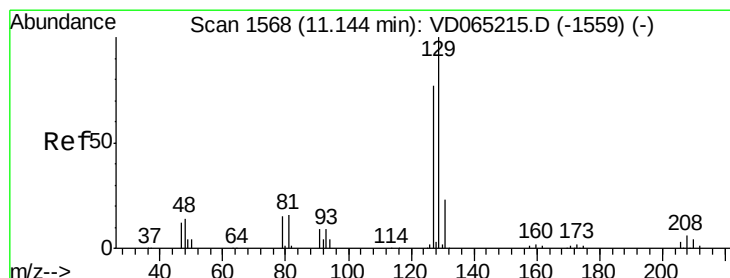
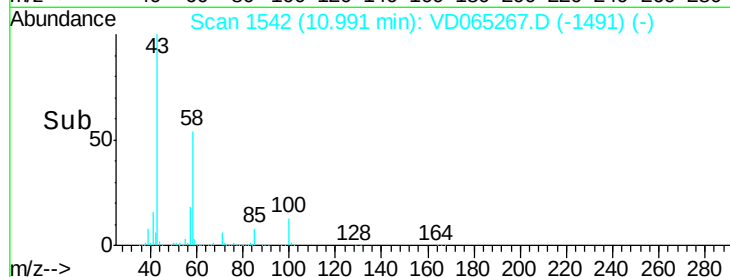
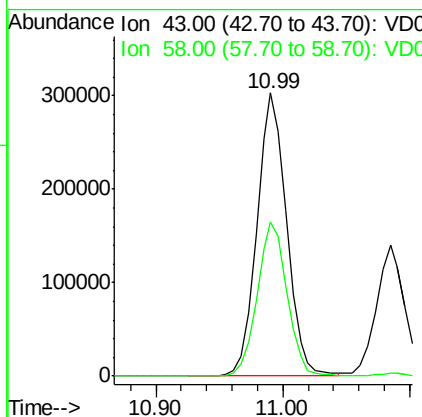
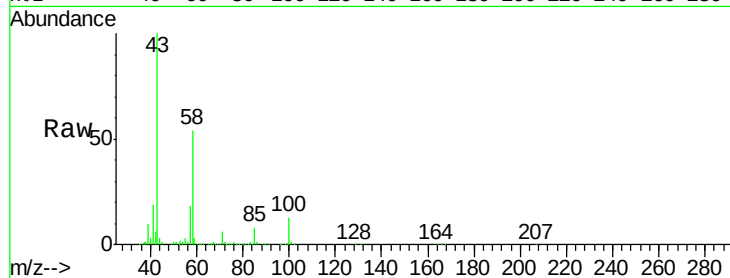
#59
2-Hexanone
Concen: 248.068 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.8	26.3	78.8

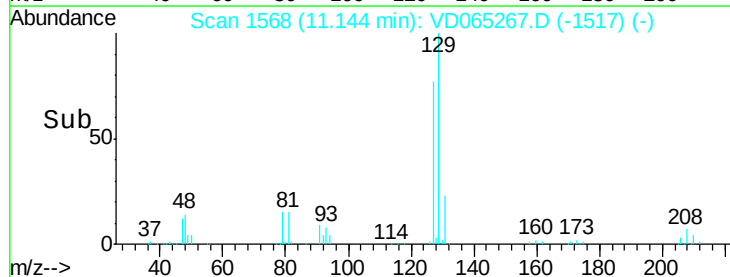
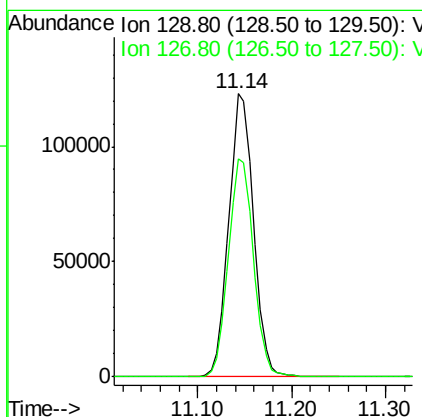
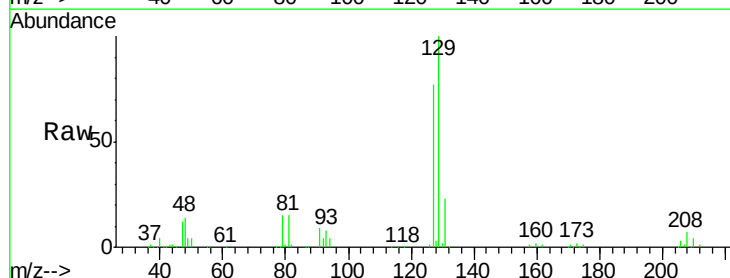
Manual Integrations
APPROVED

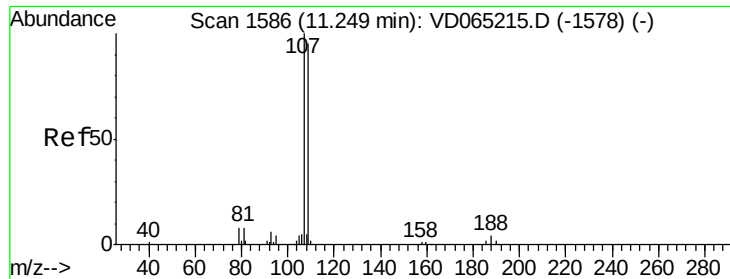
MMDadoda
2/24/2020 11:08:45 AM



#60
Dibromochloromethane
Concen: 47.945 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.3	38.7	116.1





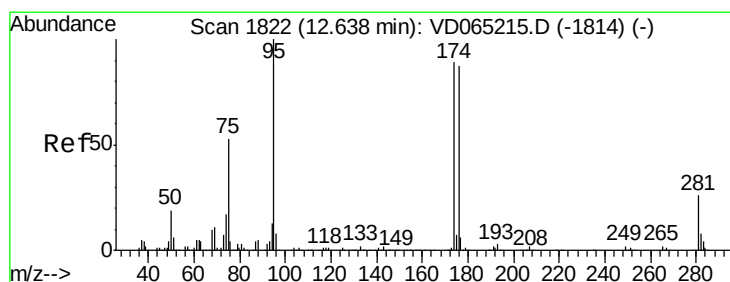
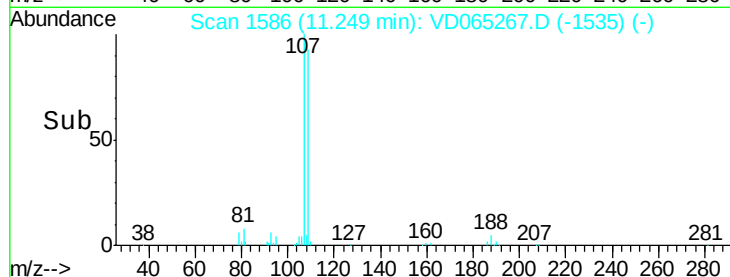
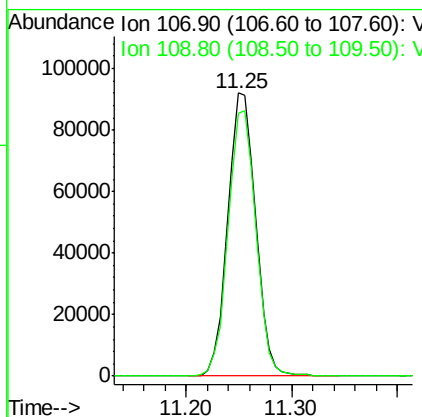
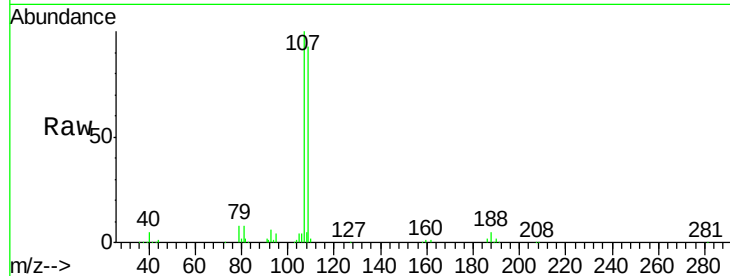
#61
 1,2-Dibromoethane
 Concen: 48.466 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 107 Resp: 168092
 Ion Ratio Lower Upper
 107 100
 109 93.6 76.2 114.4

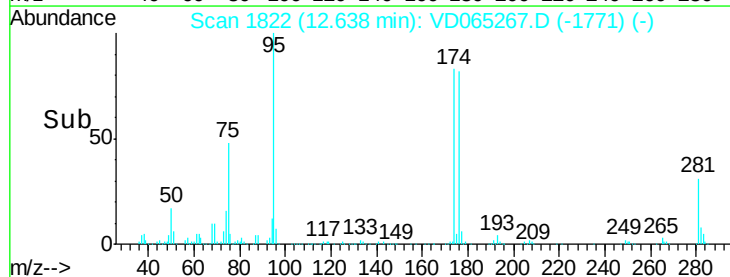
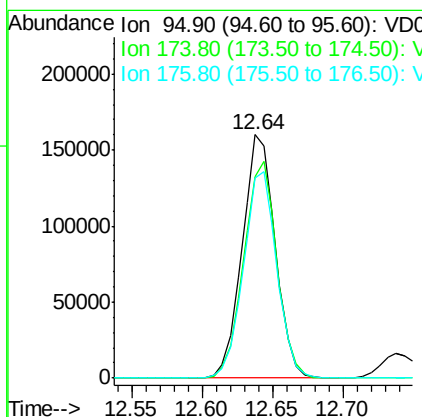
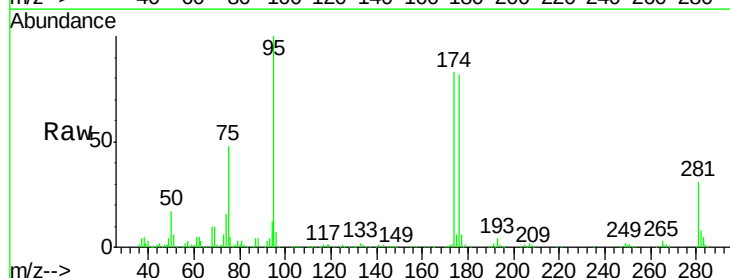
Manual Integrations
 APPROVED

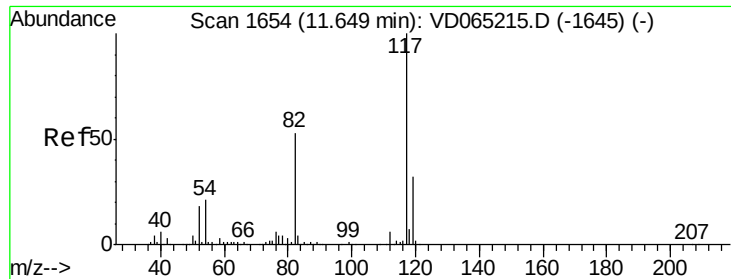
MMDadoda
 2/24/2020 11:08:45 AM



#62
 4-Bromofluorobenzene
 Concen: 47.875 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion: 95 Resp: 261847
 Ion Ratio Lower Upper
 95 100
 174 89.7 0.0 178.0
 176 85.8 0.0 174.4





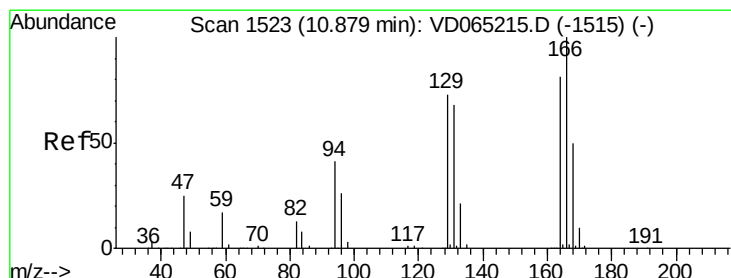
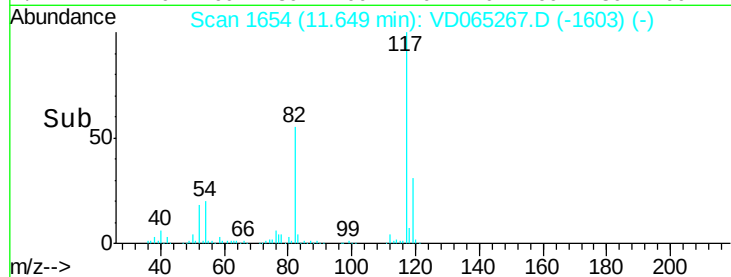
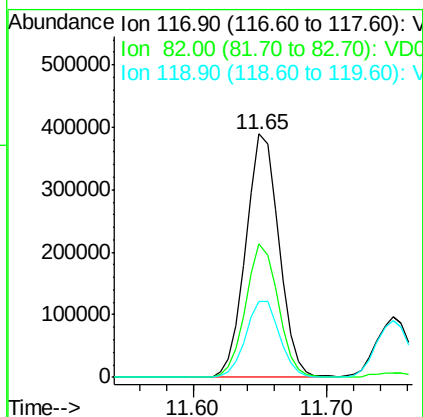
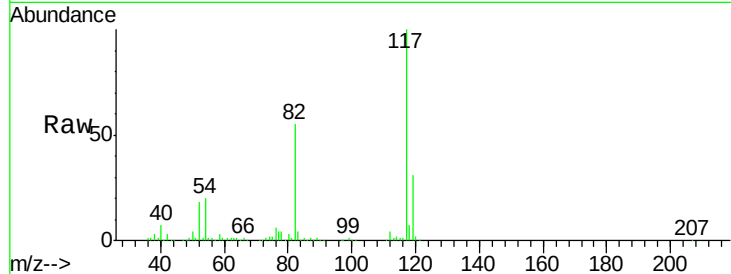
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.0	42.7	64.1
119	31.4	25.5	38.3

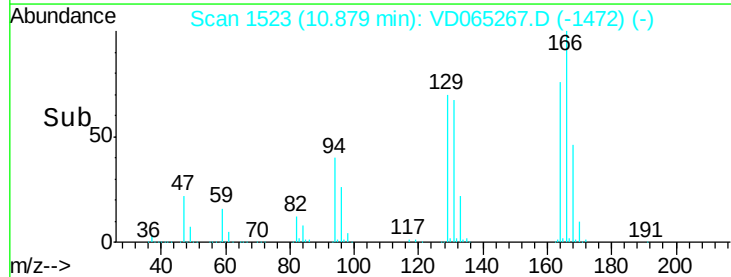
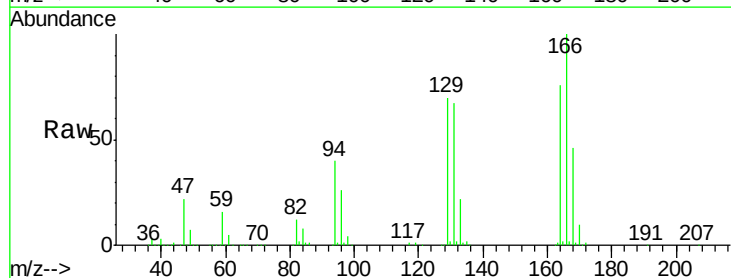
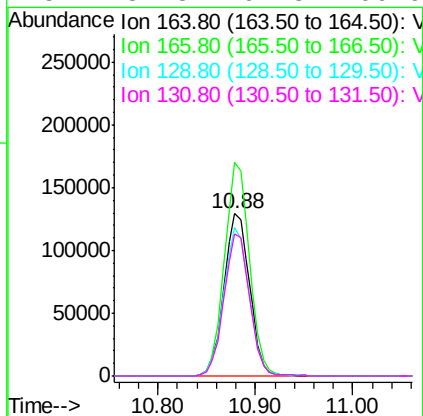
Manual Integrations
APPROVED

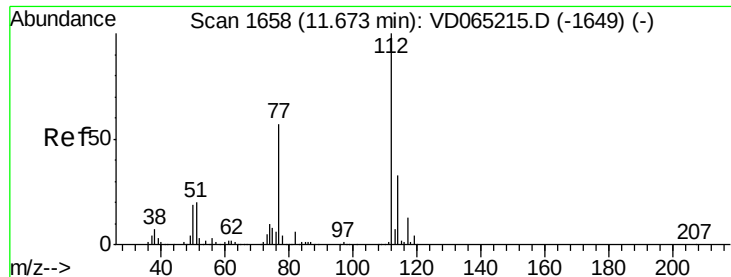
MMDadoda
2/24/2020 11:08:45 AM



#64
Tetrachloroethene
Concen: 49.798 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.7	98.4	147.6
129	92.0	71.6	107.4
131	87.8	67.3	100.9





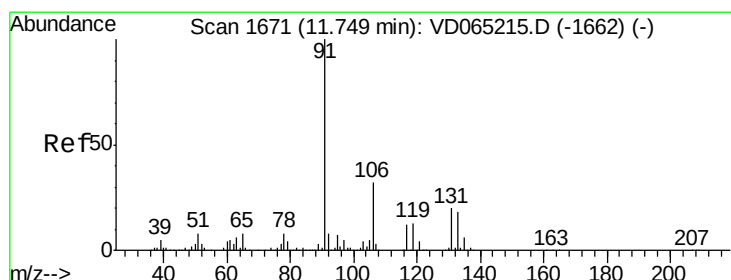
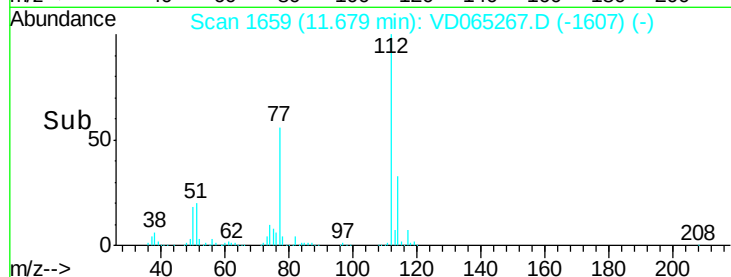
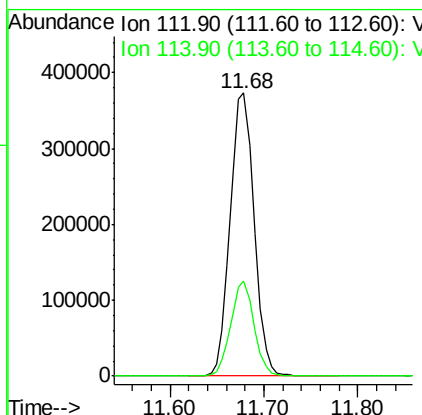
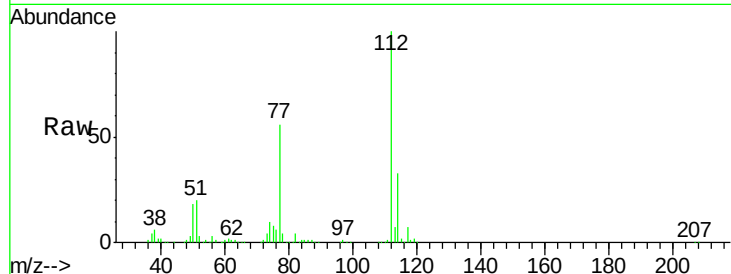
#65
Chlorobenzene
Concen: 49.470 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
112	100		
114	33.5	26.4	39.6

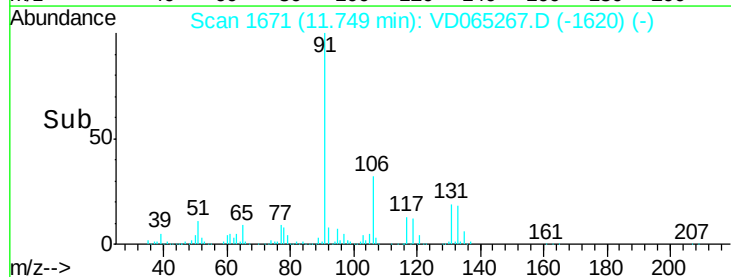
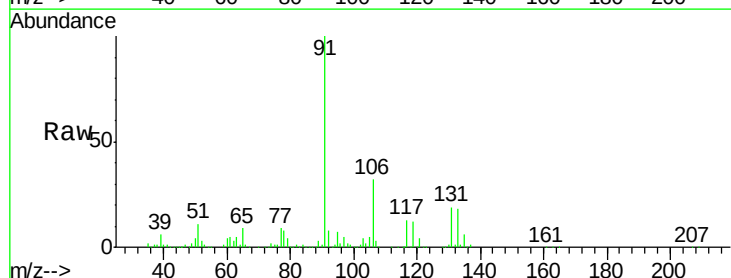
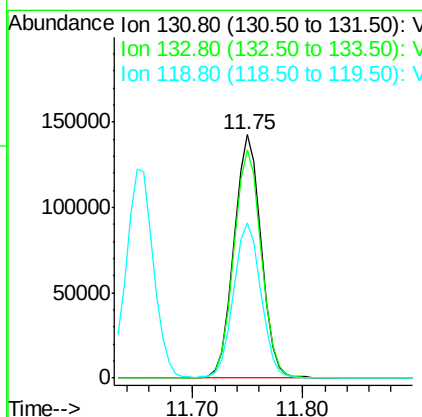
Manual Integrations
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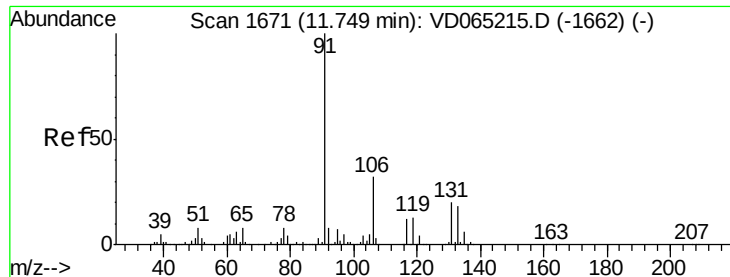
MMDadoda
2/24/2020 11:08:45 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 49.456 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.1	47.7	143.1
119	64.7	32.7	98.1





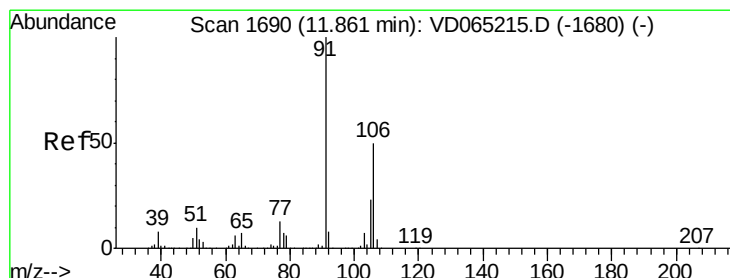
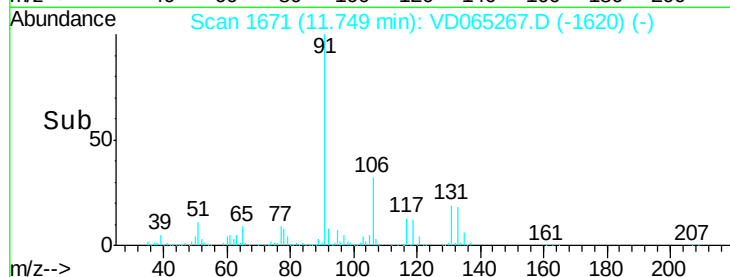
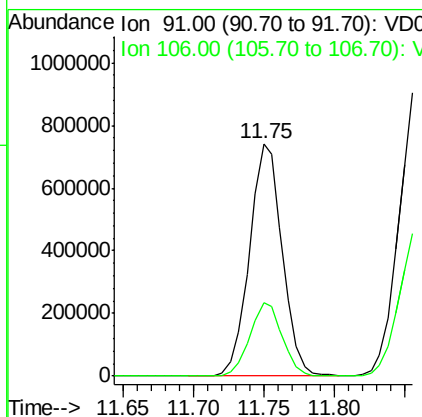
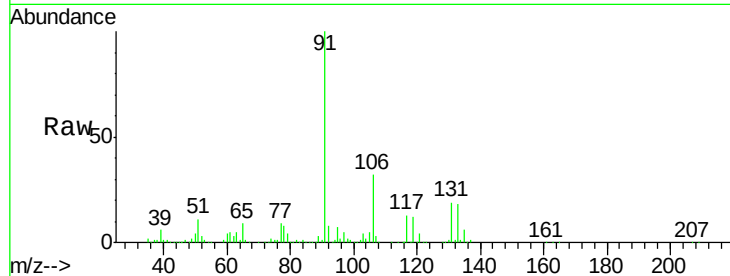
#67
Ethyl Benzene
Concen: 51.492 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1208279
Ion Ratio Lower Upper
91 100
106 31.6 25.2 37.8

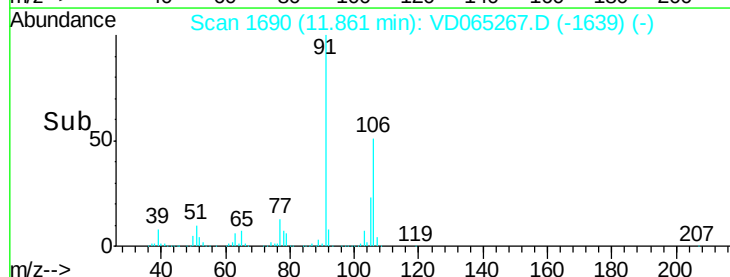
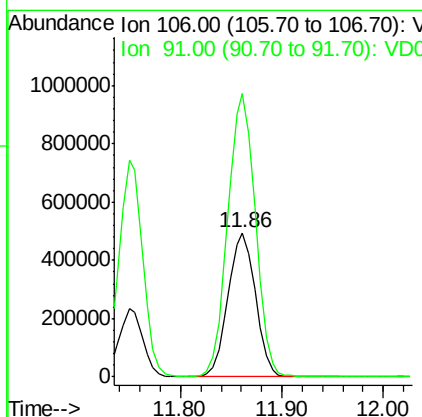
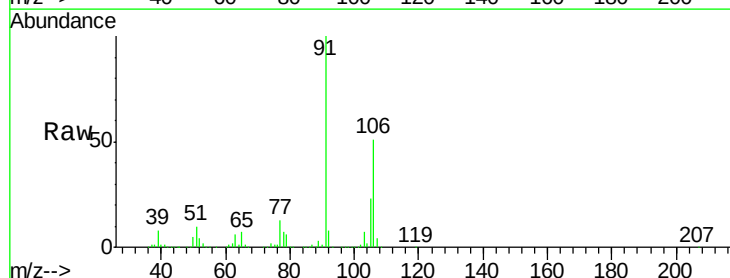
Manual Integrations
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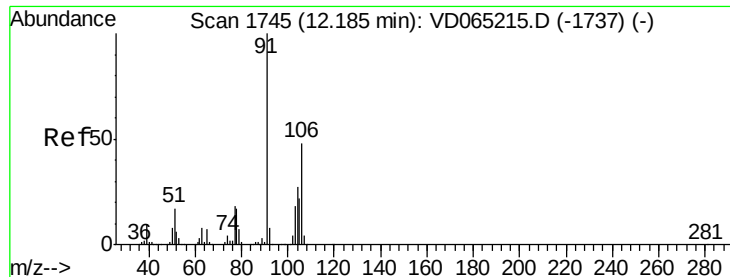
MMDadoda
2/24/2020 11:08:45 AM



#68
m/p-Xylenes
Concen: 103.692 ug/l
RT: 11.86 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion: 106 Resp: 930901
Ion Ratio Lower Upper
106 100
91 197.1 158.2 237.4





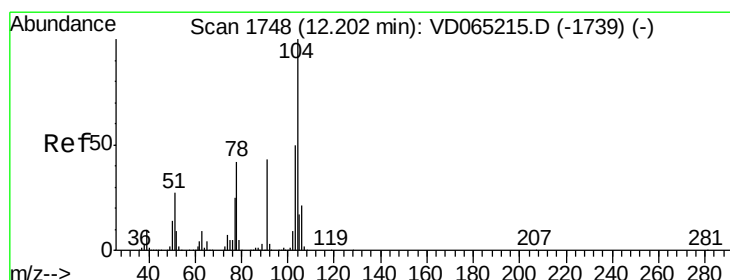
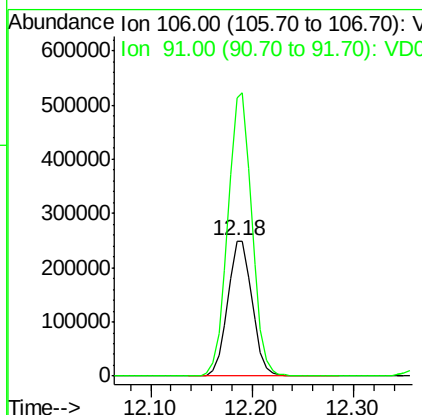
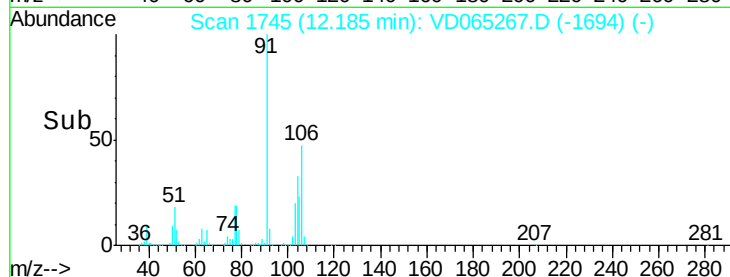
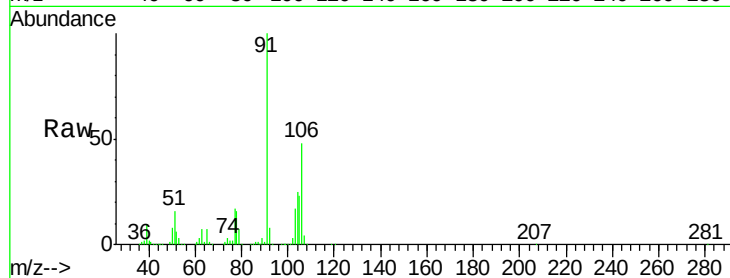
#69
o-Xylene
Concen: 52.311 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 416066
Ion Ratio Lower Upper
106 100
91 206.6 104.7 313.9

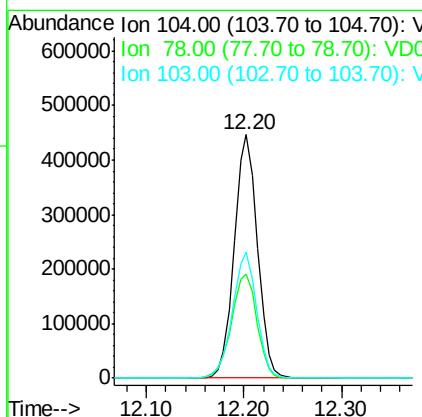
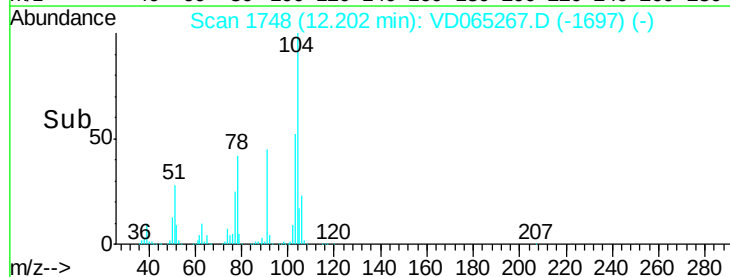
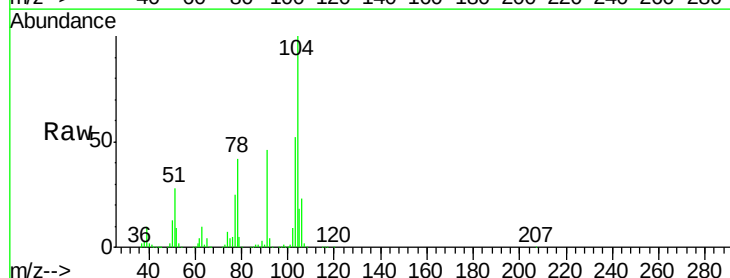
Manual Integrations
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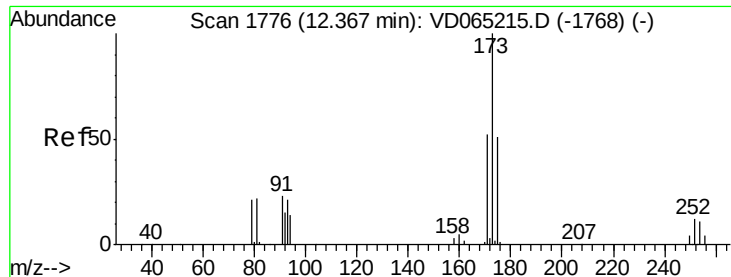
MMDadoda
2/24/2020 11:08:45 AM



#70
Styrene
Concen: 52.095 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion:104 Resp: 735662
Ion Ratio Lower Upper
104 100
78 47.0 37.8 56.6
103 54.1 43.4 65.2





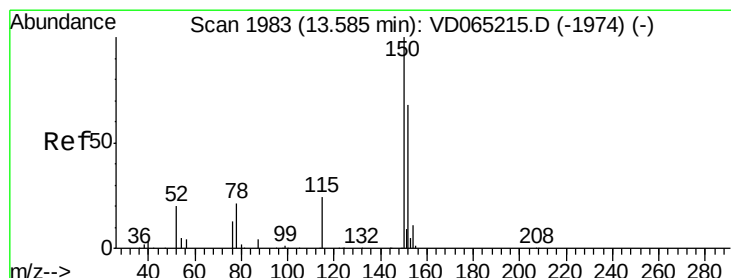
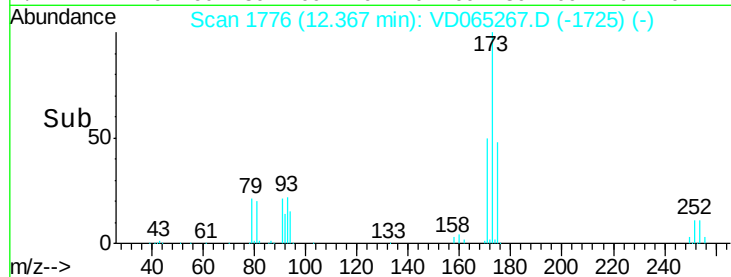
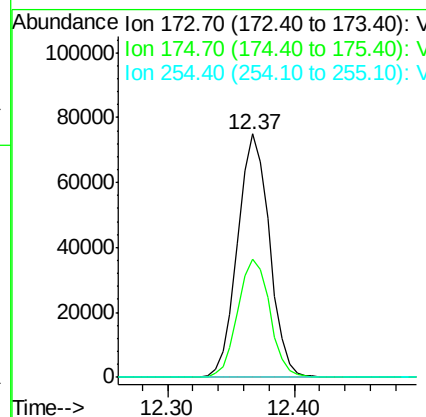
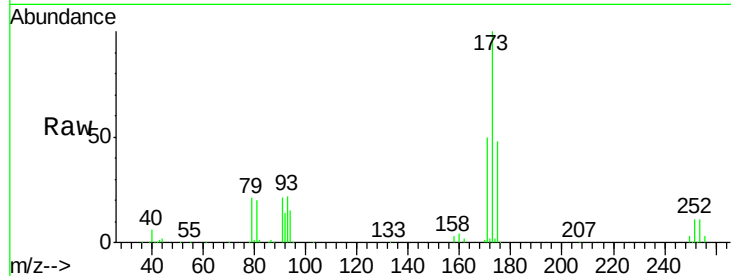
#71
Bromoform
Concen: 46.957 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.4	73.4
254	0.1	0.0	0.0#

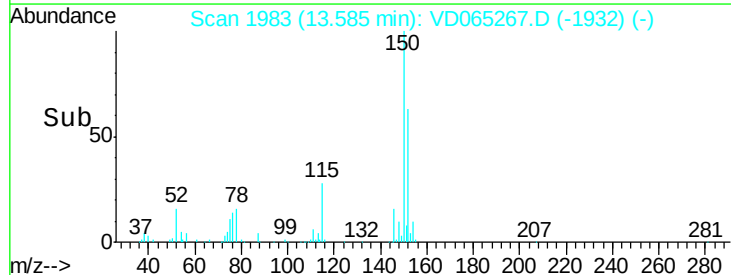
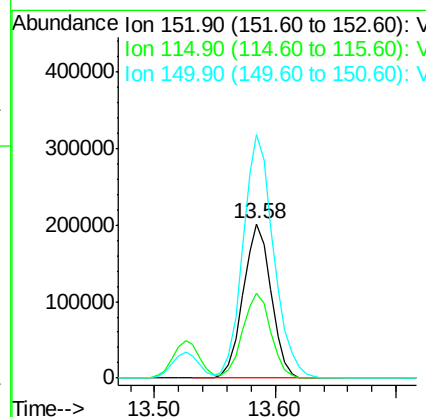
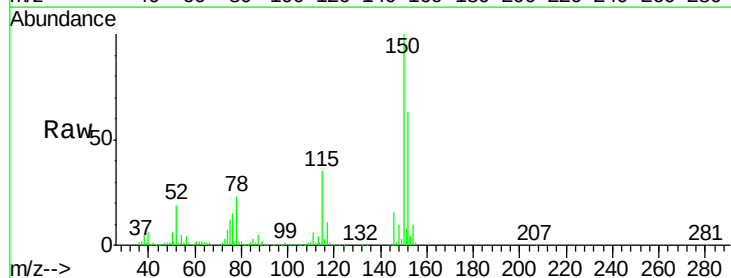
Manual Integrations
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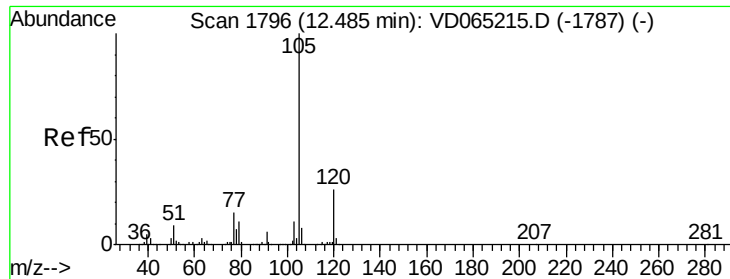
MMDadoda
2/24/2020 11:08:45 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	27.6	82.8
150	171.9	0.0	347.4





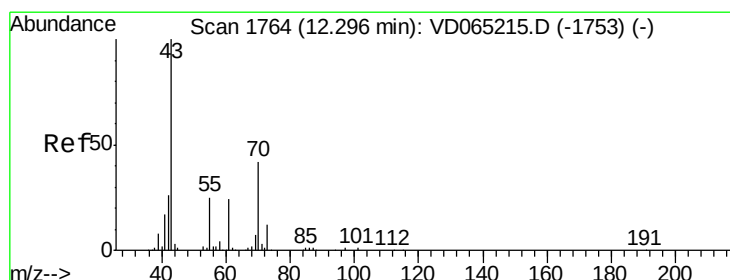
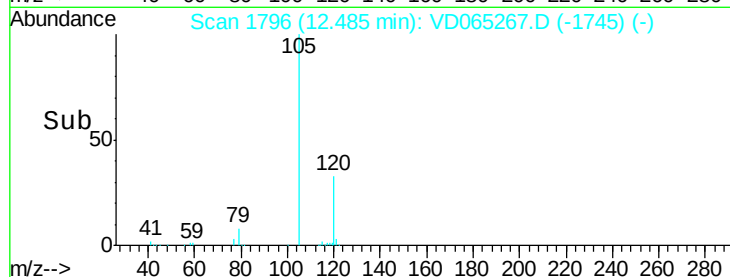
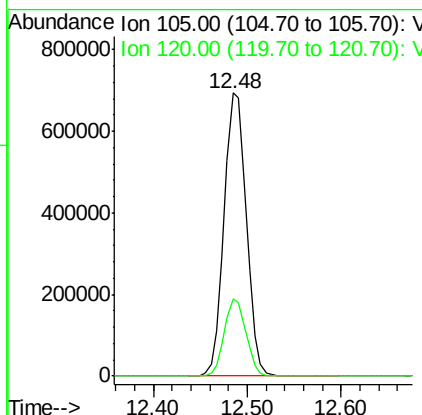
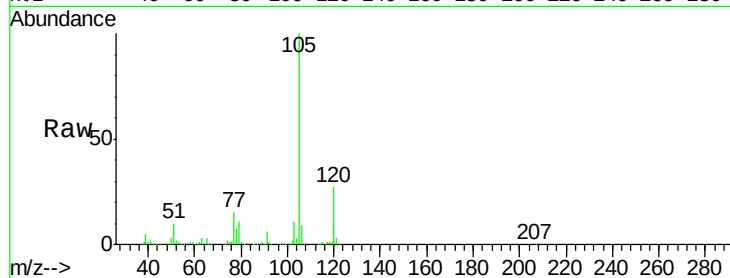
#73
Isopropylbenzene
Concen: 53.029 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 105 Resp: 1144682
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9

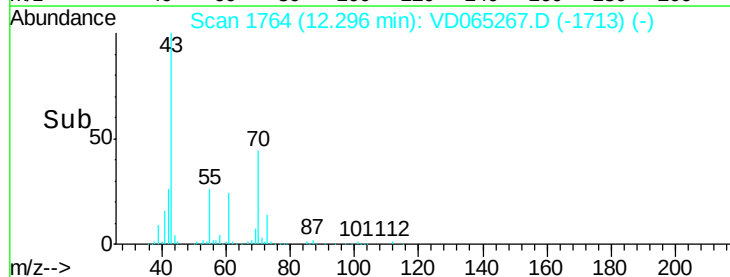
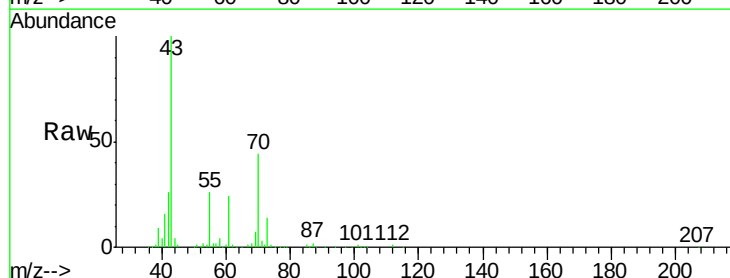
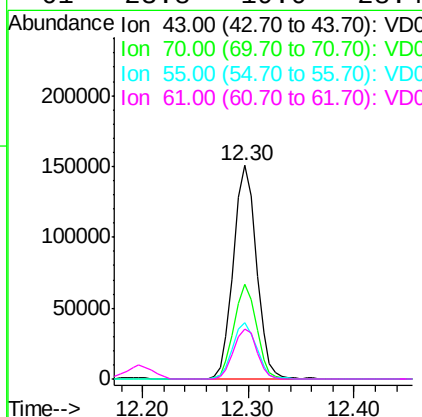
Manual Integrations
APPROVED

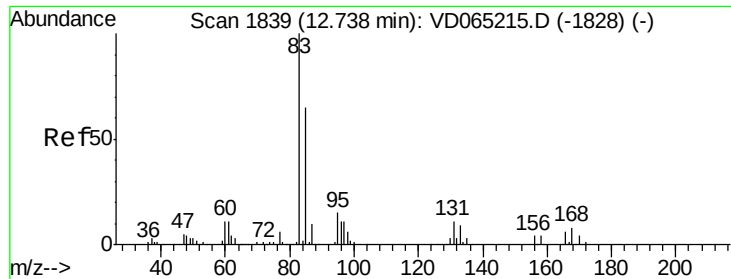
MMDadoda
2/24/2020 11:08:45 AM



#74
N-ethyl acetate
Concen: 47.356 ug/l
RT: 12.30 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion: 43 Resp: 227147
Ion Ratio Lower Upper
43 100
70 43.4 33.7 50.5
55 27.0 20.7 31.1
61 23.8 19.0 28.4





#75

1,1,2,2-Tetrachloroethane

Concen: 47.074 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

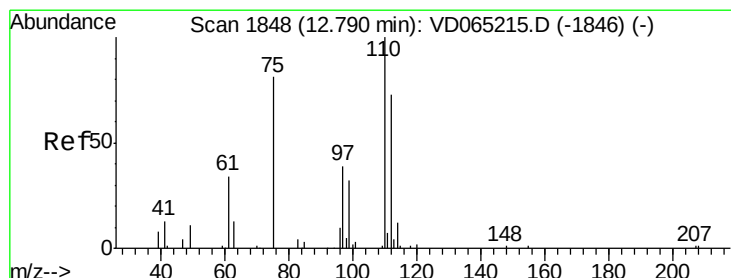
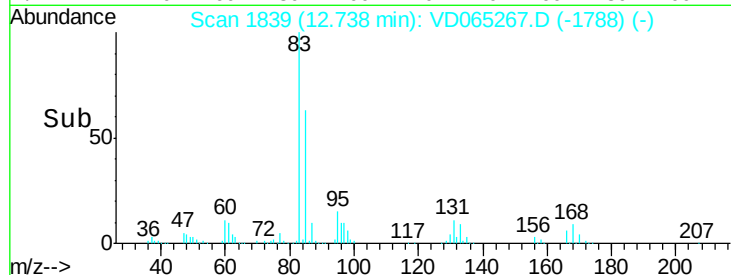
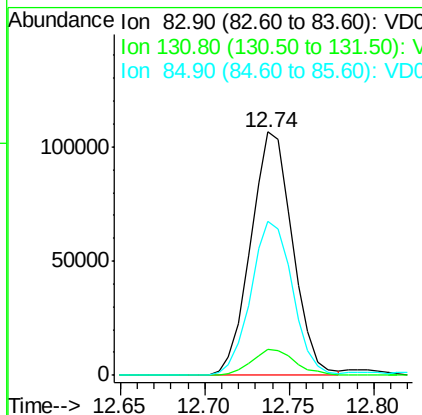
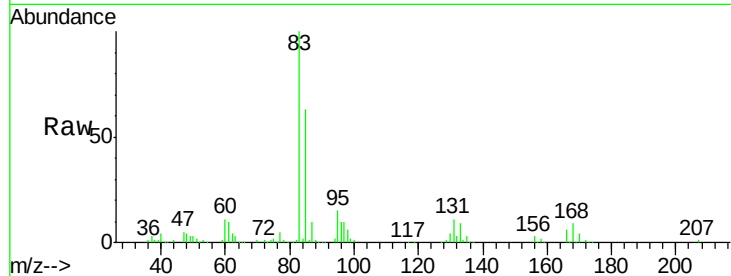
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	183391
Ion Ratio	Lower	Upper	
83	100		
131	11.1	5.4	16.2
85	63.2	31.6	94.8

Manual Integrations
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MMDadoda
2/24/2020 11:08:45 AM



#76

1,2,3-Trichloropropane

Concen: 44.983 ug/l m

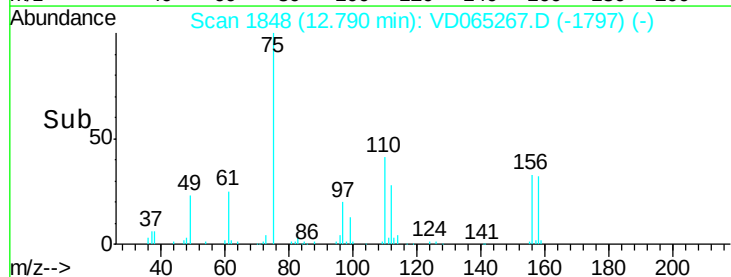
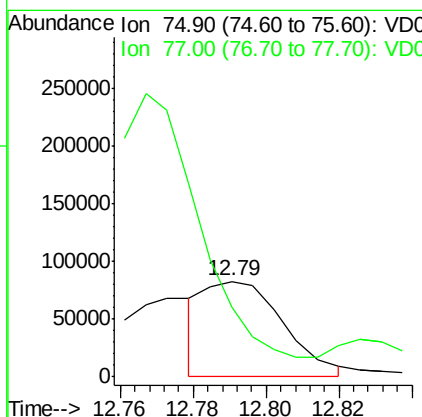
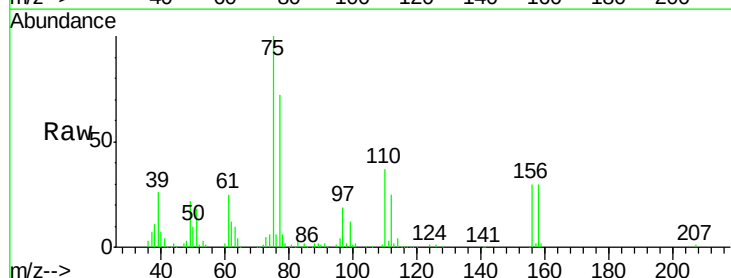
RT: 12.79 min Scan# 1848

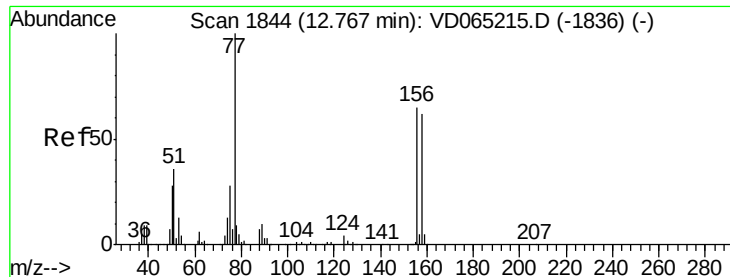
Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Tgt Ion:	75	Resp:	124788
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 49.850 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

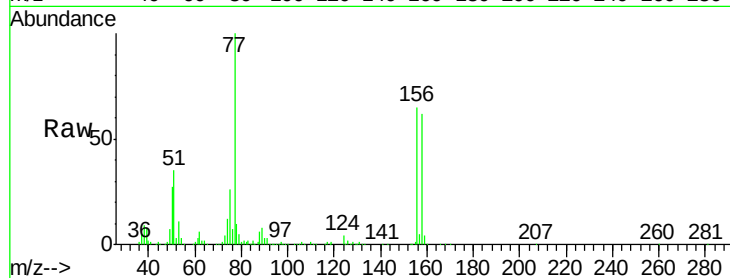
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Lower	Upper
156	100		
77	172.4	86.6	259.7
158	97.1	48.1	144.3

Manual Integrations
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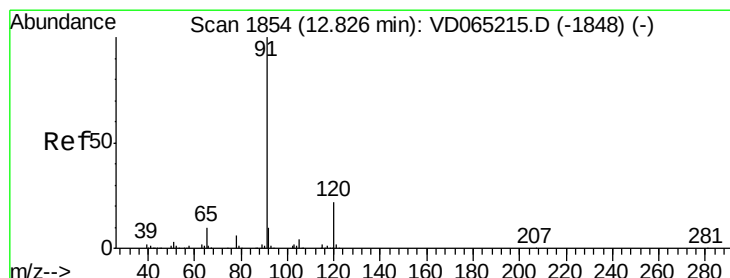
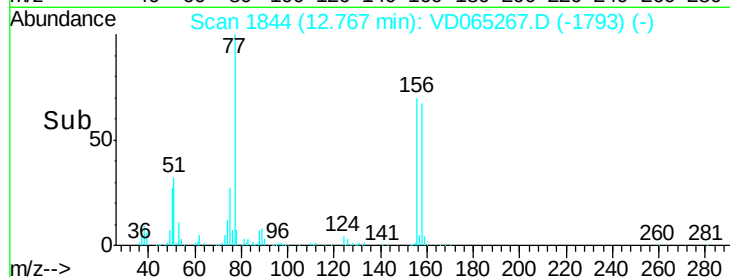
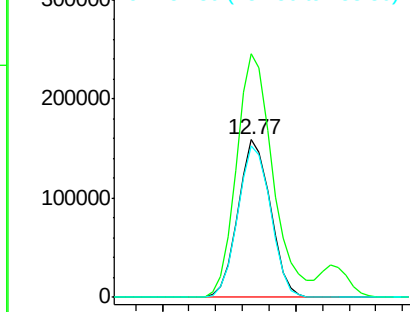
MMDadoda
2/24/2020 11:08:45 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.779 ug/l

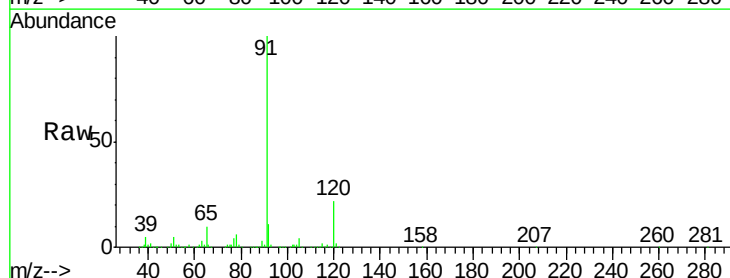
RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD065267.D

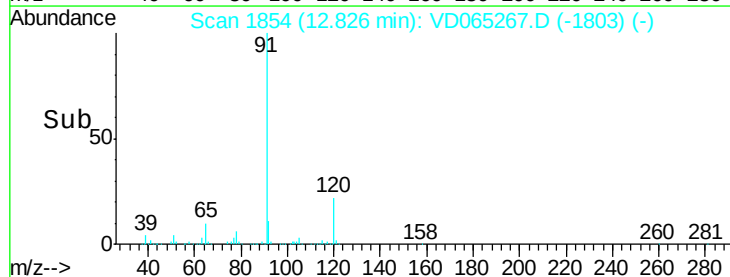
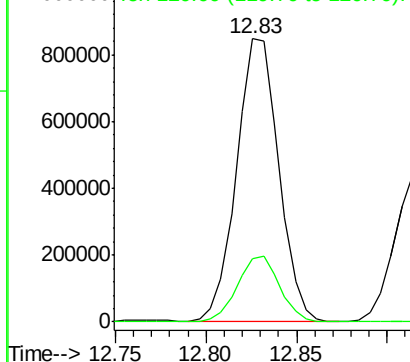
Acq: 21 Feb 2020 11:00

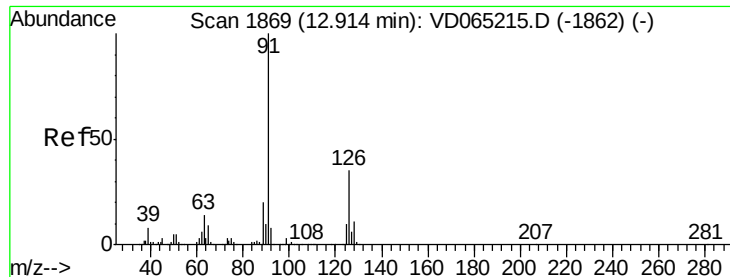
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.2	11.5	34.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





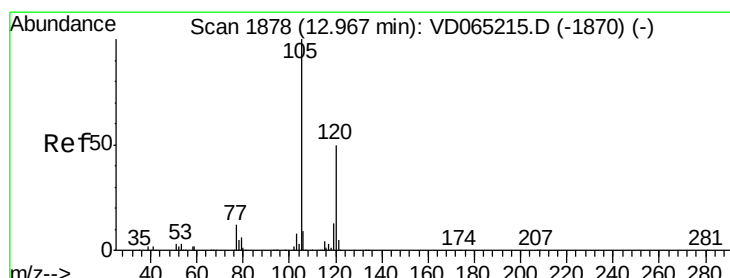
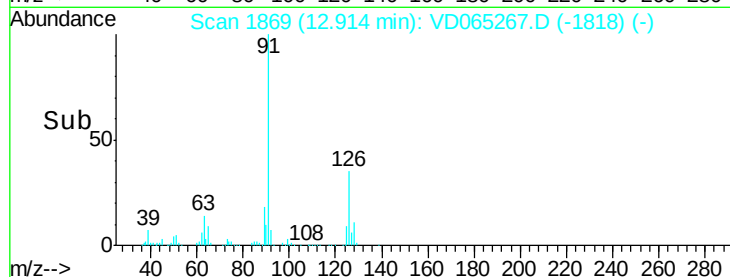
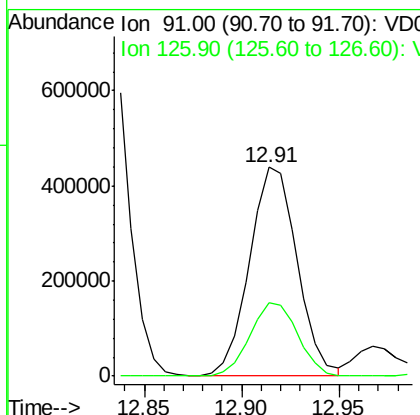
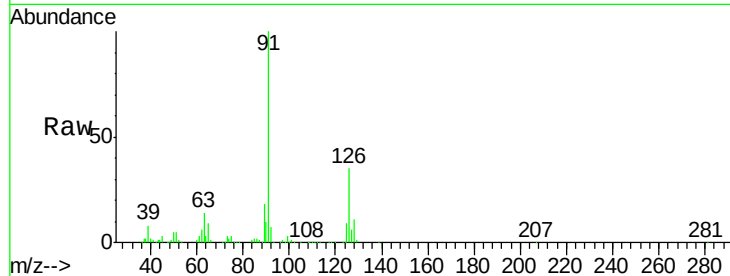
#79
 2-Chlorotoluene
 Concen: 51.083 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 91 Resp: 742348
 Ion Ratio Lower Upper
 91 100
 126 35.3 17.5 52.6

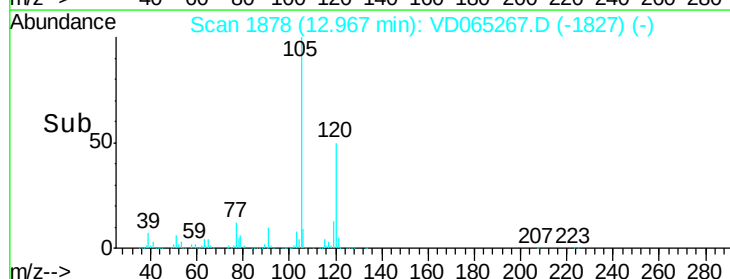
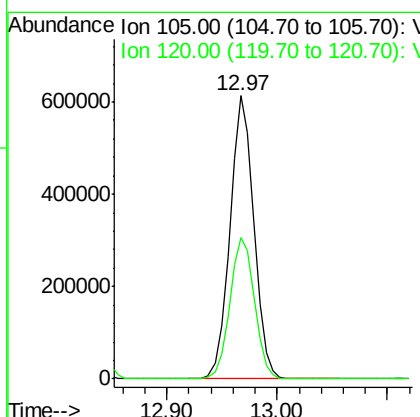
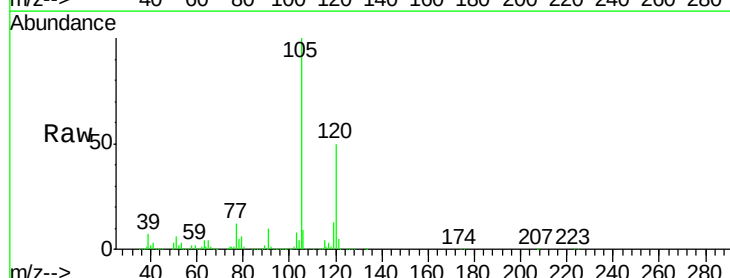
Manual Integrations
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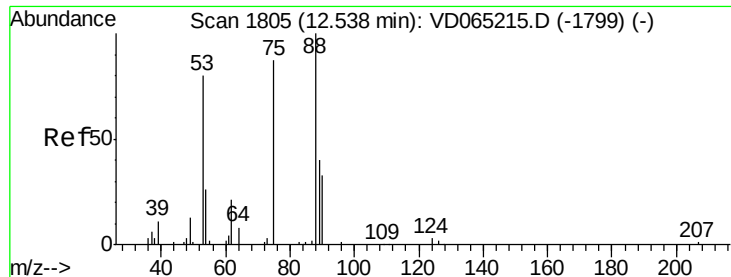
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 2/24/2020 11:08:45 AM



#80
 1,3,5-Trimethylbenzene
 Concen: 52.316 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion: 105 Resp: 930124
 Ion Ratio Lower Upper
 105 100
 120 51.3 25.4 76.4





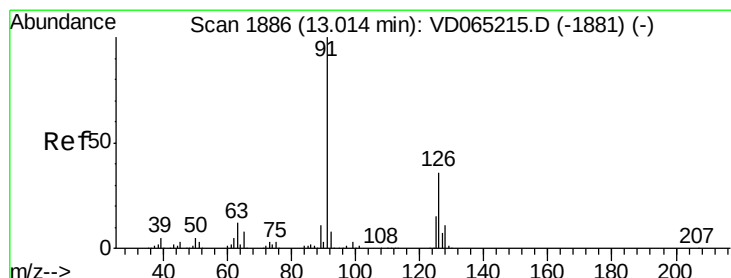
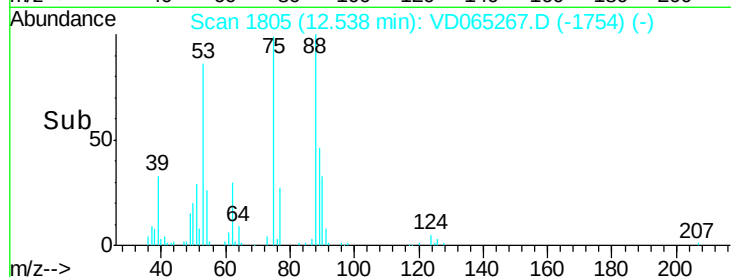
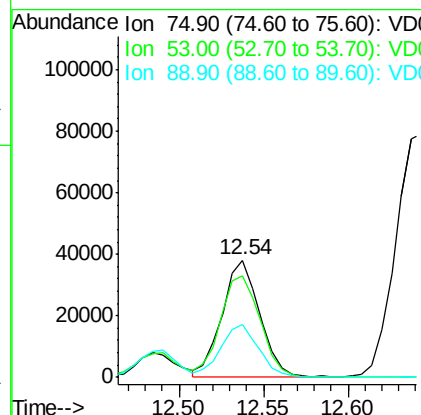
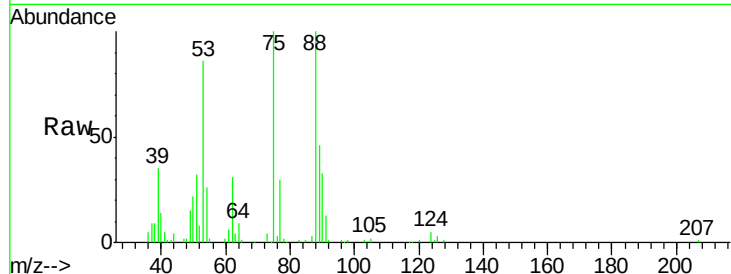
#81
trans-1,4-Dichloro-2-butene
Concen: 46.230 ug/l
RT: 12.54 min Scan# 1805
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	91.8	77.6	116.4
89	45.7	37.2	55.8

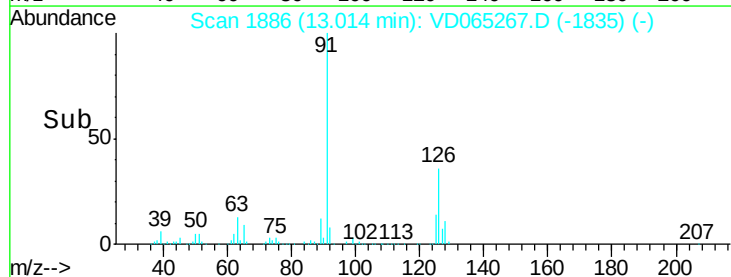
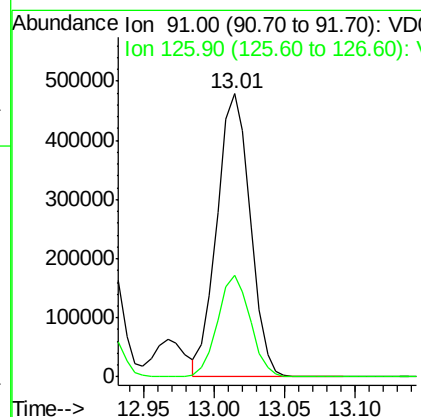
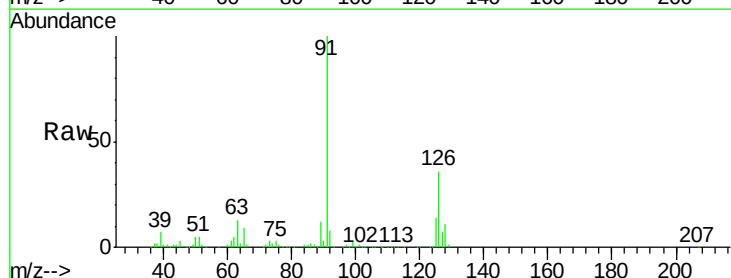
Manual Integrations
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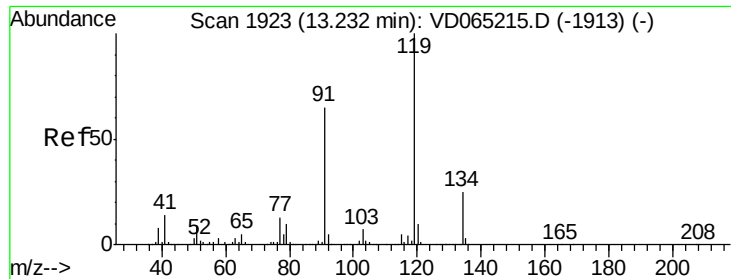
MMDadoda
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#82
4-Chlorotoluene
Concen: 50.838 ug/l
RT: 13.01 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	17.4	52.3





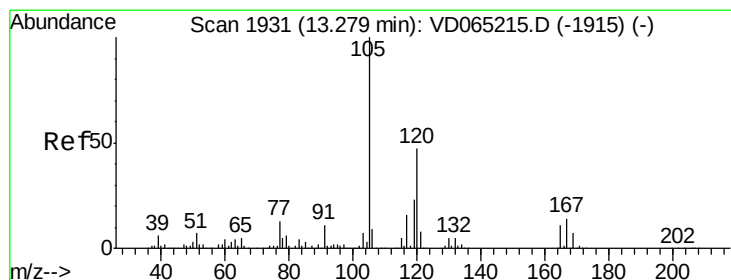
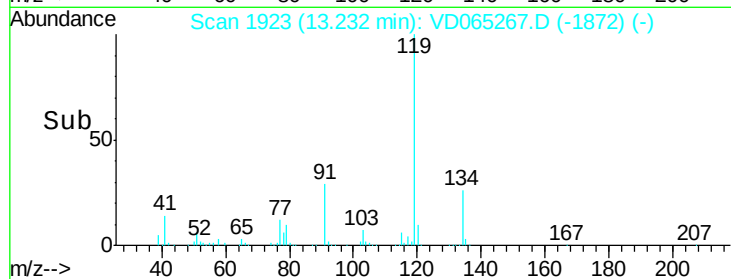
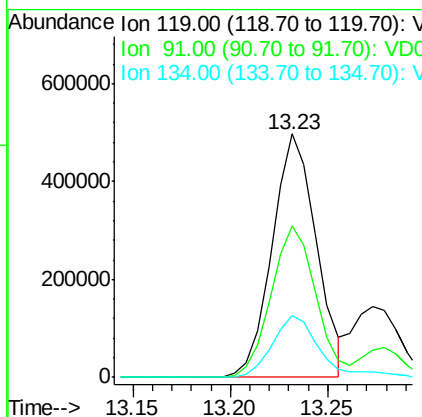
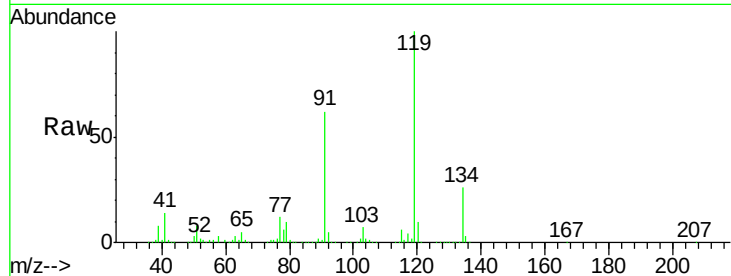
#83
 tert-Butylbenzene
 Concen: 52.298 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
119	100	779292		
91	63.0		31.9	95.5
134	27.4		13.8	41.3

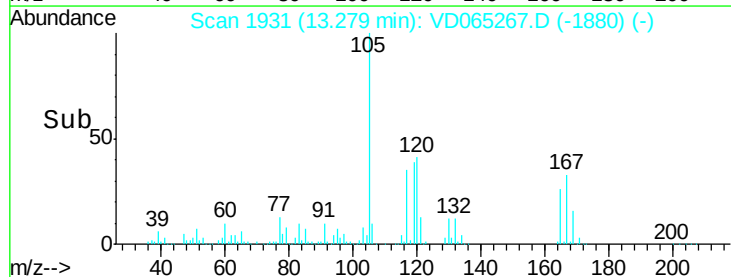
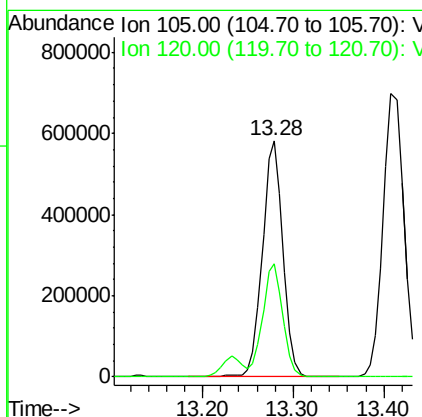
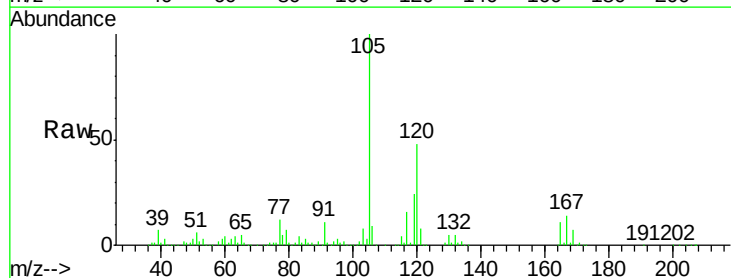
Manual Integrations
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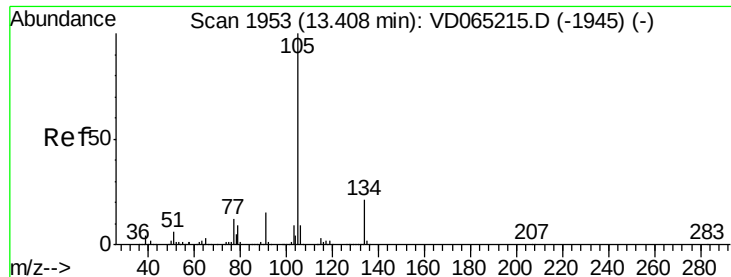
MMDadoda
 2/24/2020 11:08:45 AM



#84
 1,2,4-Trimethylbenzene
 Concen: 51.878 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	923181		
120	46.8		23.3	69.9





#85

sec-Butylbenzene

Concen: 51.824 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1112739

Ion Ratio Lower Upper

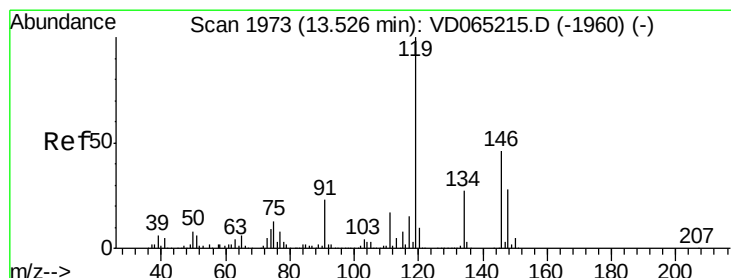
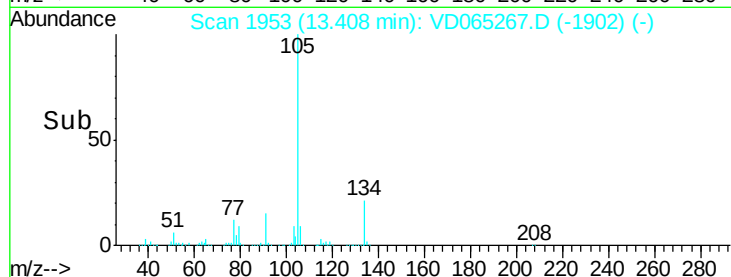
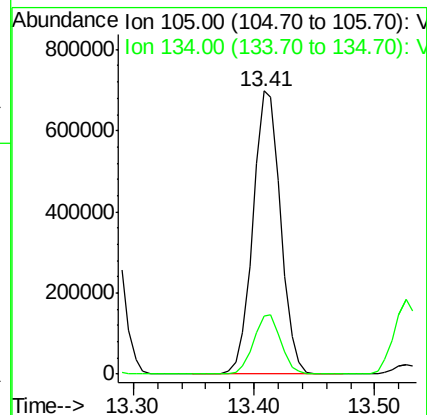
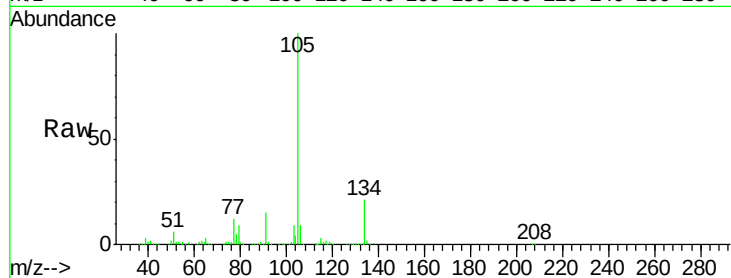
105 100

134 20.9 10.3 30.9

Manual Integrations
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2/24/2020 11:08:45 AM



#86

p-Isopropyltoluene

Concen: 52.487 ug/l

RT: 13.53 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

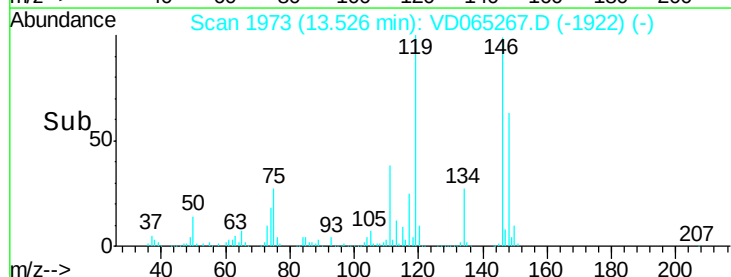
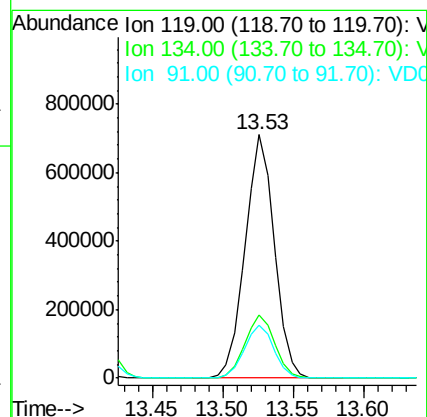
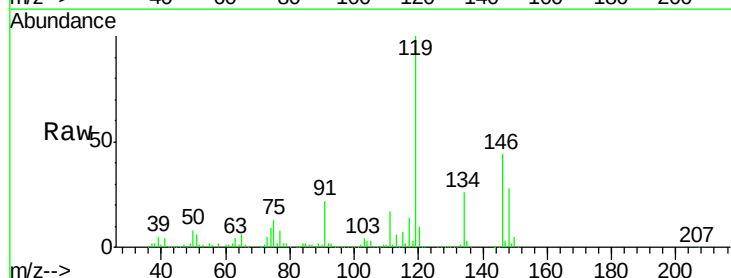
Tgt Ion:119 Resp: 1030608

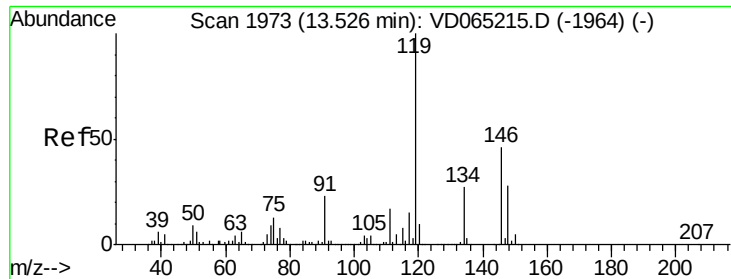
Ion Ratio Lower Upper

119 100

134 26.3 13.3 39.8

91 22.0 11.1 33.1





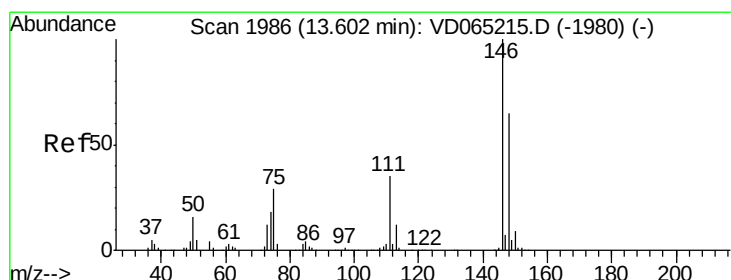
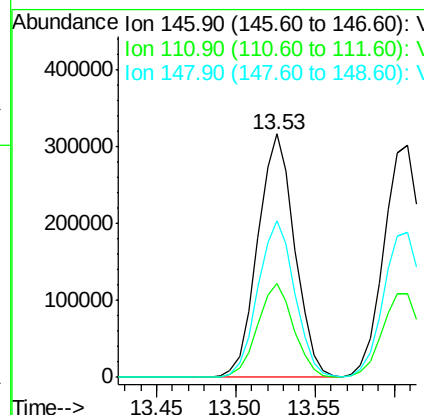
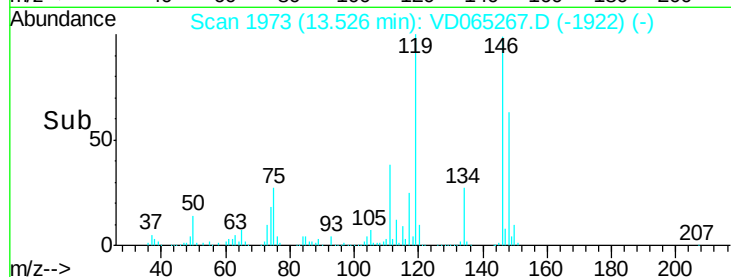
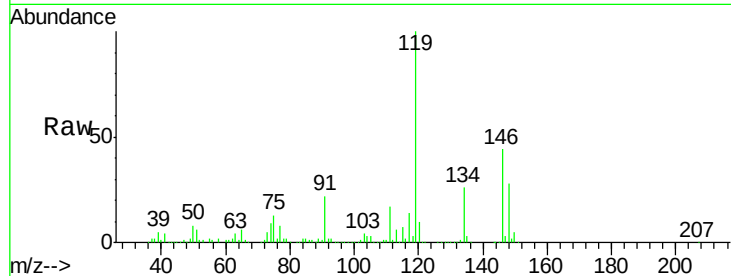
#87
 1,3-Dichlorobenzene
 Concen: 49.390 ug/l
 RT: 13.53 min Scan# 1973
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.6	18.6	55.8
148	64.1	31.4	94.3

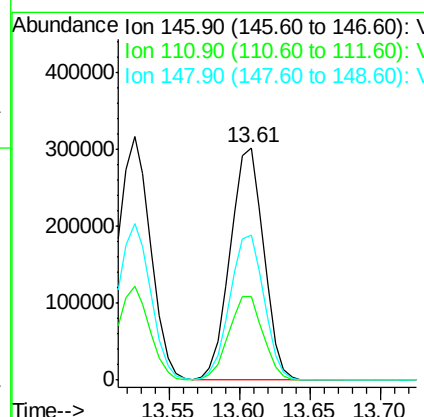
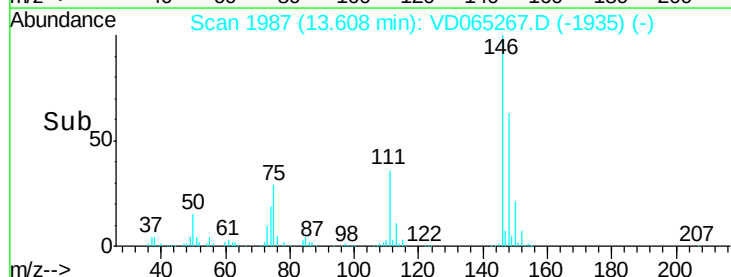
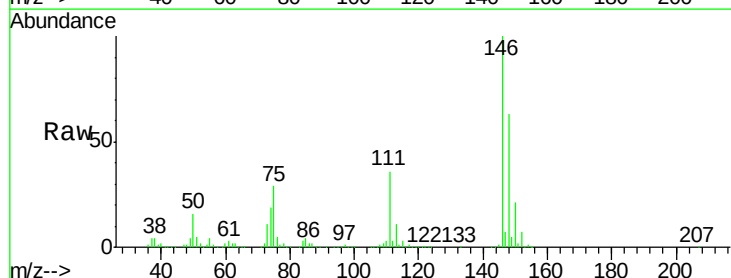
Manual Integrations
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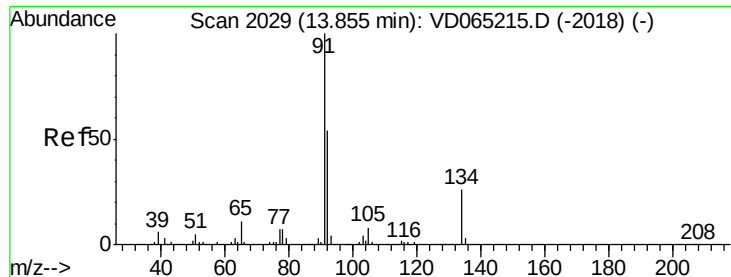
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#88
 1,4-Dichlorobenzene
 Concen: 48.931 ug/l
 RT: 13.61 min Scan# 1987
 Delta R.T. 0.01 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.4	55.2
148	63.6	32.1	96.5





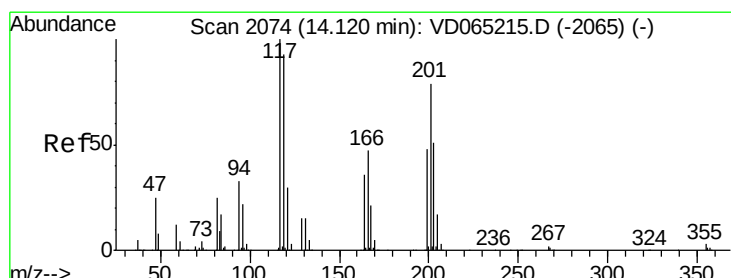
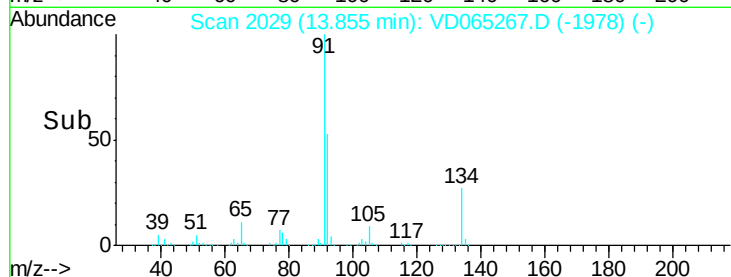
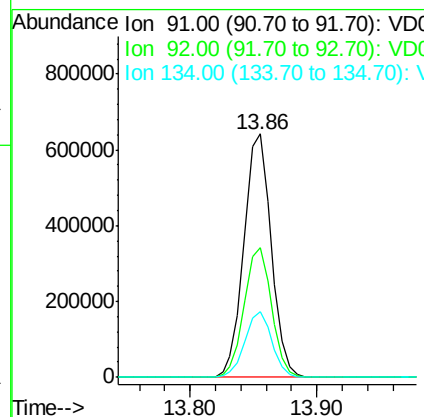
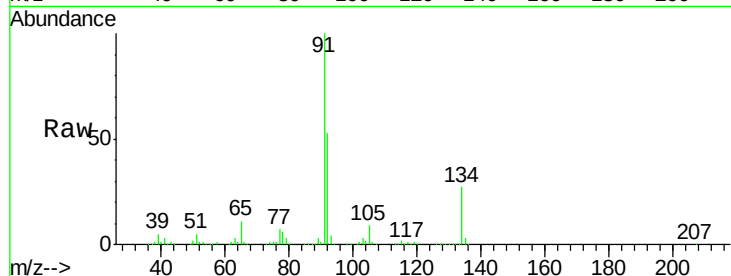
#89
n-Butylbenzene
Concen: 52.929 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.3	27.0	80.8
134	26.7	13.5	40.4

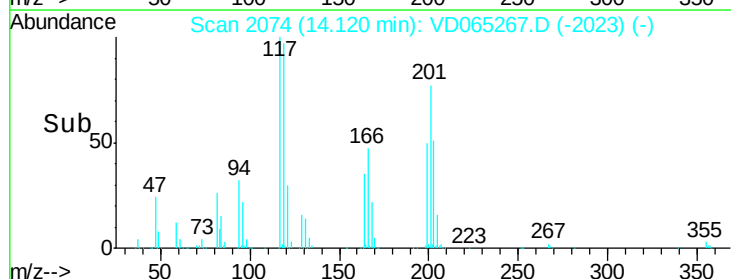
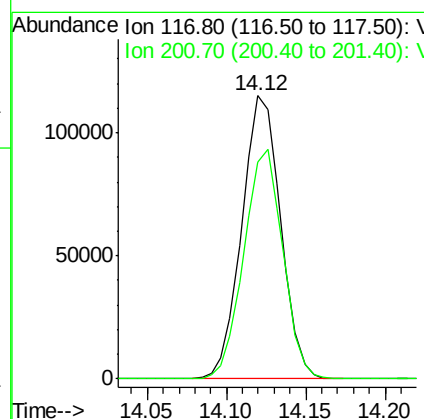
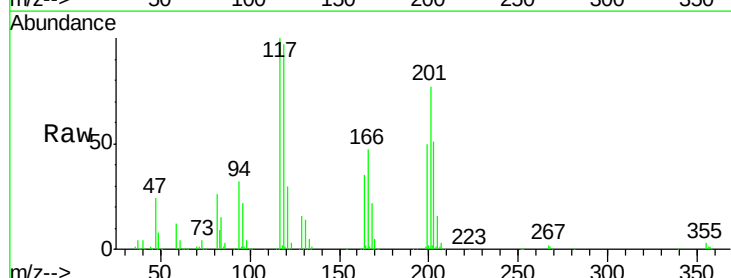
Manual Integrations
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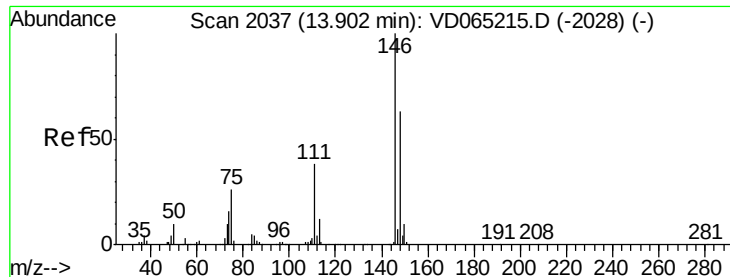
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2/24/2020 11:08:45 AM



#90
Hexachloroethane
Concen: 49.211 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD065267.D
Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
117	100		
201	81.3	41.3	124.1





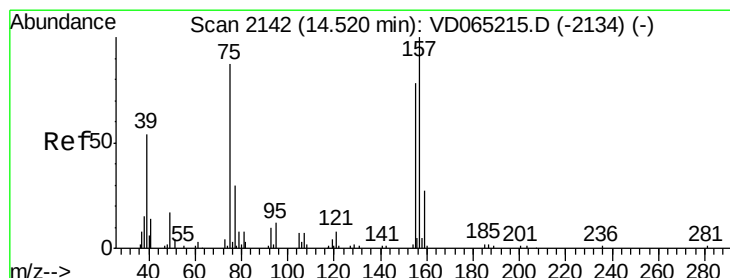
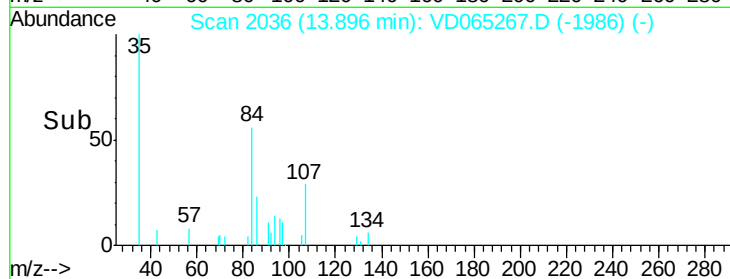
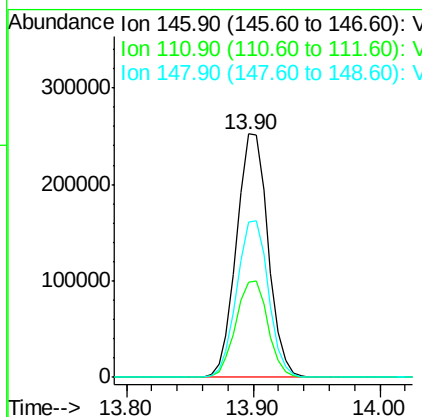
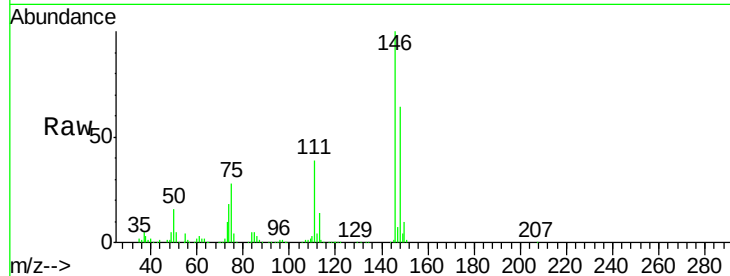
#91
 1,2-Dichlorobenzene
 Concen: 48.920 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.01 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.1	19.7	59.0
148	64.5	32.0	96.2

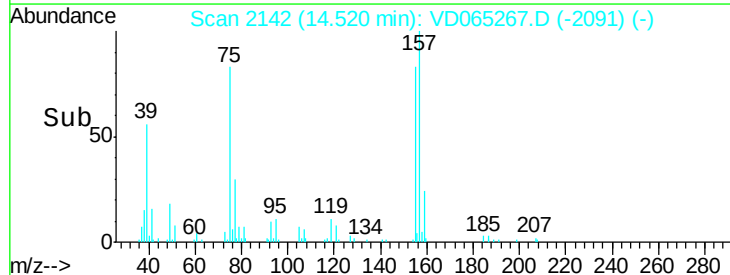
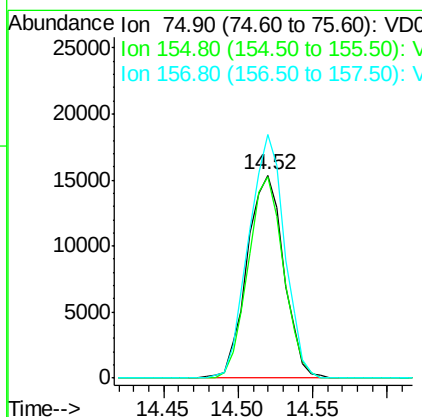
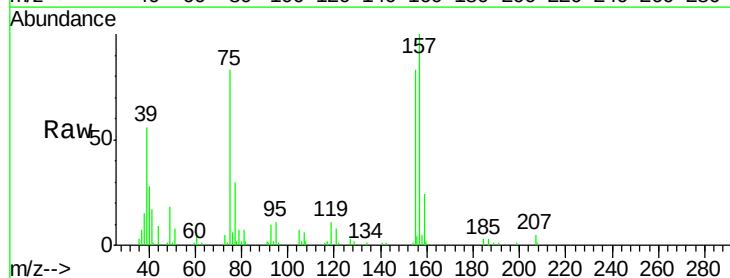
Manual Integrations
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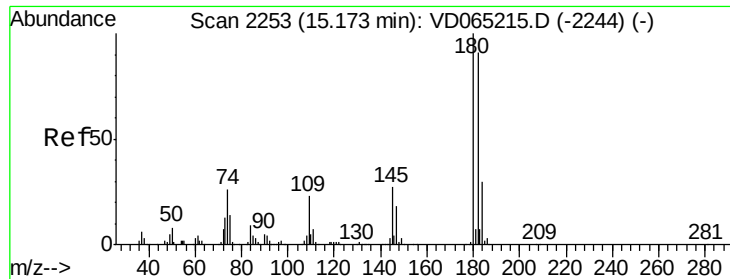
MMDadoda
 2/24/2020 11:08:45 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.577 ug/l
 RT: 14.52 min Scan# 2142
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	42.3	126.9
157	117.1	56.7	170.1





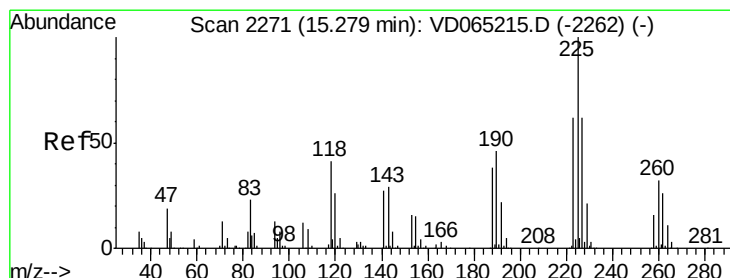
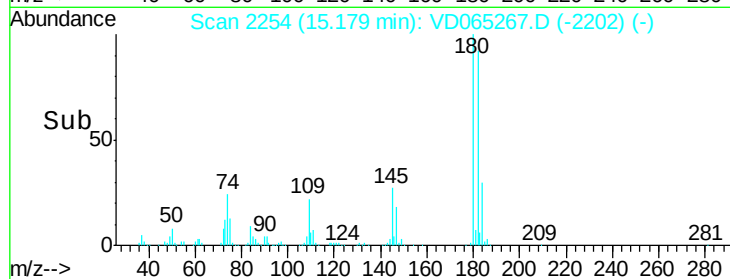
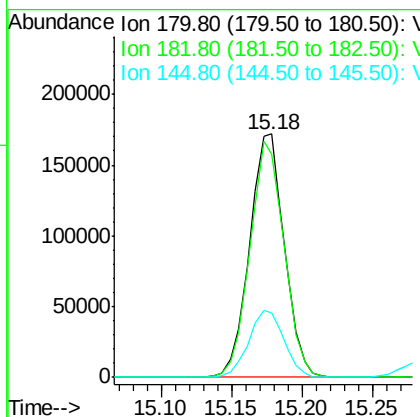
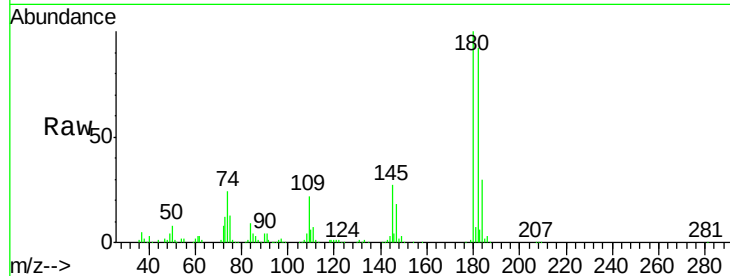
#93
 1,2,4-Trichlorobenzene
 Concen: 51.114 ug/l
 RT: 15.18 min Scan# 2254
 Delta R.T. 0.01 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp Lower	Resp Upper
180	100		
182	95.3	46.9	140.6
145	28.2	13.9	41.7

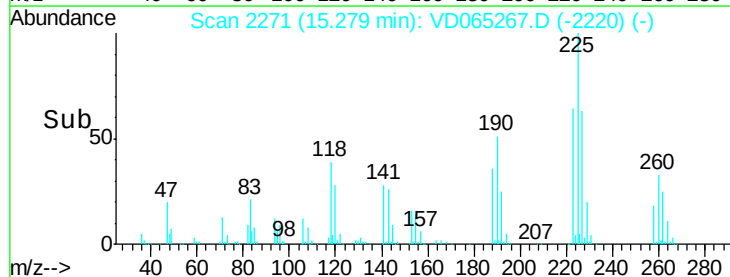
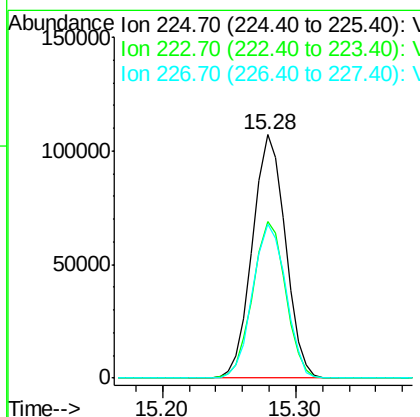
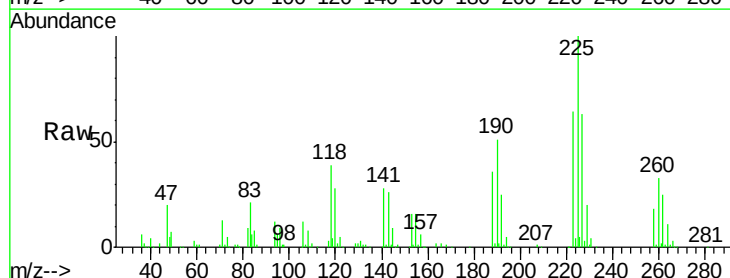
Manual Integrations
 APPROVED

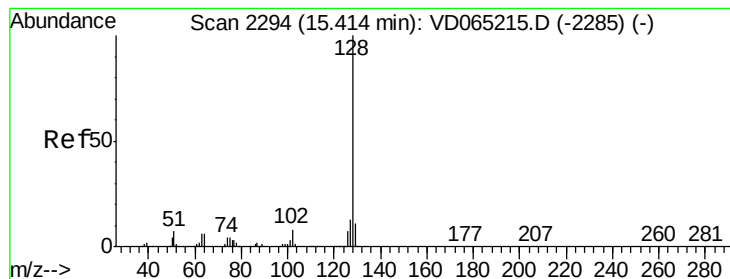
MMDadoda
 2/24/2020 11:08:45 AM



#94
 Hexachlorobutadiene
 Concen: 49.050 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD065267.D
 Acq: 21 Feb 2020 11:00

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	64.1	31.4	94.2
227	63.5	31.7	95.1





#95

Naphthalene

Concen: 50.790 ug/l

RT: 15.41 min Scan# 2294

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Instrument :

MSVOA_D

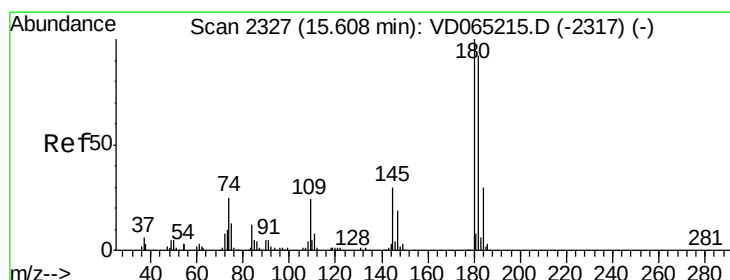
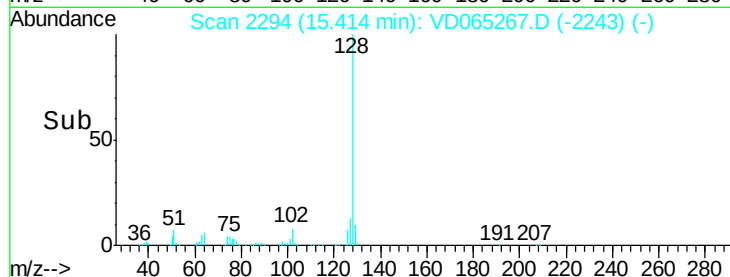
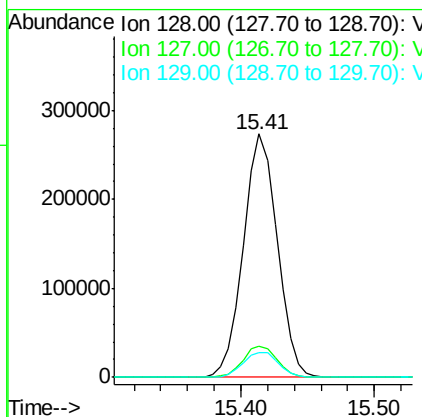
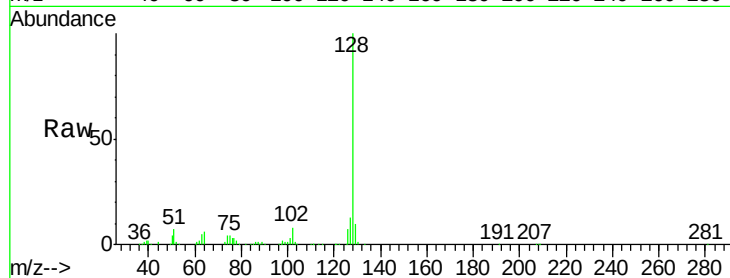
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	480553
Ion Ratio		Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.8	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
2/24/2020 11:08:45 AM



#96

1,2,3-Trichlorobenzene

Concen: 50.185 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. 0.00 min

Lab File: VD065267.D

Acq: 21 Feb 2020 11:00

Tgt Ion:	180	Resp:	255090
Ion Ratio		Lower	Upper
180	100		
182	94.9	46.9	140.6
145	30.0	15.4	46.1

