

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD041119\
 Data File : VD061735.D
 Acq On : 11 Apr 2019 12:10
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 4/12/2019 11:42:37 AM

Quant Time: Apr 12 02:54:55 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D040619S.M
 Quant Title : SW846 8260
 QLast Update : Mon Apr 08 10:04:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	645660	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.21	114	993227	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.36	117	892348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.51	152	399022	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.44	65	221112	45.18	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	90.36%	
35) Dibromofluoromethane	6.92	113	349993	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	
50) Toluene-d8	10.40	98	788926	45.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.28%	
62) 4-Bromofluorobenzene	13.55	95	304745	50.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.38%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.58	85	326908	46.932	ug/l	100
3) Chloromethane	1.75	50	248945	44.226	ug/l	95
4) Vinyl Chloride	1.85	62	253976	48.286	ug/l	98
5) Bromomethane	2.15	94	54099	44.437	ug/l	99
6) Chloroethane	2.27	64	90489	54.927	ug/l	100
7) Trichlorofluoromethane	2.53	101	411794	51.852	ug/l	97
8) Diethyl Ether	2.87	74	111398	49.981	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.15	101	377919	48.403	ug/l	98
10) Methyl Iodide	3.31	142	580311	49.852	ug/l	99
11) Tert butyl alcohol	4.05	59	76957	234.629	ug/l #	93
12) 1,1-Dichloroethene	3.13	96	315068	46.809	ug/l	93
13) Acrolein	3.03	56	90386	226.024	ug/l	94
14) Allyl chloride	3.62	41	462101	50.336	ug/l	97
15) Acrylonitrile	4.18	53	249783	221.230	ug/l	97
16) Acetone	3.22	43	397536	271.727	ug/l	98
17) Carbon Disulfide	3.38	76	1028262	47.015	ug/l	99
18) Methyl Acetate	3.63	43	133150	48.373	ug/l	96
19) Methyl tert-butyl Ether	4.23	73	559676	48.022	ug/l	97
20) Methylene Chloride	3.81	84	353213	42.546	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	342885	46.903	ug/l	98
22) Diisopropyl ether	5.11	45	919059	47.749	ug/l	98
23) Vinyl Acetate	5.04	43	2395932	225.595	ug/l	99
24) 1,1-Dichloroethane	4.98	63	543527	46.082	ug/l	99
25) 2-Butanone	6.06	43	410334	243.292	ug/l	100
26) 2,2-Dichloropropane	6.01	77	489709	50.990	ug/l	96
27) cis-1,2-Dichloroethene	6.03	96	373242	47.858	ug/l	96
28) Bromochloromethane	6.43	49	230150	52.897	ug/l	97
29) Tetrahydrofuran	6.45	42	186447	229.001	ug/l	99
30) Chloroform	6.65	83	660314	53.440	ug/l	98
31) Cyclohexane	6.95	56	439844	47.735	ug/l	99
32) 1,1,1-Trichloroethane	6.86	97	549945	50.790	ug/l	99
36) 1,1-Dichloropropene	7.14	75	443816	51.057	ug/l	100
37) Ethyl Acetate	6.17	43	182718	51.607	ug/l	97
38) Carbon Tetrachloride	7.11	117	584322m	57.356	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	497148	55.707	ug/l	99
40) Benzene	7.45	78	1149553	54.817	ug/l	100
41) Methacrylonitrile	6.44	41	213774	51.722	ug/l	96
42) 1,2-Dichloroethane	7.57	62	378854	57.445	ug/l	99
43) Isopropyl Acetate	9.23	43	258559	50.318	ug/l	99
44) Trichloroethene	8.53	130	444116	55.242	ug/l	96
45) 1,2-Dichloropropane	8.93	63	274951	52.869	ug/l	100
46) Dibromomethane	9.06	93	200366	53.907	ug/l	97
47) Bromodichloromethane	9.37	83	476978	58.430	ug/l	99
48) Methyl methacrylate	9.11	41	160589	54.217	ug/l	99
49) 1,4-Dioxane	9.07	88	33893	1036.671	ug/l	93
51) 4-Methyl-2-Pentanone	10.30	43	795823	261.882	ug/l	98
52) Toluene	10.50	92	711635	54.344	ug/l	100
53) t-1,3-Dichloropropene	10.91	75	442111	61.784	ug/l	99
54) cis-1,3-Dichloropropene	10.03	75	496243	56.257	ug/l	94
55) 1,1,2-Trichloroethane	11.18	97	241774	54.743	ug/l	99
56) Ethyl methacrylate	11.03	69	259707	55.741	ug/l	95
57) 1,3-Dichloropropane	11.40	76	362275	56.012	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.84	63	582365	264.904	ug/l	98
59) 2-Hexanone	11.53	43	632369	268.135	ug/l	98
60) Dibromochloromethane	11.67	129	407074	58.339	ug/l	99
61) 1,2-Dibromoethane	11.80	107	280953	54.395	ug/l	99
64) Tetrachloroethene	11.25	164	315291	45.518	ug/l	94
65) Chlorobenzene	12.39	112	872139	49.284	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.51	131	357327	52.474	ug/l	96
67) Ethyl Benzene	12.52	91	1368478	50.783	ug/l	99
68) m/p-Xylenes	12.66	106	1028655	99.014	ug/l	96
69) o-Xylene	13.04	106	469091	46.776	ug/l	99
70) Styrene	13.07	104	777405	45.392	ug/l	99
71) Bromoform	13.23	173	209618	49.613	ug/l	98
73) Isopropylbenzene	13.40	105	1256774	47.270	ug/l	99
74) N-amyl acetate	13.26	43	336879	46.634	ug/l	100
75) 1,1,2,2-Tetrachloroethane	13.69	83	267224	48.609	ug/l	99
76) 1,2,3-Trichloropropane	13.73	75	272137	50.129	ug/l	98
77) Bromobenzene	13.66	156	393296	50.963	ug/l	93
78) n-propylbenzene	13.77	91	1571815	49.422	ug/l	97
79) 2-Chlorotoluene	13.84	91	894118	49.162	ug/l	99
80) 1,3,5-Trimethylbenzene	13.93	105	1030379	48.827	ug/l	99
81) trans-1,4-Dichloro-2-buten	13.47	75	82593	50.137	ug/l	91
82) 4-Chlorotoluene	13.94	91	944810	47.409	ug/l	88
83) tert-Butylbenzene	14.18	119	1268551	49.858	ug/l	99
84) 1,2,4-Trimethylbenzene	14.23	105	1086387	51.009	ug/l	96
85) sec-Butylbenzene	14.36	105	1445771	52.593	ug/l	96
86) p-Isopropyltoluene	14.49	119	1229171	51.543	ug/l	99
87) 1,3-Dichlorobenzene	14.45	146	653997	49.241	ug/l	97
88) 1,4-Dichlorobenzene	14.53	146	676511	50.482	ug/l	95
89) n-Butylbenzene	14.79	91	1007513	48.607	ug/l	98
90) Hexachloroethane	15.00	117	344896	53.301	ug/l	88
91) 1,2-Dichlorobenzene	14.80	146	546868	49.959	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.38	75	35067	52.860	ug/l	89

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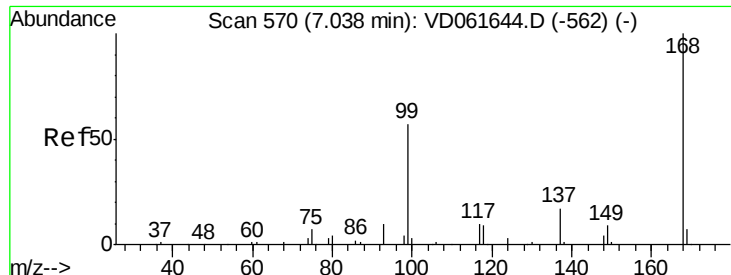
Manual Integrations
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	307284	55.100	ug/l	96
94) Hexachlorobutadiene	16.03	225	243509	56.548	ug/l	99
95) Naphthalene	16.12	128	478916	54.273	ug/l	99
96) 1,2,3-Trichlorobenzene	16.26	180	159963	57.473	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 570

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 645660

Ion Ratio Lower Upper

168 100

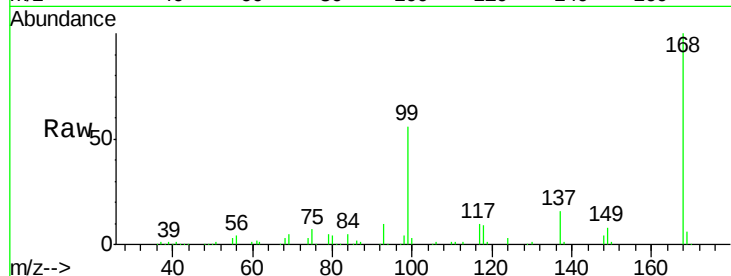
99 56.4 46.8 70.2

Manual Integrations

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4/12/2019 11:42:37 AM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

7.04

250000

200000

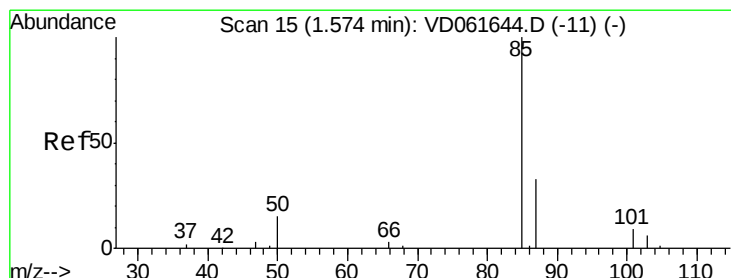
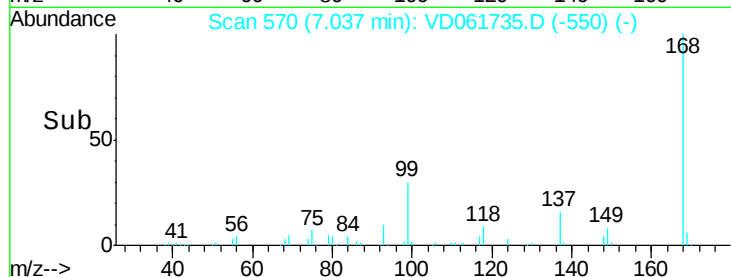
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 46.932 ug/l

RT: 1.58 min Scan# 16

Delta R.T. 0.01 min

Lab File: VD061735.D

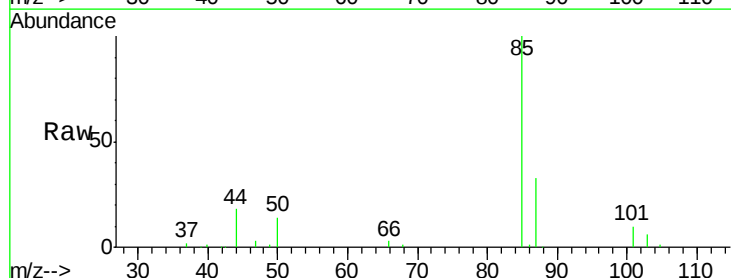
Acq: 11 Apr 2019 12:10

Tgt Ion: 85 Resp: 326908

Ion Ratio Lower Upper

85 100

87 33.3 16.6 49.8



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

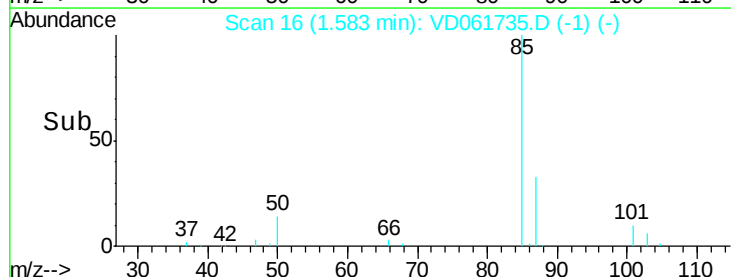
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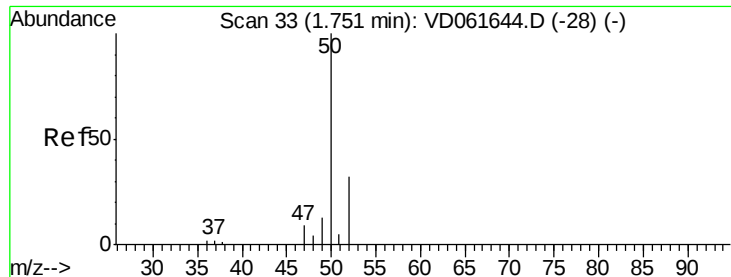
100000

50000

0

Time-->





#3

Chloromethane

Concen: 44.226 ug/l

RT: 1.75 min Scan# 33

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 248945

Ion Ratio Lower Upper

50 100

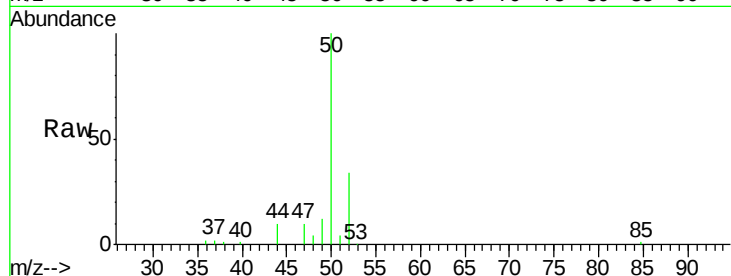
52 34.3 25.1 37.7

Manual Integrations

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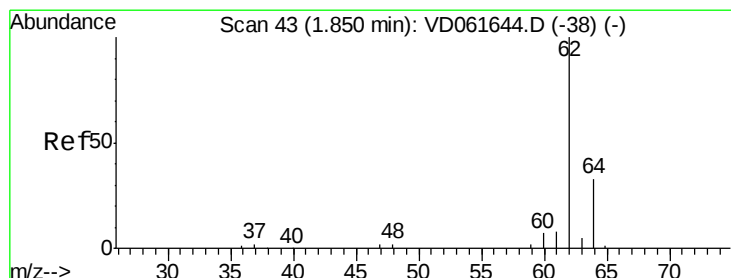
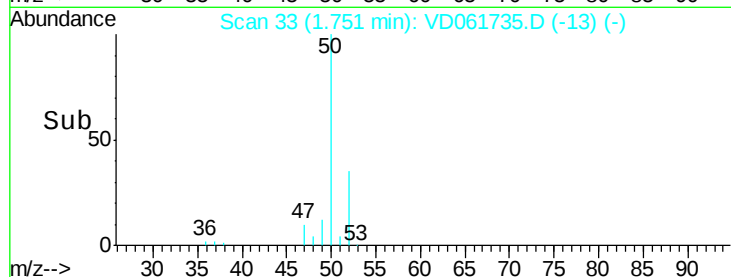
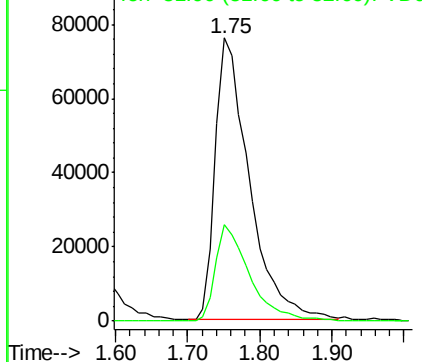
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 48.286 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD061735.D

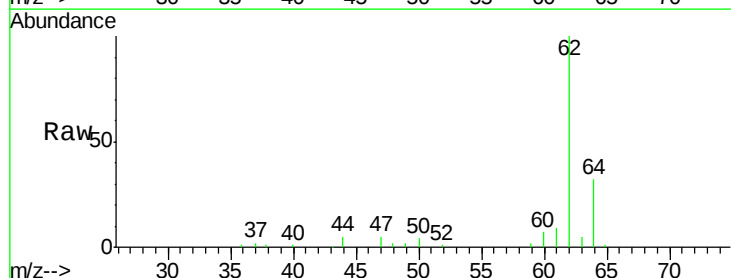
Acq: 11 Apr 2019 12:10

Tgt Ion: 62 Resp: 253976

Ion Ratio Lower Upper

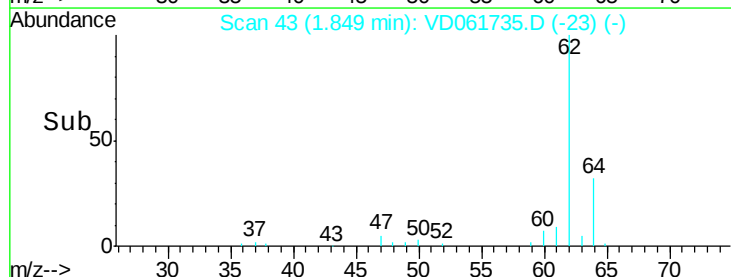
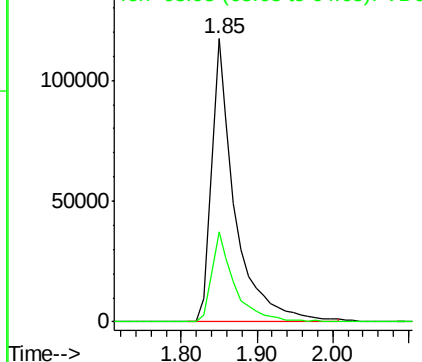
62 100

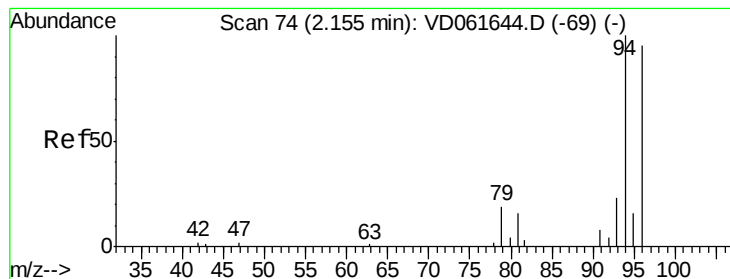
64 31.6 26.2 39.2



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 44.437 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 94 Resp: 54099

Ion Ratio Lower Upper

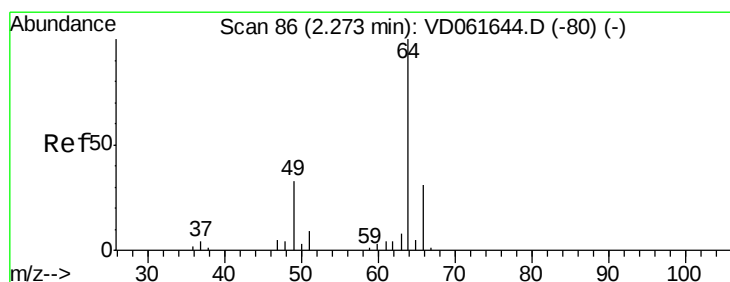
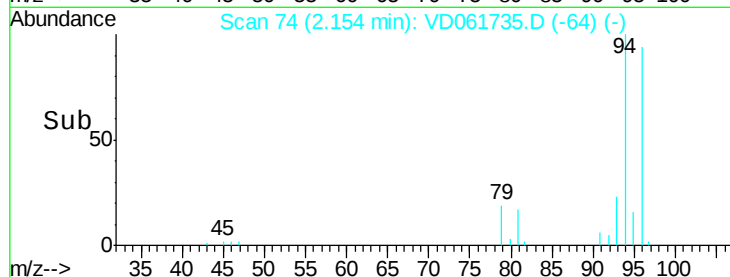
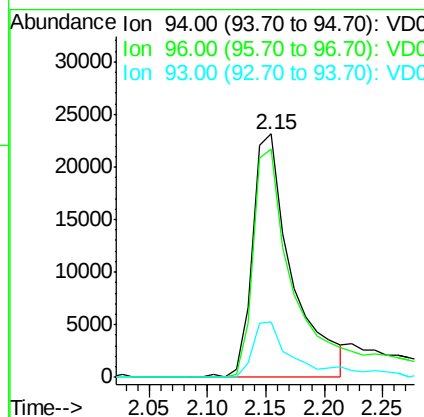
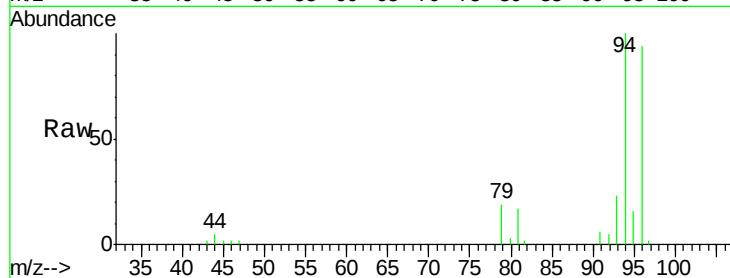
94 100

96 95.5 75.8 113.8

93 22.7 18.6 28.0

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#6

Chloroethane

Concen: 54.927 ug/l

RT: 2.27 min Scan# 86

Delta R.T. -0.00 min

Lab File: VD061735.D

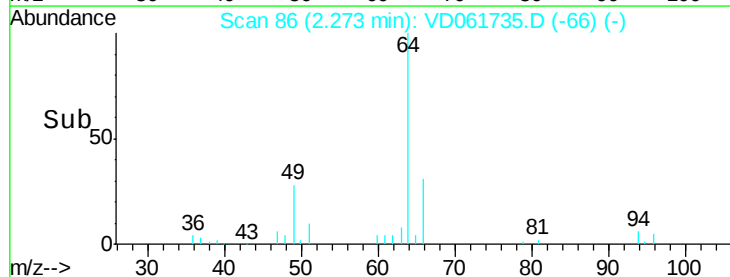
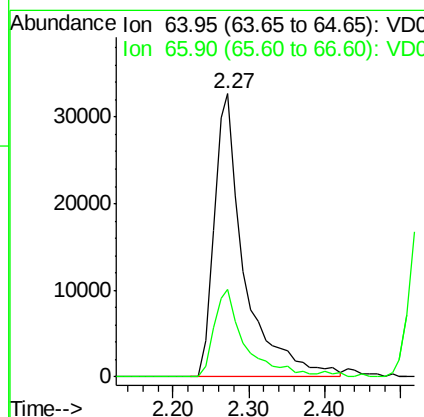
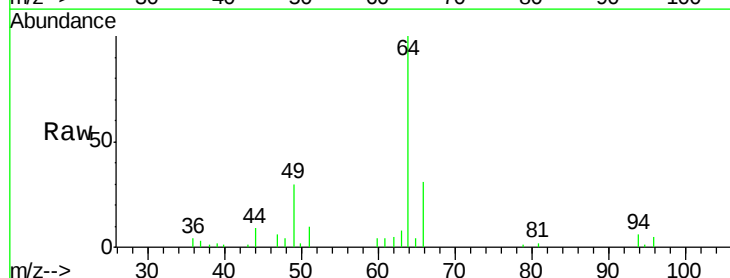
Acq: 11 Apr 2019 12:10

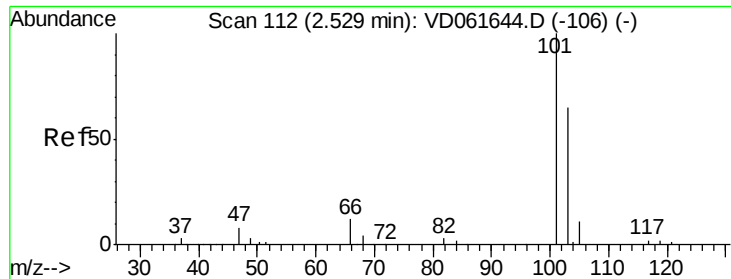
Tgt Ion: 64 Resp: 90489

Ion Ratio Lower Upper

64 100

66 31.0 24.9 37.3





#7

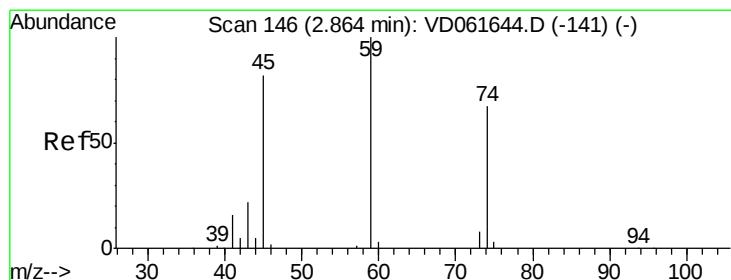
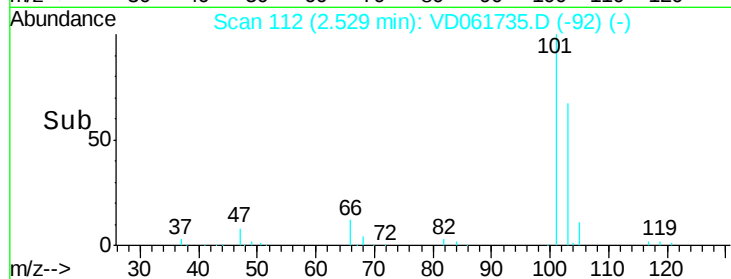
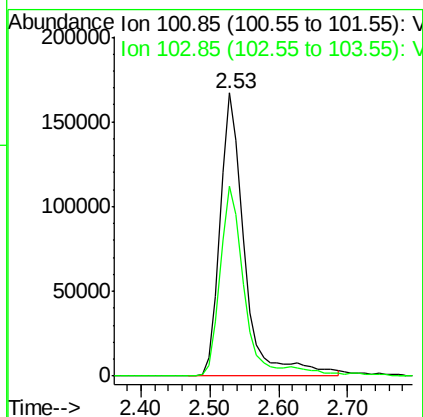
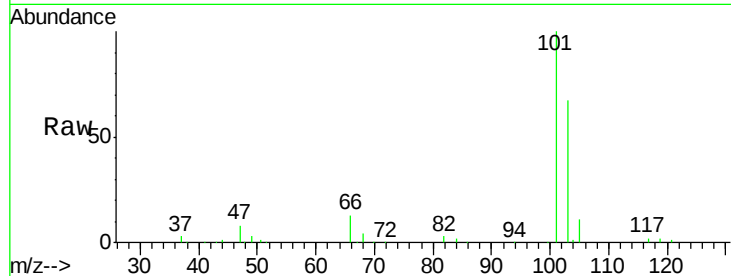
Trichlorofluoromethane
 Concen: 51.852 ug/l
 RT: 2.53 min Scan# 112
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

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 VSTDCCC050

Tot Ion: 101 Resp: 411794
 Ion Ratio Lower Upper
 101 100
 103 67.0 52.0 78.0

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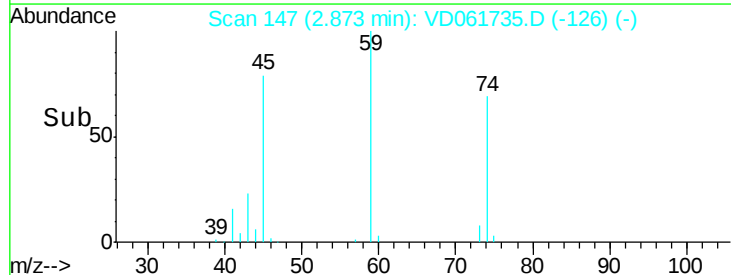
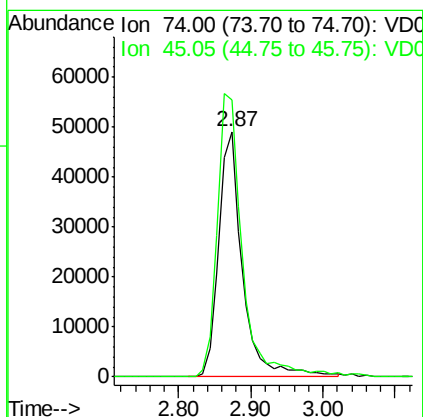
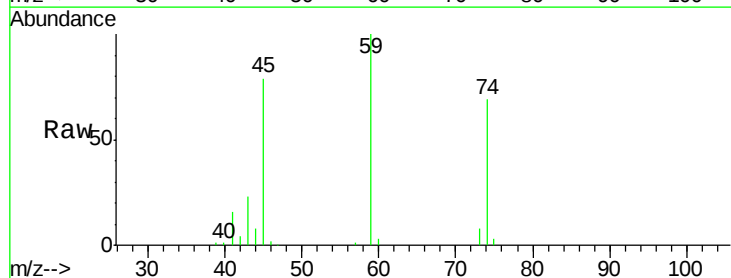
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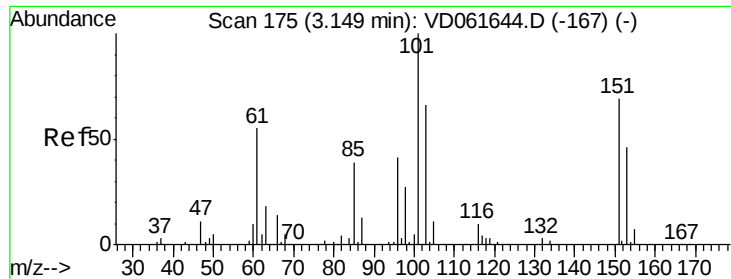


#8

Diethyl Ether
 Concen: 49.981 ug/l
 RT: 2.87 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 74 Resp: 111398
 Ion Ratio Lower Upper
 74 100
 45 113.2 61.0 183.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.403 ug/l

RT: 3.15 min Scan# 175

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

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MSVOA_D

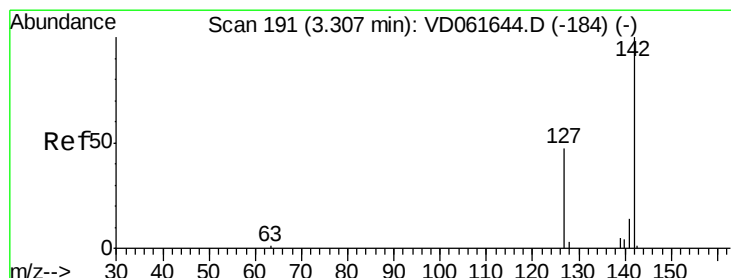
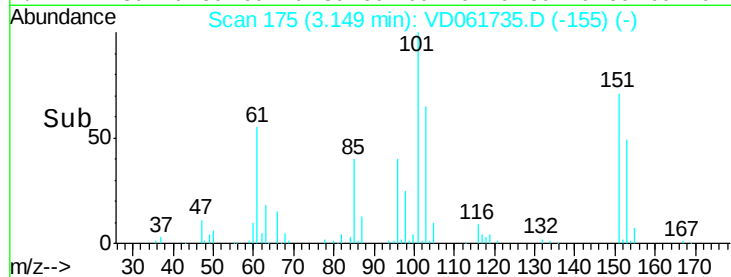
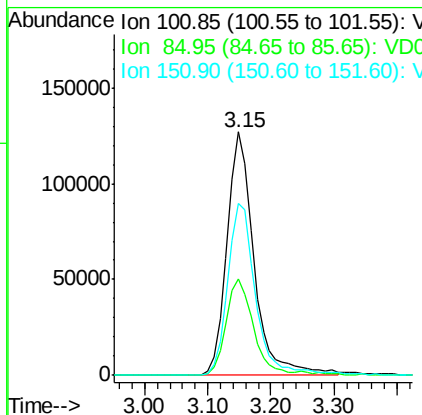
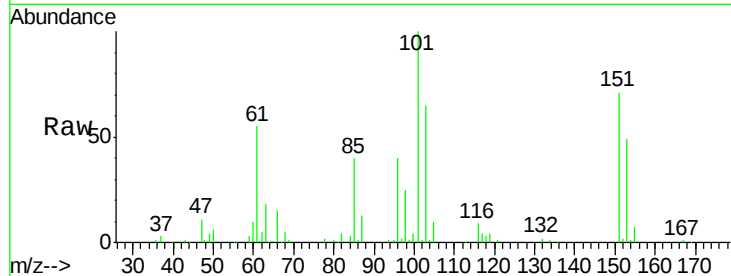
ClientSampleId :

VSTDCCC050

Tot Ion:	101	Resp:	377919
Ion Ratio	Lower	Upper	
101	100		
85	39.8	31.0	46.6
151	70.7	55.3	82.9

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#10

Methyl Iodide

Concen: 49.852 ug/l

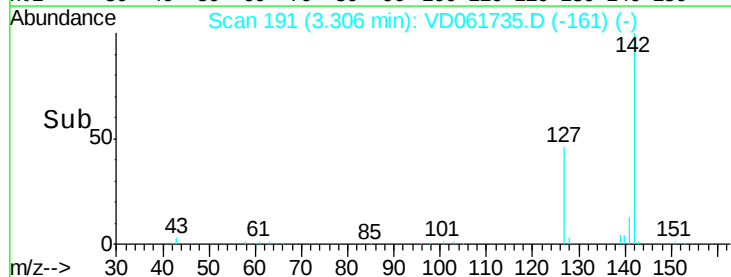
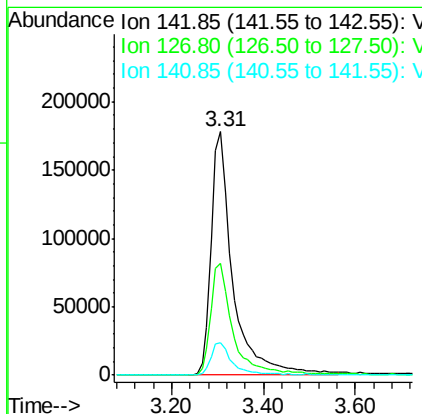
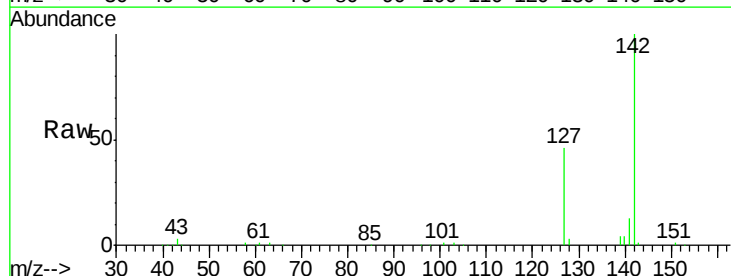
RT: 3.31 min Scan# 191

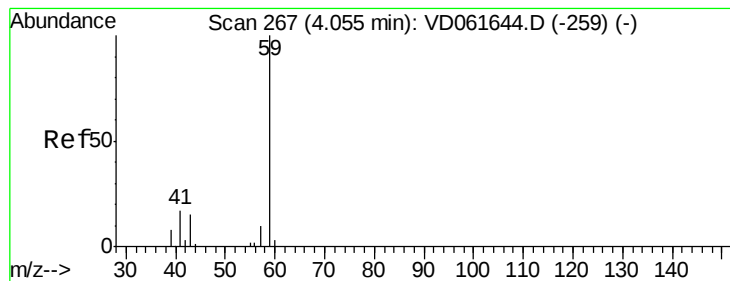
Delta R.T. 0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion:	142	Resp:	580311
Ion Ratio	Lower	Upper	
142	100		
127	45.9	37.2	55.8
141	13.2	10.8	16.2





#11

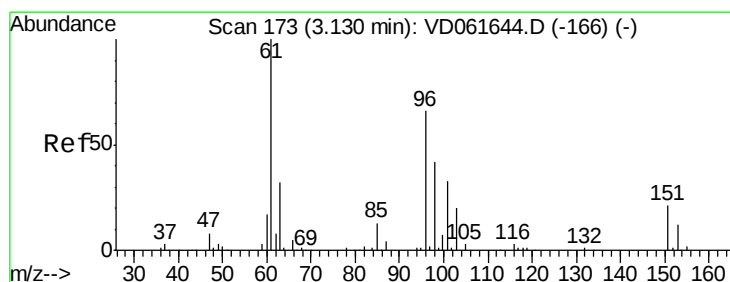
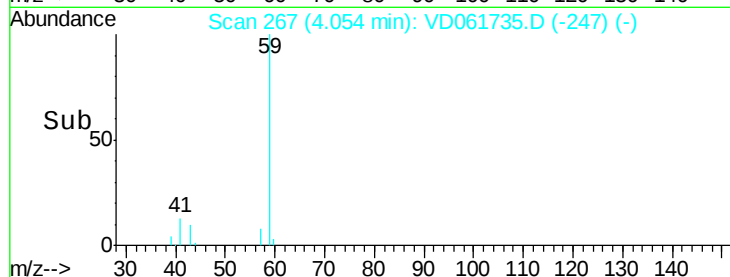
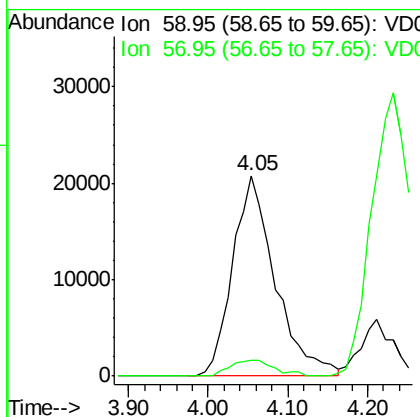
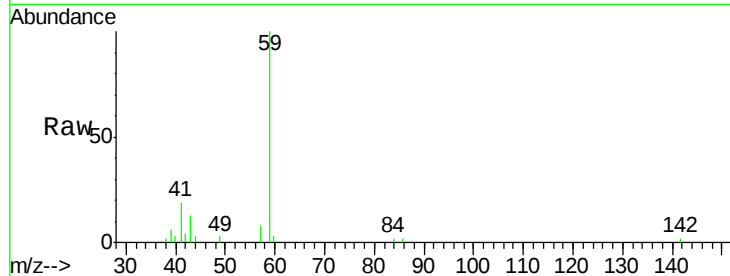
Tert butyl alcohol
 Concen: 234.629 ug/l
 RT: 4.05 min Scan# 267
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 59 Resp: 76957
 Ion Ratio Lower Upper
 59 100
 57 7.8 8.4 12.6#

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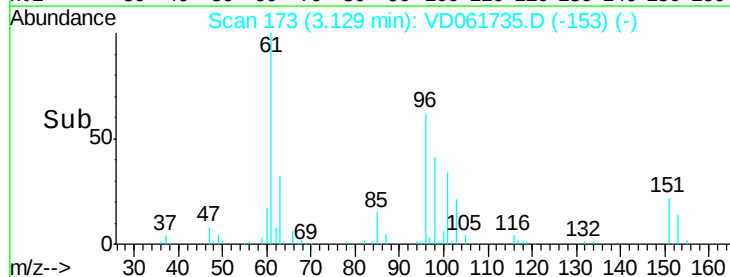
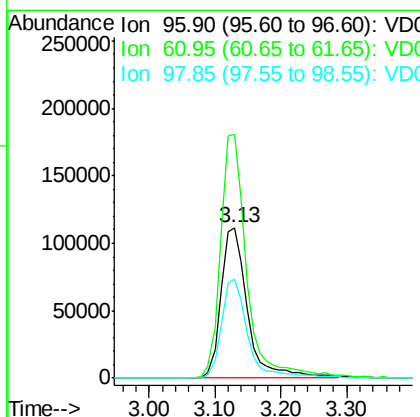
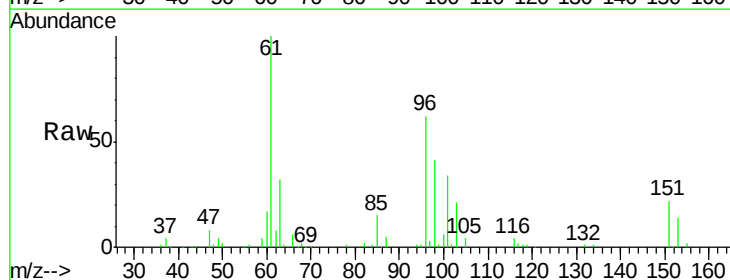
MMDadoda
 4/12/2019 11:42:37 AM

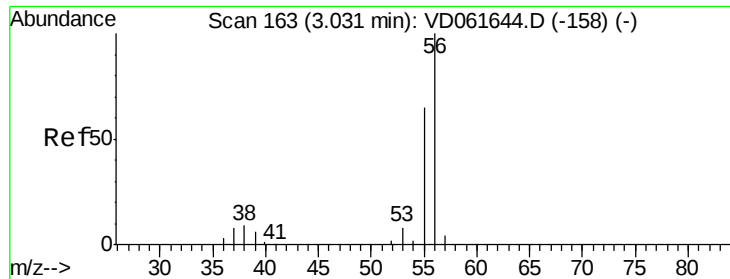


#12

1,1-Dichloroethene
 Concen: 46.809 ug/l
 RT: 3.13 min Scan# 173
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 96 Resp: 315068
 Ion Ratio Lower Upper
 96 100
 61 162.0 121.3 181.9
 98 65.8 50.6 76.0





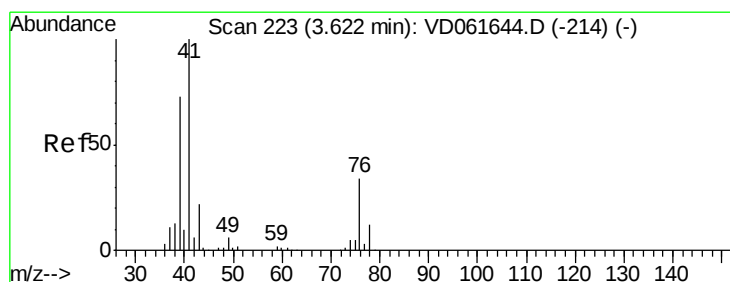
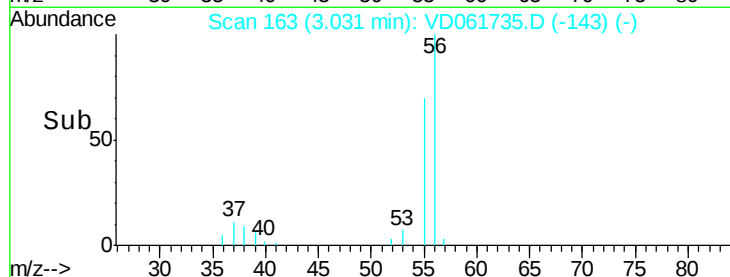
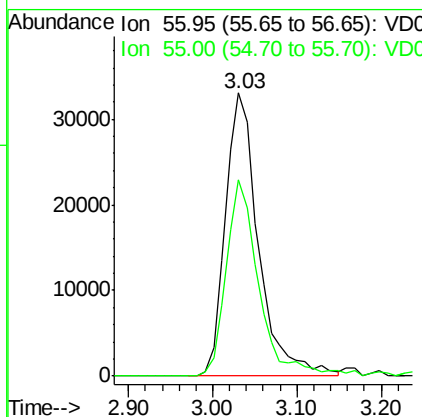
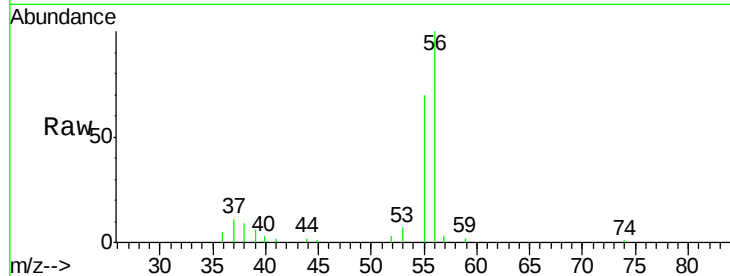
#13
Acrolein
Concen: 226.024 ug/l
RT: 3.03 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
56	56	100		
55	55	69.5	51.8	77.6

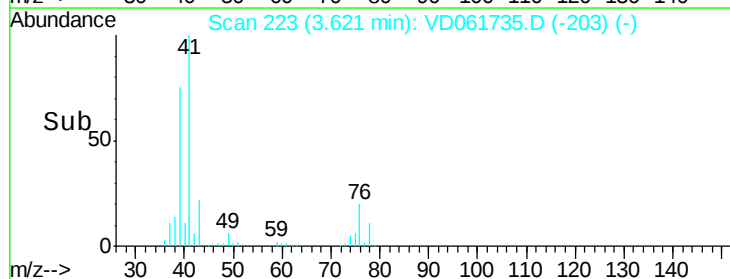
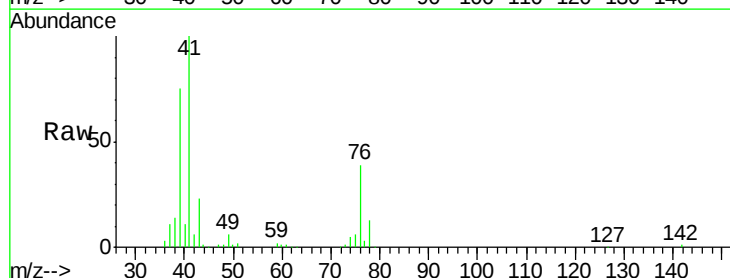
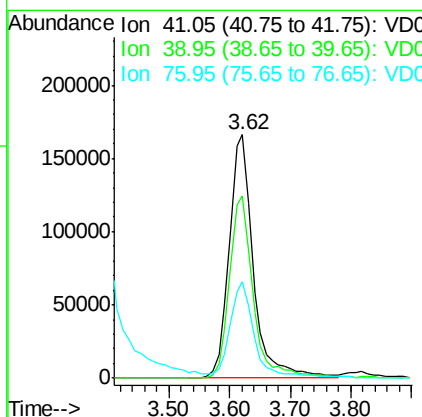
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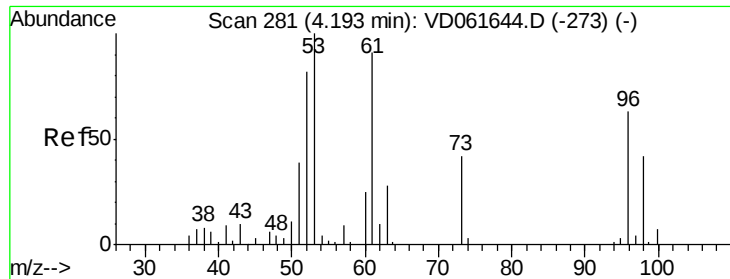
MMDadoda
4/12/2019 11:42:37 AM



#14
Allyl chloride
Concen: 50.336 ug/l
RT: 3.62 min Scan# 223
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ion	Ratio	Lower	Upper
41	41	100		
39	39	75.0	58.2	87.4
76	76	39.4	29.8	44.6





#15

Acrylonitrile

Concen: 221.230 ug/l

RT: 4.18 min Scan# 280

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

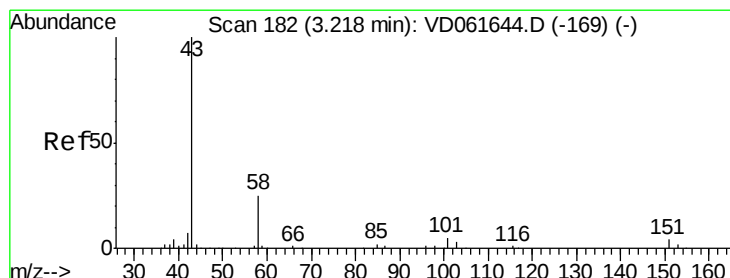
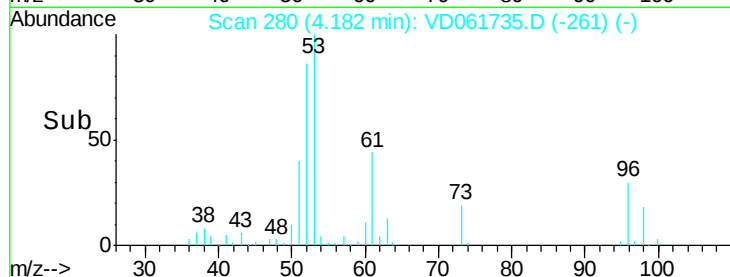
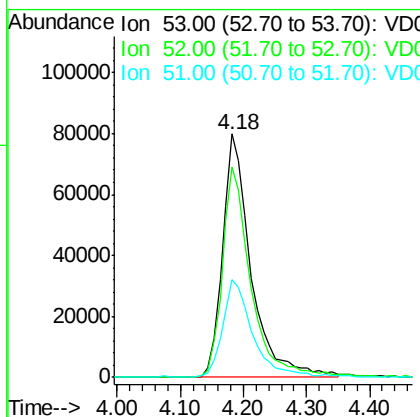
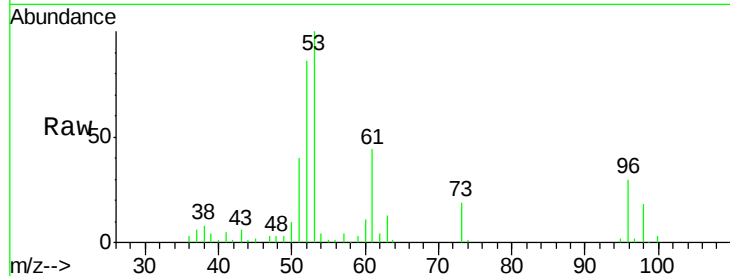
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	249783
Ion	Ratio	Lower	Upper
53	100		
52	86.3	65.9	98.9
51	40.1	31.4	47.2

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#16

Acetone

Concen: 271.727 ug/l

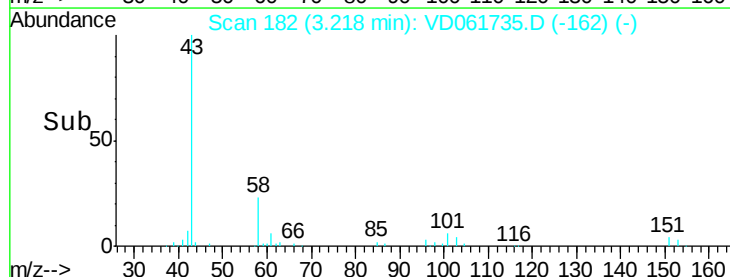
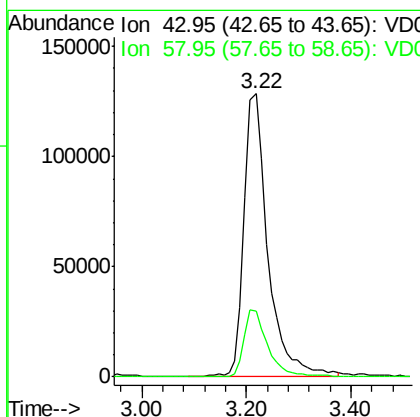
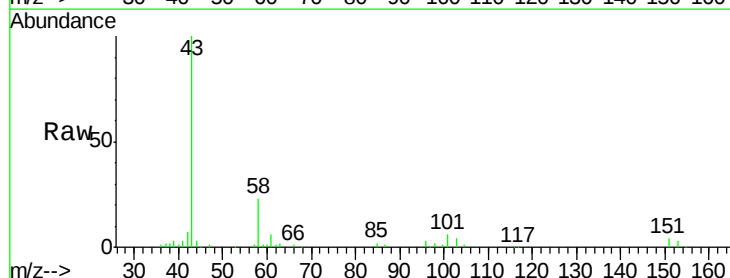
RT: 3.22 min Scan# 182

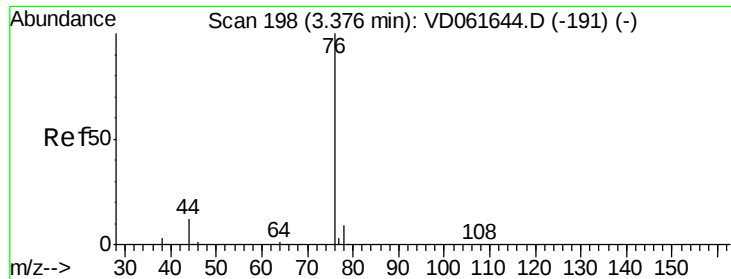
Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion:	43	Resp:	397536
Ion	Ratio	Lower	Upper
43	100		
58	23.5	19.7	29.5





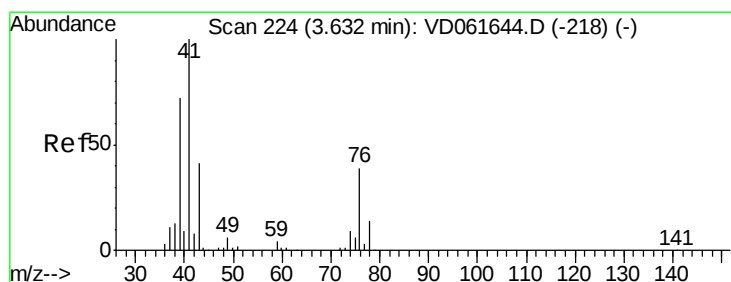
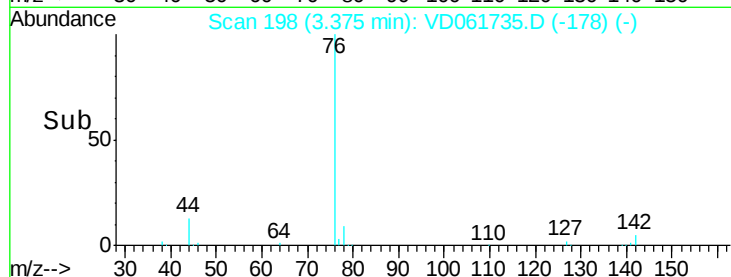
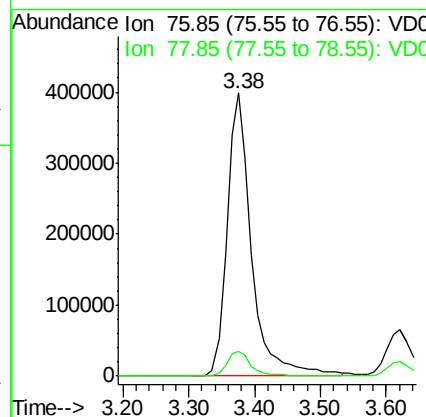
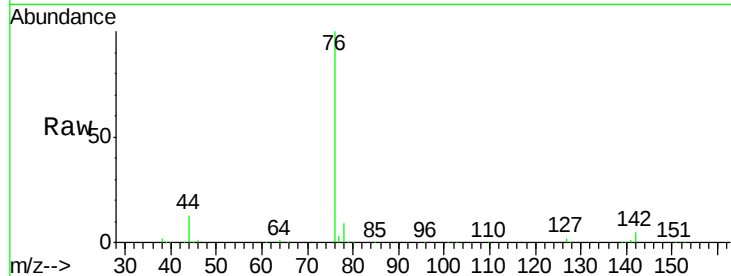
#17
Carbon Disulfide
Concen: 47.015 ug/l
RT: 3.38 min Scan# 198
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1028262
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2

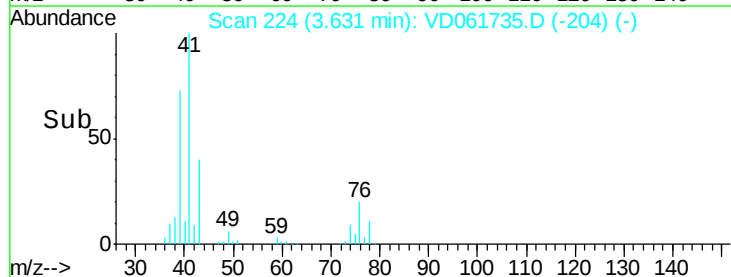
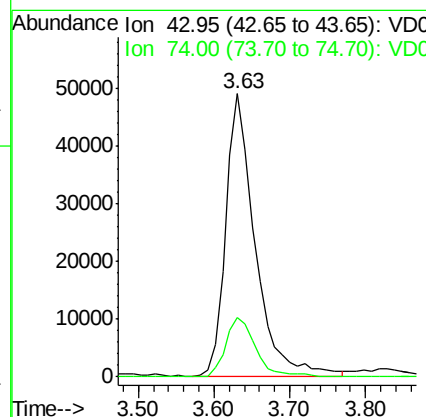
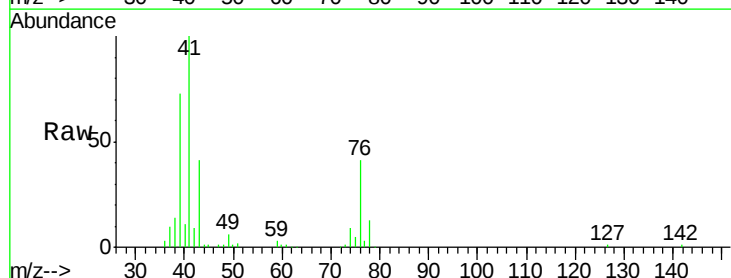
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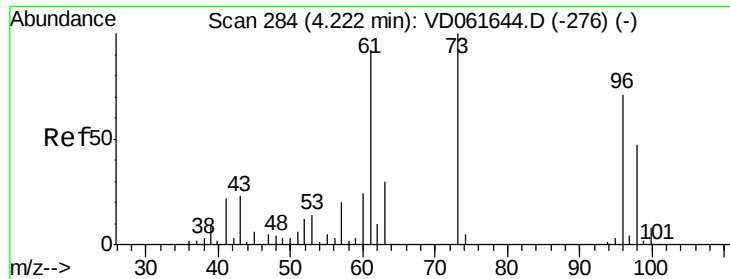
MMDadoda
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#18
Methyl Acetate
Concen: 48.373 ug/l
RT: 3.63 min Scan# 224
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 43 Resp: 133150
Ion Ratio Lower Upper
43 100
74 20.8 18.2 27.2





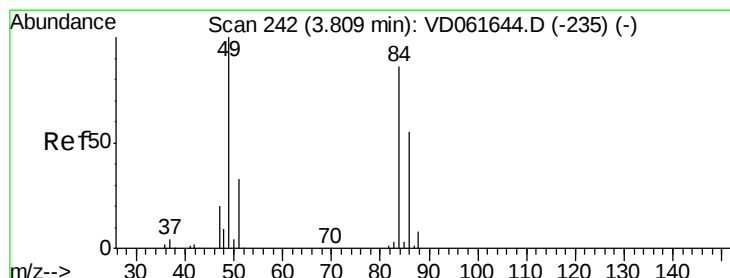
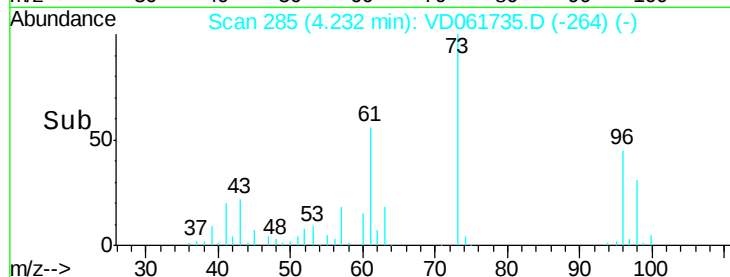
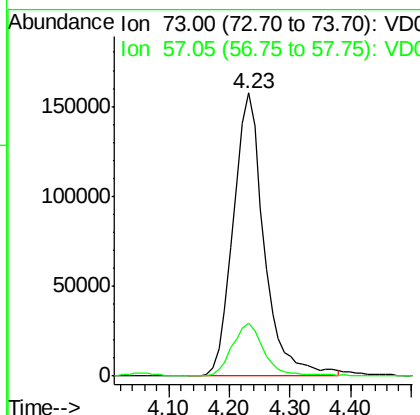
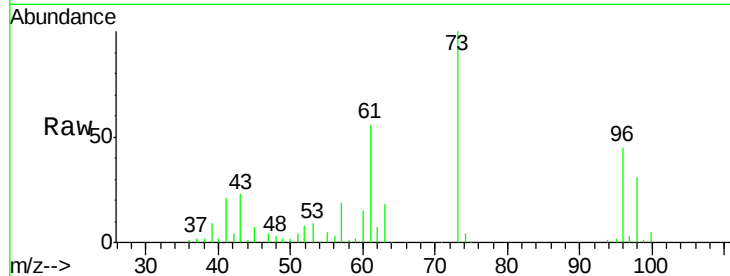
#19
Methvl tert-butvl Ether
Concen: 48.022 ug/l
RT: 4.23 min Scan# 285
Delta R.T. 0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 559676
Ion Ratio Lower Upper
73 100
57 18.6 16.0 24.0

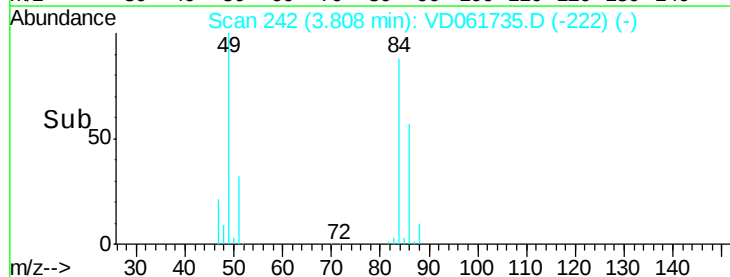
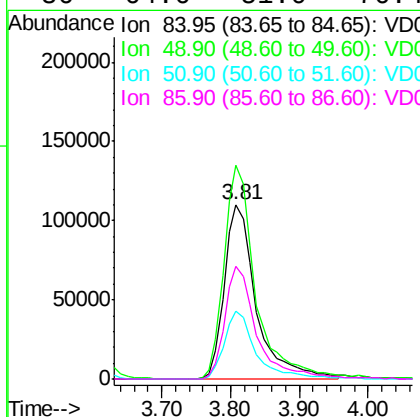
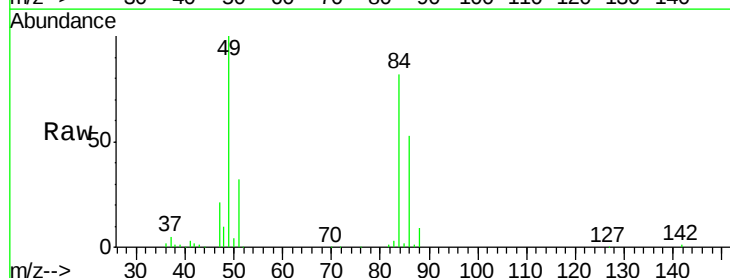
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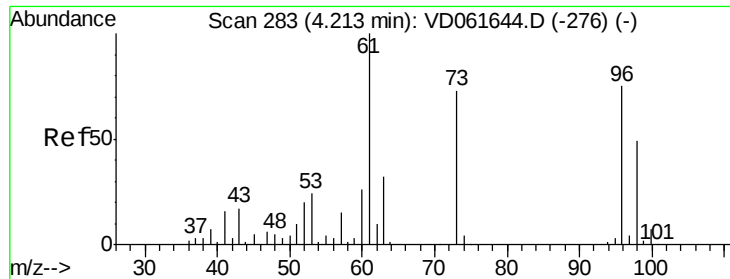
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#20
Methylene Chloride
Concen: 42.546 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 84 Resp: 353213
Ion Ratio Lower Upper
84 100
49 122.5 93.0 139.4
51 38.8 30.4 45.6
86 64.6 51.0 76.4





#21

trans-1,2-Dichloroethene

Concen: 46.903 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

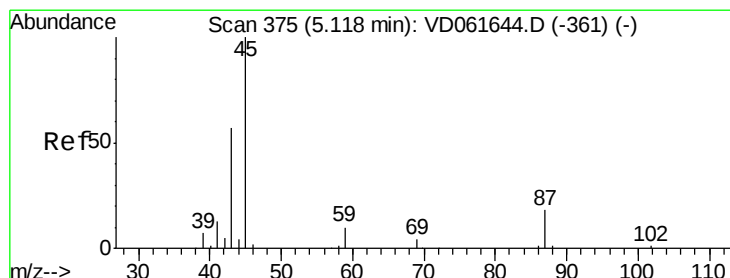
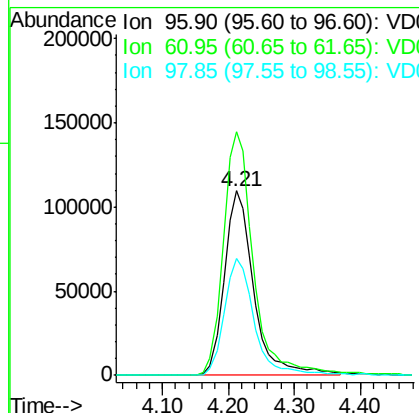
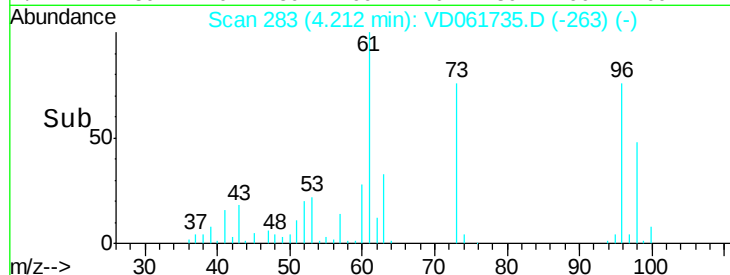
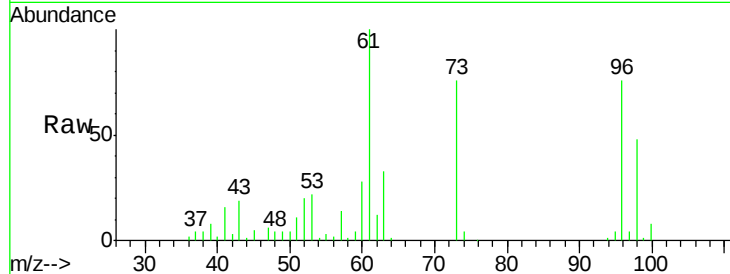
ClientSampleId :

VSTDCCC050

Tot Ion:	96	Resp:	342885
Ion Ratio	Lower	Upper	
96	100		
61	132.1	106.8	160.2
98	63.1	52.2	78.2

Manual Integrations
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#22

Diisopropyl ether

Concen: 47.749 ug/l

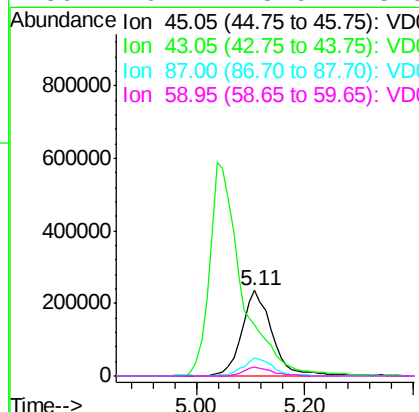
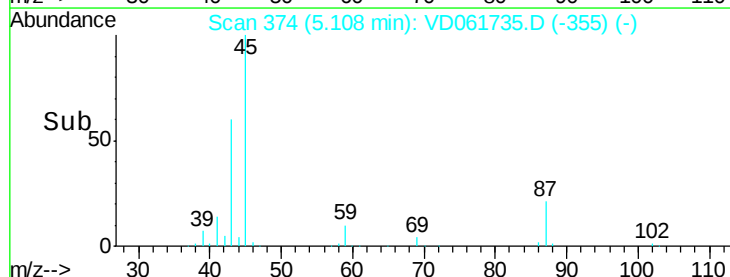
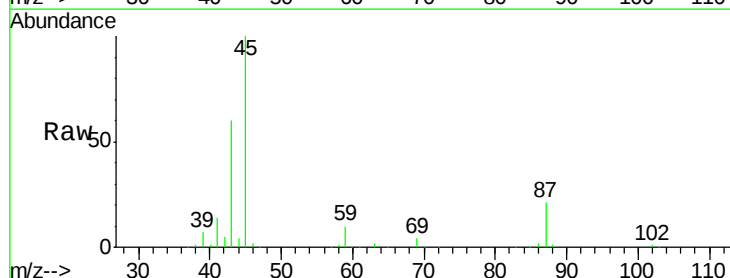
RT: 5.11 min Scan# 374

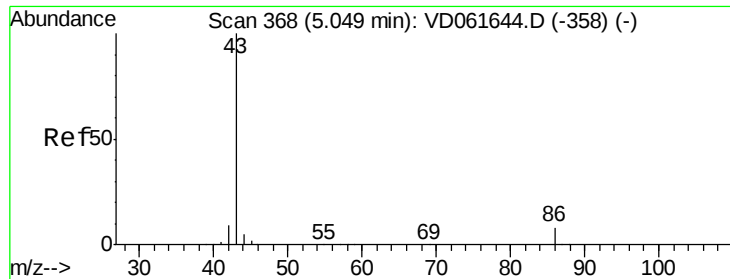
Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion:	45	Resp:	919059
Ion Ratio	Lower	Upper	
45	100		
43	59.9	46.6	70.0
87	20.6	15.6	23.4
59	10.4	8.6	13.0





#23

Vinyl Acetate

Concen: 225.595 ug/l

RT: 5.04 min Scan# 367

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2395932

Ion Ratio Lower Upper

43 100

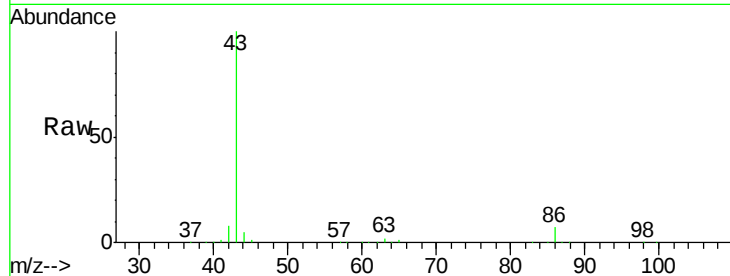
86 7.5 6.4 9.6

Manual Integrations

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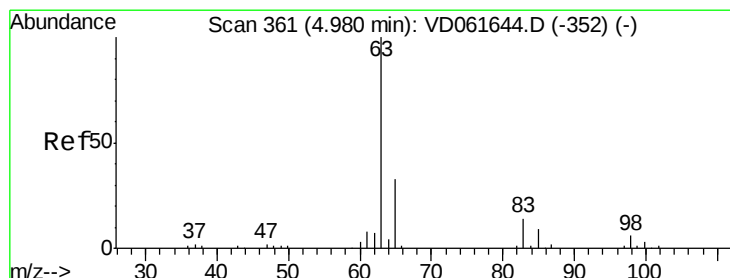
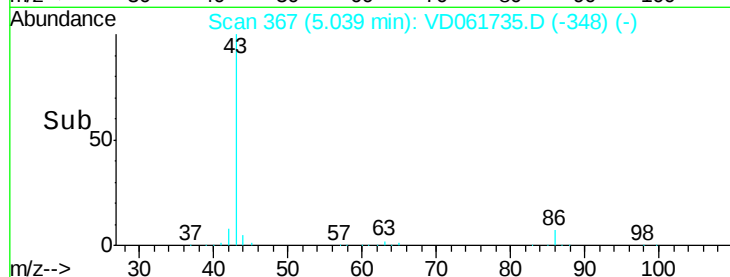
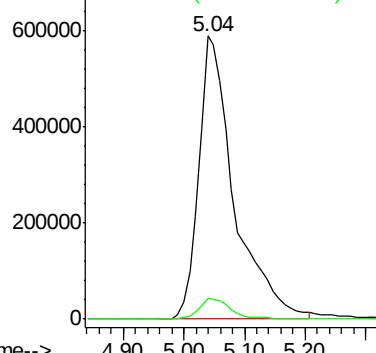
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 46.082 ug/l

RT: 4.98 min Scan# 361

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

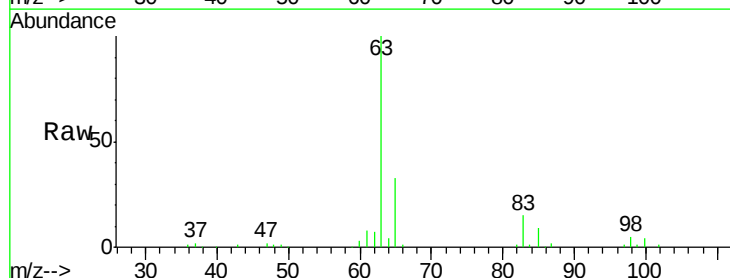
Tgt Ion: 63 Resp: 543527

Ion Ratio Lower Upper

63 100

98 5.1 2.9 8.6

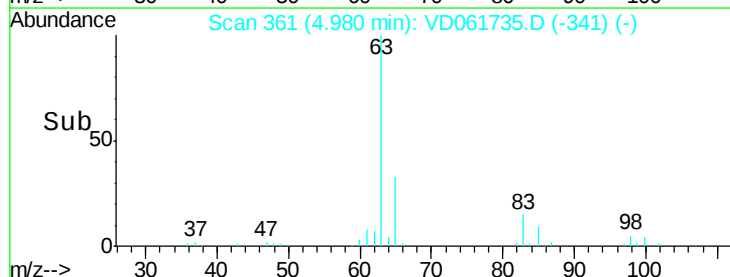
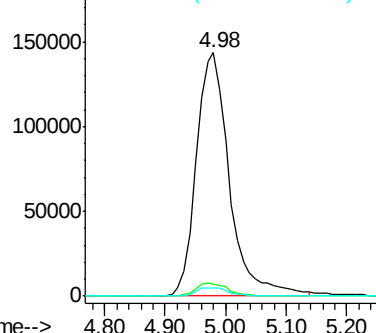
100 3.6 1.7 5.1

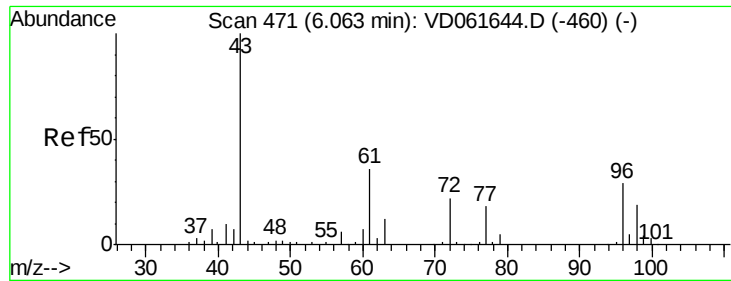


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 243.292 ug/l

RT: 6.06 min Scan# 471

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 410334

Ion Ratio Lower Upper

43 100

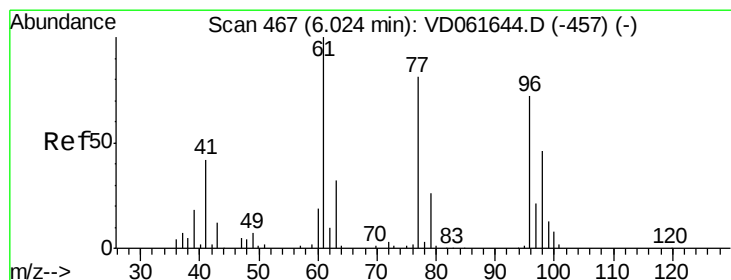
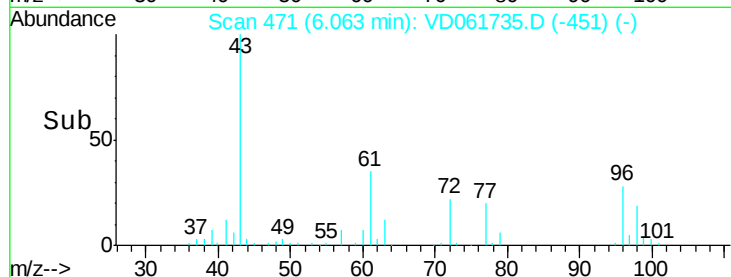
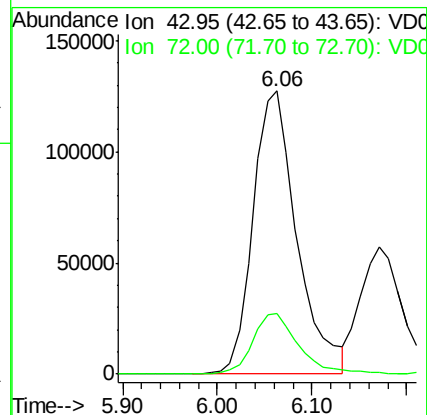
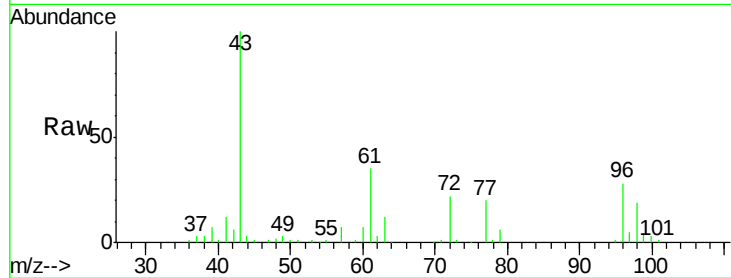
72 21.6 17.4 26.2

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 50.990 ug/l

RT: 6.01 min Scan# 466

Delta R.T. -0.01 min

Lab File: VD061735.D

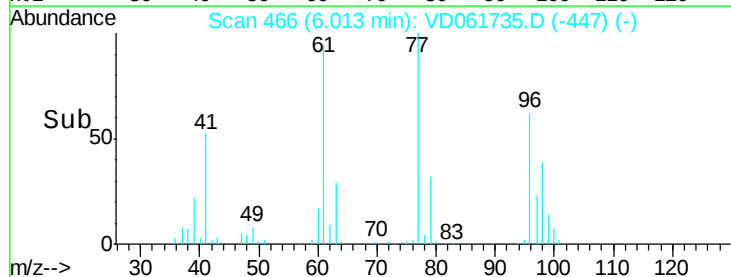
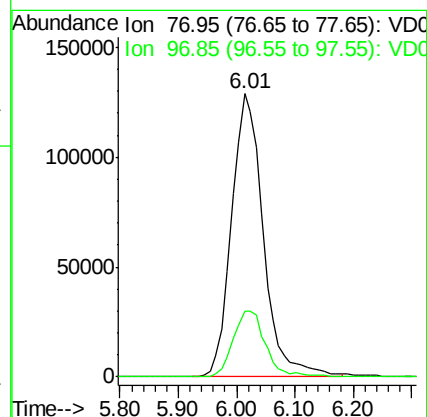
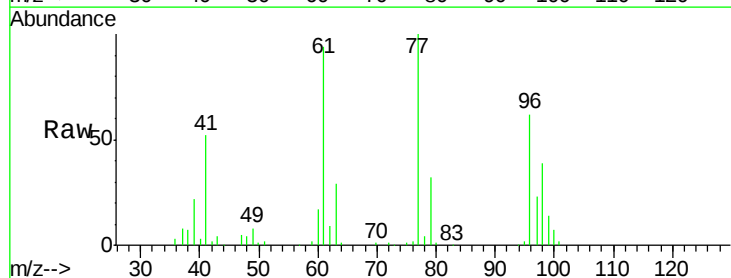
Acq: 11 Apr 2019 12:10

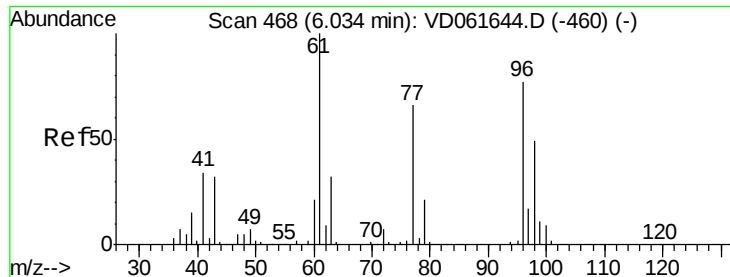
Tgt Ion: 77 Resp: 489709

Ion Ratio Lower Upper

77 100

97 23.4 12.7 38.0





#27

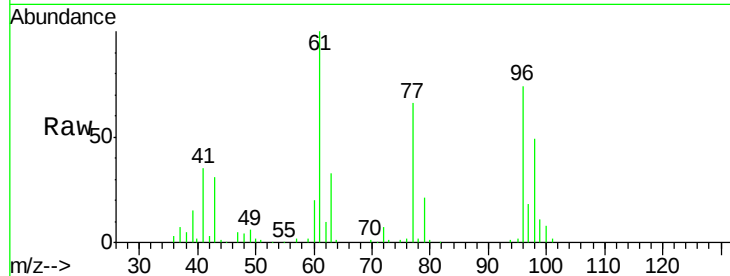
cis-1,2-Dichloroethene
Concen: 47.858 ug/l
RT: 6.03 min Scan# 468
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

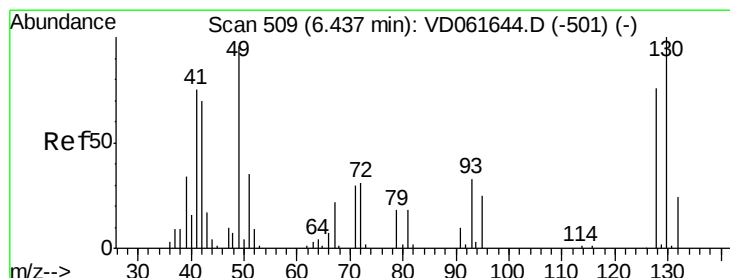
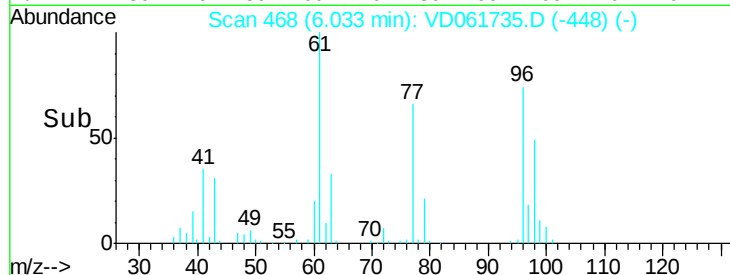
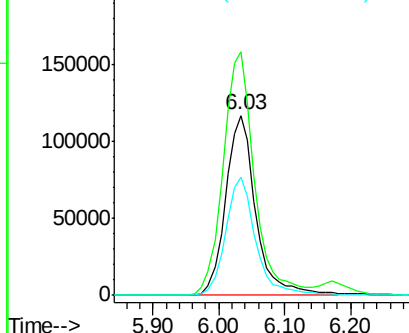
Tot Ion	Ratio	Lower	Upper
96	100		
61	135.4	0.0	259.8
98	66.0	0.0	127.6

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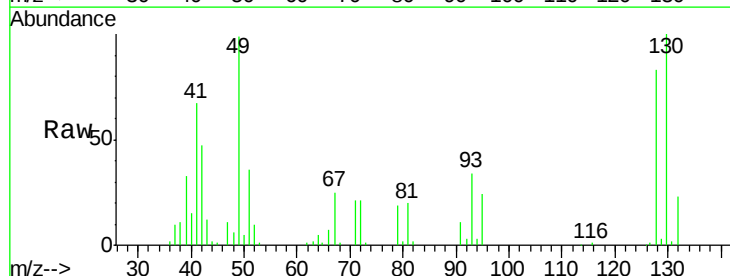
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



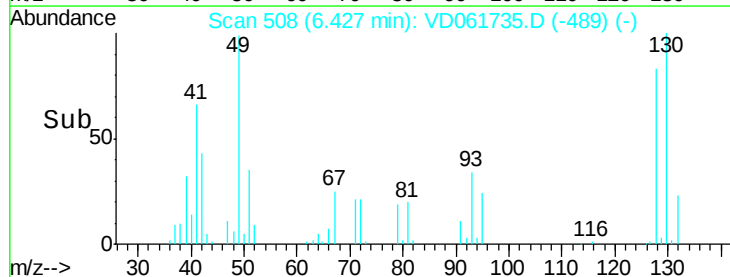
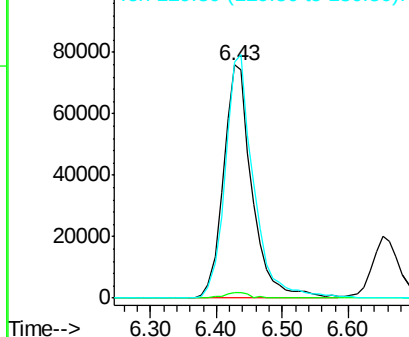
#28

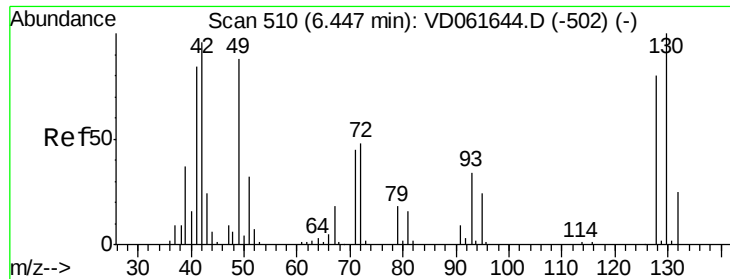
Bromochloromethane
Concen: 52.897 ug/l
RT: 6.43 min Scan# 508
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.6	0.0	4.0
130	101.3	83.3	124.9



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





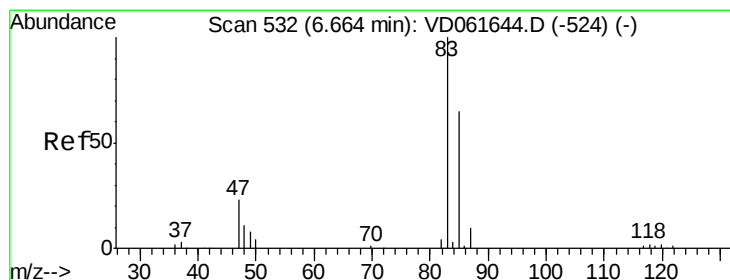
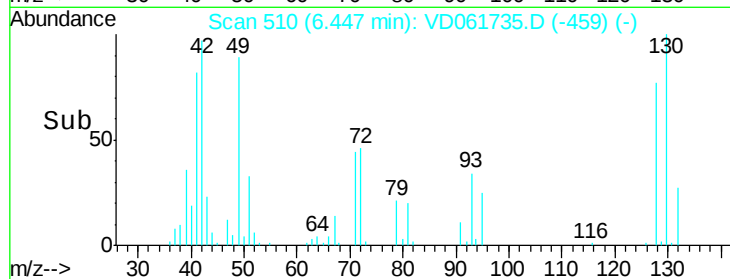
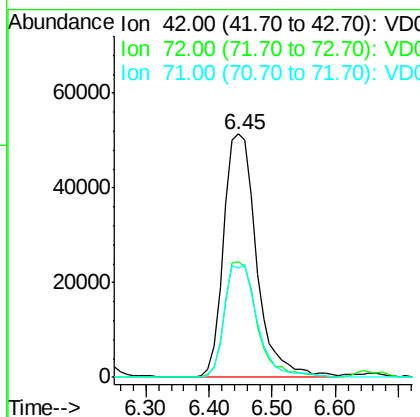
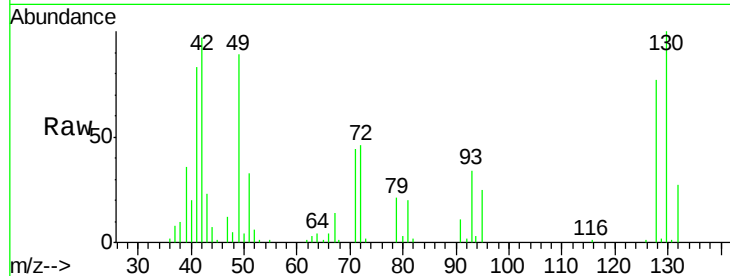
#29
Tetrahydrofuran
Concen: 229.001 ug/l
RT: 6.45 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
42	100		
72	46.6	37.0	55.6
71	46.5	36.5	54.7

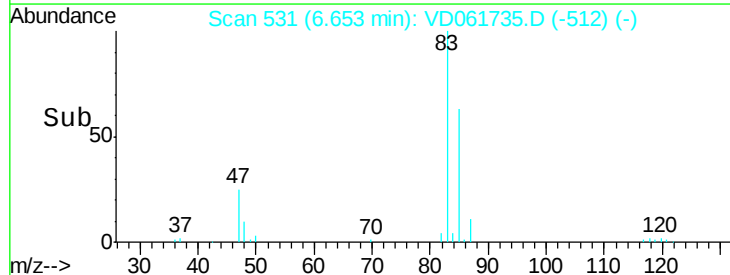
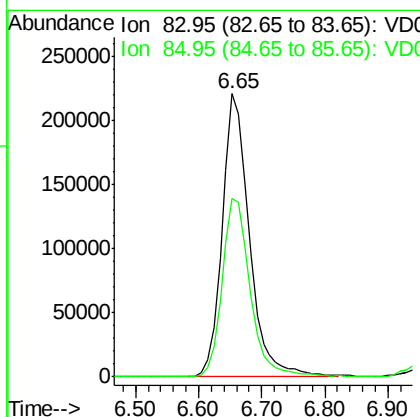
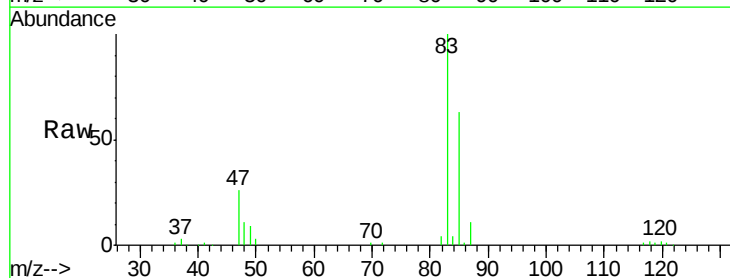
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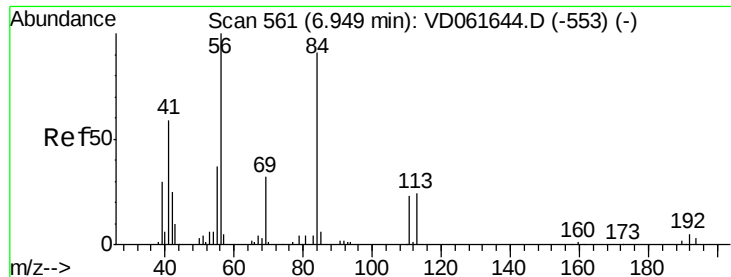
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#30
Chloroform
Concen: 53.440 ug/l
RT: 6.65 min Scan# 531
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.2	51.9	77.9





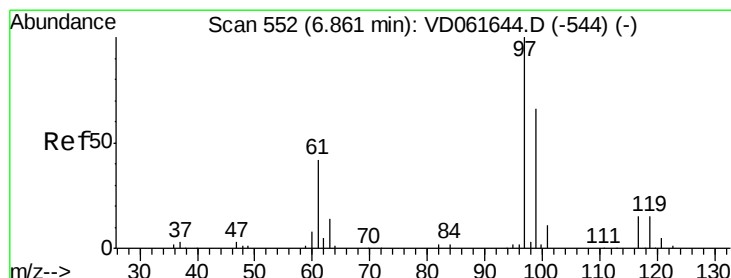
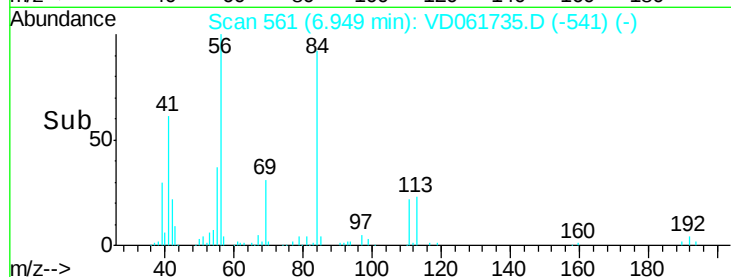
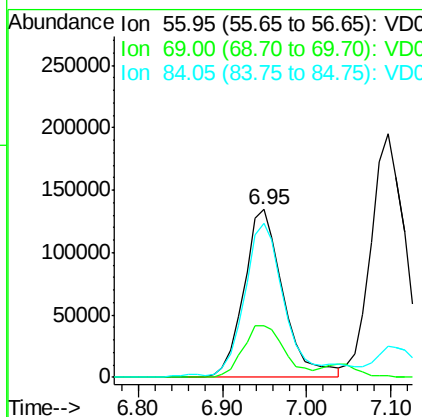
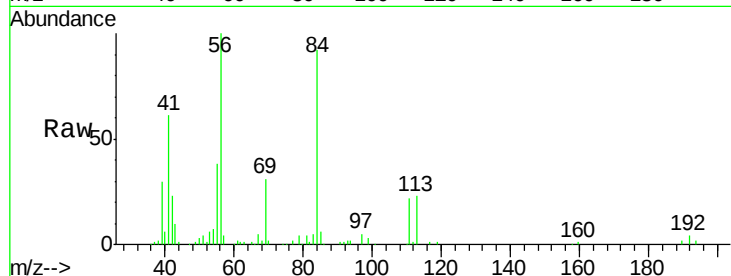
#31
Cvclohexane
Concen: 47.735 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.8	25.8	38.6
84	91.8	74.2	111.2

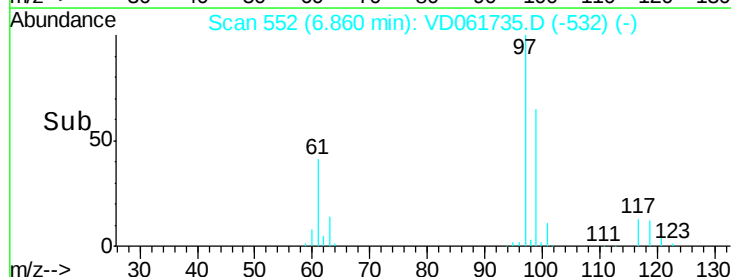
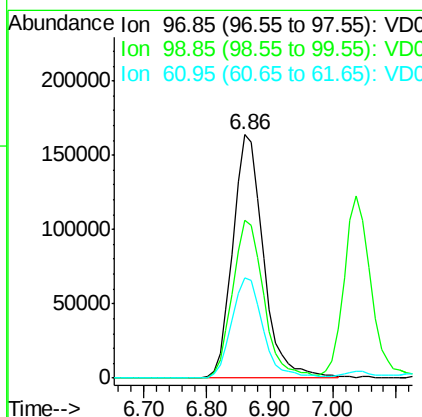
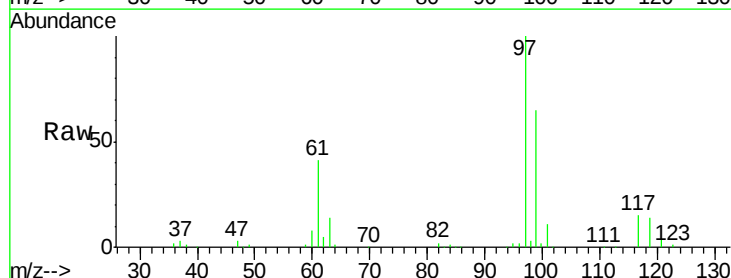
Manual Integrations
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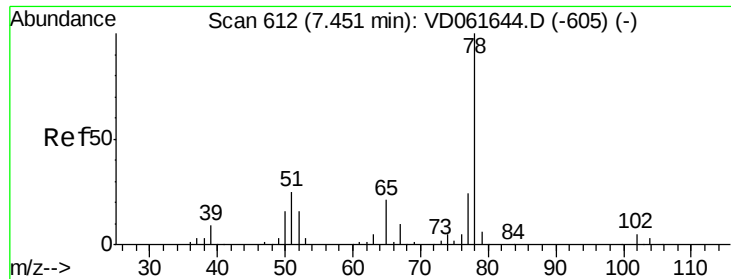
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#32
1,1,1-Trichloroethane
Concen: 50.790 ug/l
RT: 6.86 min Scan# 552
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.5	78.7
61	41.4	33.4	50.0





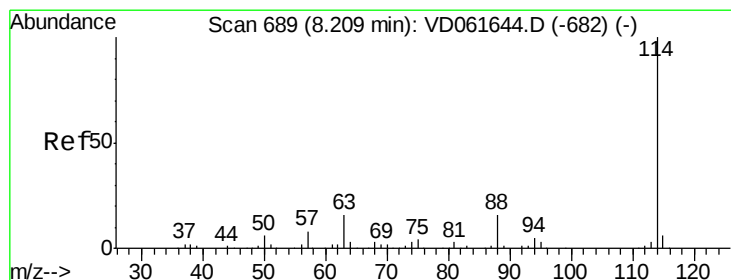
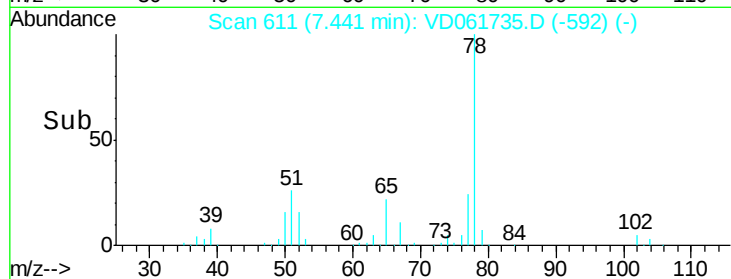
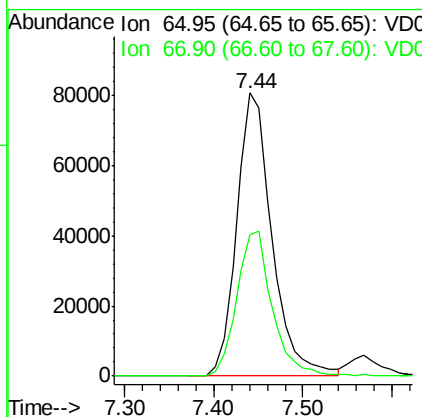
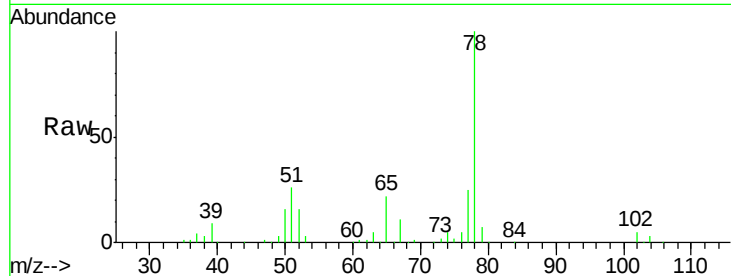
#33
 1,2-Dichloroethane-d4
 Concen: 50.790 ug/l
 RT: 7.44 min Scan# 611
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
65	100	221112		
67	50.1	0.0	99.4	

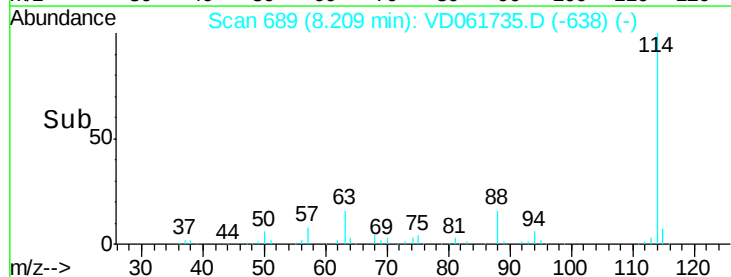
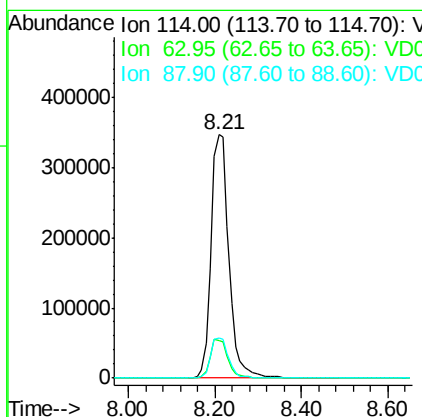
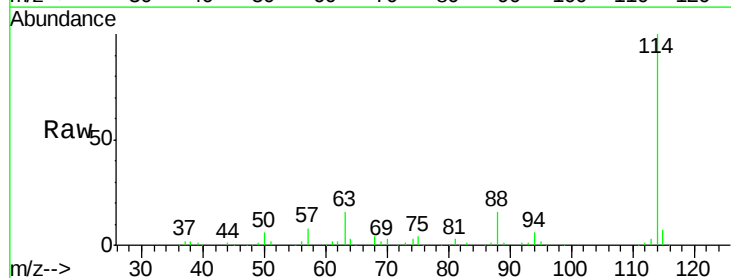
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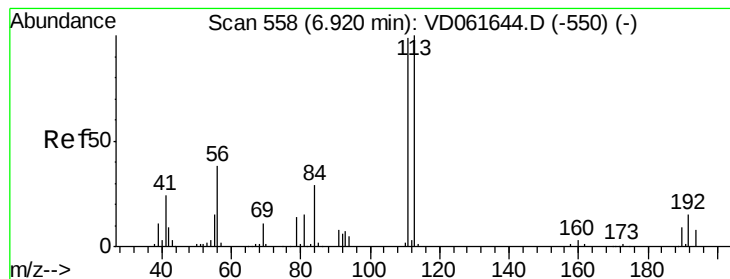
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.21 min Scan# 689
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	993227		
63	15.6	0.0	31.2	
88	16.4	0.0	31.8	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

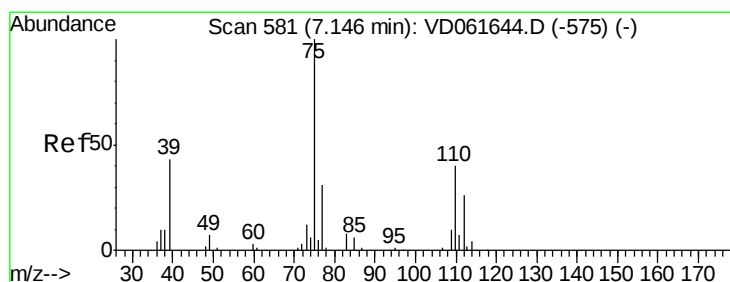
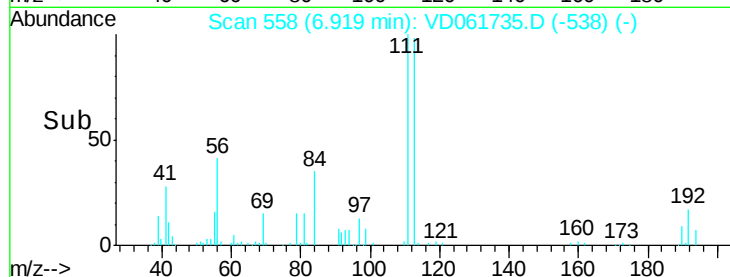
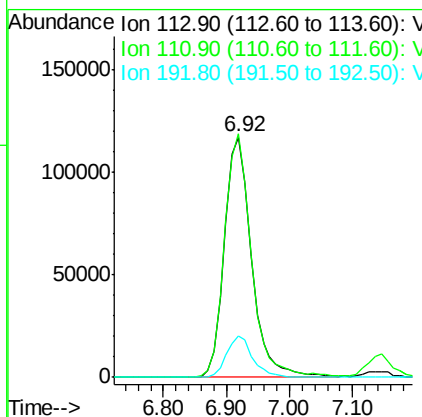
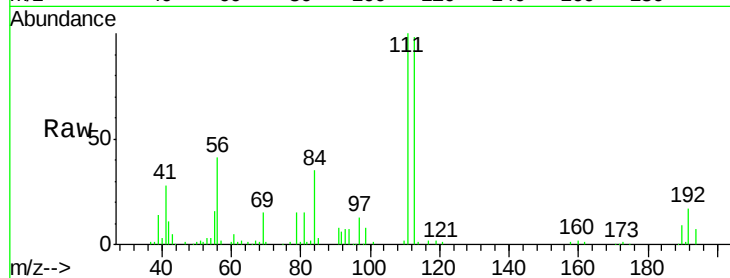
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	349993		
111	101.5	79.3	118.9	
192	17.3	12.3	18.5	

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#36

1,1-Dichloropropene

Concen: 51.057 ug/l

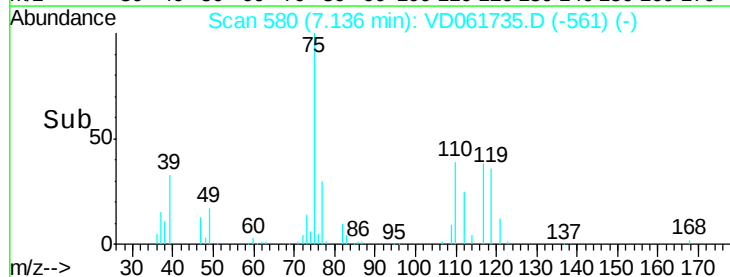
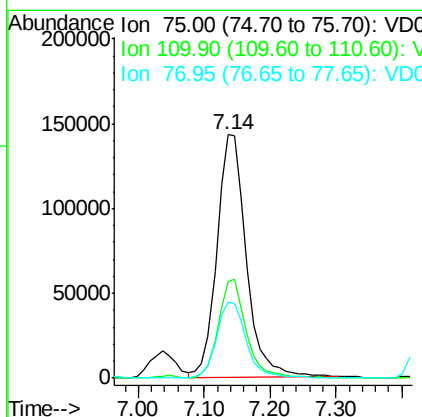
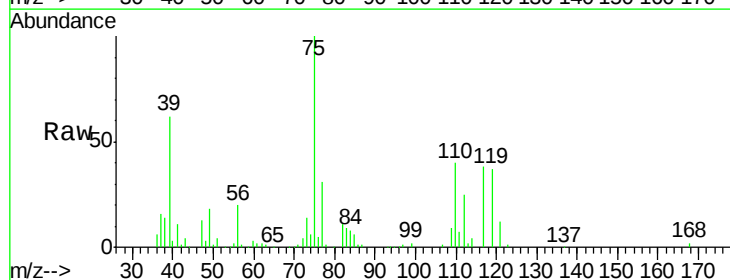
RT: 7.14 min Scan# 580

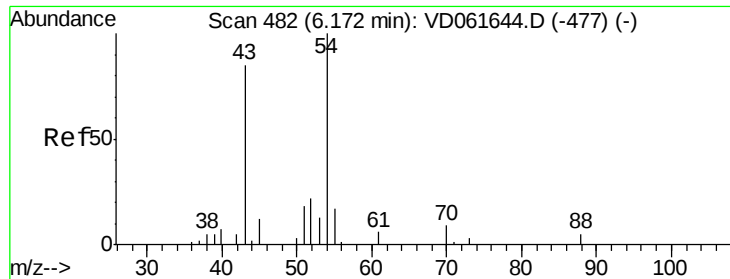
Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	443816		
110	39.8	19.7	59.0	
77	31.0	24.8	37.2	





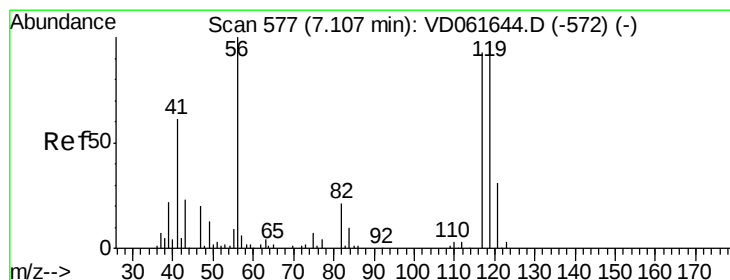
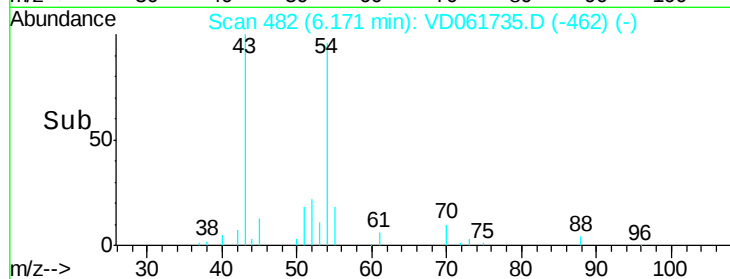
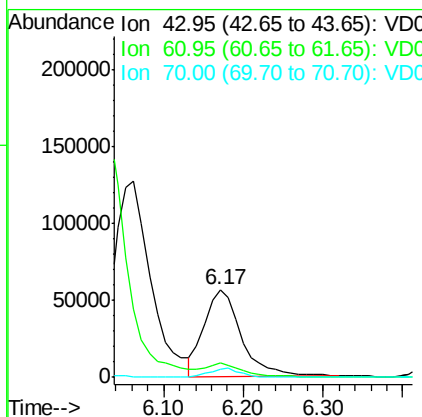
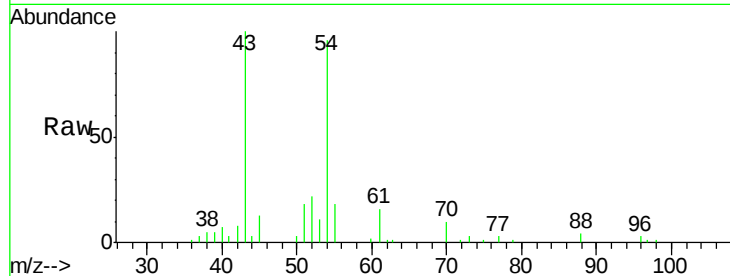
#37
Ethyl Acetate
Concen: 51.607 ug/l
RT: 6.17 min Scan# 482
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.9	17.9
70	9.7	6.9	10.3

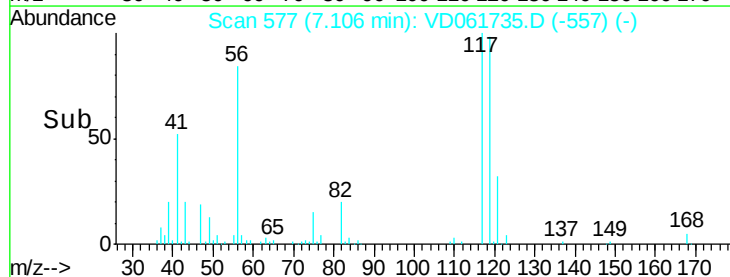
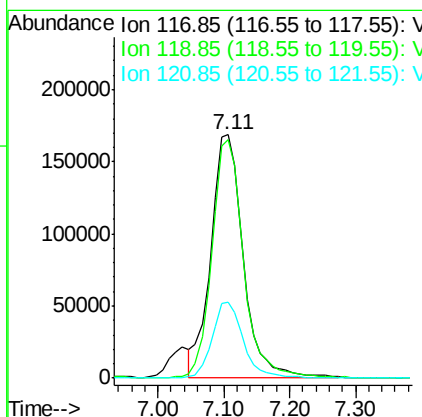
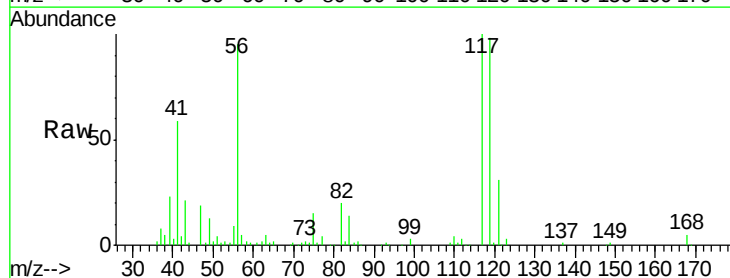
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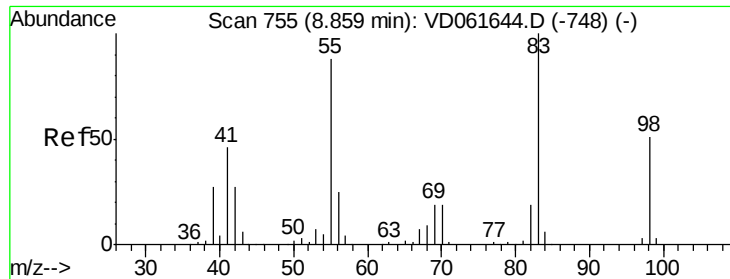
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#38
Carbon Tetrachloride
Concen: 57.356 ug/l m
RT: 7.11 min Scan# 577
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
117	100		
119	97.8	77.9	116.9
121	31.4	24.7	37.1





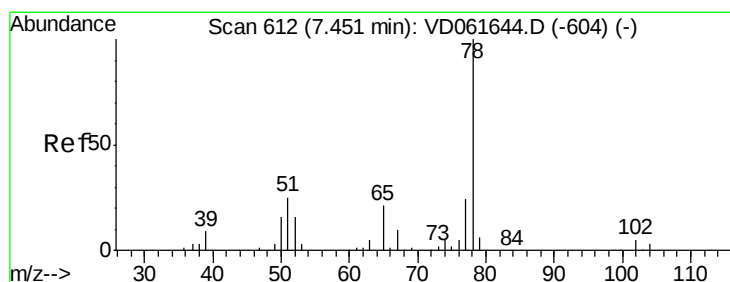
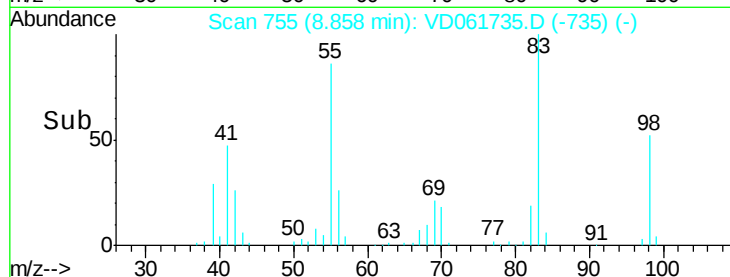
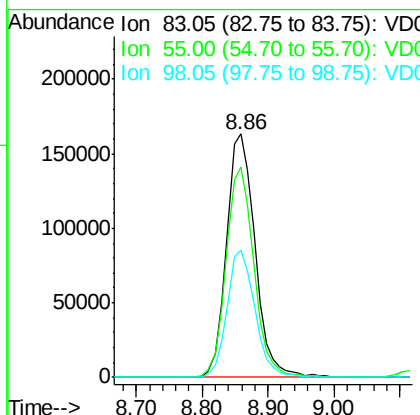
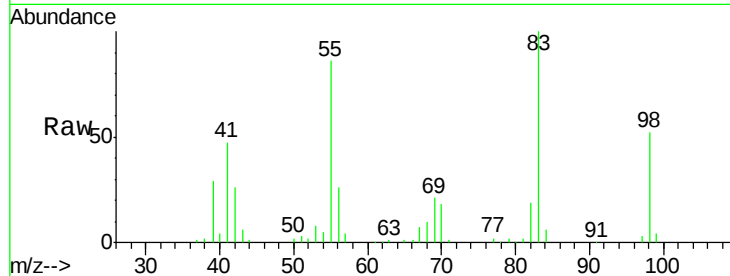
#39
Methvlcvclohexane
Concen: 55.707 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	497148
Ion Ratio	100	Lower	Upper
83	100	70.3	105.5
55	86.4	41.0	61.6
98	52.1		

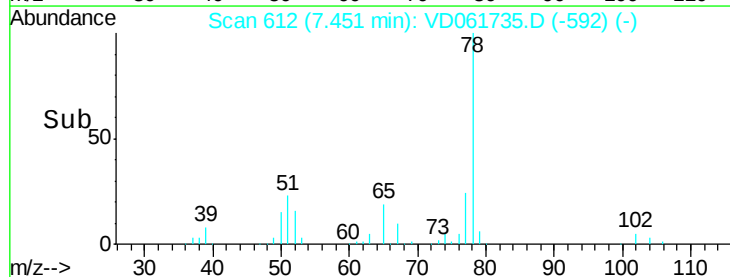
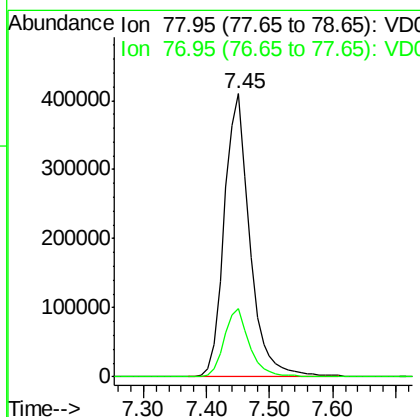
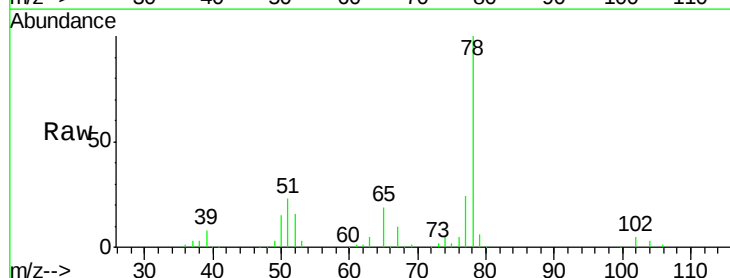
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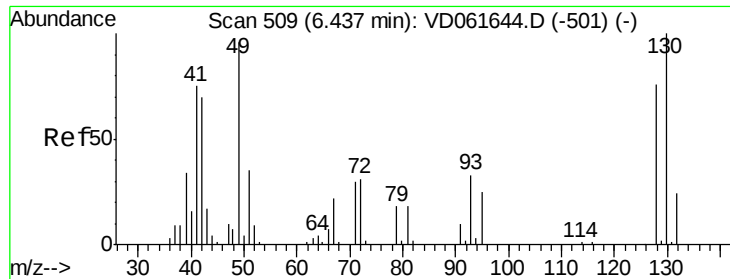
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#40
Benzene
Concen: 54.817 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	78	Resp	1149553
Ion Ratio	100	Lower	Upper
78	100	19.5	29.3
77	24.2		





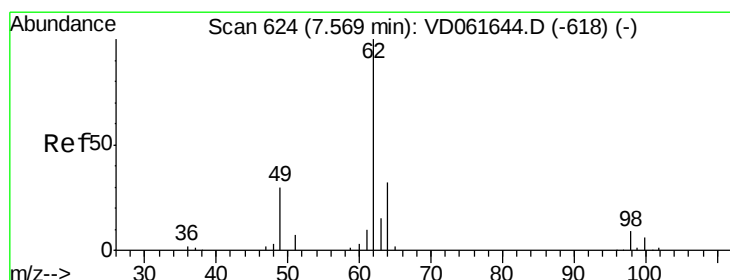
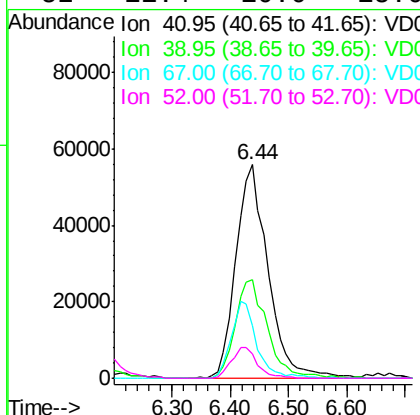
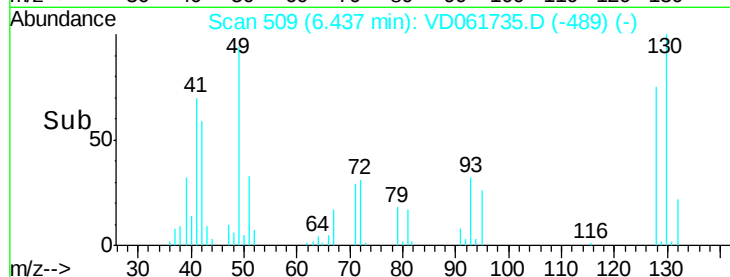
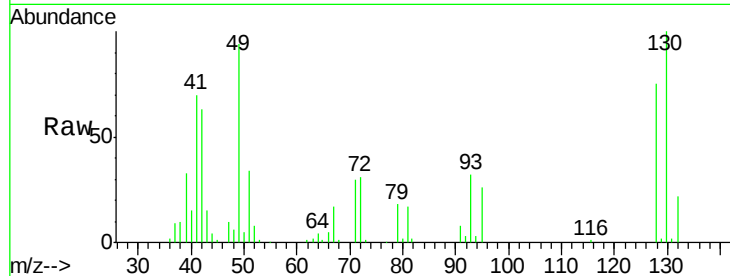
#41
Methacrylonitrile
Concen: 51.722 ug/l
RT: 6.44 min Scan# 509
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100		213774		
39	46.3	36.2	54.2		
67	24.4	23.2	34.8		
52	11.4	10.0	15.0		

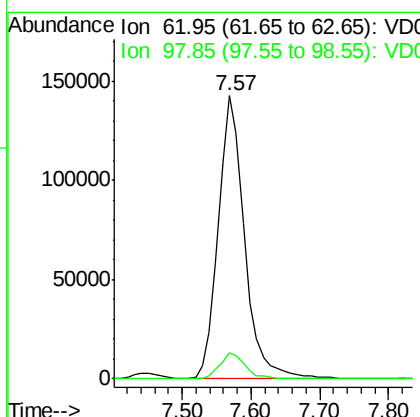
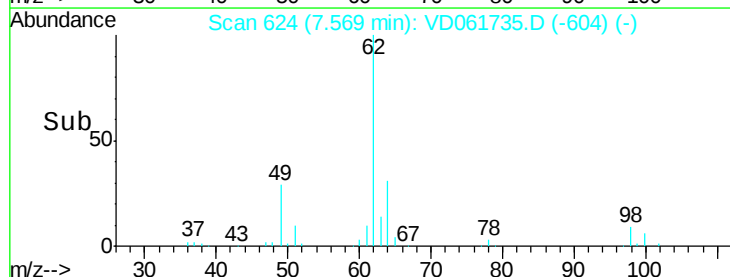
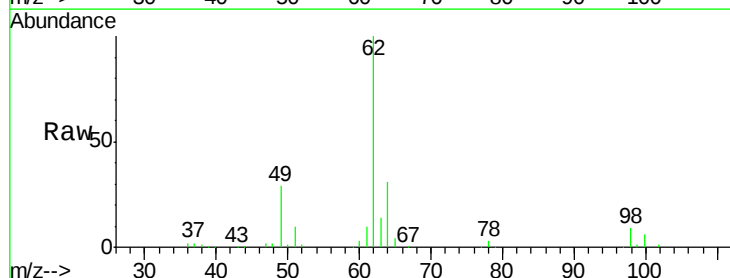
Manual Integrations
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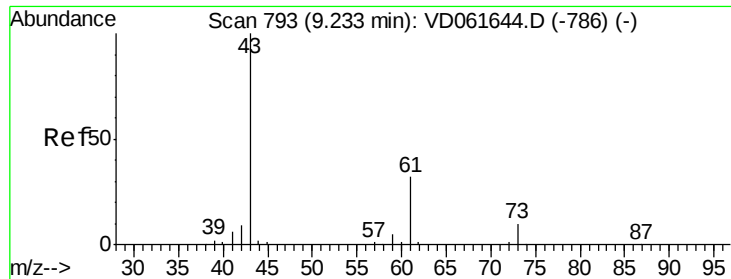
MMDadoda
4/12/2019 11:42:37 AM



#42
1,2-Dichloroethane
Concen: 57.445 ug/l
RT: 7.57 min Scan# 624
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100		378854		
98	9.4	0.0	17.8		





#43

Isopropyl Acetate

Concen: 50.318 ug/l

RT: 9.23 min Scan# 793

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

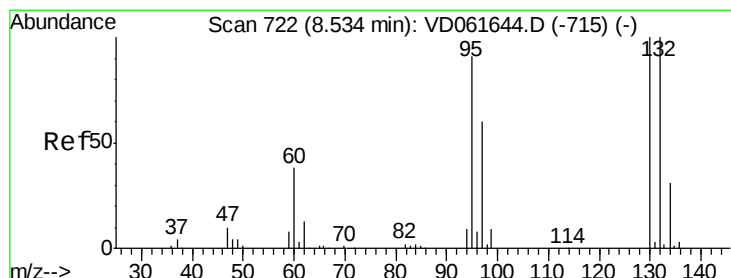
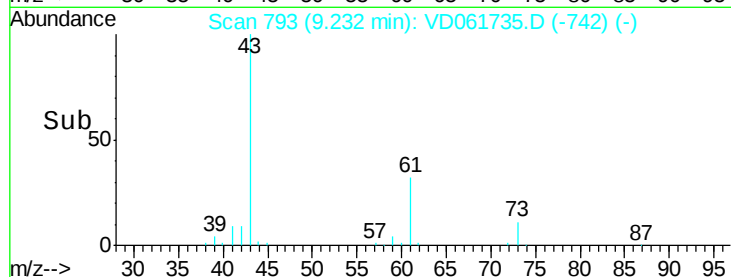
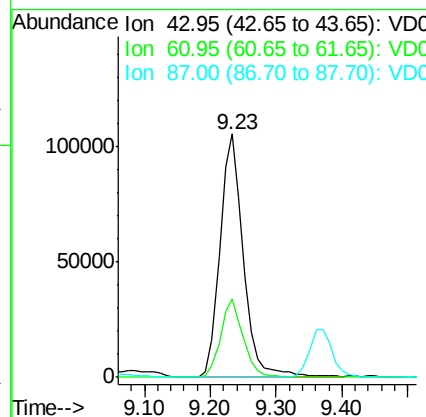
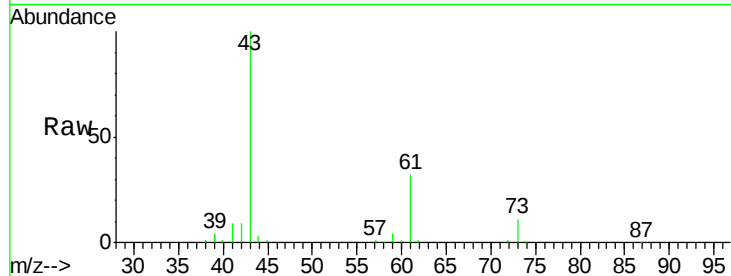
ClientSampleID :

VSTDCCC050

Tot Ion:	43	Resp:	258559
Ion	Ratio	Lower	Upper
43	100		
61	32.0	25.9	38.9
87	0.3	0.2	0.4

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#44

Trichloroethene

Concen: 55.242 ug/l

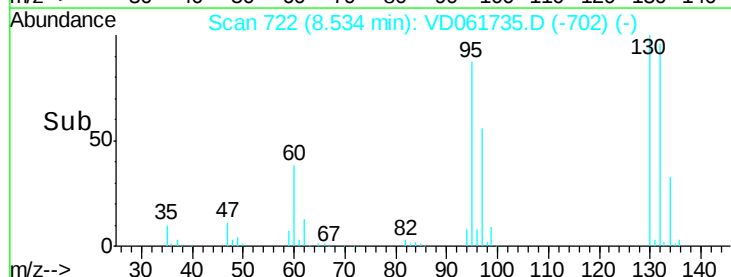
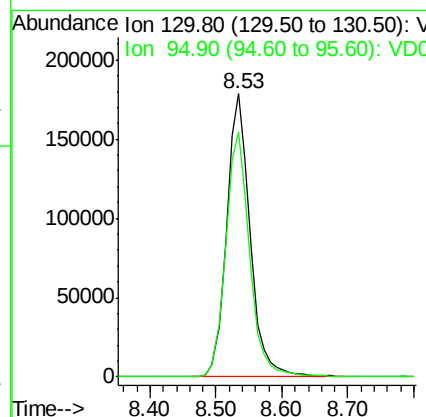
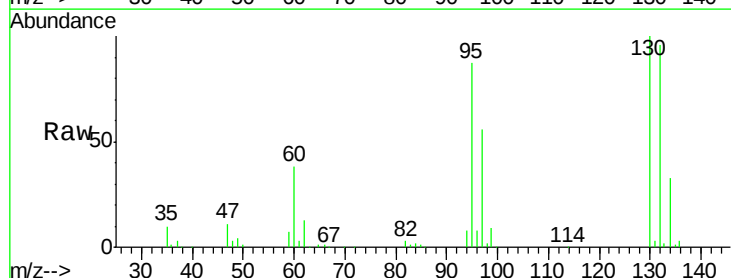
RT: 8.53 min Scan# 722

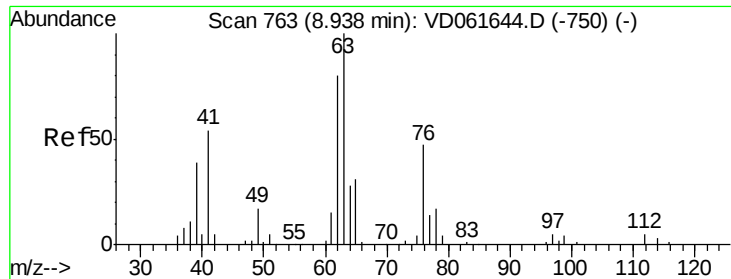
Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion:	130	Resp:	444116
Ion	Ratio	Lower	Upper
130	100		
95	86.7	0.0	181.8





#45

1,2-Dichloropropane

Concen: 52.869 ug/l

RT: 8.93 min Scan# 762

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 274951

Ion Ratio Lower Upper

63 100

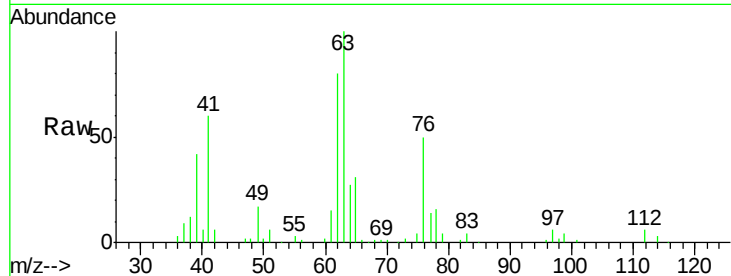
65 30.6 24.5 36.7

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC

8.93

100000

80000

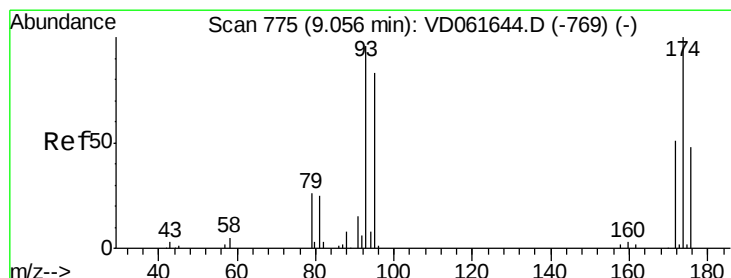
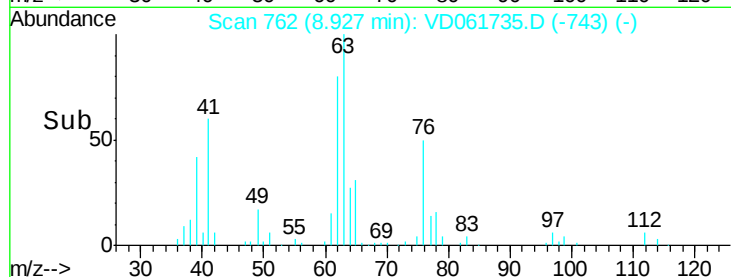
60000

40000

20000

0

Time-->



#46

Dibromomethane

Concen: 53.907 ug/l

RT: 9.06 min Scan# 775

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

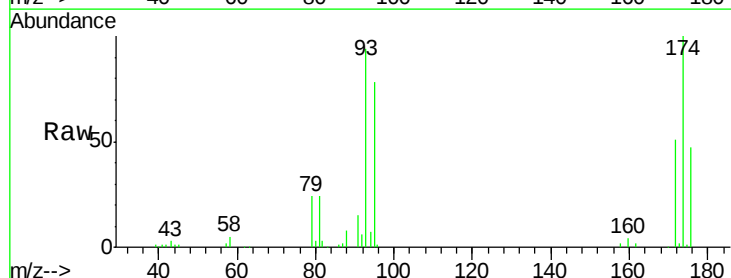
Tgt Ion: 93 Resp: 200366

Ion Ratio Lower Upper

93 100

95 83.6 68.6 103.0

174 106.9 83.0 124.4



Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V

9.06

100000

80000

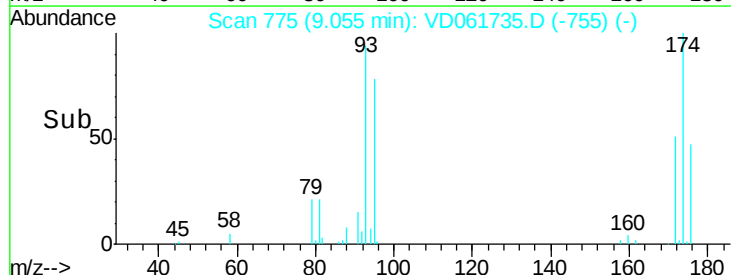
60000

40000

20000

0

Time-->





#47

Bromodichloromethane

Concen: 58.430 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

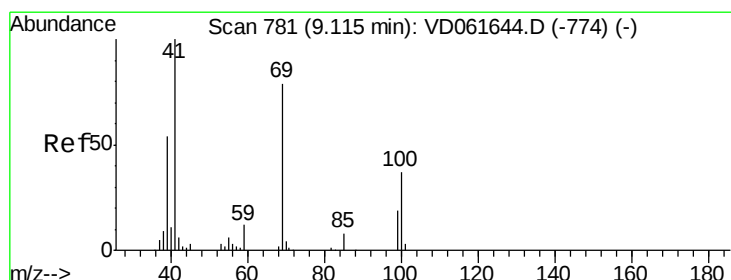
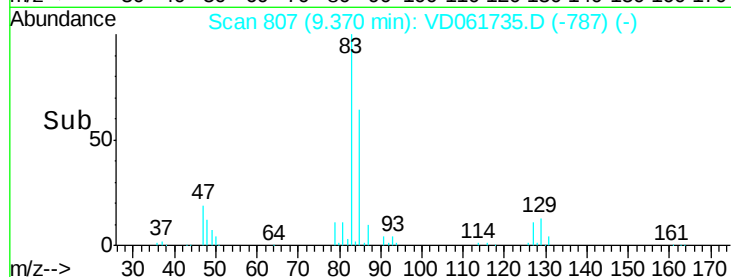
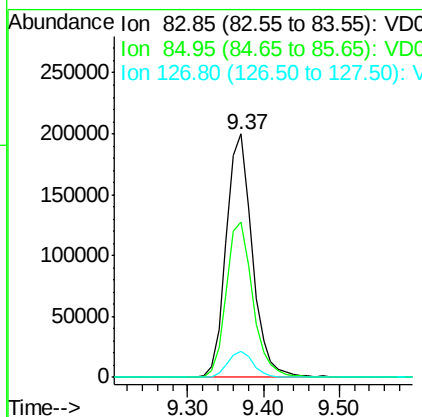
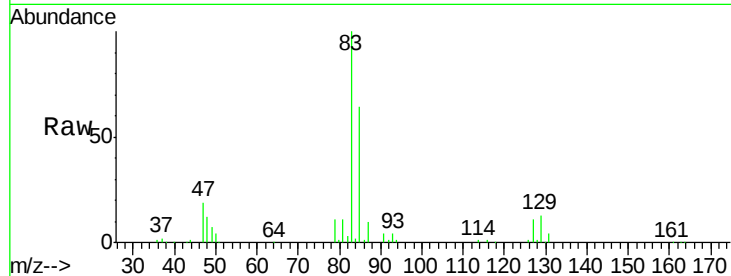
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	476978
Ion	Ratio	Lower	Upper
83	100		
85	63.9	51.8	77.6
127	10.7	9.0	13.6

Manual Integrations
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#48

Methyl methacrylate

Concen: 54.217 ug/l

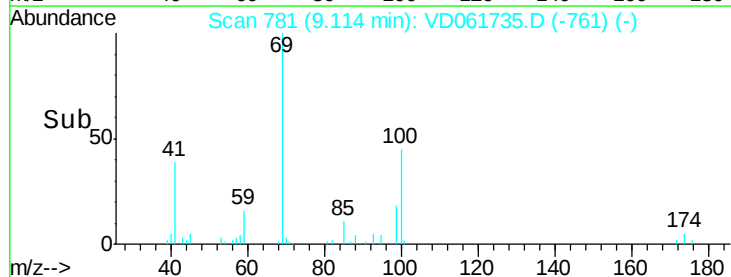
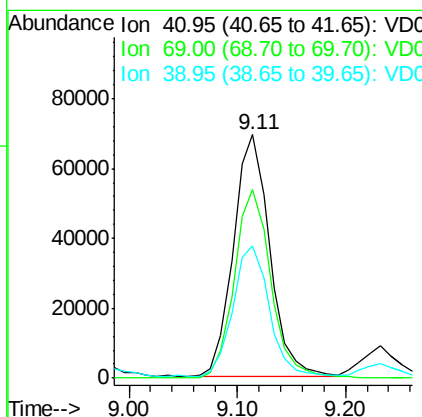
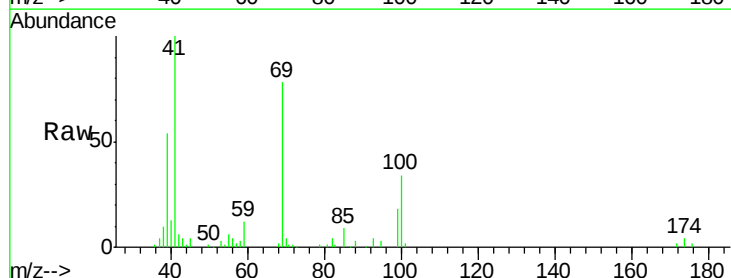
RT: 9.11 min Scan# 781

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion:	41	Resp:	160589
Ion	Ratio	Lower	Upper
41	100		
69	77.7	63.1	94.7
39	54.3	43.8	65.8





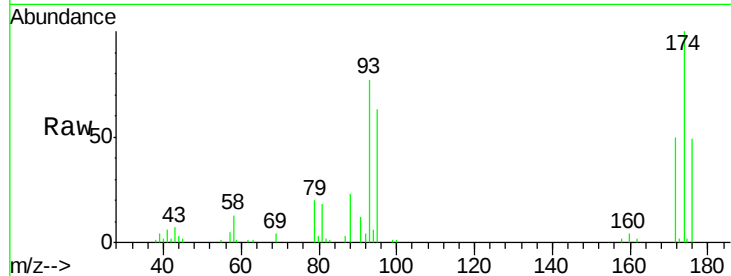
#49
1,4-Dioxane
Concen: 1036.671 ug/l
RT: 9.07 min Scan# 777
Delta R.T. 0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

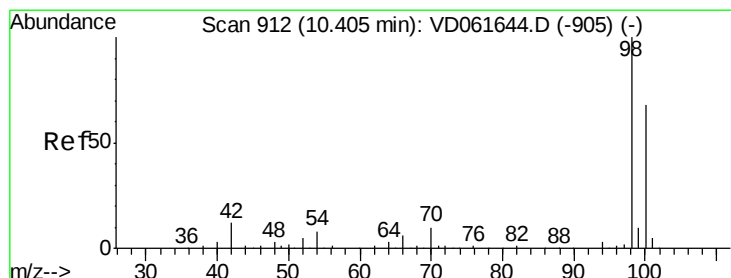
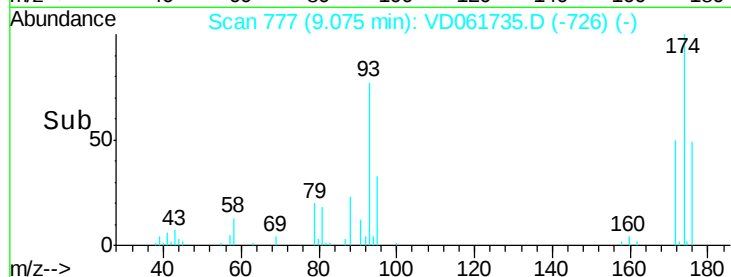
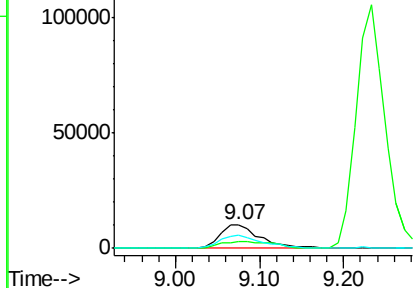
Tot Ion	Ratio	Resp	Lower	Upper
88	100	33893		
43	29.0		21.8	32.8
58	56.2		40.2	60.2

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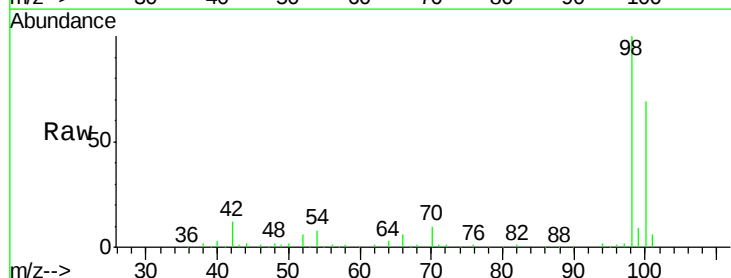


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

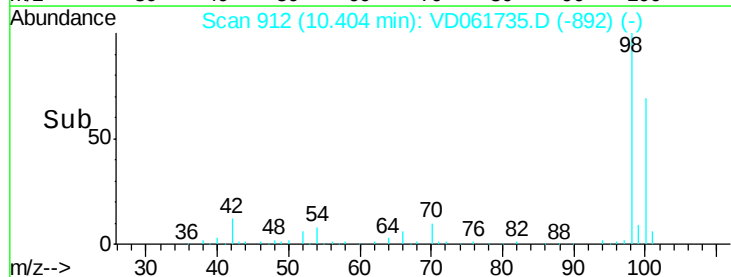
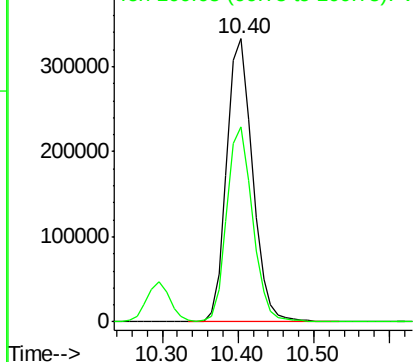


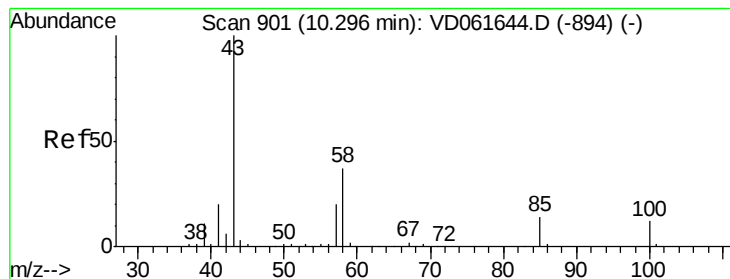
#50
Toluene-d8
Concen: 1036.671 ug/l
RT: 10.40 min Scan# 912
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Resp	Lower	Upper
98	100	788926		
100	69.0		55.4	83.0



Abundance Ion 98.05 (97.75 to 98.75): VDC
Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 261.882 ug/l

RT: 10.30 min Scan# 901

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tot Ion: 43 Resp: 795823

Ion Ratio Lower Upper

43 100

58 38.6 29.8 44.8

Instrument :

MSVOA_D

ClientSampleId :

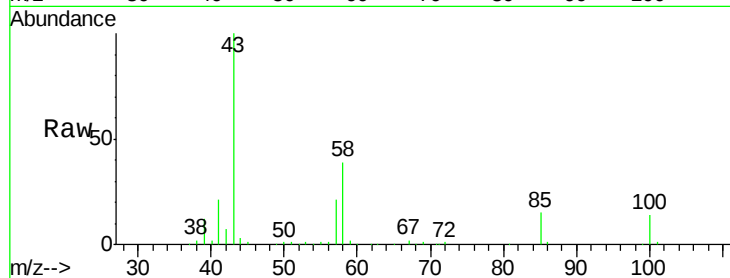
VSTDCCC050

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

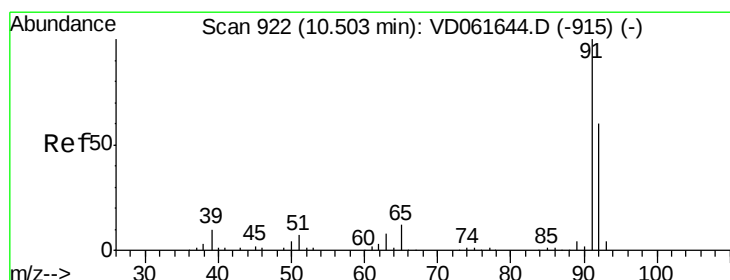
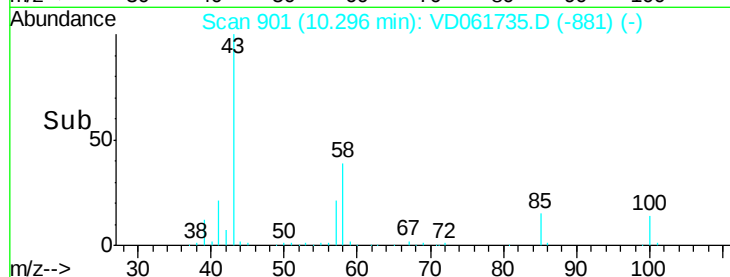
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 54.344 ug/l

RT: 10.50 min Scan# 922

Delta R.T. -0.00 min

Lab File: VD061735.D

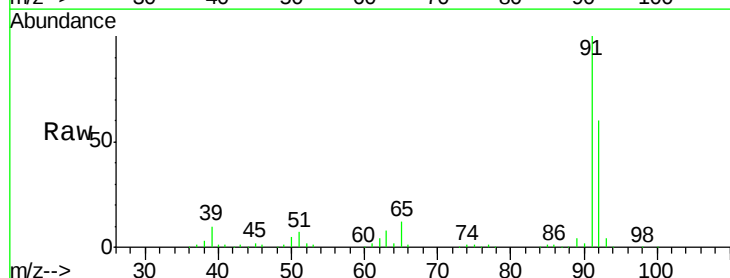
Acq: 11 Apr 2019 12:10

Tgt Ion: 92 Resp: 711635

Ion Ratio Lower Upper

92 100

91 165.5 133.0 199.4



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

600000

500000

400000

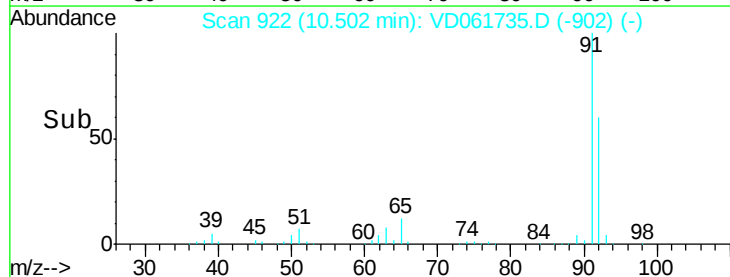
300000

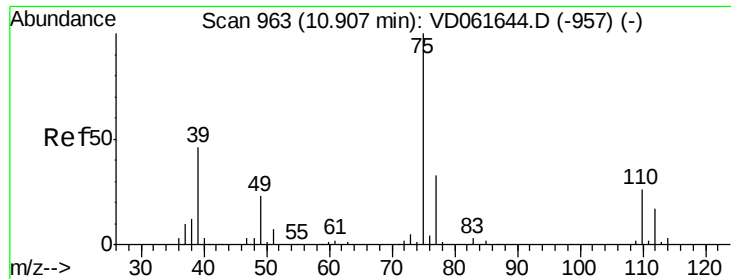
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 61.784 ug/l

RT: 10.91 min Scan# 963

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 442111

Ion Ratio Lower Upper

75 100

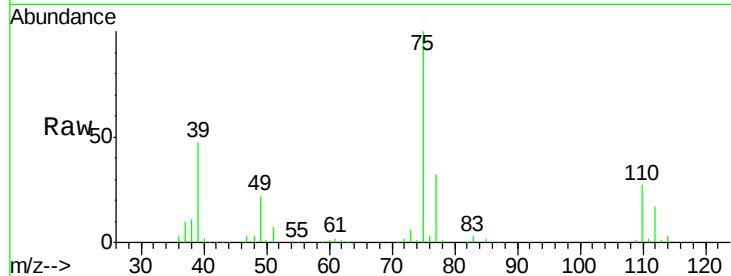
77 32.3 26.2 39.2

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

250000

200000

150000

100000

50000

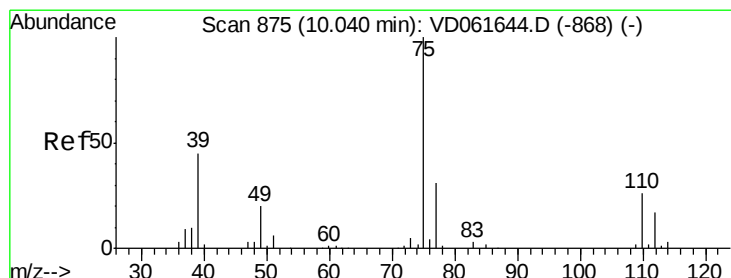
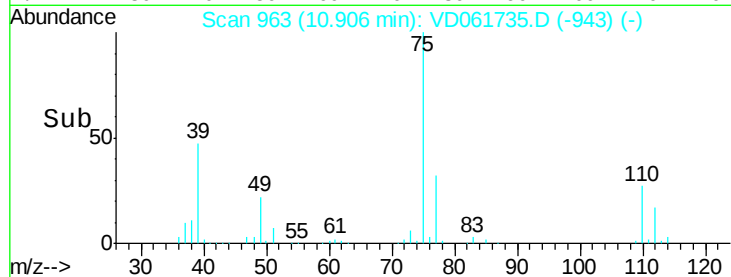
0

10.80

10.90

11.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 56.257 ug/l

RT: 10.03 min Scan# 874

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

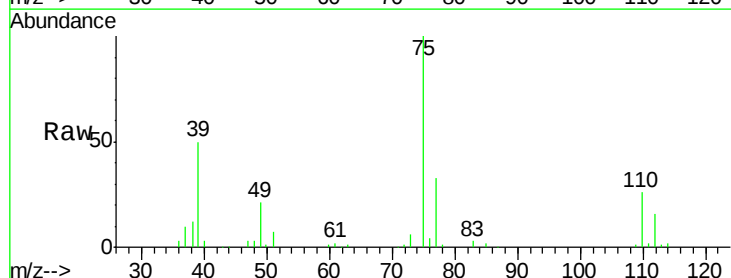
Tgt Ion: 75 Resp: 496243

Ion Ratio Lower Upper

75 100

77 33.4 24.6 37.0

39 50.0 36.2 54.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

300000

250000

200000

150000

100000

50000

0

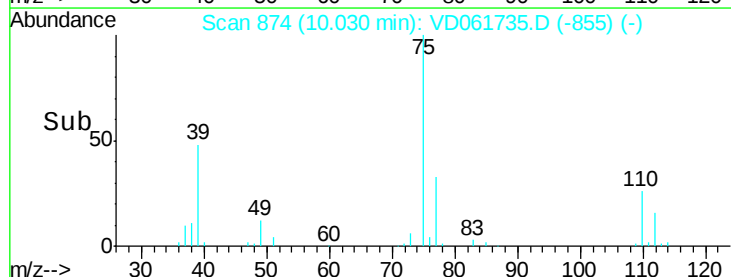
9.90

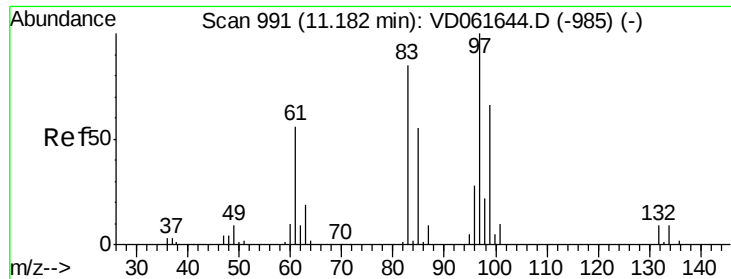
10.00

10.10

10.20

Time-->





#55

1,1,2-Trichloroethane

Concen: 54.743 ug/l

RT: 11.18 min Scan# 991

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 241774

Ion Ratio Lower Upper

97 100

83 84.4 67.8 101.6

85 54.8 43.8 65.8

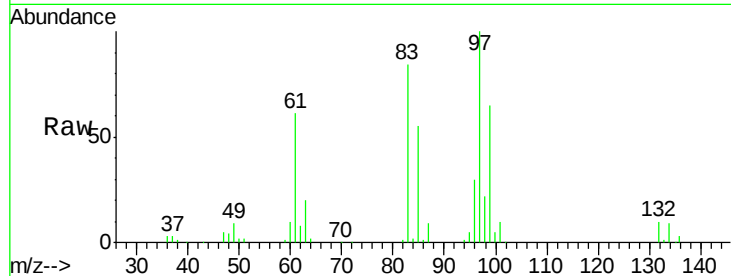
99 64.6 52.8 79.2

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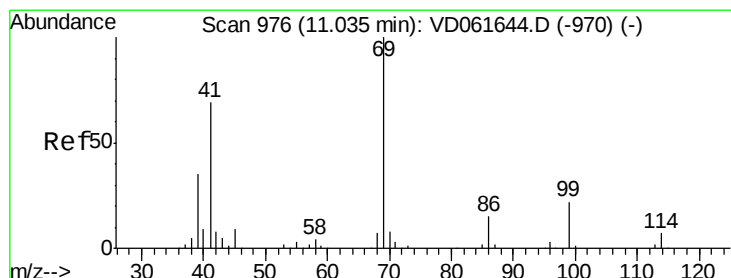
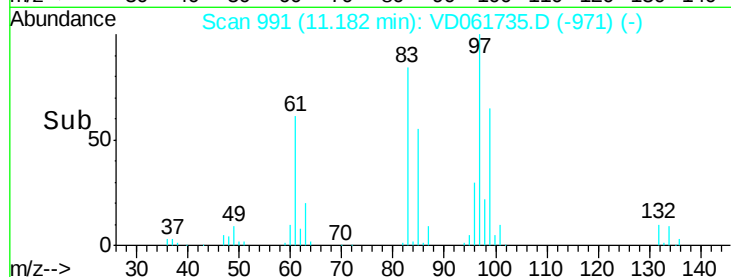
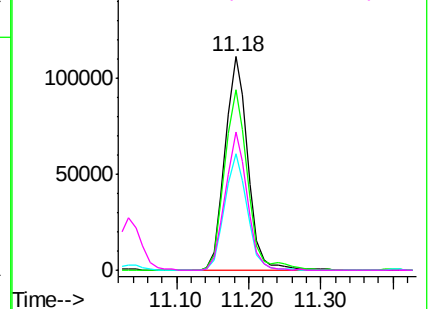


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 55.741 ug/l

RT: 11.03 min Scan# 976

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

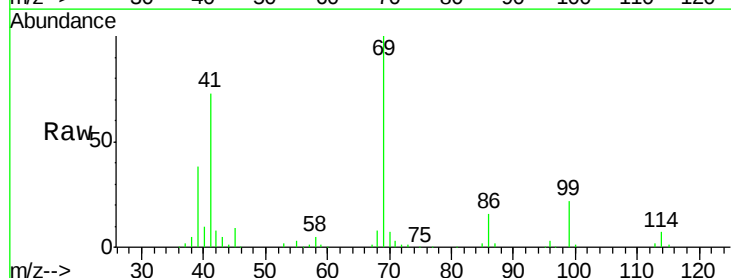
Tgt Ion: 69 Resp: 259707

Ion Ratio Lower Upper

69 100

41 73.1 55.2 82.8

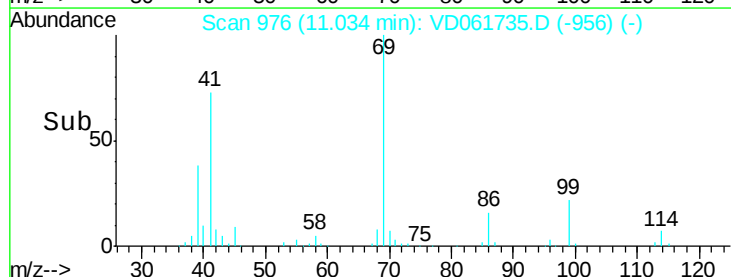
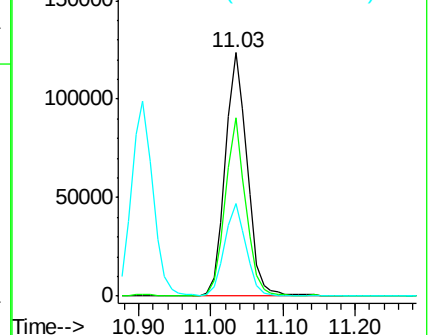
39 38.0 28.6 43.0

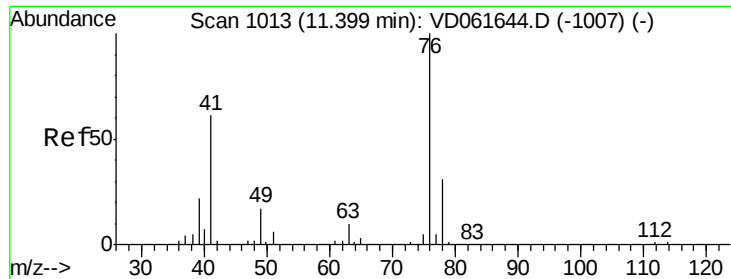


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





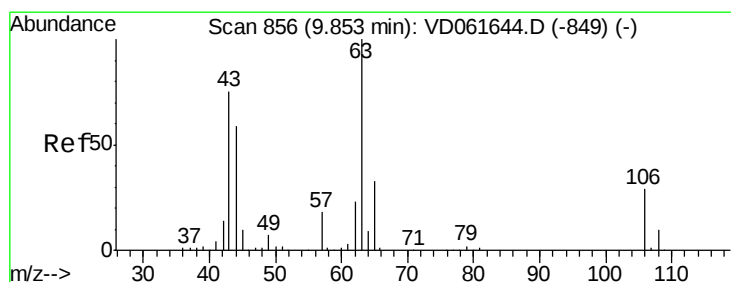
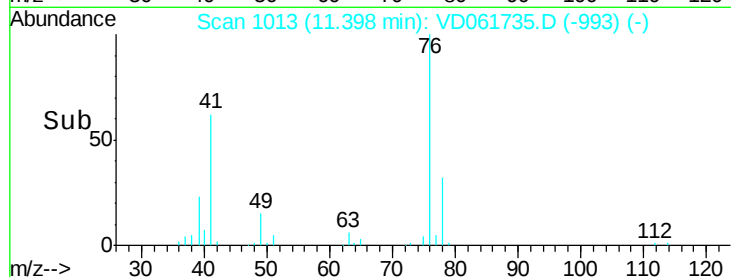
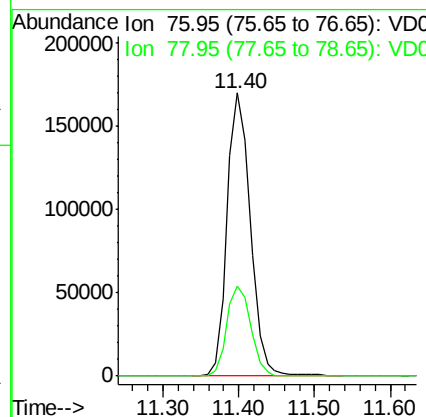
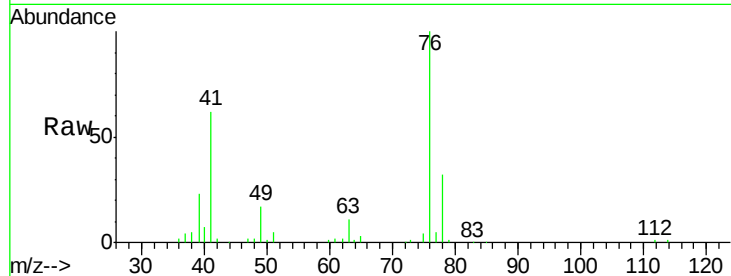
#57
 1,3-Dichloropropane
 Concen: 56.012 ug/l
 RT: 11.40 min Scan# 1013
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 362275
 Ion Ratio Lower Upper
 76 100
 78 31.6 24.5 36.7

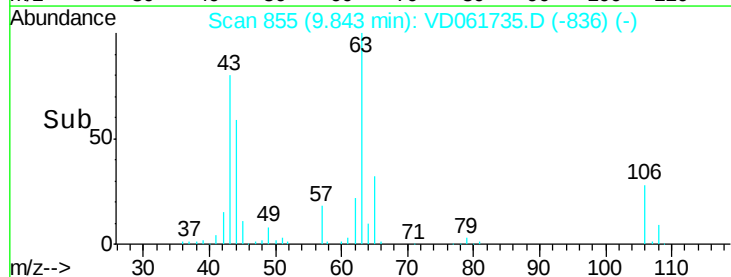
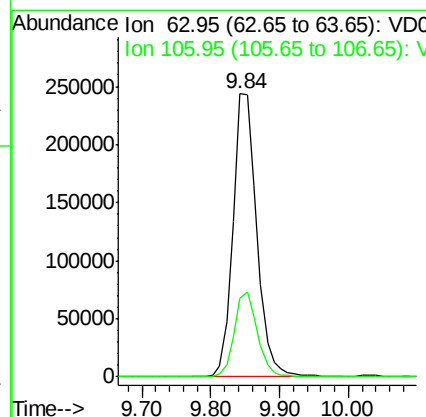
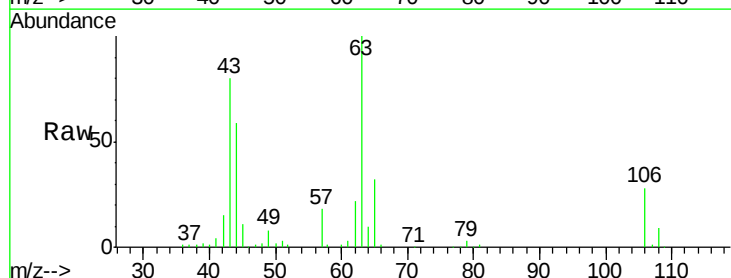
Manual Integrations
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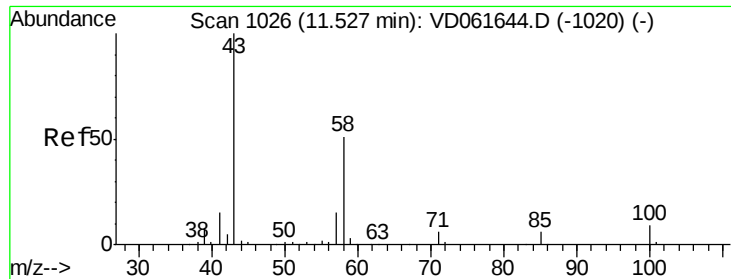
MMDadoda
 4/12/2019 11:42:37 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 264.904 ug/l
 RT: 9.84 min Scan# 855
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 63 Resp: 582365
 Ion Ratio Lower Upper
 63 100
 106 27.7 23.0 34.6





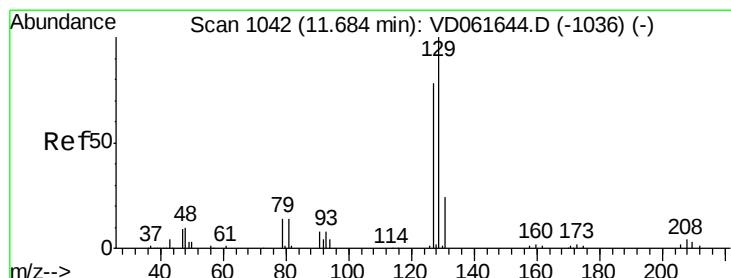
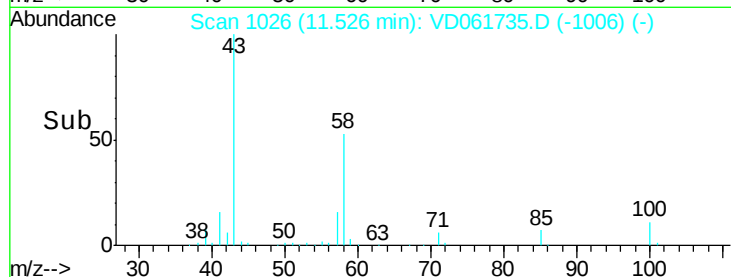
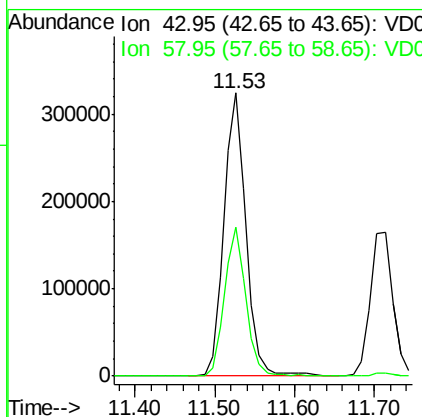
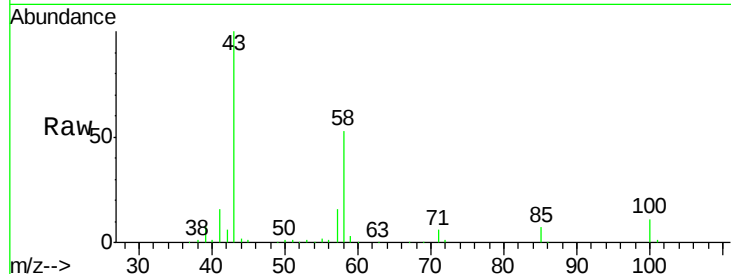
#59
2-Hexanone
Concen: 268.135 ug/l
RT: 11.53 min Scan# 1026
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 632369
Ion Ratio Lower Upper
43 100
58 52.7 25.6 76.8

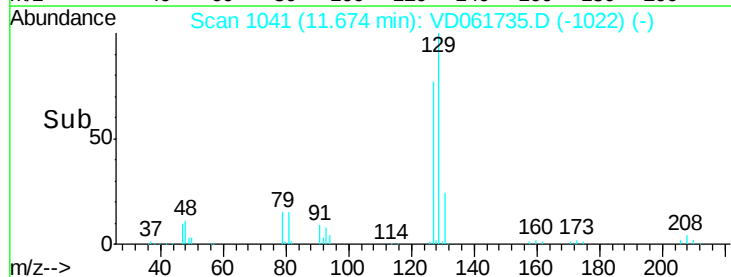
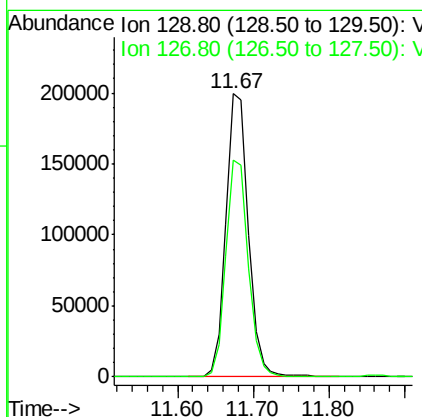
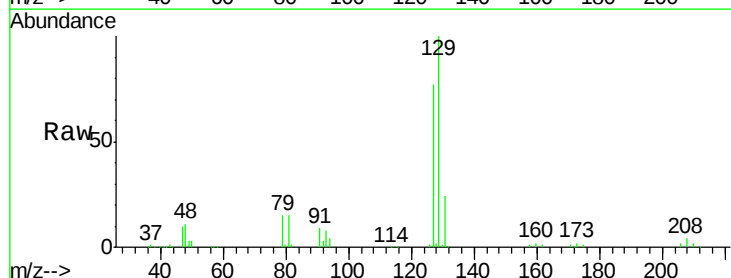
Manual Integrations
APPROVED

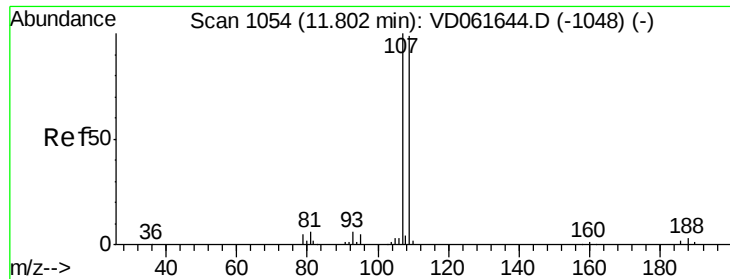
MMDadoda
4/12/2019 11:42:37 AM



#60
Dibromochloromethane
Concen: 58.339 ug/l
RT: 11.67 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 129 Resp: 407074
Ion Ratio Lower Upper
129 100
127 76.7 38.8 116.4





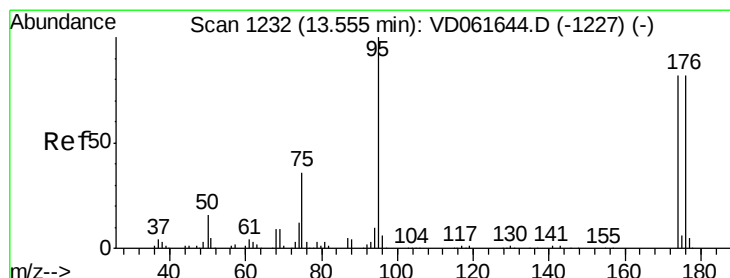
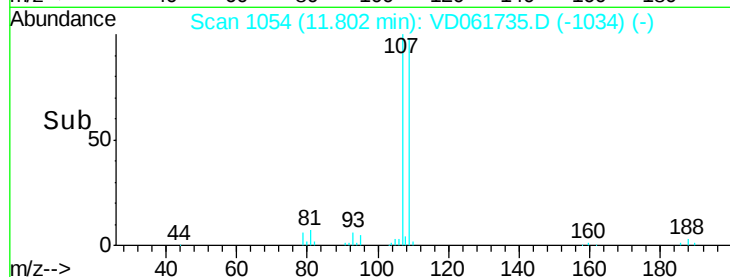
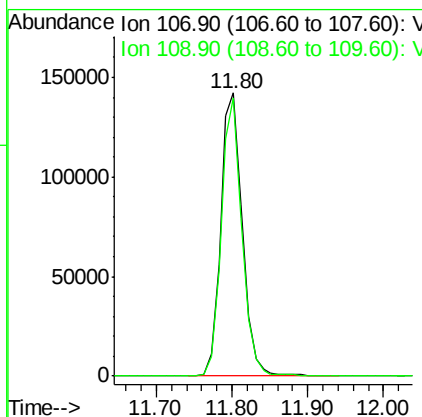
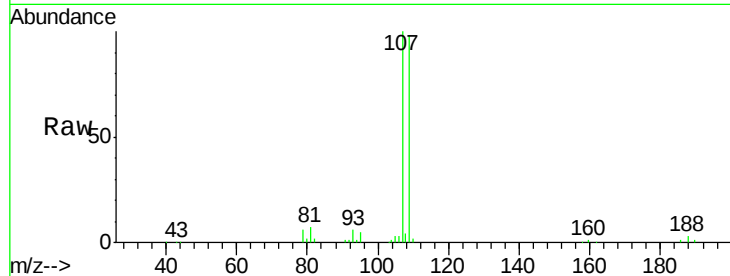
#61
 1,2-Dibromoethane
 Concen: 54.395 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	98.3	79.2	118.8

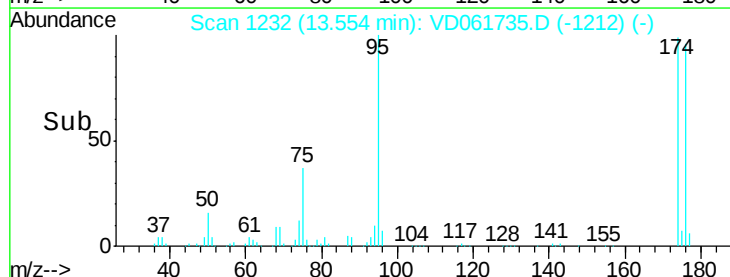
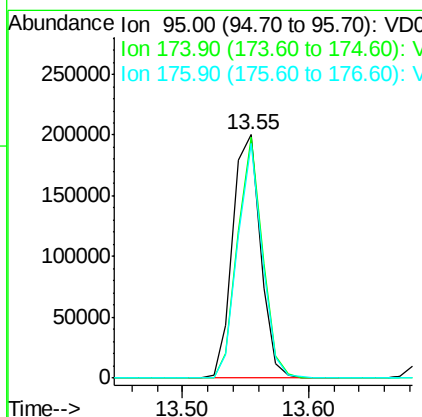
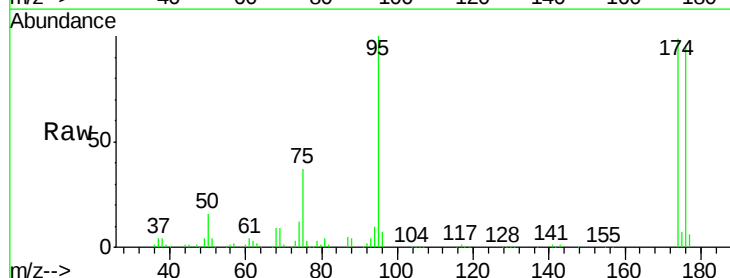
Manual Integrations
 APPROVED

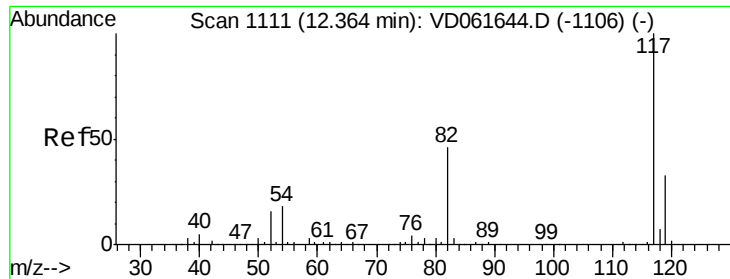
MMDadoda
 4/12/2019 11:42:37 AM



#62
 4-Bromofluorobenzene
 Concen: 54.395 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. 0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	98.8	0.0	164.6
176	96.4	0.0	165.0





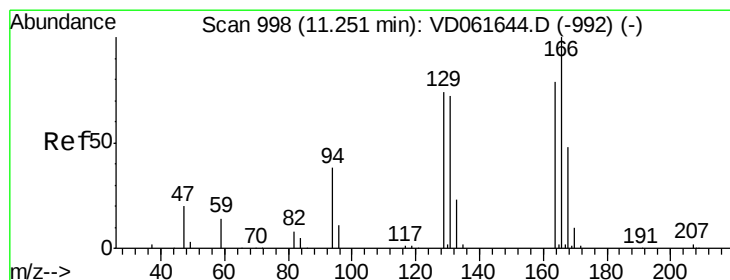
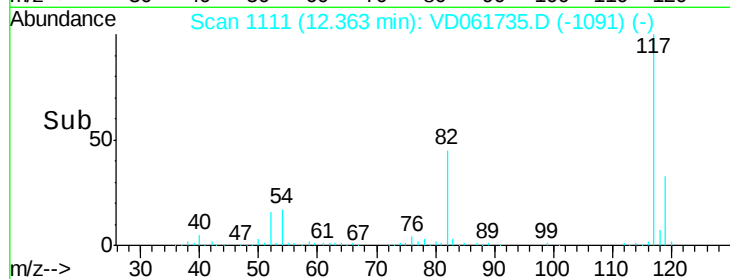
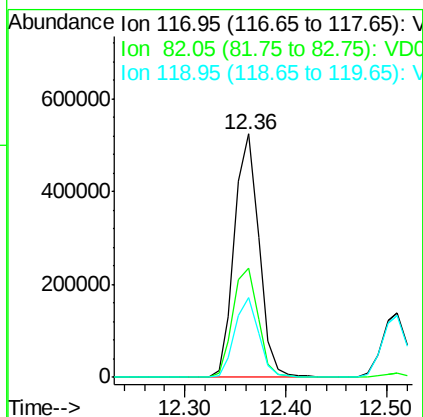
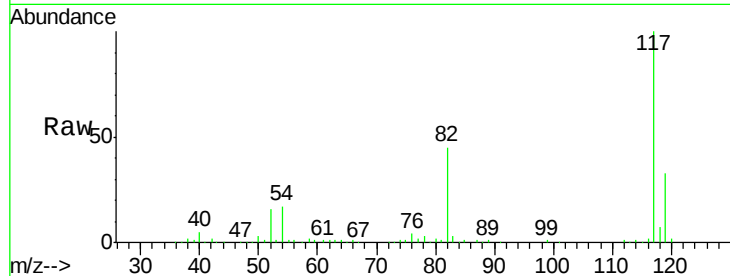
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.36 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	44.8	36.8	55.2
119	32.8	26.1	39.1

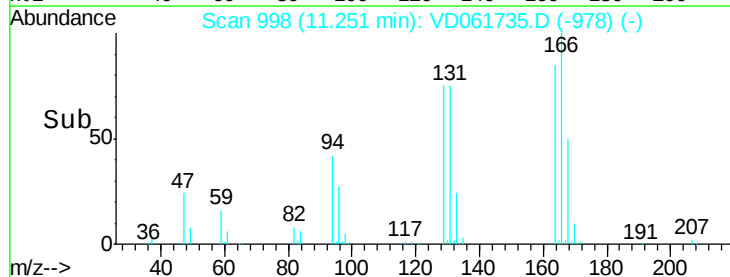
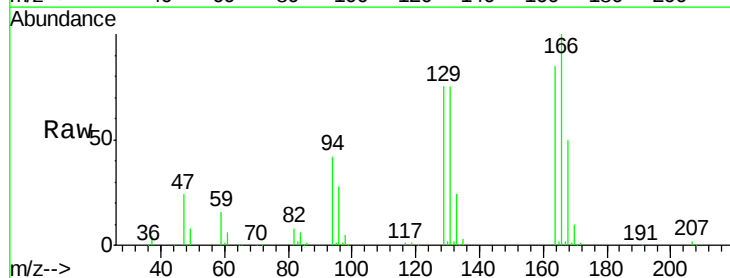
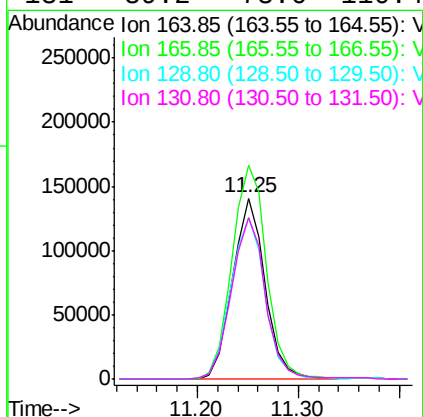
Manual Integrations
APPROVED

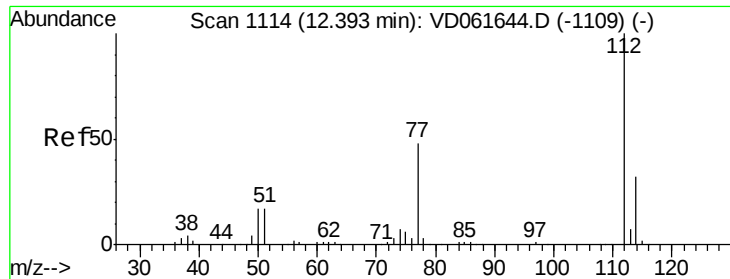
MMDadoda
4/12/2019 11:42:37 AM



#64
Tetrachloroethene
Concen: 45.518 ug/l
RT: 11.25 min Scan# 998
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.1	101.8	152.8
129	89.1	75.4	113.0
131	89.2	73.6	110.4





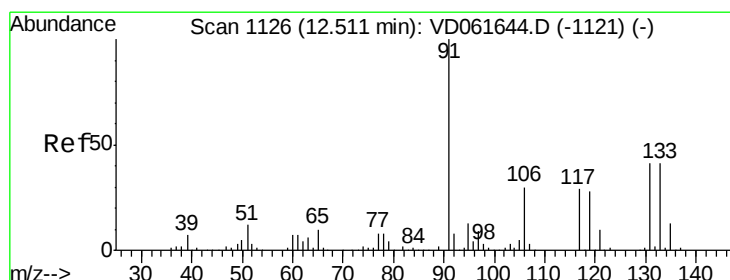
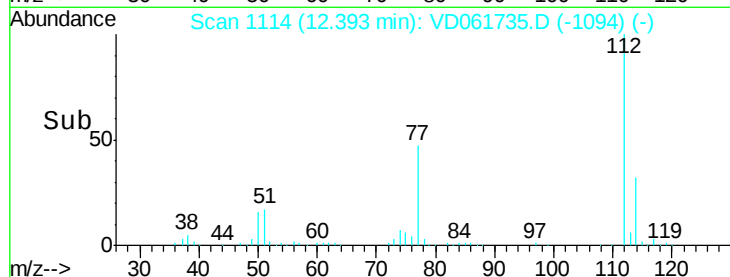
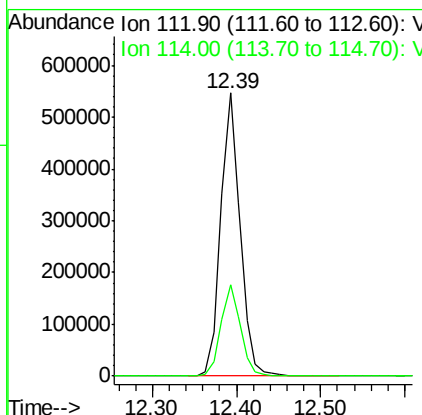
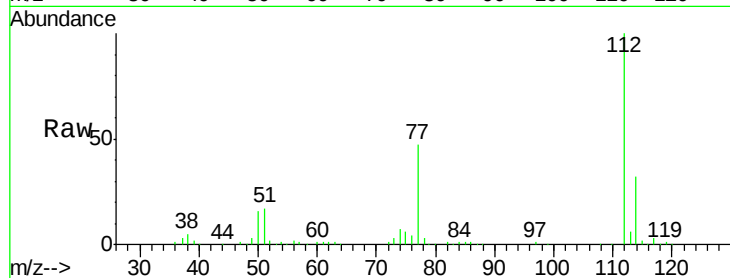
#65
Chlorobenzene
Concen: 49.284 ug/l
RT: 12.39 min Scan# 1114
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 872139
Ion Ratio Lower Upper
112 100
114 32.3 25.6 38.4

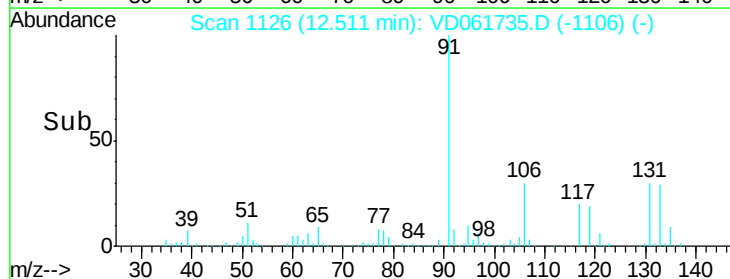
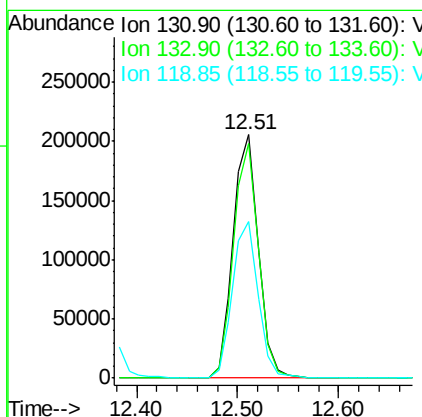
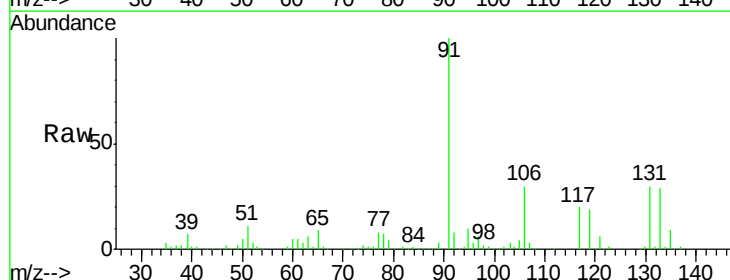
Manual Integrations
APPROVED

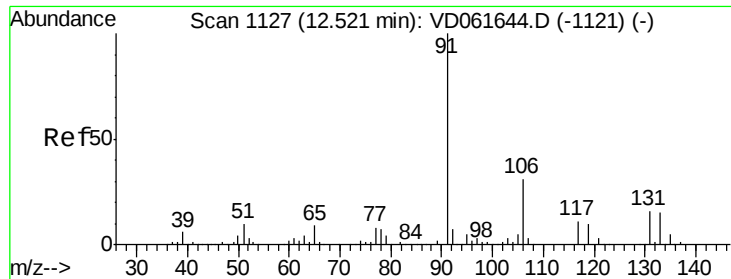
MMDadoda
4/12/2019 11:42:37 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 52.474 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:131 Resp: 357327
Ion Ratio Lower Upper
131 100
133 96.4 49.5 148.3
119 64.3 34.7 104.1





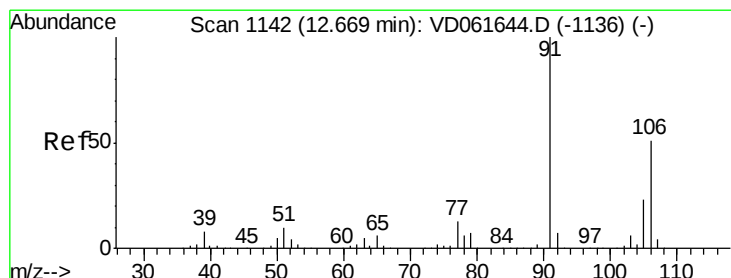
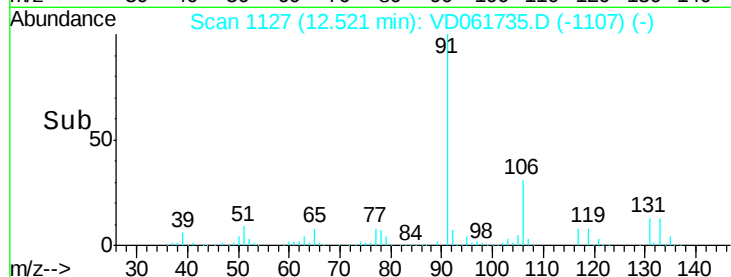
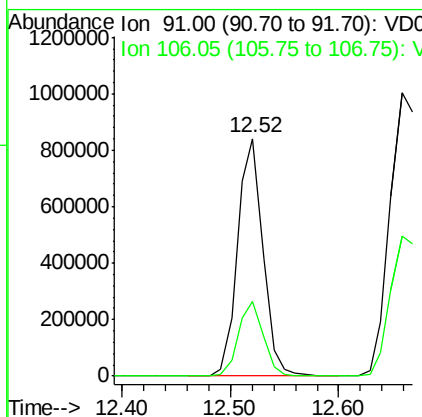
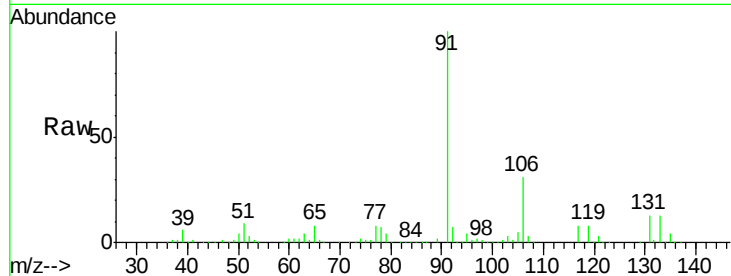
#67
Ethyl Benzene
Concen: 50.783 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1368478
Ion Ratio Lower Upper
91 100
106 31.4 24.6 37.0

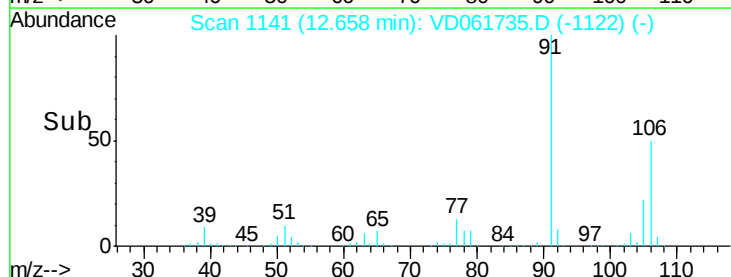
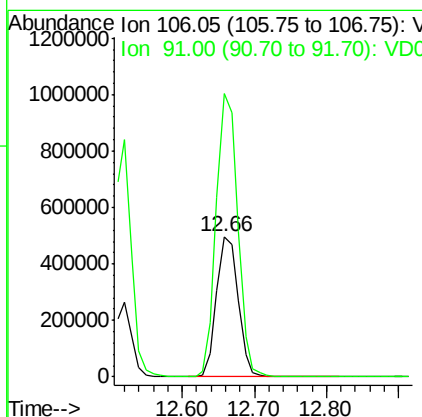
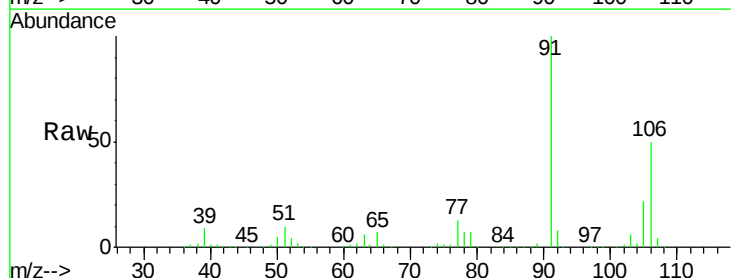
Manual Integrations
APPROVED

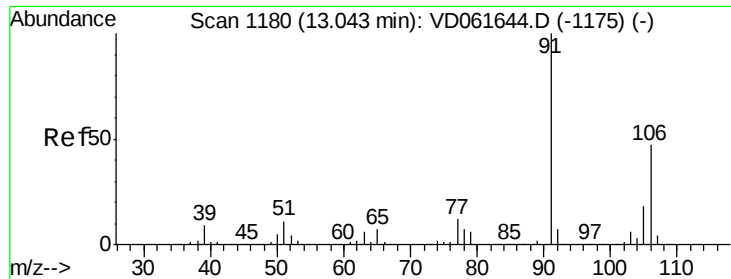
MMDadoda
4/12/2019 11:42:37 AM



#68
m/p-Xylenes
Concen: 99.014 ug/l
RT: 12.66 min Scan# 1141
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:106 Resp: 1028655
Ion Ratio Lower Upper
106 100
91 202.0 156.7 235.1





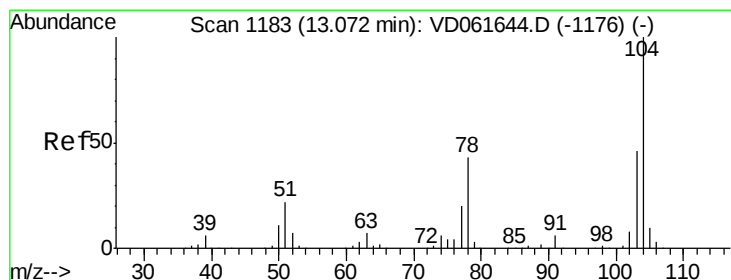
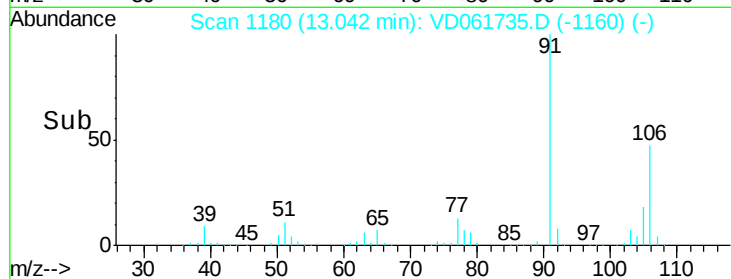
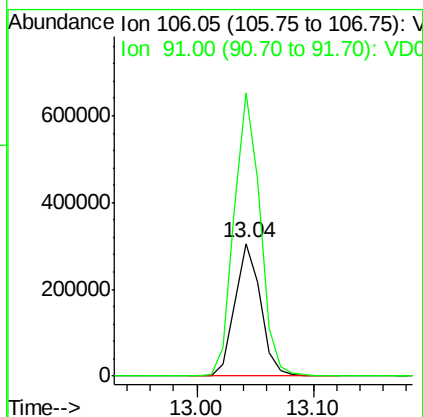
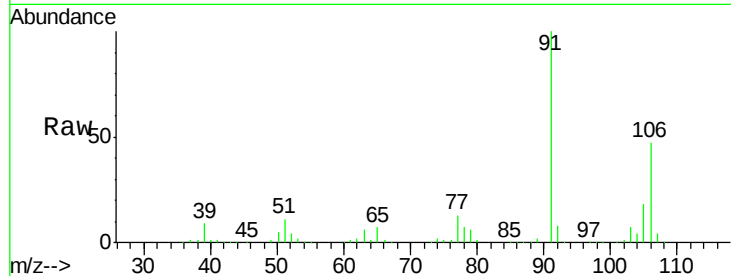
#69
o-Xylene
Concen: 46.776 ug/l
RT: 13.04 min Scan# 1180
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 469091
Ion Ratio Lower Upper
106 100
91 213.6 107.3 321.9

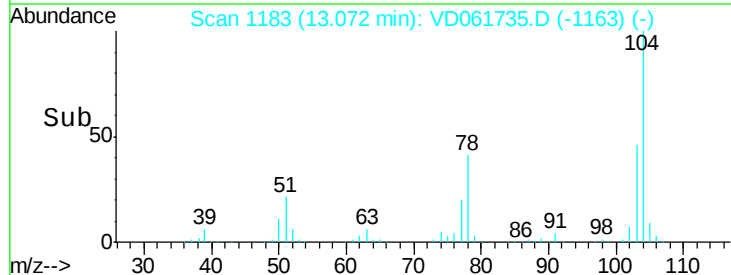
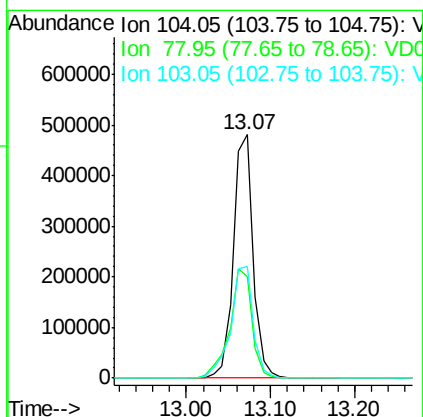
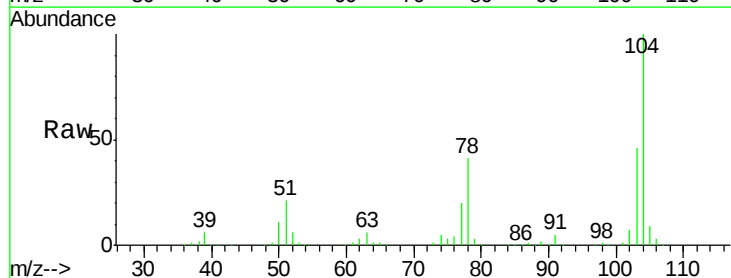
Manual Integrations
APPROVED

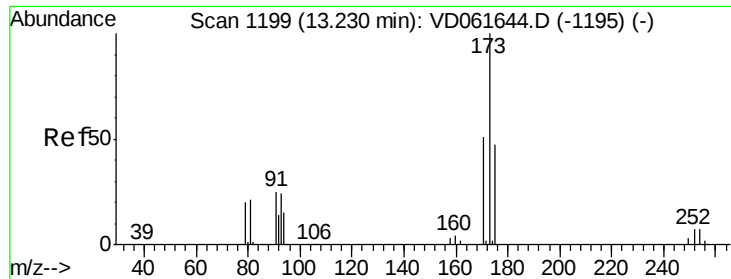
MMDadoda
4/12/2019 11:42:37 AM



#70
Styrene
Concen: 45.392 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:104 Resp: 777405
Ion Ratio Lower Upper
104 100
78 41.5 34.2 51.4
103 45.9 37.2 55.8





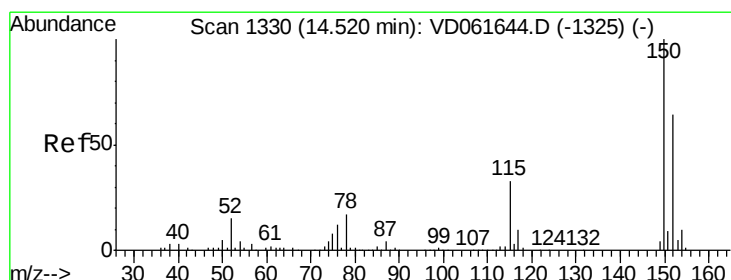
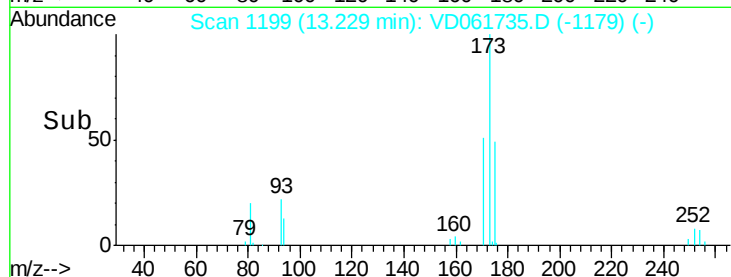
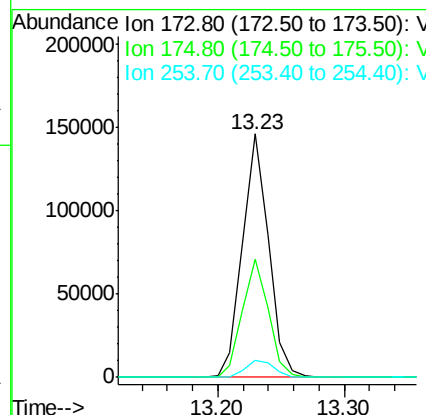
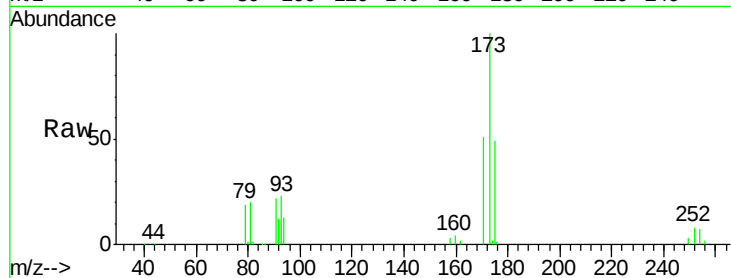
#71
Bromoform
Concen: 49.613 ug/l
RT: 13.23 min Scan# 1199
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	23.7	71.1
254	7.1	5.8	8.6

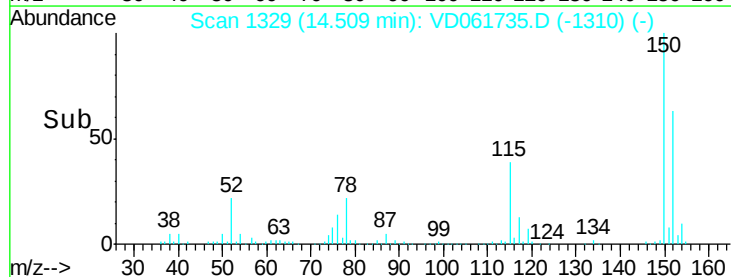
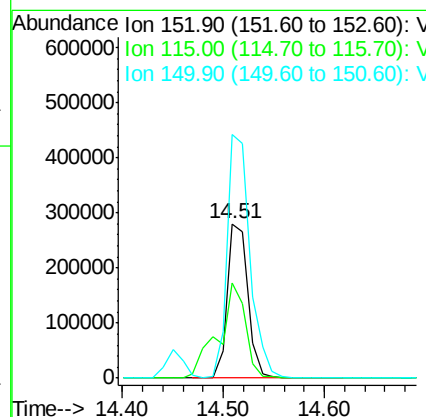
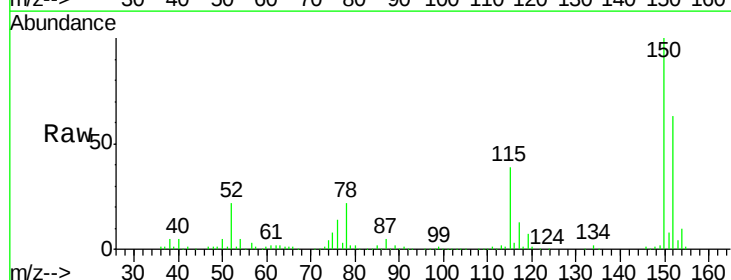
Manual Integrations
APPROVED

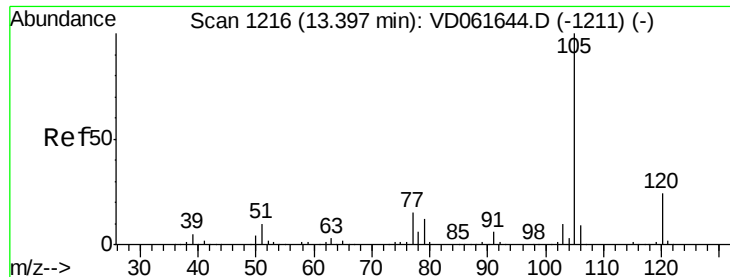
MMDadoda
4/12/2019 11:42:37 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.51 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.0	26.4	79.2
150	157.7	0.0	320.6





#73

Isopropylbenzene

Concen: 47.270 ug/l

RT: 13.40 min Scan# 1216

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1256774

Ion Ratio Lower Upper

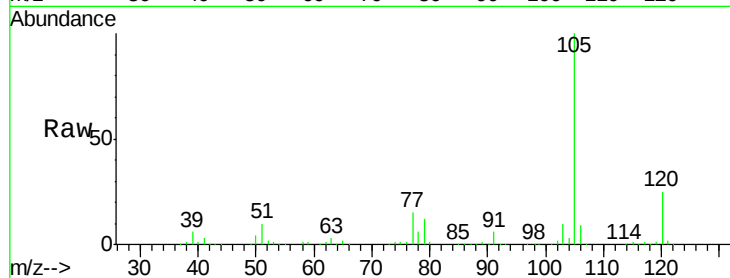
105 100

120 24.7 12.2 36.4

Manual Integrations
APPROVED

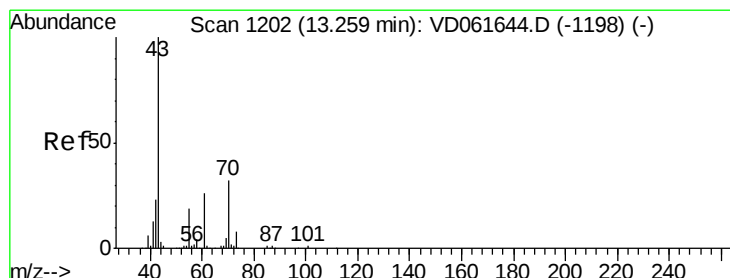
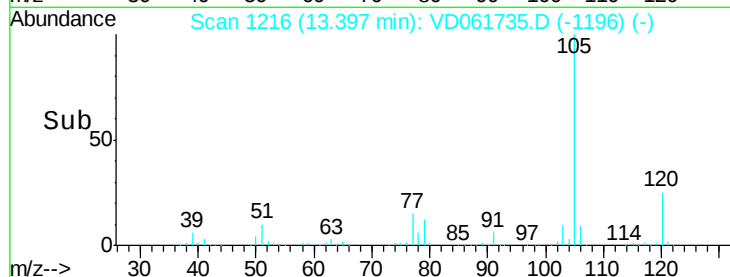
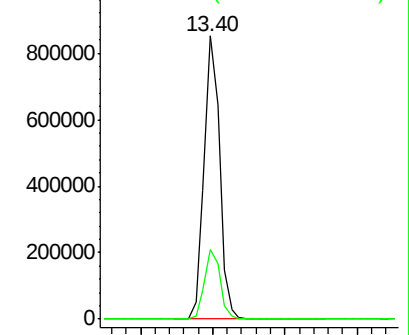
MMDadoda

4/12/2019 11:42:37 AM



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 46.634 ug/l

RT: 13.26 min Scan# 1202

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion: 43 Resp: 336879

Ion Ratio Lower Upper

43 100

70 31.7 25.4 38.2

55 19.0 15.0 22.4

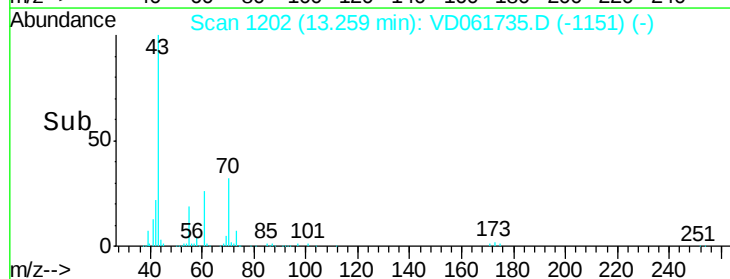
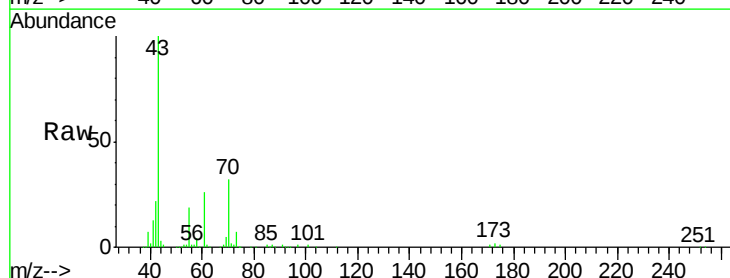
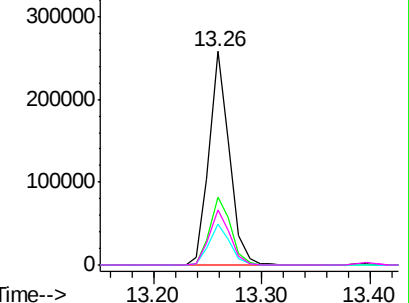
61 26.0 20.9 31.3

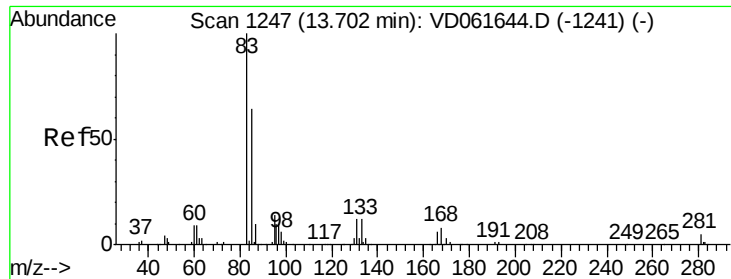
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 48.609 ug/l

RT: 13.69 min Scan# 1246

Delta R.T. -0.01 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

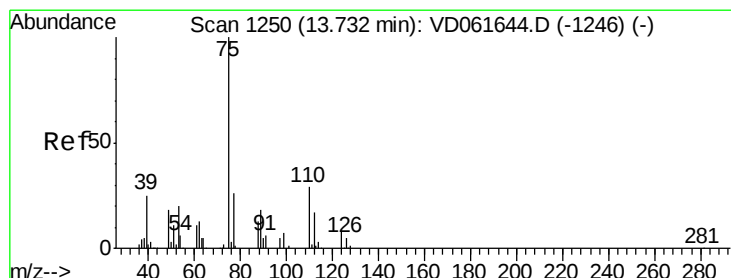
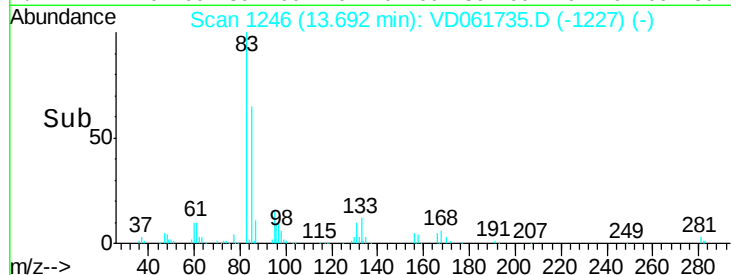
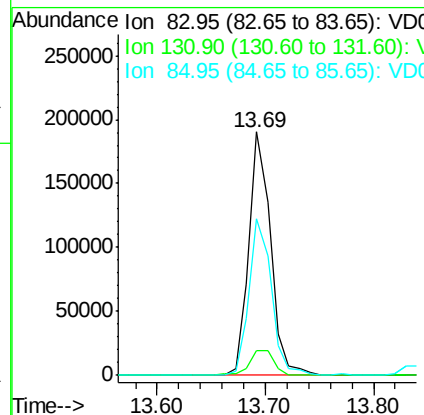
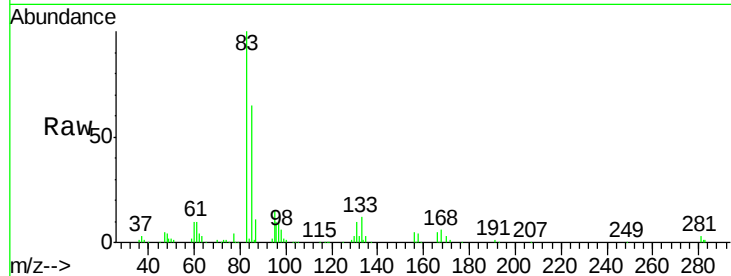
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	267224
Ion Ratio	Lower	Upper	
83	100		
131	10.1	5.9	17.6
85	64.6	32.0	96.2

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#76

1,2,3-Trichloropropane

Concen: 50.129 ug/l

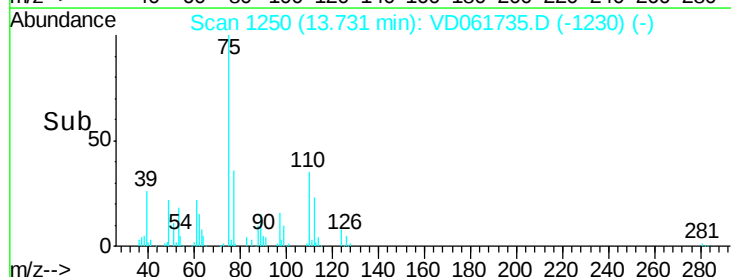
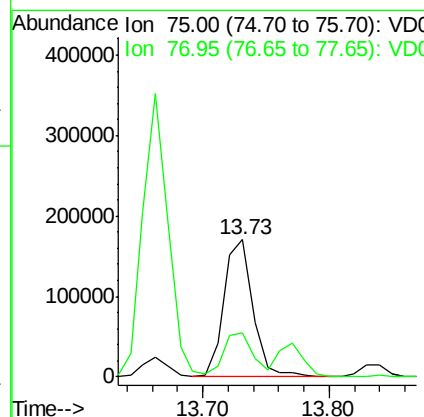
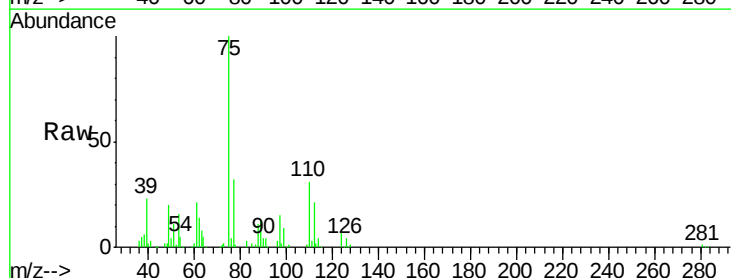
RT: 13.73 min Scan# 1250

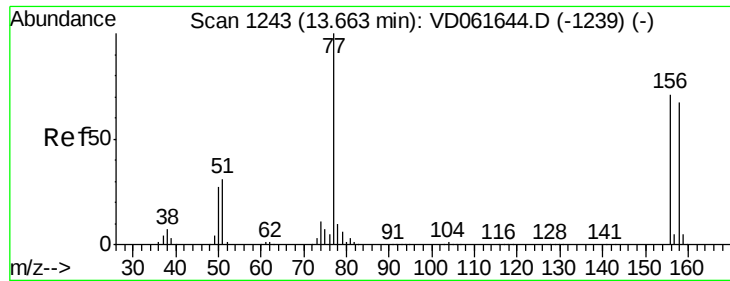
Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Tgt Ion:	75	Resp:	272137
Ion Ratio	Lower	Upper	
75	100		
77	32.5	15.7	47.1





#77

Bromobenzene

Concen: 50.963 ug/l

RT: 13.66 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD061735.D

Acq: 11 Apr 2019 12:10

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 393296

Ion Ratio Lower Upper

156 100

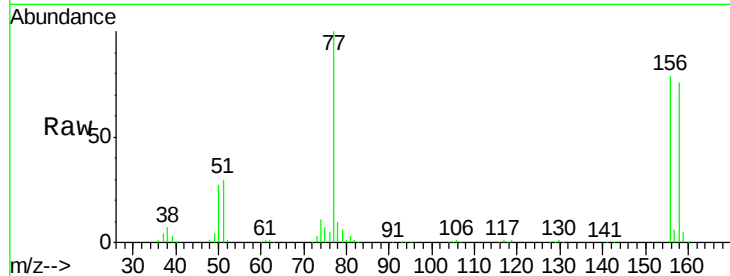
77 126.8 70.3 210.8

158 96.4 47.4 142.2

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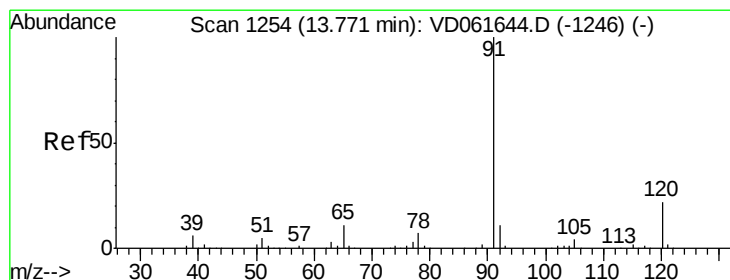
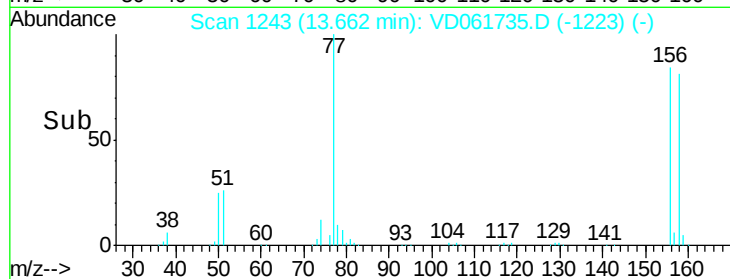
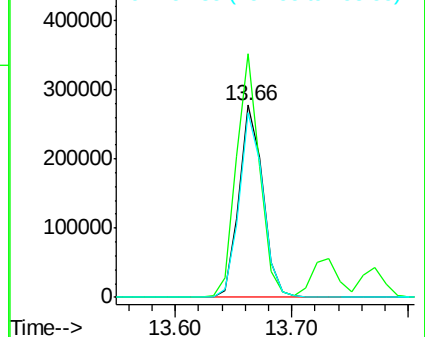
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 49.422 ug/l

RT: 13.77 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VD061735.D

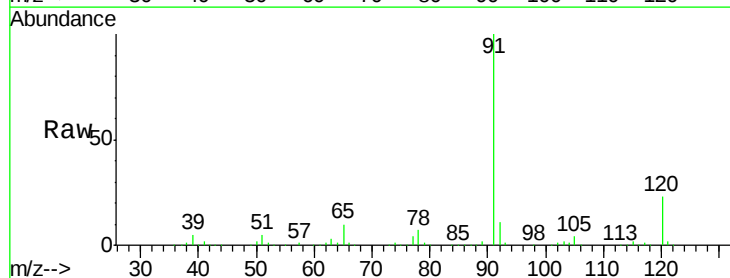
Acq: 11 Apr 2019 12:10

Tgt Ion: 91 Resp: 1571815

Ion Ratio Lower Upper

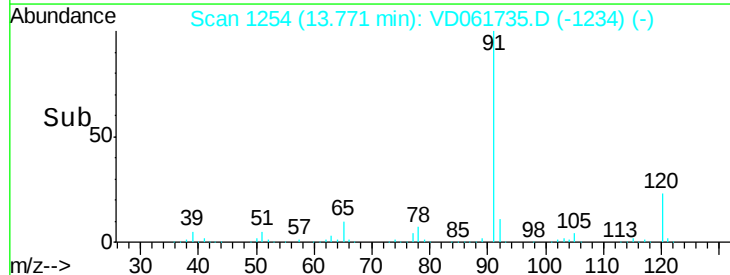
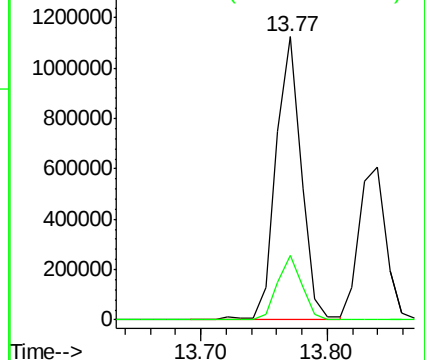
91 100

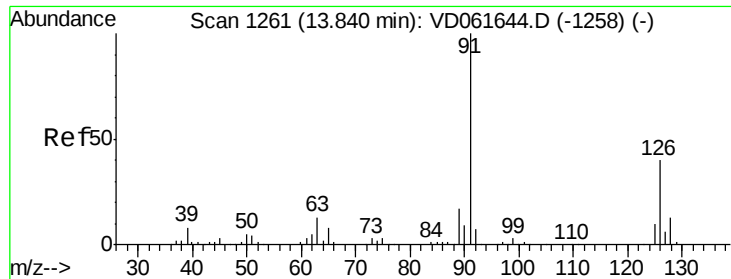
120 22.8 10.8 32.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





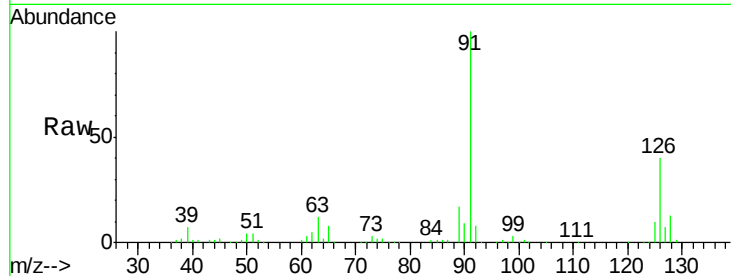
#79
 2-Chlorotoluene
 Concen: 49.162 ug/l
 RT: 13.84 min Scan# 1261
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

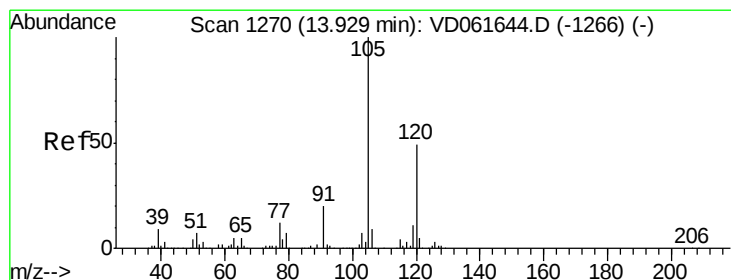
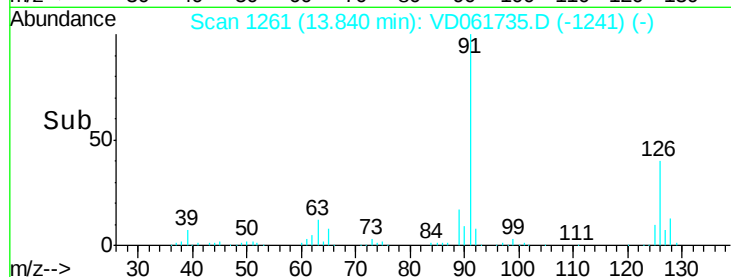
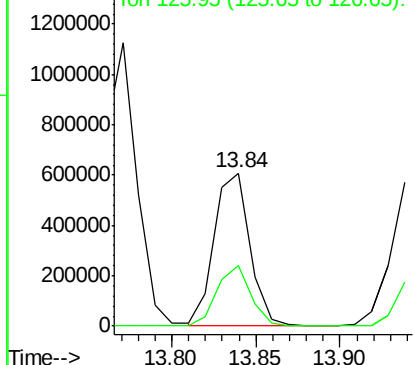
Tot Ion: 91 Resp: 894118
 Ion Ratio Lower Upper
 91 100
 126 39.5 20.0 59.9

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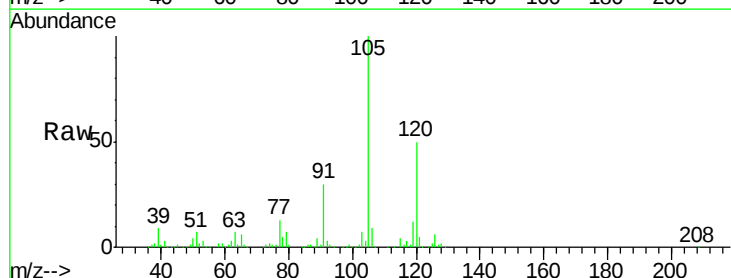


Abundance Ion 91.00 (90.70 to 91.70): V
 Ion 125.95 (125.65 to 126.65): V

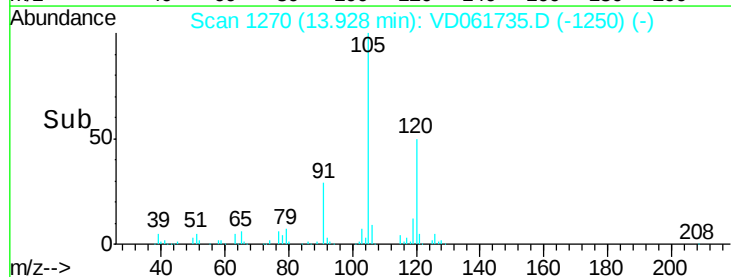
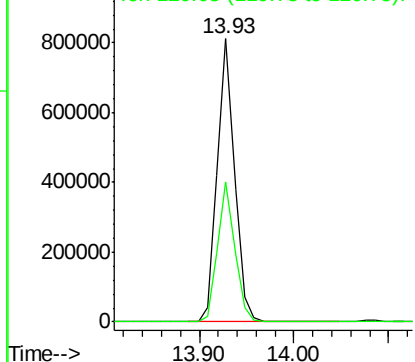


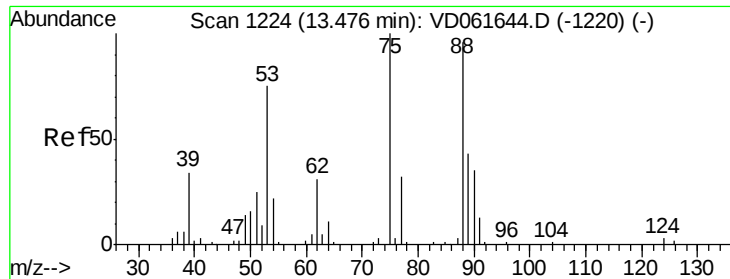
#80
 1,3,5-Trimethylbenzene
 Concen: 48.827 ug/l
 RT: 13.93 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion: 105 Resp: 1030379
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V





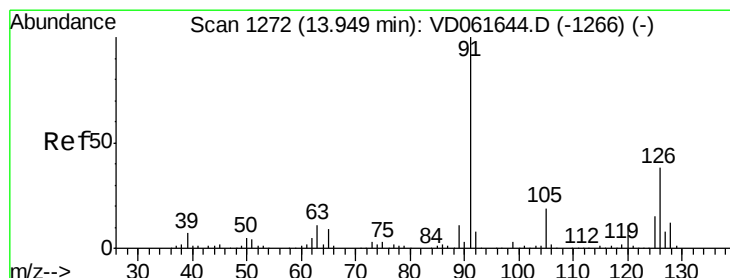
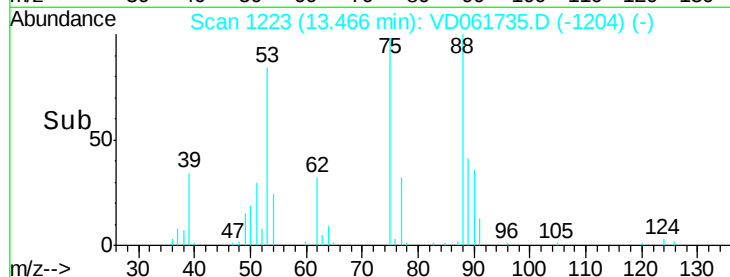
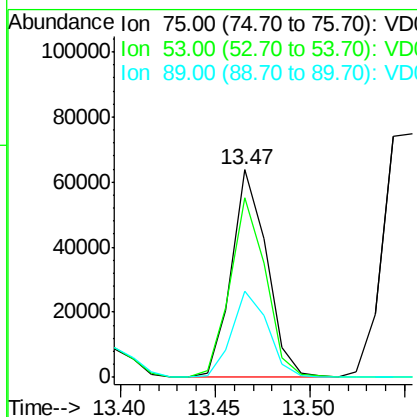
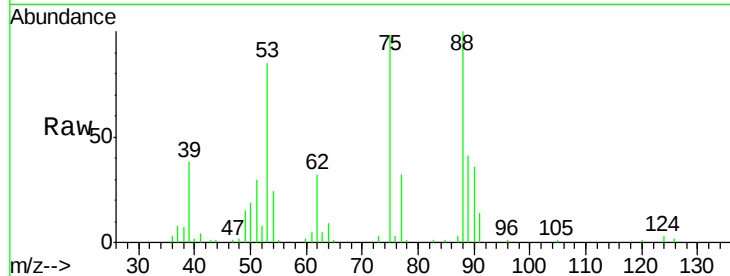
#81
trans-1,4-Dichloro-2-butene
Concen: 50.137 ug/l
RT: 13.47 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	86.6	60.2	90.2
89	41.6	34.2	51.2

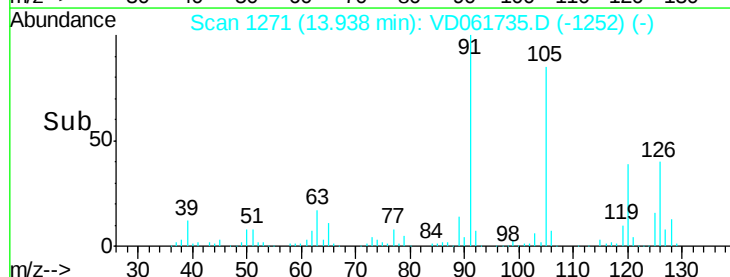
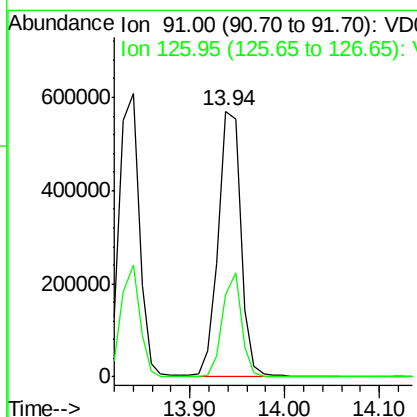
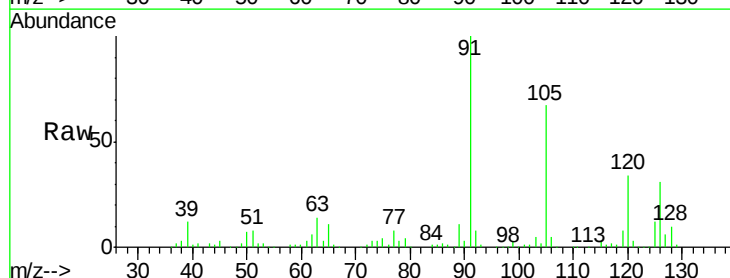
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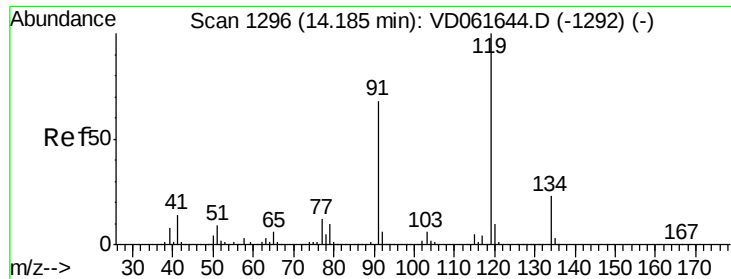
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#82
4-Chlorotoluene
Concen: 47.409 ug/l
RT: 13.94 min Scan# 1271
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
91	100		
126	31.1	19.0	57.0





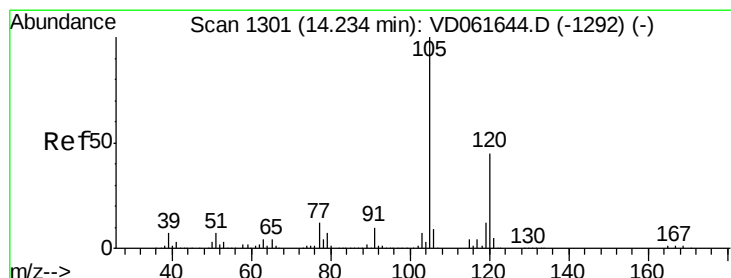
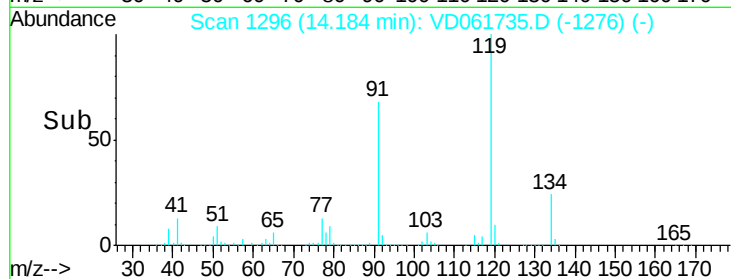
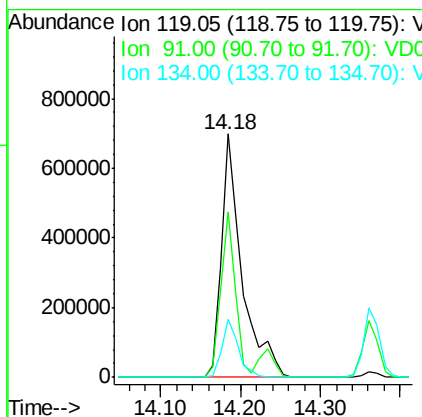
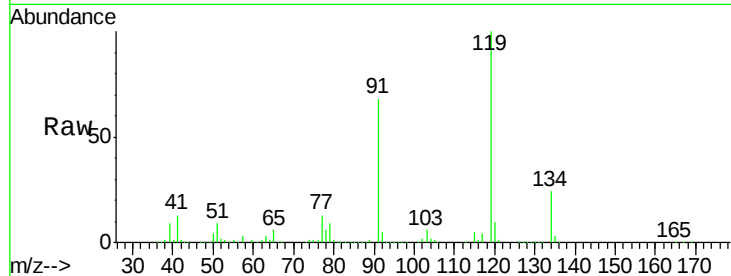
#83
tert-Butylbenzene
Concen: 49.858 ug/l
RT: 14.18 min Scan# 1296
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1268551
Ion Ratio Lower Upper
119 100
91 68.1 33.9 101.6
134 23.8 11.6 34.8

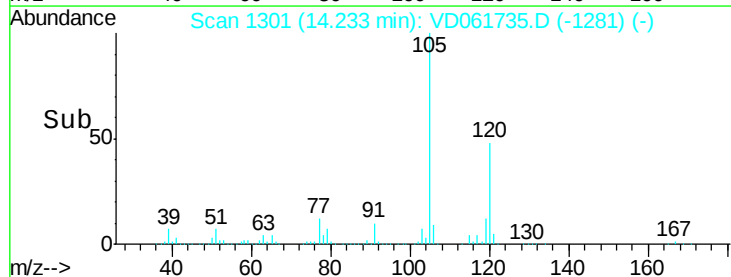
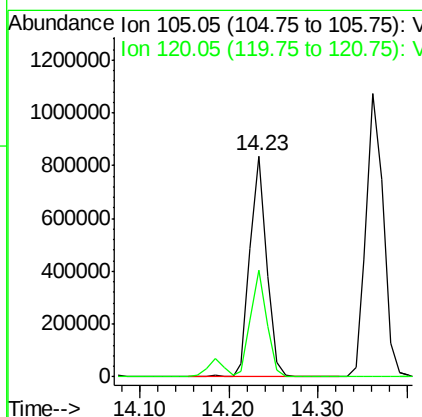
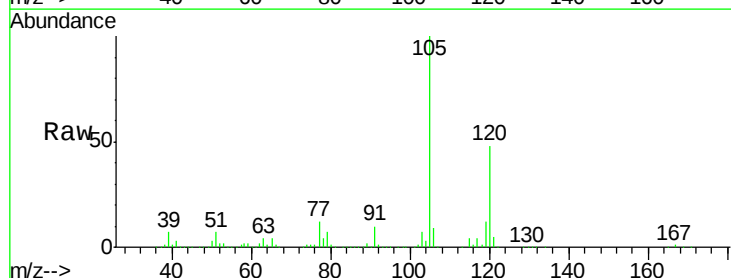
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#84
1,2,4-Trimethylbenzene
Concen: 51.009 ug/l
RT: 14.23 min Scan# 1301
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion:105 Resp: 1086387
Ion Ratio Lower Upper
105 100
120 48.0 22.6 67.8





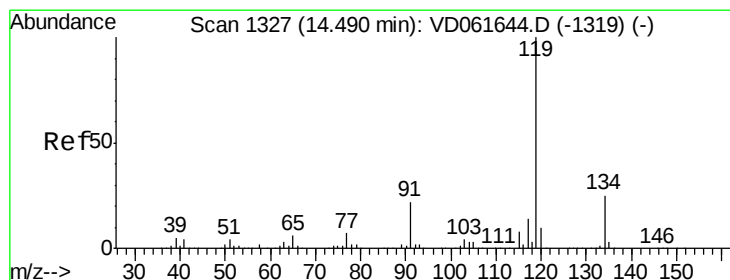
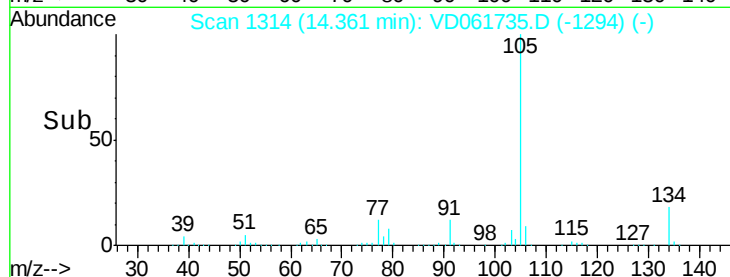
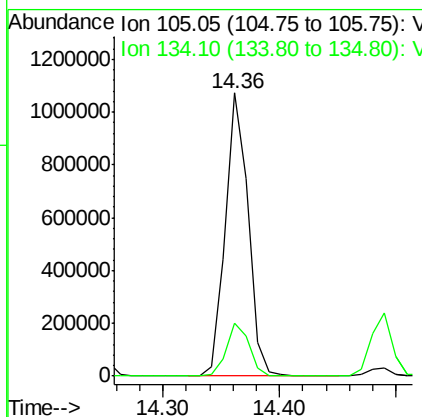
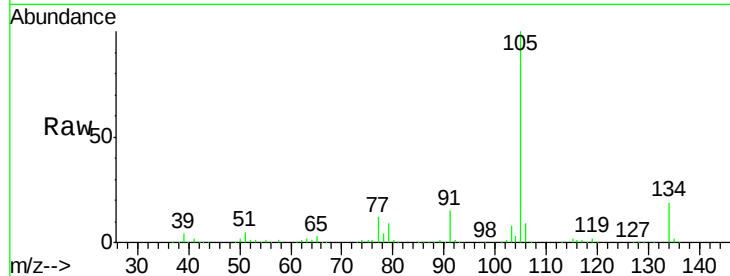
#85
 sec-Butylbenzene
 Concen: 52.593 ug/l
 RT: 14.36 min Scan# 1314
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1445771
 Ion Ratio Lower Upper
 105 100
 134 18.7 8.6 25.7

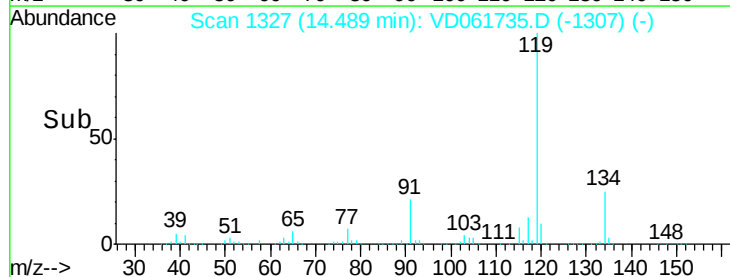
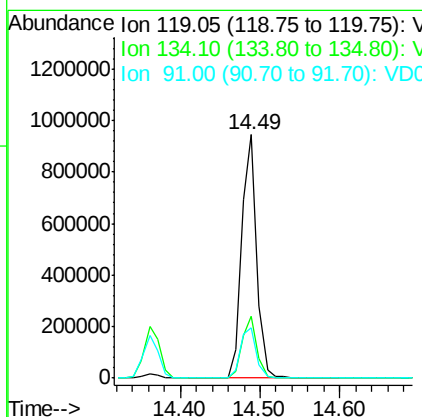
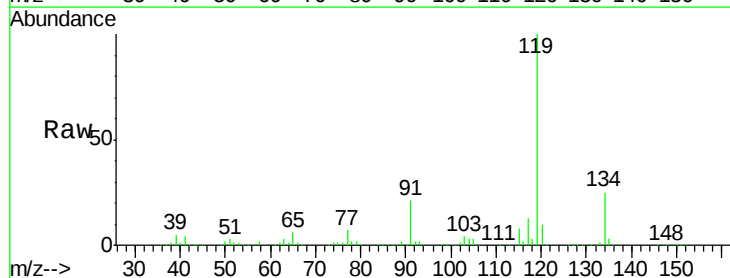
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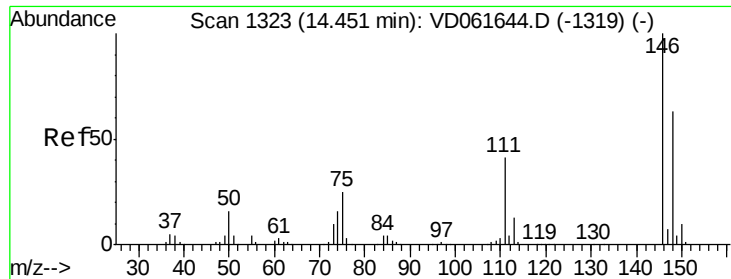
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#86
 p-Isopropyltoluene
 Concen: 51.543 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion:119 Resp: 1229171
 Ion Ratio Lower Upper
 119 100
 134 25.3 12.5 37.5
 91 20.9 11.0 33.0





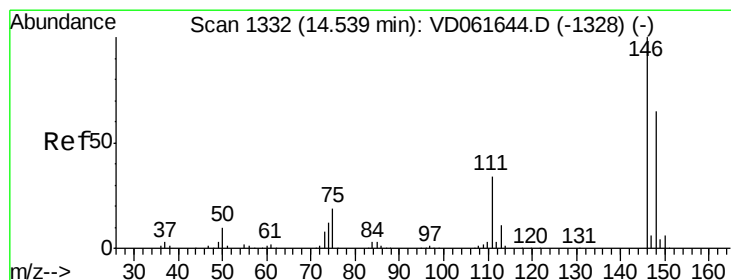
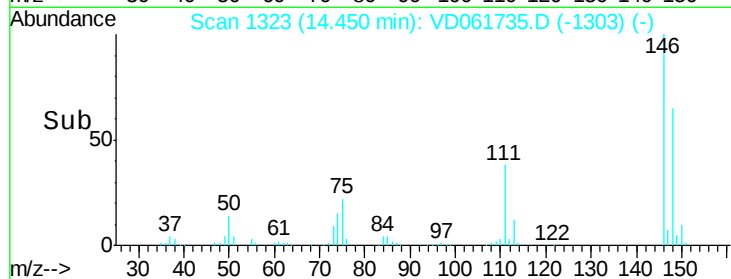
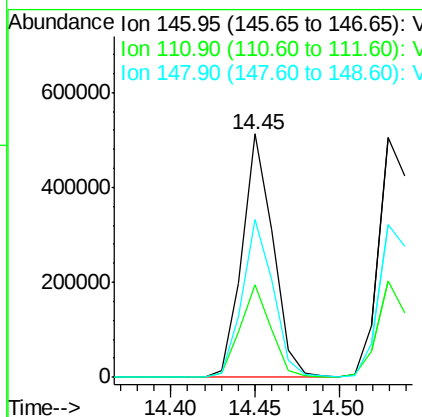
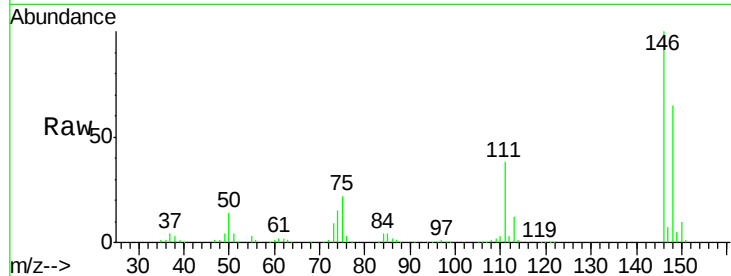
#87
 1,3-Dichlorobenzene
 Concen: 49.241 ug/l
 RT: 14.45 min Scan# 1323
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.2	20.3	61.0
148	65.0	31.7	95.1

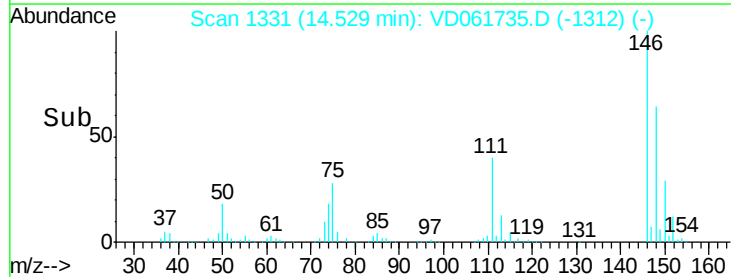
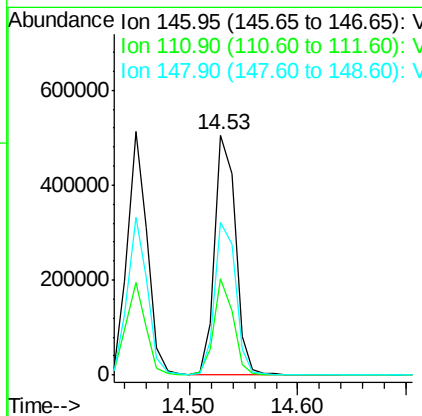
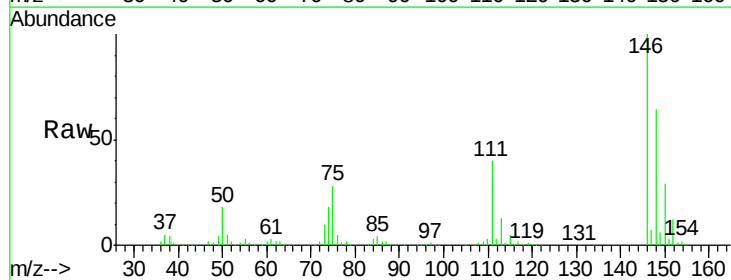
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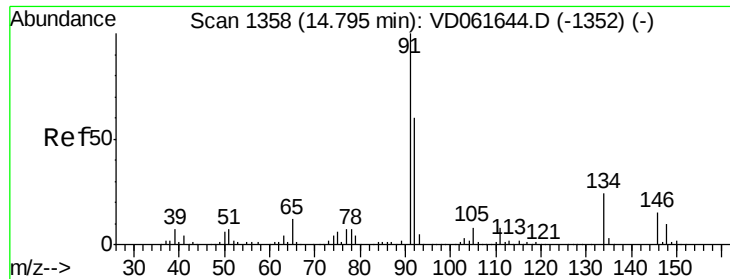
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#88
 1,4-Dichlorobenzene
 Concen: 50.482 ug/l
 RT: 14.53 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.0	17.1	51.2
148	63.8	32.6	97.7





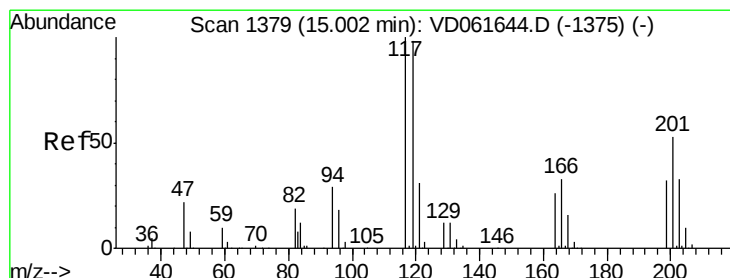
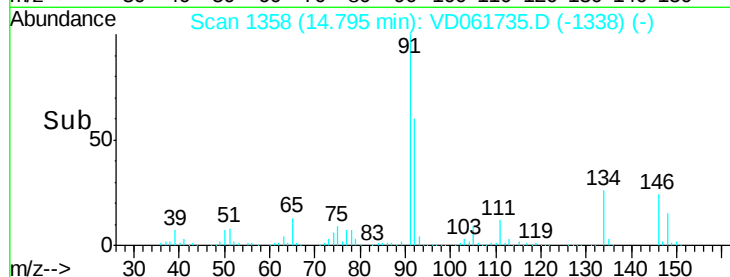
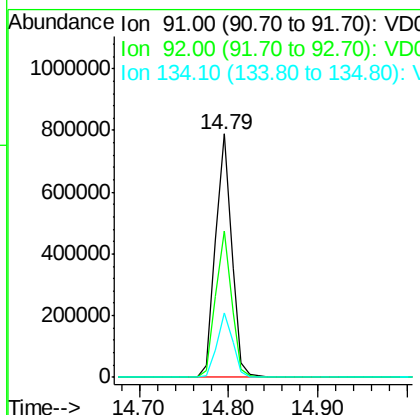
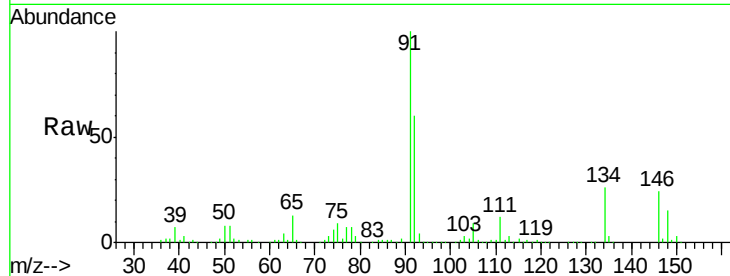
#89
n-Butylbenzene
Concen: 48.607 ug/l
RT: 14.79 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1007513
Ion Ratio Lower Upper
91 100
92 60.1 29.8 89.4
134 26.2 12.2 36.4

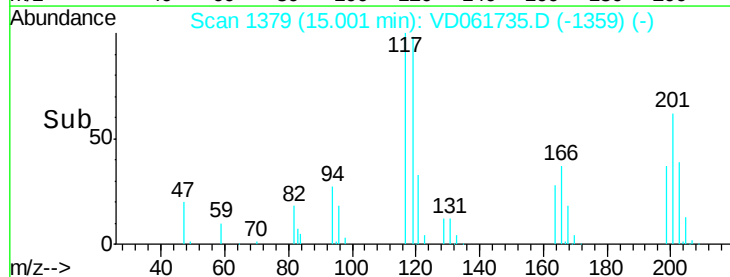
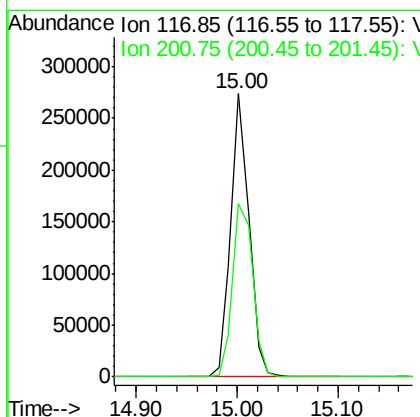
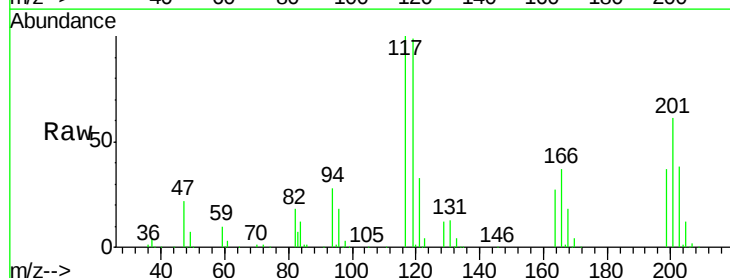
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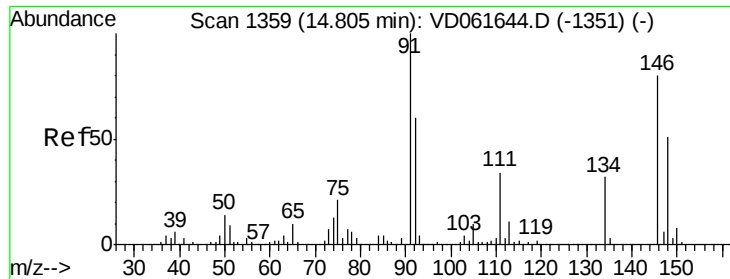
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#90
Hexachloroethane
Concen: 53.301 ug/l
RT: 15.00 min Scan# 1379
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion: 117 Resp: 344896
Ion Ratio Lower Upper
117 100
201 61.2 26.3 78.8





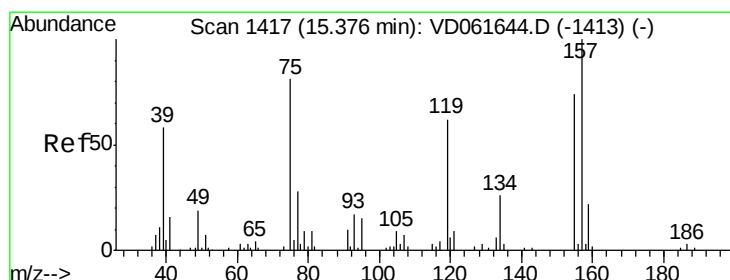
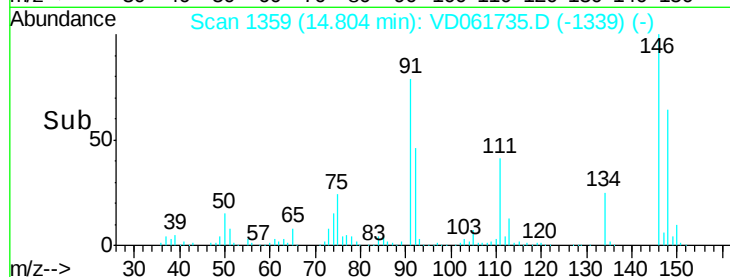
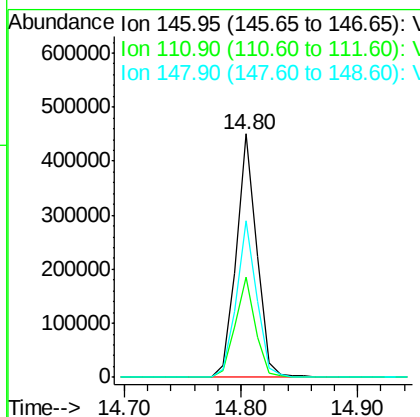
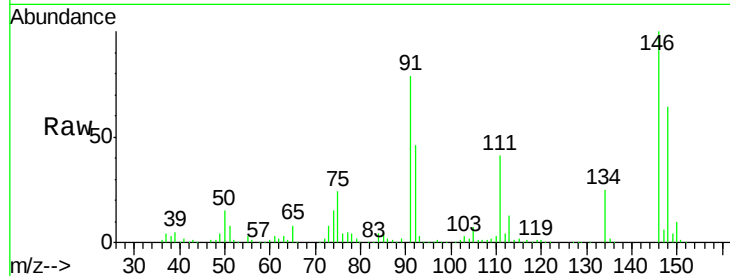
#91
 1,2-Dichlorobenzene
 Concen: 49.959 ug/l
 RT: 14.80 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.1	63.3
148	64.4	31.7	95.1

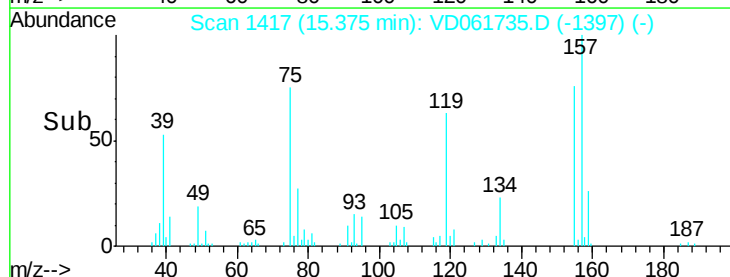
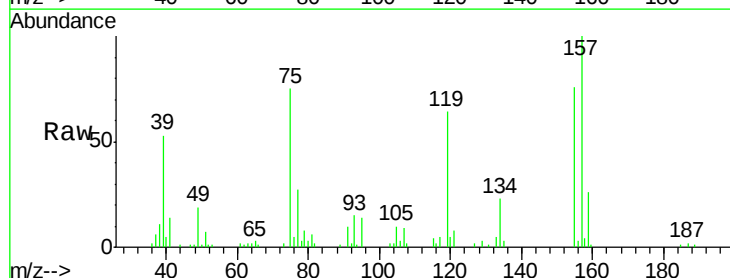
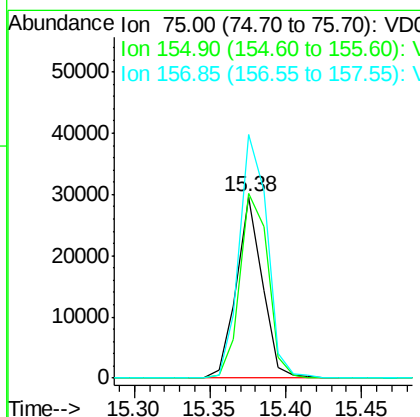
Manual Integrations
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.860 ug/l
 RT: 15.38 min Scan# 1417
 Delta R.T. 0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.6	45.6	136.7
157	134.2	61.4	184.2





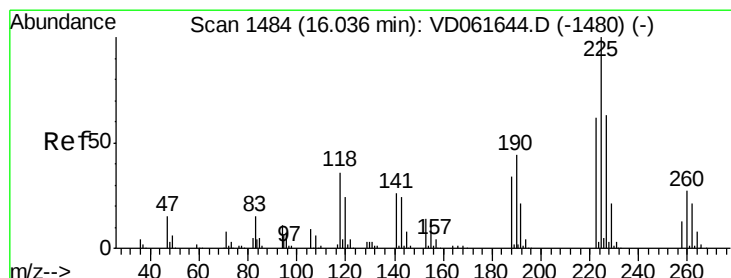
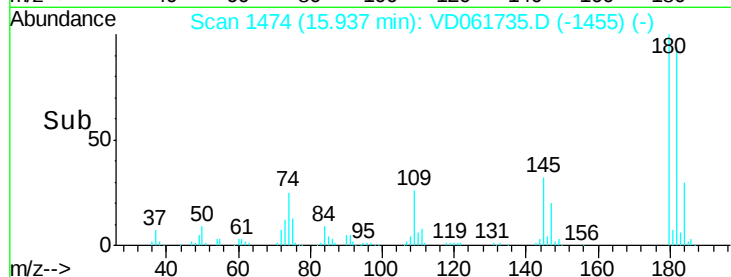
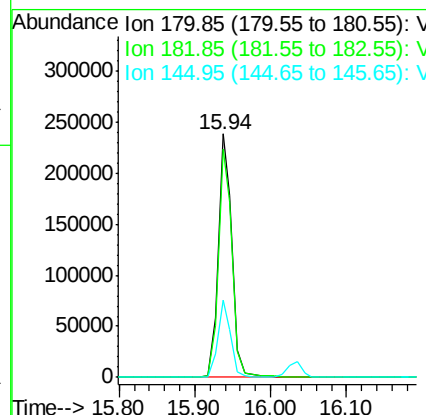
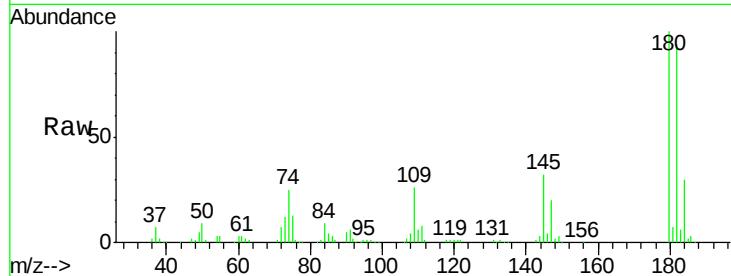
#93
 1,2,4-Trichlorobenzene
 Concen: 55.100 ug/l
 RT: 15.94 min Scan# 1474
 Delta R.T. -0.01 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.8	143.3
145	31.6	13.3	39.8

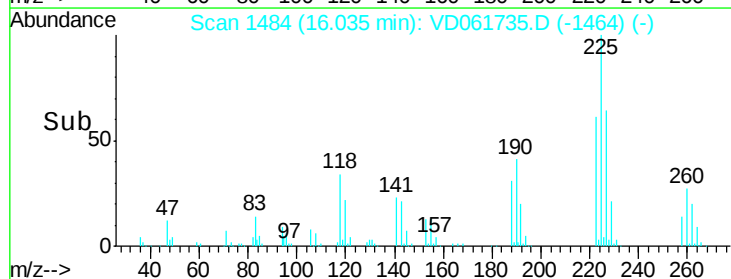
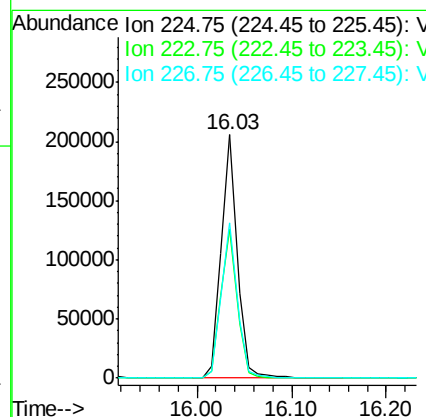
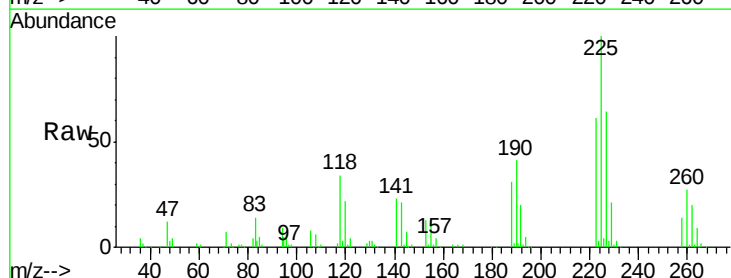
Manual Integrations
 APPROVED

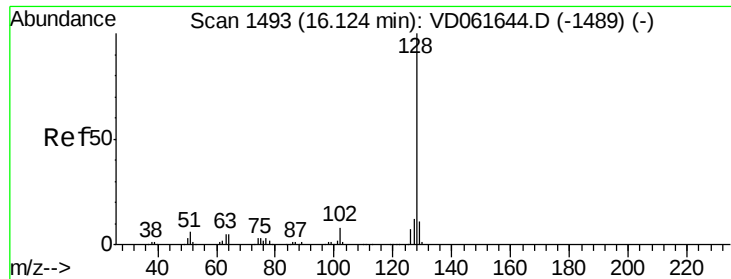
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#94
 Hexachlorobutadiene
 Concen: 56.548 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD061735.D
 Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.3	30.8	92.3
227	64.0	31.5	94.5





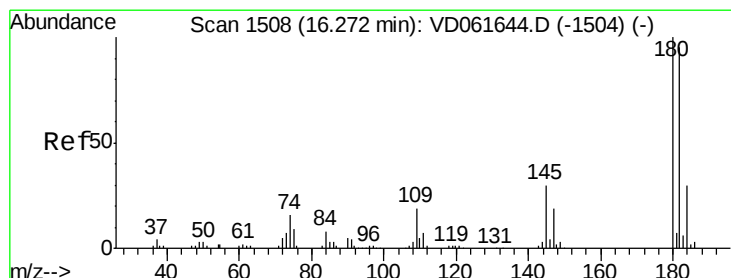
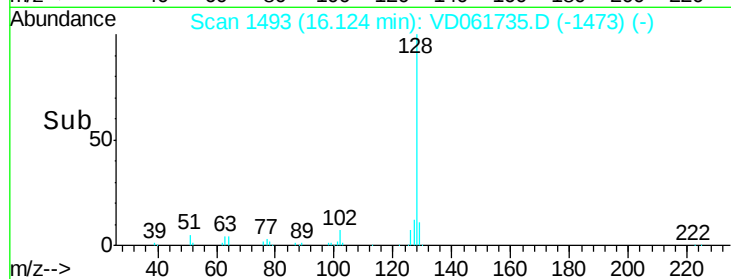
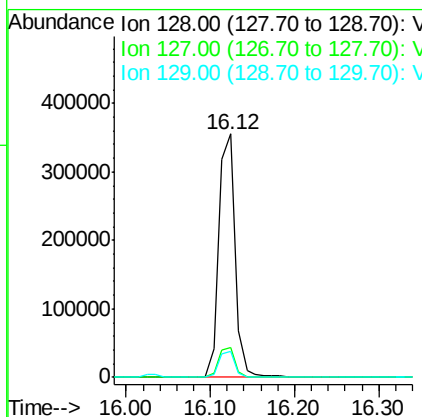
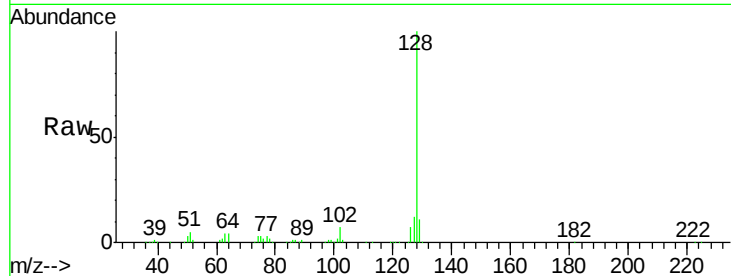
#95
Naphthalene
Concen: 54.273 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. -0.00 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	9.4	14.2
129	10.7	8.8	13.2

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 57.473 ug/l
RT: 16.26 min Scan# 1507
Delta R.T. -0.01 min
Lab File: VD061735.D
Acq: 11 Apr 2019 12:10

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	47.3	142.0
145	35.0	15.1	45.3

