

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD061719\
 Data File : VD062718.D
 Acq On : 17 Jun 2019 11:02
 Operator : VA/AP
 Sample : VSTDCCC050
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:34:24 AM

Quant Time: Jun 18 06:30:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D060719S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 08 00:02:21 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.04	168	817390	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.22	114	1092348	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.37	117	863893	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.52	152	493235	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.45	65	561060	47.57	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.14%	
35) Dibromofluoromethane	6.92	113	569528	49.44	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.88%	
50) Toluene-d8	10.41	98	1268897	52.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	13.55	95	562450	49.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.50%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.57	85	413267	43.135	ug/l	100
3) Chloromethane	1.75	50	369134	45.641	ug/l	97
4) Vinyl Chloride	1.85	62	391985	47.001	ug/l #	86
5) Bromomethane	2.15	94	180265	42.821	ug/l	90
6) Chloroethane	2.27	64	209782	50.948	ug/l	93
7) Trichlorofluoromethane	2.53	101	905851	48.527	ug/l	97
8) Diethyl Ether	2.87	74	117331	46.214	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.15	101	500987	49.765	ug/l	91
10) Methyl Iodide	3.30	142	650061	44.925	ug/l	91
11) Tert butyl alcohol	4.07	59	107306	221.328	ug/l #	89
12) 1,1-Dichloroethene	3.13	96	353053	48.868	ug/l	94
13) Acrolein	3.04	56	33432	214.370	ug/l	93
14) Allyl chloride	3.61	41	565052	50.867	ug/l	92
15) Acrylonitrile	4.19	53	281040	255.090	ug/l	94
16) Acetone	3.22	43	644922	298.599	ug/l	94
17) Carbon Disulfide	3.37	76	1063931	49.974	ug/l	99
18) Methyl Acetate	3.64	43	159322	44.886	ug/l	97
19) Methyl tert-butyl Ether	4.24	73	850836	48.287	ug/l	98
20) Methylene Chloride	3.81	84	357264	43.725	ug/l	96
21) trans-1,2-Dichloroethene	4.21	96	392155	49.485	ug/l	92
22) Diisopropyl ether	5.12	45	1186262	51.430	ug/l	98
23) Vinyl Acetate	5.06	43	3753459	262.305	ug/l	98
24) 1,1-Dichloroethane	4.98	63	756210	50.963	ug/l	97
25) 2-Butanone	6.07	43	530387	251.715	ug/l	98
26) 2,2-Dichloropropane	6.02	77	899600	52.603	ug/l	99
27) cis-1,2-Dichloroethene	6.03	96	441599	51.402	ug/l	93
28) Bromochloromethane	6.43	49	271848	47.926	ug/l	94
29) Tetrahydrofuran	6.45	42	226034	238.209	ug/l	96
30) Chloroform	6.66	83	941695	49.464	ug/l	88
31) Cyclohexane	6.95	56	534196	57.390	ug/l	90
32) 1,1,1-Trichloroethane	6.87	97	1000705	52.824	ug/l	98
36) 1,1-Dichloropropene	7.14	75	620858	49.661	ug/l	98
37) Ethyl Acetate	6.19	43	269928	50.622	ug/l #	96
38) Carbon Tetrachloride	7.11	117	1023083m	51.774	ug/l	

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.86	83	558033	55.236	ug/l	93
40) Benzene	7.45	78	1278288	52.357	ug/l	98
41) Methacrylonitrile	6.44	41	315990	48.284	ug/l #	95
42) 1,2-Dichloroethane	7.58	62	692201	47.567	ug/l	98
43) Isopropyl Acetate	9.24	43	346573	52.539	ug/l #	98
44) Trichloroethene	8.54	130	506296	51.080	ug/l	96
45) 1,2-Dichloropropane	8.94	63	304735	51.963	ug/l	99
46) Dibromomethane	9.06	93	266703	51.234	ug/l	90
47) Bromodichloromethane	9.37	83	728047	51.414	ug/l	95
48) Methyl methacrylate	9.12	41	237557	49.848	ug/l	94
49) 1,4-Dioxane	9.08	88	40347	949.278	ug/l #	76
51) 4-Methyl-2-Pentanone	10.30	43	1218030	263.887	ug/l	100
52) Toluene	10.51	92	858196	52.293	ug/l	98
53) t-1,3-Dichloropropene	10.91	75	625175	53.848	ug/l	99
54) cis-1,3-Dichloropropene	10.04	75	648004	54.003	ug/l	95
55) 1,1,2-Trichloroethane	11.19	97	281054	49.937	ug/l	93
56) Ethyl methacrylate	11.04	69	309205	45.944	ug/l	96
57) 1,3-Dichloropropane	11.41	76	425229	48.747	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.86	63	695938	231.355	ug/l	96
59) 2-Hexanone	11.53	43	894112	260.411	ug/l	98
60) Dibromochloromethane	11.68	129	574148	51.678	ug/l	97
61) 1,2-Dibromoethane	11.80	107	355192	52.731	ug/l	93
64) Tetrachloroethene	11.26	164	442603	54.730	ug/l	97
65) Chlorobenzene	12.40	112	1025244	53.653	ug/l	97
66) 1,1,1,2-Tetrachloroethane	12.51	131	492925	54.086	ug/l	99
67) Ethyl Benzene	12.52	91	1901304	56.118	ug/l	98
68) m/p-Xylenes	12.67	106	1324274	111.182	ug/l	98
69) o-Xylene	13.05	106	660255	60.358	ug/l	91
70) Styrene	13.07	104	1145435	58.686	ug/l	96
71) Bromoform	13.24	173	355292	50.772	ug/l	96
73) Isopropylbenzene	13.40	105	1941393	55.842	ug/l	97
74) N-amyl acetate	13.27	43	520269	55.373	ug/l	97
75) 1,1,2,2-Tetrachloroethane	13.70	83	324648	54.575	ug/l	95
76) 1,2,3-Trichloropropane	13.73	75	371173	55.500	ug/l	97
77) Bromobenzene	13.67	156	540605	54.405	ug/l	94
78) n-propylbenzene	13.78	91	2350810	55.241	ug/l	96
79) 2-Chlorotoluene	13.84	91	1326960	53.255	ug/l	98
80) 1,3,5-Trimethylbenzene	13.94	105	1683821	54.802	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.47	75	99041	49.942	ug/l	93
82) 4-Chlorotoluene	13.95	91	1580901	53.054	ug/l	99
83) tert-Butylbenzene	14.19	119	1945764	57.416	ug/l	100
84) 1,2,4-Trimethylbenzene	14.24	105	1627542	53.499	ug/l	97
85) sec-Butylbenzene	14.37	105	2029820	57.120	ug/l	98
86) p-Isopropyltoluene	14.49	119	1987726	57.451	ug/l	99
87) 1,3-Dichlorobenzene	14.46	146	1018138	56.560	ug/l	98
88) 1,4-Dichlorobenzene	14.54	146	899944	52.900	ug/l	98
89) n-Butylbenzene	14.80	91	1738297	55.847	ug/l	95
90) Hexachloroethane	15.01	117	523532	57.317	ug/l	96
91) 1,2-Dichlorobenzene	14.81	146	816562	54.570	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	15.38	75	70892	55.792	ug/l #	41

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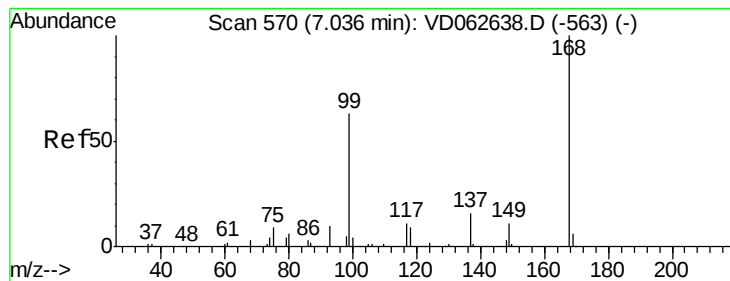
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.94	180	620338	48.950	ug/l	97
94) Hexachlorobutadiene	16.03	225	468427	53.021	ug/l	97
95) Naphthalene	16.12	128	856987	48.031	ug/l	96
96) 1,2,3-Trichlorobenzene	16.27	180	467424	54.233	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.04 min Scan# 571

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 817390

Ion Ratio Lower Upper

168 100

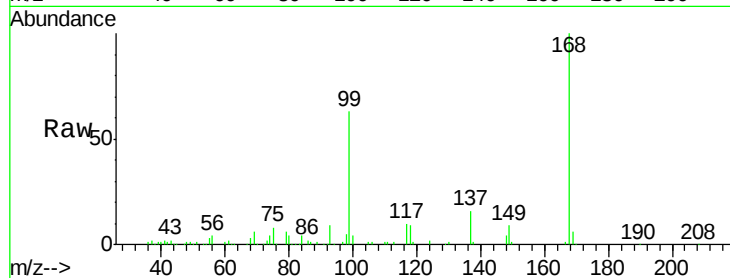
99 62.8 51.4 77.2

Manual Integrations

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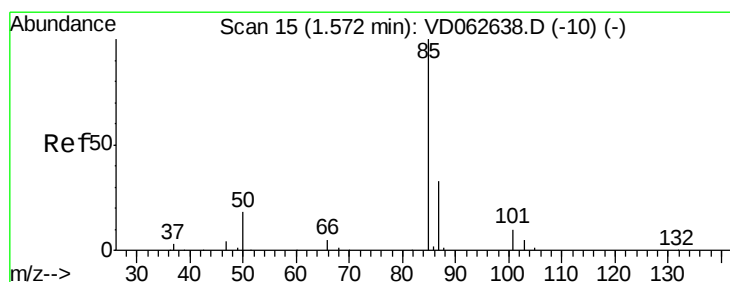
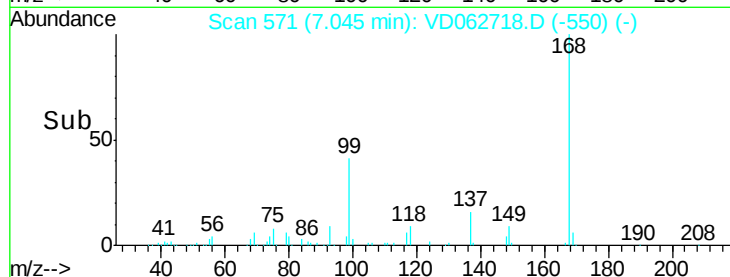
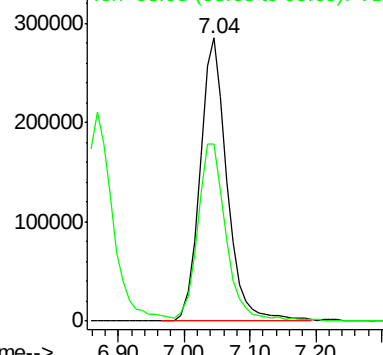
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 43.135 ug/l

RT: 1.57 min Scan# 15

Delta R.T. 0.00 min

Lab File: VD062718.D

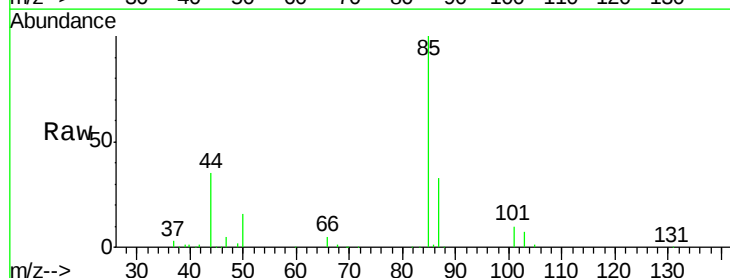
Acq: 17 Jun 2019 11:02

Tgt Ion: 85 Resp: 413267

Ion Ratio Lower Upper

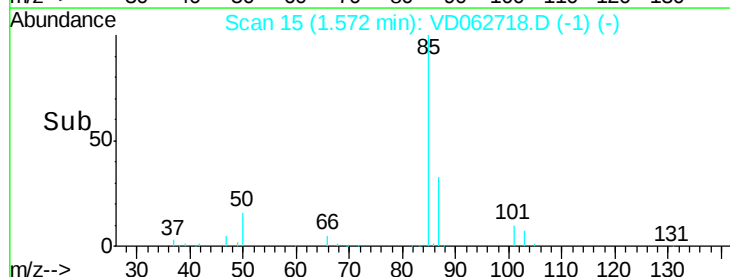
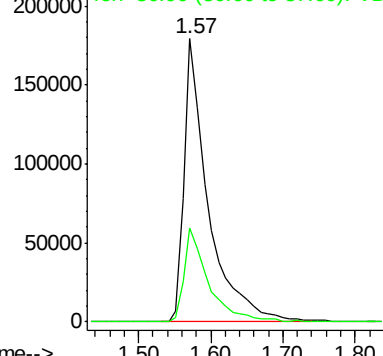
85 100

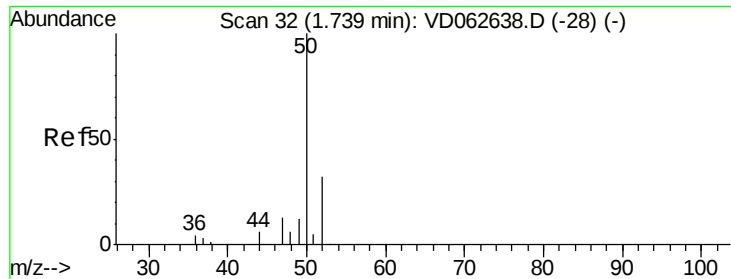
87 33.4 16.6 49.7



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 45.641 ug/l

RT: 1.75 min Scan# 33

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 369134

Ion Ratio Lower Upper

50 100

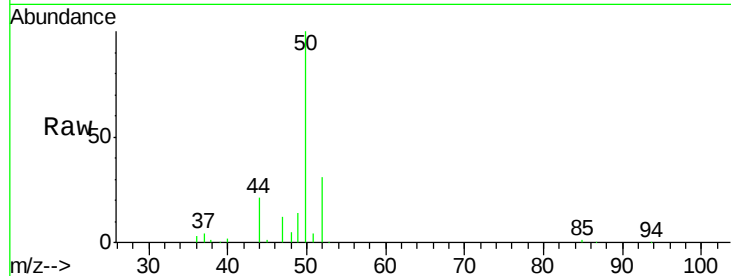
52 30.5 25.8 38.8

Manual Integrations

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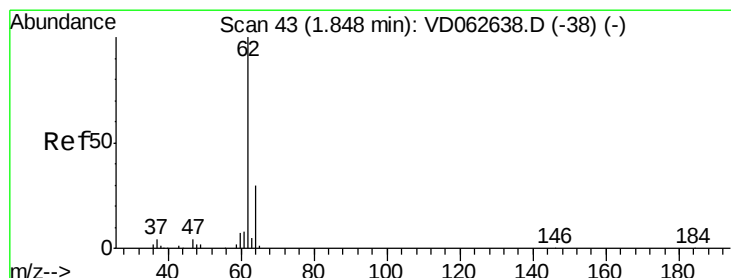
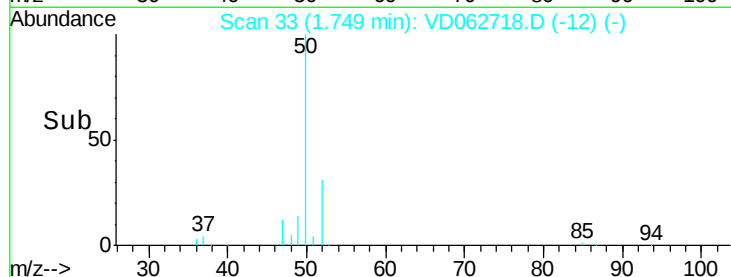
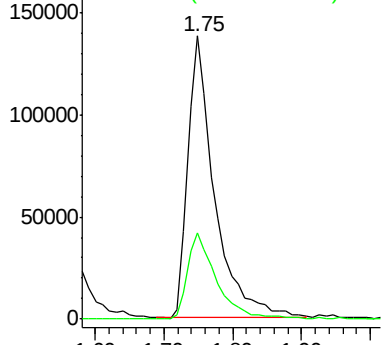
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 47.001 ug/l

RT: 1.85 min Scan# 43

Delta R.T. -0.00 min

Lab File: VD062718.D

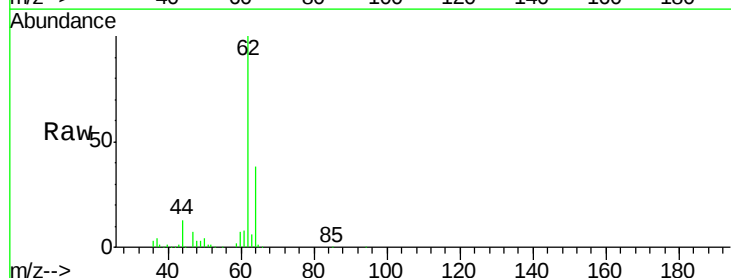
Acq: 17 Jun 2019 11:02

Tgt Ion: 62 Resp: 391985

Ion Ratio Lower Upper

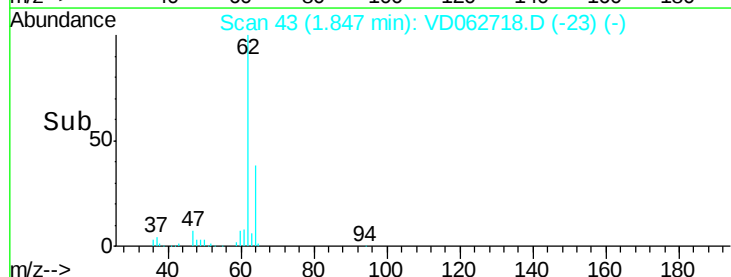
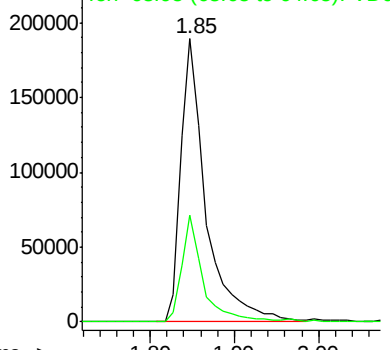
62 100

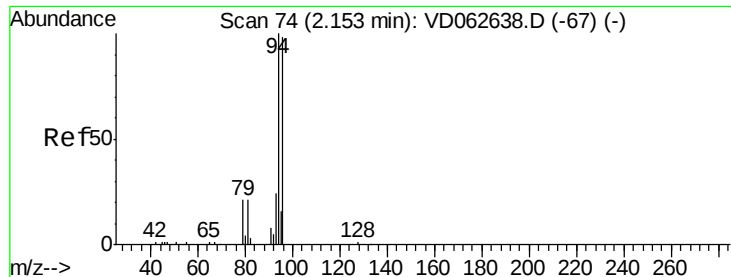
64 37.8 24.2 36.4#



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 42.821 ug/l

RT: 2.15 min Scan# 74

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

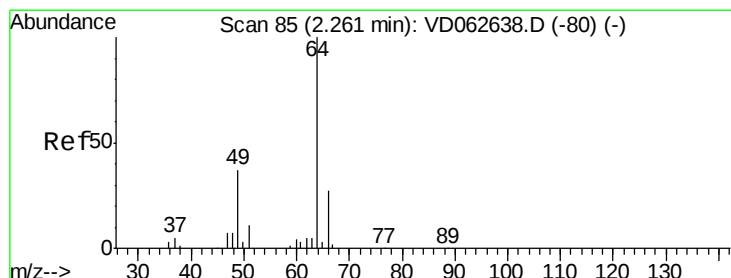
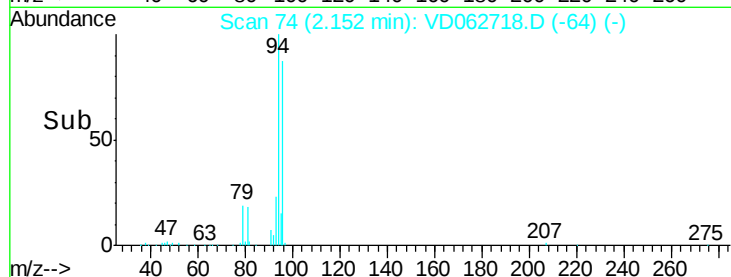
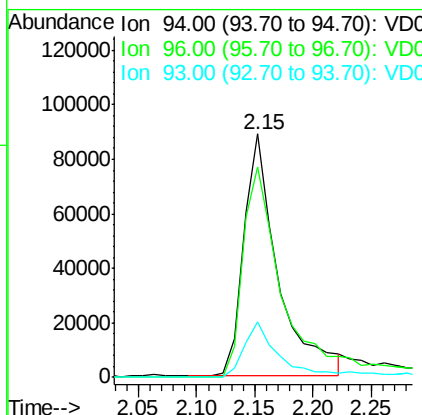
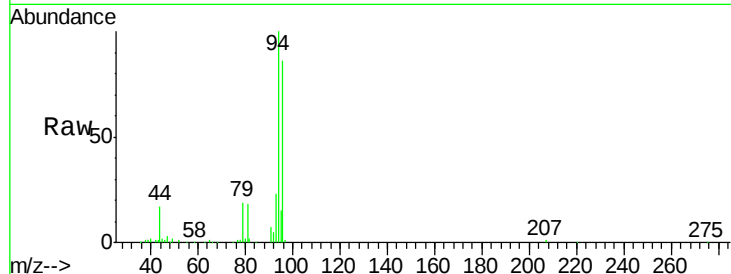
ClientSampleId :

VSTDCCC050

Tot Ion:	94	Resp:	180265
Ion	Ratio	Lower	Upper
94	100		
96	86.4	78.1	117.1
93	22.7	19.6	29.4

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#6

Chloroethane

Concen: 50.948 ug/l

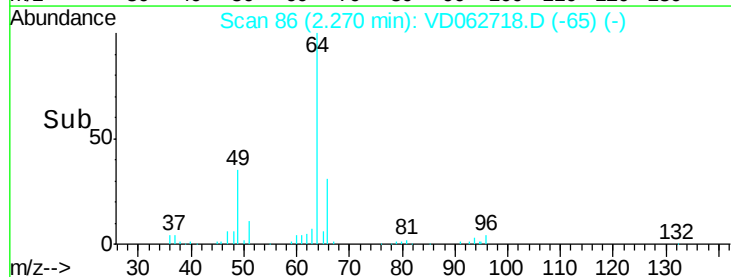
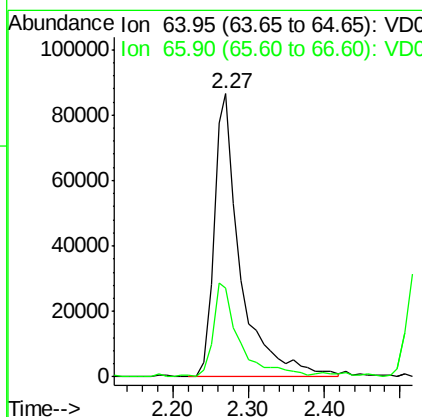
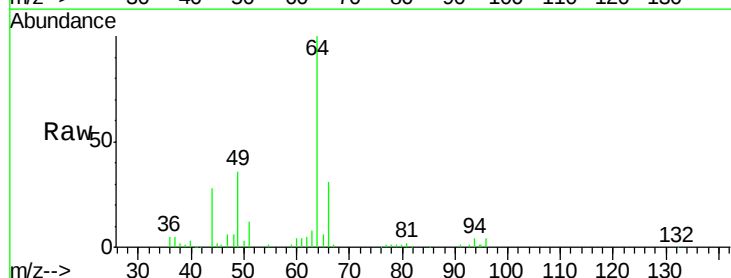
RT: 2.27 min Scan# 86

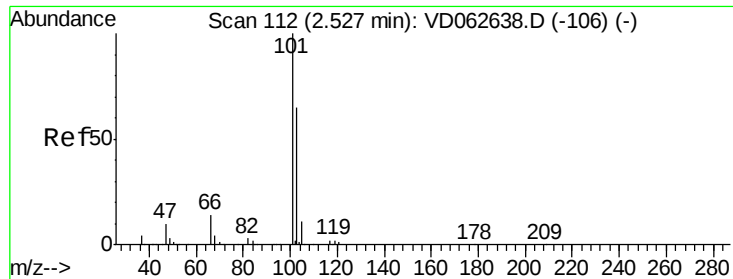
Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion:	64	Resp:	209782
Ion	Ratio	Lower	Upper
64	100		
66	31.3	21.9	32.9





#7

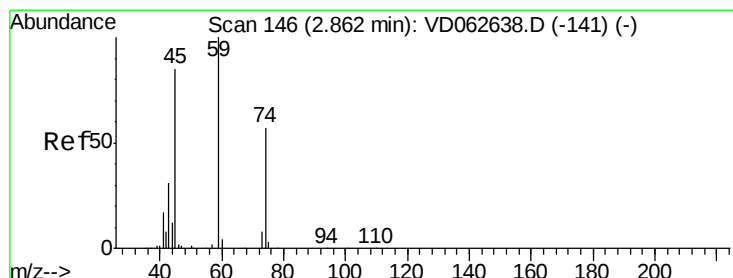
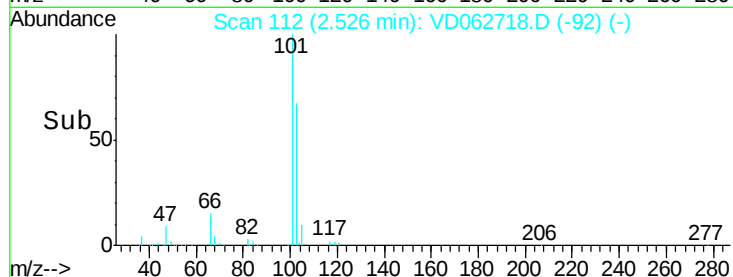
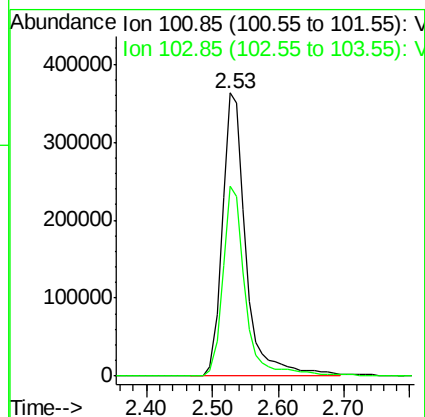
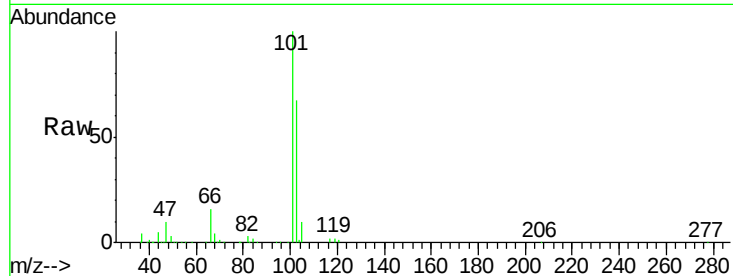
Trichlorofluoromethane
Concen: 48.527 ug/l
RT: 2.53 min Scan# 112
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
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ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	67.3	52.2	78.2

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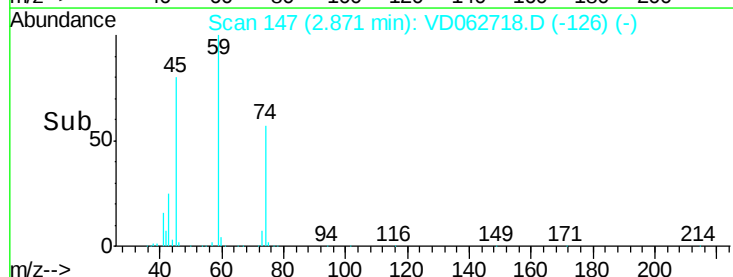
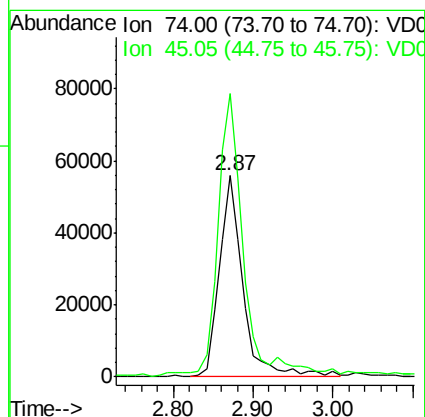
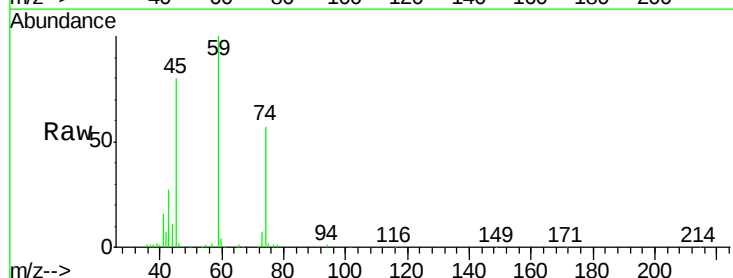
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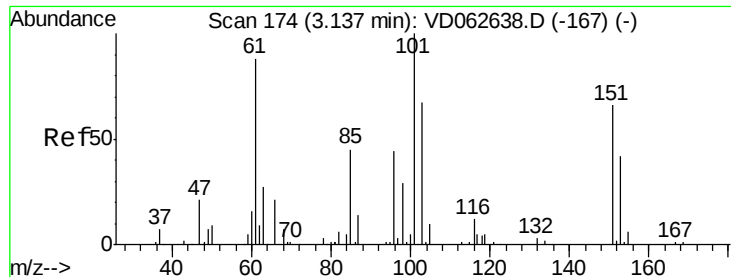


#8

Diethyl Ether
Concen: 46.214 ug/l
RT: 2.87 min Scan# 147
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
74	100		
45	140.8	74.9	224.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.765 ug/l

RT: 3.15 min Scan# 175

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

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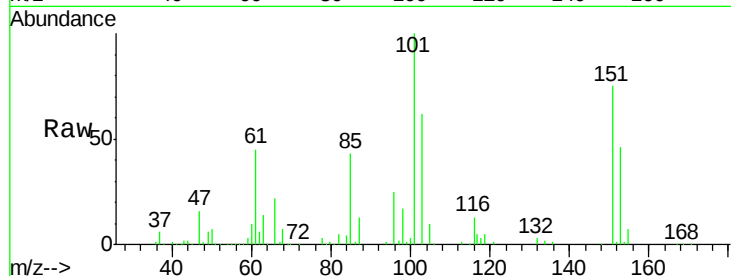
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VSTDCCC050

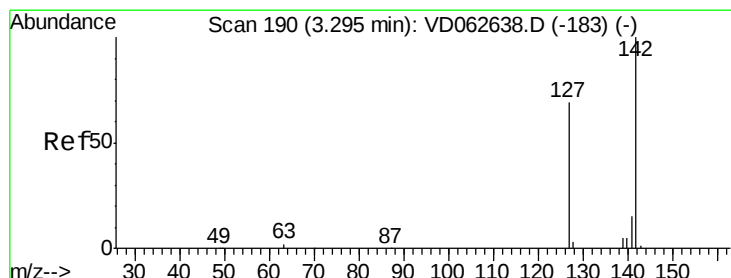
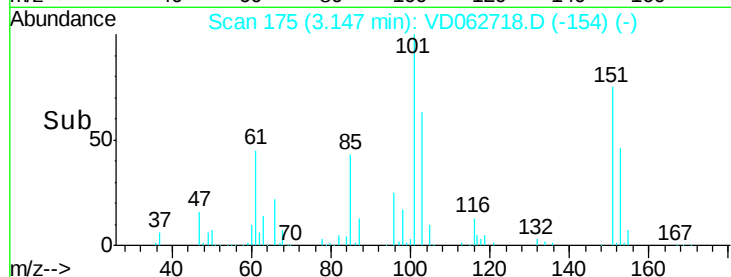
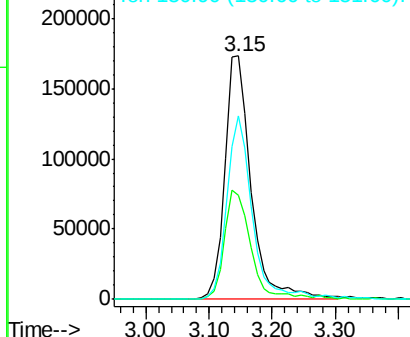
Tot Ion:	101	Resp:	500987
Ion Ratio	Lower	Upper	
101	100		
85	42.7	36.0	54.0
151	75.3	52.6	79.0

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Abundance Ion 100.85 (100.55 to 101.55): V
Ion 84.95 (84.65 to 85.65): V
Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 44.925 ug/l

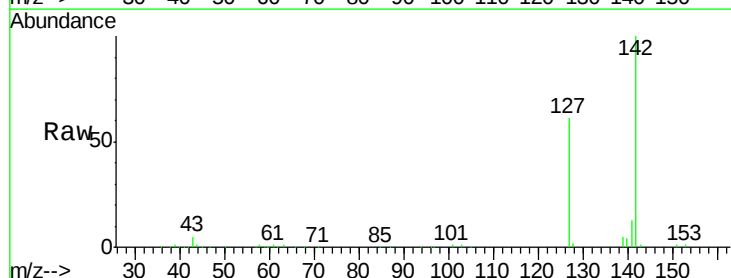
RT: 3.30 min Scan# 191

Delta R.T. 0.01 min

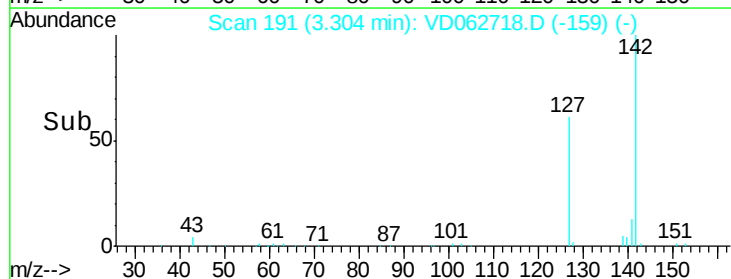
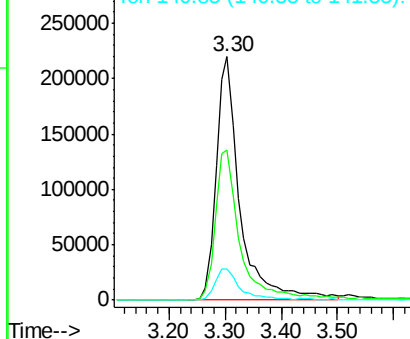
Lab File: VD062718.D

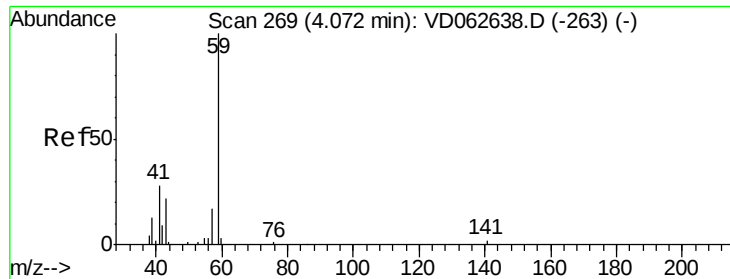
Acq: 17 Jun 2019 11:02

Tgt Ion:	142	Resp:	650061
Ion Ratio	Lower	Upper	
142	100		
127	61.4	55.2	82.8
141	12.9	12.1	18.1



Abundance Ion 141.85 (141.55 to 142.55): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.85 (140.55 to 141.55): V





#11

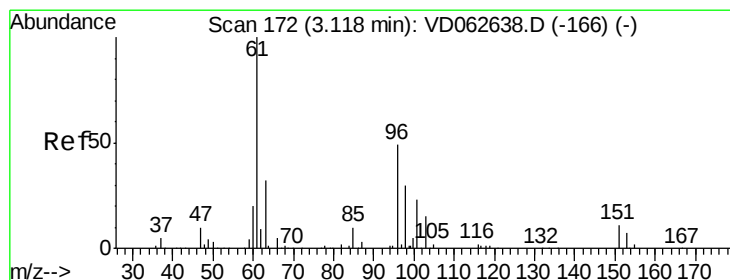
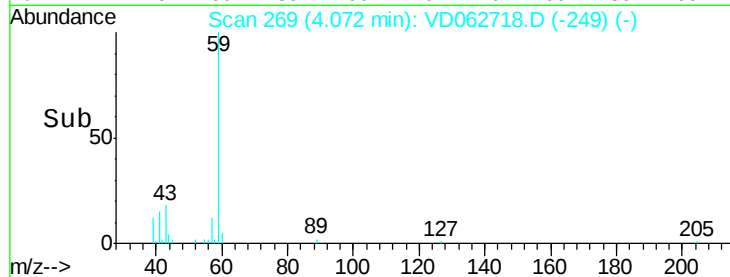
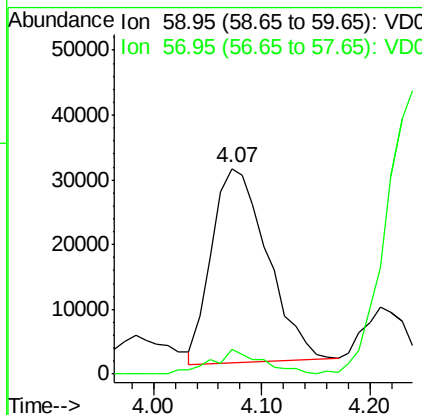
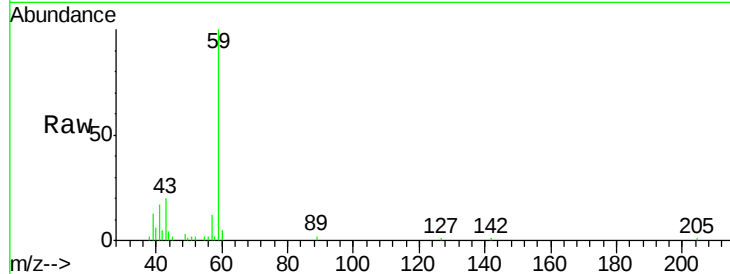
Tert butyl alcohol
Concen: 221.328 ug/l
RT: 4.07 min Scan# 269
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 59 Resp: 107306
Ion Ratio Lower Upper
59 100
57 12.3 13.7 20.5#

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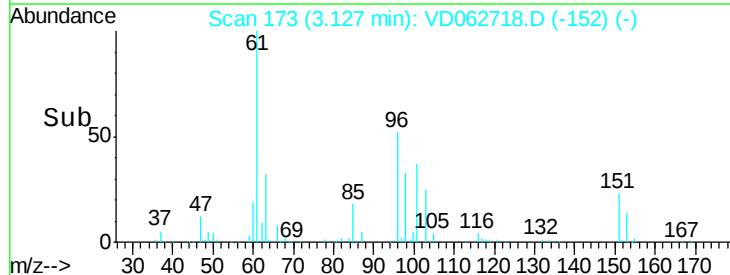
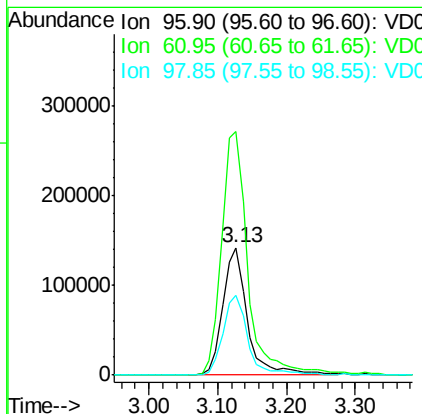
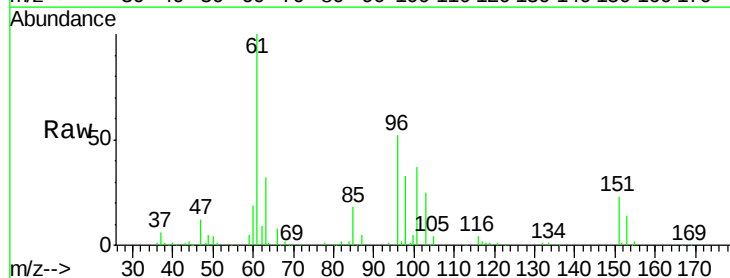
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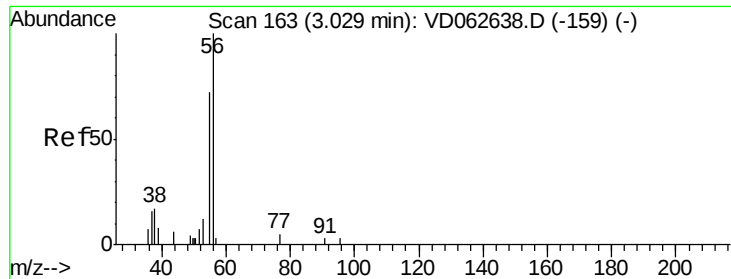


#12

1,1-Dichloroethene
Concen: 48.868 ug/l
RT: 3.13 min Scan# 173
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 96 Resp: 353053
Ion Ratio Lower Upper
96 100
61 191.4 161.8 242.8
98 62.5 48.2 72.4





#13

Acrolein

Concen: 214.370 ug/l

RT: 3.04 min Scan# 164

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 56 Resp: 33432

Ion Ratio Lower Upper

56 100

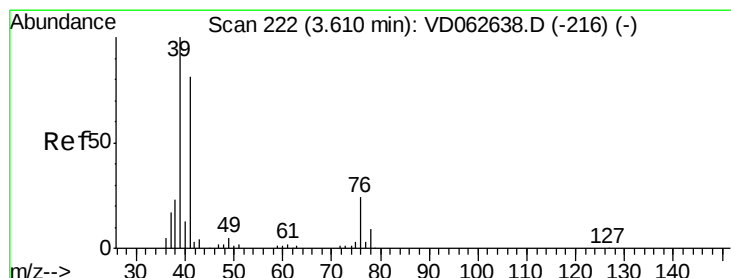
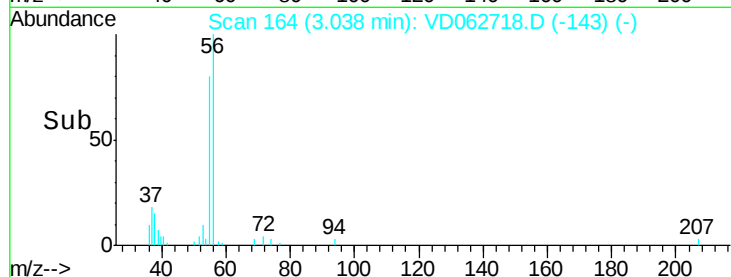
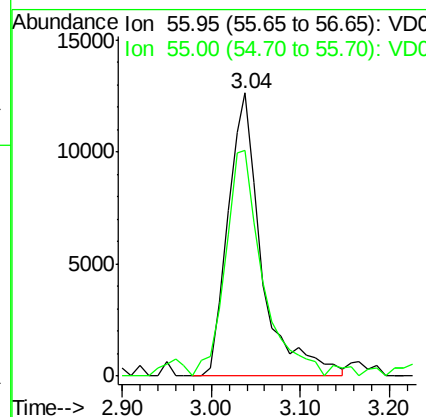
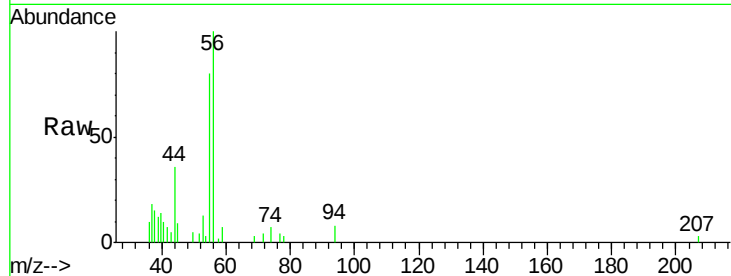
55 79.8 59.4 89.0

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#14

Allyl chloride

Concen: 50.867 ug/l

RT: 3.61 min Scan# 222

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

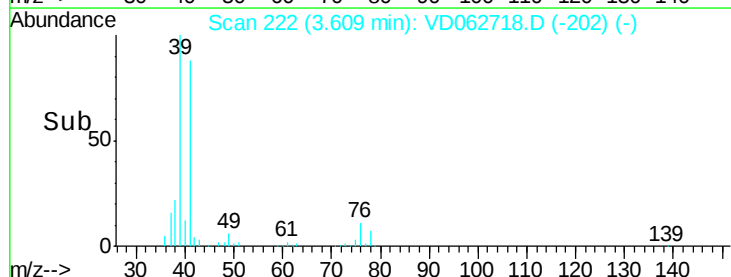
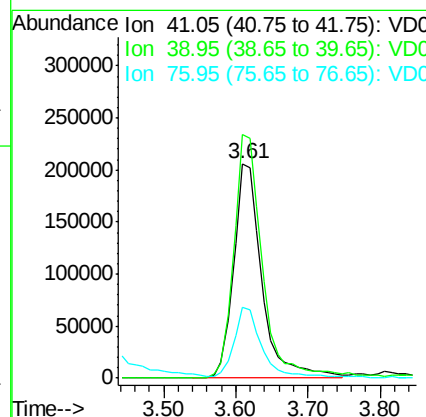
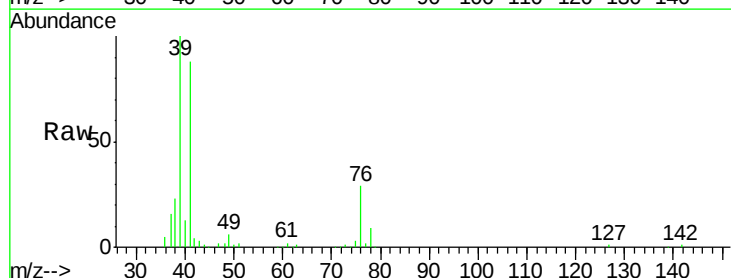
Tgt Ion: 41 Resp: 565052

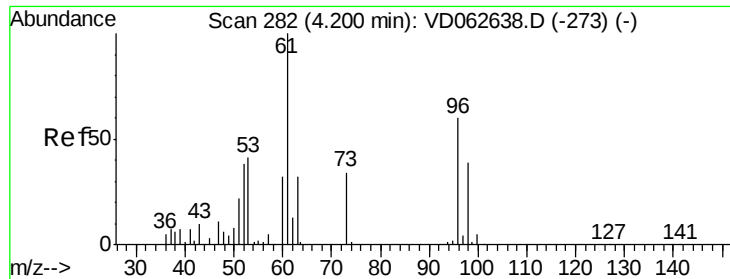
Ion Ratio Lower Upper

41 100

39 113.6 99.1 148.7

76 32.8 25.0 37.6





#15

Acrylonitrile

Concen: 255.090 ug/l

RT: 4.19 min Scan# 281

Delta R.T. -0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

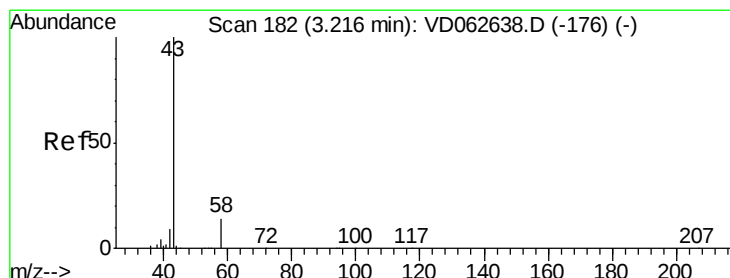
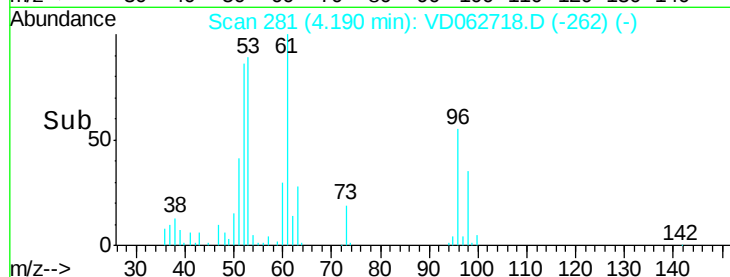
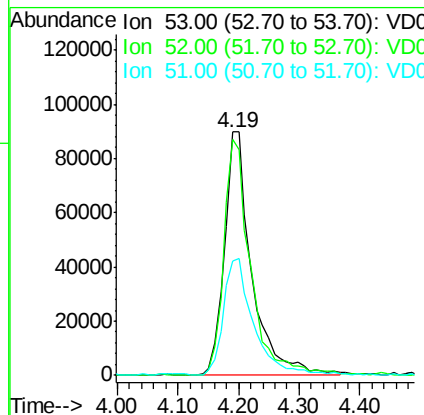
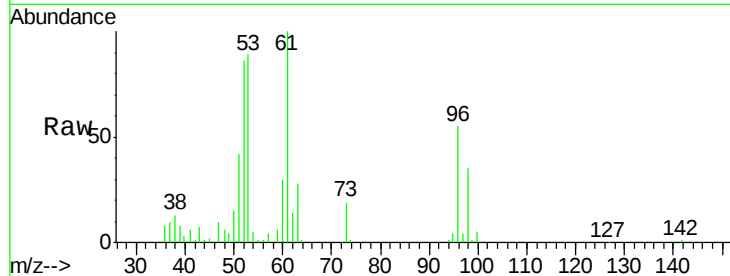
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	281040
Ion Ratio	Lower	Upper	
53	100		
52	96.8	73.6	110.4
51	46.9	42.0	63.0

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#16

Acetone

Concen: 298.599 ug/l

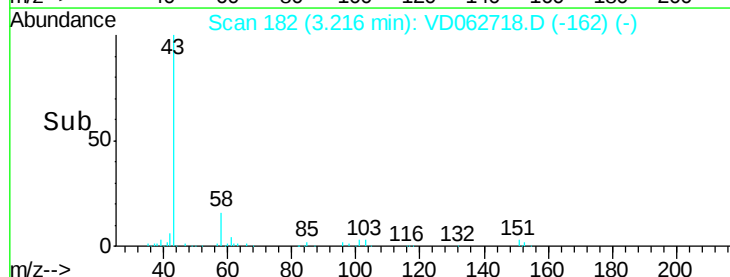
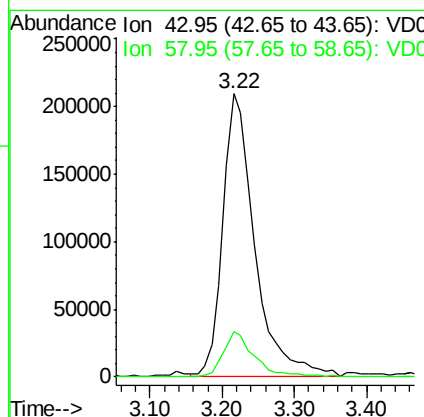
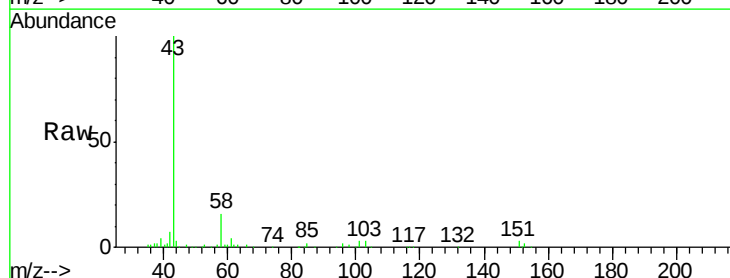
RT: 3.22 min Scan# 182

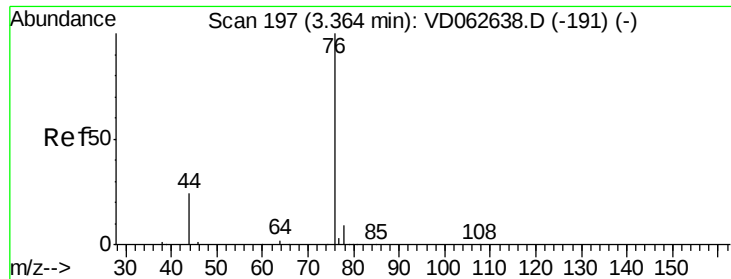
Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion:	43	Resp:	644922
Ion Ratio	Lower	Upper	
43	100		
58	16.0	10.8	16.2





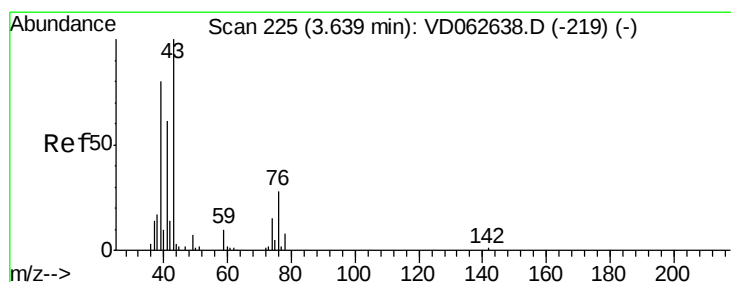
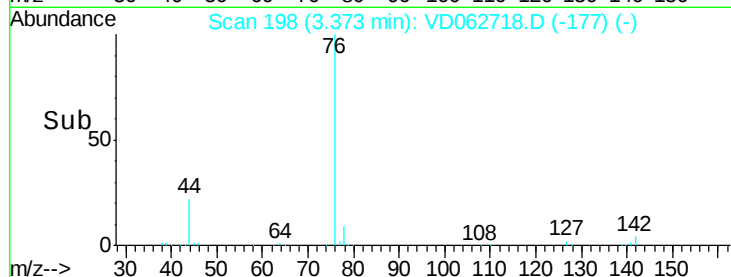
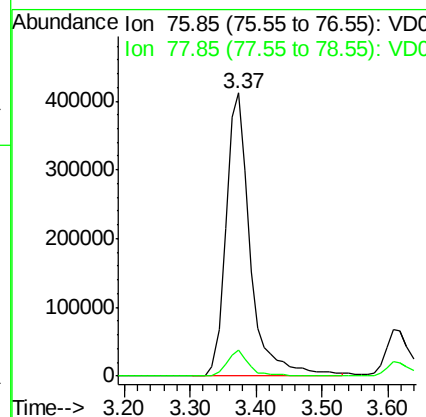
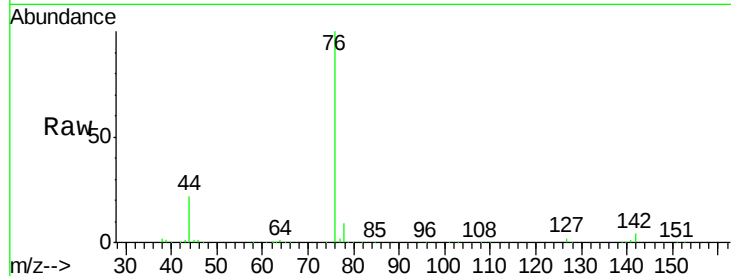
#17
Carbon Disulfide
Concen: 49.974 ug/l
RT: 3.37 min Scan# 198
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 76 Resp: 1063931
Ion Ratio Lower Upper
76 100
78 9.2 7.0 10.4

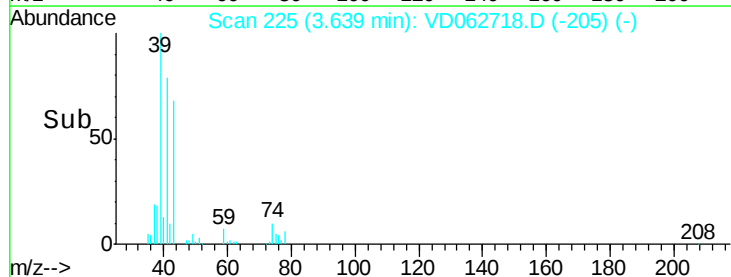
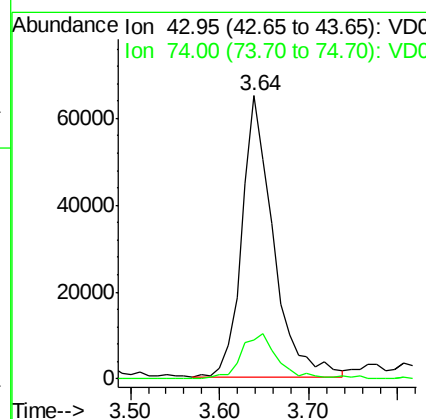
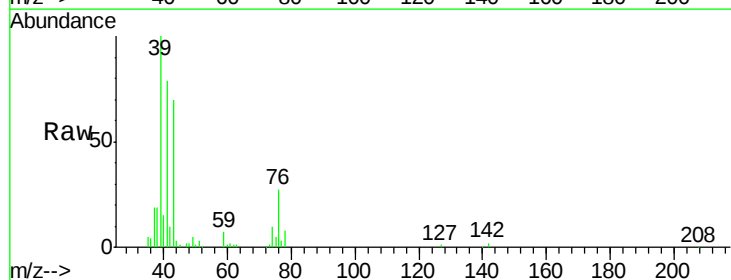
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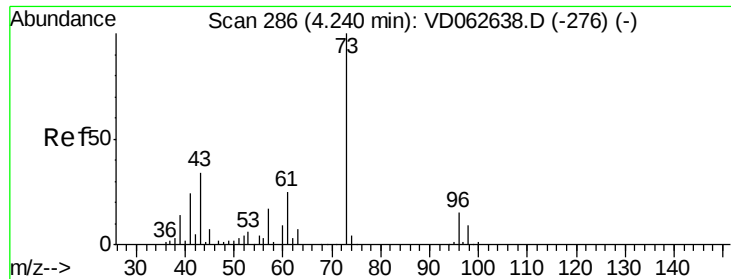
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#18
Methyl Acetate
Concen: 44.886 ug/l
RT: 3.64 min Scan# 225
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 43 Resp: 159322
Ion Ratio Lower Upper
43 100
74 13.8 12.1 18.1





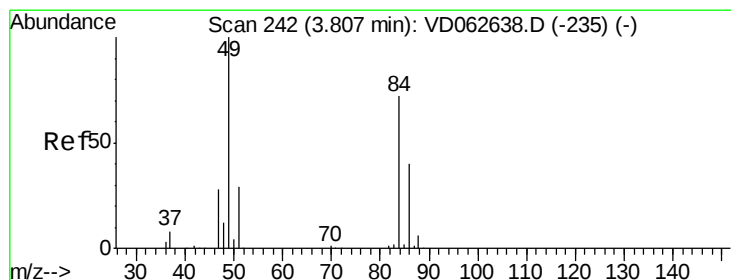
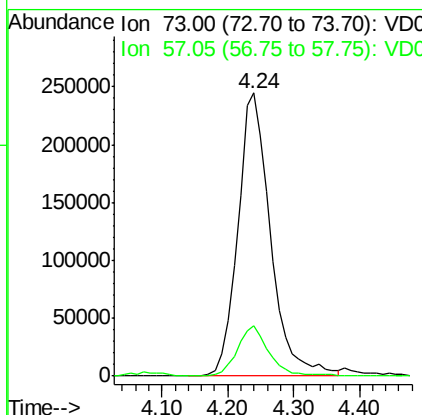
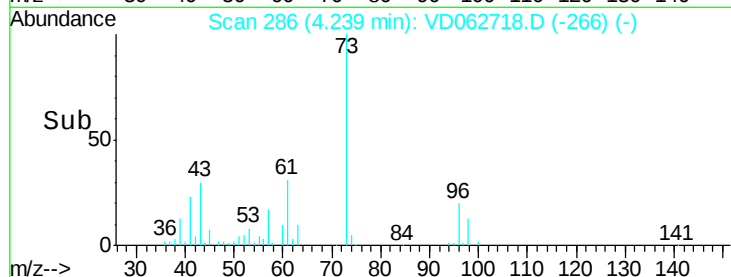
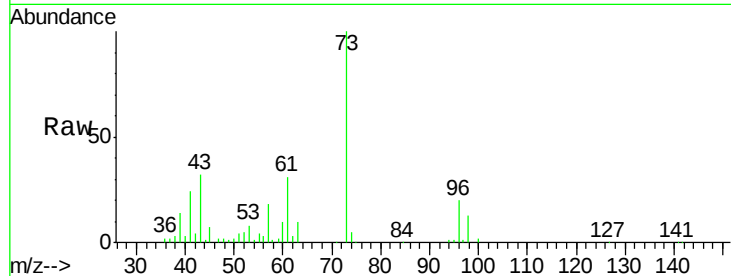
#19
Methyl tert-butyl Ether
Concen: 48.287 ug/l
RT: 4.24 min Scan# 286
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleID :
VSTDCCC050

Tot Ion: 73 Resp: 850836
Ion Ratio Lower Upper
73 100
57 17.9 13.5 20.3

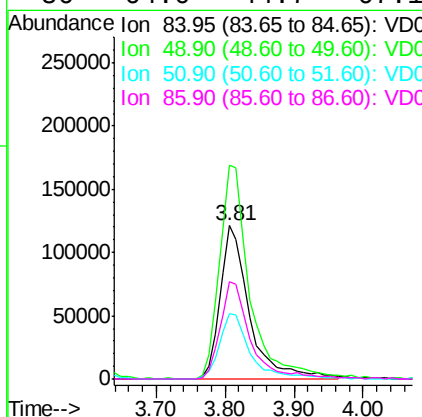
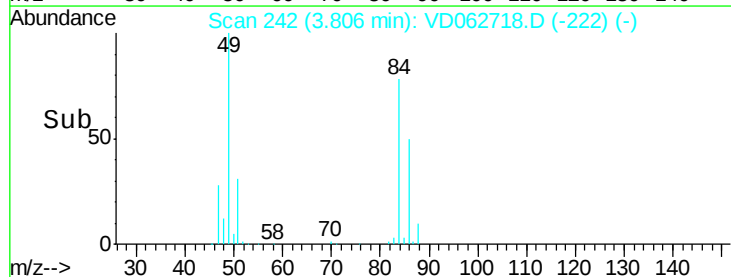
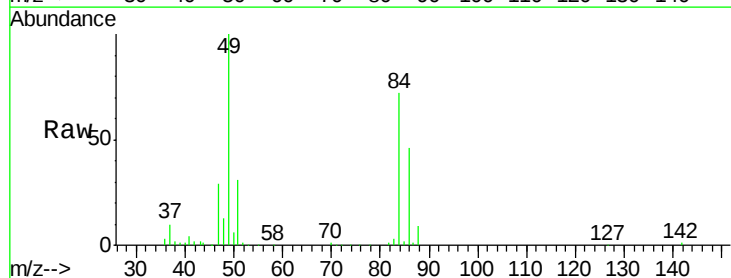
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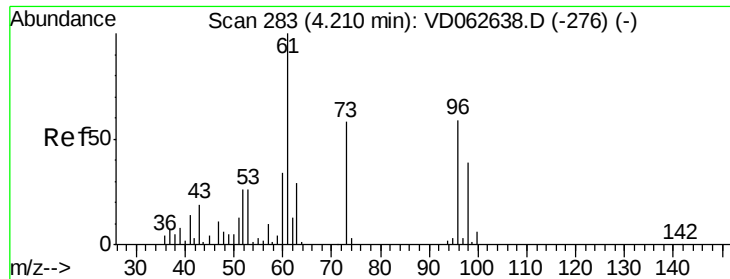
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#20
Methylene Chloride
Concen: 43.725 ug/l
RT: 3.81 min Scan# 242
Delta R.T. 0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 84 Resp: 357264
Ion Ratio Lower Upper
84 100
49 139.5 111.2 166.8
51 43.0 31.9 47.9
86 64.0 44.7 67.1





#21

trans-1,2-Dichloroethene

Concen: 49.485 ug/l

RT: 4.21 min Scan# 283

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 392155

Ion Ratio Lower Upper

96 100

61 154.7 134.6 201.8

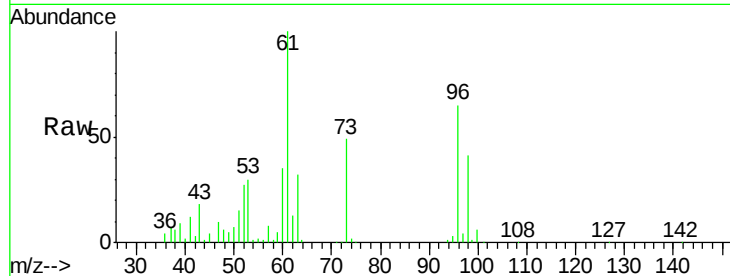
98 63.0 51.8 77.8

Manual Integrations

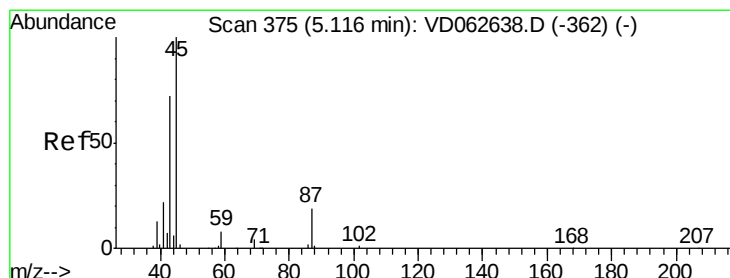
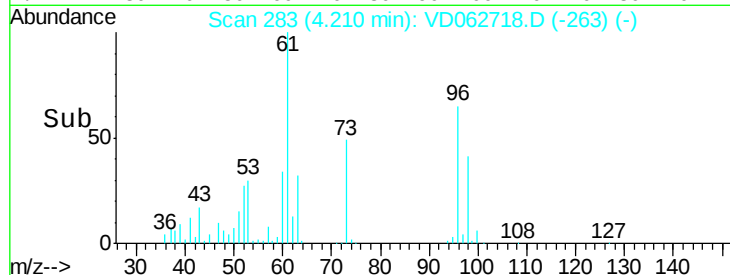
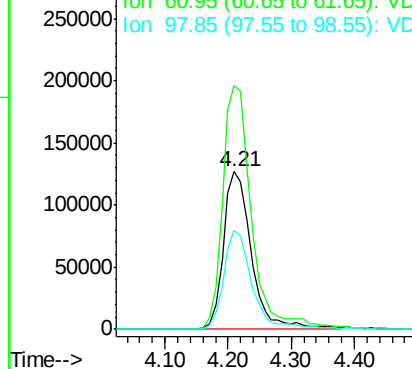
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Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 51.430 ug/l

RT: 5.12 min Scan# 375

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion: 45 Resp: 1186262

Ion Ratio Lower Upper

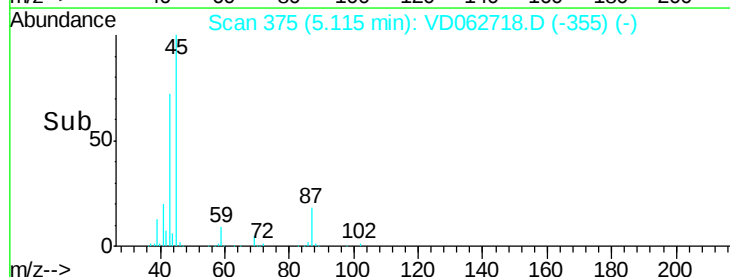
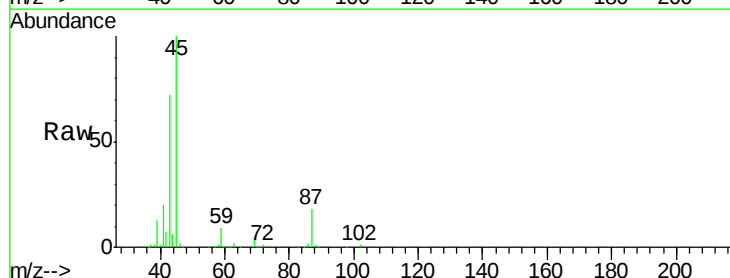
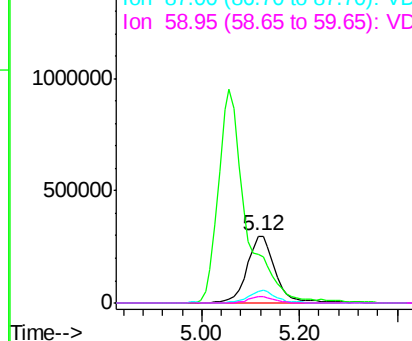
45 100

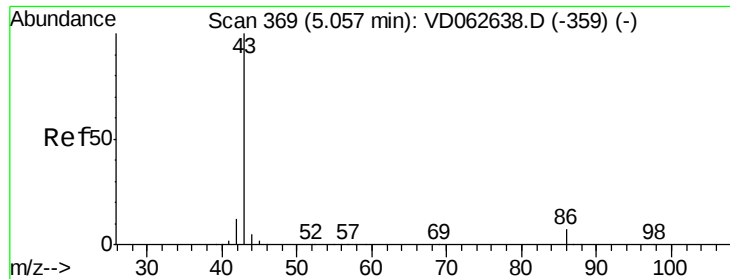
43 72.2 58.8 88.2

87 17.8 15.7 23.5

59 8.7 6.6 9.8

Abundance Ion 45.05 (44.75 to 45.75): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 58.95 (58.65 to 59.65): VDC





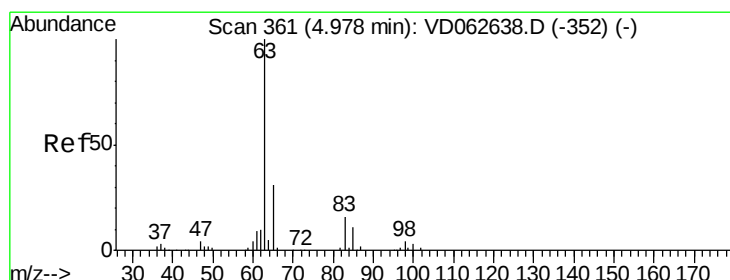
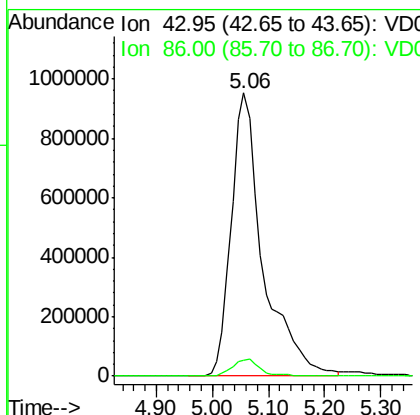
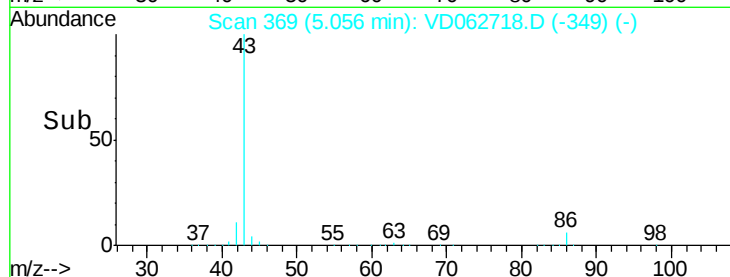
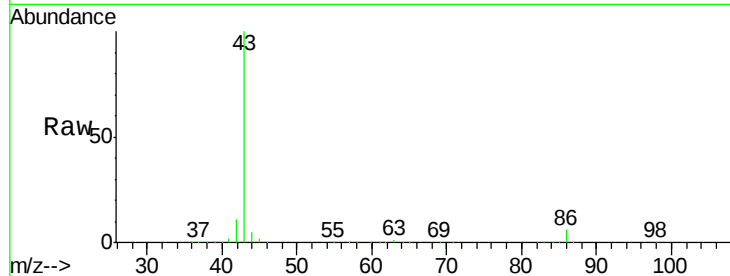
#23
 Vinyl Acetate
 Concen: 262.305 ug/l
 RT: 5.06 min Scan# 369
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 43 Resp: 3753459
 Ion Ratio Lower Upper
 43 100
 86 5.8 5.3 7.9

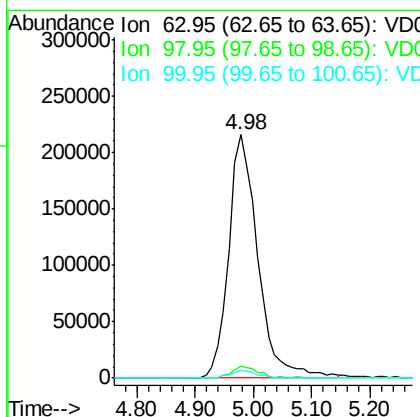
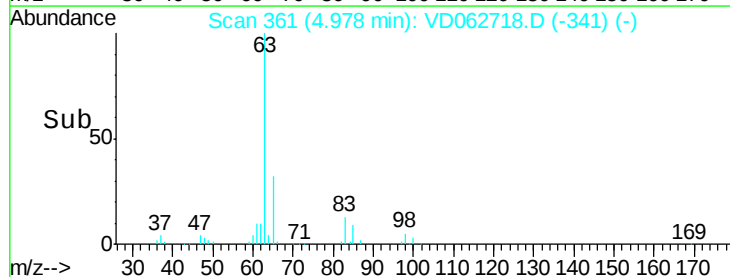
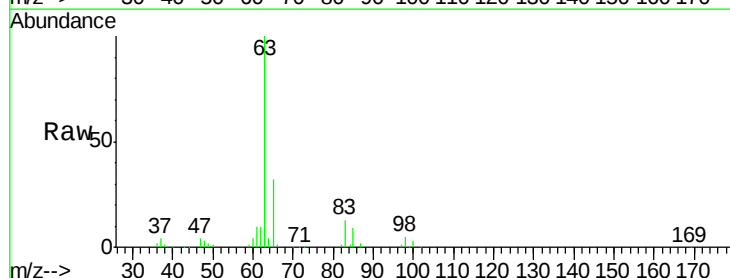
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#24
 1,1-Dichloroethane
 Concen: 50.963 ug/l
 RT: 4.98 min Scan# 361
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 63 Resp: 756210
 Ion Ratio Lower Upper
 63 100
 98 4.9 1.8 5.4
 100 3.2 1.5 4.4





#25

2-Butanone

Concen: 251.715 ug/l

RT: 6.07 min Scan# 472

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 530387

Ion Ratio Lower Upper

43 100

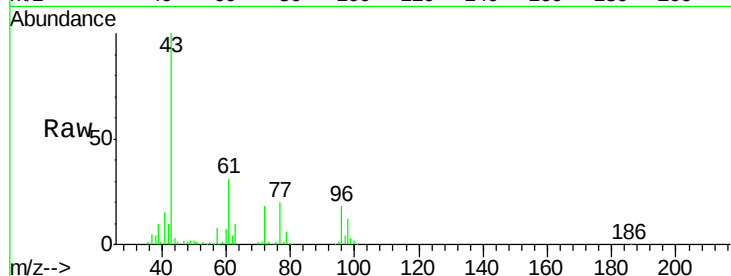
72 17.7 13.5 20.3

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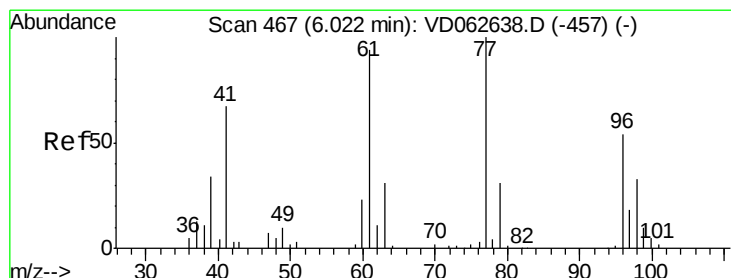
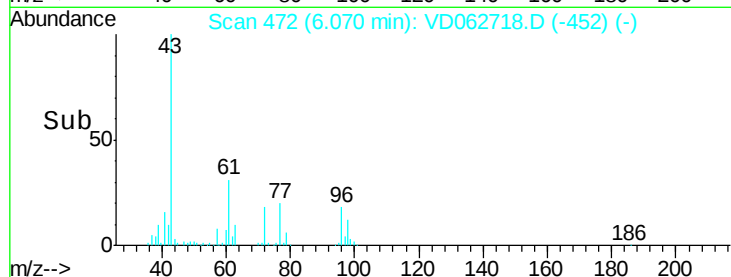
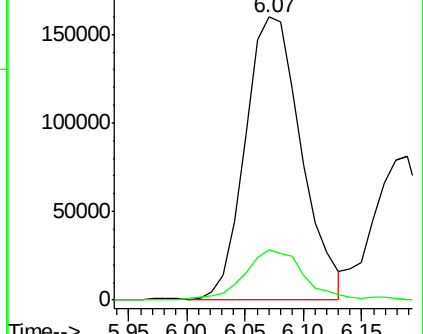
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 52.603 ug/l

RT: 6.02 min Scan# 467

Delta R.T. -0.00 min

Lab File: VD062718.D

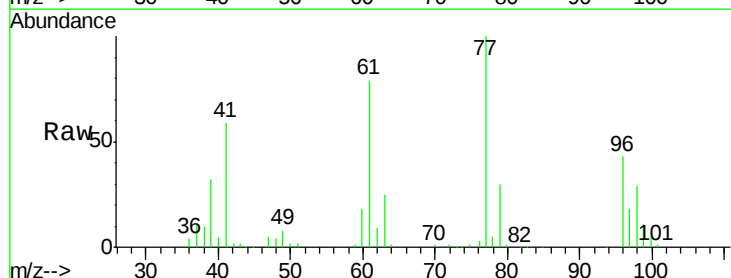
Acq: 17 Jun 2019 11:02

Tgt Ion: 77 Resp: 899600

Ion Ratio Lower Upper

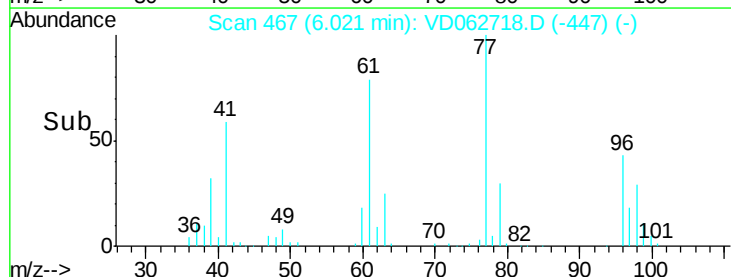
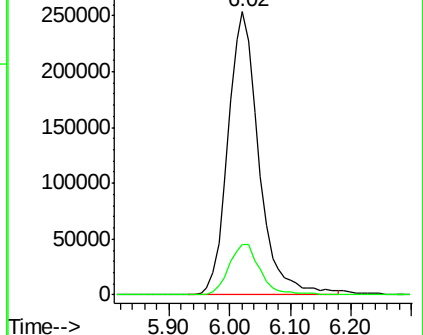
77 100

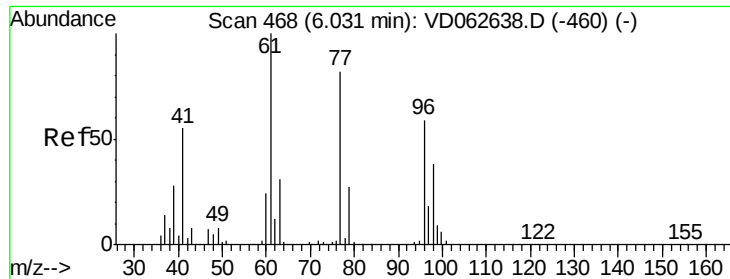
97 18.0 8.8 26.5



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





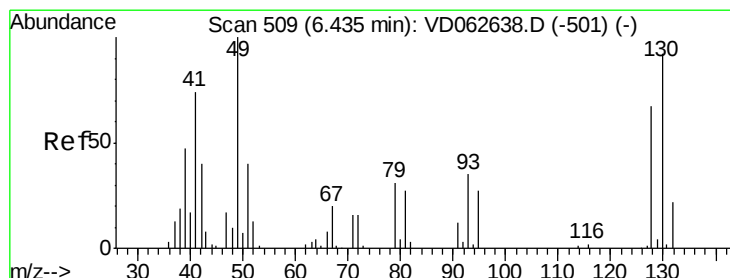
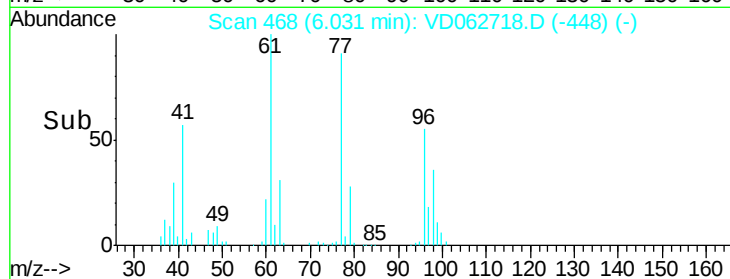
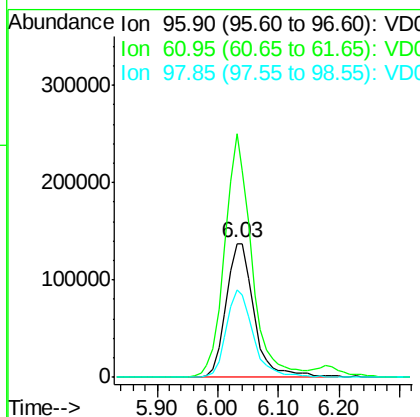
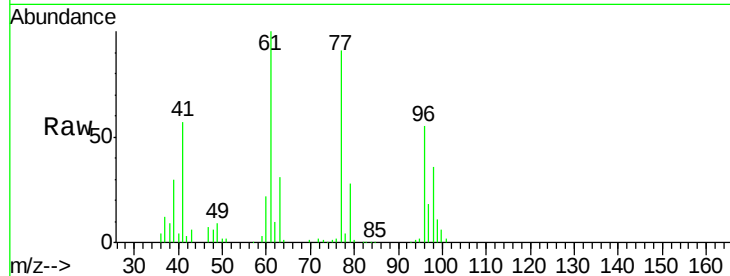
#27
 cis-1,2-Dichloroethene
 Concen: 51.402 ug/l
 RT: 6.03 min Scan# 468
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
96	100		
61	181.9	0.0	340.0
98	65.7	0.0	127.6

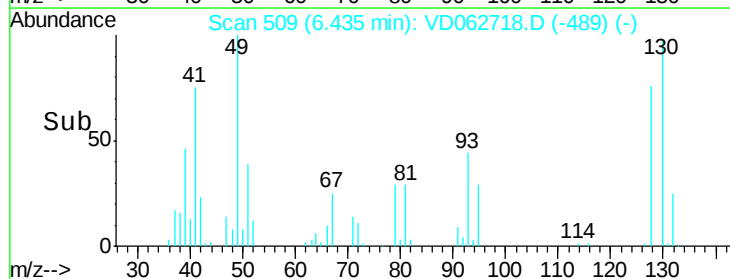
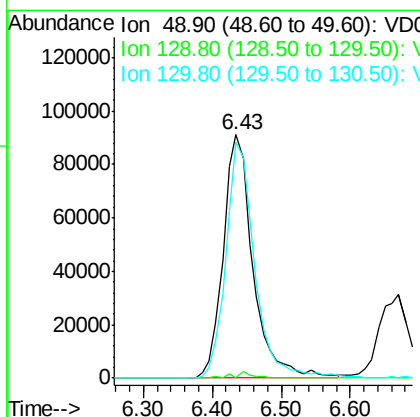
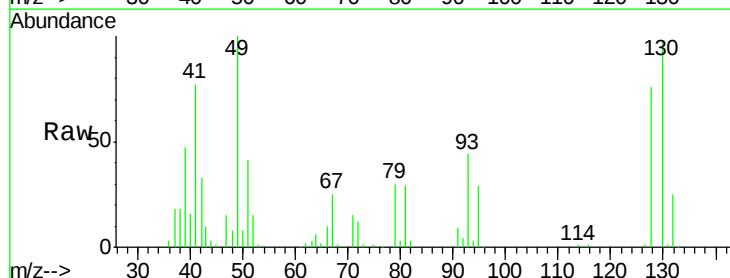
Manual Integrations
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#28
 Bromochloromethane
 Concen: 47.926 ug/l
 RT: 6.43 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	8.2
130	96.9	73.4	110.0





#29

Tetrahydrofuran

Concen: 238.209 ug/l

RT: 6.45 min Scan# 511

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

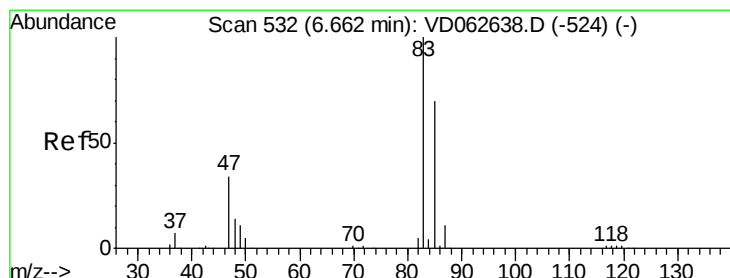
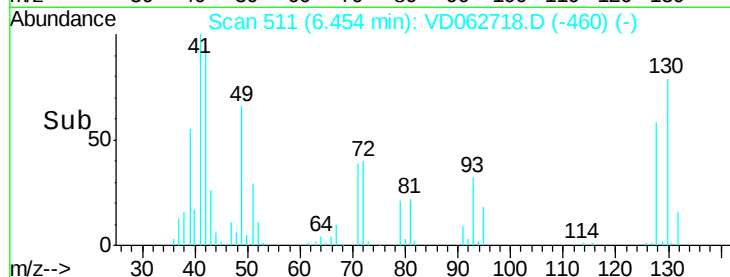
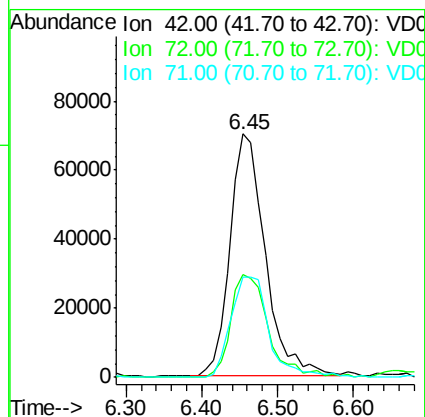
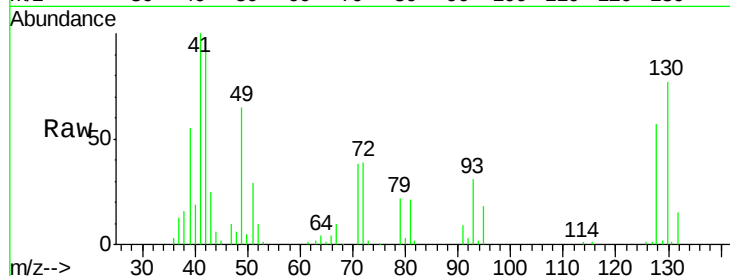
ClientSampleId :

VSTDCCC050

Tot Ion:	42	Resp:	226034
Ion Ratio	Lower	Upper	
42	100		
72	45.3	33.8	50.6
71	45.0	34.2	51.4

Manual Integrations
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#30

Chloroform

Concen: 49.464 ug/l

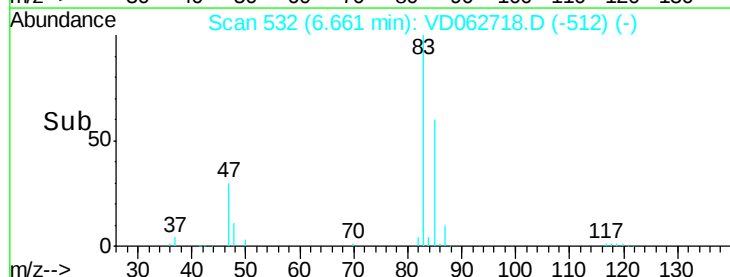
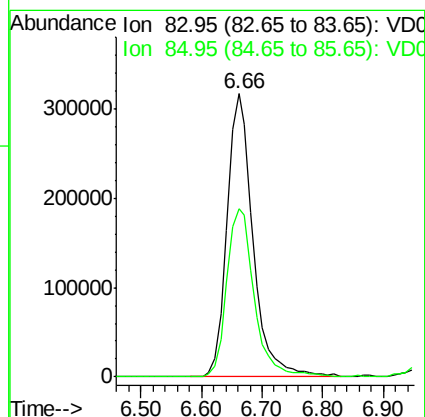
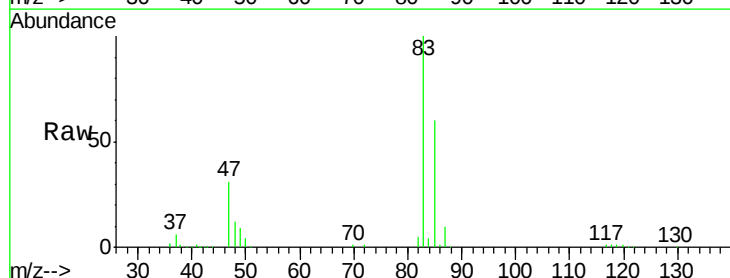
RT: 6.66 min Scan# 532

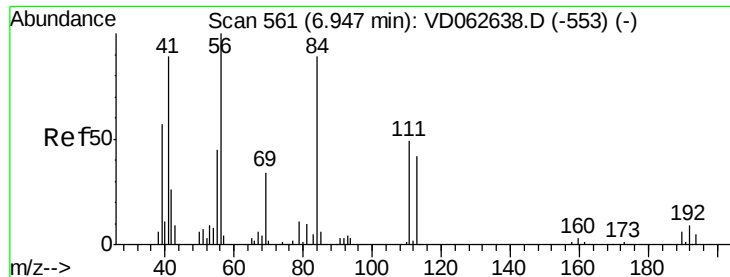
Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion:	83	Resp:	941695
Ion Ratio	Lower	Upper	
83	100		
85	59.6	55.8	83.6





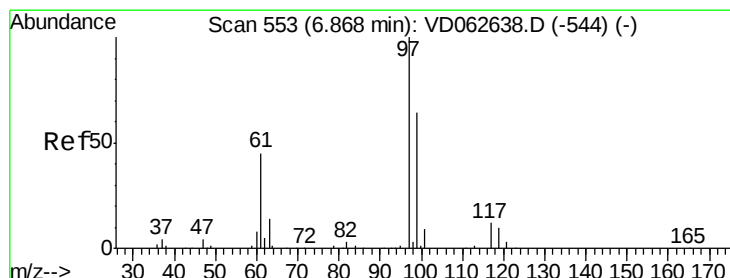
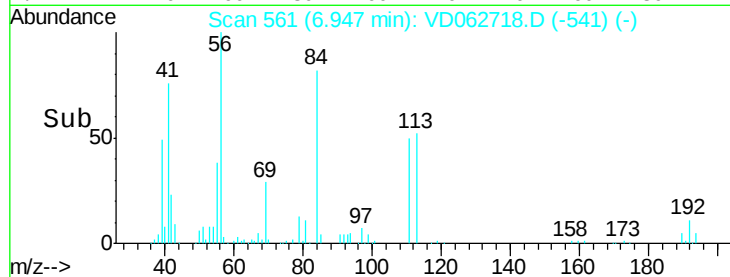
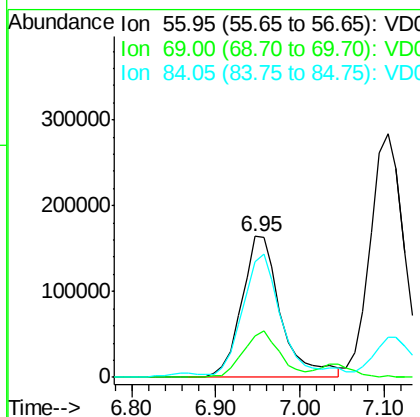
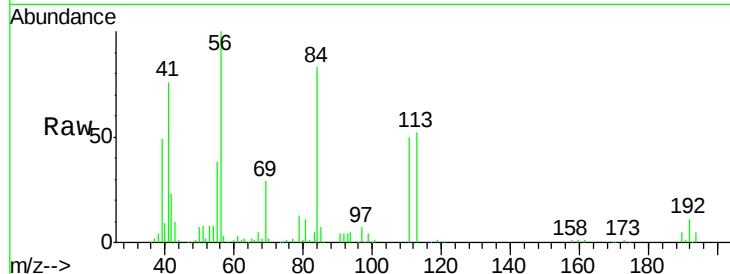
#31
Cyclohexane
Concen: 57.390 ug/l
RT: 6.95 min Scan# 561
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.2	26.8	40.2
84	82.6	73.9	110.9

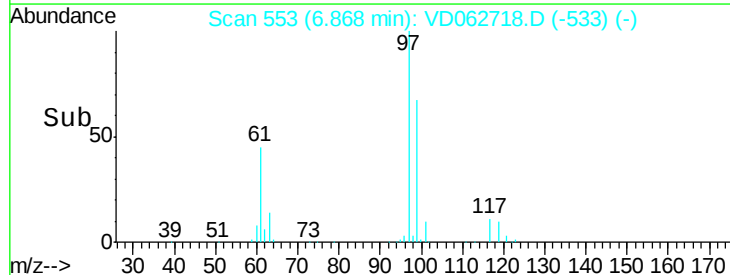
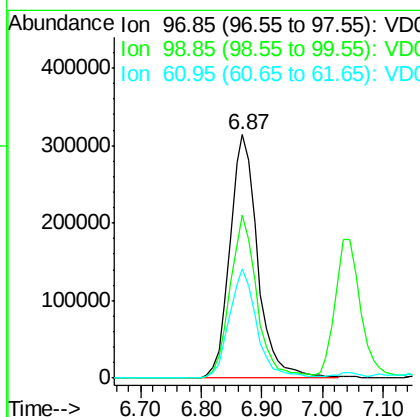
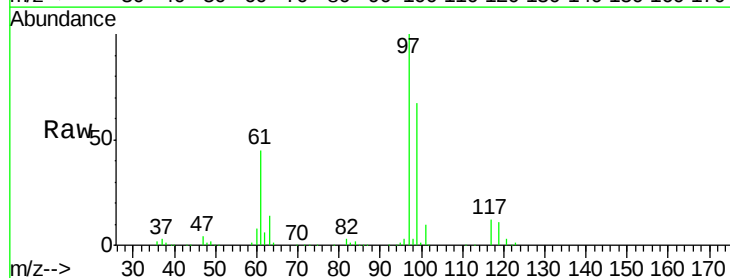
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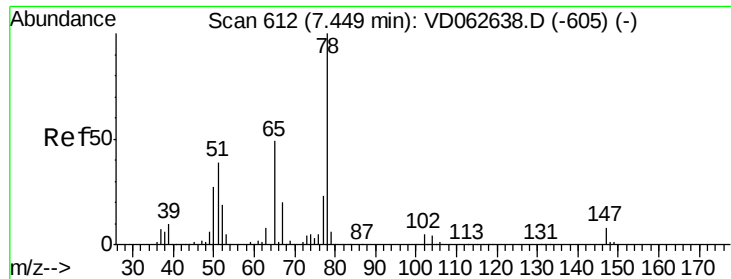
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#32
1,1,1-Trichloroethane
Concen: 52.824 ug/l
RT: 6.87 min Scan# 553
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
97	100		
99	67.2	51.4	77.0
61	44.8	35.6	53.4





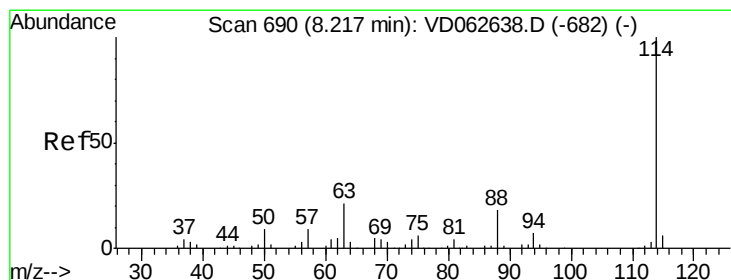
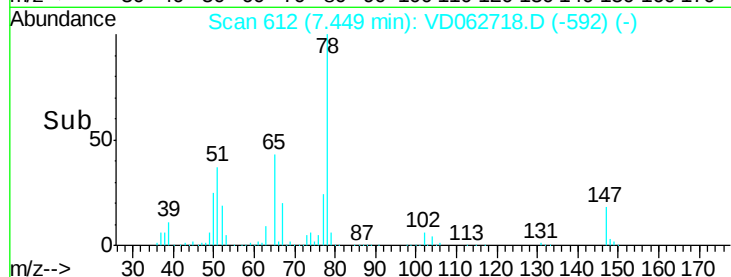
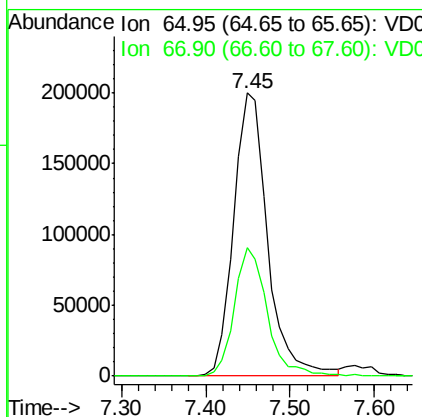
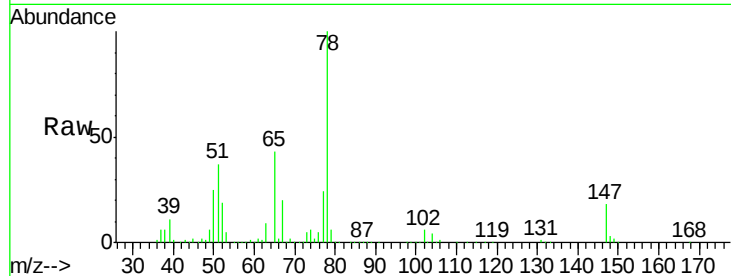
#33
 1,2-Dichloroethane-d4
 Concen: 47.568 ug/l
 RT: 7.45 min Scan# 612
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
65	100		
67	45.5	0.0	81.8

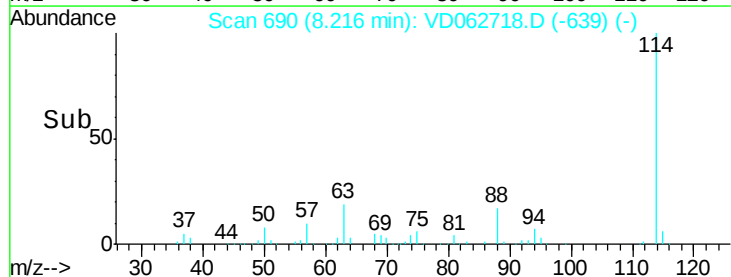
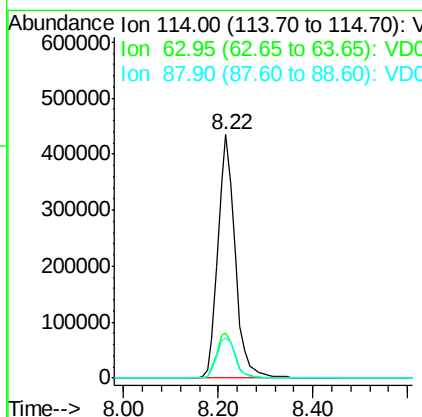
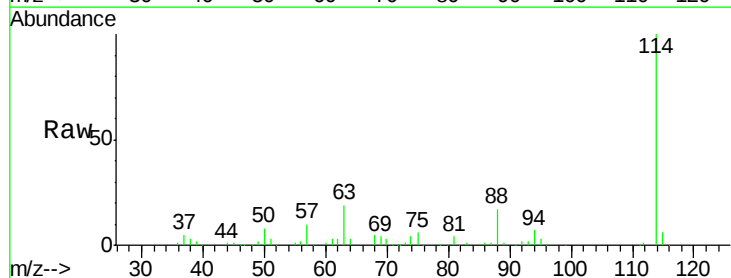
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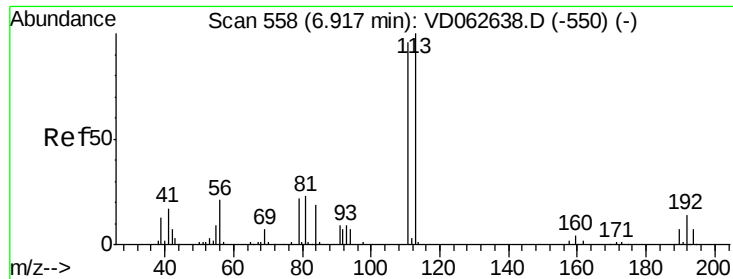
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.22 min Scan# 690
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	42.4
88	16.7	0.0	36.8





#35

Dibromofluoromethane

Concen: 49.437 ug/l

RT: 6.92 min Scan# 558

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

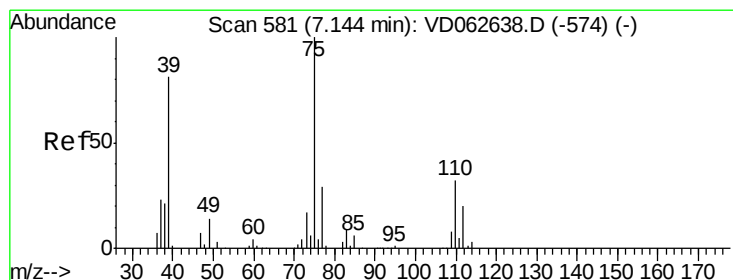
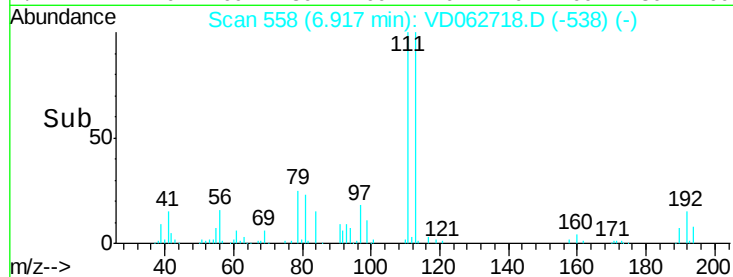
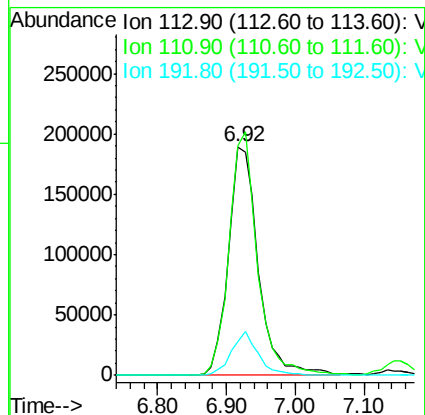
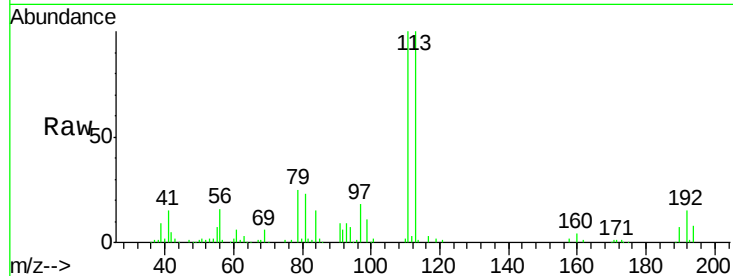
ClientSampleId :

VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
113	100	569528		
111	100.3		76.4	114.6
192	14.8		11.4	17.0

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#36

1,1-Dichloropropene

Concen: 49.661 ug/l

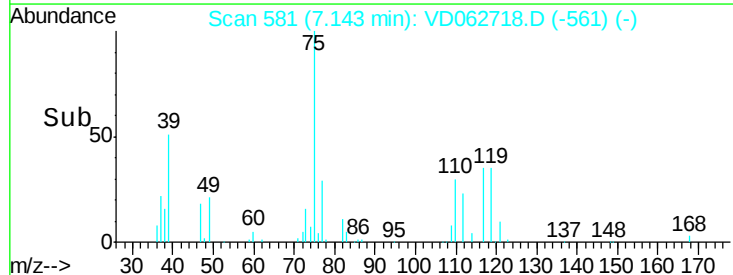
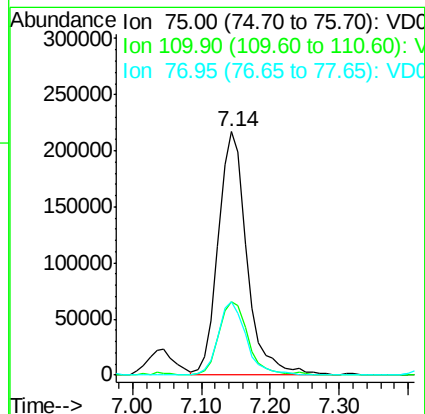
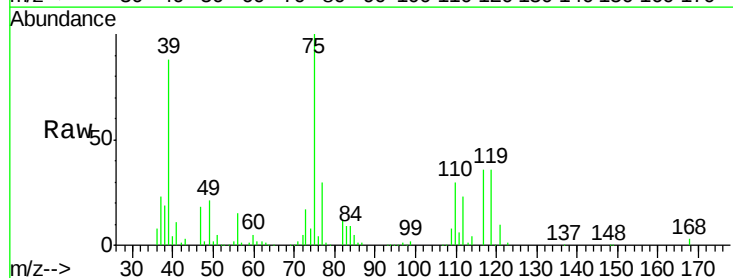
RT: 7.14 min Scan# 581

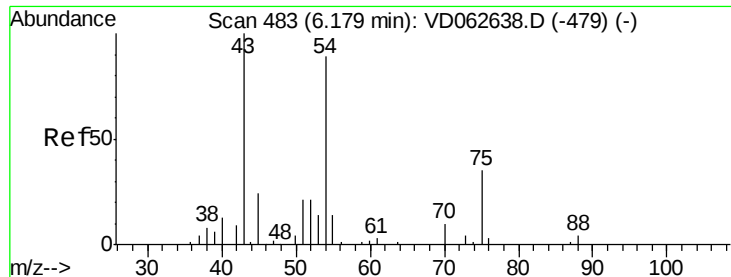
Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	620858		
110	30.3		15.9	47.7
77	30.3		23.3	34.9





#37

Ethyl Acetate

Concen: 50.622 ug/l

RT: 6.19 min Scan# 484

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

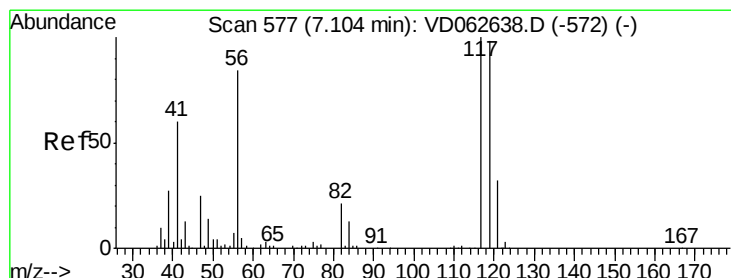
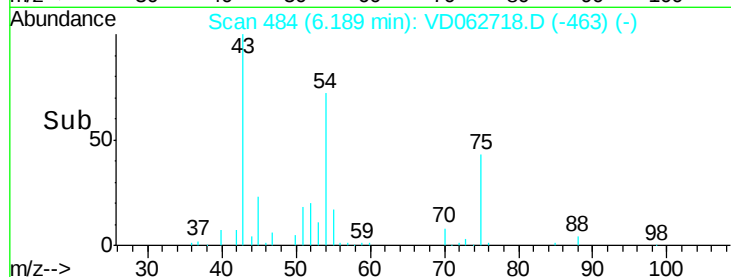
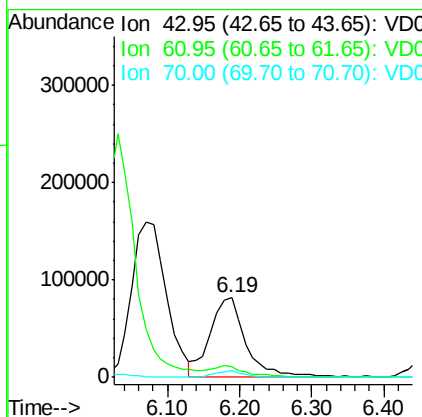
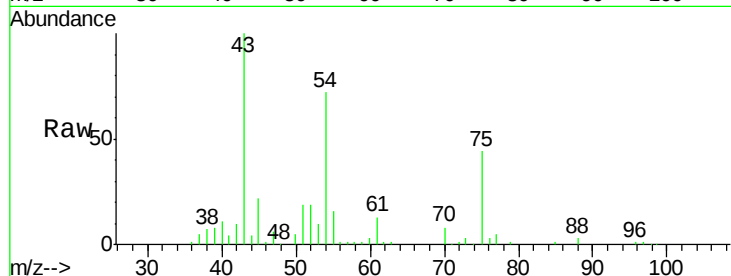
VSTDCCC050

Tot Ion: 43 Resp: 269928

Ion	Ratio	Lower	Upper
43	100		
61	13.3	8.7	13.1#
70	7.9	6.5	9.7

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 51.774 ug/l m

RT: 7.11 min Scan# 578

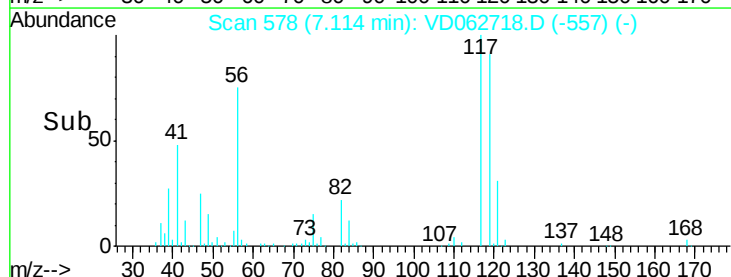
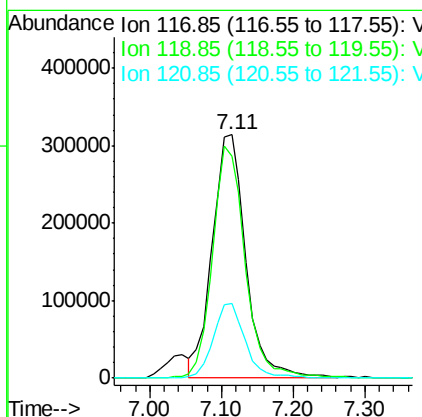
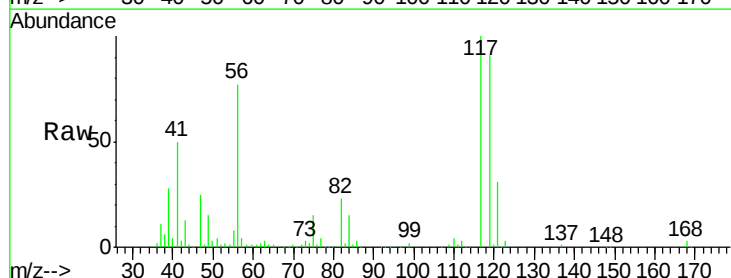
Delta R.T. 0.01 min

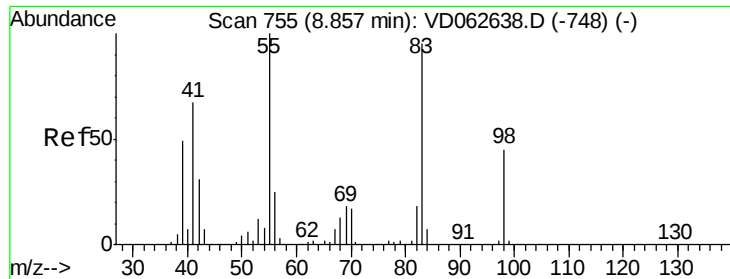
Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion: 117 Resp: 1023083

Ion	Ratio	Lower	Upper
117	100		
119	91.1	73.5	110.3
121	30.8	24.2	36.4





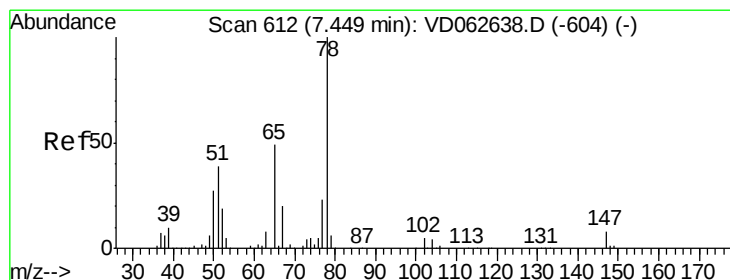
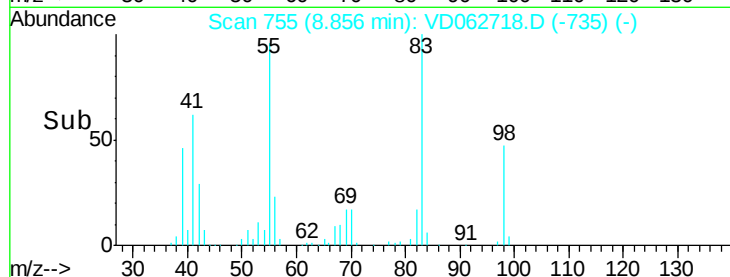
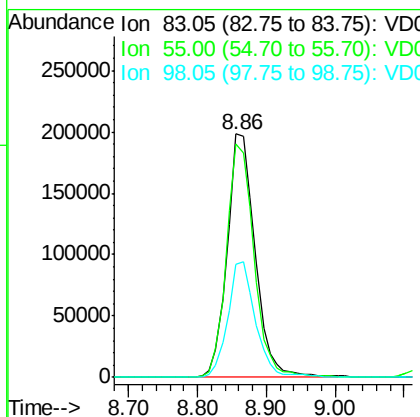
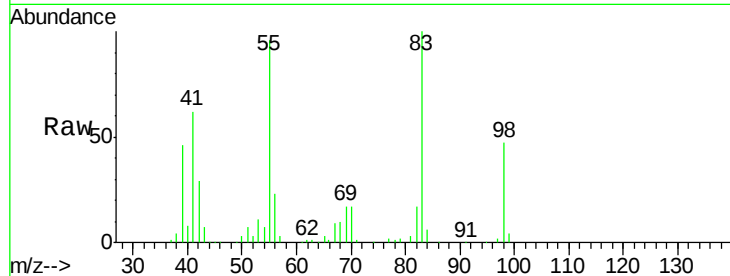
#39
Methvlcvclohexane
Concen: 55.236 ug/l
RT: 8.86 min Scan# 755
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.6	84.6	127.0
98	46.6	38.2	57.4

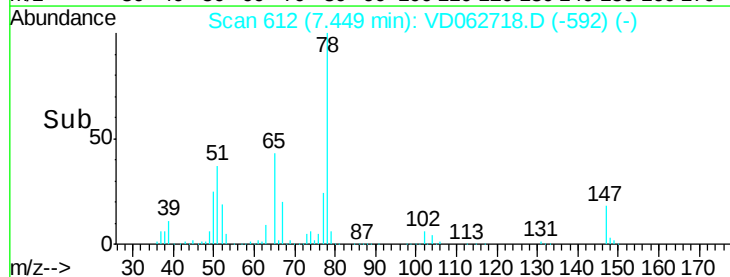
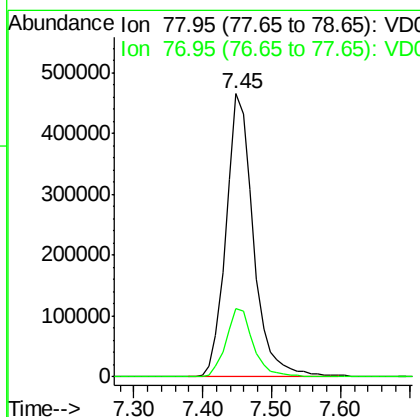
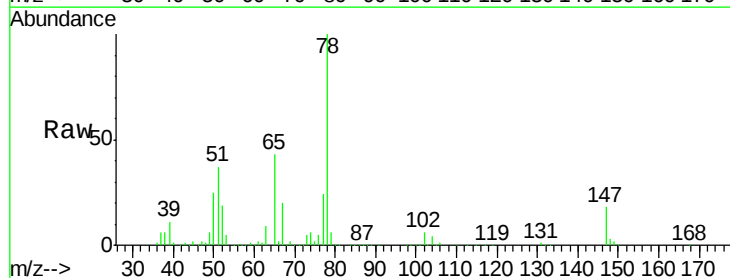
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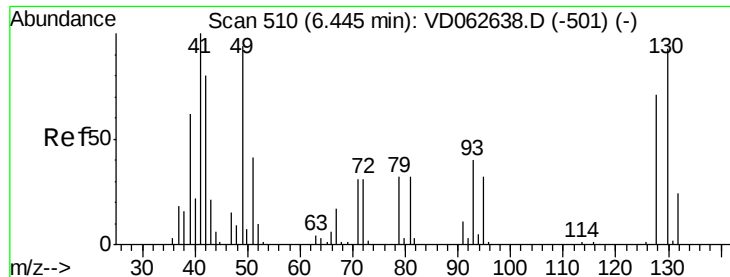
MMDadoda
6/19/2019 12:34:24 AM



#40
Benzene
Concen: 52.357 ug/l
RT: 7.45 min Scan# 612
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.1	18.6	28.0





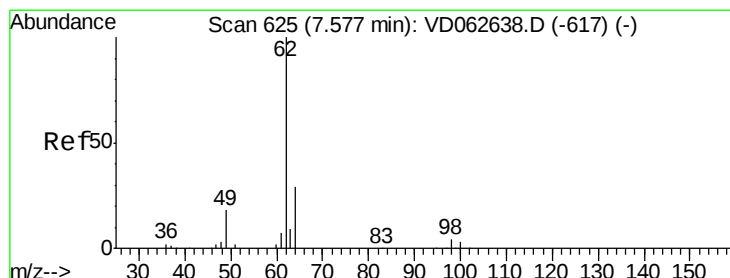
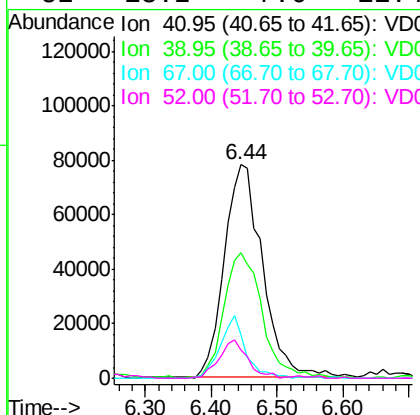
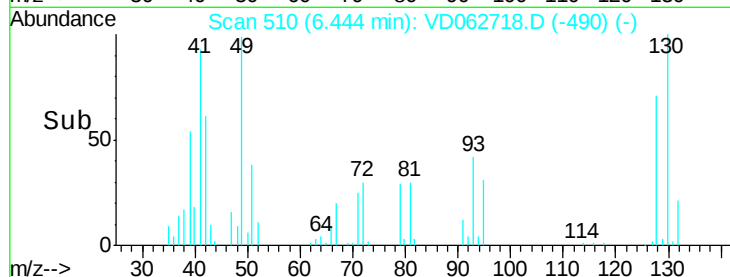
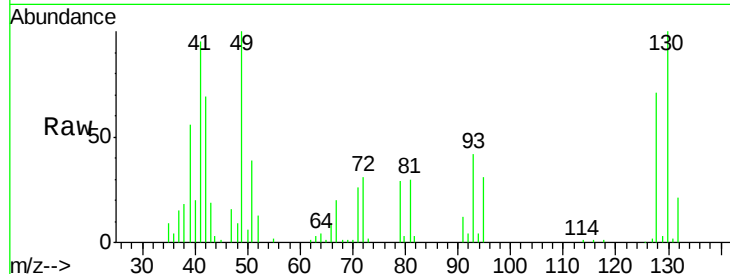
#41
Methacrylonitrile
Concen: 48.284 ug/l
RT: 6.44 min Scan# 510
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ion	Ratio	Lower	Upper
315990	41	100		
	39	58.5	49.2	73.8
	67	20.7	13.9	20.9
	52	13.2	7.6	11.4

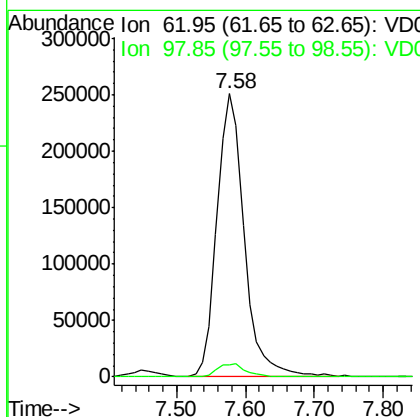
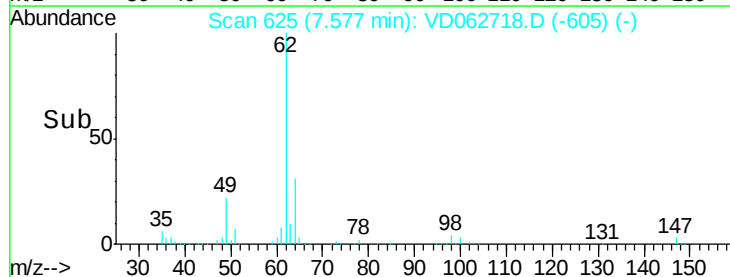
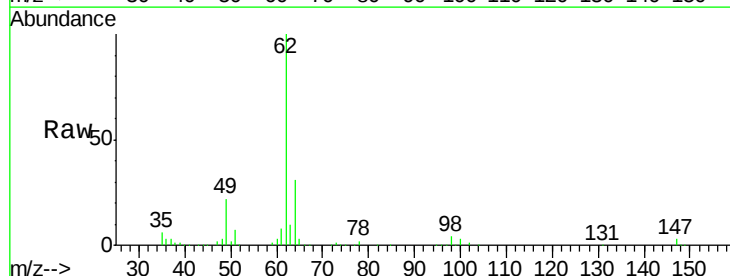
Manual Integrations
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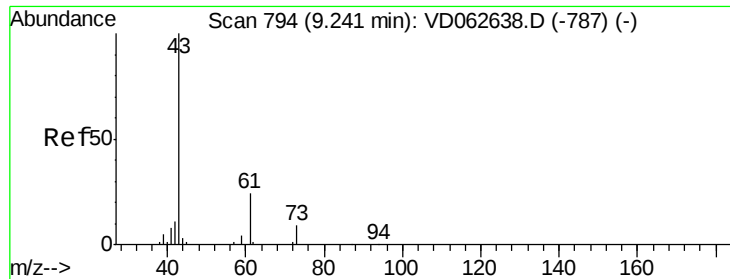
MMDadoda
6/19/2019 12:34:24 AM



#42
1,2-Dichloroethane
Concen: 47.567 ug/l
RT: 7.58 min Scan# 625
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ion	Ratio	Lower	Upper
692201	62	100		
	98	4.3	0.0	7.4





#43

Isopropyl Acetate

Concen: 52.539 ug/l

RT: 9.24 min Scan# 794

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

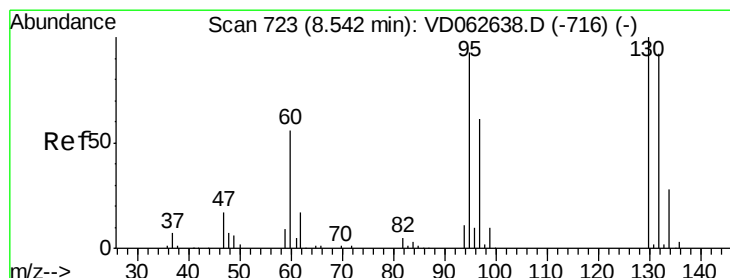
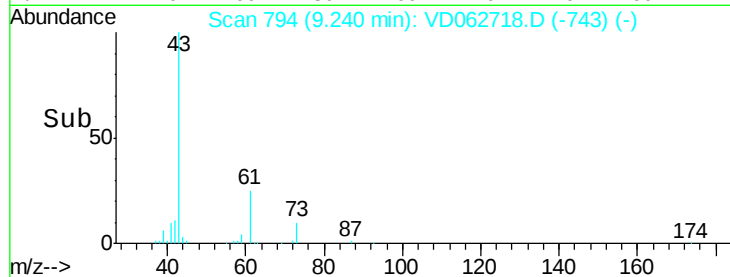
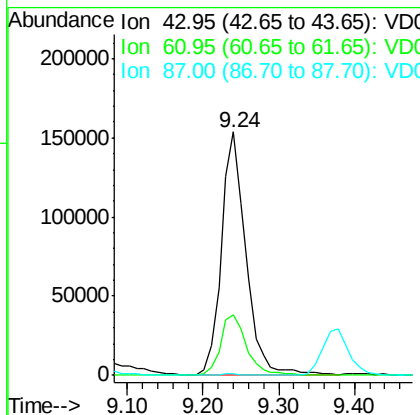
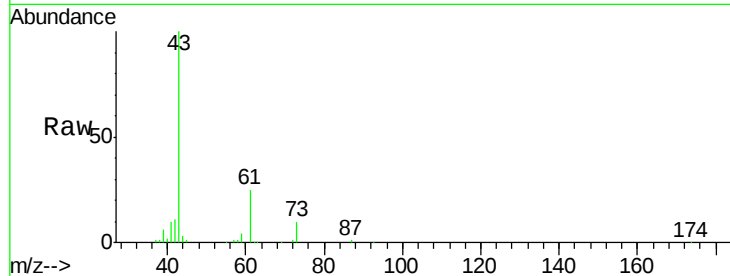
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	346573
Ion	Ratio	Lower	Upper
43	100		
61	24.8	19.0	28.6
87	0.5	0.3	0.5#

Manual Integrations
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6/19/2019 12:34:24 AM



#44

Trichloroethene

Concen: 51.080 ug/l

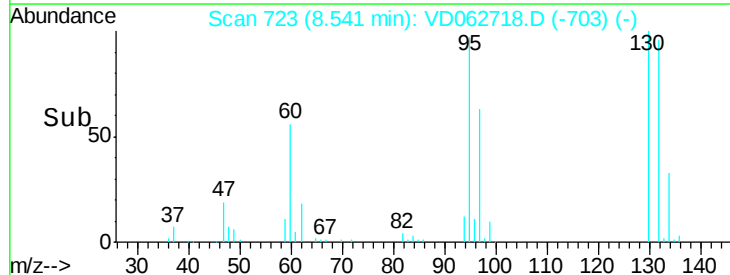
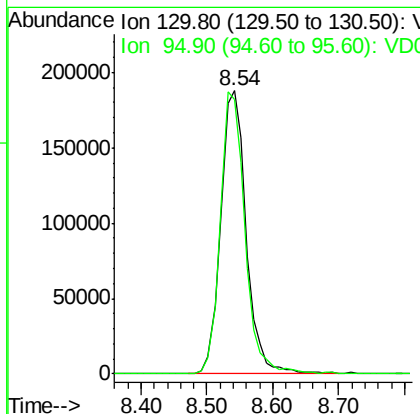
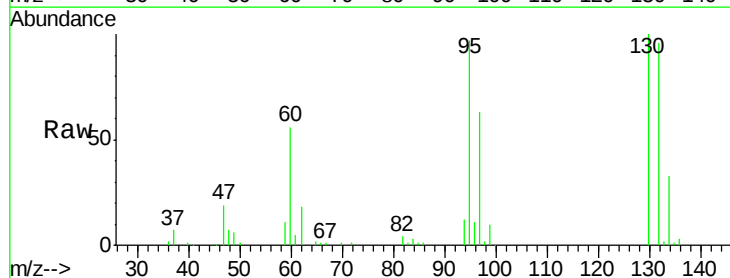
RT: 8.54 min Scan# 723

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion:	130	Resp:	506296
Ion	Ratio	Lower	Upper
130	100		
95	97.1	0.0	185.6





#45

1,2-Dichloropropane

Concen: 51.963 ug/l

RT: 8.94 min Scan# 763

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 304735

Ion Ratio Lower Upper

63 100

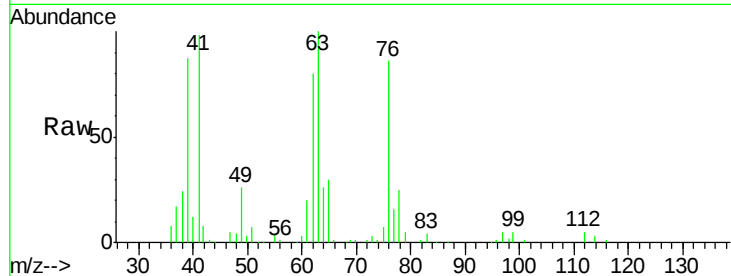
65 30.3 24.6 37.0

Manual Integrations

APPROVED

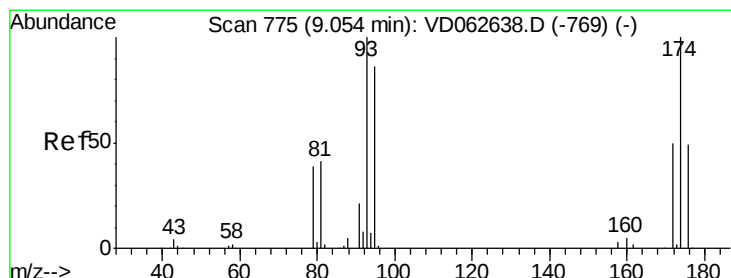
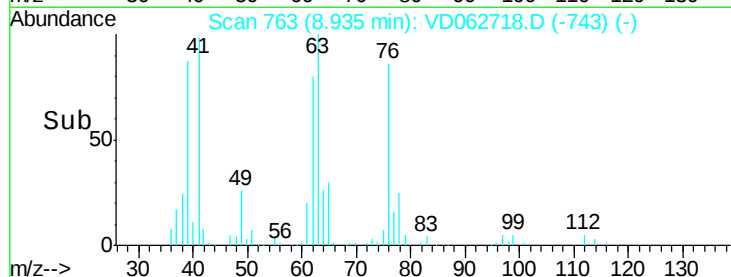
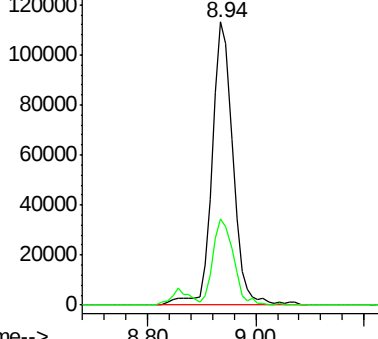
MMDadoda

6/19/2019 12:34:24 AM



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 51.234 ug/l

RT: 9.06 min Scan# 776

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

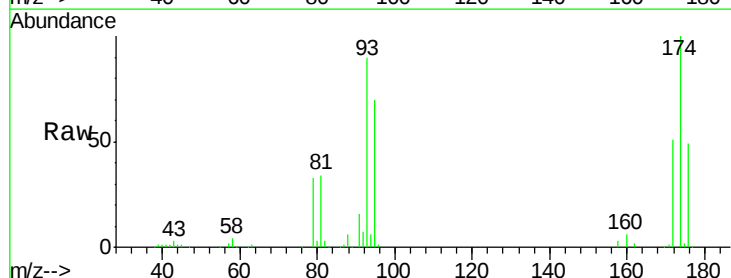
Tgt Ion: 93 Resp: 266703

Ion Ratio Lower Upper

93 100

95 77.1 68.7 103.1

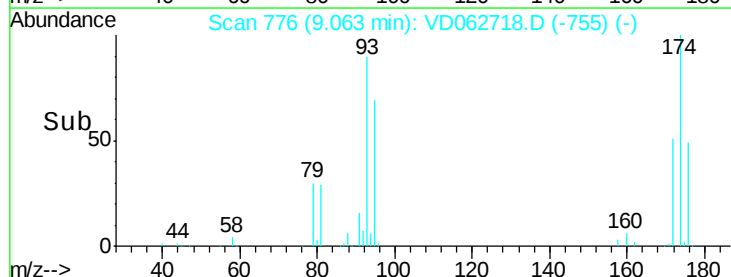
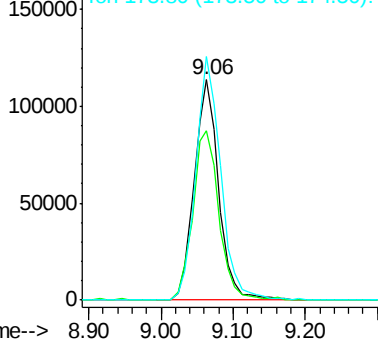
174 110.7 79.8 119.8

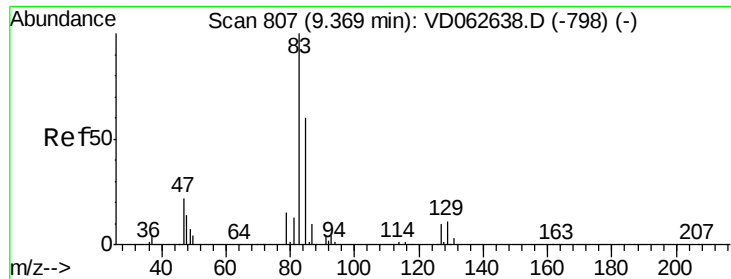


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 51.414 ug/l

RT: 9.37 min Scan# 807

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

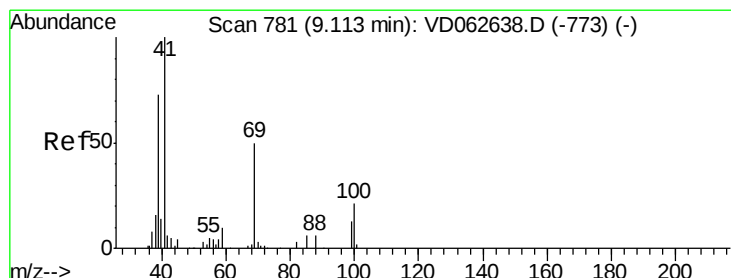
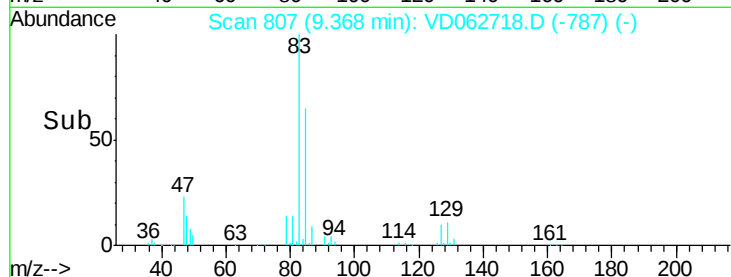
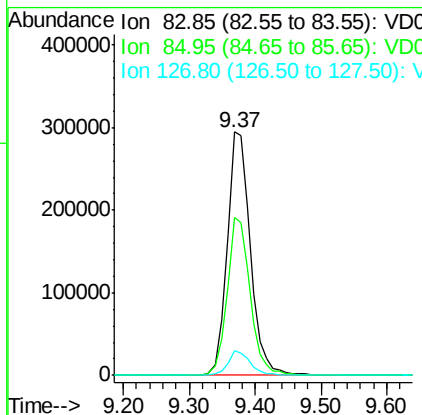
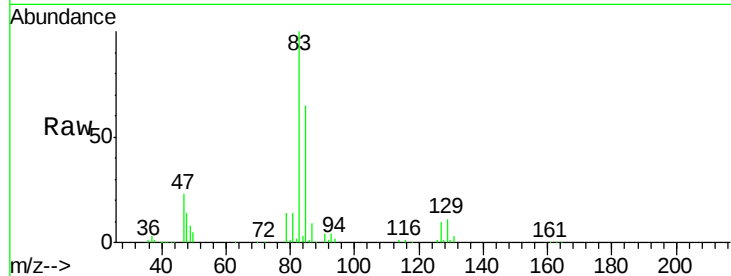
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	728047
Ion	Ratio	Lower	Upper
83	100		
85	64.7	47.9	71.9
127	10.4	8.2	12.4

Manual Integrations
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MMDadoda
6/19/2019 12:34:24 AM



#48

Methyl methacrylate

Concen: 49.848 ug/l

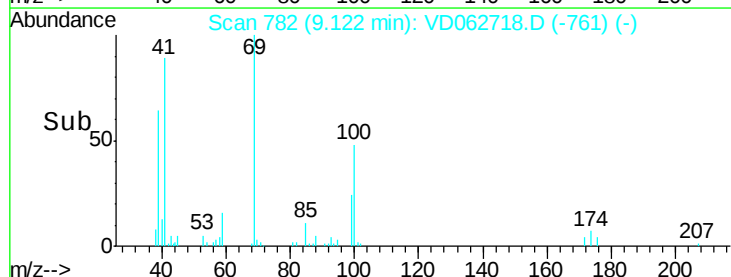
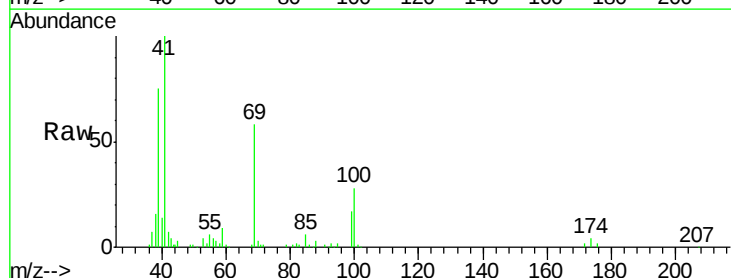
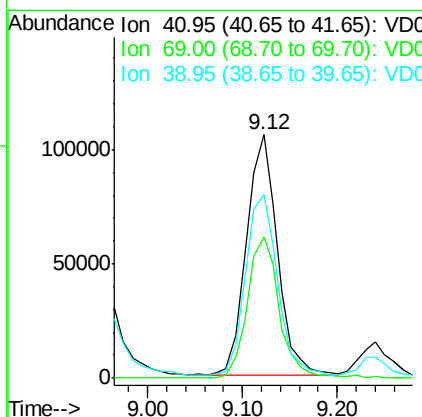
RT: 9.12 min Scan# 782

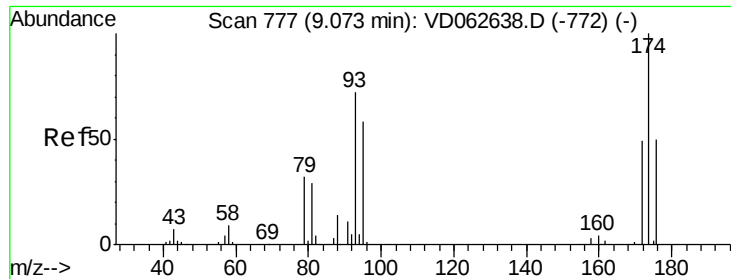
Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion:	41	Resp:	237557
Ion	Ratio	Lower	Upper
41	100		
69	58.3	39.8	59.6
39	75.2	59.1	88.7





#49

1,4-Dioxane

Concen: 949.278 ug/l

RT: 9.08 min Scan# 778

Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

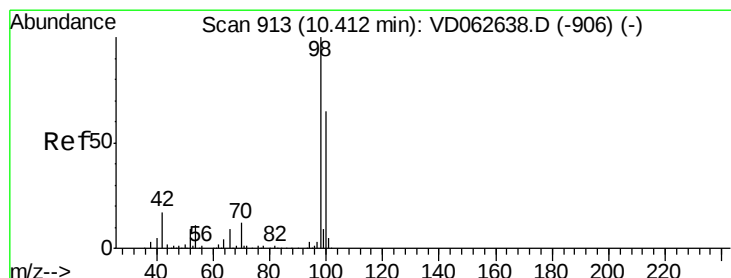
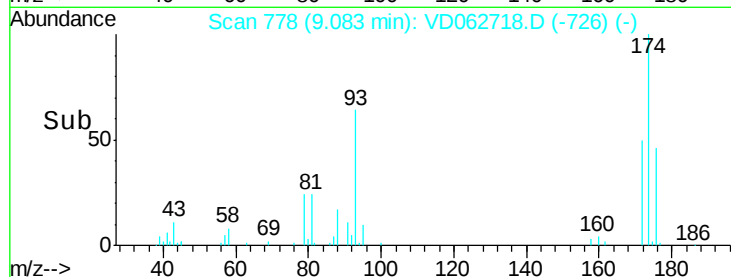
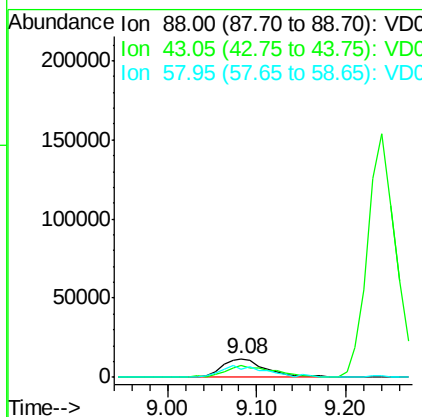
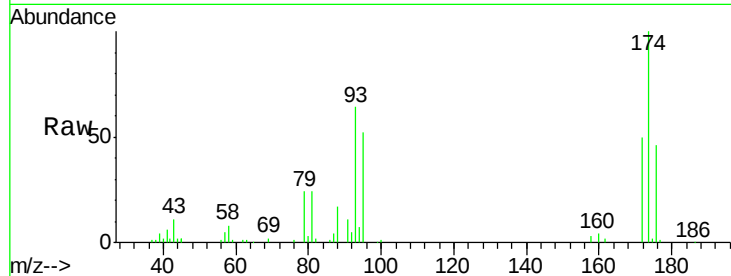
ClientSampleId :

VSTDCCC050

Tot Ion:	88	Resp:	40347
Ion	Ratio	Lower	Upper
88	100		
43	63.9	40.7	61.1#
58	45.5	54.2	81.4#

Manual Integrations
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6/19/2019 12:34:24 AM



#50

Toluene-d8

Concen: 52.359 ug/l

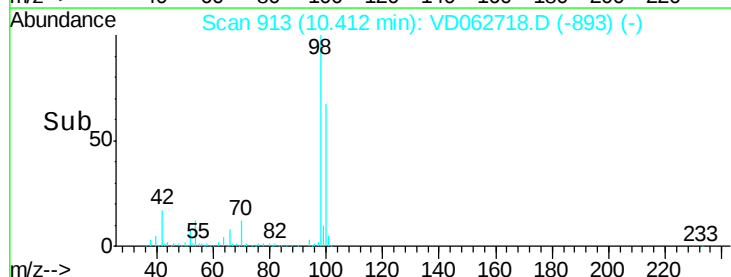
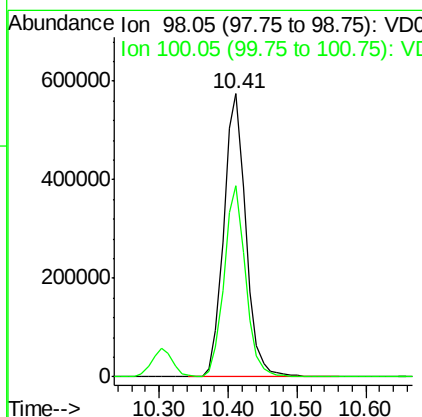
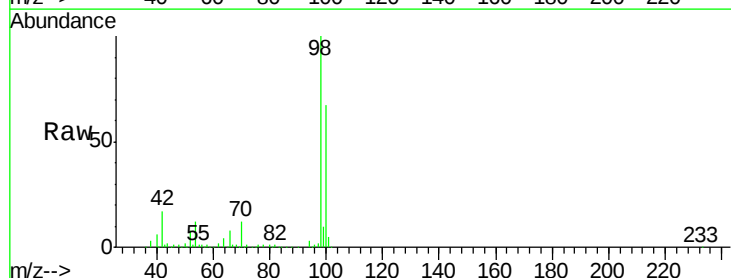
RT: 10.41 min Scan# 913

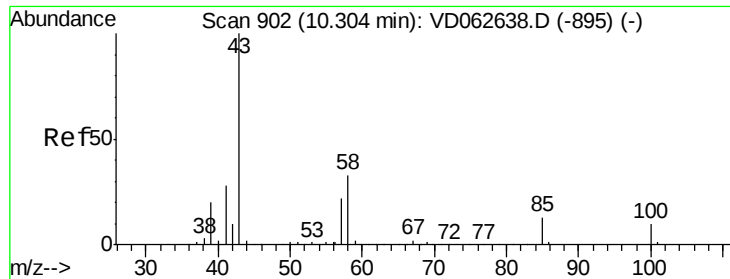
Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion:	98	Resp:	1268897
Ion	Ratio	Lower	Upper
98	100		
100	67.4	52.1	78.1





#51

4-Methyl-2-Pentanone

Concen: 263.887 ug/l

RT: 10.30 min Scan# 902

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 1218030

Ion Ratio Lower Upper

43 100

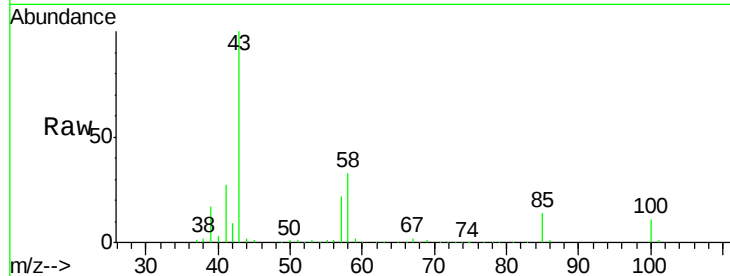
58 32.6 26.1 39.1

Manual Integrations

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MMDadoda

6/19/2019 12:34:24 AM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.30

500000

400000

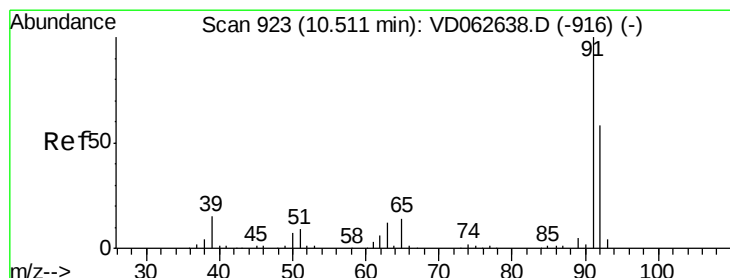
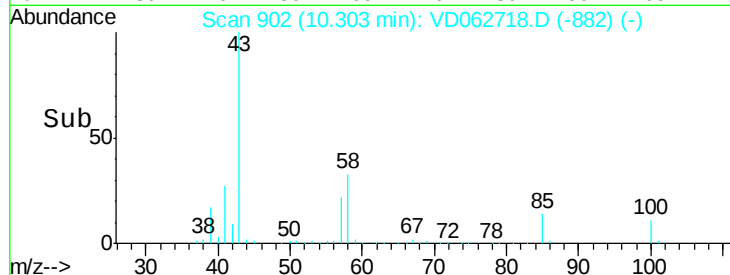
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 52.293 ug/l

RT: 10.51 min Scan# 923

Delta R.T. -0.00 min

Lab File: VD062718.D

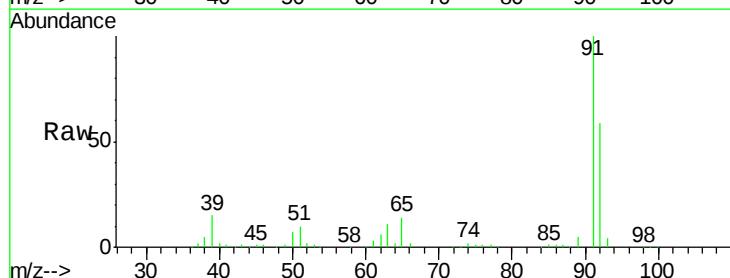
Acq: 17 Jun 2019 11:02

Tgt Ion: 92 Resp: 858196

Ion Ratio Lower Upper

92 100

91 169.0 137.0 205.6



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

10.51

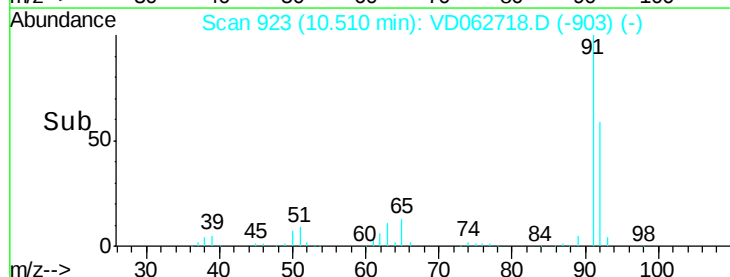
600000

400000

200000

0

Time-->





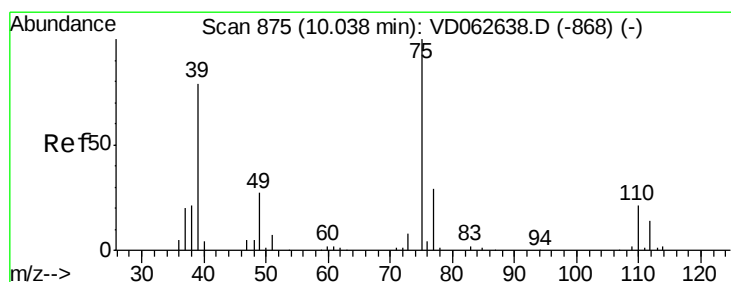
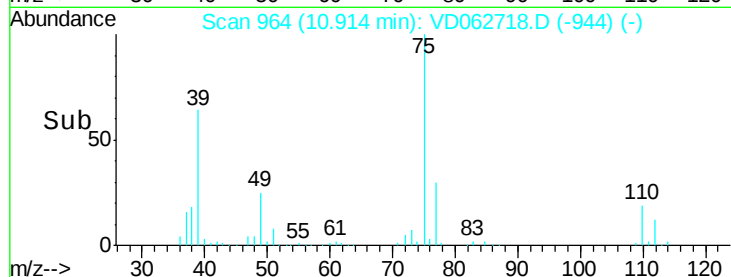
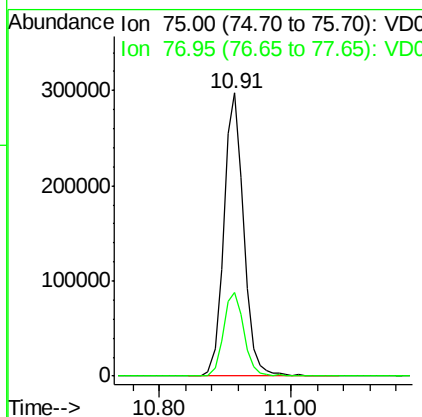
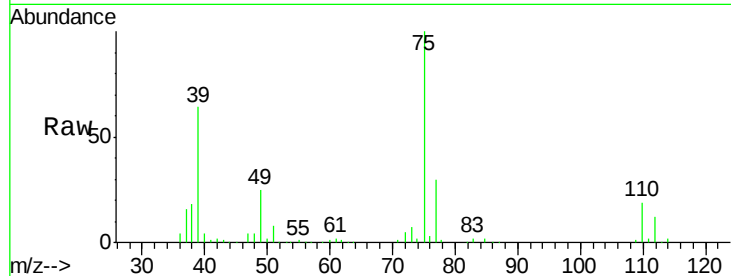
#53
t-1,3-Dichloropropene
Concen: 53.848 ug/l
RT: 10.91 min Scan# 964
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 625175
Ion Ratio Lower Upper
75 100
77 29.6 24.1 36.1

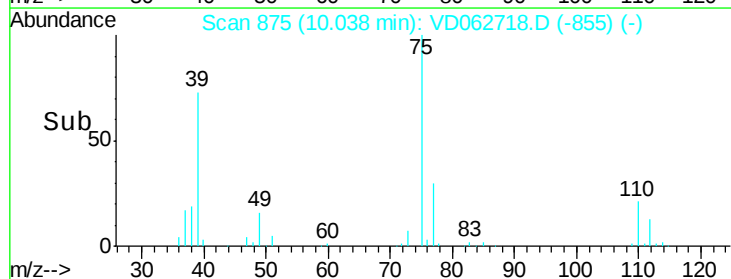
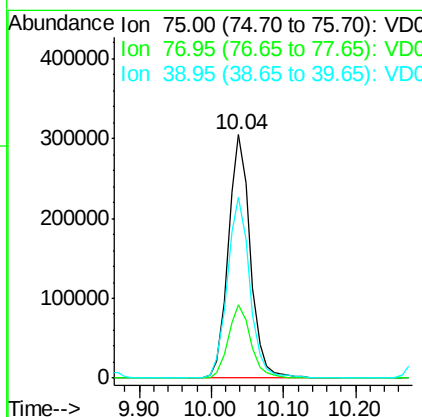
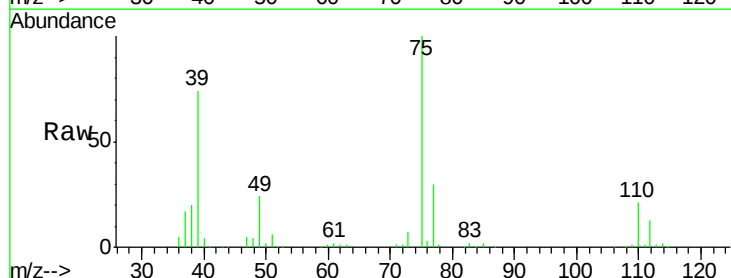
Manual Integrations
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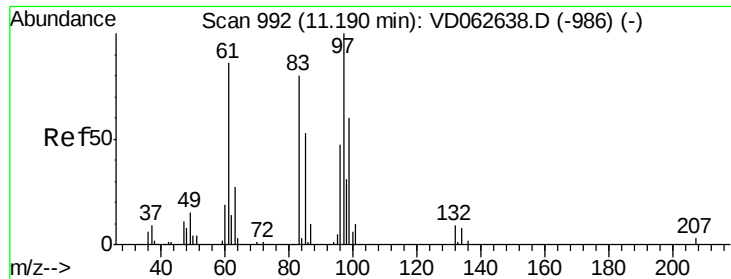
MMDadoda
6/19/2019 12:34:24 AM



#54
cis-1,3-Dichloropropene
Concen: 54.003 ug/l
RT: 10.04 min Scan# 875
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 75 Resp: 648004
Ion Ratio Lower Upper
75 100
77 30.0 23.1 34.7
39 74.2 63.4 95.2





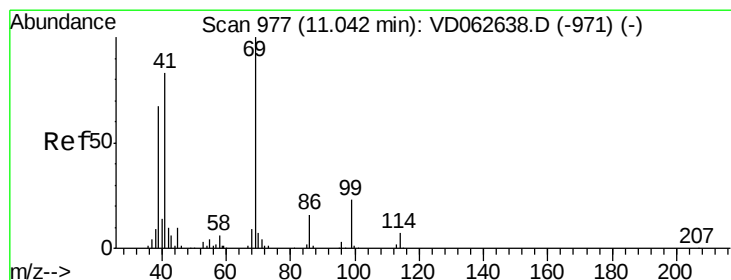
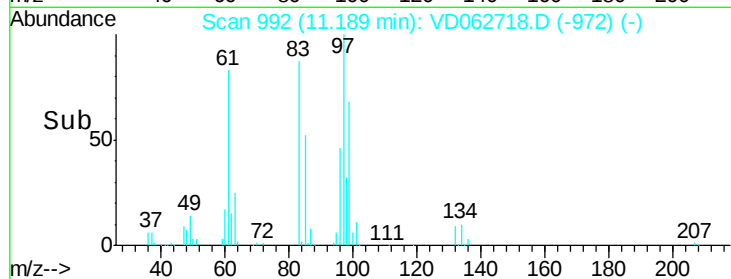
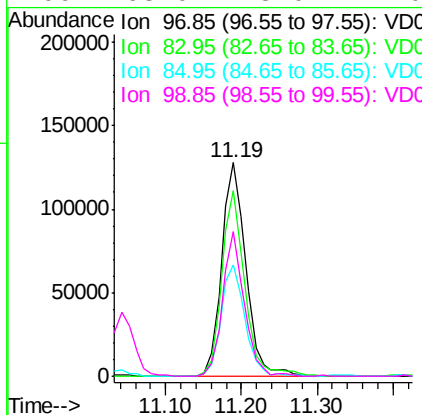
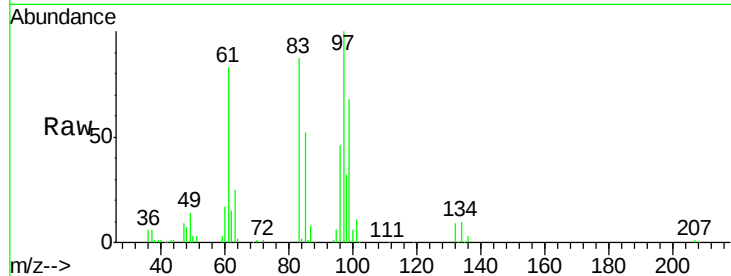
#55
 1,1,2-Trichloroethane
 Concen: 49.937 ug/l
 RT: 11.19 min Scan# 992
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	281054
Ion	Ratio	Lower	Upper
97	100		
83	86.9	63.8	95.8
85	52.2	42.3	63.5
99	68.0	48.0	72.0

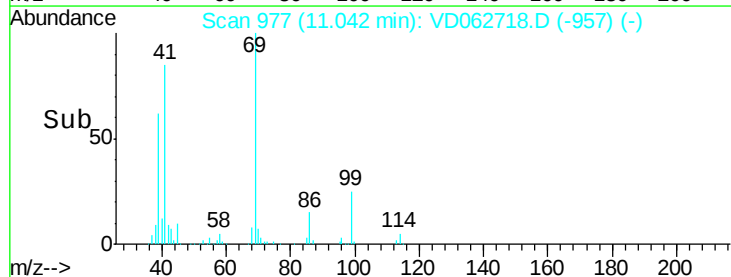
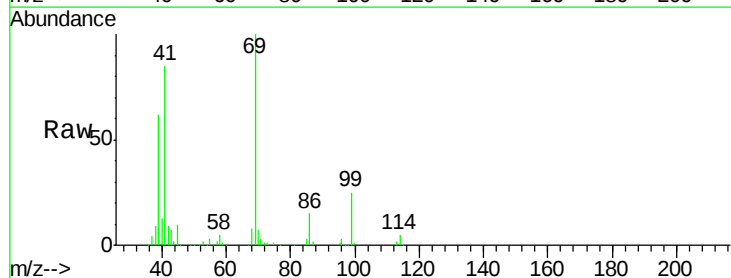
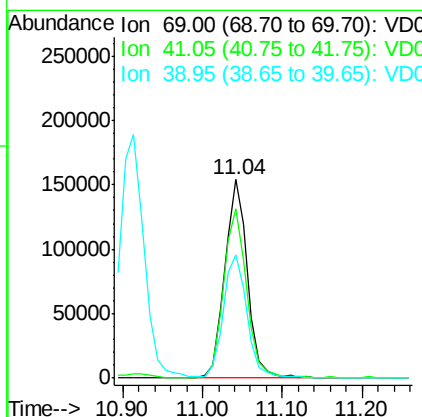
Manual Integrations
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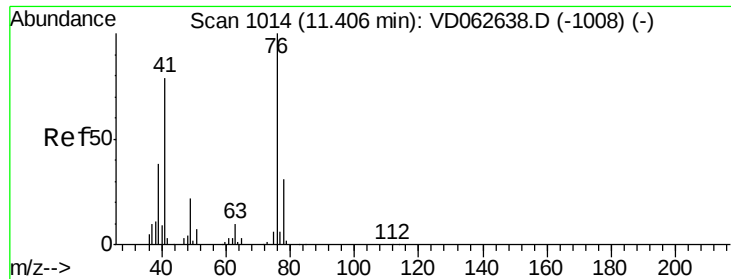
MMDadoda
 6/19/2019 12:34:24 AM



#56
 Ethyl methacrylate
 Concen: 45.944 ug/l
 RT: 11.04 min Scan# 977
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:	69	Resp:	309205
Ion	Ratio	Lower	Upper
69	100		
41	85.1	66.2	99.4
39	61.9	53.8	80.8





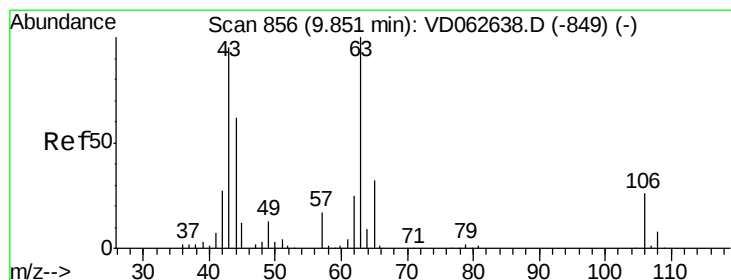
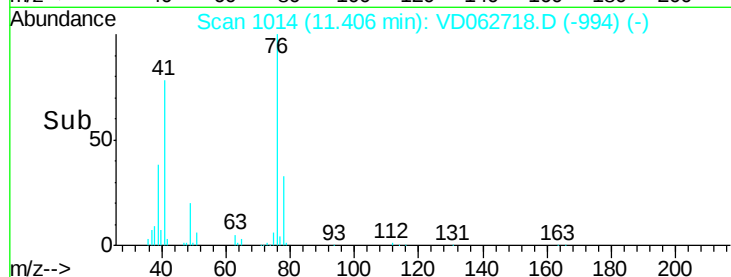
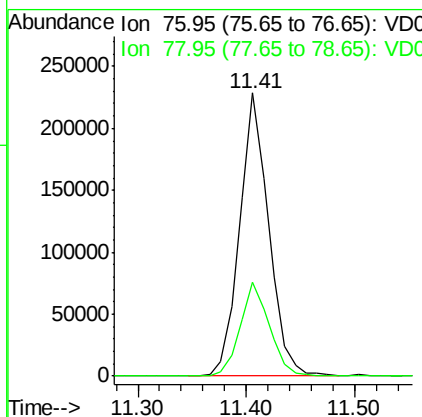
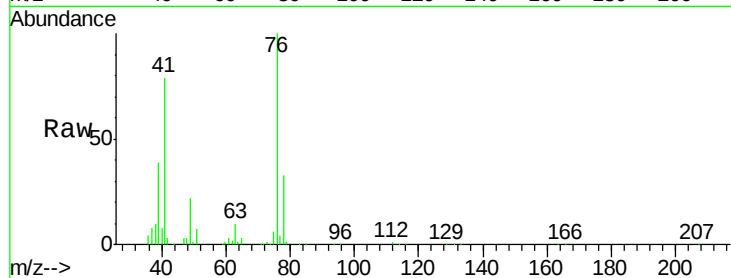
#57
 1,3-Dichloropropane
 Concen: 48.747 ug/l
 RT: 11.41 min Scan# 1014
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 425229
 Ion Ratio Lower Upper
 76 100
 78 33.2 24.9 37.3

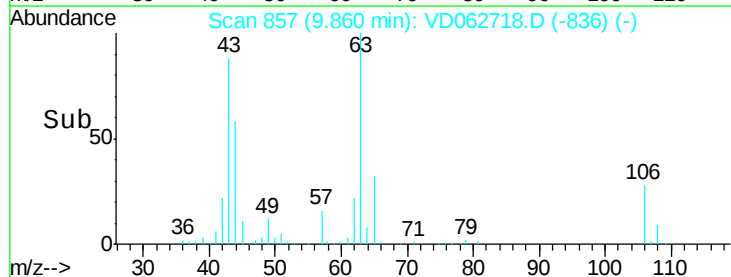
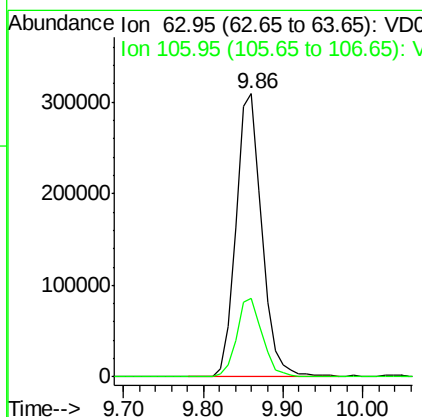
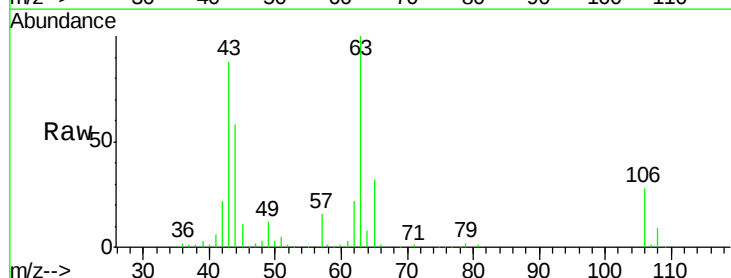
Manual Integrations
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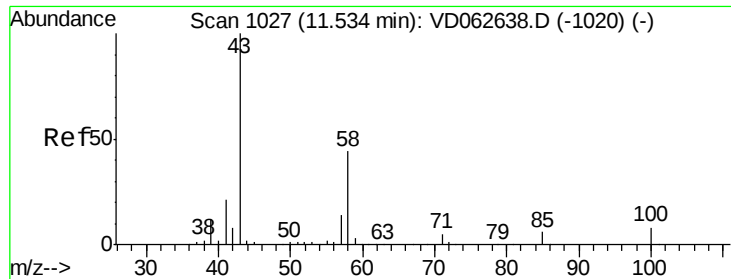
MMDadoda
 6/19/2019 12:34:24 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 231.355 ug/l
 RT: 9.86 min Scan# 857
 Delta R.T. 0.01 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion: 63 Resp: 695938
 Ion Ratio Lower Upper
 63 100
 106 27.9 20.5 30.7





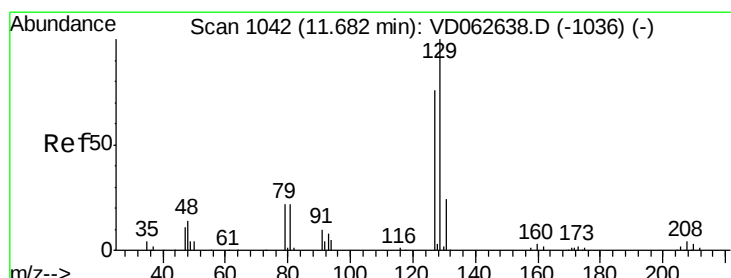
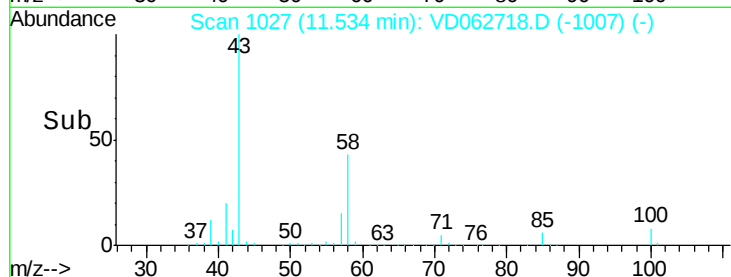
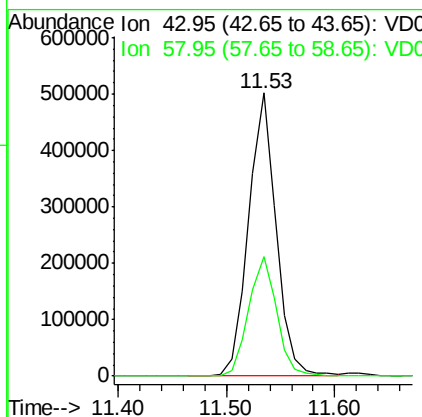
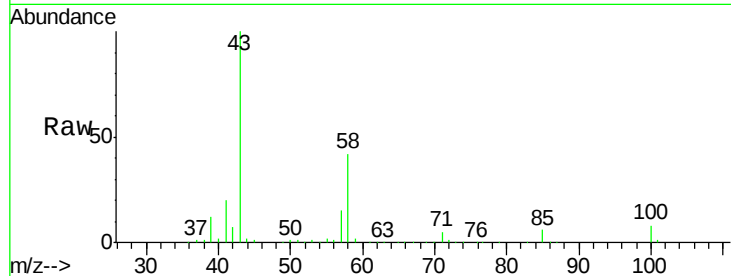
#59
2-Hexanone
Concen: 260.411 ug/l
RT: 11.53 min Scan# 1027
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 894112
Ion Ratio Lower Upper
43 100
58 42.4 21.8 65.4

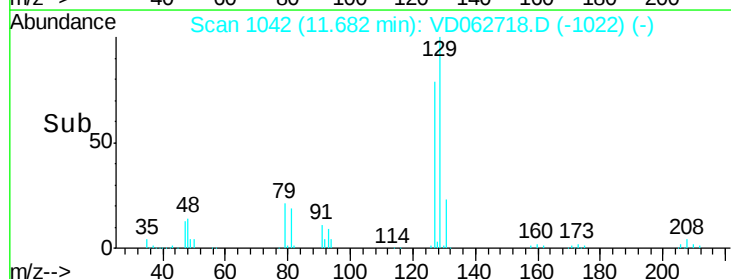
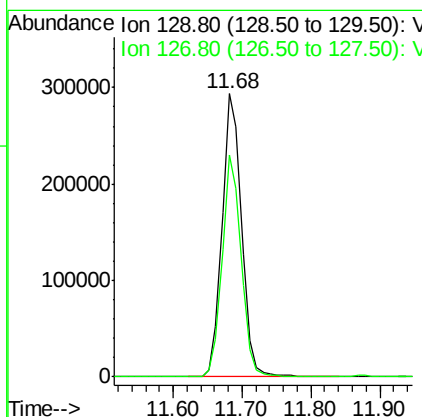
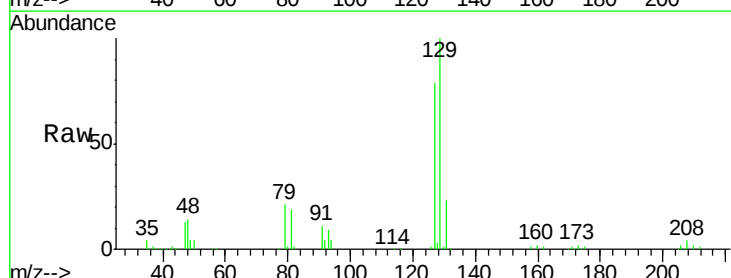
Manual Integrations
APPROVED

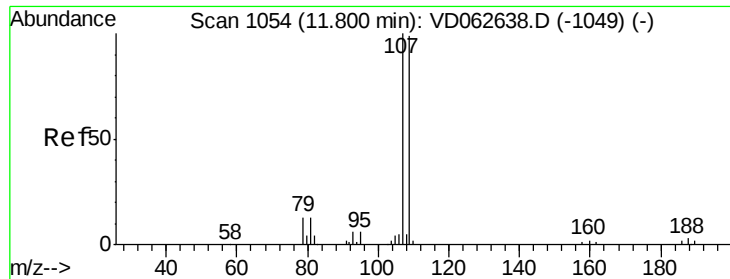
MMDadoda
6/19/2019 12:34:24 AM



#60
Dibromochloromethane
Concen: 51.678 ug/l
RT: 11.68 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 129 Resp: 574148
Ion Ratio Lower Upper
129 100
127 78.6 38.0 114.1





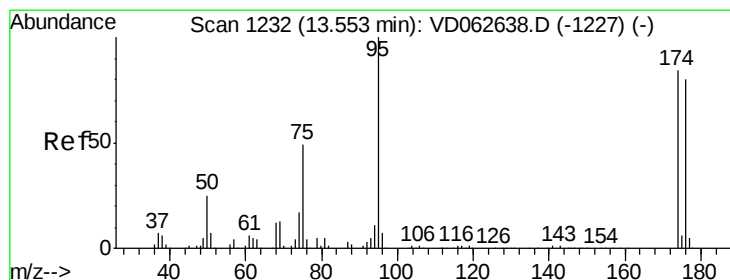
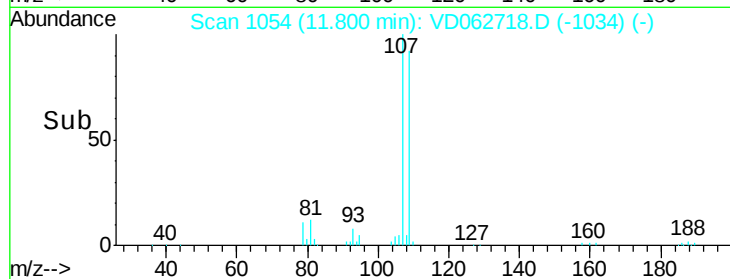
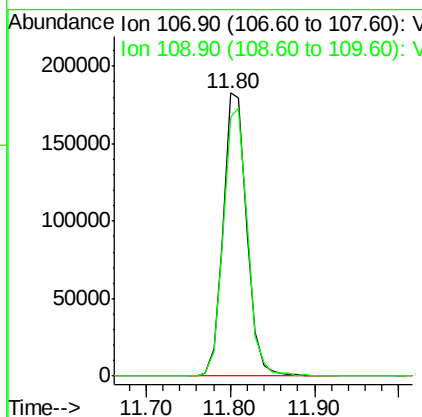
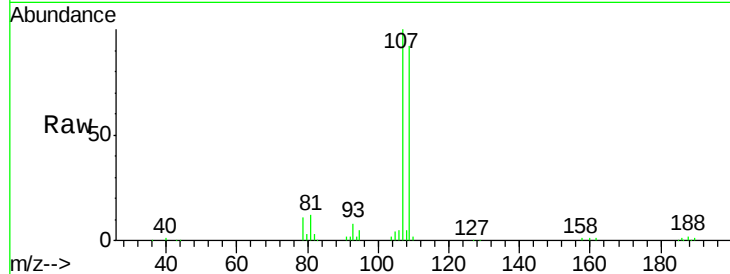
#61
 1,2-Dibromoethane
 Concen: 52.731 ug/l
 RT: 11.80 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
107	100		
109	91.6	79.2	118.8

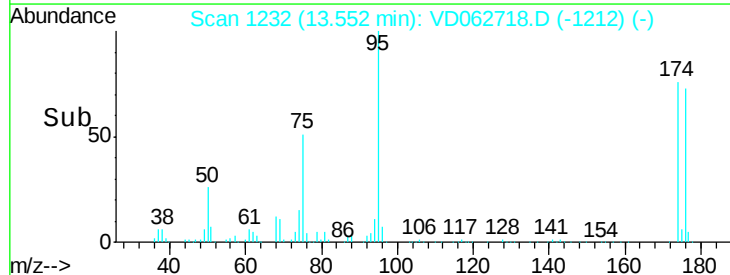
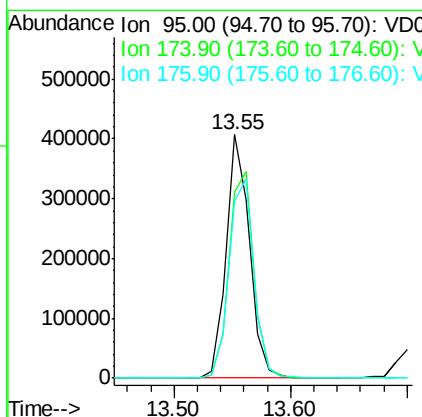
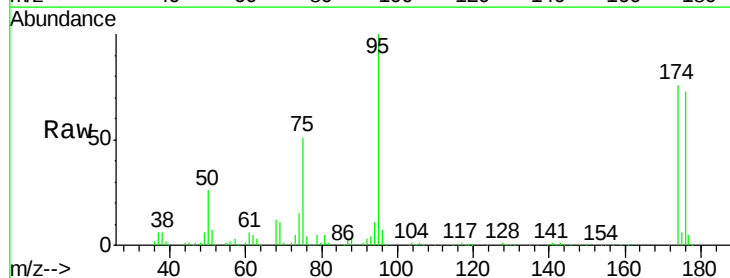
Manual Integrations
 APPROVED

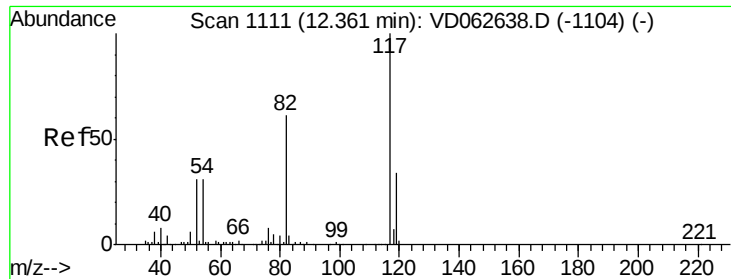
MMDadoda
 6/19/2019 12:34:24 AM



#62
 4-Bromofluorobenzene
 Concen: 49.747 ug/l
 RT: 13.55 min Scan# 1232
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.5	0.0	167.0
176	72.9	0.0	159.2





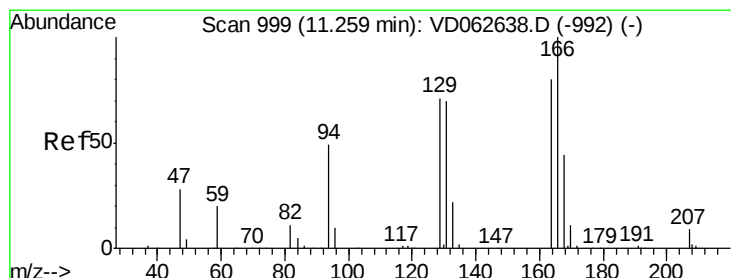
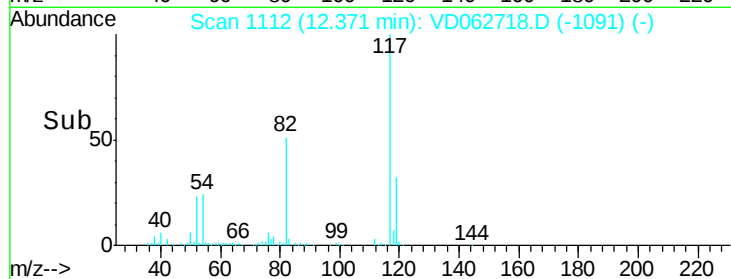
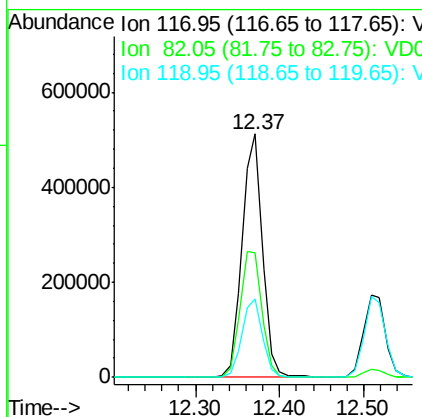
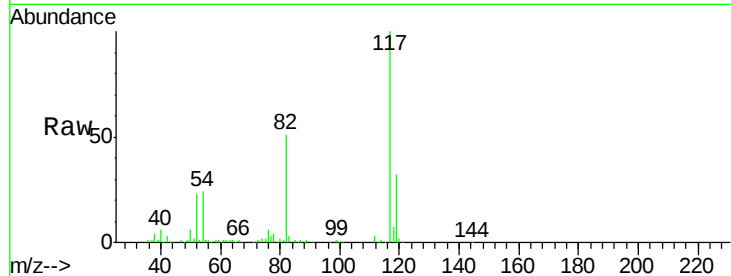
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.37 min Scan# 1112
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
117	100	863893		
82	51.4	48.7	73.1	
119	32.3	27.0	40.6	

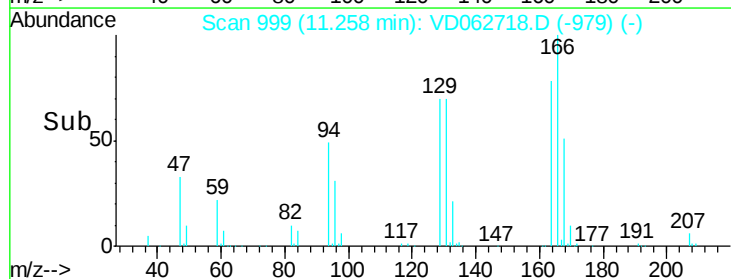
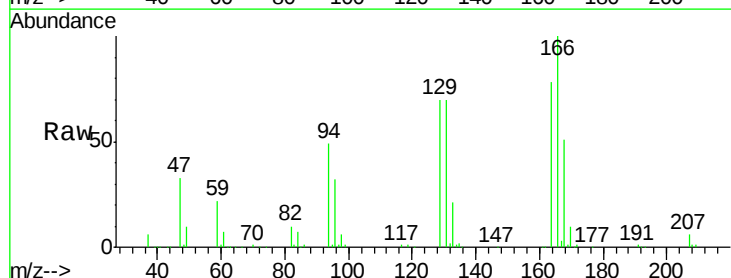
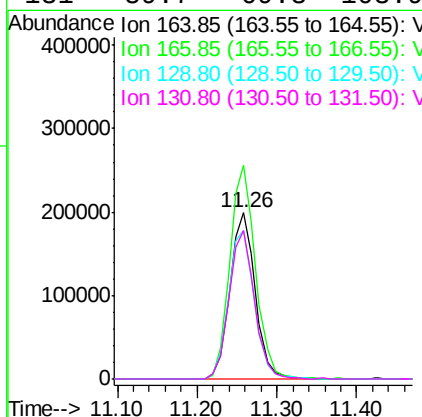
Manual Integrations
APPROVED

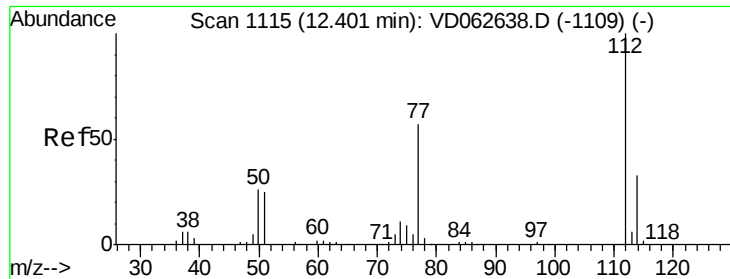
MMDadoda
6/19/2019 12:34:24 AM



#64
Tetrachloroethene
Concen: 54.730 ug/l
RT: 11.26 min Scan# 999
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	442603		
166	128.6	99.4	149.2	
129	89.5	70.2	105.4	
131	89.7	69.3	103.9	





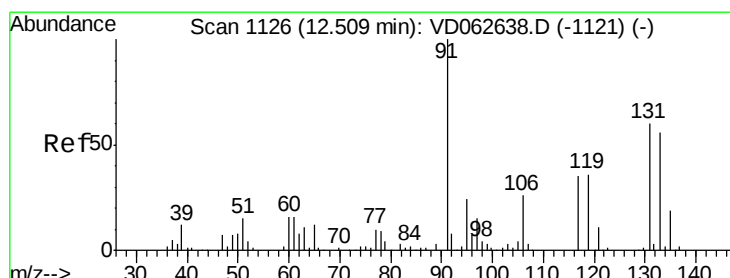
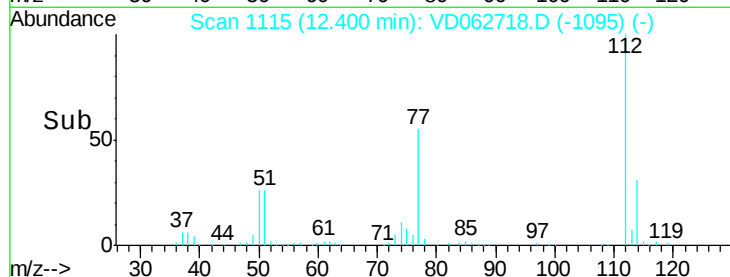
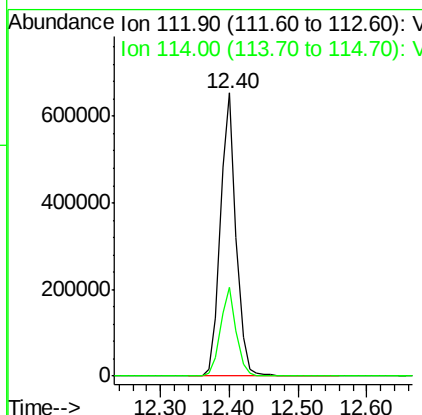
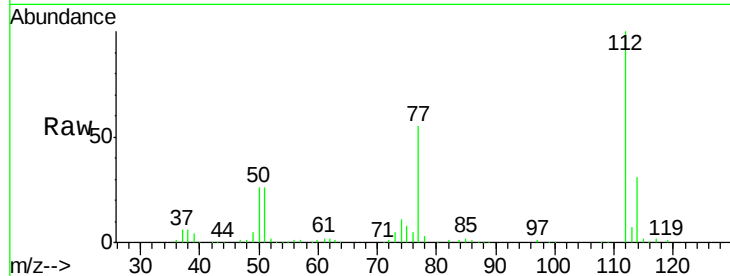
#65
Chlorobenzene
Concen: 53.653 ug/l
RT: 12.40 min Scan# 1115
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 1025244
Ion Ratio Lower Upper
112 100
114 31.4 26.3 39.5

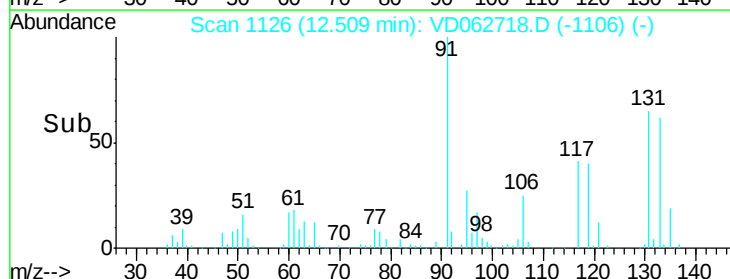
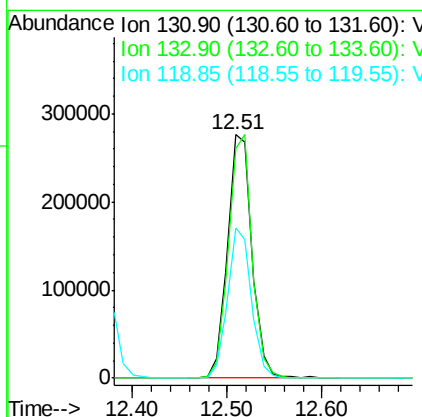
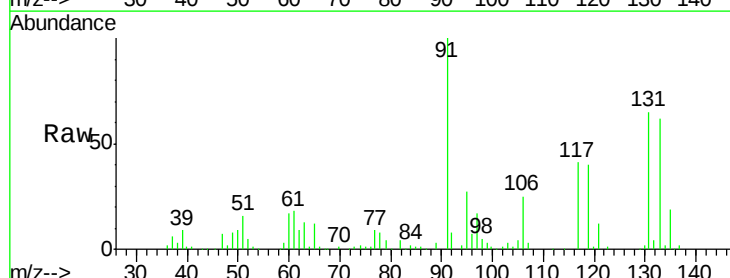
Manual Integrations
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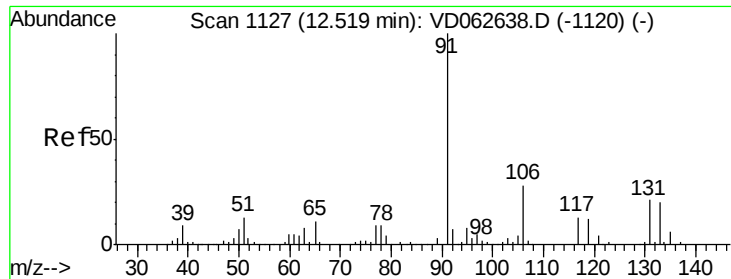
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#66
1,1,1,2-Tetrachloroethane
Concen: 54.086 ug/l
RT: 12.51 min Scan# 1126
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion:131 Resp: 492925
Ion Ratio Lower Upper
131 100
133 94.5 46.8 140.3
119 61.6 29.9 89.8





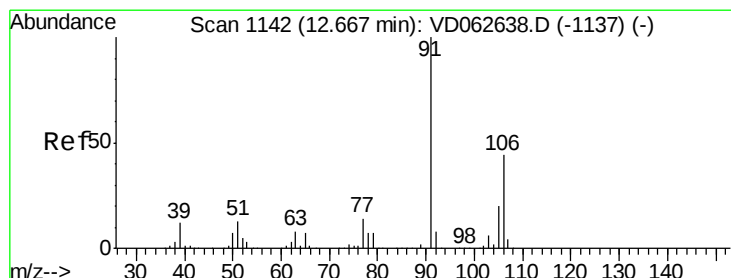
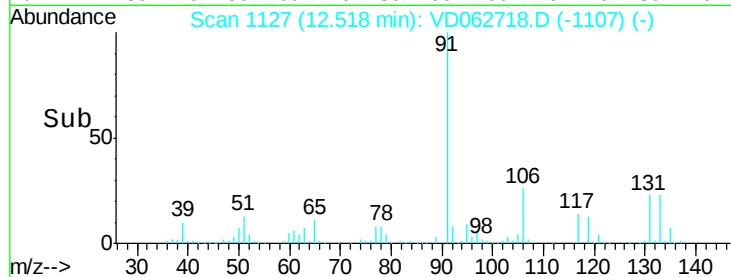
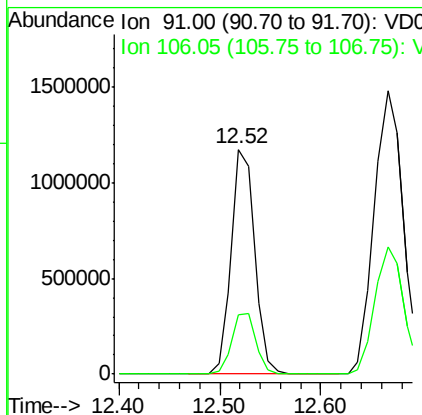
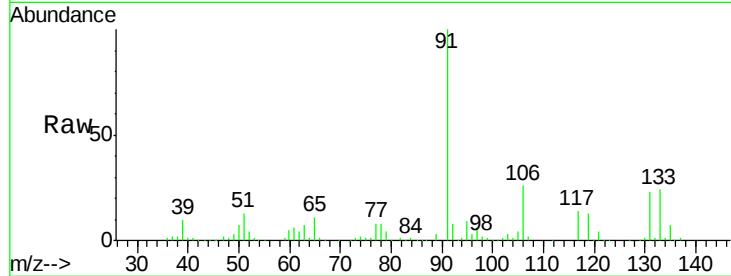
#67
Ethyl Benzene
Concen: 56.118 ug/l
RT: 12.52 min Scan# 1127
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1901304
Ion Ratio Lower Upper
91 100
106 26.4 22.1 33.1

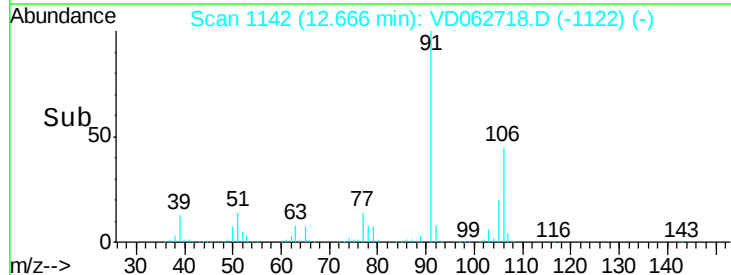
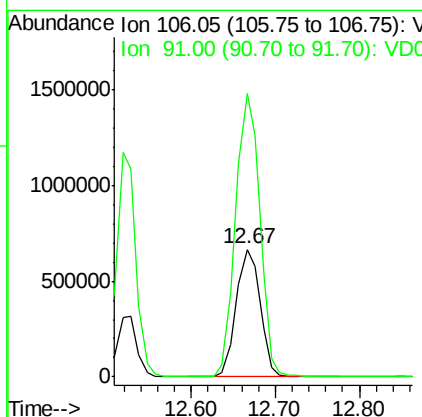
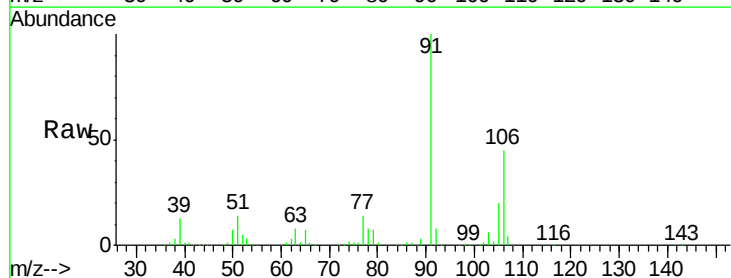
Manual Integrations
APPROVED

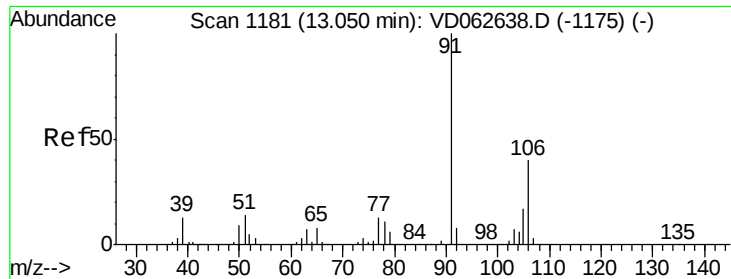
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6/19/2019 12:34:24 AM



#68
m/p-Xylenes
Concen: 111.182 ug/l
RT: 12.67 min Scan# 1142
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 106 Resp: 1324274
Ion Ratio Lower Upper
106 100
91 222.3 180.2 270.4





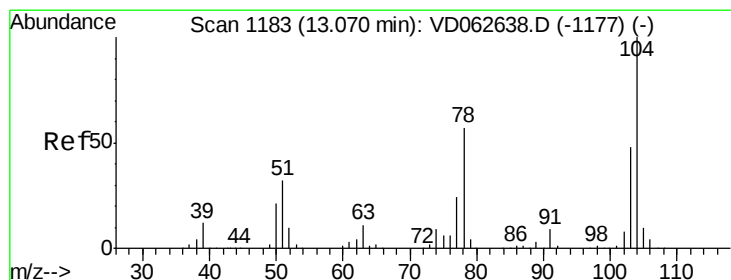
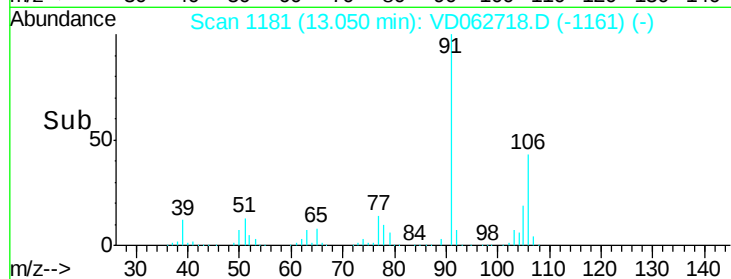
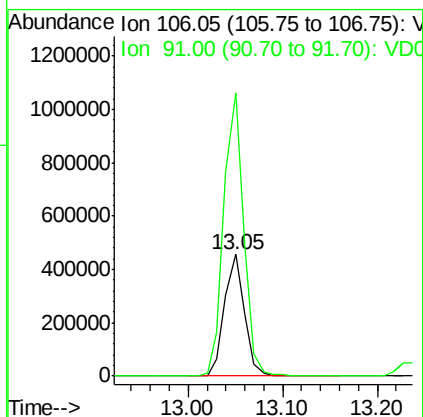
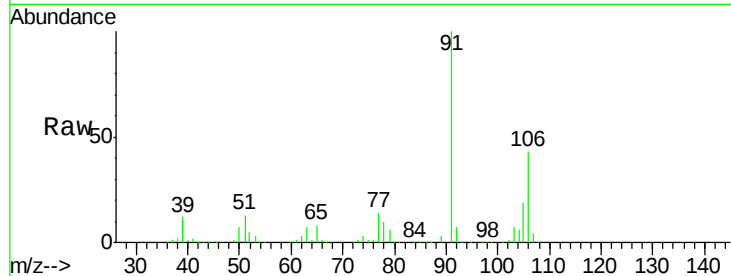
#69
o-Xylene
Concen: 60.358 ug/l
RT: 13.05 min Scan# 1181
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
106	100		
91	232.8	124.1	372.1

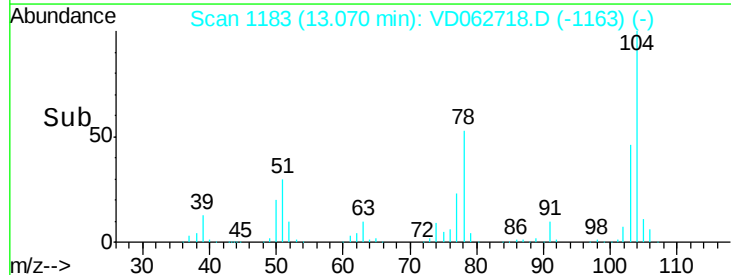
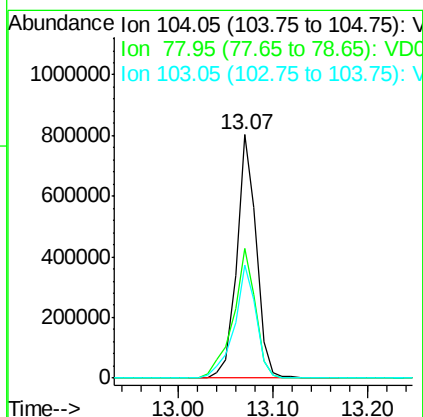
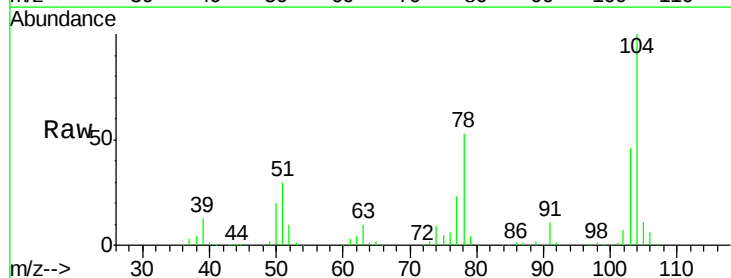
Manual Integrations
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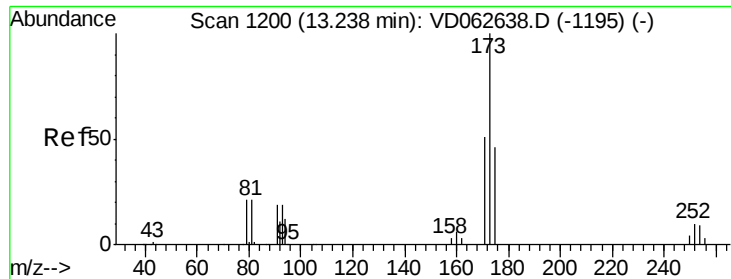
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#70
Styrene
Concen: 58.686 ug/l
RT: 13.07 min Scan# 1183
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
104	100		
78	53.4	45.9	68.9
103	46.3	38.4	57.6





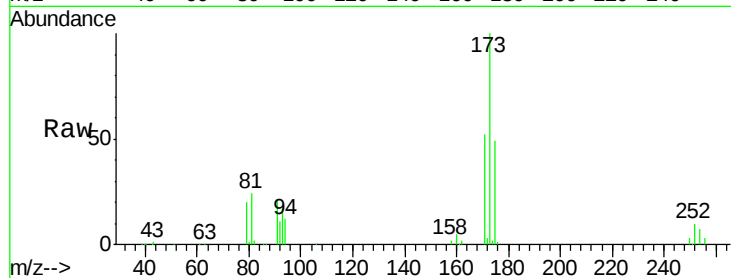
#71
Bromoform
Concen: 50.772 ug/l
RT: 13.24 min Scan# 1200
Delta R.T. 0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

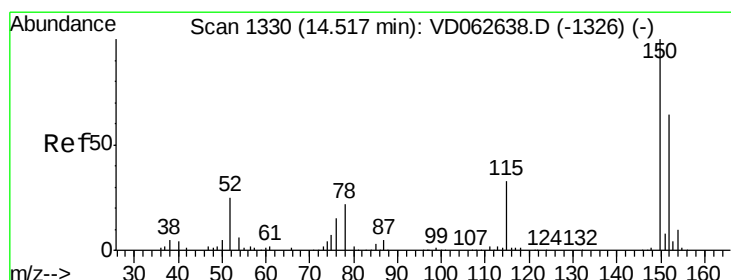
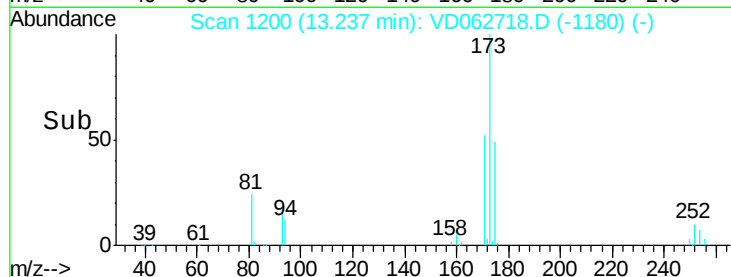
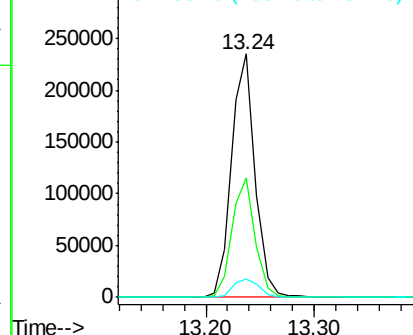
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	22.9	68.7
254	7.5	7.0	10.4

Manual Integrations
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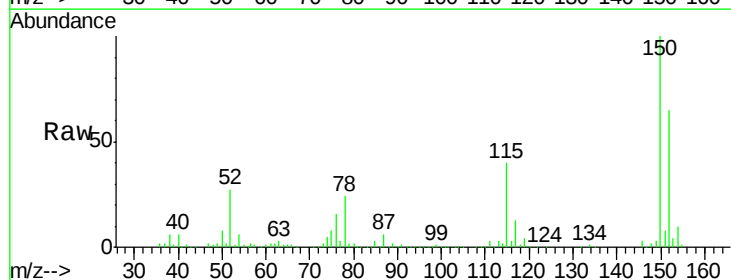


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

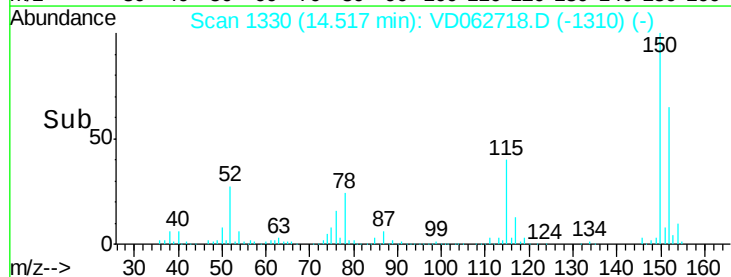
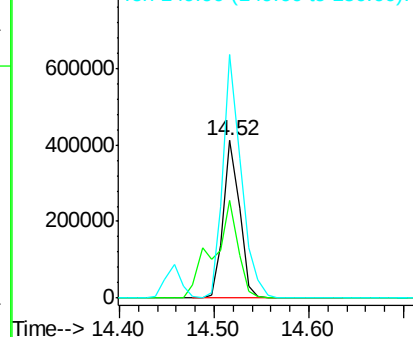


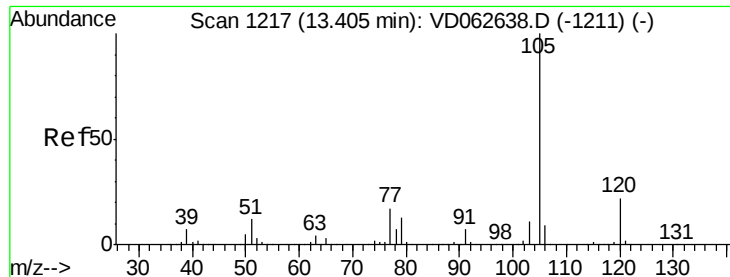
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 14.52 min Scan# 1330
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.4	30.1	90.5
150	154.6	0.0	314.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 115.00 (114.70 to 115.70): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 55.842 ug/l

RT: 13.40 min Scan# 1217

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:105 Resp: 1941393

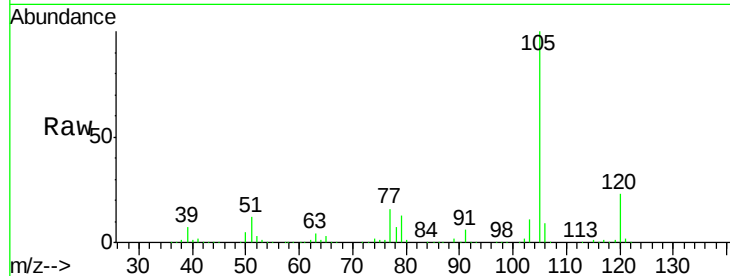
Ion Ratio Lower Upper

105 100

120 23.2 10.9 32.7

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

1500000

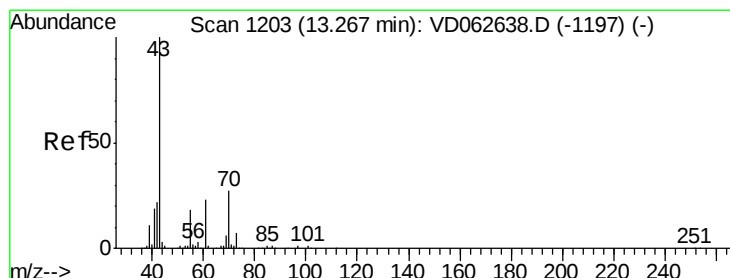
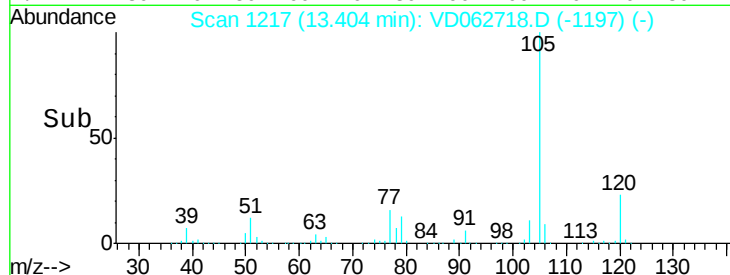
1000000

500000

0

13.30 13.40 13.50

Time-->



#74

N-ethyl acetate

Concen: 55.373 ug/l

RT: 13.27 min Scan# 1203

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion: 43 Resp: 520269

Ion Ratio Lower Upper

43 100

70 26.2 21.8 32.8

55 19.2 14.6 21.8

61 21.2 18.4 27.6

Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

600000

500000

400000

300000

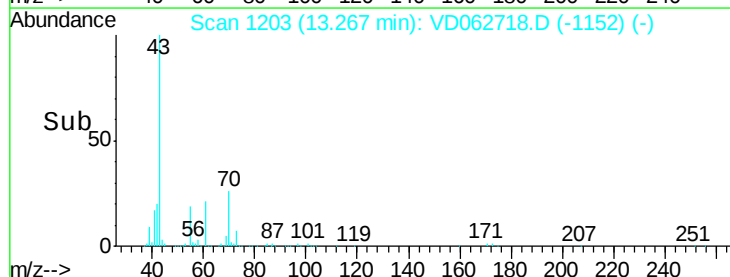
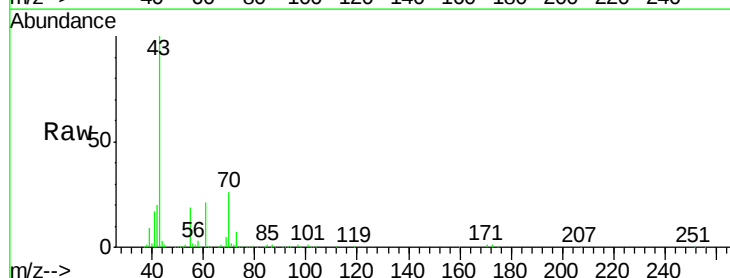
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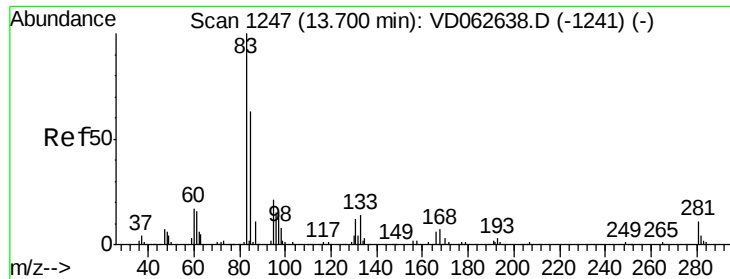
100000

0

13.20 13.30

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 54.575 ug/l

RT: 13.70 min Scan# 1247

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 83 Resp: 324648

Ion Ratio Lower Upper

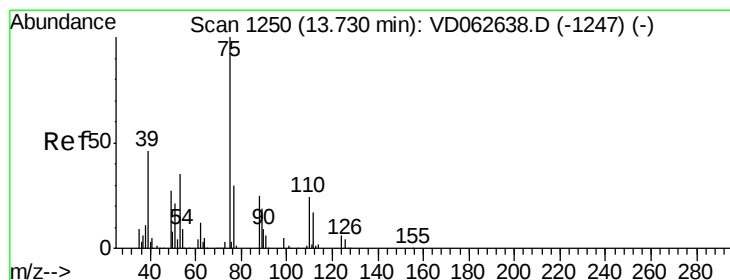
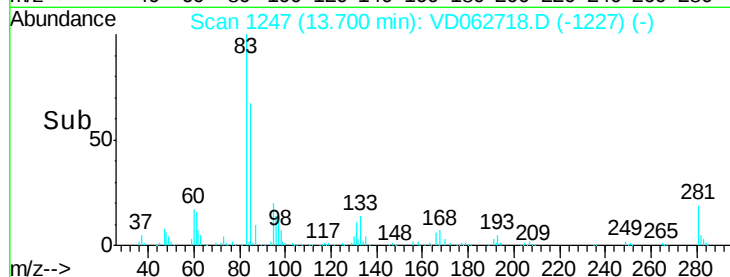
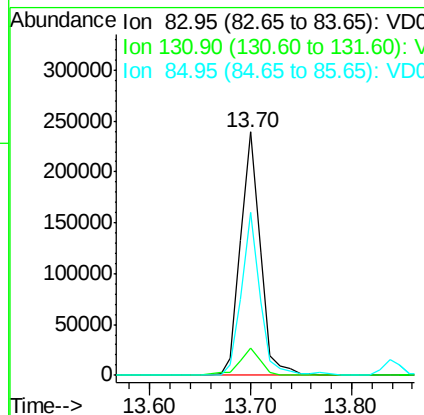
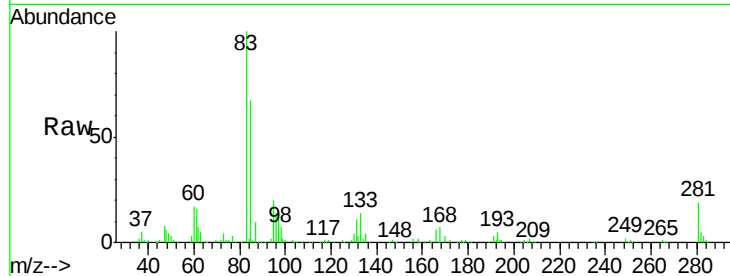
83 100

131 11.3 5.9 17.7

85 67.0 31.3 93.9

Manual Integrations
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6/19/2019 12:34:24 AM



#76

1,2,3-Trichloropropane

Concen: 55.500 ug/l

RT: 13.73 min Scan# 1250

Delta R.T. -0.00 min

Lab File: VD062718.D

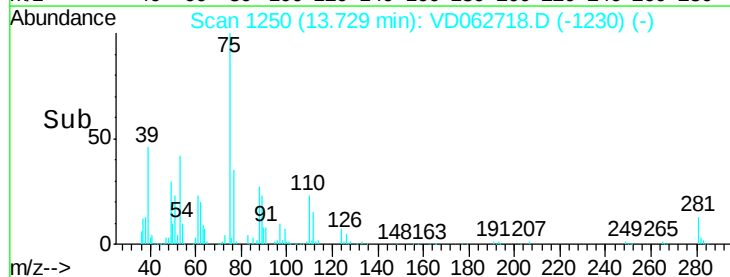
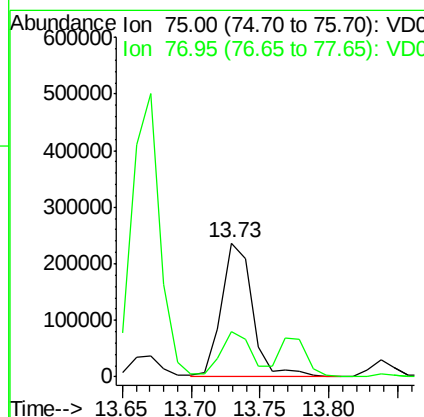
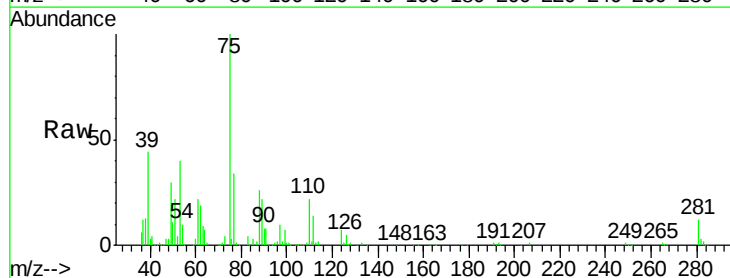
Acq: 17 Jun 2019 11:02

Tgt Ion: 75 Resp: 371173

Ion Ratio Lower Upper

75 100

77 33.8 16.2 48.6





#77

Bromobenzene

Concen: 54.405 ug/l

RT: 13.67 min Scan# 1244

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

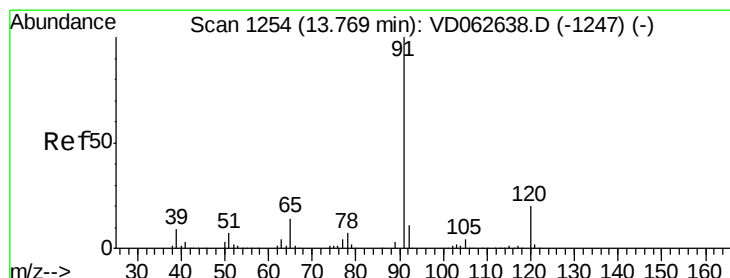
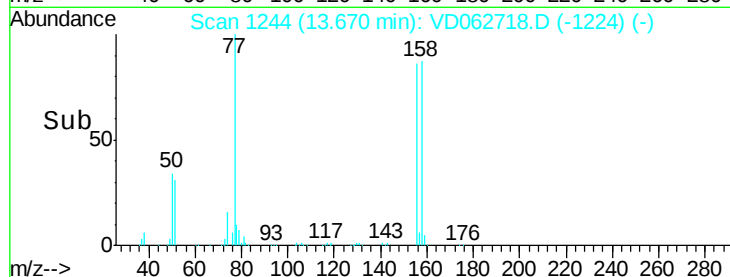
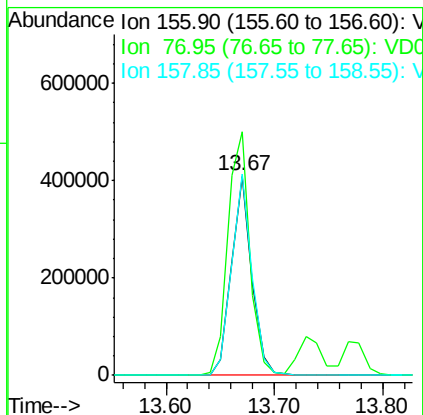
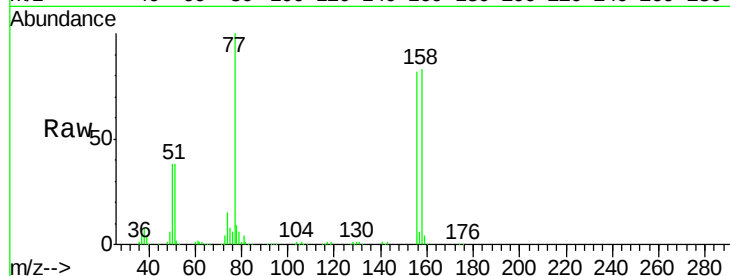
ClientSampleId :

VSTDCCC050

Tot Ion:	156	Resp:	540605
Ion Ratio	Lower	Upper	
156	100		
77	122.2	56.3	168.8
158	101.0	49.6	148.8

Manual Integrations
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#78

n-propylbenzene

Concen: 55.241 ug/l

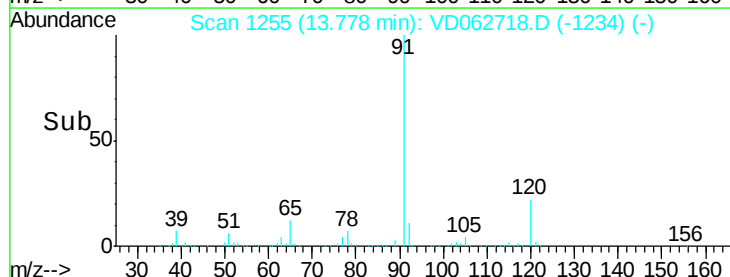
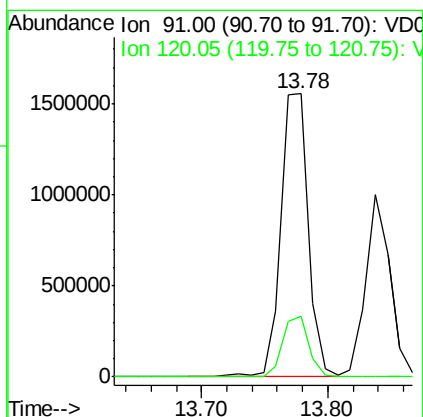
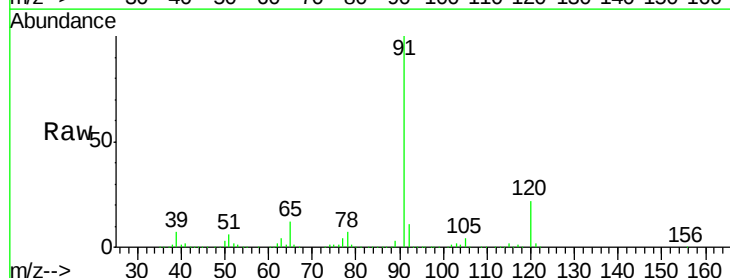
RT: 13.78 min Scan# 1255

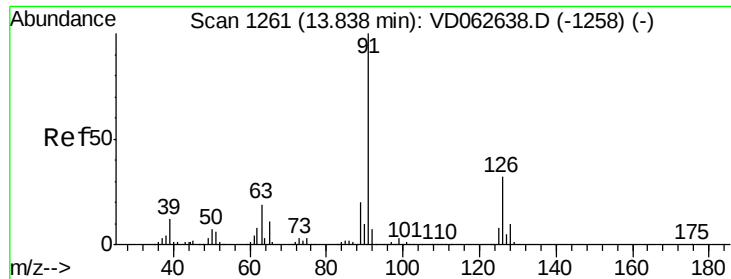
Delta R.T. 0.01 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Tgt Ion:	91	Resp:	2350810
Ion Ratio	Lower	Upper	
91	100		
120	21.5	9.8	29.5





#79

2-Chlorotoluene

Concen: 53.255 ug/l

RT: 13.84 min Scan# 1261

Delta R.T. -0.00 min

Lab File: VD062718.D

Acq: 17 Jun 2019 11:02

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1326960

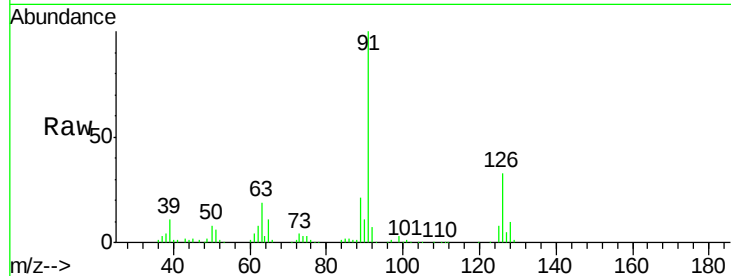
Ion Ratio Lower Upper

91 100

126 32.7 15.8 47.4

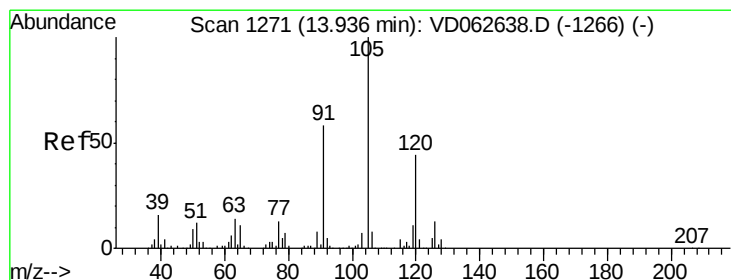
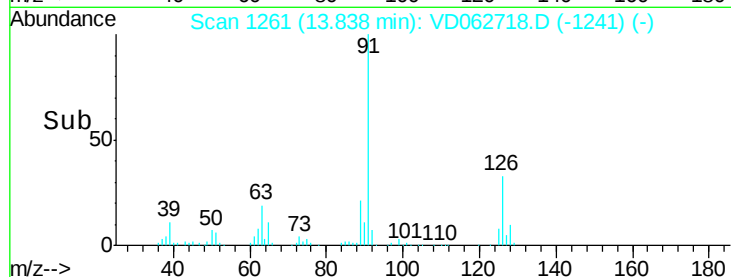
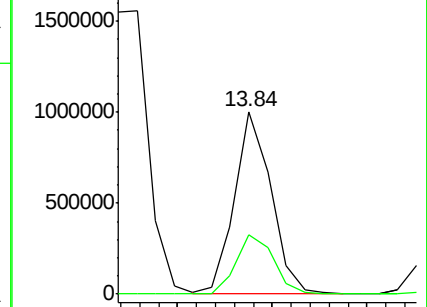
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Abundance Ion 91.00 (90.70 to 91.70): VD062718.D (-1241) (-)

Ion 125.95 (125.65 to 126.65): VD062718.D (-1241) (-)



#80

1,3,5-Trimethylbenzene

Concen: 54.802 ug/l

RT: 13.94 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VD062718.D

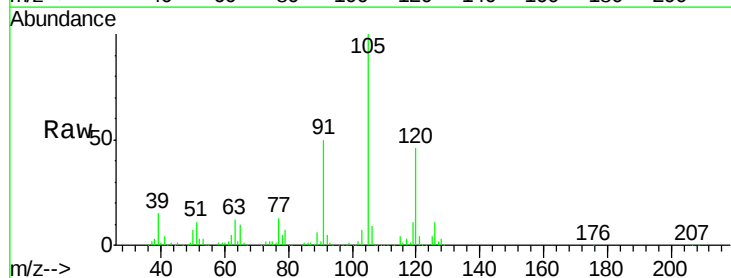
Acq: 17 Jun 2019 11:02

Tgt Ion: 105 Resp: 1683821

Ion Ratio Lower Upper

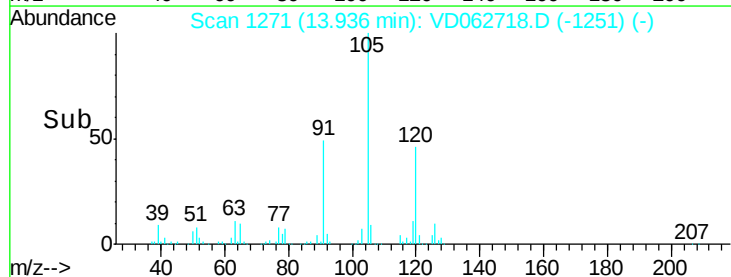
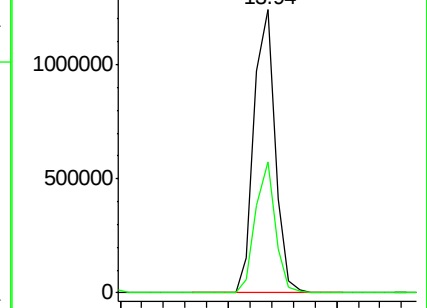
105 100

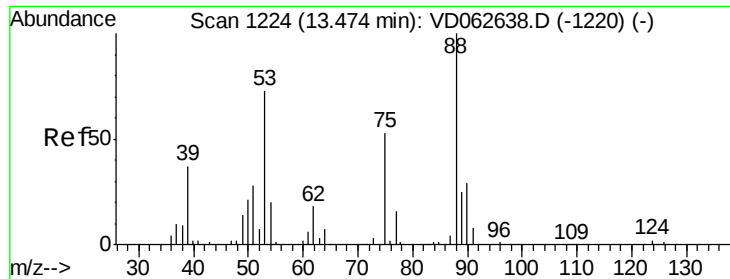
120 46.4 22.1 66.5



Abundance Ion 105.05 (104.75 to 105.75): VD062718.D (-1251) (-)

Ion 120.05 (119.75 to 120.75): VD062718.D (-1251) (-)





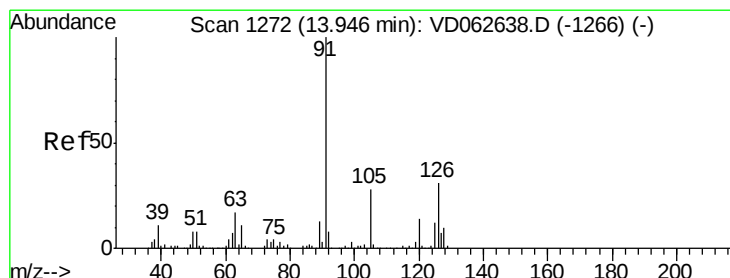
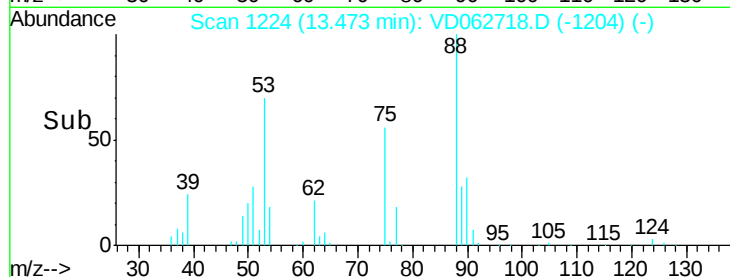
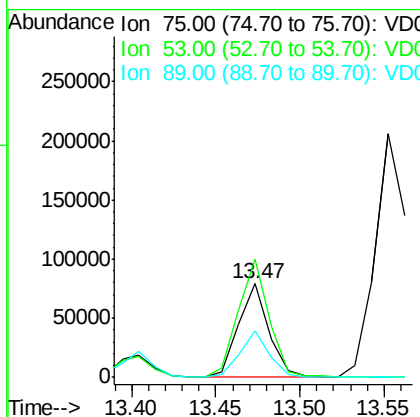
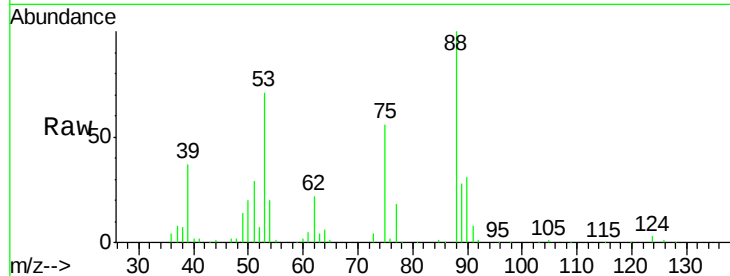
#81
trans-1,4-Dichloro-2-butene
Concen: 49.942 ug/l
RT: 13.47 min Scan# 1224
Delta R.T. 0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
75	100		
53	126.8	109.4	164.2
89	49.3	37.0	55.6

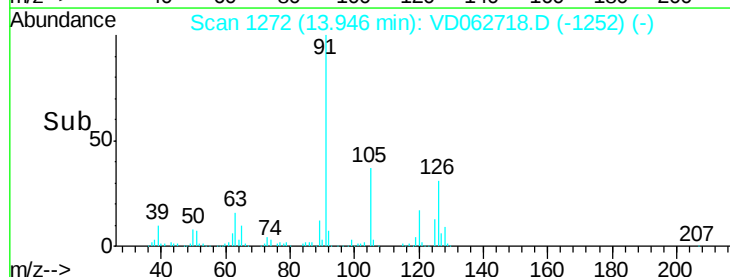
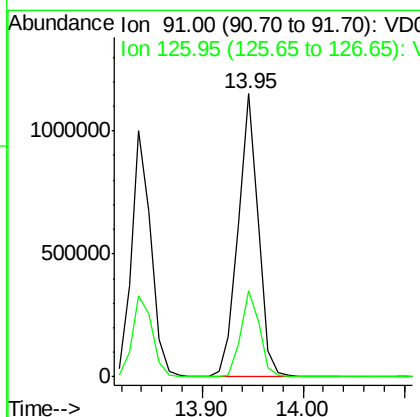
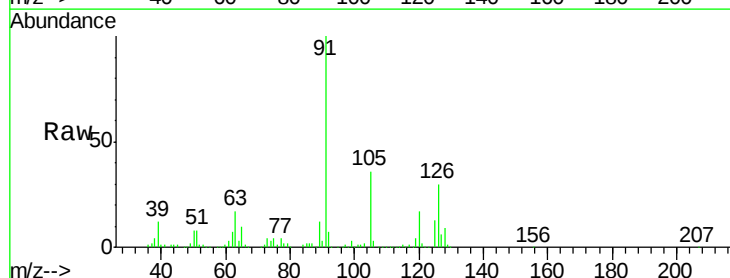
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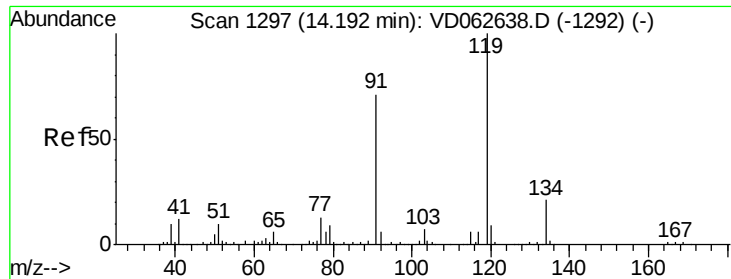
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#82
4-Chlorotoluene
Concen: 53.054 ug/l
RT: 13.95 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.4	15.6	46.8





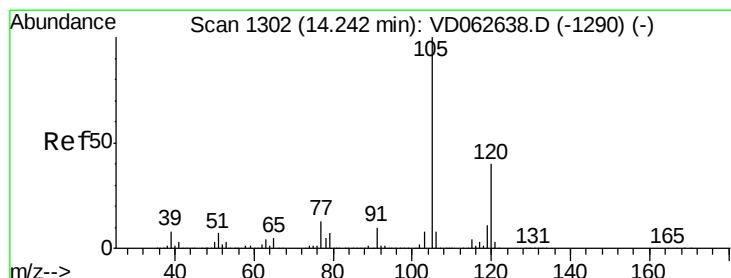
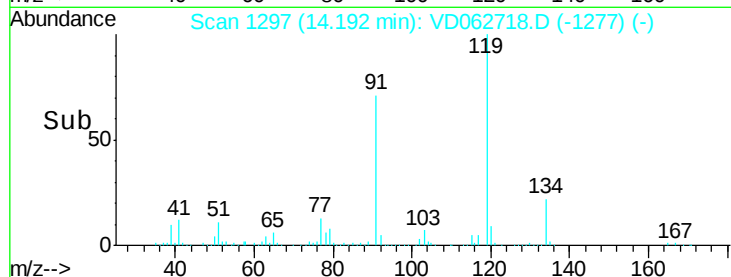
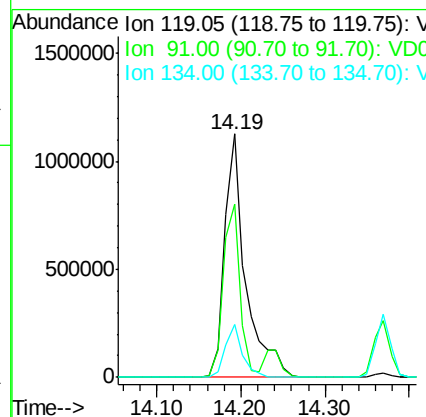
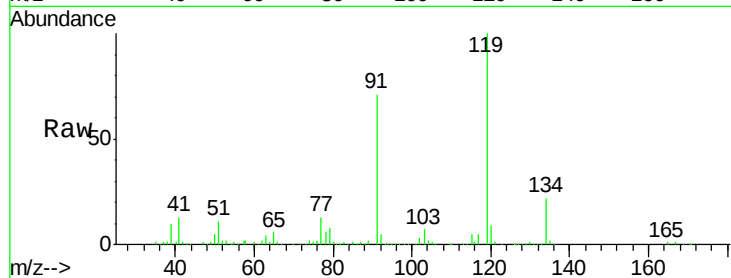
#83
 tert-Butylbenzene
 Concen: 57.416 ug/l
 RT: 14.19 min Scan# 1297
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:119 Resp: 1945764
 Ion Ratio Lower Upper
 119 100
 91 71.0 35.4 106.1
 134 21.6 10.8 32.3

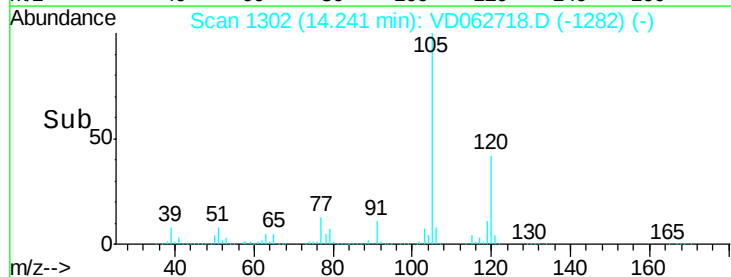
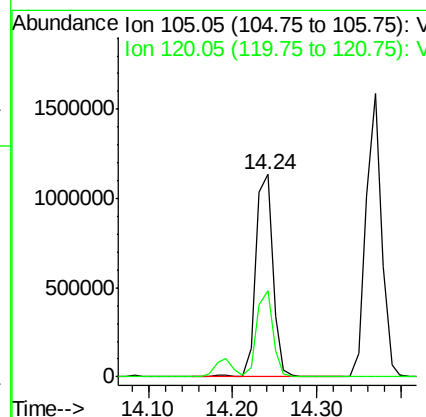
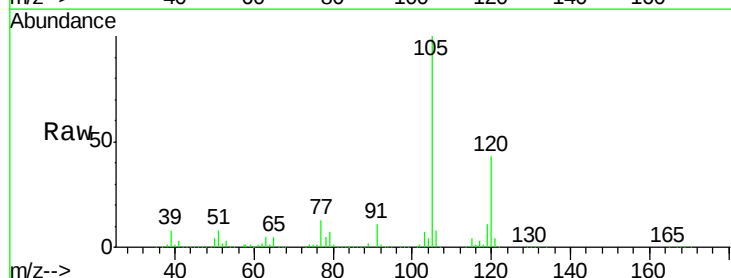
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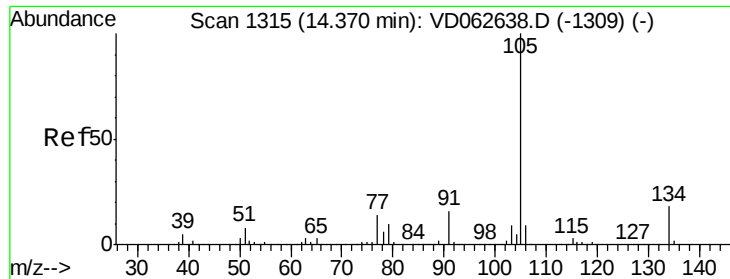
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#84
 1,2,4-Trimethylbenzene
 Concen: 53.499 ug/l
 RT: 14.24 min Scan# 1302
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:105 Resp: 1627542
 Ion Ratio Lower Upper
 105 100
 120 42.6 20.3 60.8





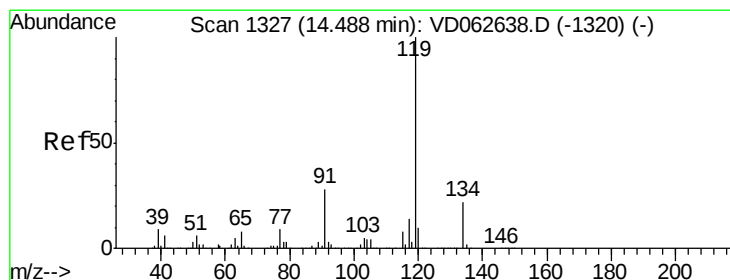
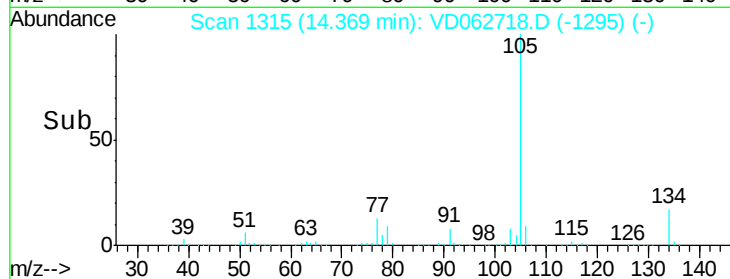
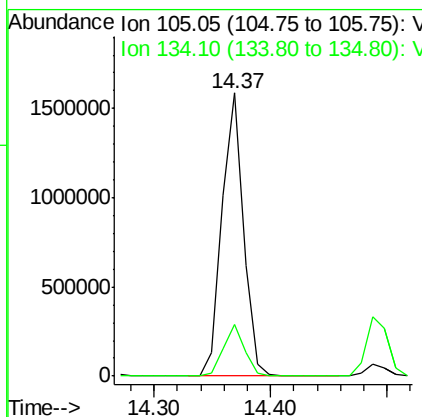
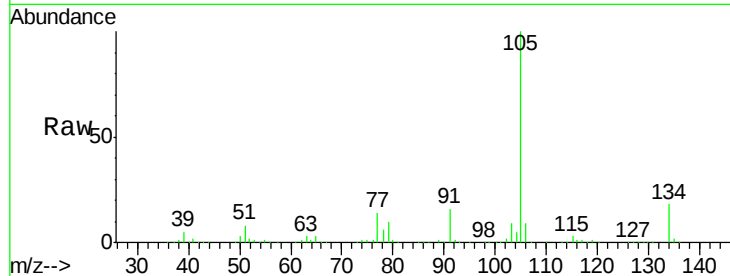
#85
 sec-Butylbenzene
 Concen: 57.120 ug/l
 RT: 14.37 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 2029820
 Ion Ratio Lower Upper
 105 100
 134 18.5 8.8 26.2

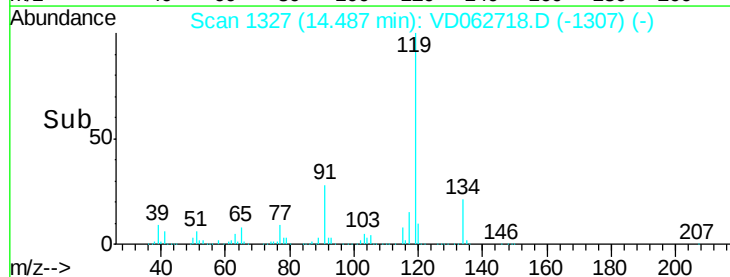
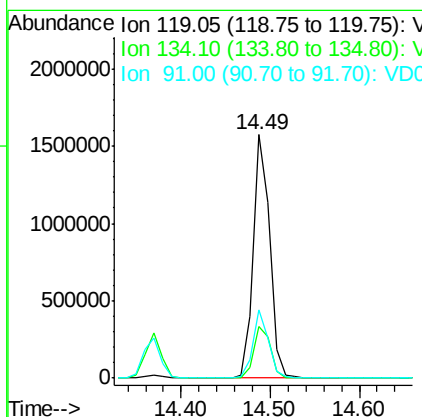
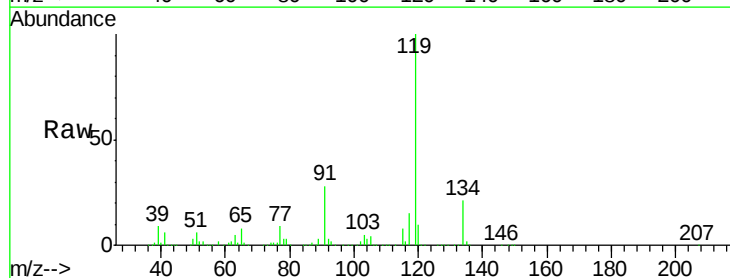
Manual Integrations
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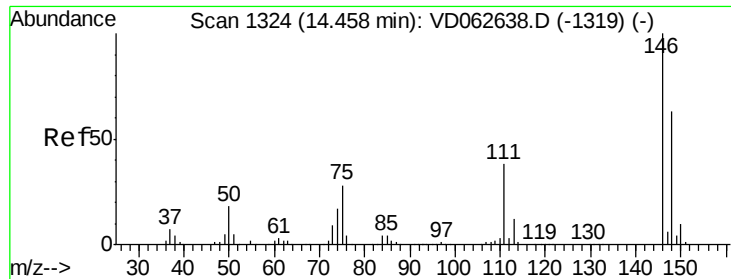
MMDadoda
 6/19/2019 12:34:24 AM



#86
 p-Isopropyltoluene
 Concen: 57.451 ug/l
 RT: 14.49 min Scan# 1327
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:119 Resp: 1987726
 Ion Ratio Lower Upper
 119 100
 134 21.4 10.9 32.6
 91 28.1 13.9 41.6





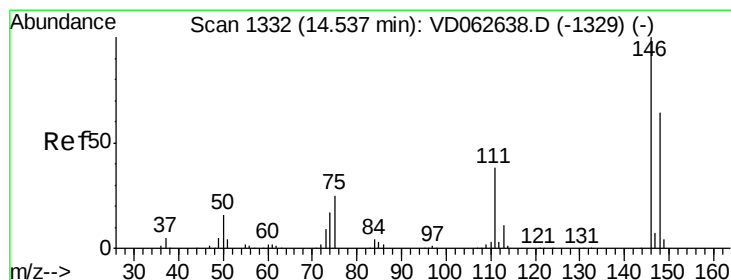
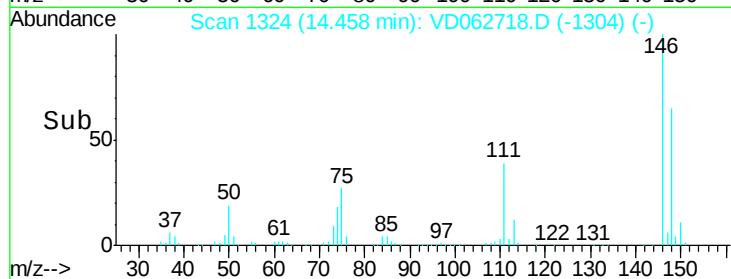
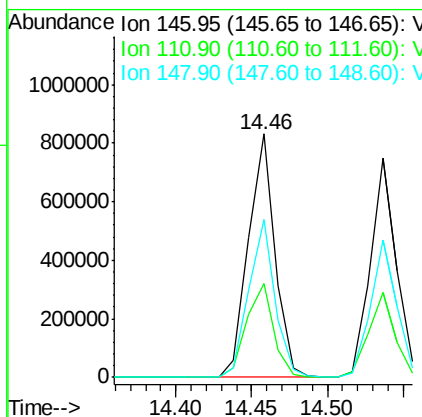
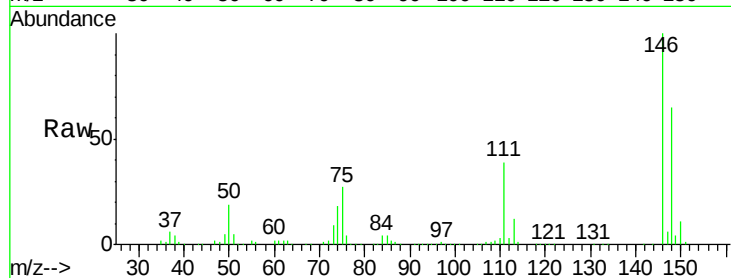
#87
 1,3-Dichlorobenzene
 Concen: 56.560 ug/l
 RT: 14.46 min Scan# 1324
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:146 Resp: 1018138
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.2 57.6
 148 65.0 31.6 95.0

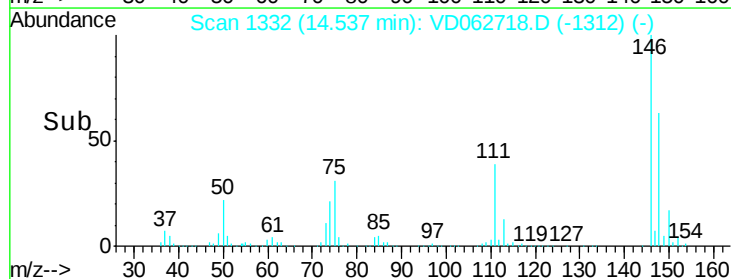
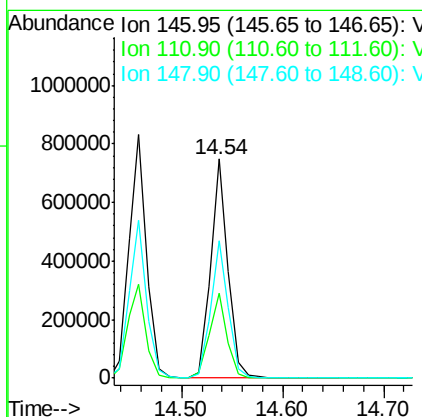
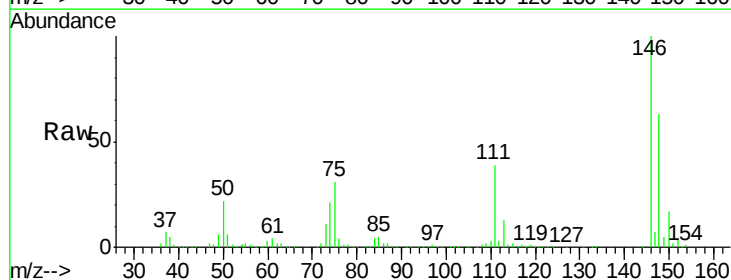
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#88
 1,4-Dichlorobenzene
 Concen: 52.900 ug/l
 RT: 14.54 min Scan# 1332
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion:146 Resp: 899944
 Ion Ratio Lower Upper
 146 100
 111 38.9 18.9 56.7
 148 63.0 32.3 96.8





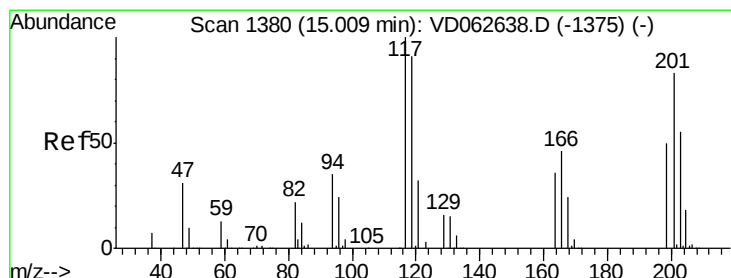
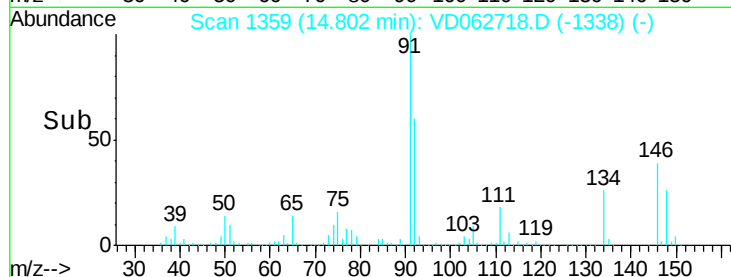
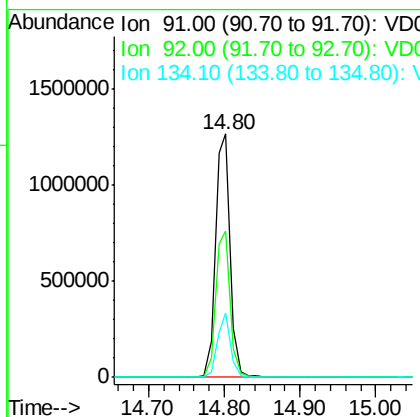
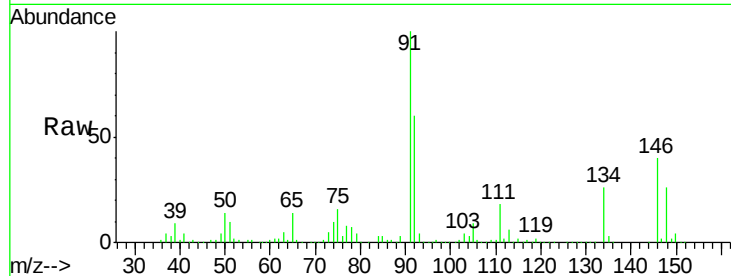
#89
n-Butylbenzene
Concen: 55.847 ug/l
RT: 14.80 min Scan# 1359
Delta R.T. 0.01 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1738297
Ion Ratio Lower Upper
91 100
92 60.4 29.4 88.3
134 26.4 10.4 31.2

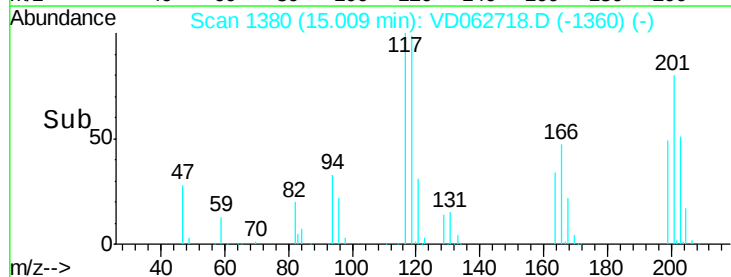
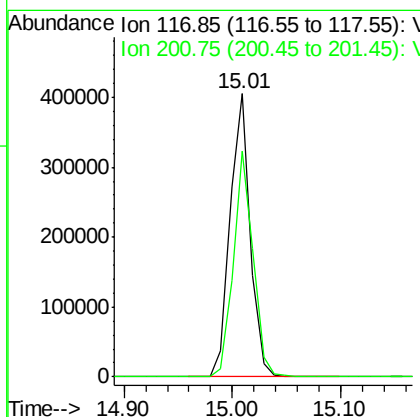
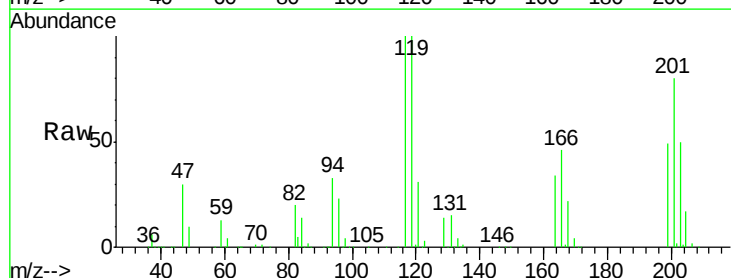
Manual Integrations
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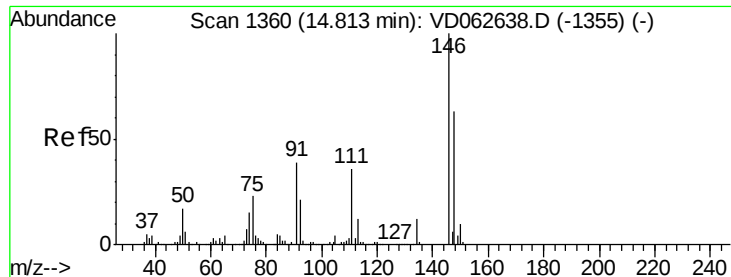
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#90
Hexachloroethane
Concen: 57.317 ug/l
RT: 15.01 min Scan# 1380
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion: 117 Resp: 523532
Ion Ratio Lower Upper
117 100
201 79.6 41.5 124.6





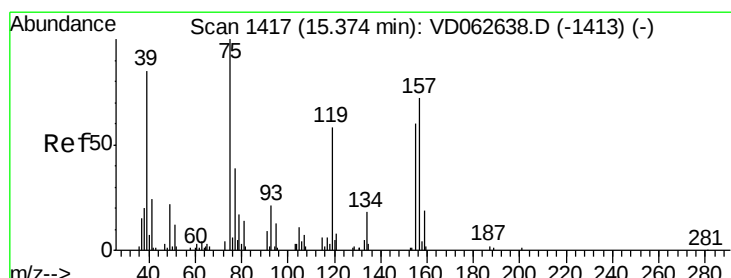
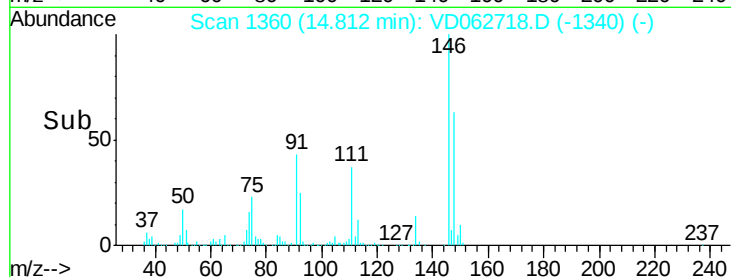
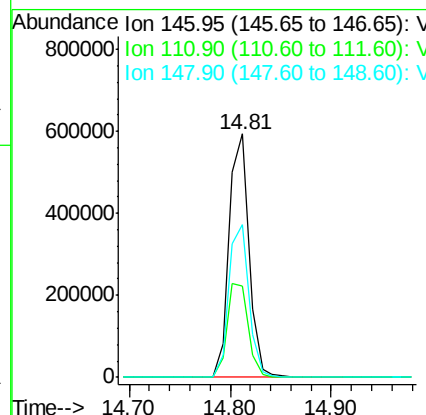
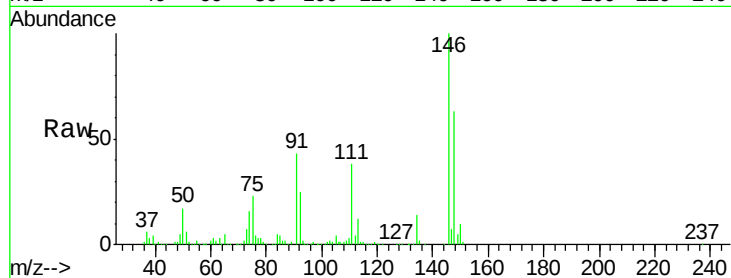
#91
 1,2-Dichlorobenzene
 Concen: 54.570 ug/l
 RT: 14.81 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.5	18.1	54.3
148	62.7	31.4	94.0

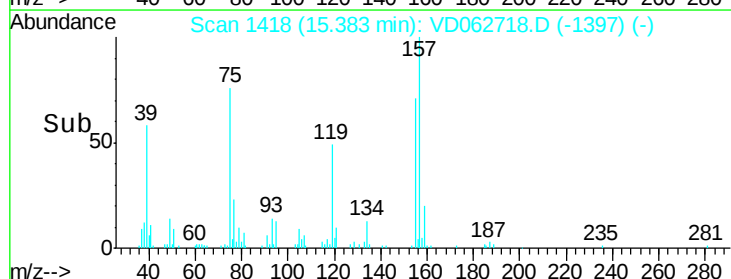
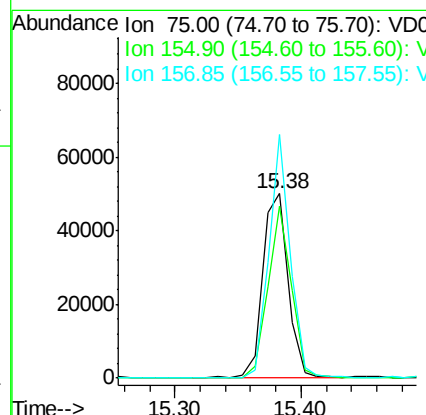
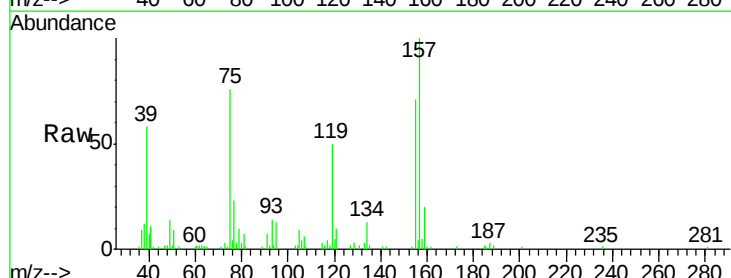
Manual Integrations
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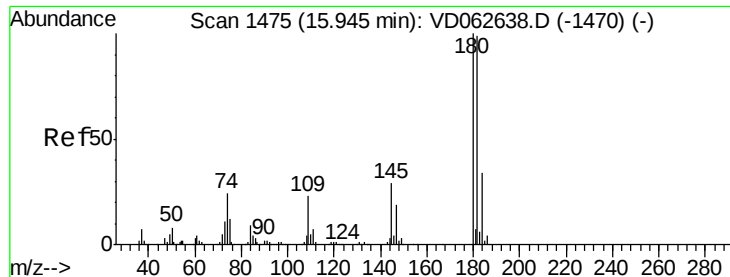
MMDadoda
 6/19/2019 12:34:24 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 55.792 ug/l
 RT: 15.38 min Scan# 1418
 Delta R.T. 0.01 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
75	100		
155	93.2	30.1	90.5#
157	132.1	35.9	107.8#





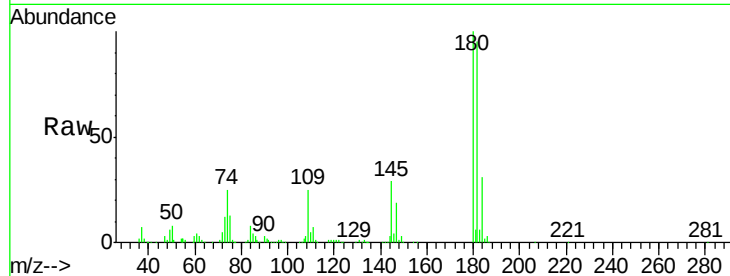
#93
 1,2,4-Trichlorobenzene
 Concen: 48.950 ug/l
 RT: 15.94 min Scan# 1475
 Delta R.T. 0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

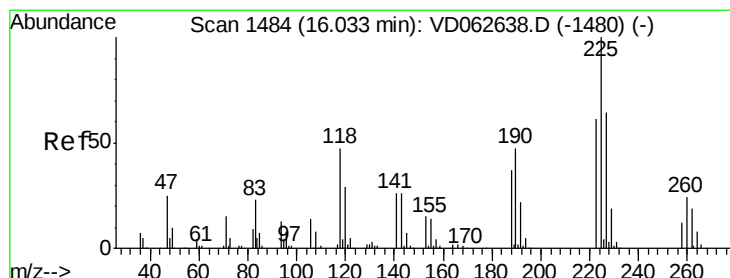
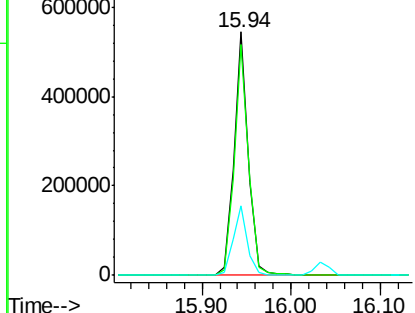
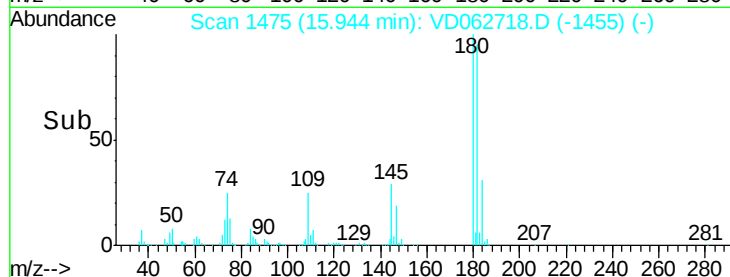
Tot Ion	Ratio	Resp	Lower	Upper
180	100	620338		
182	95.1	49.4	148.2	
145	28.7	14.5	43.6	

Manual Integrations
 APPROVED

MMDadoda
 6/19/2019 12:34:24 AM

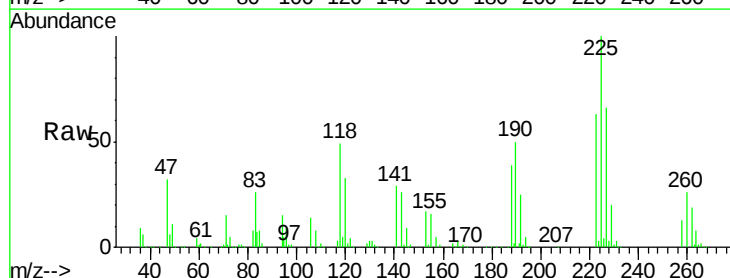


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

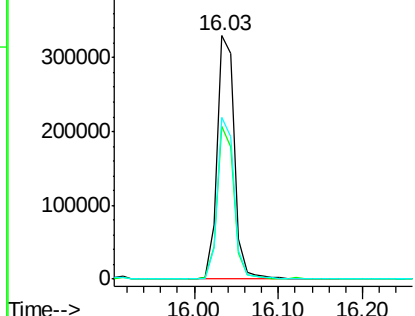
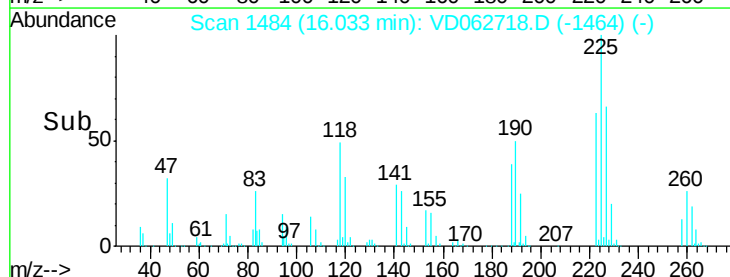


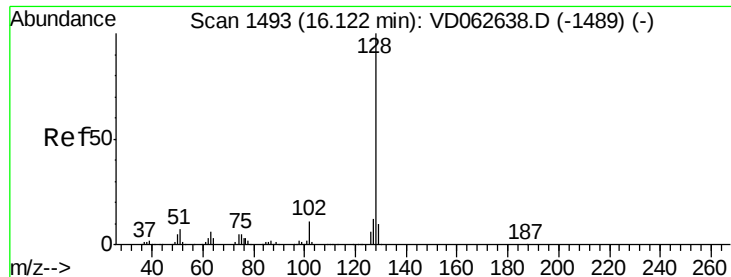
#94
 Hexachlorobutadiene
 Concen: 53.021 ug/l
 RT: 16.03 min Scan# 1484
 Delta R.T. -0.00 min
 Lab File: VD062718.D
 Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	468427		
223	62.5	30.3	91.0	
227	66.2	31.8	95.4	



Abundance Ion 224.75 (224.45 to 225.45): V
 Ion 222.75 (222.45 to 223.45): V
 Ion 226.75 (226.45 to 227.45): V





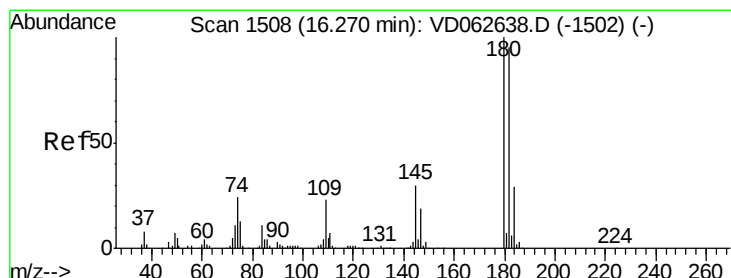
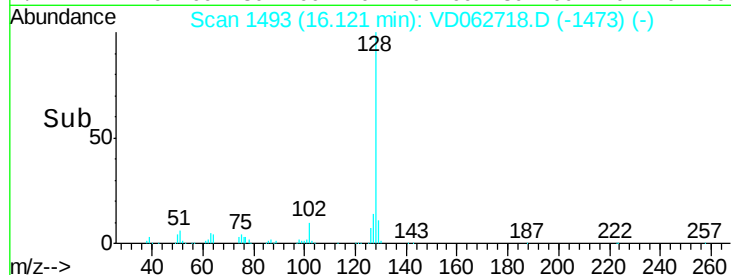
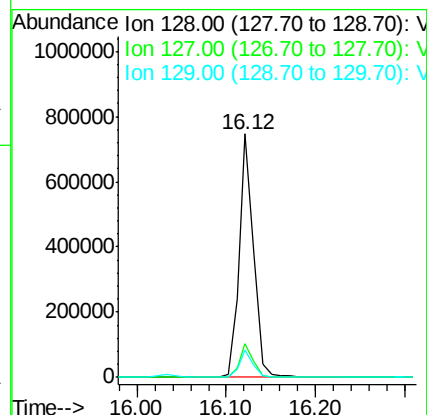
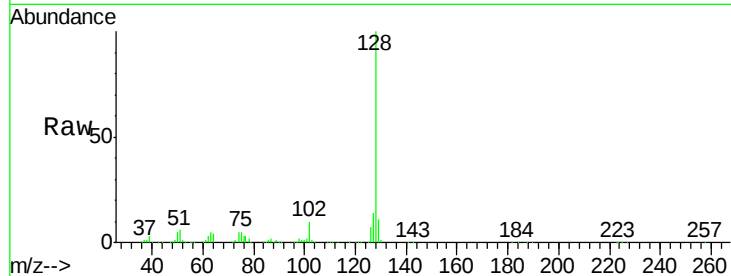
#95
Naphthalene
Concen: 48.031 ug/l
RT: 16.12 min Scan# 1493
Delta R.T. 0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	9.7	14.5
129	11.1	8.1	12.1

Manual Integrations
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6/19/2019 12:34:24 AM



#96
1,2,3-Trichlorobenzene
Concen: 54.233 ug/l
RT: 16.27 min Scan# 1508
Delta R.T. -0.00 min
Lab File: VD062718.D
Acq: 17 Jun 2019 11:02

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.7	143.1
145	30.7	15.0	45.0

