

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD013019\
 Data File : VD060799.D
 Acq On : 30 Jan 2019 11:46
 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
 2/1/2019 3:55:30 PM

Quant Time: Jan 31 06:37:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D012819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 29 13:53:55 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.82	168	587744	50.00	ug/l	0.03
34) 1,4-Difluorobenzene	8.00	114	864735	50.00	ug/l	0.03
63) Chlorobenzene-d5	12.17	117	672943	50.00	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	14.33	152	334073	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.24	65	468306	51.97	ug/l	0.03
Spiked Amount	50.000		Recovery	=	103.94%	
35) Dibromofluoromethane	6.71	113	408698	49.28	ug/l	0.03
Spiked Amount	50.000		Recovery	=	98.56%	
50) Toluene-d8	10.20	98	898846	46.41	ug/l	0.02
Spiked Amount	50.000		Recovery	=	92.82%	
62) 4-Bromofluorobenzene	13.36	95	453654	46.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.22%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.61	85	426978	59.751	ug/l	96
3) Chloromethane	1.78	50	217536	50.845	ug/l	94
4) Vinyl Chloride	1.87	62	252365	55.570	ug/l	95
5) Bromomethane	2.16	94	71452	49.806	ug/l	96
6) Chloroethane	2.27	64	100514	59.839	ug/l	97
7) Trichlorofluoromethane	2.51	101	545586	61.030	ug/l	98
8) Diethyl Ether	2.83	74	75416	57.251	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.09	101	275829	60.882	ug/l	97
10) Methyl Iodide	3.24	142	281385	59.322	ug/l	98
11) Tert butyl alcohol	3.95	59	114189	265.181	ug/l #	92
12) 1,1-Dichloroethene	3.08	96	179766	58.064	ug/l	97
13) Acrolein	2.99	56	39646	274.867	ug/l	100
14) Allyl chloride	3.53	41	402098	55.809	ug/l	98
15) Acrylonitrile	4.07	53	254042	263.302	ug/l	97
16) Acetone	3.15	43	366124	281.324	ug/l	97
17) Carbon Disulfide	3.31	76	584901	53.334	ug/l	98
18) Methyl Acetate	3.55	43	138331	53.617	ug/l	98
19) Methyl tert-butyl Ether	4.11	73	756929	53.552	ug/l	98
20) Methylene Chloride	3.71	84	308811	54.370	ug/l	95
21) trans-1,2-Dichloroethene	4.08	96	290153	53.163	ug/l	99
22) Diisopropyl ether	4.92	45	999632	53.842	ug/l	97
23) Vinyl Acetate	4.87	43	2853810	266.919	ug/l	98
24) 1,1-Dichloroethane	4.80	63	644033	52.988	ug/l	99
25) 2-Butanone	5.86	43	466624	280.125	ug/l	97
26) 2,2-Dichloropropane	5.81	77	718508	56.105	ug/l	100
27) cis-1,2-Dichloroethene	5.83	96	318068	51.169	ug/l	98
28) Bromochloromethane	6.23	49	239261	50.462	ug/l	90
29) Tetrahydrofuran	6.26	42	215315	269.164	ug/l	99
30) Chloroform	6.45	83	805642	56.082	ug/l	96
31) Cyclohexane	6.74	56	475470	57.496	ug/l	100
32) 1,1,1-Trichloroethane	6.66	97	788280	56.981	ug/l	94
36) 1,1-Dichloropropene	6.93	75	520021	50.366	ug/l	99
37) Ethyl Acetate	5.97	43	219832	47.697	ug/l	97
38) Carbon Tetrachloride	6.90	117	669150	51.684	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.65	83	448966	51.925	ug/l	97
40) Benzene	7.24	78	1024895	50.295	ug/l	100
41) Methacrylonitrile	6.24	41	120687m	41.232	ug/l	
42) 1,2-Dichloroethane	7.37	62	614663	51.923	ug/l	99
43) Isopropyl Acetate	9.02	43	315490	52.483	ug/l #	96
44) Trichloroethene	8.32	130	350923	50.799	ug/l	95
45) 1,2-Dichloropropane	8.73	63	277989	50.395	ug/l	97
46) Dibromomethane	8.85	93	235714	55.045	ug/l	96
47) Bromodichloromethane	9.16	83	612206	52.966	ug/l	97
48) Methyl methacrylate	8.90	41	214726	51.800	ug/l	97
49) 1,4-Dioxane	8.87	88	35425	986.406	ug/l #	92
51) 4-Methyl-2-Pentanone	10.09	43	958389	246.195	ug/l	99
52) Toluene	10.30	92	632881	48.962	ug/l	96
53) t-1,3-Dichloropropene	10.71	75	520899	51.234	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	527469	50.592	ug/l	98
55) 1,1,2-Trichloroethane	10.99	97	210765	47.825	ug/l	97
56) Ethyl methacrylate	10.83	69	276774	51.843	ug/l	96
57) 1,3-Dichloropropane	11.21	76	388392	51.567	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.65	63	679680	242.642	ug/l	97
59) 2-Hexanone	11.34	43	796230	272.029	ug/l	96
60) Dibromochloromethane	11.48	129	399716	50.451	ug/l	99
61) 1,2-Dibromoethane	11.61	107	254814	49.096	ug/l	99
64) Tetrachloroethene	11.06	164	301924	48.886	ug/l	97
65) Chlorobenzene	12.20	112	756837	49.215	ug/l	99
66) 1,1,1,2-Tetrachloroethane	12.32	131	344468	52.137	ug/l	97
67) Ethyl Benzene	12.33	91	1431461	51.765	ug/l	100
68) m/p-Xylenes	12.48	106	869301	96.624	ug/l	97
69) o-Xylene	12.86	106	434804	48.830	ug/l	93
70) Styrene	12.88	104	742328	49.714	ug/l	98
71) Bromoform	13.04	173	251123	50.447	ug/l #	98
73) Isopropylbenzene	13.22	105	1341071	50.348	ug/l	99
74) N-amyl acetate	13.08	43	421967	51.531	ug/l	98
75) 1,1,2,2-Tetrachloroethane	13.51	83	248449	51.228	ug/l	99
76) 1,2,3-Trichloropropane	13.54	75	298412	48.712	ug/l	100
77) Bromobenzene	13.48	156	328228	47.938	ug/l	94
78) n-propylbenzene	13.58	91	1767713	52.866	ug/l	96
79) 2-Chlorotoluene	13.65	91	1082244	53.065	ug/l	95
80) 1,3,5-Trimethylbenzene	14.05	105	1211899	52.851	ug/l	98
81) trans-1,4-Dichloro-2-buten	13.28	75	78016	48.848	ug/l #	94
82) 4-Chlorotoluene	13.76	91	1243122	54.843	ug/l	95
83) tert-Butylbenzene	14.00	119	1281678	53.424	ug/l	92
84) 1,2,4-Trimethylbenzene	14.05	105	1211899	52.851	ug/l	98
85) sec-Butylbenzene	14.18	105	1436744	52.611	ug/l	97
86) p-Isopropyltoluene	14.30	119	1216698	54.876	ug/l	97
87) 1,3-Dichlorobenzene	14.27	146	616560	50.345	ug/l	97
88) 1,4-Dichlorobenzene	14.35	146	617075	51.859	ug/l	96
89) n-Butylbenzene	14.61	91	1194948	51.656	ug/l	97
90) Hexachloroethane	14.82	117	341465	51.754	ug/l	85
91) 1,2-Dichlorobenzene	14.62	146	496696	48.862	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	15.19	75	61071	53.003	ug/l	86

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.76	180	490111	55.683	ug/l	98
94) Hexachlorobutadiene	15.85	225	345993	52.391	ug/l	99
95) Naphthalene	15.93	128	722225	53.405	ug/l	100
96) 1,2,3-Trichlorobenzene	16.08	180	393235	51.379	ug/l	98

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

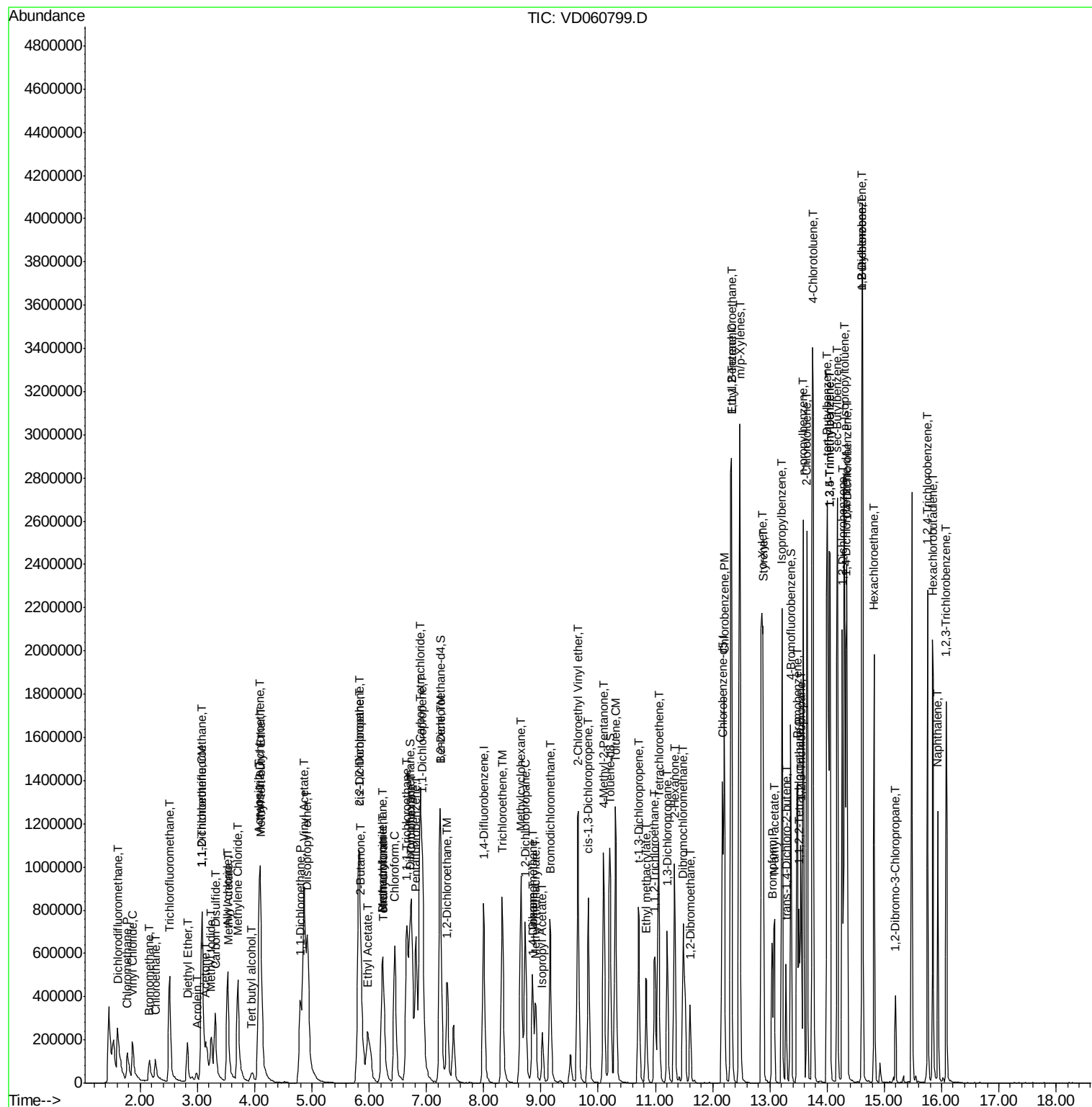
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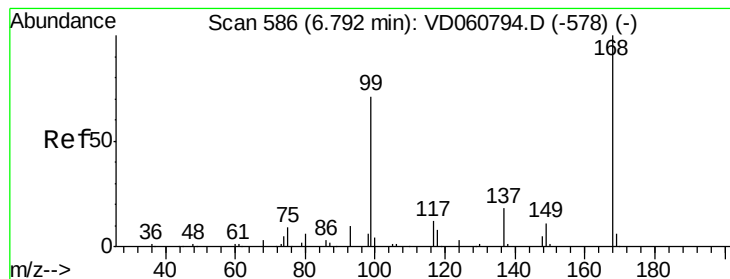
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.82 min Scan# 588

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:168 Resp: 587744

Ion Ratio Lower Upper

168 100

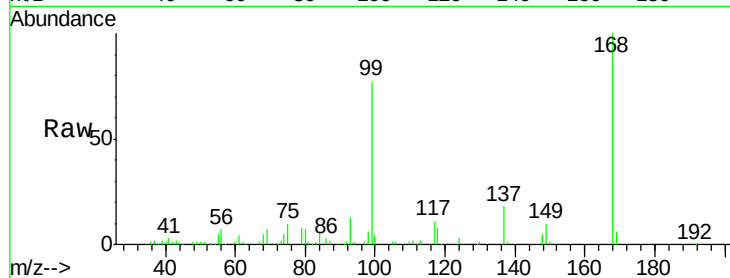
99 77.4 59.2 88.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC

6.82

200000

150000

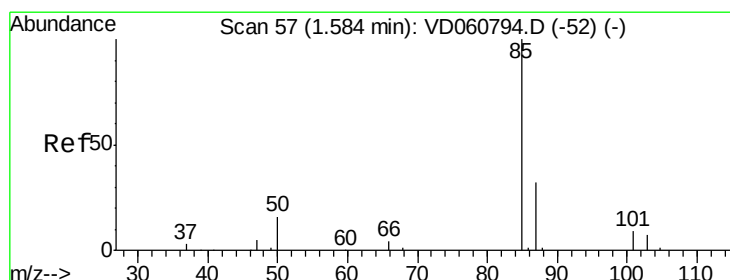
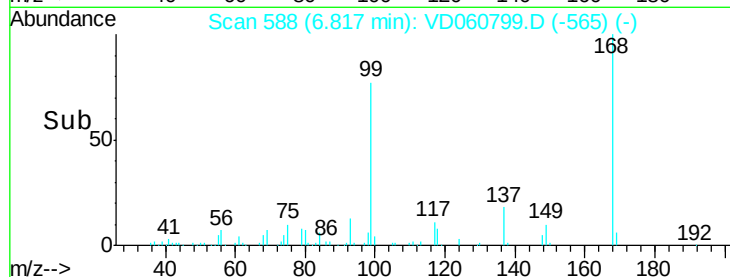
100000

50000

0

6.70 6.80 6.90 7.00

Time-->



#2

Dichlorodifluoromethane

Concen: 59.751 ug/l

RT: 1.61 min Scan# 59

Delta R.T. 0.03 min

Lab File: VD060799.D

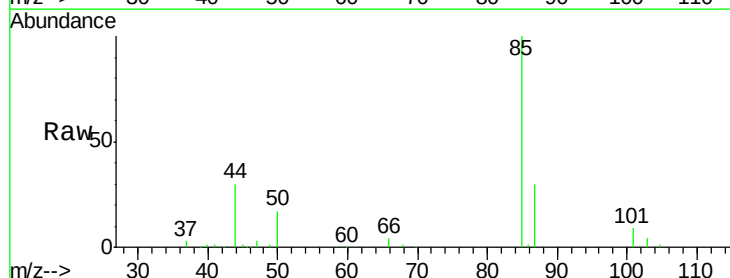
Acq: 30 Jan 2019 11:46

Tgt Ion: 85 Resp: 426978

Ion Ratio Lower Upper

85 100

87 29.8 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.61

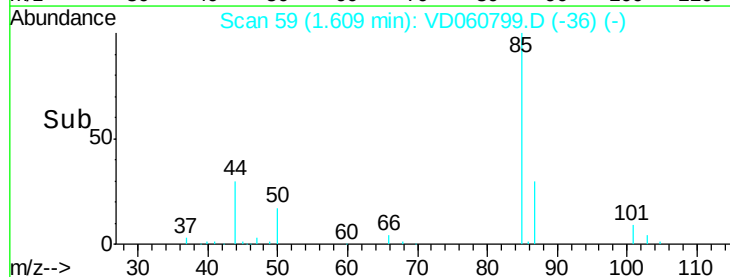
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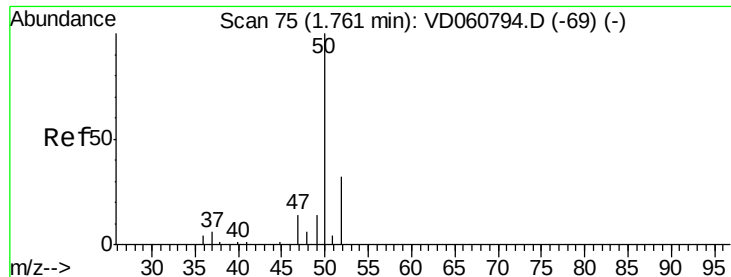
50000

0

1.50 1.60 1.70 1.80

Time-->





#3

Chloromethane

Concen: 50.845 ug/l

RT: 1.78 min Scan# 76

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 50 Resp: 217536

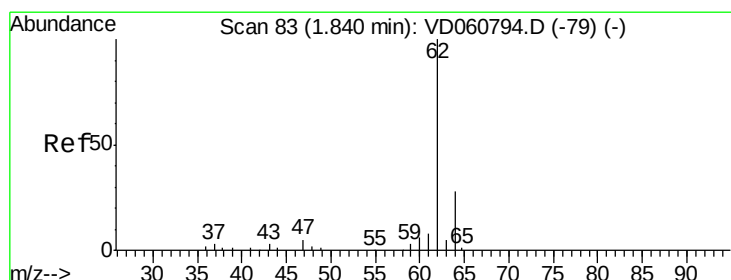
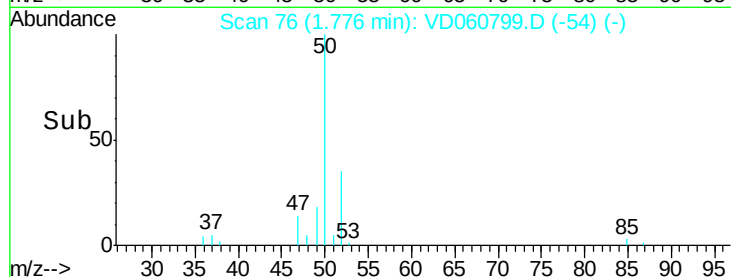
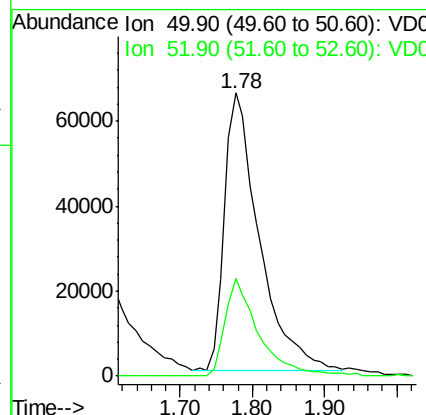
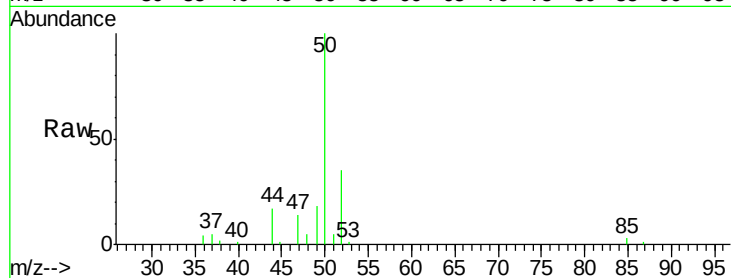
Ion Ratio Lower Upper

50 100

52 34.7 25.2 37.8

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#4

Vinyl Chloride

Concen: 55.570 ug/l

RT: 1.87 min Scan# 85

Delta R.T. 0.03 min

Lab File: VD060799.D

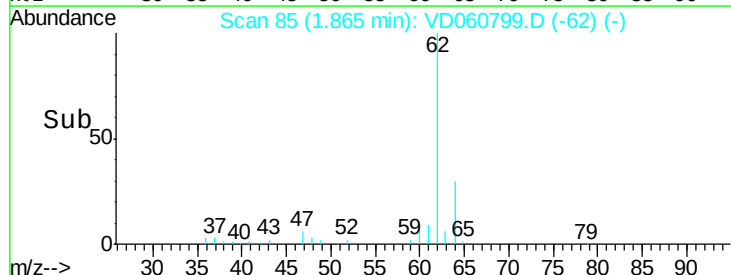
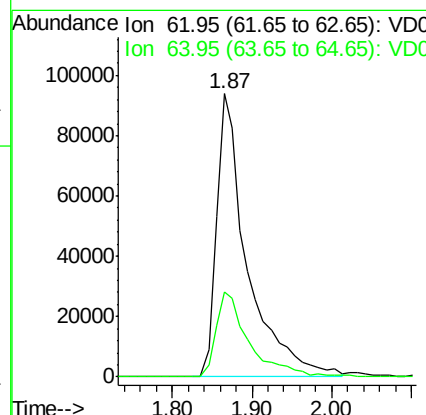
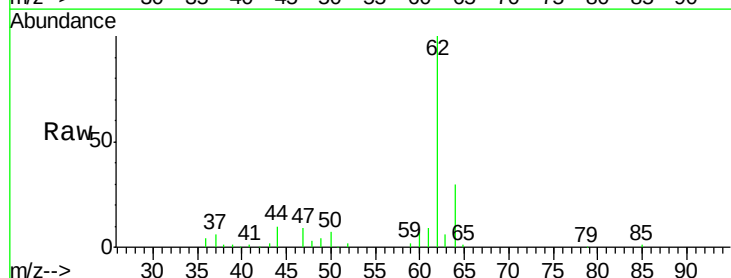
Acq: 30 Jan 2019 11:46

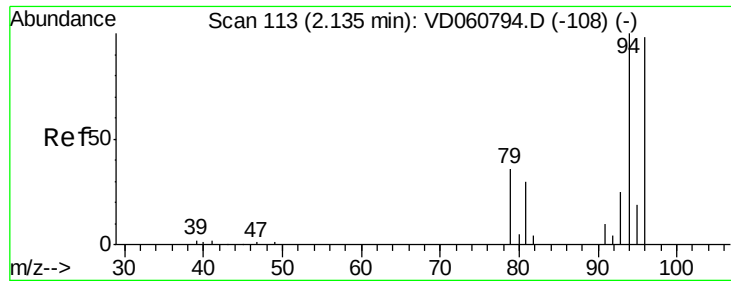
Tgt Ion: 62 Resp: 252365

Ion Ratio Lower Upper

62 100

64 30.0 22.1 33.1





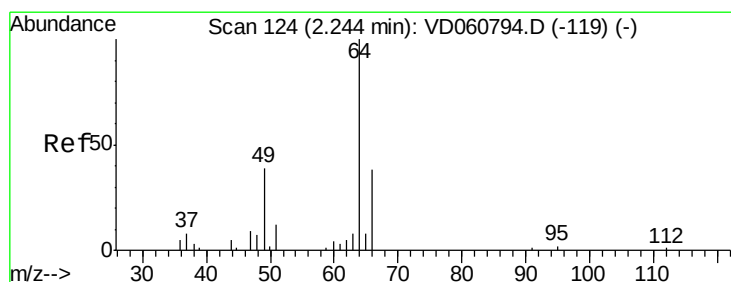
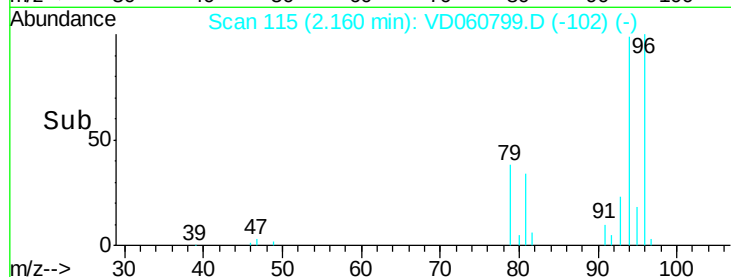
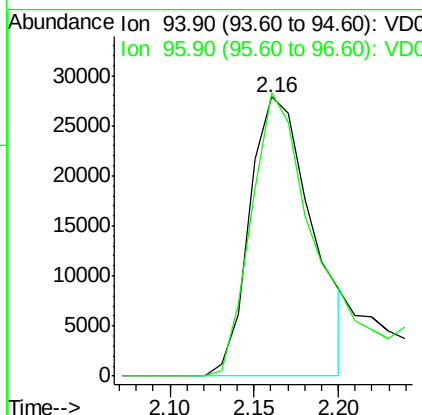
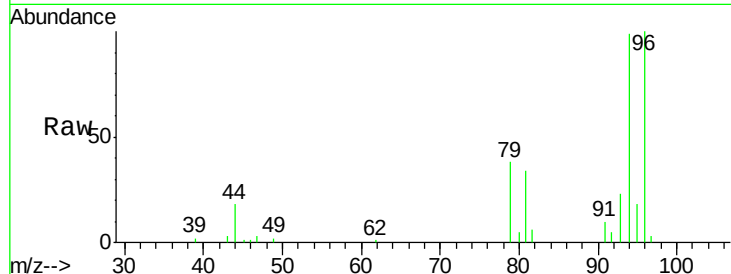
#5
Bromomethane
Concen: 49.806 ug/l
RT: 2.16 min Scan# 115
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
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ClientSampleId :
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Tot Ion: 94 Resp: 71452
Ion Ratio Lower Upper
94 100
96 101.3 78.0 117.0

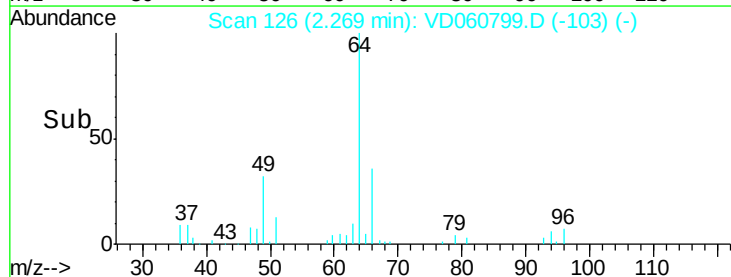
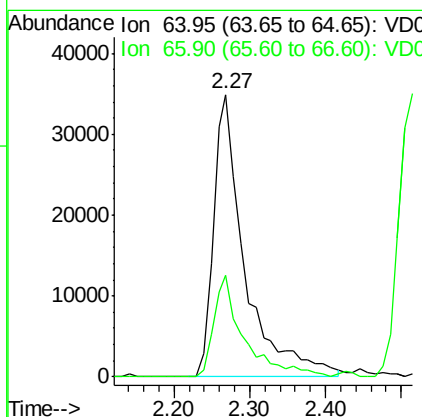
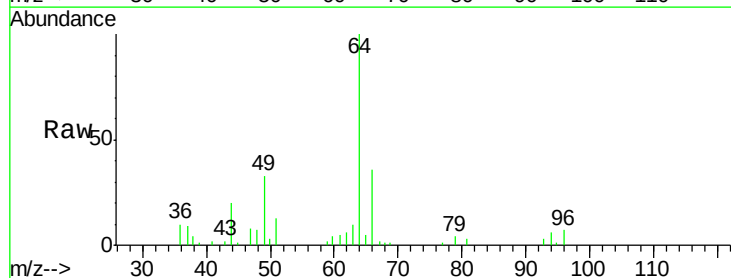
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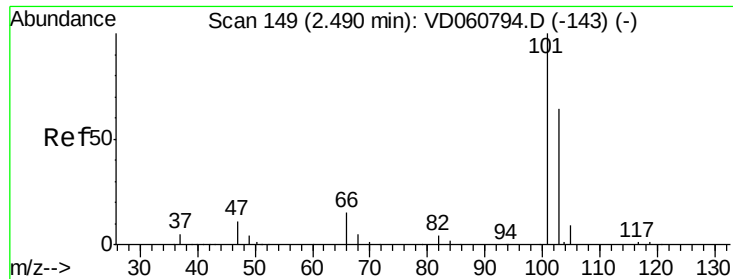
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#6
Chloroethane
Concen: 59.839 ug/l
RT: 2.27 min Scan# 126
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 64 Resp: 100514
Ion Ratio Lower Upper
64 100
66 35.8 30.2 45.4





#7

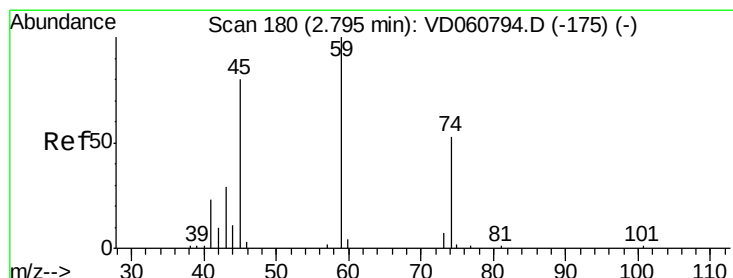
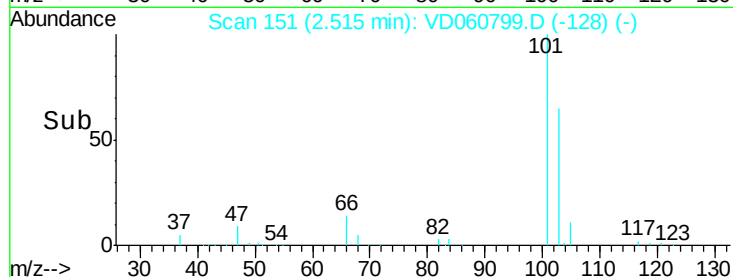
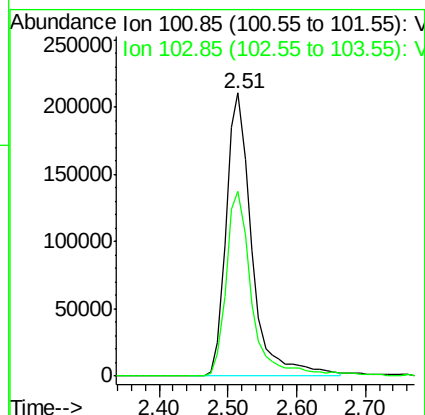
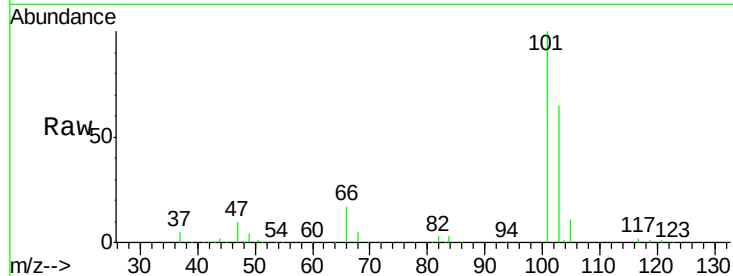
Trichlorofluoromethane
Concen: 61.030 ug/l
RT: 2.51 min Scan# 151
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.4	51.3	76.9

Manual Integrations
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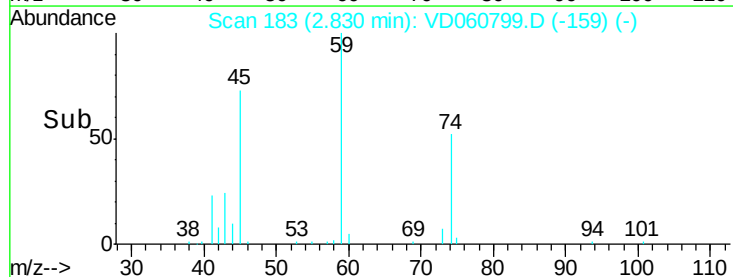
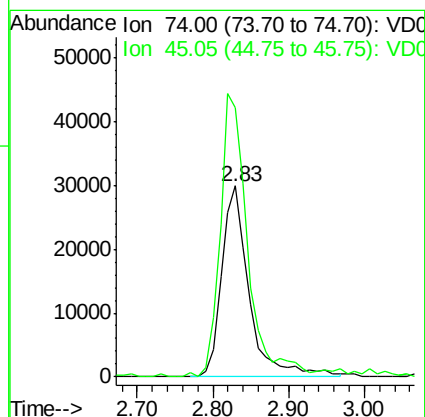
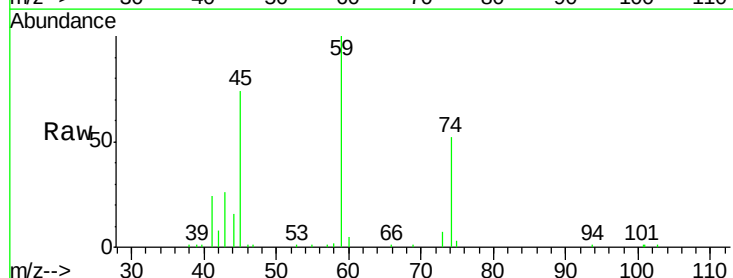
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2/1/2019 3:55:30 PM

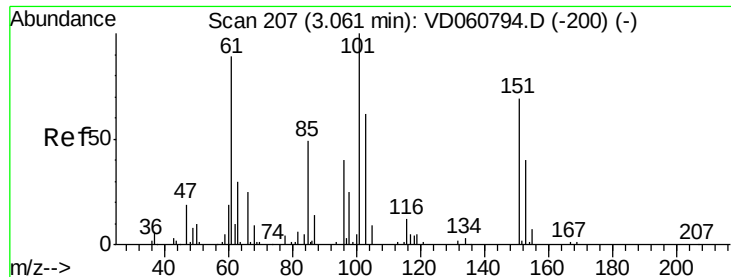


#8

Diethyl Ether
Concen: 57.251 ug/l
RT: 2.83 min Scan# 183
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
74	100		
45	141.2	75.6	226.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 60.882 ug/l

RT: 3.09 min Scan# 209

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

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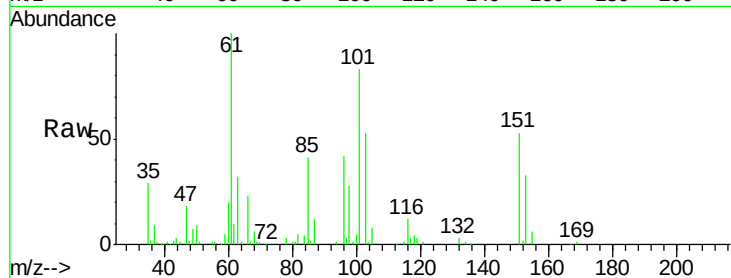
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VSTDCCC050

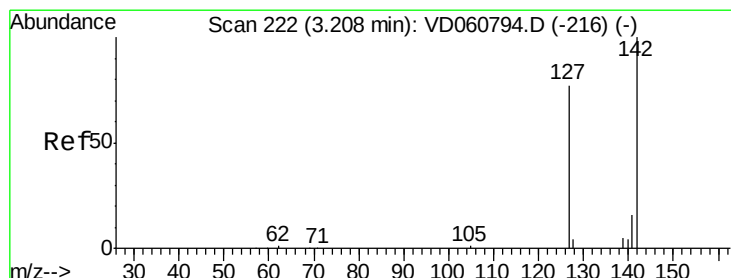
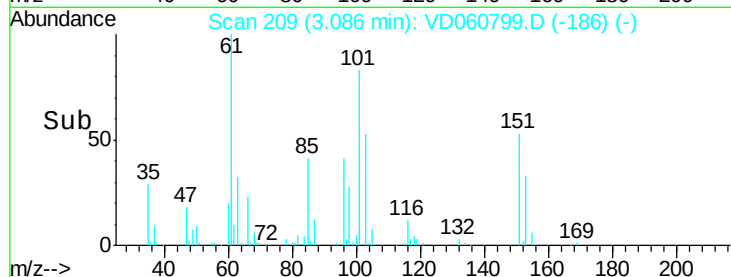
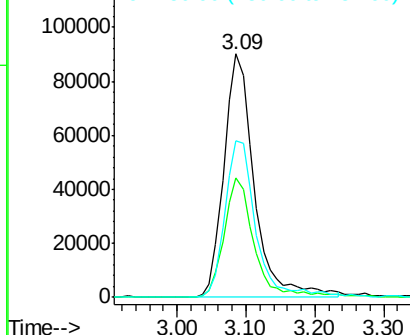
Tot Ion:	101	Resp:	275829
Ion Ratio	Lower	Upper	
101	100		
85	49.3	39.3	58.9
151	64.2	55.1	82.7

Manual Integrations
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2/1/2019 3:55:30 PM



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: 59.322 ug/l

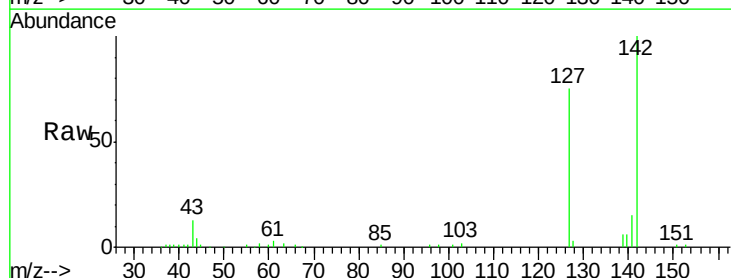
RT: 3.24 min Scan# 225

Delta R.T. 0.03 min

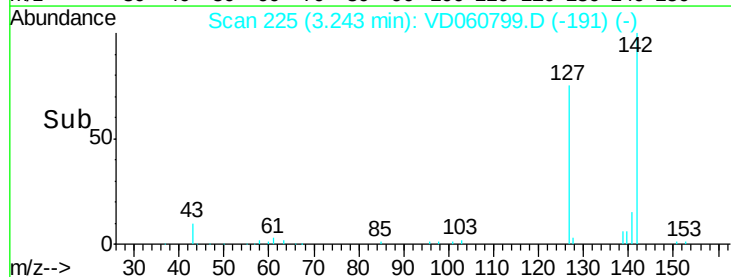
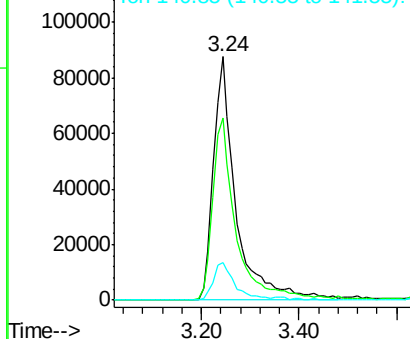
Lab File: VD060799.D

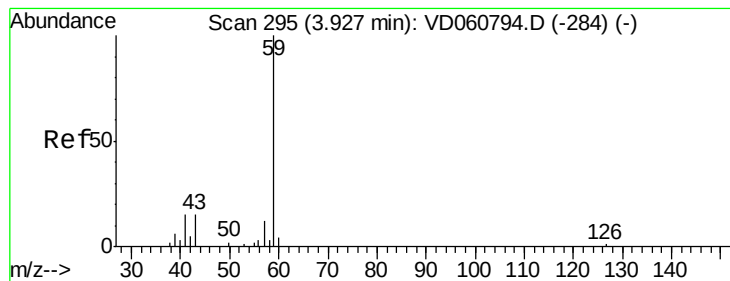
Acq: 30 Jan 2019 11:46

Tgt Ion:	142	Resp:	281385
Ion Ratio	Lower	Upper	
142	100		
127	74.7	61.6	92.4
141	15.4	12.5	18.7



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

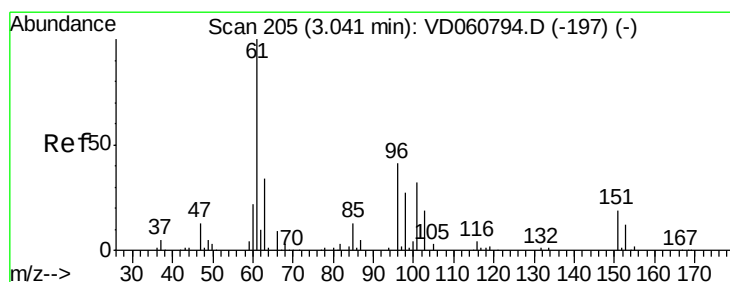
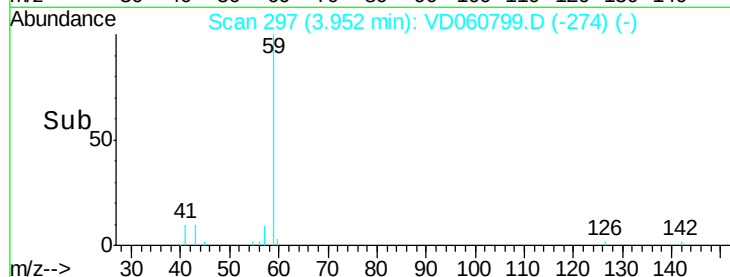
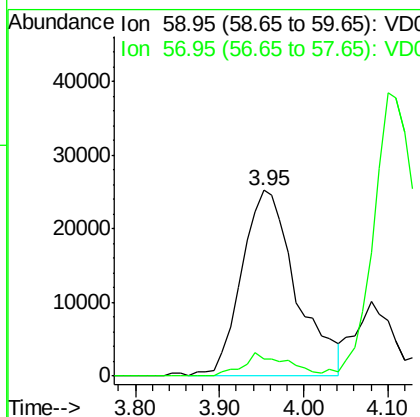
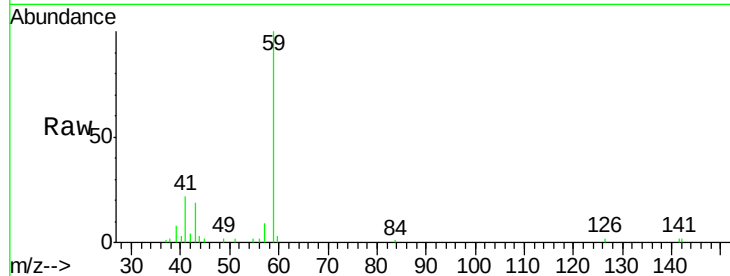
Tert butyl alcohol
 Concen: 265.181 ug/l
 RT: 3.95 min Scan# 297
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	59	57	Ratio	100	9.2	Resp:	114189	Lower	9.8	Upper	14.6#
Ion	59	57	Ratio	100	9.2	Resp:	114189	Lower	9.8	Upper	14.6#

Manual Integrations
 APPROVED

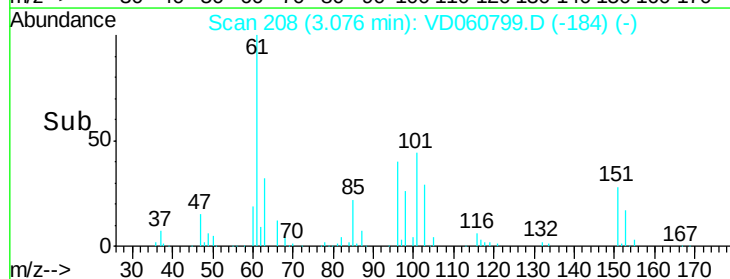
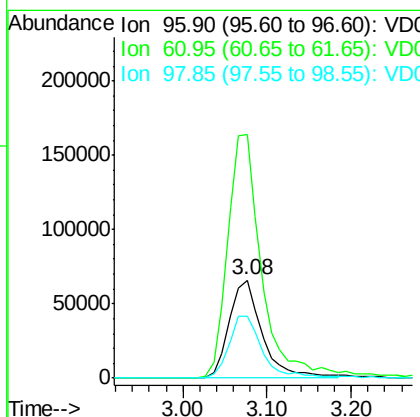
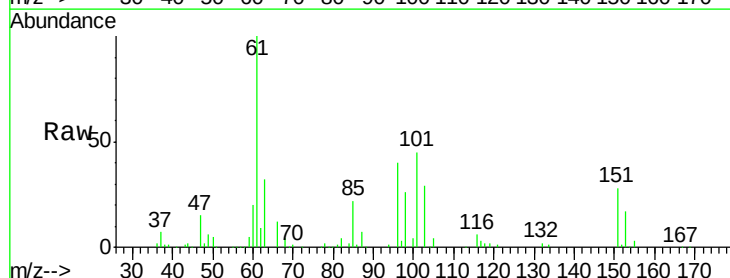
MMDadoda
 2/1/2019 3:55:30 PM

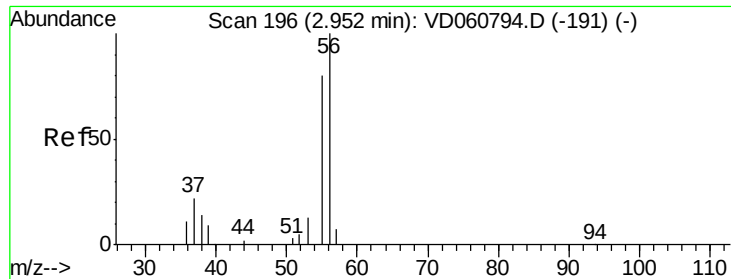


#12

1,1-Dichloroethene
 Concen: 58.064 ug/l
 RT: 3.08 min Scan# 208
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion	96	61	98	Ratio	100	249.1	63.7	Resp:	179766	Lower	195.1	52.5	Upper	292.7	78.7
Ion	96	61	98	Ratio	100	249.1	63.7	Resp:	179766	Lower	195.1	52.5	Upper	292.7	78.7





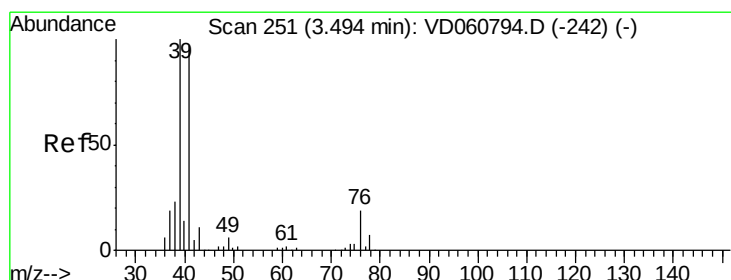
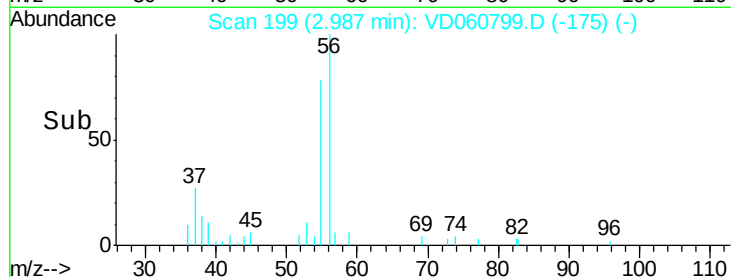
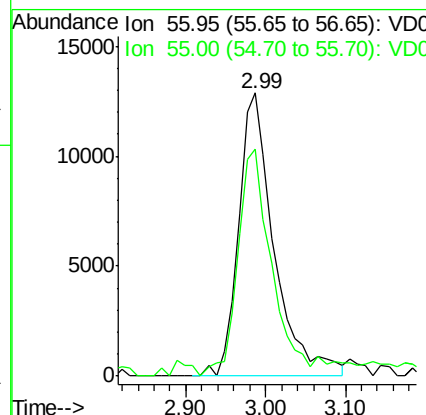
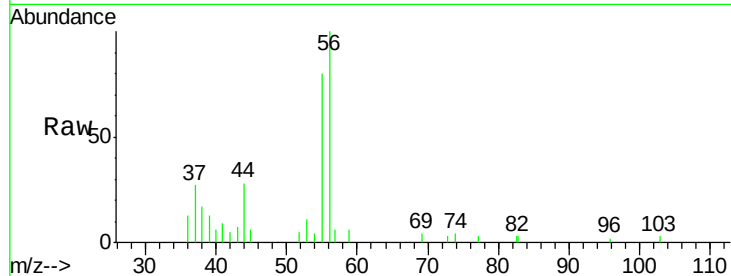
#13
Acrolein
Concen: 274.867 ug/l
RT: 2.99 min Scan# 199
Delta R.T. 0.04 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	56	Resp	39646
Ion Ratio	Lower	Upper	
56	100		
55	80.4	64.2	96.2

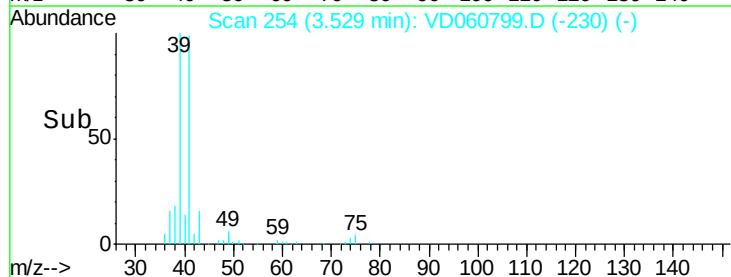
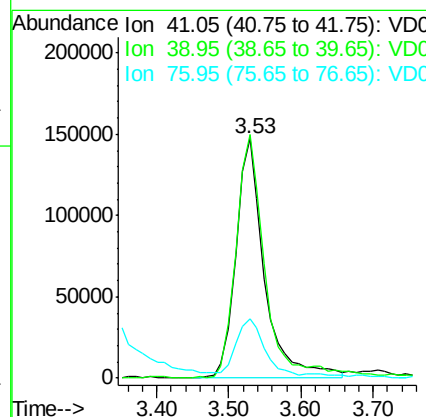
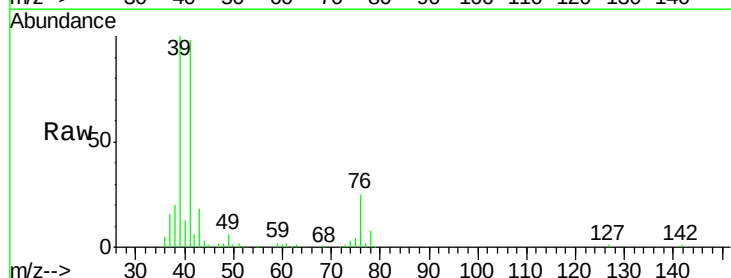
Manual Integrations
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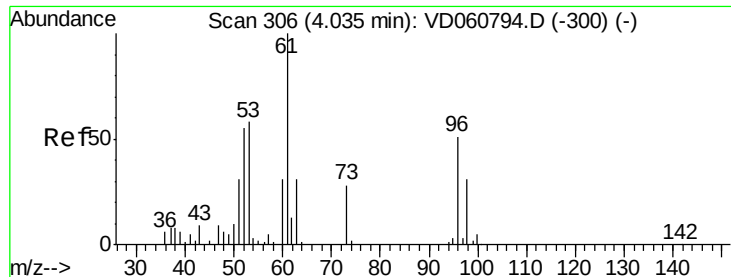
MMDadoda
2/1/2019 3:55:30 PM



#14
Allyl chloride
Concen: 55.809 ug/l
RT: 3.53 min Scan# 254
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion	41	Resp	402098
Ion Ratio	Lower	Upper	
41	100		
39	101.7	82.6	123.8
76	25.0	18.9	28.3





#15

Acrylonitrile

Concen: 263.302 ug/l

RT: 4.07 min Scan# 309

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

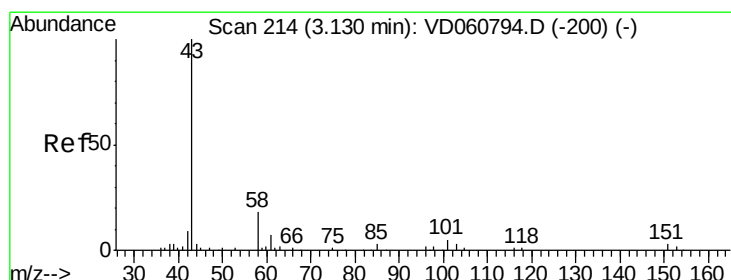
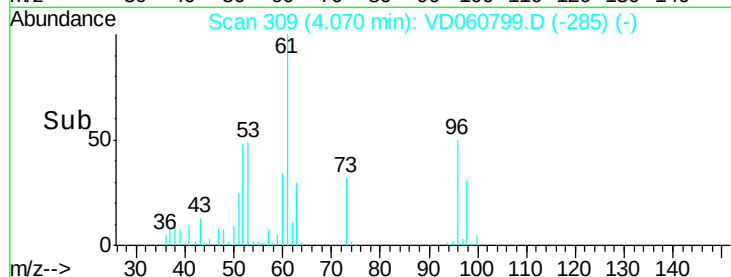
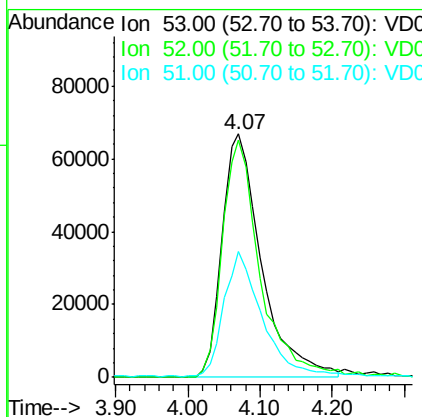
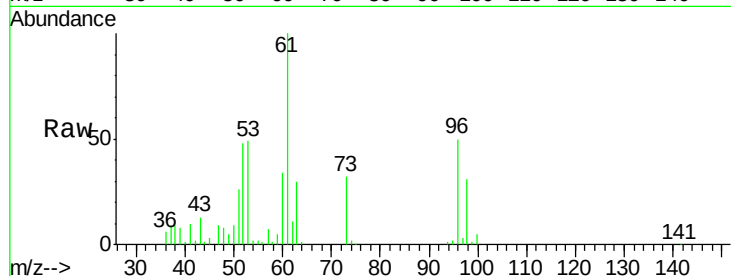
ClientSampleId :

VSTDCCC050

Tot Ion:	53	Resp:	254042
Ion	Ratio	Lower	Upper
53	100		
52	97.6	75.4	113.2
51	51.9	42.5	63.7

Manual Integrations
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2/1/2019 3:55:30 PM



#16

Acetone

Concen: 281.324 ug/l

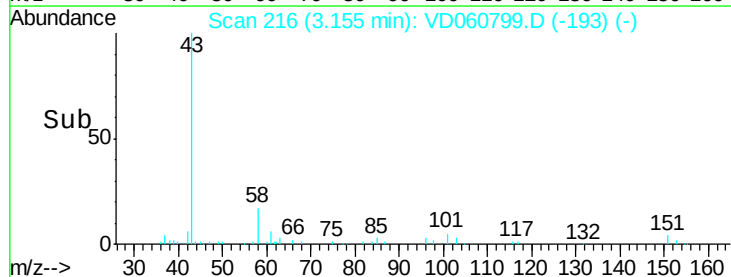
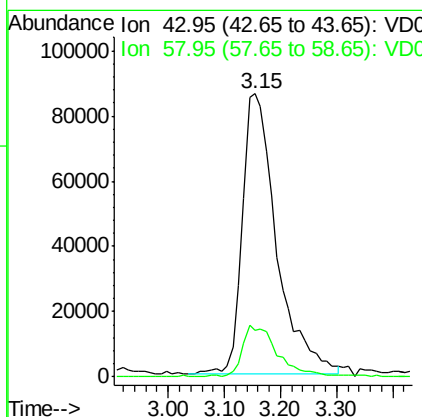
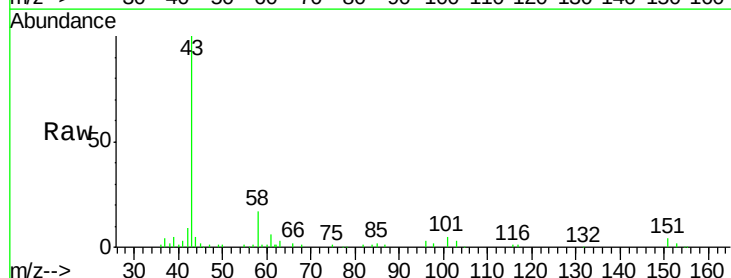
RT: 3.15 min Scan# 216

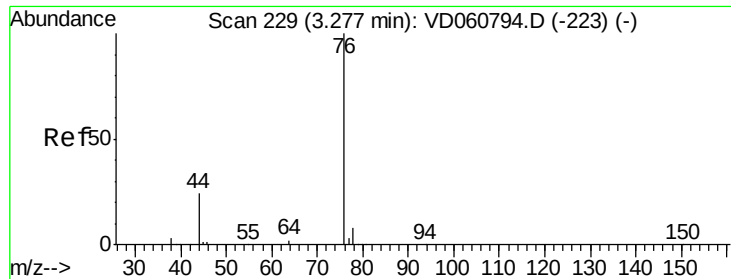
Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion:	43	Resp:	366124
Ion	Ratio	Lower	Upper
43	100		
58	16.6	14.5	21.7





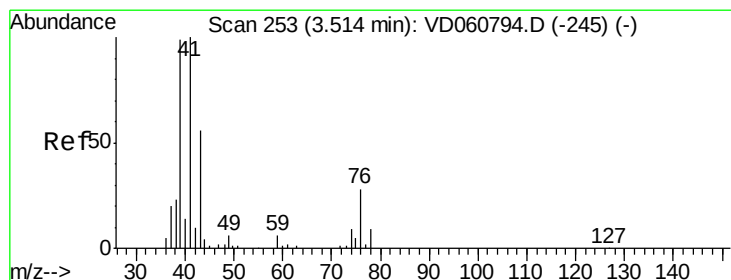
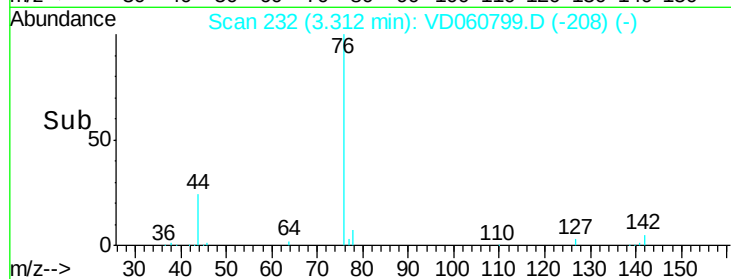
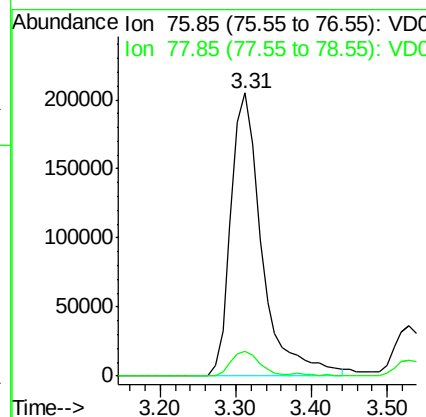
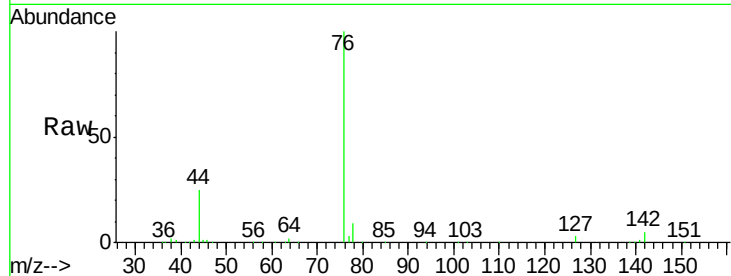
#17
Carbon Disulfide
Concen: 53.334 ug/l
RT: 3.31 min Scan# 232
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.8	6.5	9.7

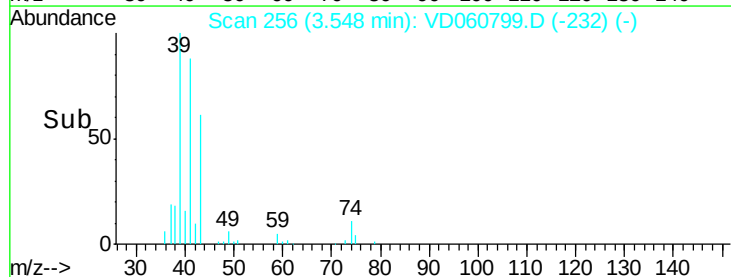
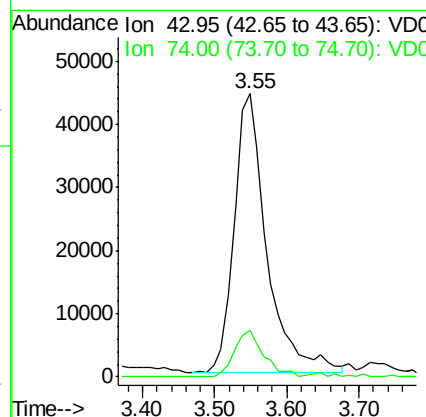
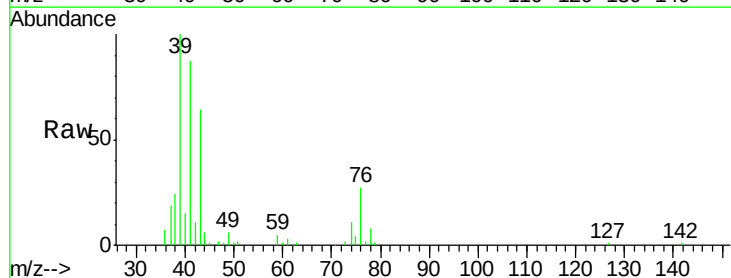
Manual Integrations
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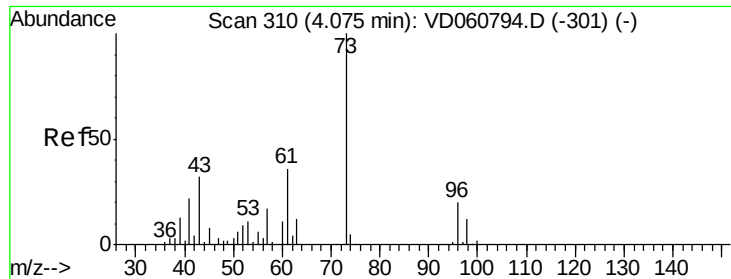
MMDadoda
2/1/2019 3:55:30 PM



#18
Methyl Acetate
Concen: 53.617 ug/l
RT: 3.55 min Scan# 256
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.4	12.5	18.7





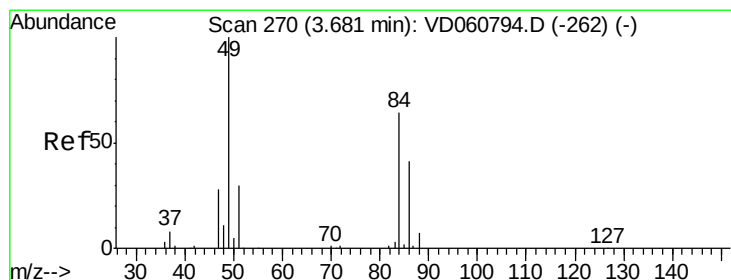
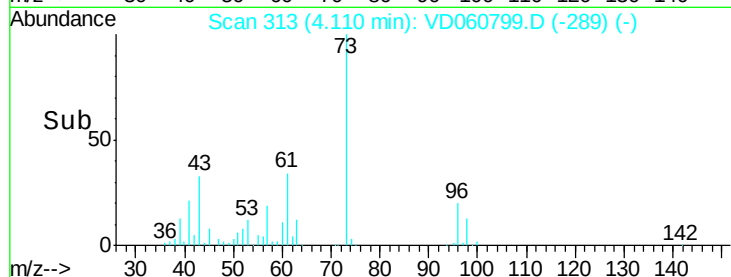
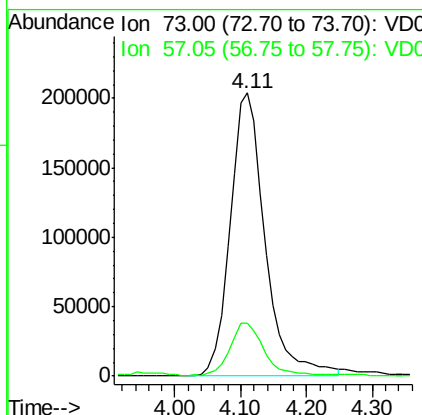
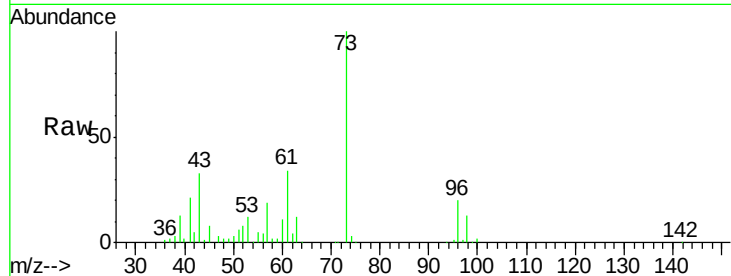
#19
Methyl tert-butyl Ether
Concen: 53.552 ug/l
RT: 4.11 min Scan# 313
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 73 Resp: 756929
Ion Ratio Lower Upper
73 100
57 18.6 14.0 21.0

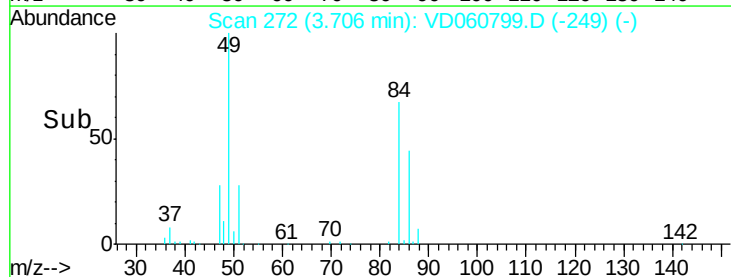
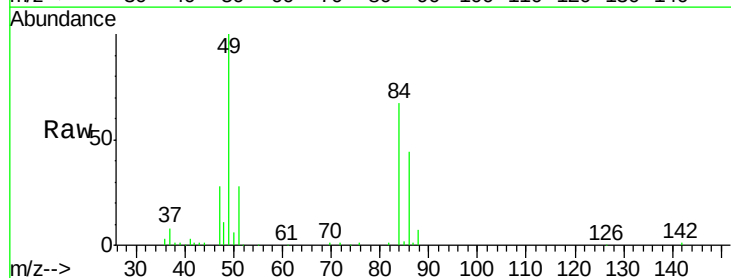
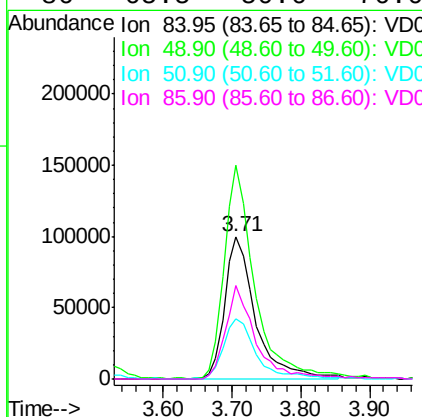
Manual Integrations
APPROVED

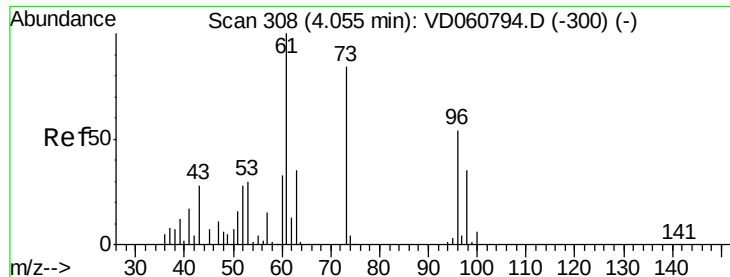
MMDadoda
2/1/2019 3:55:30 PM



#20
Methylene Chloride
Concen: 54.370 ug/l
RT: 3.71 min Scan# 272
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 84 Resp: 308811
Ion Ratio Lower Upper
84 100
49 149.7 124.2 186.2
51 42.3 38.1 57.1
86 65.5 50.6 76.0





#21

trans-1,2-Dichloroethene

Concen: 53.163 ug/l

RT: 4.08 min Scan# 310

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 96 Resp: 290153

Ion Ratio Lower Upper

96 100

61 186.3 147.4 221.2

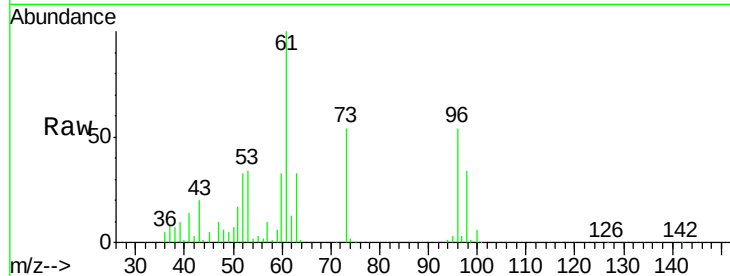
98 63.5 51.5 77.3

Manual Integrations

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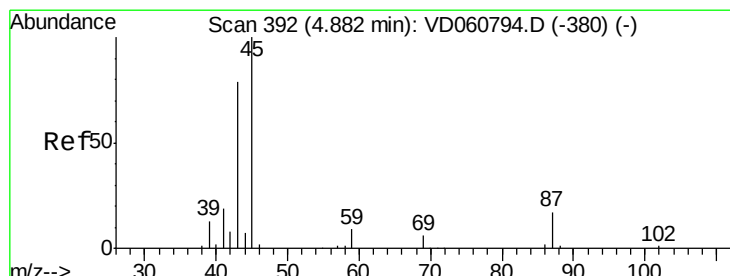
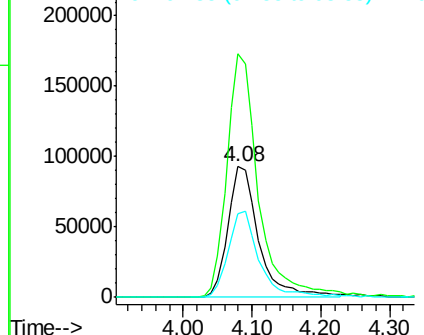
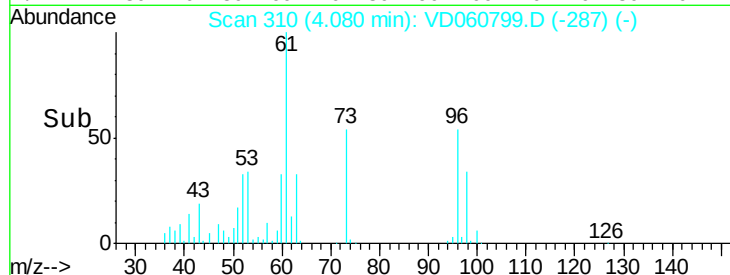
2/1/2019 3:55:30 PM



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: 53.842 ug/l

RT: 4.92 min Scan# 395

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion: 45 Resp: 999632

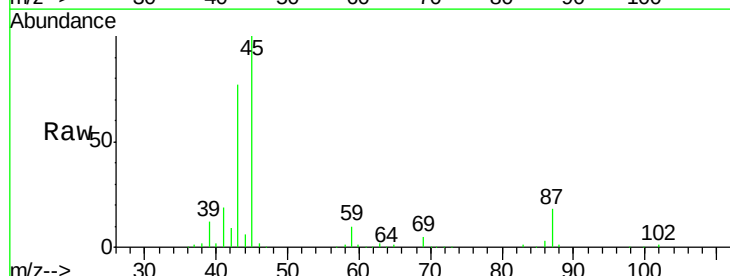
Ion Ratio Lower Upper

45 100

43 77.2 64.3 96.5

87 17.6 14.3 21.5

59 10.0 7.8 11.8

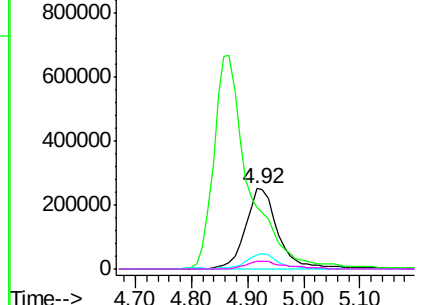
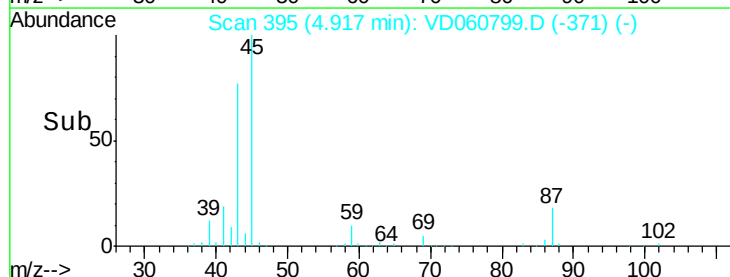


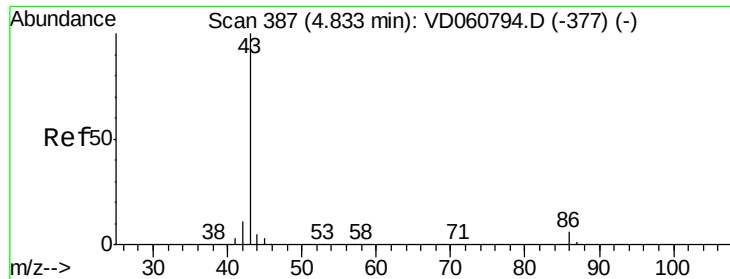
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 266.919 ug/l

RT: 4.87 min Scan# 390

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 2853810

Ion Ratio Lower Upper

43 100

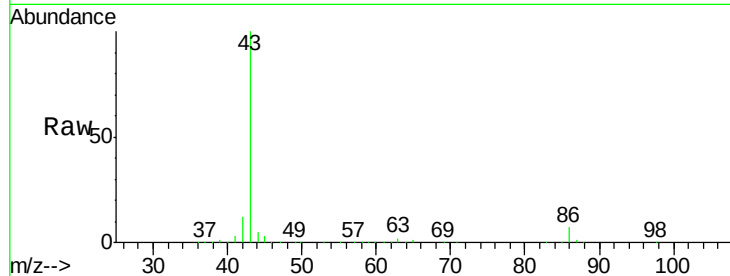
86 6.7 4.7 7.1

Manual Integrations

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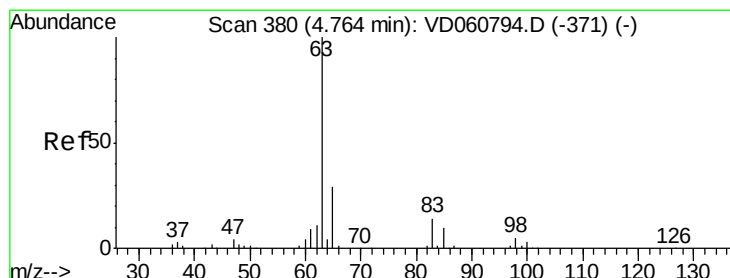
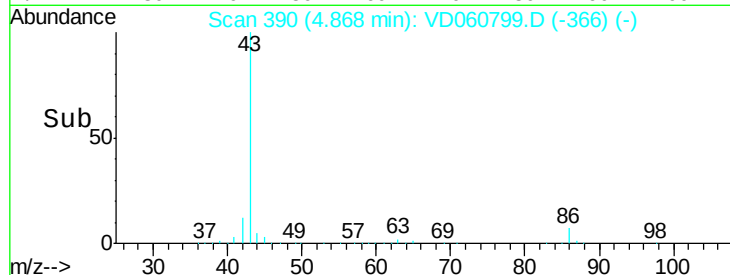
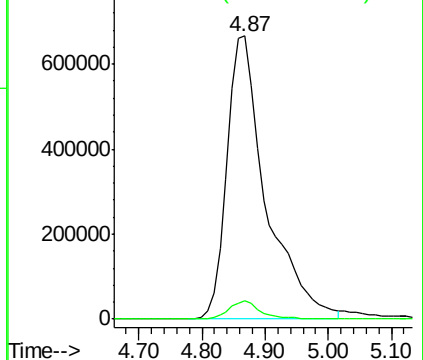
MMDadoda

2/1/2019 3:55:30 PM



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 52.988 ug/l

RT: 4.80 min Scan# 383

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

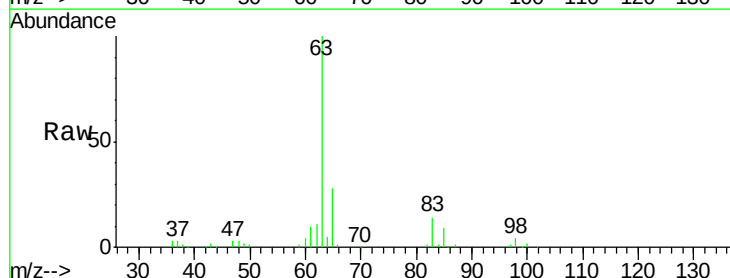
Tgt Ion: 63 Resp: 644033

Ion Ratio Lower Upper

63 100

98 4.1 2.3 6.9

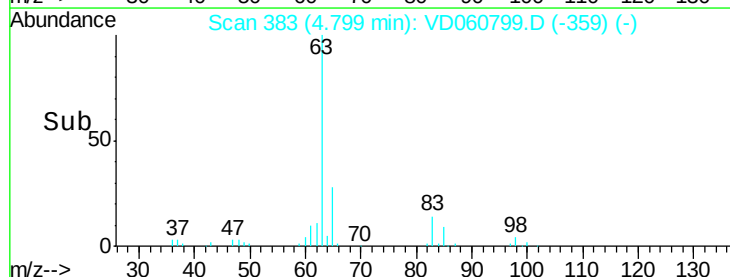
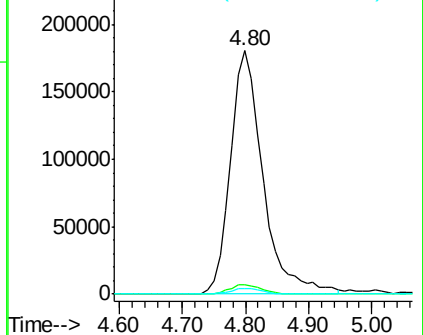
100 2.5 1.3 3.8

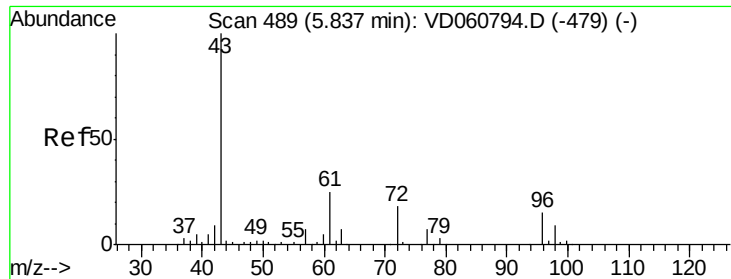


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 280.125 ug/l

RT: 5.86 min Scan# 491

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 466624

Ion Ratio Lower Upper

43 100

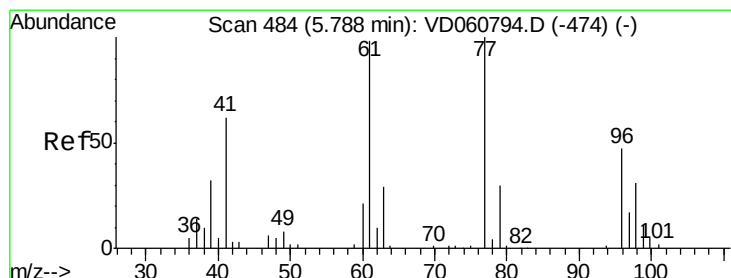
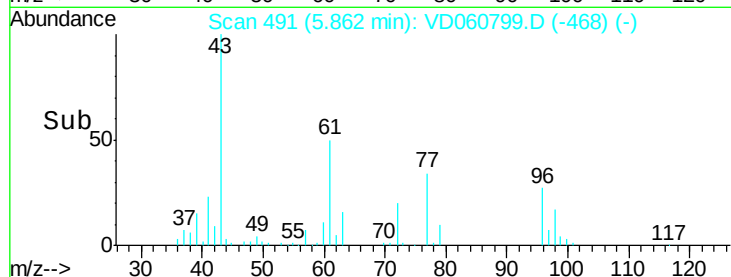
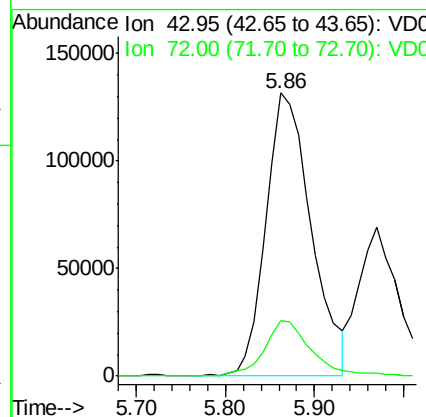
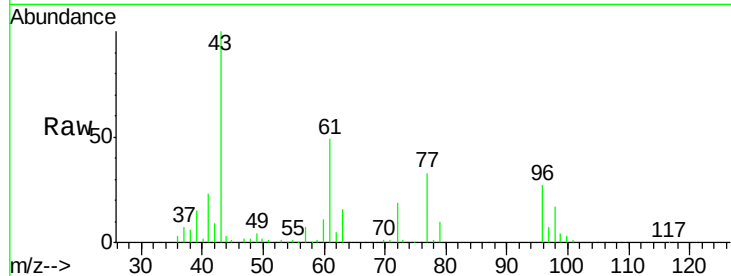
72 19.5 14.4 21.6

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#26

2,2-Dichloropropane

Concen: 56.105 ug/l

RT: 5.81 min Scan# 486

Delta R.T. 0.03 min

Lab File: VD060799.D

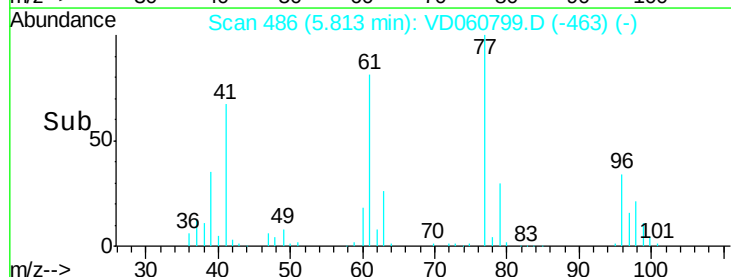
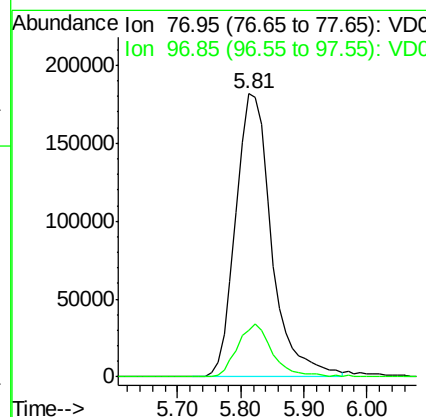
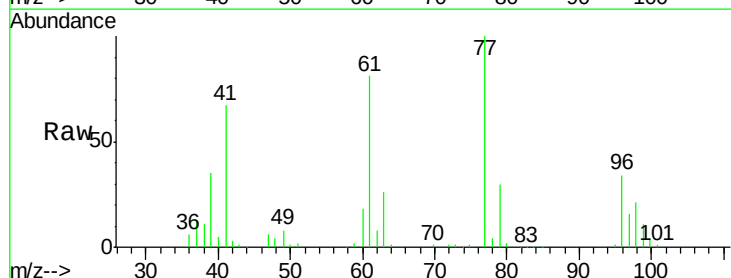
Acq: 30 Jan 2019 11:46

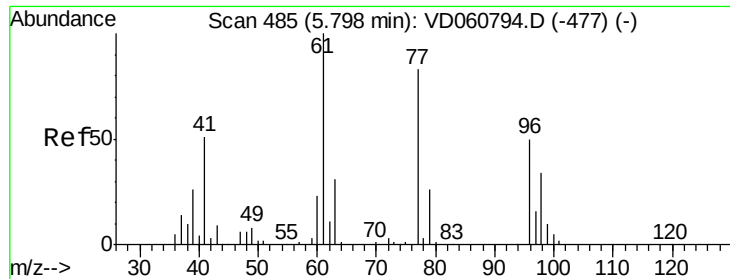
Tgt Ion: 77 Resp: 718508

Ion Ratio Lower Upper

77 100

97 16.4 8.3 24.9





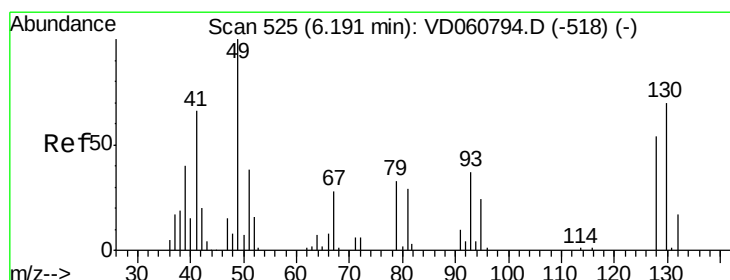
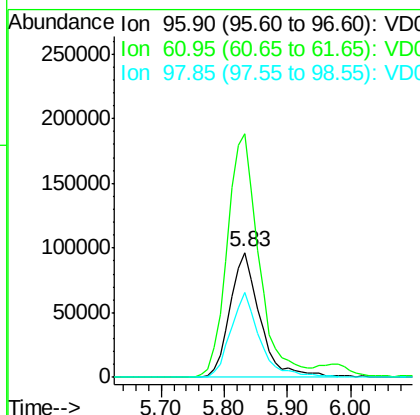
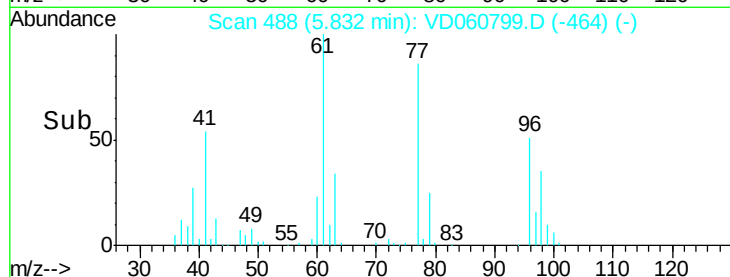
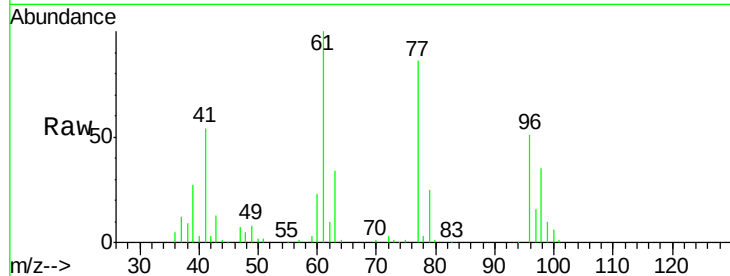
#27
 cis-1,2-Dichloroethene
 Concen: 51.169 ug/l
 RT: 5.83 min Scan# 488
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
96	100	318068		
61	195.1	0.0	400.0	
98	68.2	0.0	136.4	

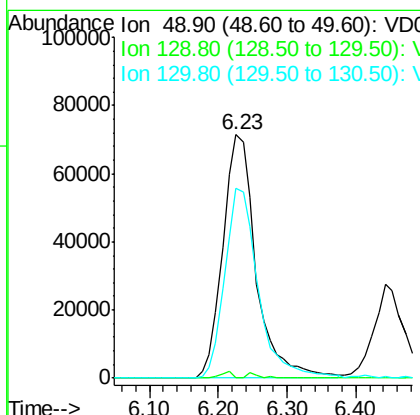
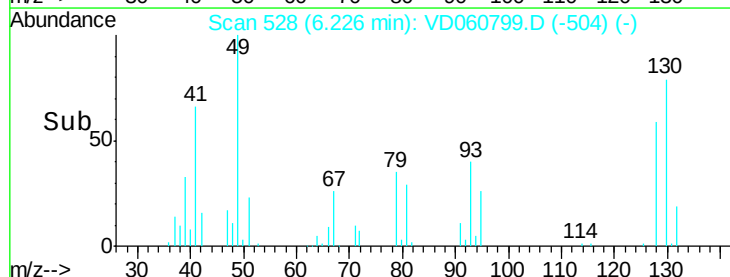
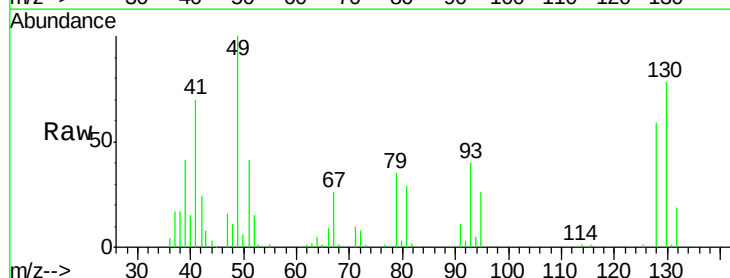
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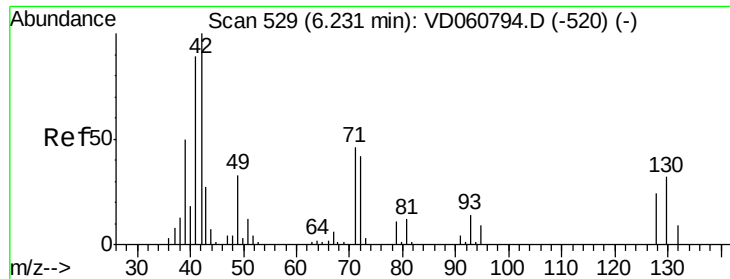
MMDadoda
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#28
 Bromochloromethane
 Concen: 50.462 ug/l
 RT: 6.23 min Scan# 528
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	239261		
129	0.0	0.0	0.0	
130	78.2	56.1	84.1	





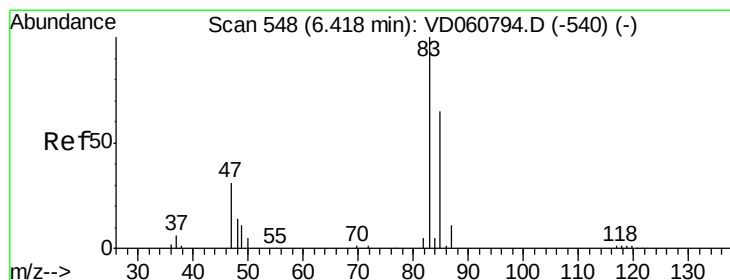
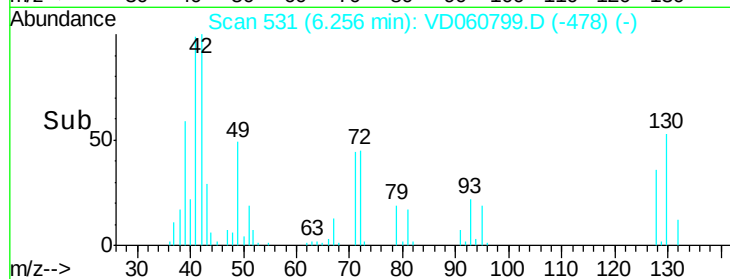
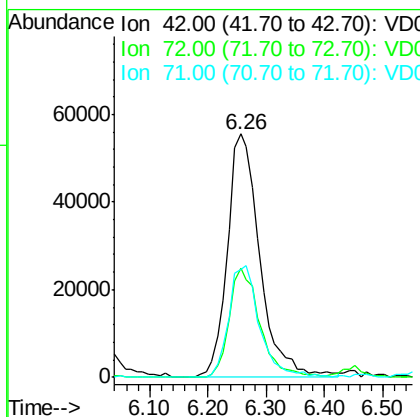
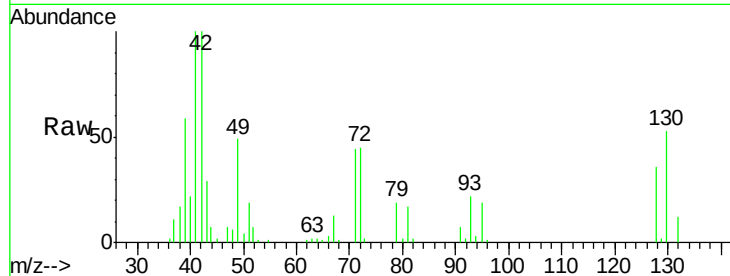
#29
Tetrahydrofuran
Concen: 269.164 ug/l
RT: 6.26 min Scan# 531
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
42	100	215315		
72	42.5		32.8	49.2
71	43.5		34.6	52.0

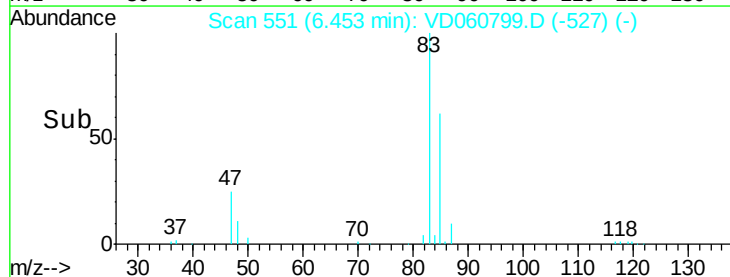
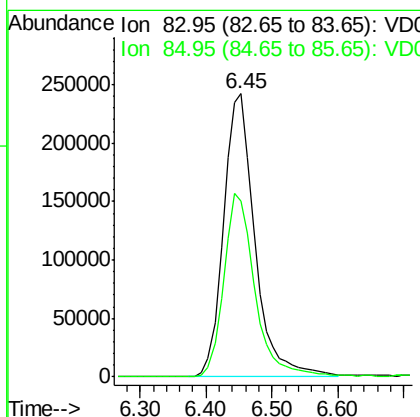
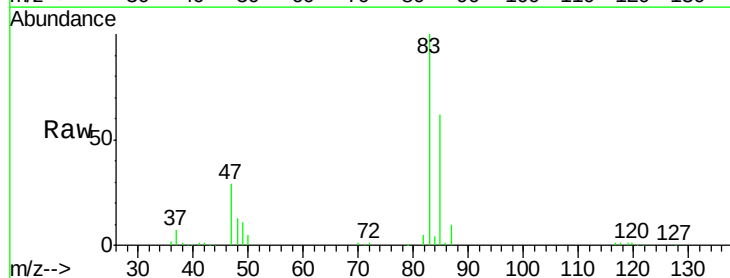
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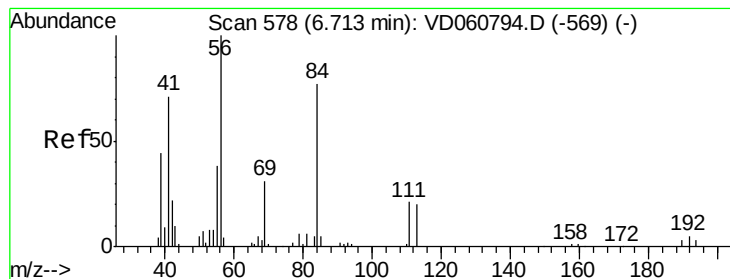
MMDadoda
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#30
Chloroform
Concen: 56.082 ug/l
RT: 6.45 min Scan# 551
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	805642		
85	62.2		52.3	78.5





#31

Cyclohexane

Concen: 57.496 ug/l

RT: 6.74 min Scan# 580

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

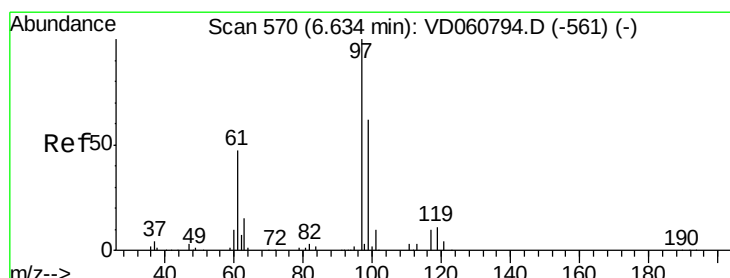
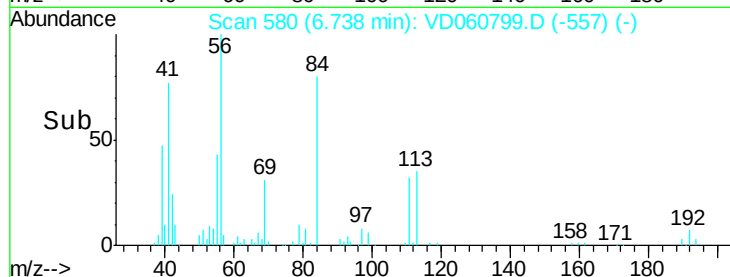
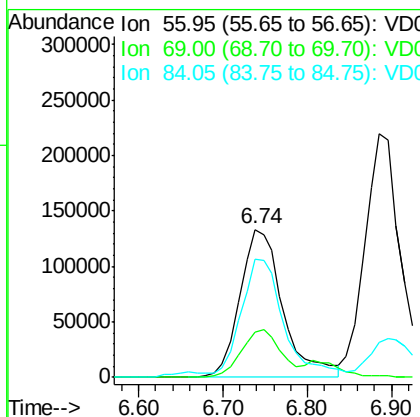
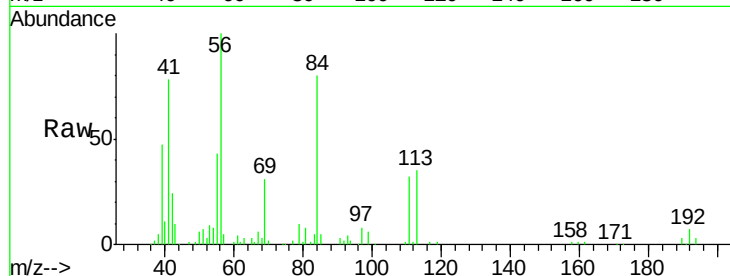
ClientSampleId :

VSTDCCC050

Tot Ion:	56	Resp:	475470
Ion	Ratio	Lower	Upper
56	100		
69	30.7	25.1	37.7
84	79.9	63.9	95.9

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#32

1,1,1-Trichloroethane

Concen: 56.981 ug/l

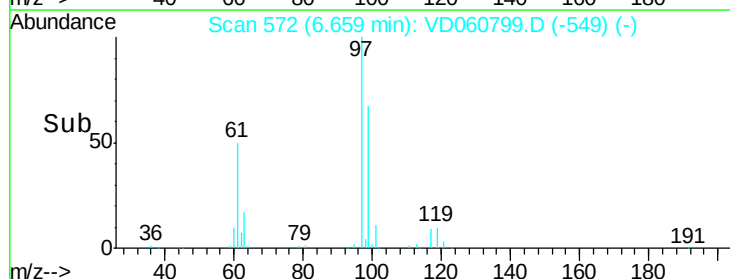
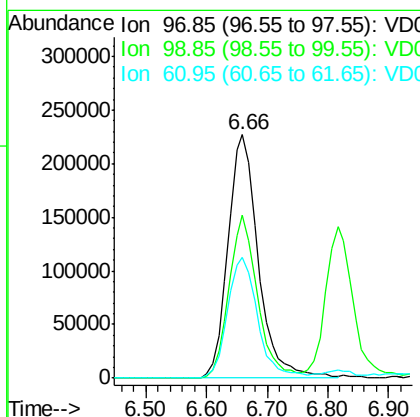
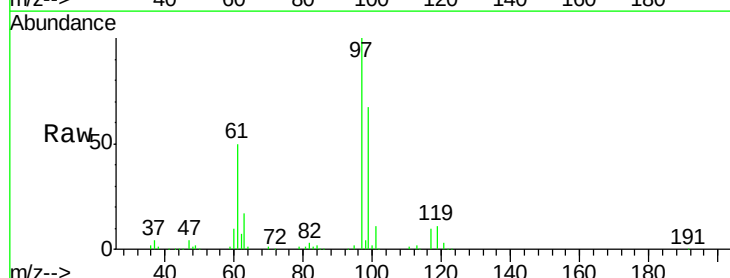
RT: 6.66 min Scan# 572

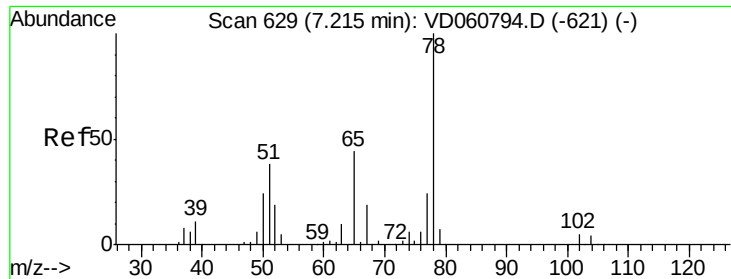
Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion:	97	Resp:	788280
Ion	Ratio	Lower	Upper
97	100		
99	67.0	49.6	74.4
61	49.7	37.4	56.2





#33

1,2-Dichloroethane-d4

Concen: 56.981 ug/l

RT: 7.24 min Scan# 631

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 65 Resp: 468306

Ion Ratio Lower Upper

65 100

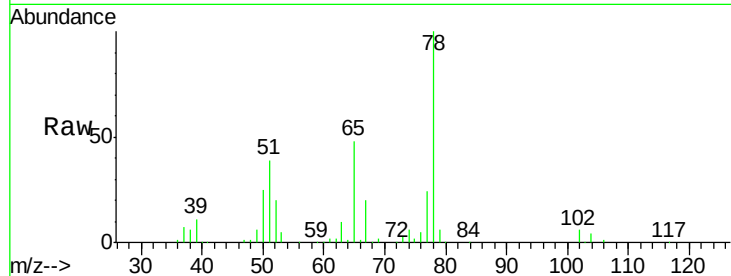
67 41.3 0.0 85.8

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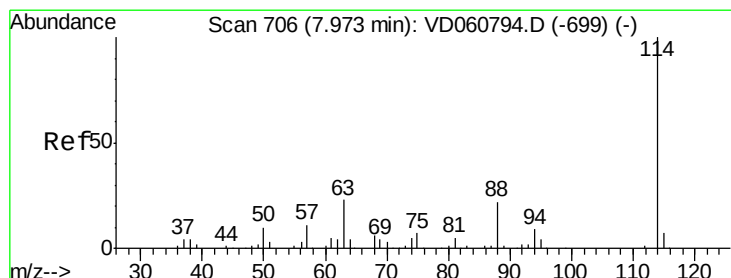
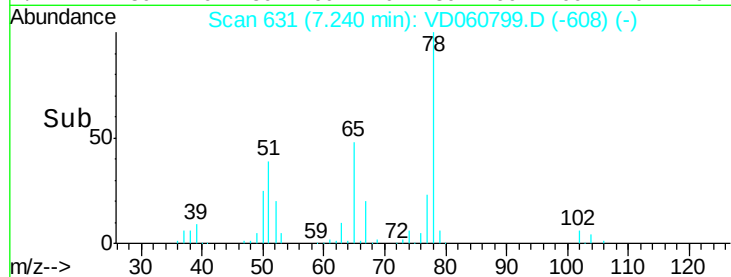
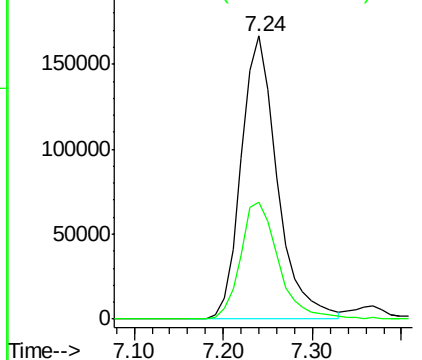
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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.00 min Scan# 708

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

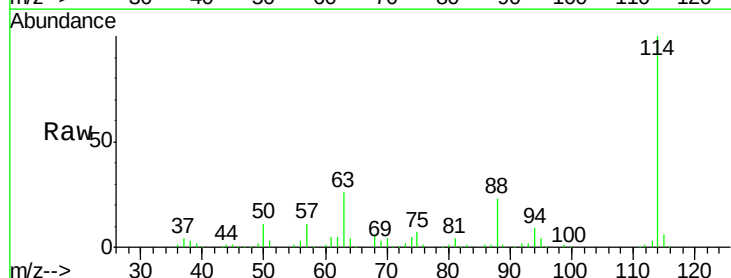
Tgt Ion: 114 Resp: 864735

Ion Ratio Lower Upper

114 100

63 25.7 0.0 46.6

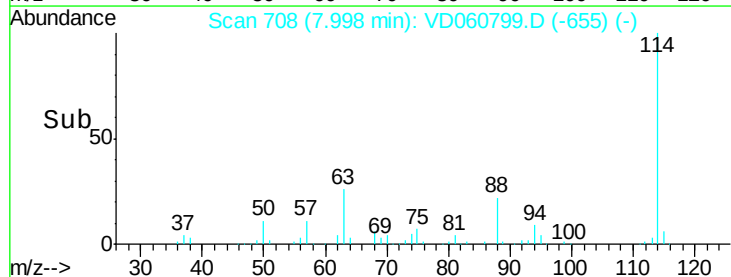
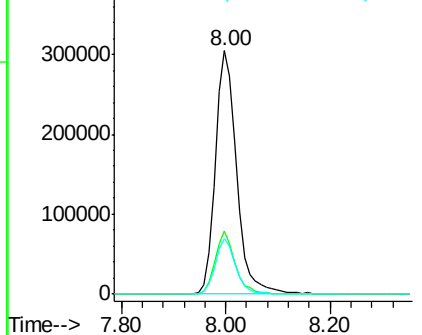
88 22.5 0.0 44.0

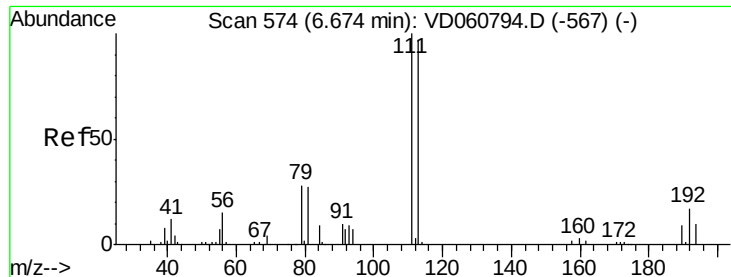


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.71 min Scan# 577

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

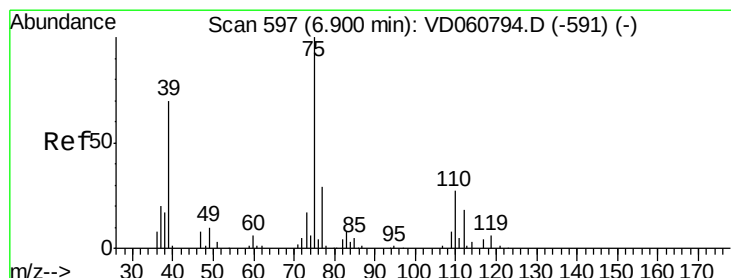
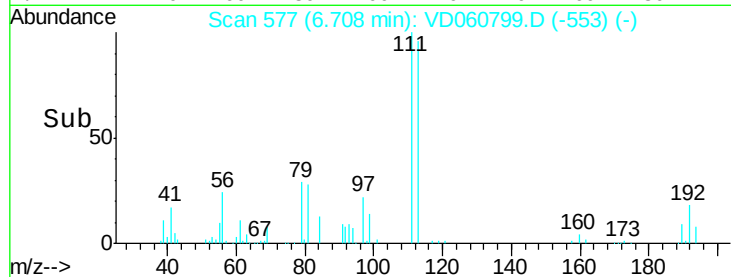
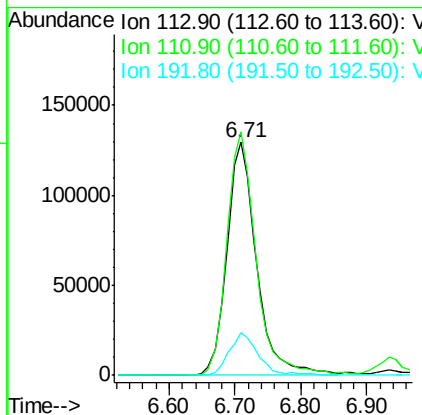
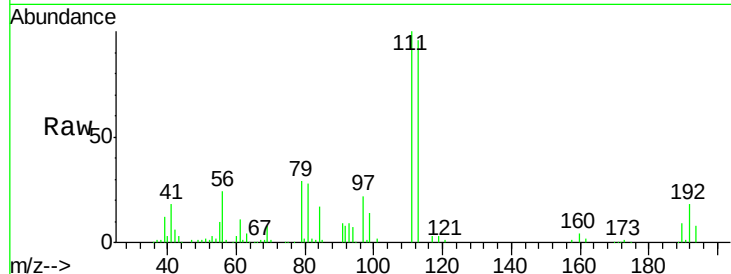
ClientSampleId :

VSTDCCC050

Tot Ion:	113	Resp:	408698
Ion	Ratio	Lower	Upper
113	100		
111	104.4	82.3	123.5
192	18.4	14.4	21.6

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#36

1,1-Dichloropropene

Concen: 50.366 ug/l

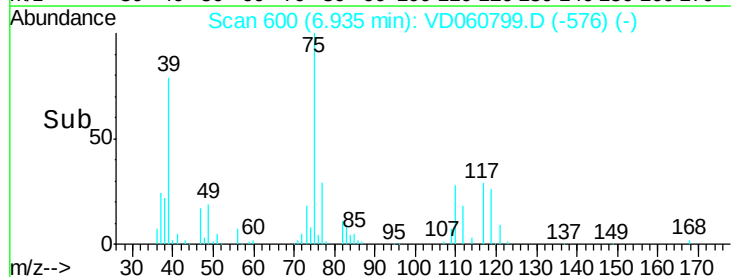
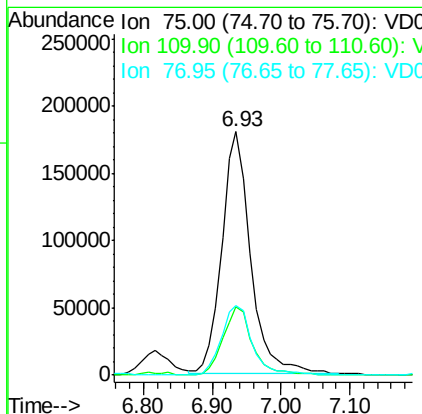
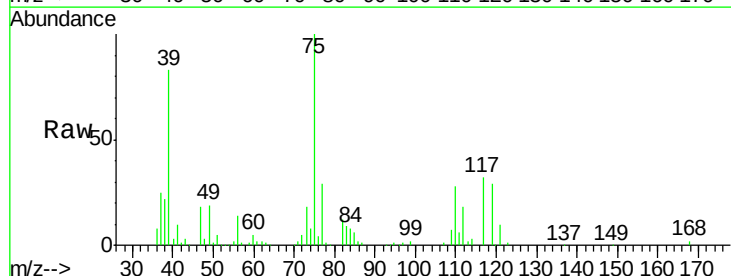
RT: 6.93 min Scan# 600

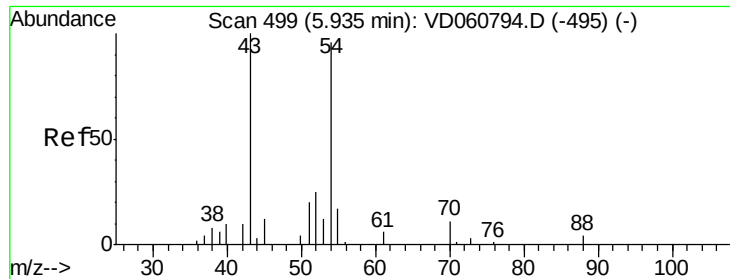
Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion:	75	Resp:	520021
Ion	Ratio	Lower	Upper
75	100		
110	27.8	13.5	40.4
77	28.7	23.4	35.2





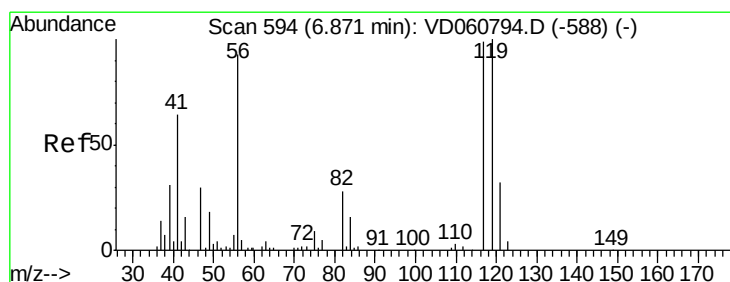
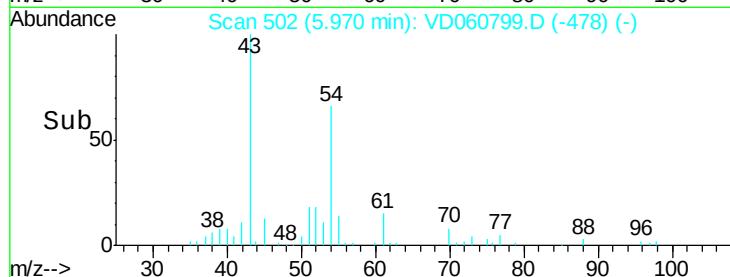
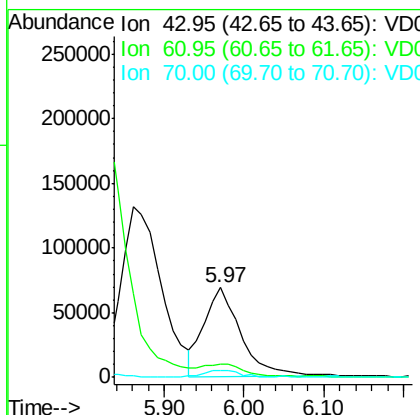
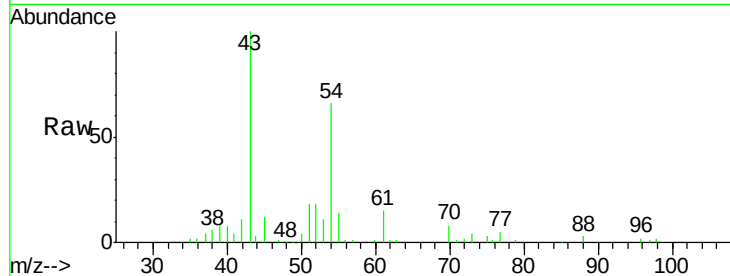
#37
Ethyl Acetate
Concen: 47.697 ug/l
RT: 5.97 min Scan# 502
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.5	12.3	18.5
70	7.5	7.4	11.0

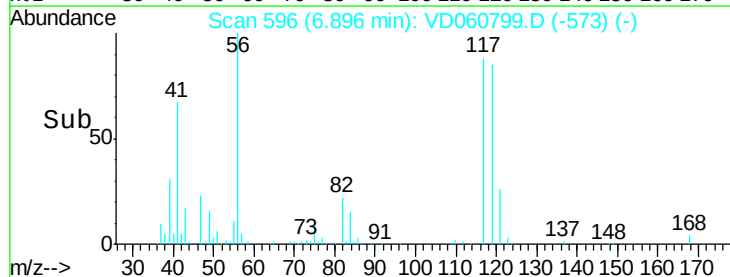
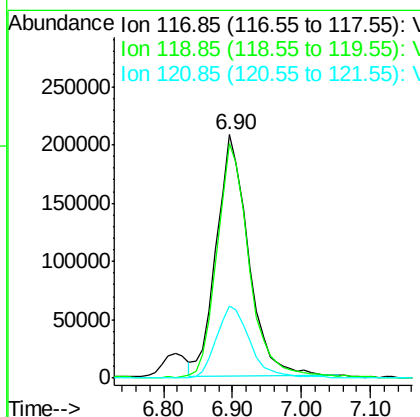
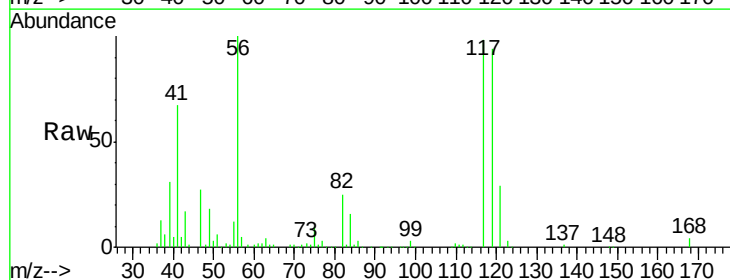
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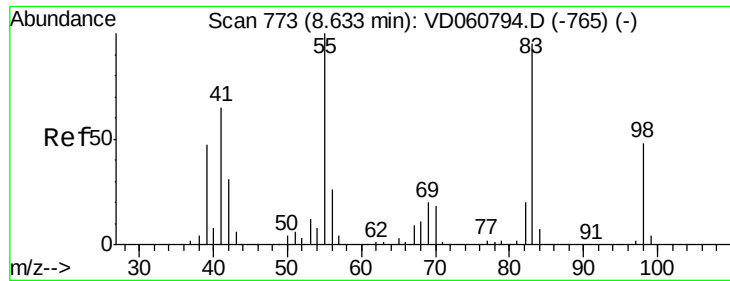
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#38
Carbon Tetrachloride
Concen: 51.684 ug/l
RT: 6.90 min Scan# 596
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
117	100		
119	96.4	75.6	113.4
121	29.6	23.4	35.2





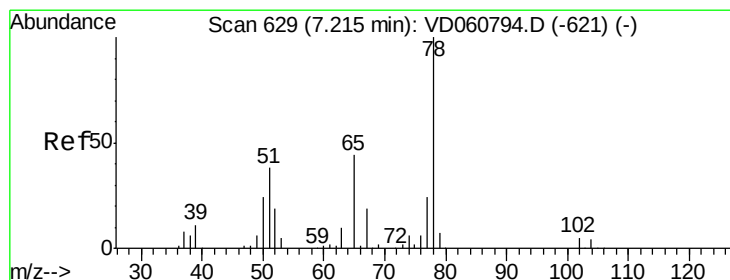
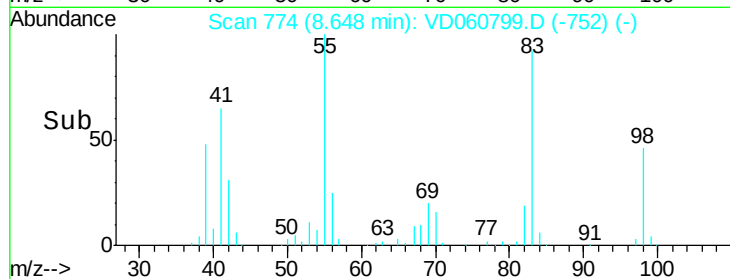
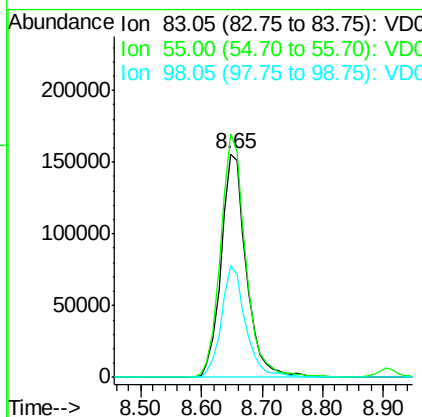
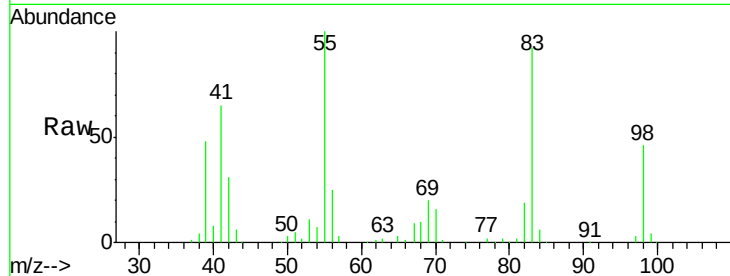
#39
Methylvlcyclohexane
Concen: 51.925 ug/l
RT: 8.65 min Scan# 774
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	448966
Ion Ratio	Lower	Upper	
83	100		
55	108.9	83.8	125.8
98	50.2	39.8	59.8

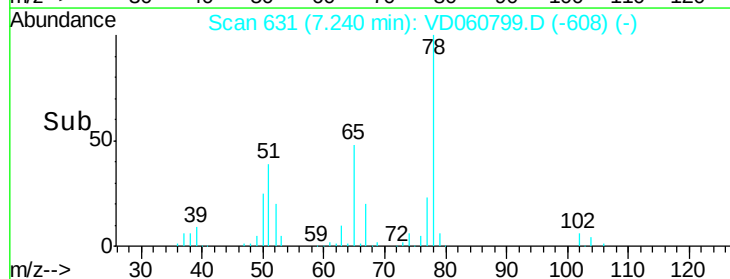
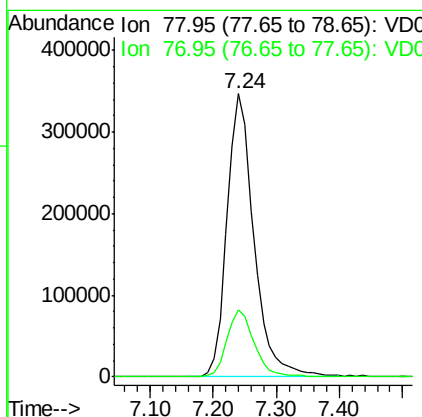
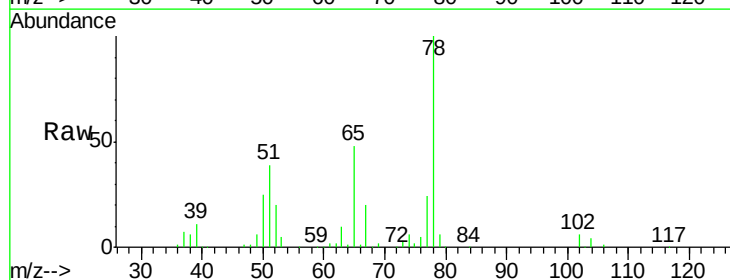
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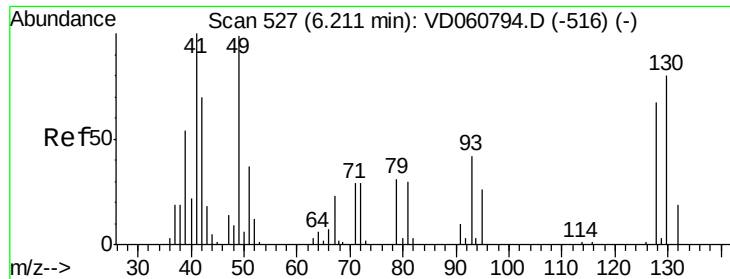
MMDadoda
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#40
Benzene
Concen: 50.295 ug/l
RT: 7.24 min Scan# 631
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion	78	Resp	1024895
Ion Ratio	Lower	Upper	
78	100		
77	23.5	18.9	28.3





#41

Methacrylonitrile

Concen: 41.232 ug/l m

RT: 6.24 min Scan# 529

Delta R.T. 0.03 min

Lab File: VD060799.D

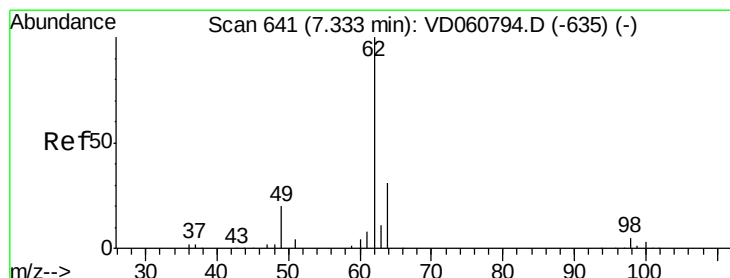
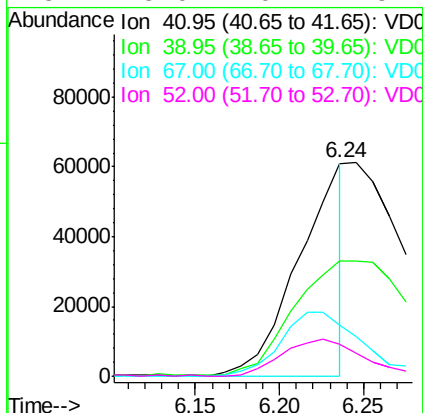
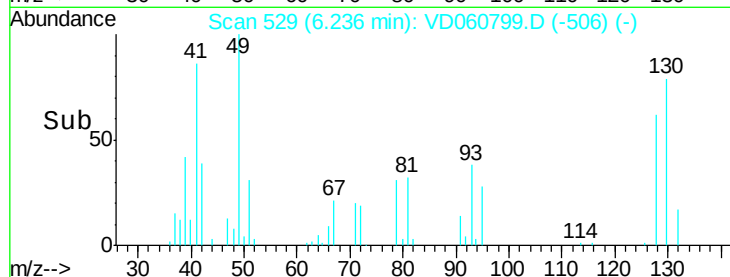
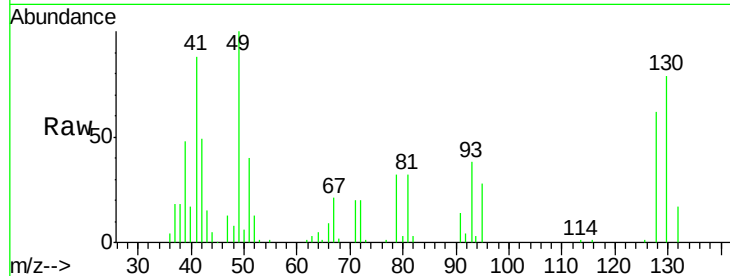
Acq: 30 Jan 2019 11:46

Tot Ion	Ratio	Lower	Upper
41	100		
39	53.9	43.6	65.4
67	24.2	18.5	27.7
52	15.0	10.2	15.2

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 51.923 ug/l

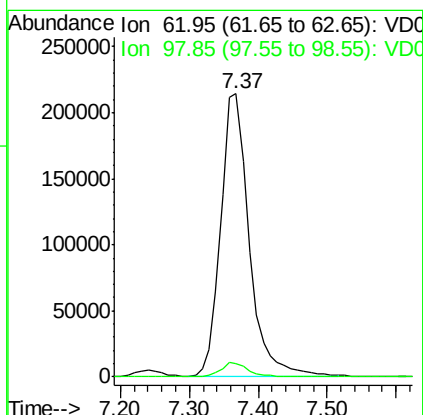
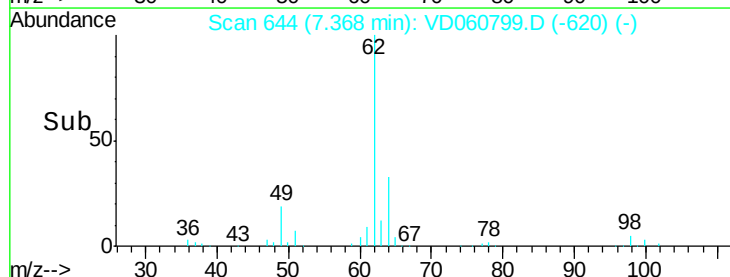
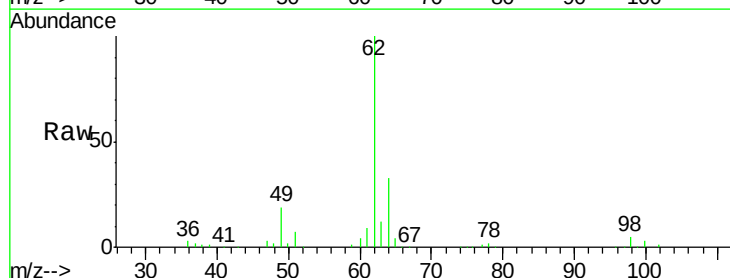
RT: 7.37 min Scan# 644

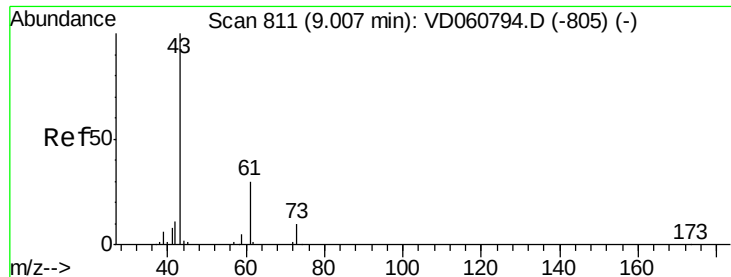
Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
62	100		
98	4.6	0.0	10.2





#43

Isopropyl Acetate

Concen: 52.483 ug/l

RT: 9.02 min Scan# 812

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

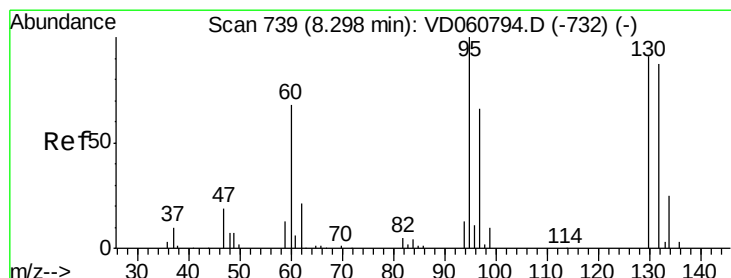
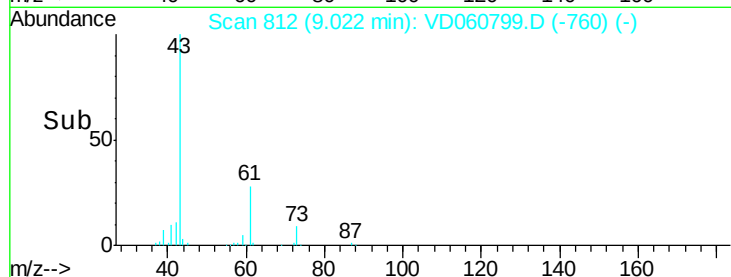
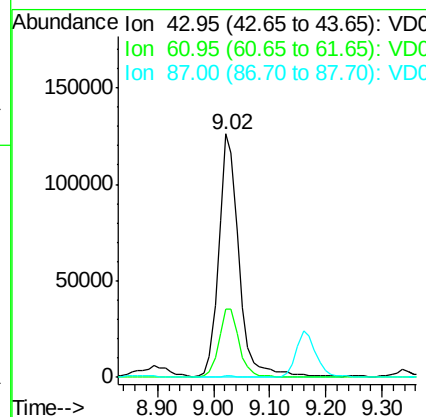
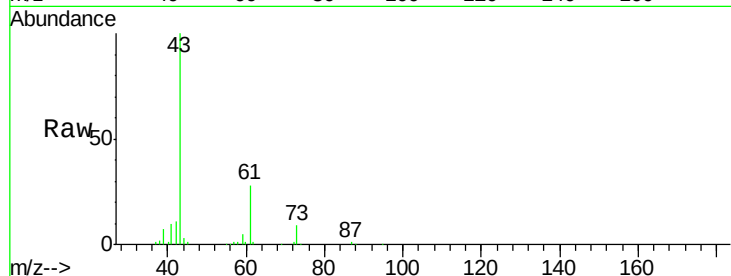
ClientSampleId :

VSTDCCC050

Tot Ion:	43	Resp:	315490
Ion	Ratio	Lower	Upper
43	100		
61	28.0	24.1	36.1
87	0.5	0.0	0.0#

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#44

Trichloroethene

Concen: 50.799 ug/l

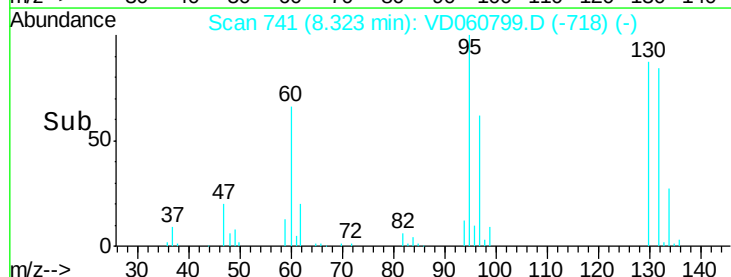
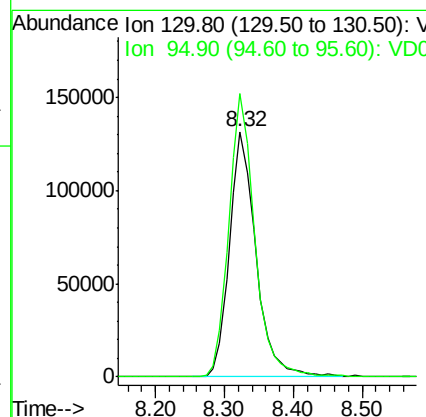
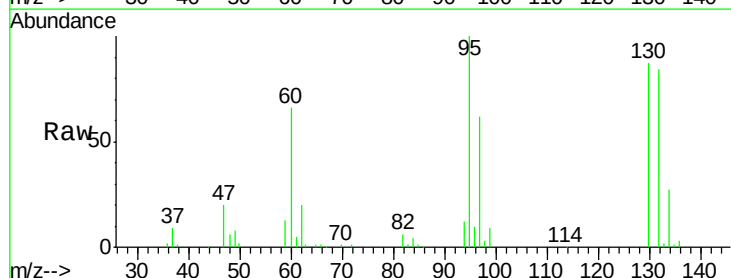
RT: 8.32 min Scan# 741

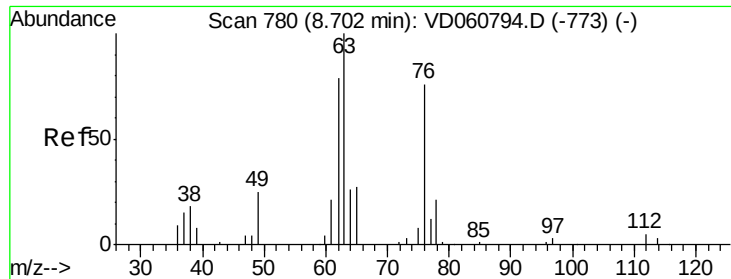
Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion:	130	Resp:	350923
Ion	Ratio	Lower	Upper
130	100		
95	115.4	0.0	221.0





#45

1,2-Dichloropropane

Concen: 50.395 ug/l

RT: 8.73 min Scan# 782

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 63 Resp: 277989

Ion Ratio Lower Upper

63 100

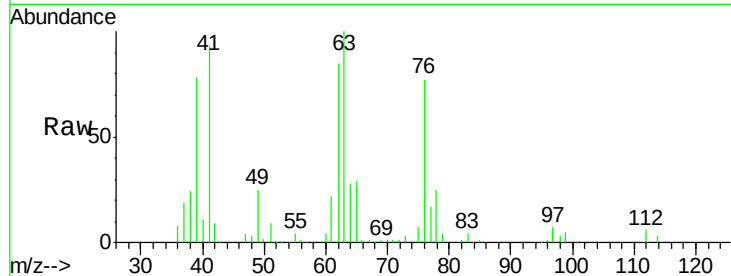
65 28.7 24.1 36.1

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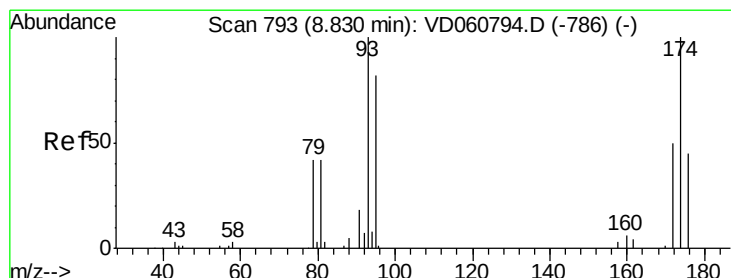
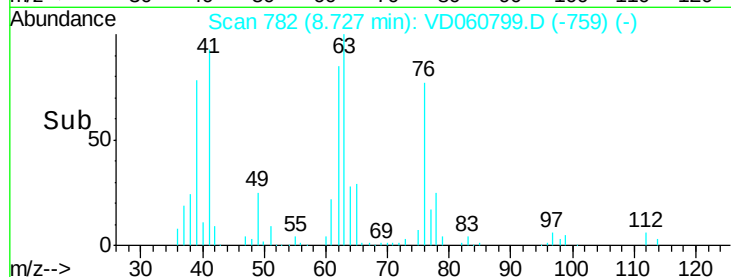
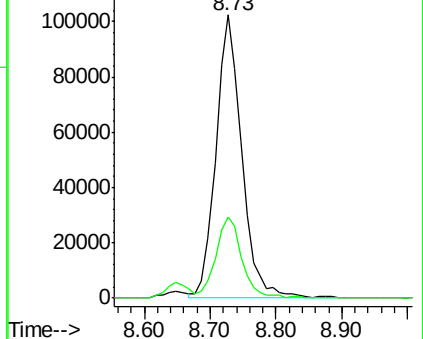
MMDadoda

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 55.045 ug/l

RT: 8.85 min Scan# 795

Delta R.T. 0.03 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

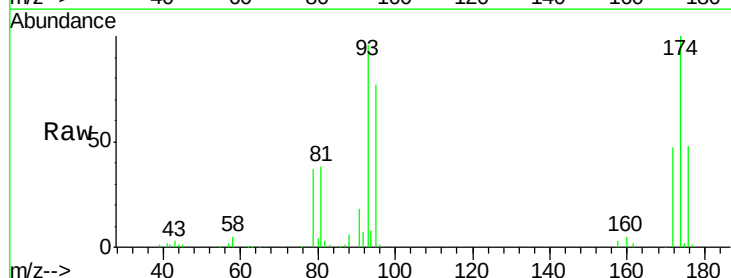
Tgt Ion: 93 Resp: 235714

Ion Ratio Lower Upper

93 100

95 80.3 65.8 98.8

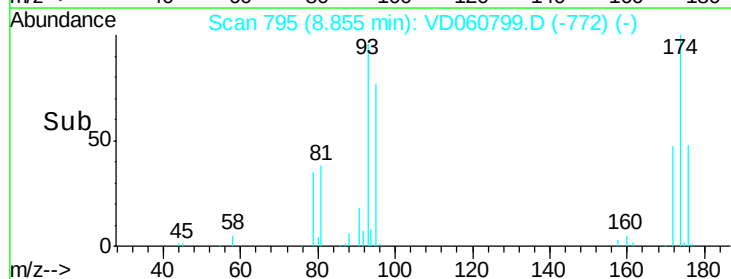
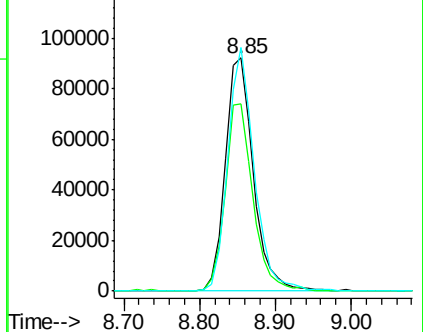
174 104.6 79.8 119.6

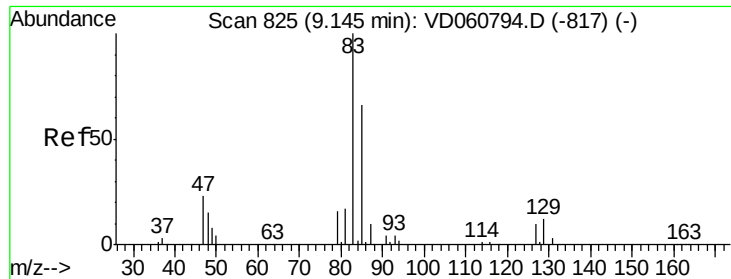


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 52.966 ug/l

RT: 9.16 min Scan# 826

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

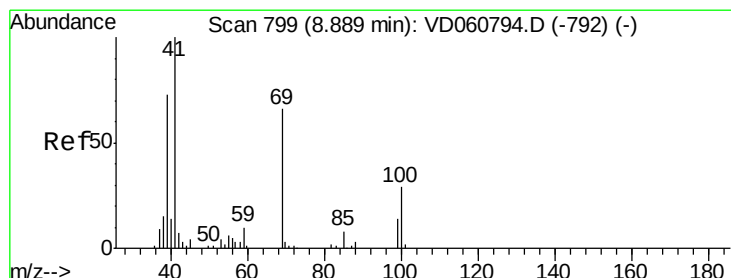
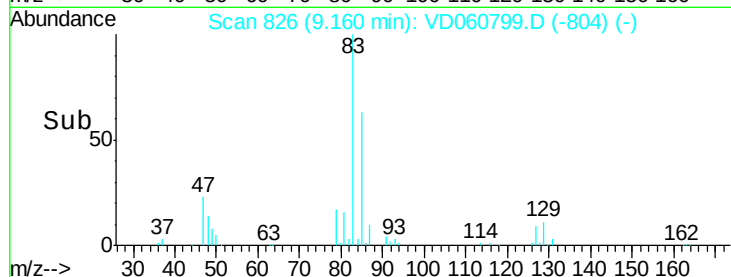
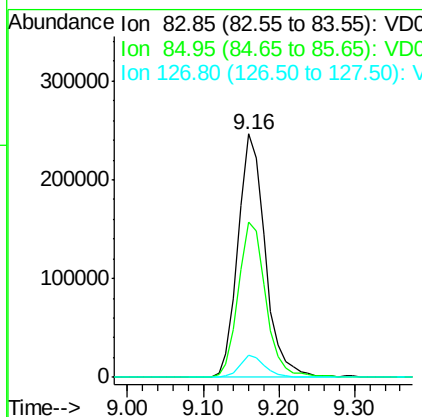
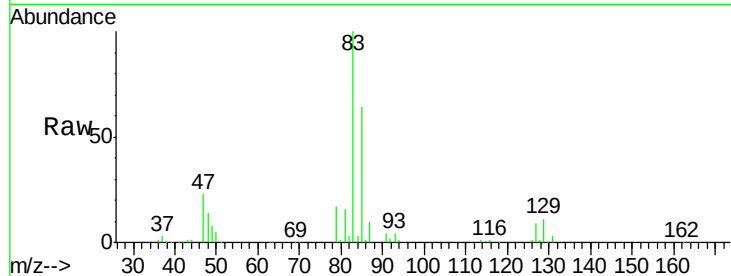
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	612206
Ion	Ratio	Lower	Upper
83	100		
85	63.7	52.6	79.0
127	9.0	7.7	11.5

Manual Integrations
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#48

Methyl methacrylate

Concen: 51.800 ug/l

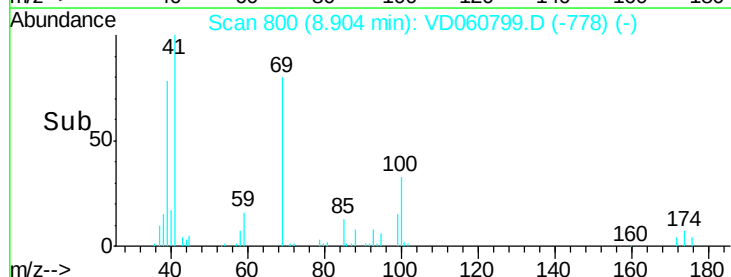
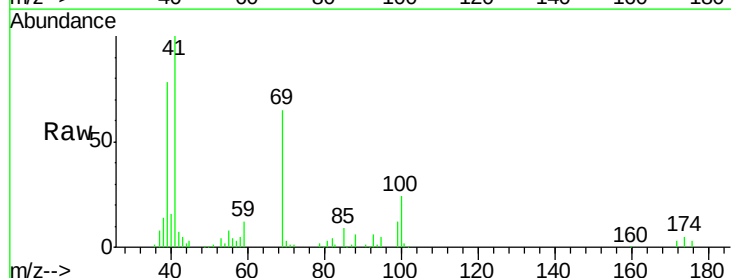
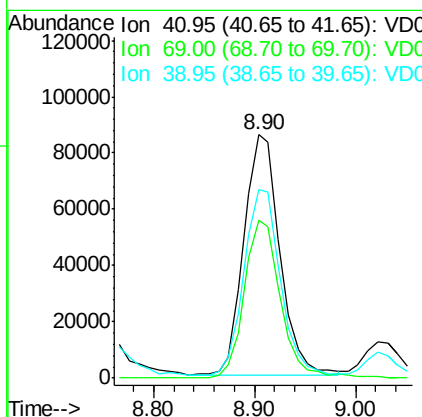
RT: 8.90 min Scan# 800

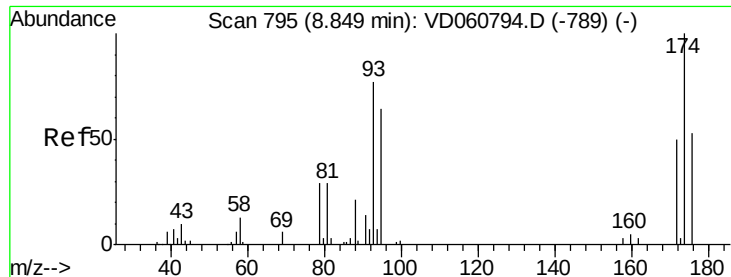
Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion:	41	Resp:	214726
Ion	Ratio	Lower	Upper
41	100		
69	64.8	52.5	78.7
39	77.5	59.0	88.6





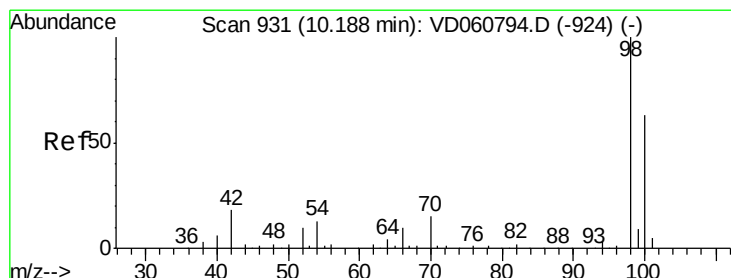
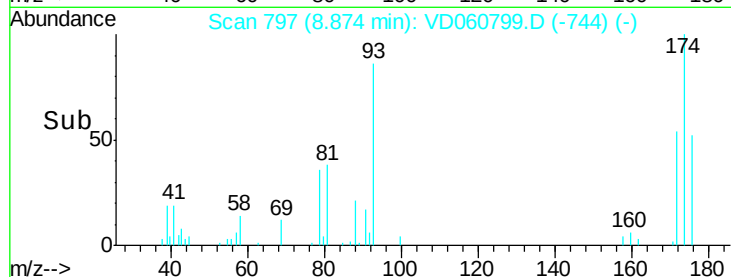
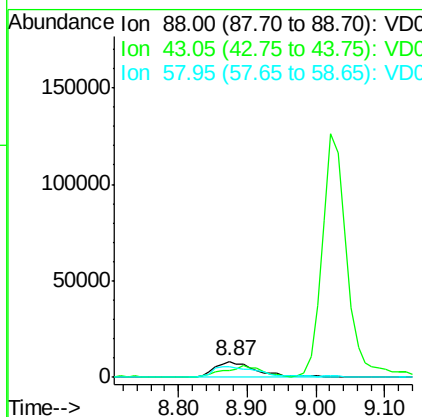
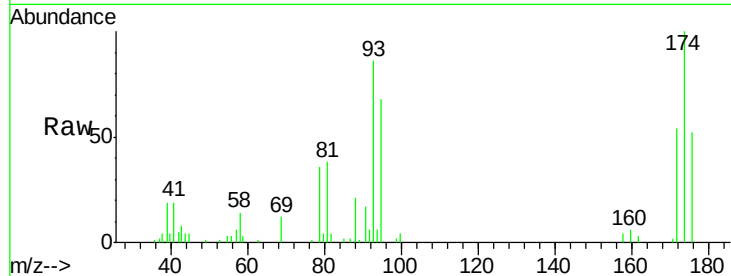
#49
1,4-Dioxane
Concen: 986.406 ug/l
RT: 8.87 min Scan# 797
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
88	100		
43	39.5	40.9	61.3#
58	66.0	52.2	78.4

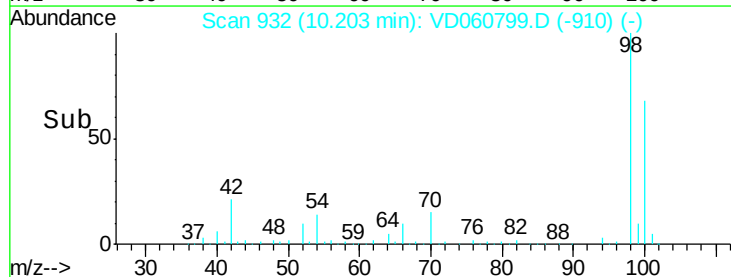
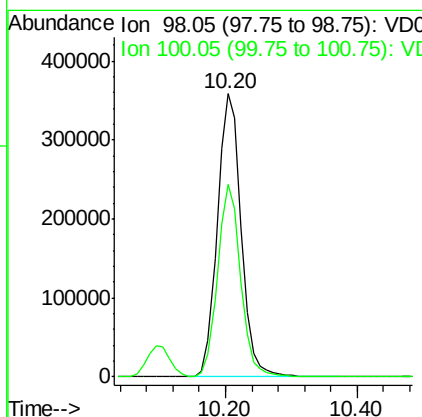
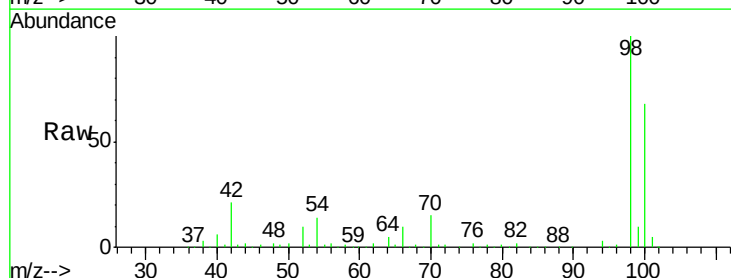
Manual Integrations
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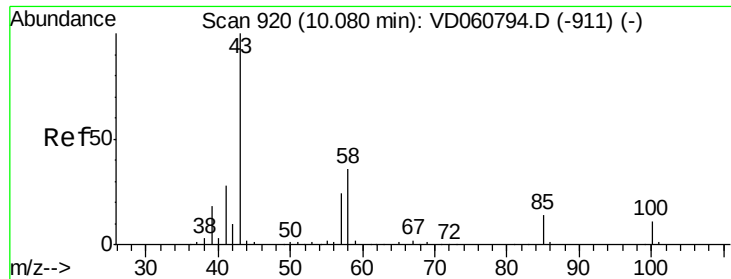
MMDadoda
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#50
Toluene-d8
Concen: 986.406 ug/l
RT: 10.20 min Scan# 932
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
98	100		
100	68.1	51.0	76.6





#51

4-Methyl-2-Pentanone

Concen: 246.195 ug/l

RT: 10.09 min Scan# 921

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 43 Resp: 958389

Ion Ratio Lower Upper

43 100

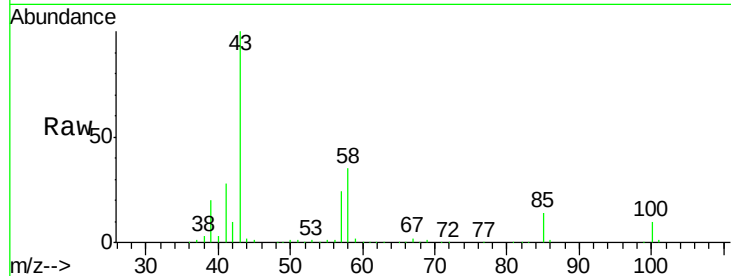
58 35.2 28.4 42.6

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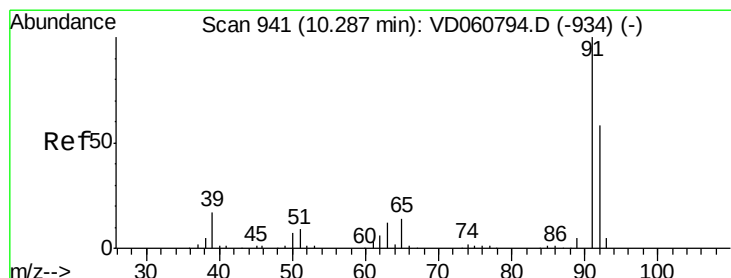
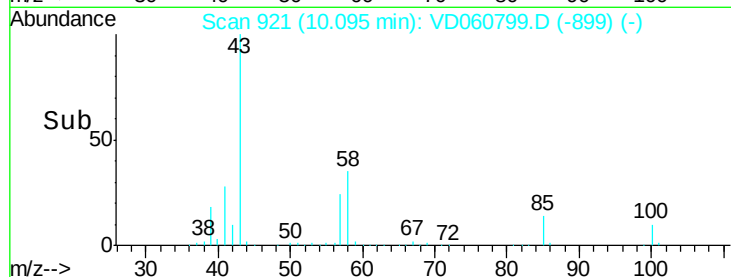
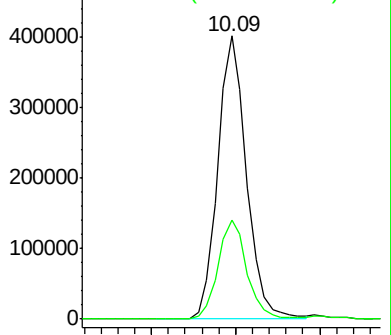
MMDadoda

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 48.962 ug/l

RT: 10.30 min Scan# 942

Delta R.T. 0.02 min

Lab File: VD060799.D

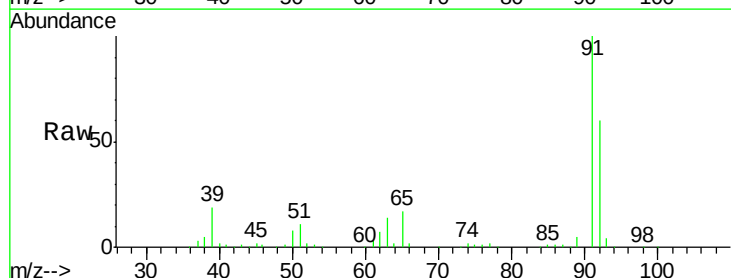
Acq: 30 Jan 2019 11:46

Tgt Ion: 92 Resp: 632881

Ion Ratio Lower Upper

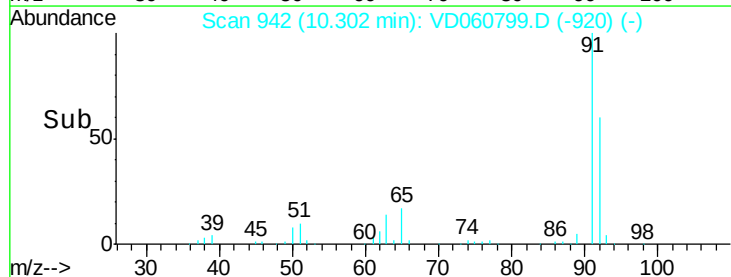
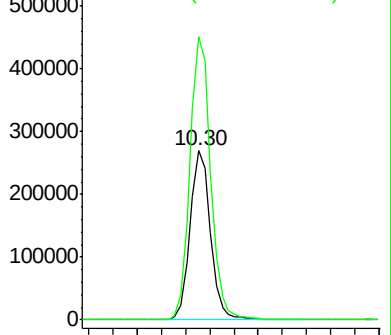
92 100

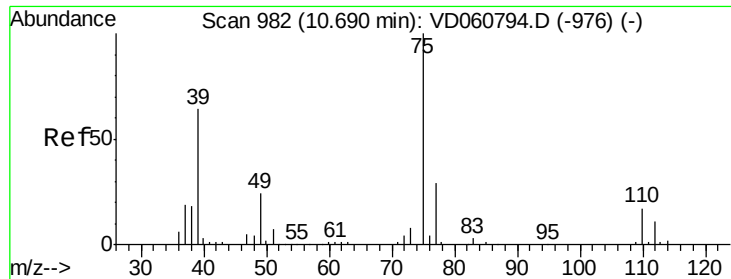
91 167.1 137.7 206.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





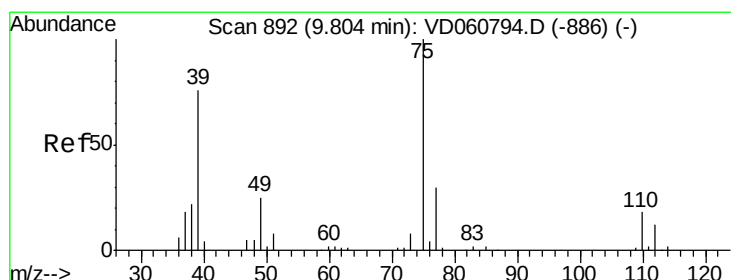
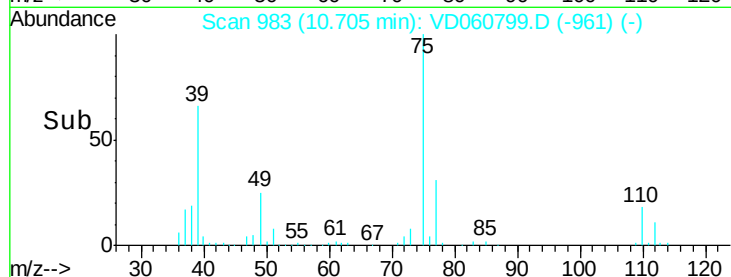
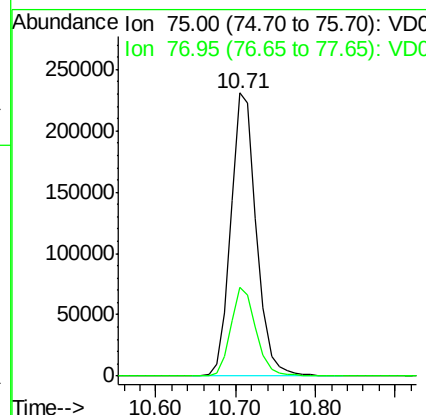
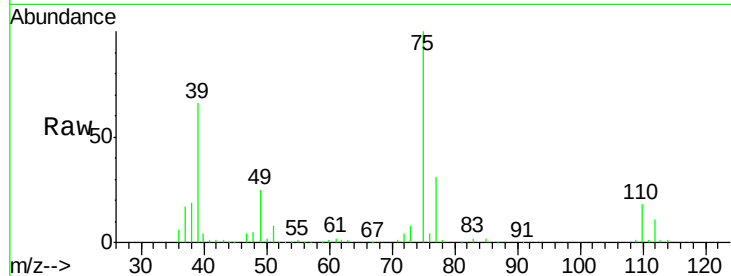
#53
t-1,3-Dichloropropene
Concen: 51.234 ug/l
RT: 10.71 min Scan# 983
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 75 Resp: 520899
Ion Ratio Lower Upper
75 100
77 31.3 23.0 34.6

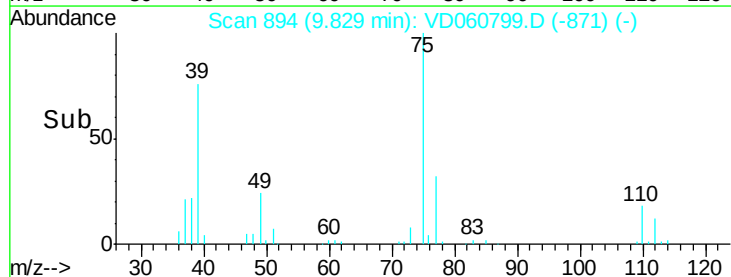
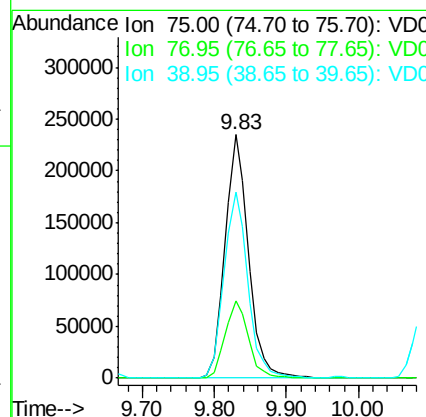
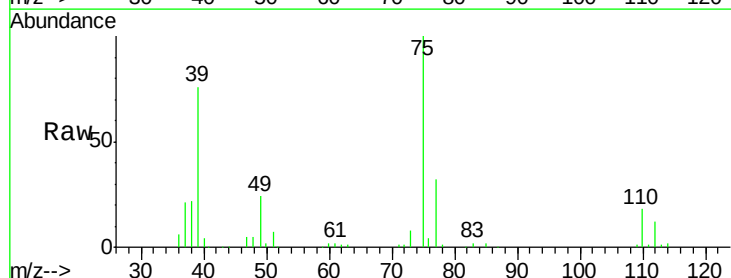
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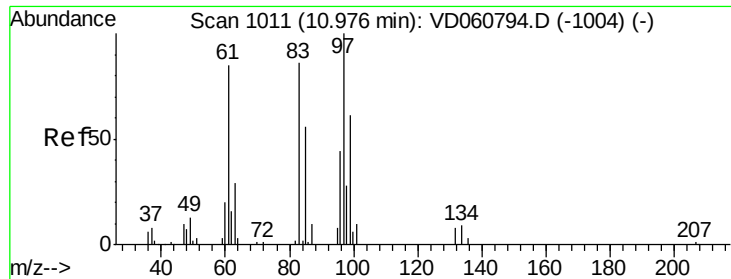
MMDadoda
2/1/2019 3:55:30 PM



#54
cis-1,3-Dichloropropene
Concen: 50.592 ug/l
RT: 9.83 min Scan# 894
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 75 Resp: 527469
Ion Ratio Lower Upper
75 100
77 31.5 23.9 35.9
39 76.4 60.4 90.6





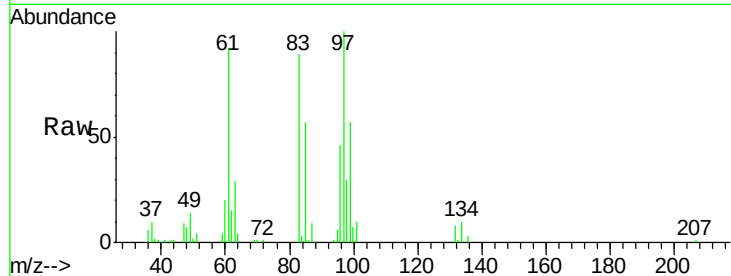
#55
 1,1,2-Trichloroethane
 Concen: 47.825 ug/l
 RT: 10.99 min Scan# 1012
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	210765
Ion	Ratio	Lower	Upper
97	100		
83	89.0	68.5	102.7
85	56.6	45.0	67.6
99	57.1	49.0	73.4

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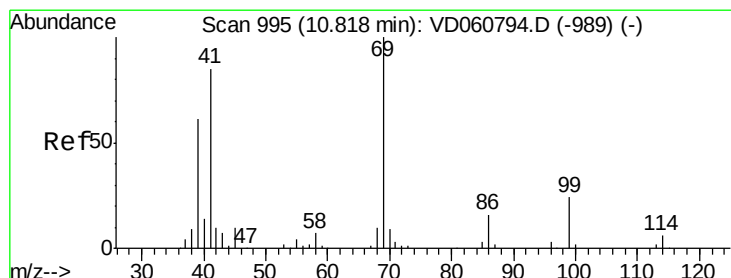
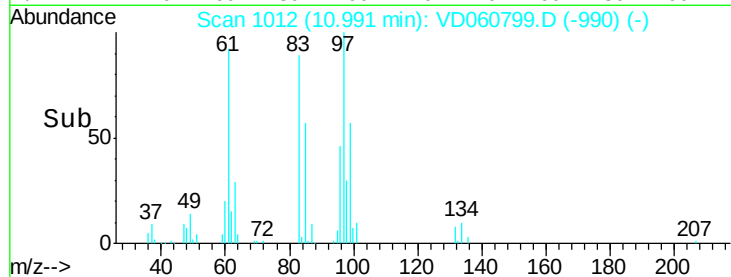
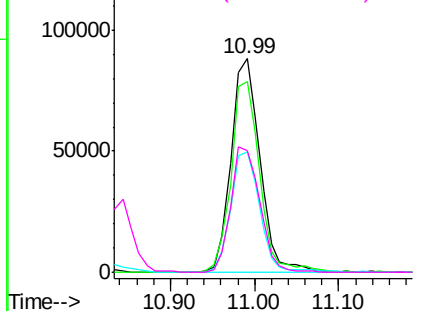


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

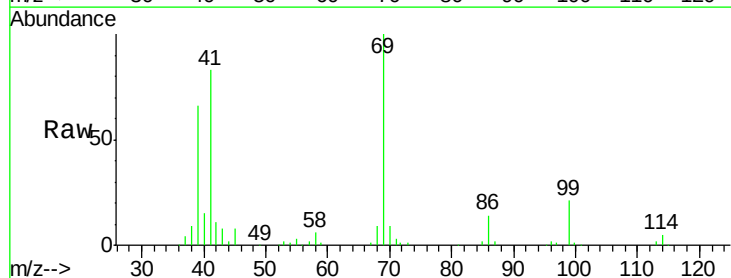
Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56
 Ethyl methacrylate
 Concen: 51.843 ug/l
 RT: 10.83 min Scan# 996
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

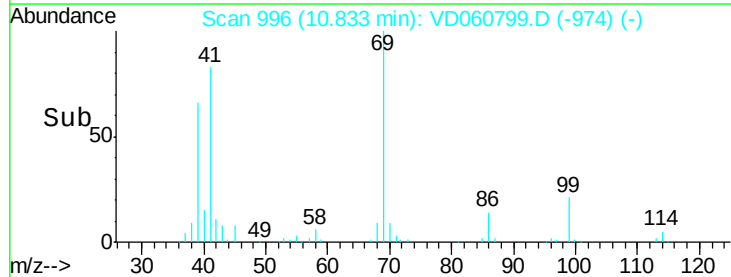
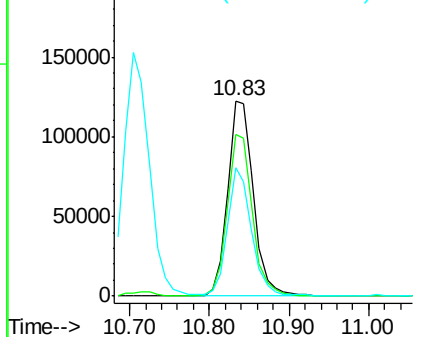
Tgt Ion:	69	Resp:	276774
Ion	Ratio	Lower	Upper
69	100		
41	82.8	68.2	102.2
39	65.7	49.4	74.0

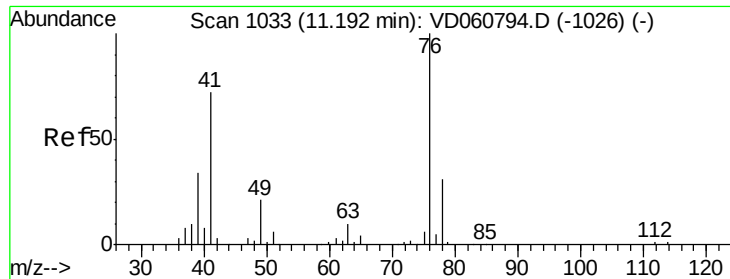


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





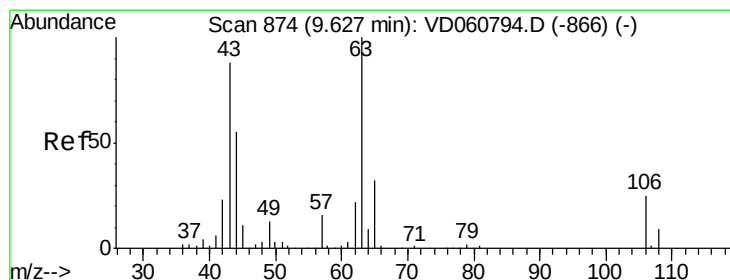
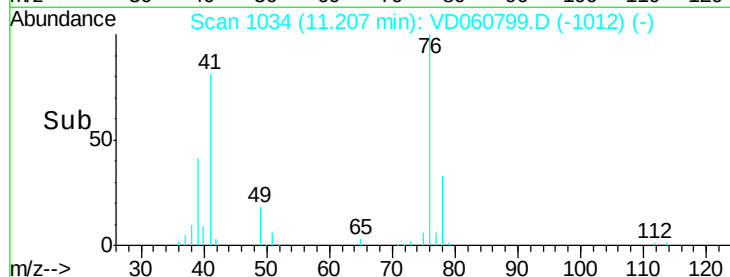
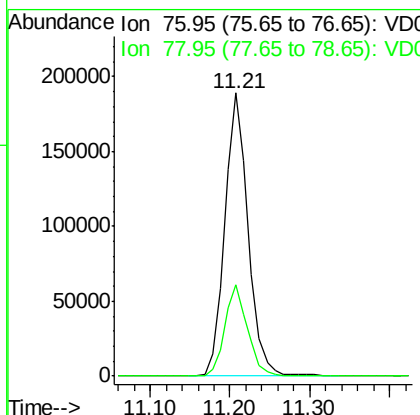
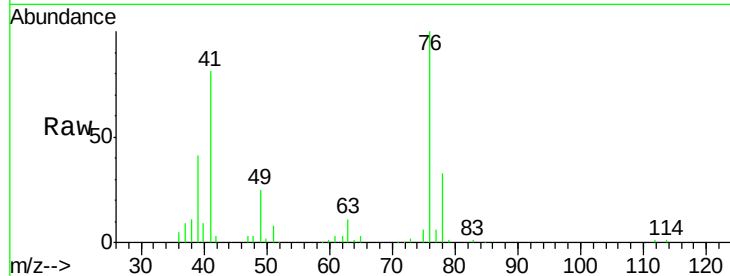
#57
 1,3-Dichloropropane
 Concen: 51.567 ug/l
 RT: 11.21 min Scan# 1034
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion: 76 Resp: 388392
 Ion Ratio Lower Upper
 76 100
 78 32.5 24.5 36.7

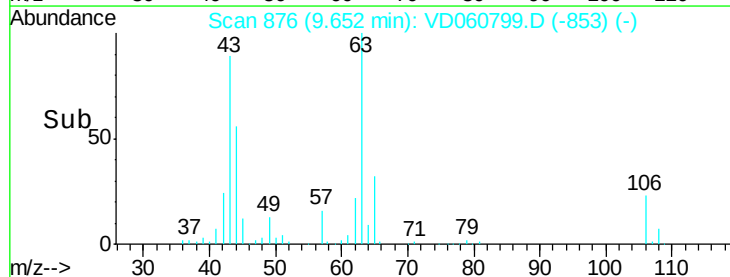
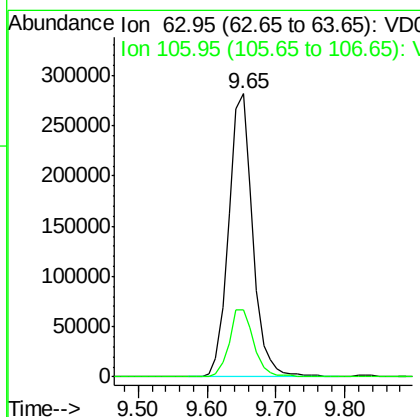
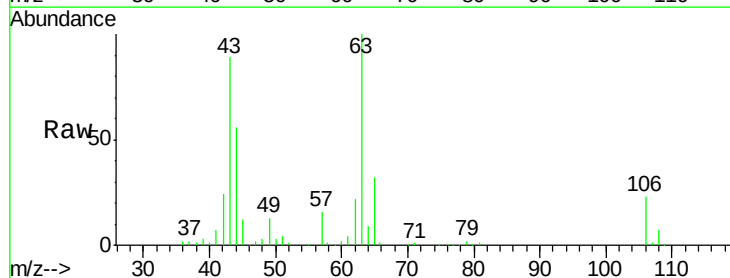
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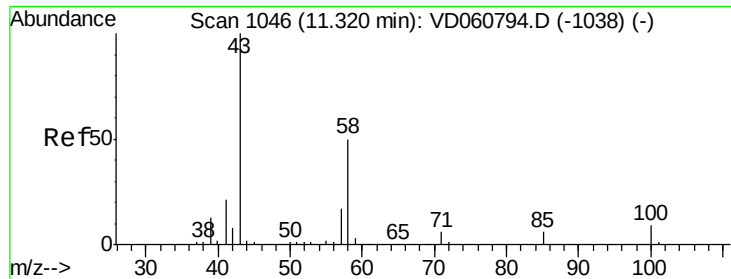
MMDadoda
 2/1/2019 3:55:30 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 242.642 ug/l
 RT: 9.65 min Scan# 876
 Delta R.T. 0.03 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion: 63 Resp: 679680
 Ion Ratio Lower Upper
 63 100
 106 23.5 19.9 29.9





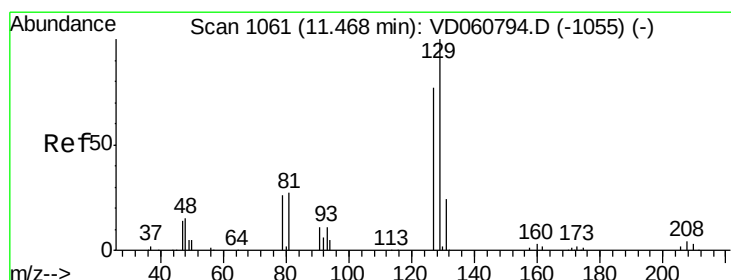
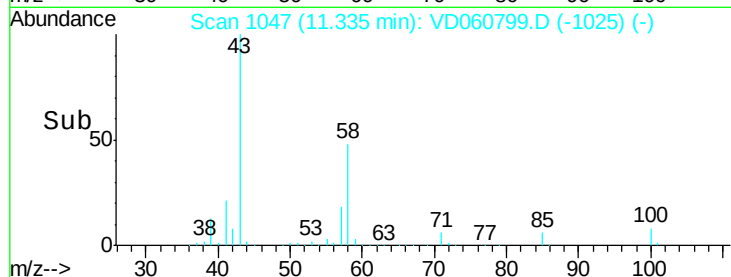
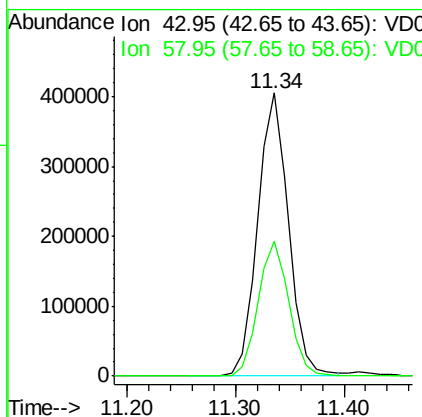
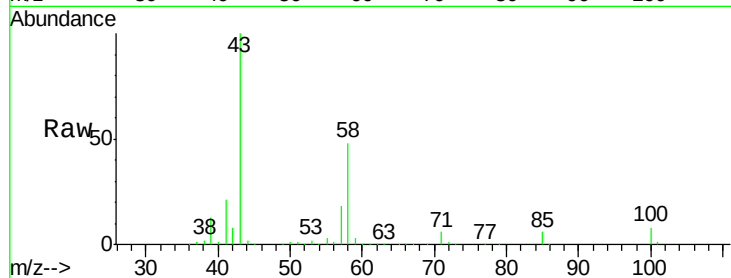
#59
2-Hexanone
Concen: 272.029 ug/l
RT: 11.34 min Scan# 1047
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 796230
Ion Ratio Lower Upper
43 100
58 47.6 25.0 75.0

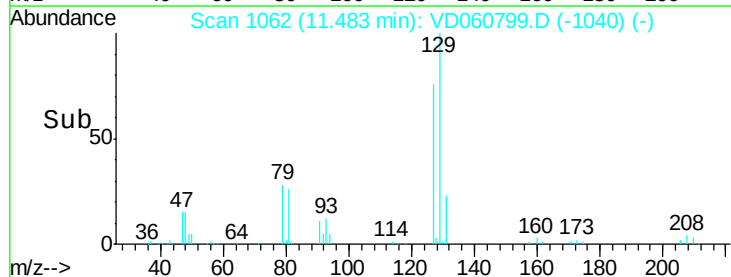
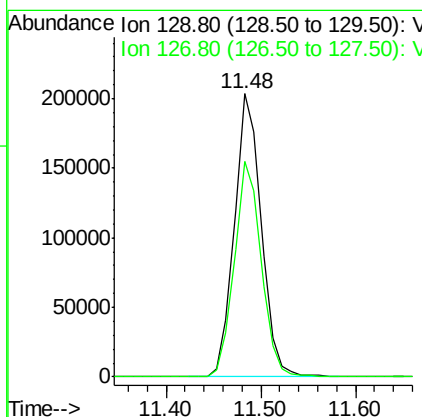
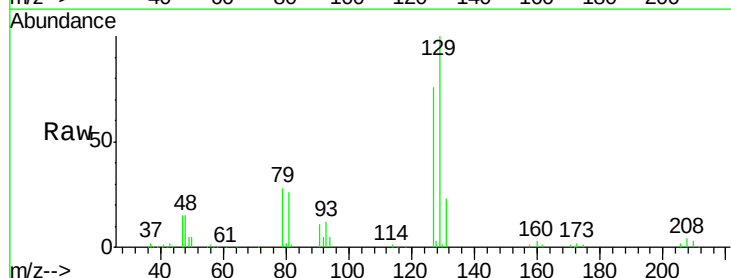
Manual Integrations
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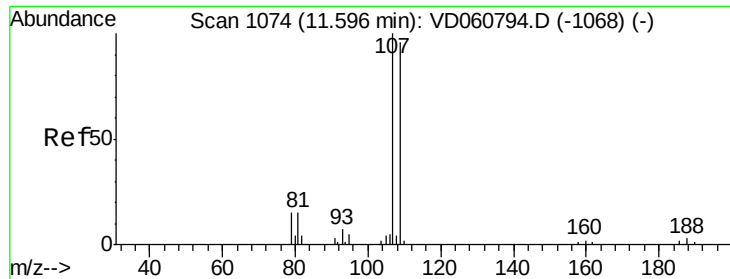
MMDadoda
2/1/2019 3:55:30 PM



#60
Dibromochloromethane
Concen: 50.451 ug/l
RT: 11.48 min Scan# 1062
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 129 Resp: 399716
Ion Ratio Lower Upper
129 100
127 76.1 38.6 115.7





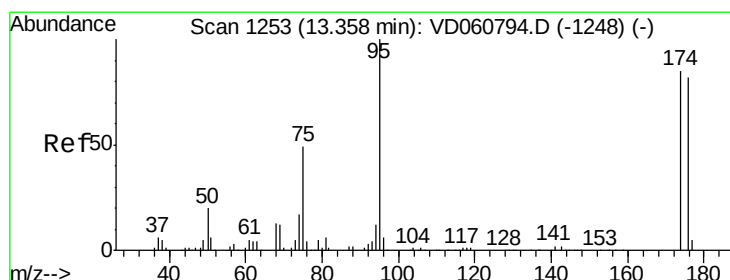
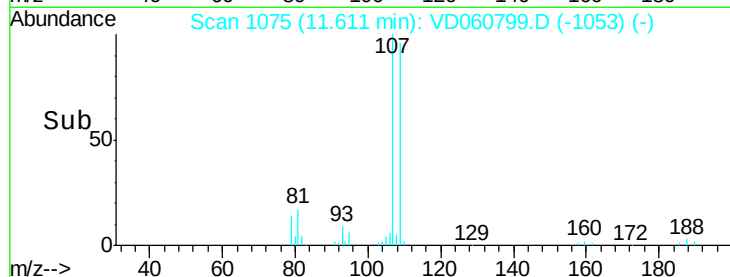
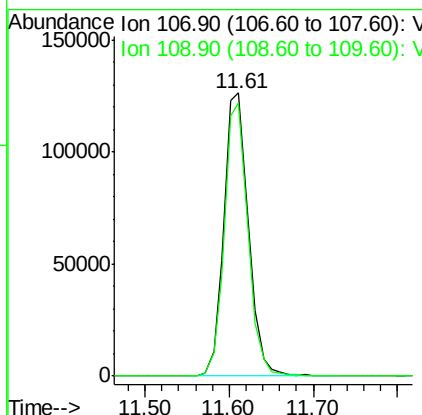
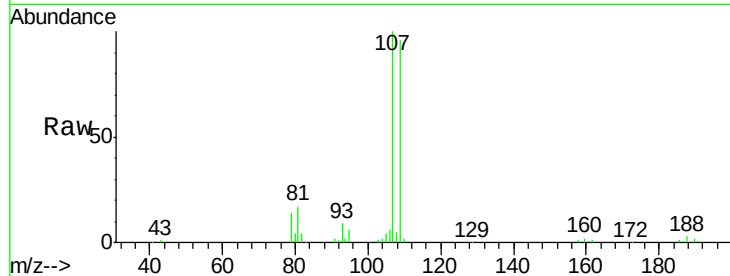
#61
 1,2-Dibromoethane
 Concen: 49.096 ug/l
 RT: 11.61 min Scan# 1075
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:107 Resp: 254814
 Ion Ratio Lower Upper
 107 100
 109 96.3 76.6 114.8

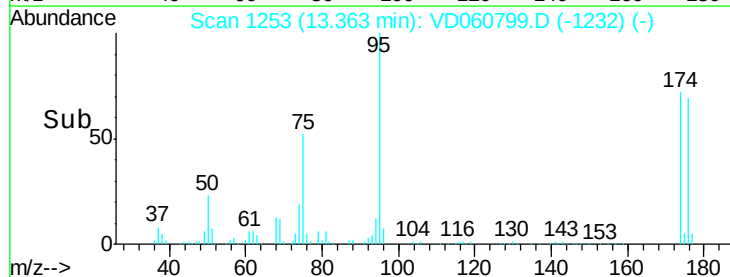
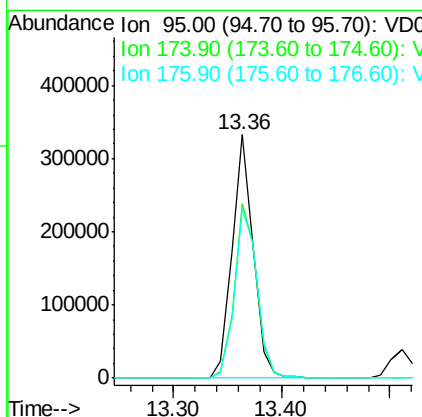
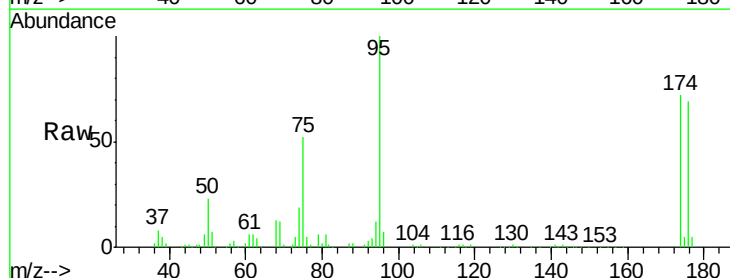
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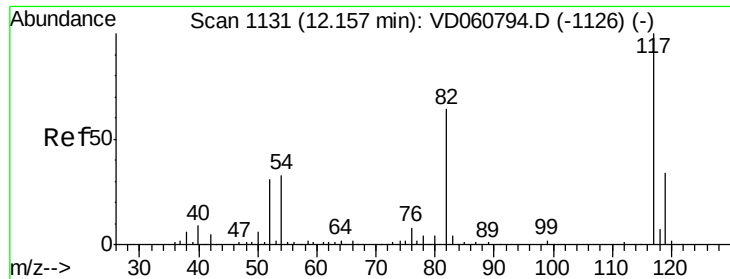
MMDadoda
 2/1/2019 3:55:30 PM



#62
 4-Bromofluorobenzene
 Concen: 49.096 ug/l
 RT: 13.36 min Scan# 1253
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion: 95 Resp: 453654
 Ion Ratio Lower Upper
 95 100
 174 71.6 0.0 169.6
 176 69.4 0.0 163.8





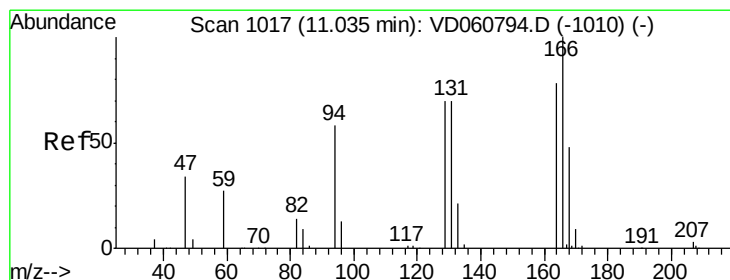
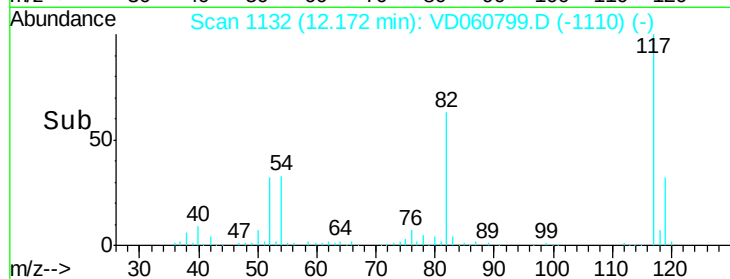
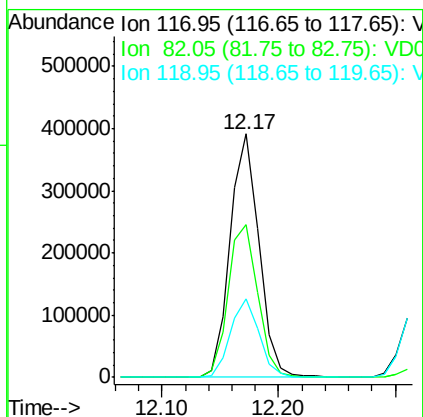
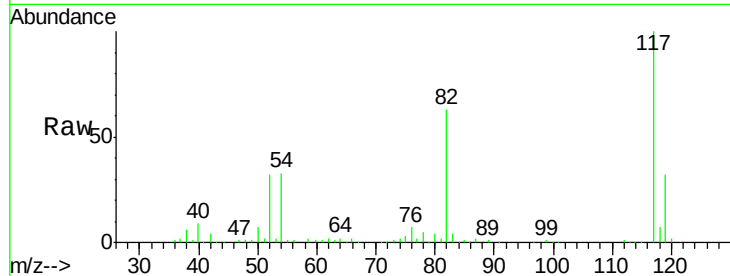
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.17 min Scan# 1132
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	Ratio	Lower	Upper
117	100		
82	62.7	51.5	77.3
119	32.5	27.1	40.7

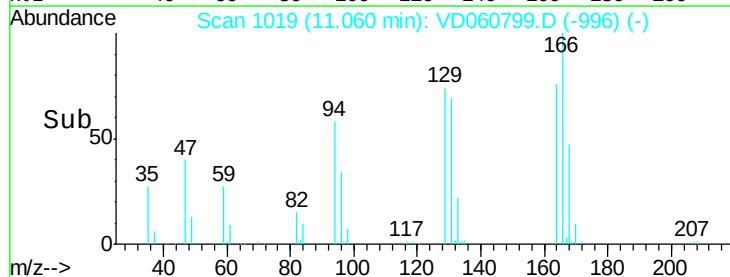
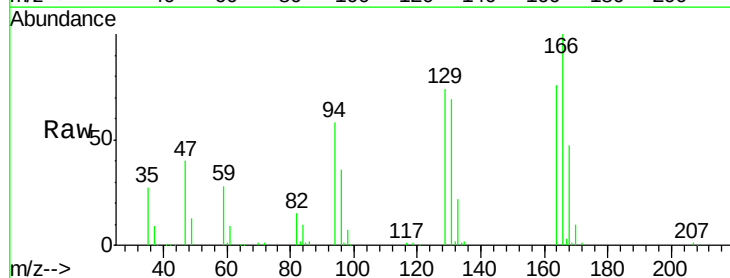
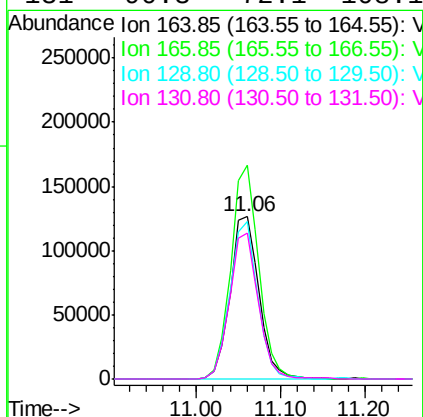
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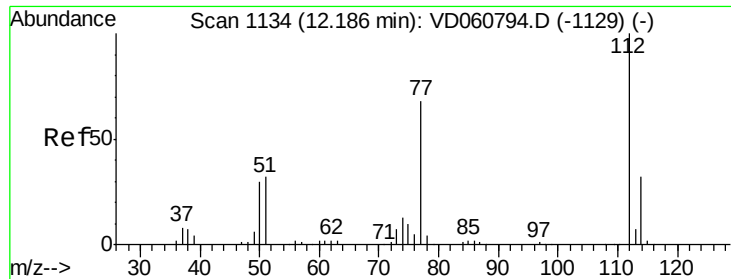
MMDadoda
2/1/2019 3:55:30 PM



#64
Tetrachloroethene
Concen: 48.886 ug/l
RT: 11.06 min Scan# 1019
Delta R.T. 0.03 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
164	100		
166	131.6	102.6	154.0
129	97.2	72.3	108.5
131	90.3	72.1	108.1





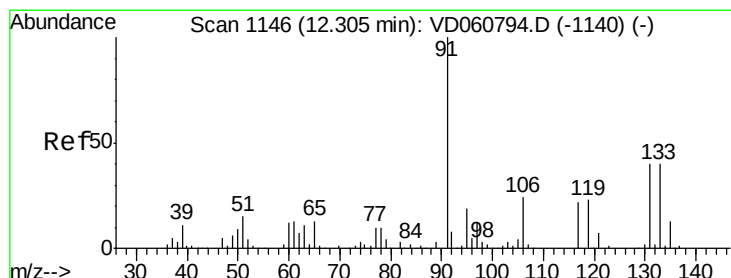
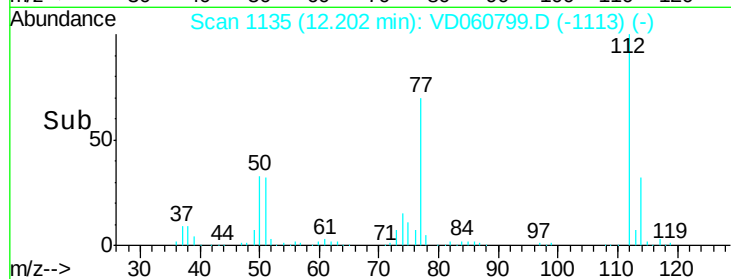
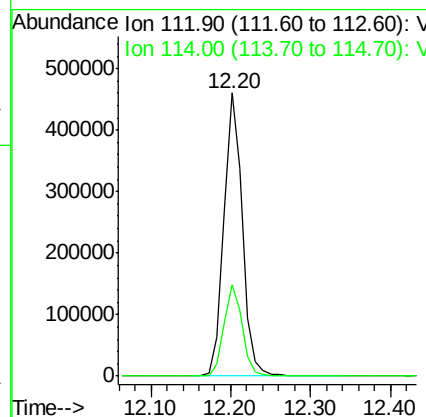
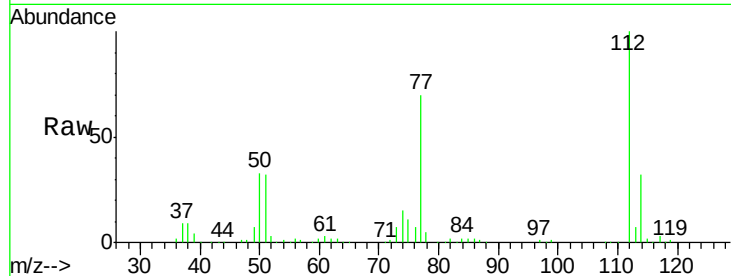
#65
Chlorobenzene
Concen: 49.215 ug/l
RT: 12.20 min Scan# 1135
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:112 Resp: 756837
Ion Ratio Lower Upper
112 100
114 32.2 25.2 37.8

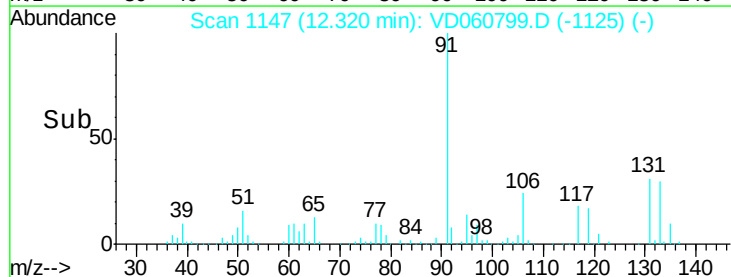
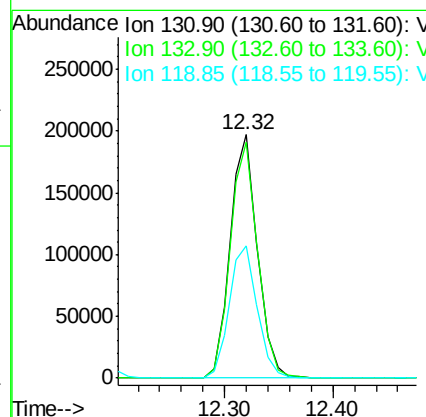
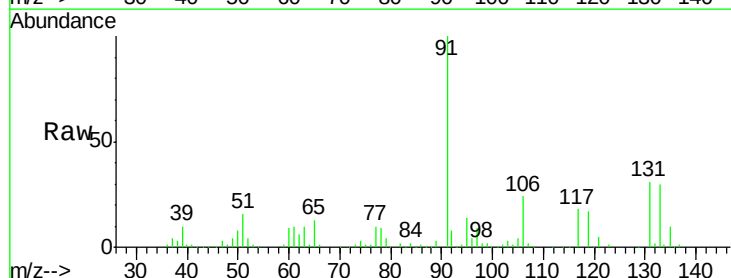
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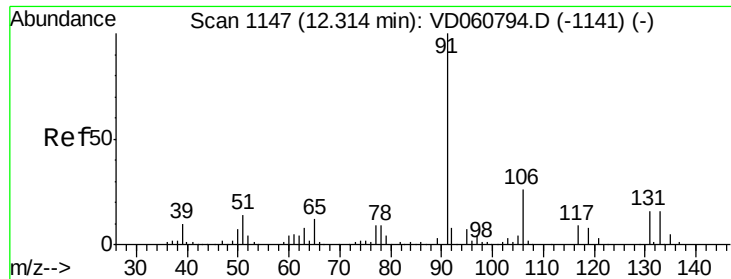
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#66
1,1,1,2-Tetrachloroethane
Concen: 52.137 ug/l
RT: 12.32 min Scan# 1147
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion:131 Resp: 344468
Ion Ratio Lower Upper
131 100
133 96.7 49.9 149.7
119 54.2 28.5 85.5





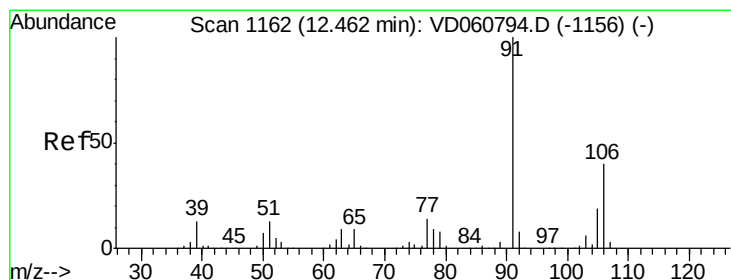
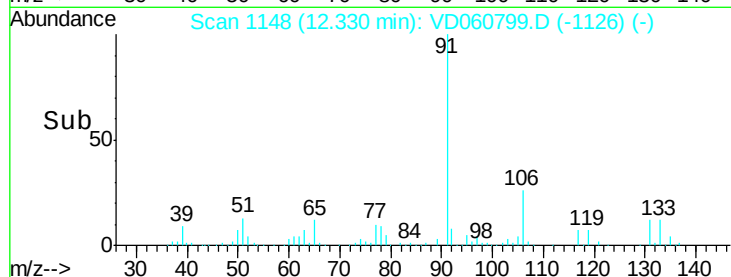
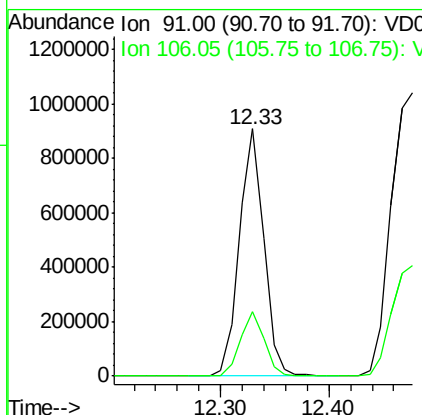
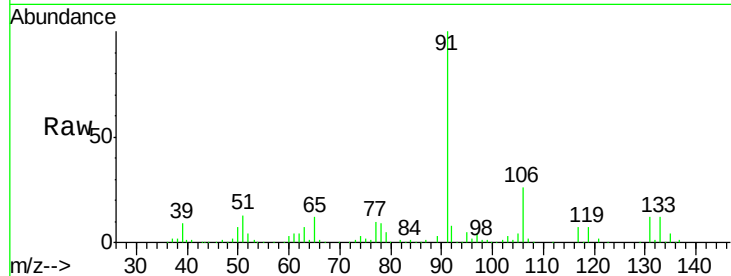
#67
Ethyl Benzene
Concen: 51.765 ug/l
RT: 12.33 min Scan# 1148
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 91 Resp: 1431461
Ion Ratio Lower Upper
91 100
106 26.3 21.0 31.6

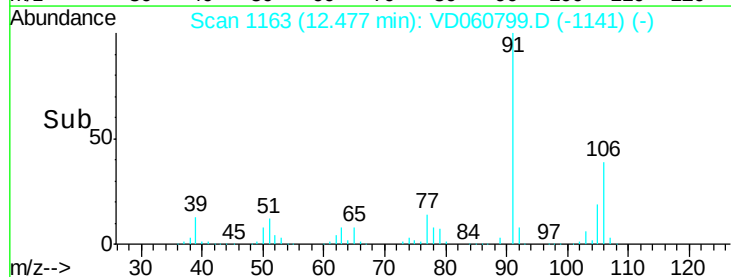
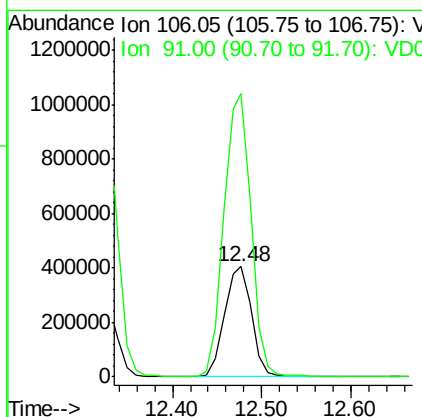
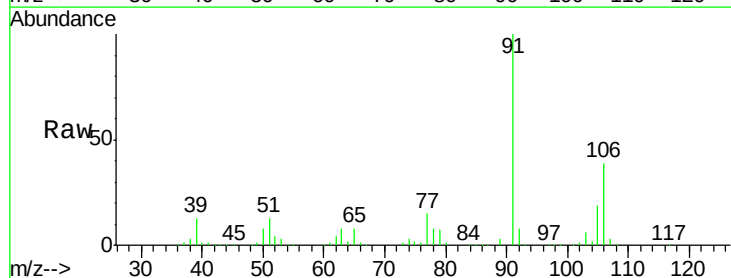
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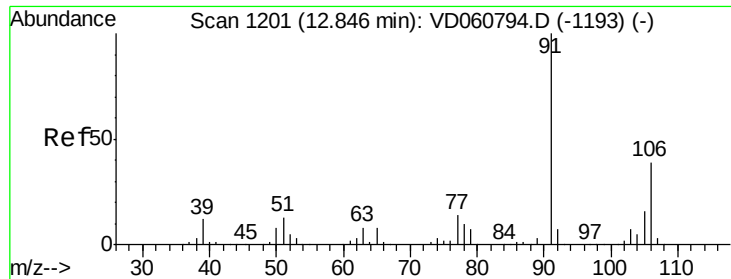
MMDadoda
2/1/2019 3:55:30 PM



#68
m/p-Xylenes
Concen: 96.624 ug/l
RT: 12.48 min Scan# 1163
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion: 106 Resp: 869301
Ion Ratio Lower Upper
106 100
91 256.4 200.5 300.7





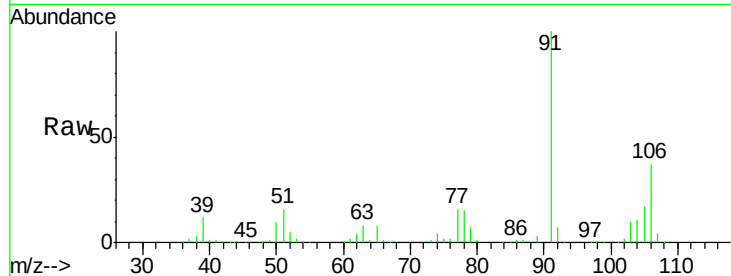
#69
o-Xylene
Concen: 48.830 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

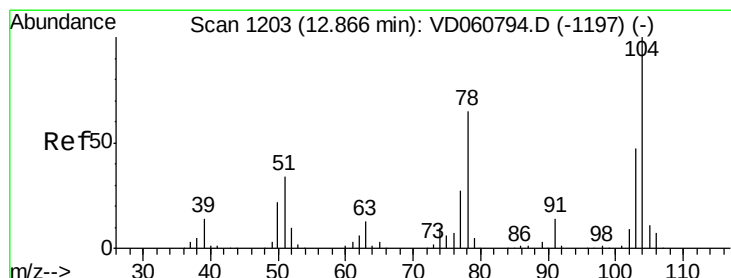
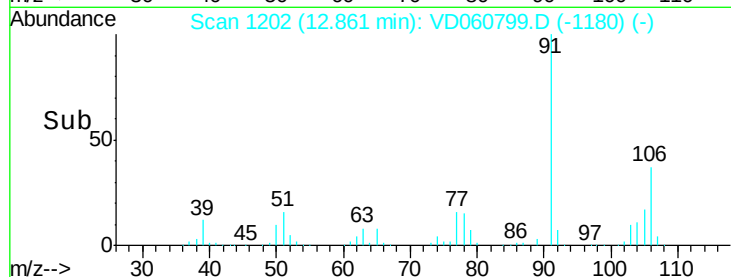
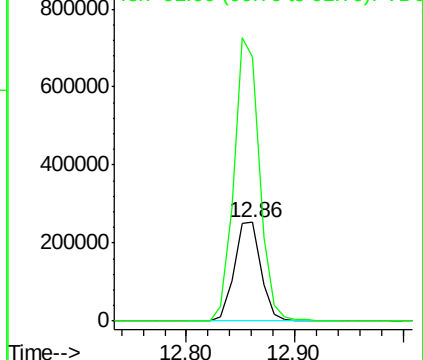
Tot Ion:106 Resp: 434804
Ion Ratio Lower Upper
106 100
91 267.3 127.6 382.7

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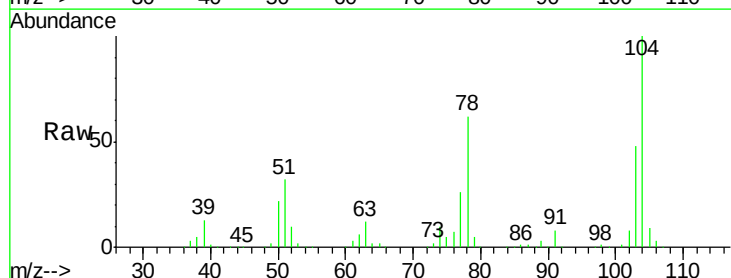


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

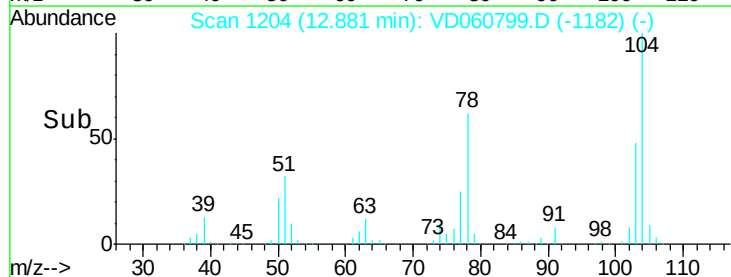
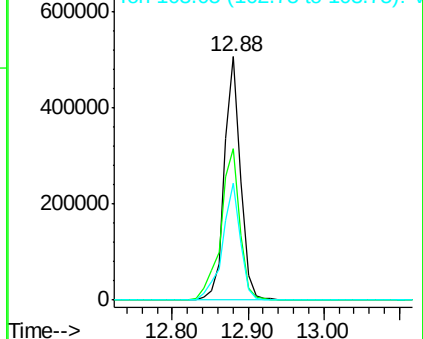


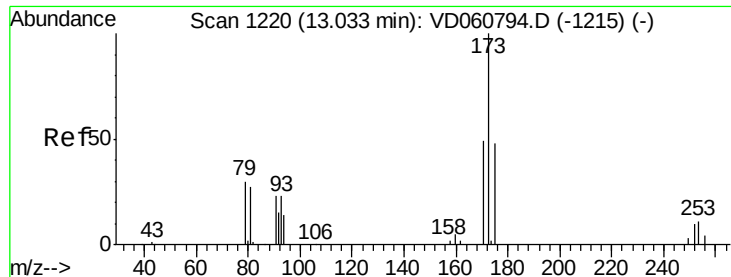
#70
Styrene
Concen: 49.714 ug/l
RT: 12.88 min Scan# 1204
Delta R.T. 0.02 min
Lab File: VD060799.D
Acq: 30 Jan 2019 11:46

Tgt Ion:104 Resp: 742328
Ion Ratio Lower Upper
104 100
78 62.4 52.0 78.0
103 47.8 37.7 56.5



Abundance Ion 104.05 (103.75 to 104.75): V
Ion 77.95 (77.65 to 78.65): V
Ion 103.05 (102.75 to 103.75): V





#71

Bromoform

Concen: 50.447 ug/l

RT: 13.04 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

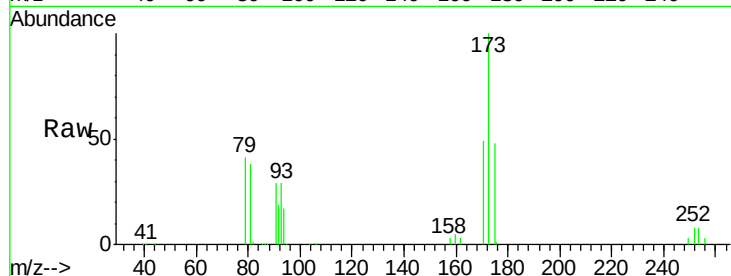
ClientSampleId :

VSTDCCC050

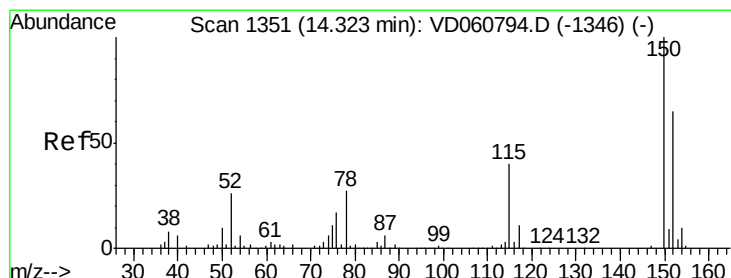
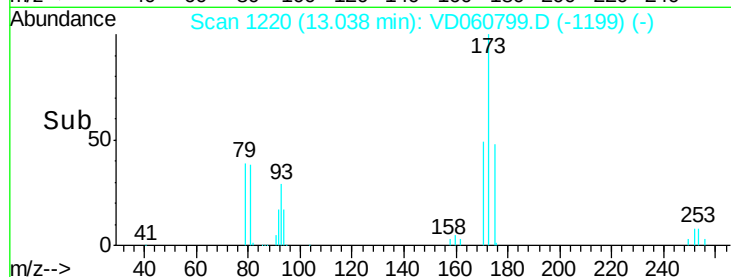
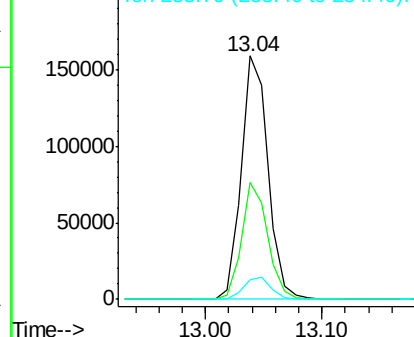
Tot Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.1	72.4
254	8.1	9.1	13.7#

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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

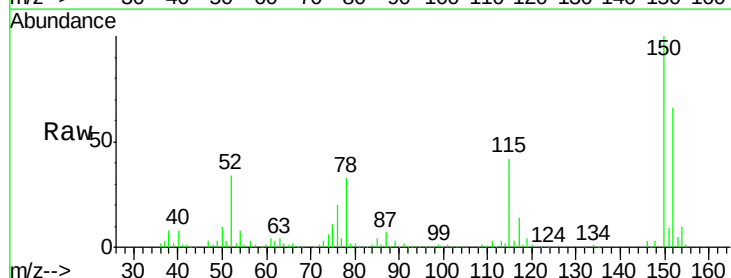
RT: 14.33 min Scan# 1351

Delta R.T. 0.01 min

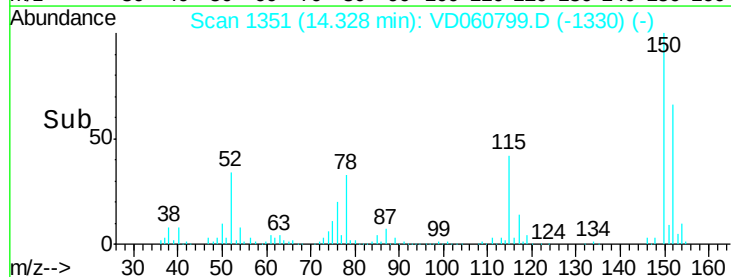
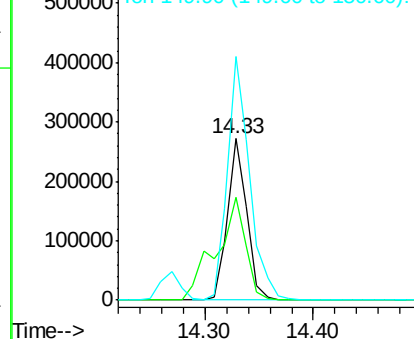
Lab File: VD060799.D

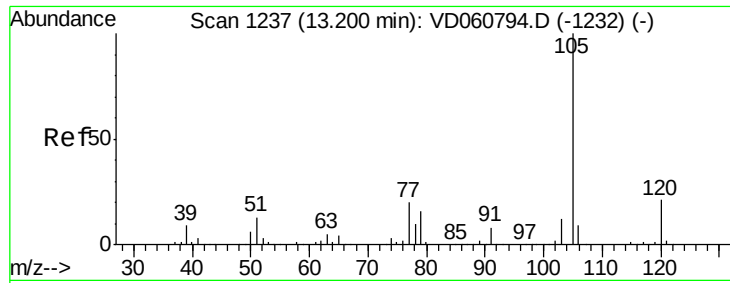
Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
152	100		
115	64.1	31.6	95.0
150	151.1	0.0	317.6



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: 50.348 ug/l

RT: 13.22 min Scan# 1238

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tot Ion: 105 Resp: 1341071

Ion Ratio Lower Upper

105 100

120 20.9 10.7 32.1

Instrument :

MSVOA_D

ClientSampleId :

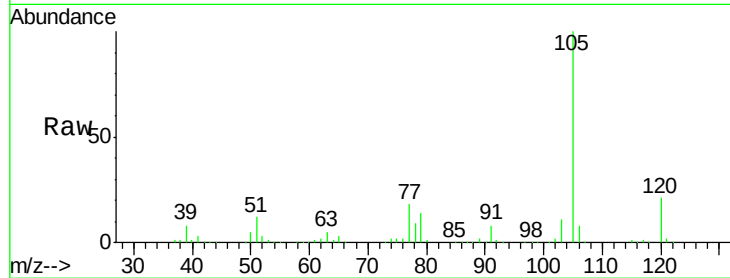
VSTDCCC050

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Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

13.22

800000

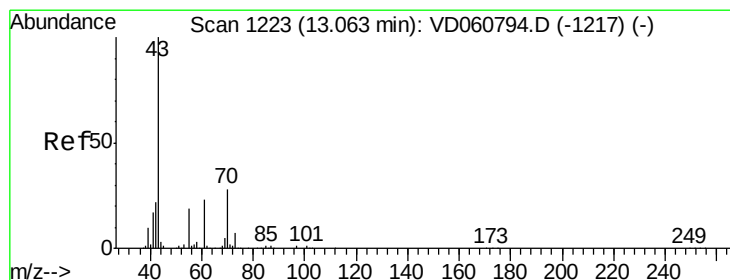
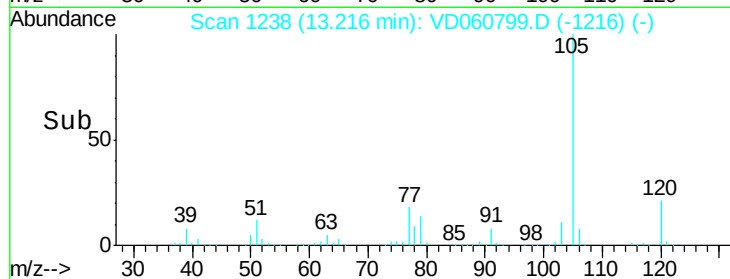
600000

400000

200000

0

Time--> 13.10 13.20 13.30



#74

N-ethyl acetate

Concen: 51.531 ug/l

RT: 13.08 min Scan# 1224

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion: 43 Resp: 421967

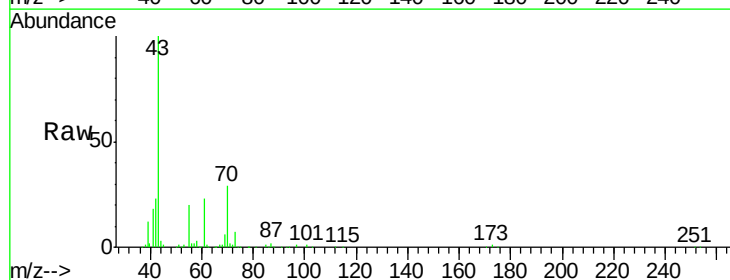
Ion Ratio Lower Upper

43 100

70 29.2 22.2 33.4

55 20.4 15.5 23.3

61 23.3 18.4 27.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC

400000

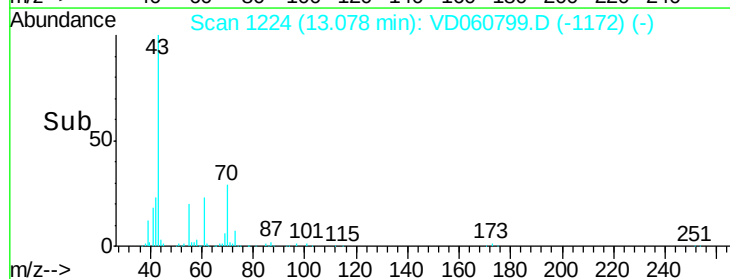
300000

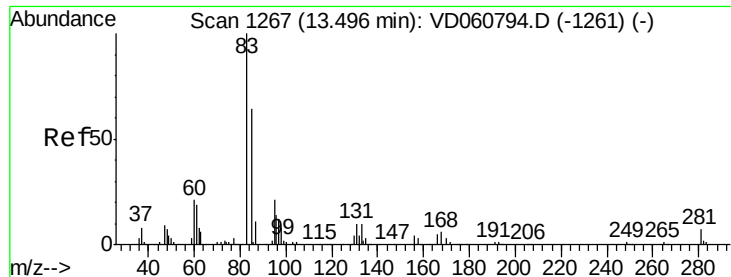
200000

100000

0

Time--> 13.00 13.10 13.20





#75

1,1,2,2-Tetrachloroethane

Concen: 51.228 ug/l

RT: 13.51 min Scan# 1268

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

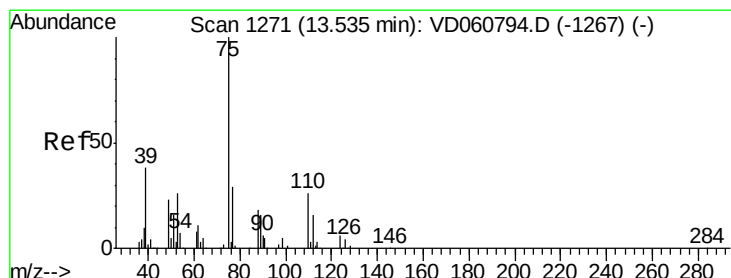
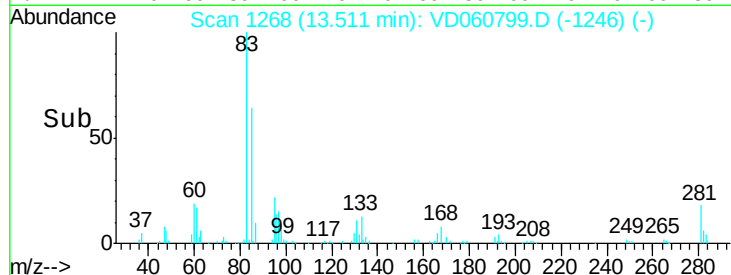
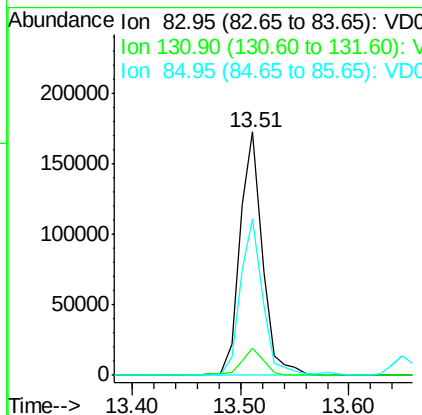
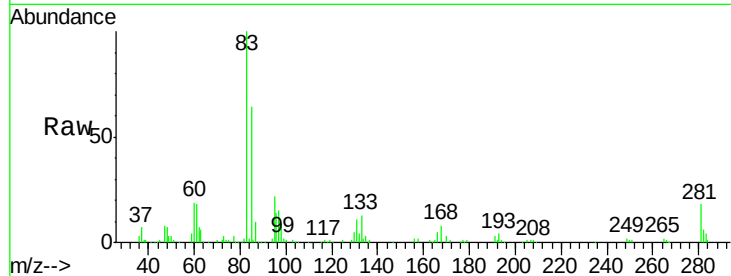
ClientSampleId :

VSTDCCC050

Tot Ion:	83	Resp:	248449
Ion Ratio	Lower	Upper	
83	100		
131	11.3	5.0	15.0
85	64.3	31.8	95.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 48.712 ug/l

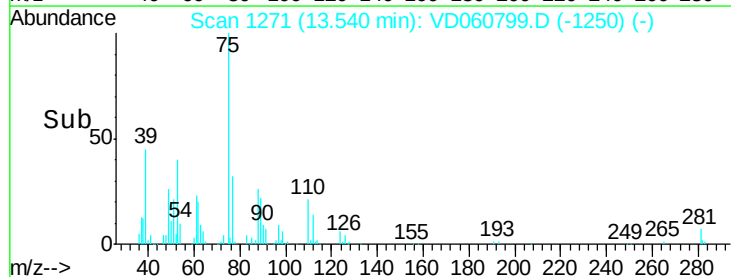
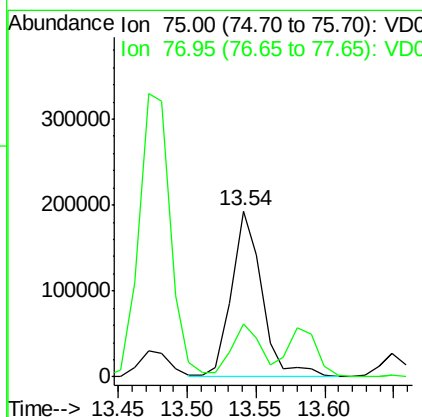
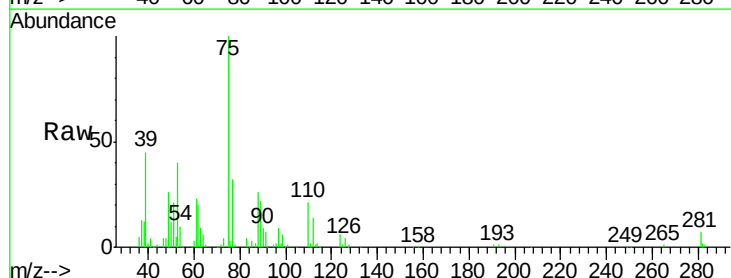
RT: 13.54 min Scan# 1271

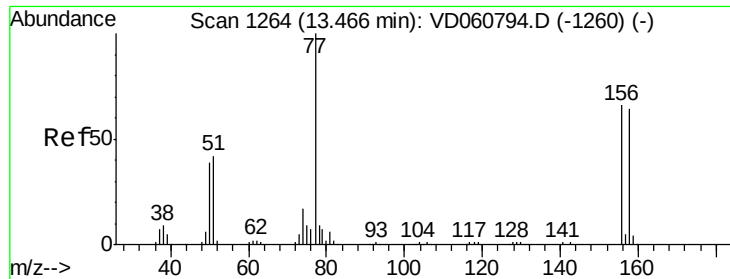
Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion:	75	Resp:	298412
Ion Ratio	Lower	Upper	
75	100		
77	32.0	15.9	47.7





#77

Bromobenzene

Concen: 47.938 ug/l

RT: 13.48 min Scan# 1265

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion:156 Resp: 328228

Ion Ratio Lower Upper

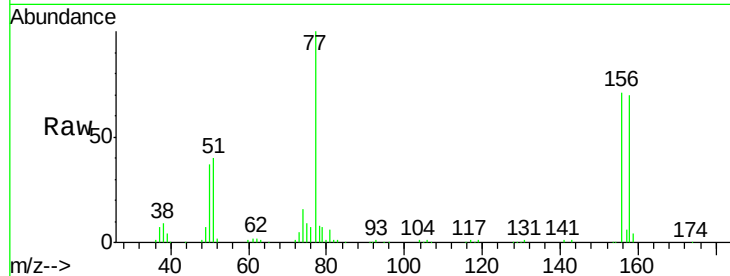
156 100

77 141.7 76.0 228.0

158 98.8 48.4 145.0

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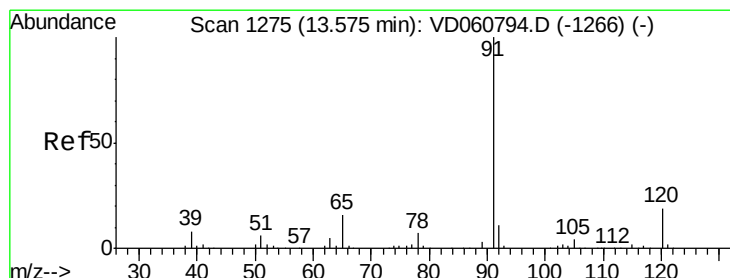
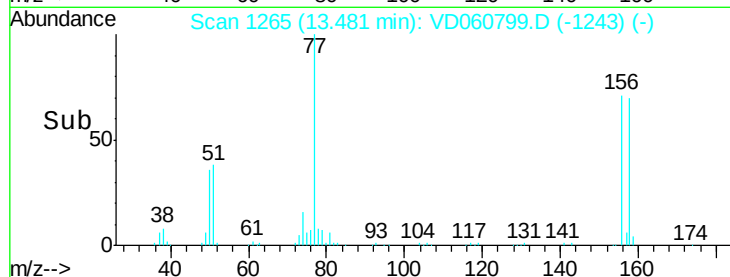
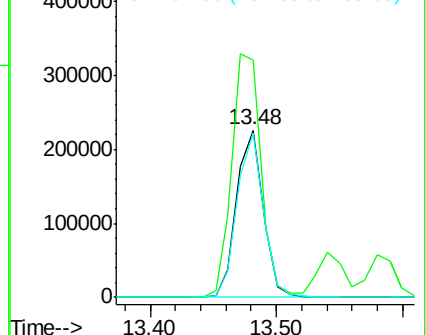
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 52.866 ug/l

RT: 13.58 min Scan# 1275

Delta R.T. 0.01 min

Lab File: VD060799.D

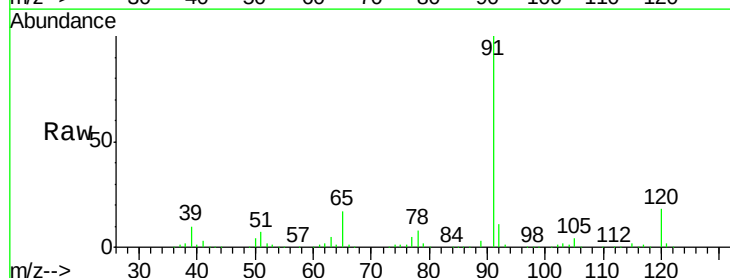
Acq: 30 Jan 2019 11:46

Tgt Ion: 91 Resp: 1767713

Ion Ratio Lower Upper

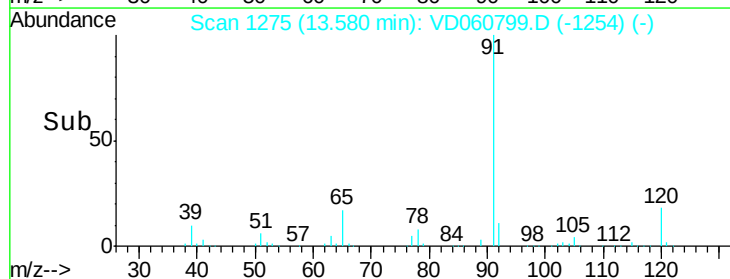
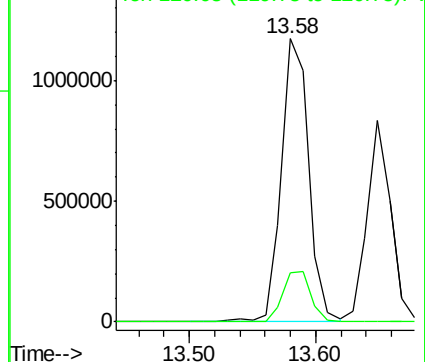
91 100

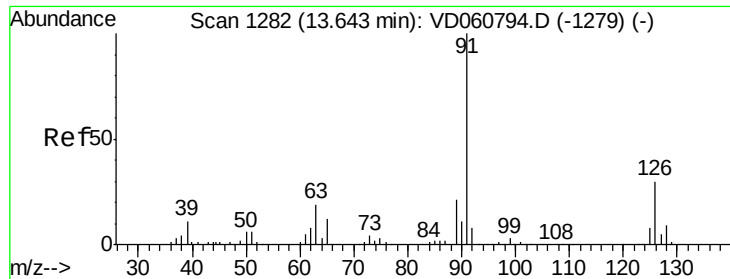
120 17.6 9.7 28.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 53.065 ug/l

RT: 13.65 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1082244

Ion Ratio Lower Upper

91 100

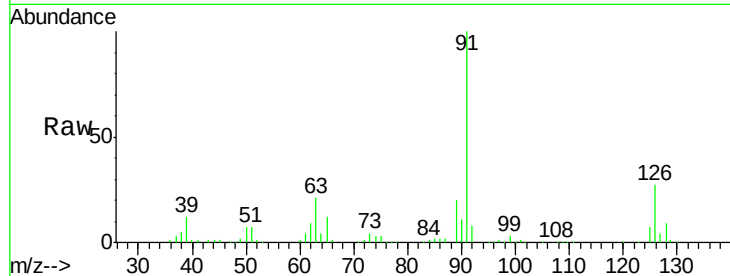
126 26.8 14.7 44.1

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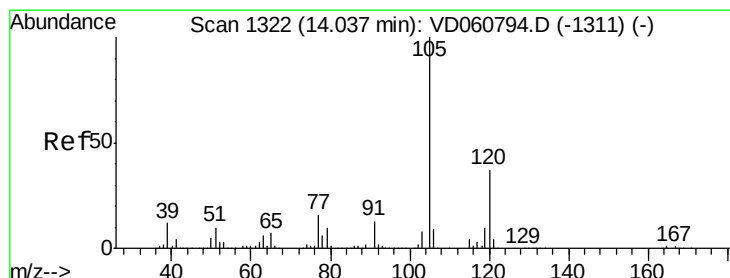
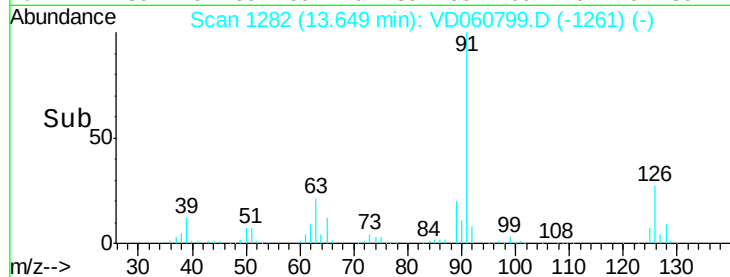
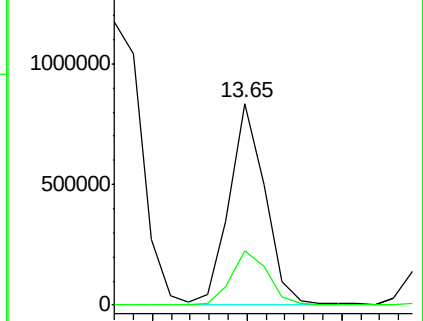
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 52.851 ug/l

RT: 14.05 min Scan# 1323

Delta R.T. 0.02 min

Lab File: VD060799.D

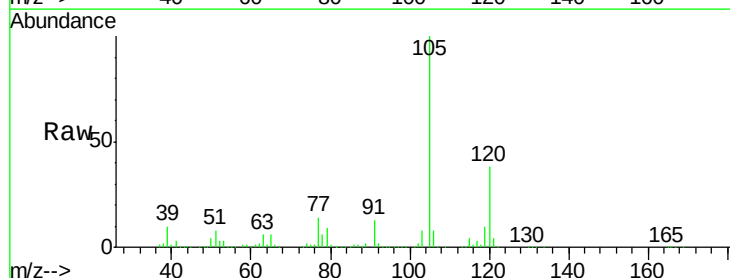
Acq: 30 Jan 2019 11:46

Tgt Ion:105 Resp: 1211899

Ion Ratio Lower Upper

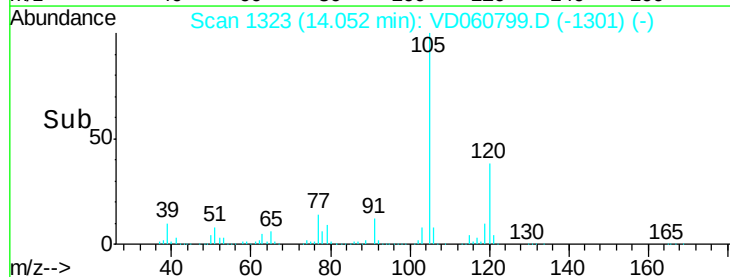
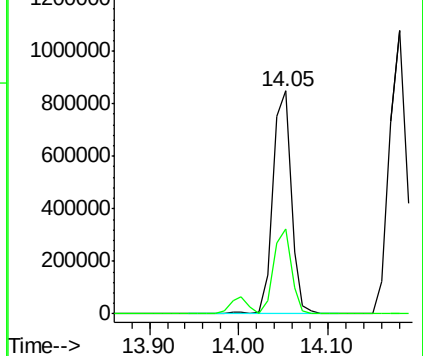
105 100

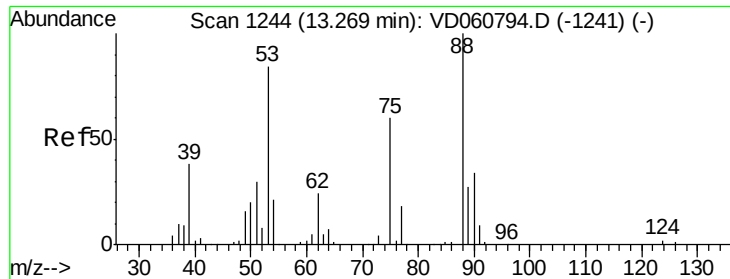
120 38.3 18.4 55.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 48.848 ug/l

RT: 13.28 min Scan# 1245

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 75 Resp: 78016

Ion Ratio Lower Upper

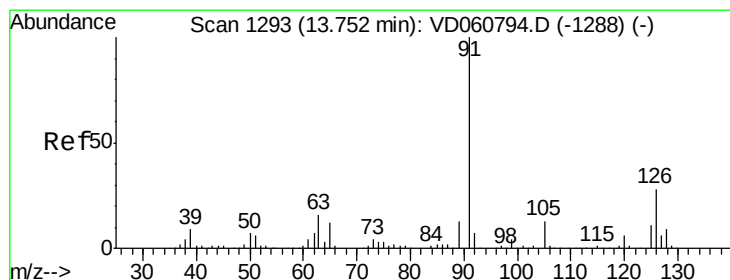
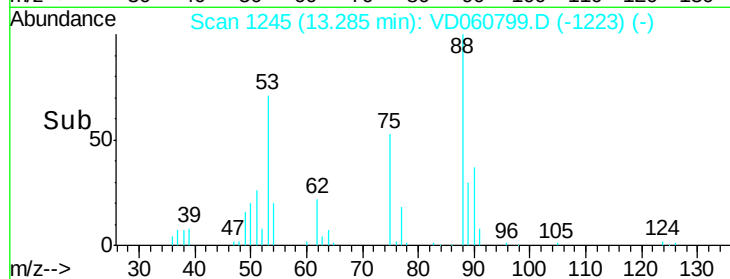
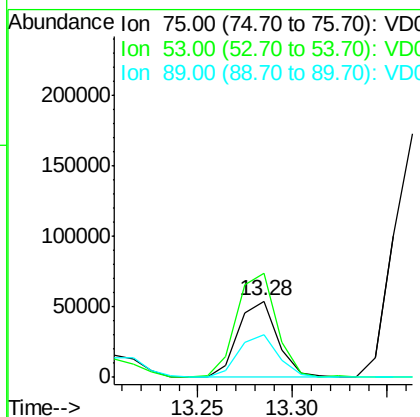
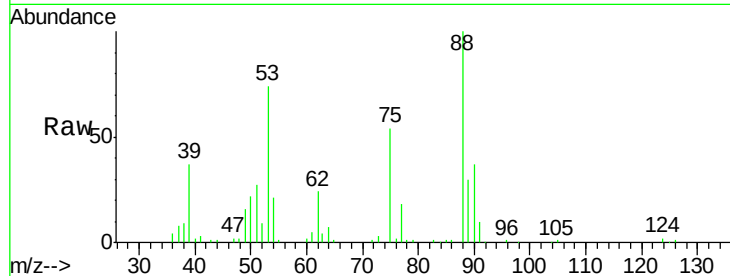
75 100

53 137.3 111.6 167.4

89 56.1 35.9 53.9#

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#82

4-Chlorotoluene

Concen: 54.843 ug/l

RT: 13.76 min Scan# 1293

Delta R.T. 0.01 min

Lab File: VD060799.D

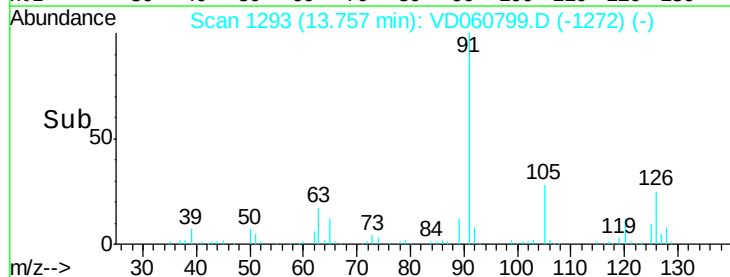
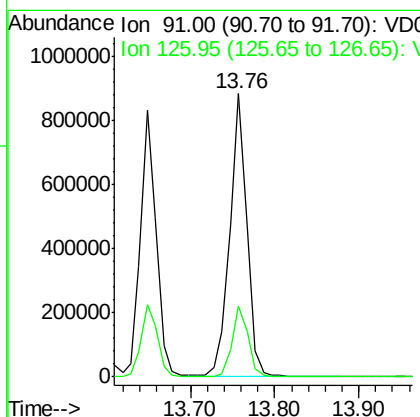
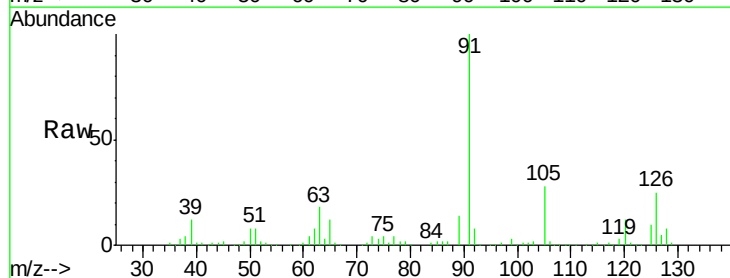
Acq: 30 Jan 2019 11:46

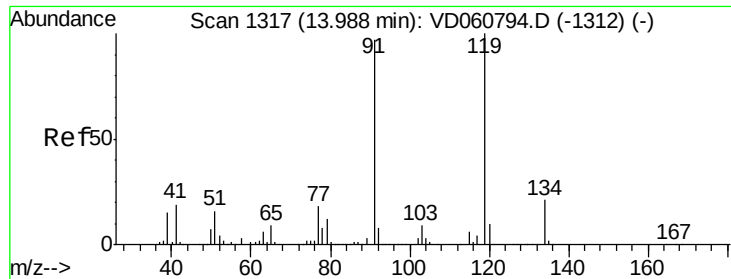
Tgt Ion: 91 Resp: 1243122

Ion Ratio Lower Upper

91 100

126 24.9 13.9 41.7





#83

tert-Butylbenzene

Concen: 53.424 ug/l

RT: 14.00 min Scan# 1318

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

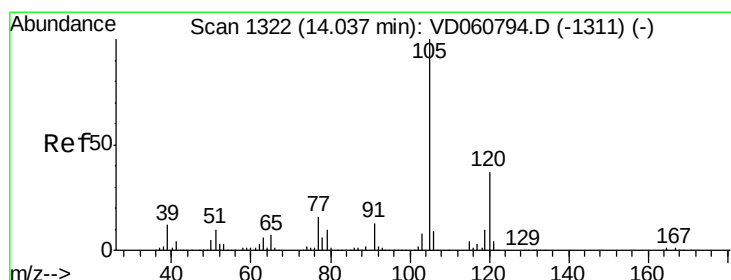
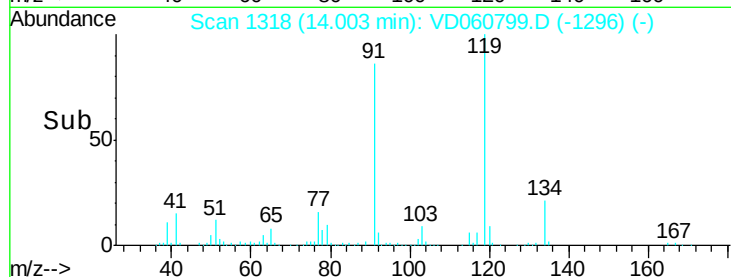
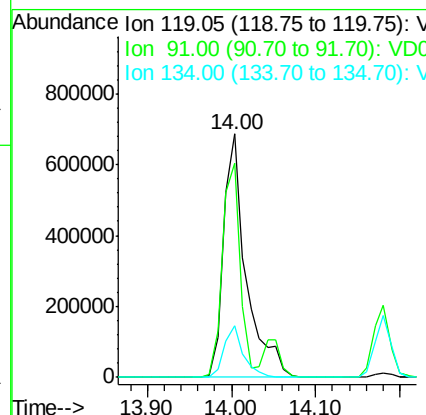
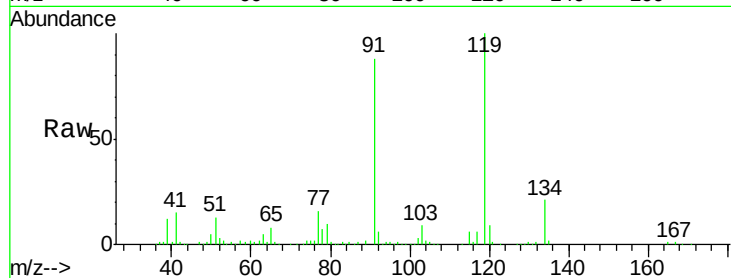
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:119 Resp: 1281678

Ion	Ratio	Lower	Upper
119	100		
91	88.2	48.5	145.5
134	21.0	10.3	30.8

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 52.851 ug/l

RT: 14.05 min Scan# 1323

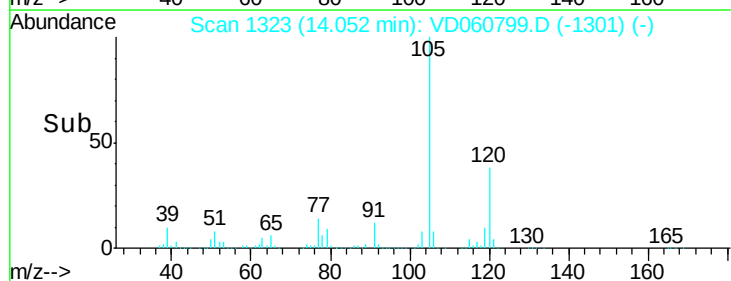
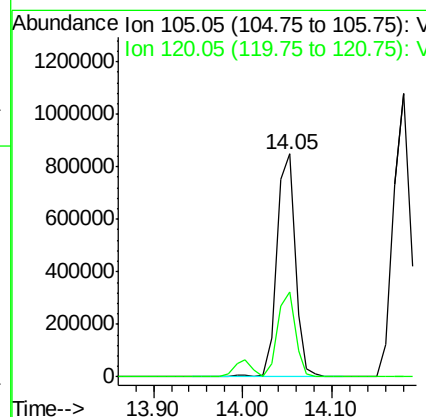
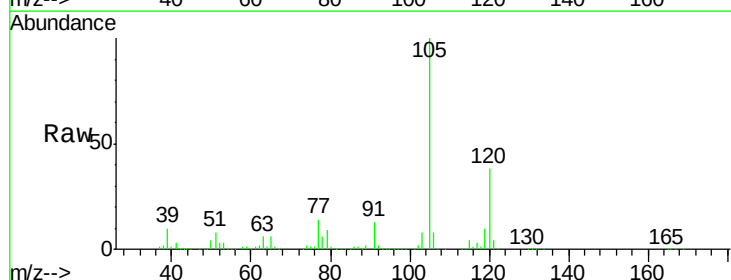
Delta R.T. 0.02 min

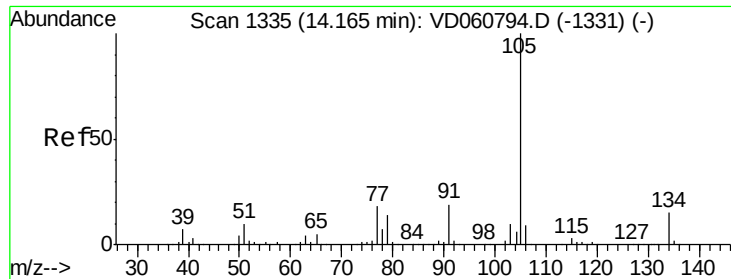
Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion:105 Resp: 1211899

Ion	Ratio	Lower	Upper
105	100		
120	38.3	18.4	55.2





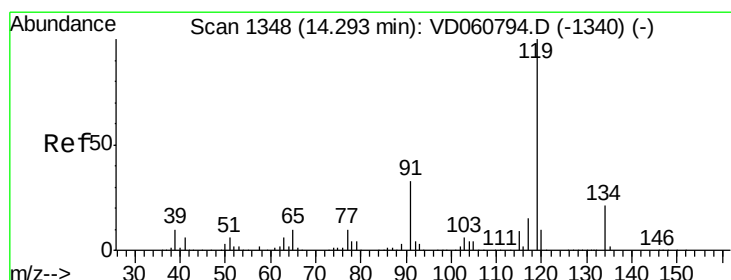
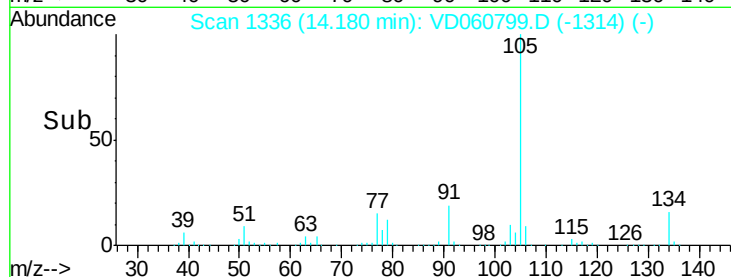
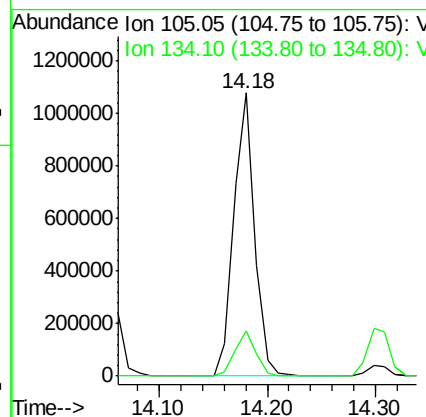
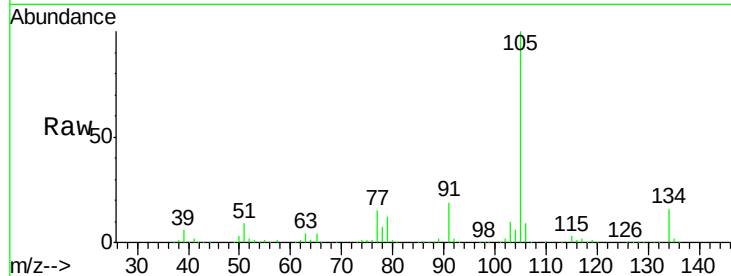
#85
 sec-Butylbenzene
 Concen: 52.611 ug/l
 RT: 14.18 min Scan# 1336
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:105 Resp: 1436744
 Ion Ratio Lower Upper
 105 100
 134 16.2 7.4 22.2

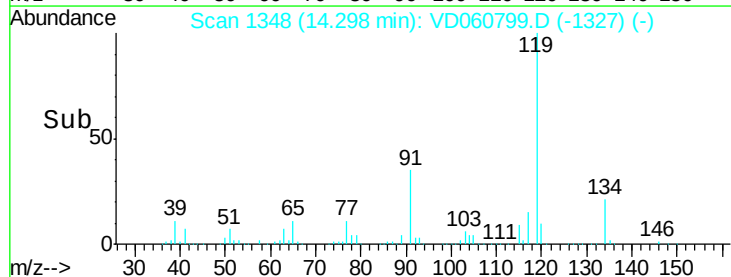
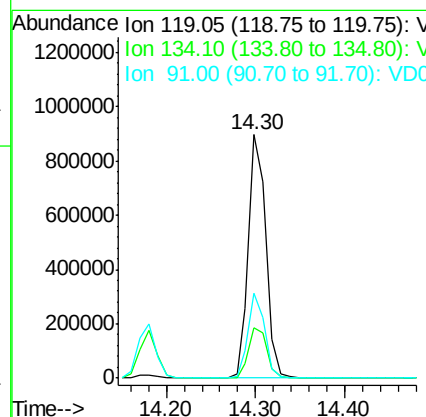
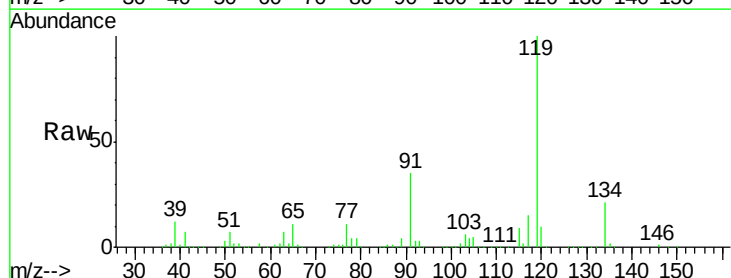
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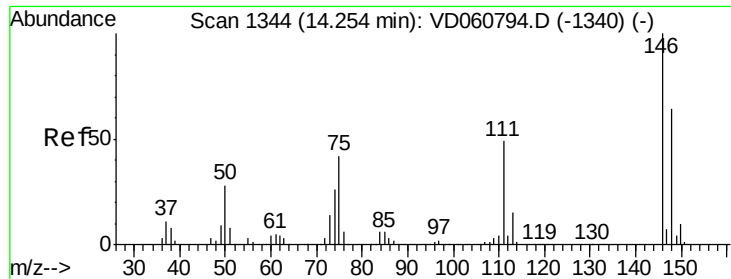
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#86
 p-Isopropyltoluene
 Concen: 54.876 ug/l
 RT: 14.30 min Scan# 1348
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion:119 Resp: 1216698
 Ion Ratio Lower Upper
 119 100
 134 20.6 10.8 32.3
 91 35.0 16.7 50.0





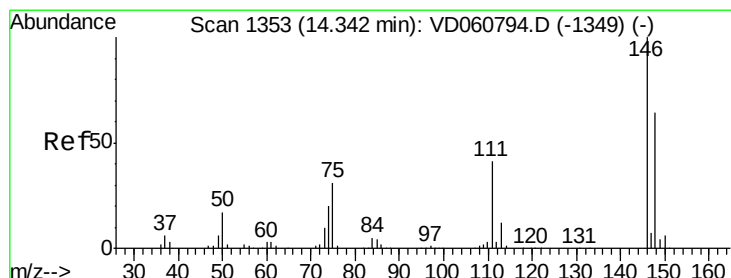
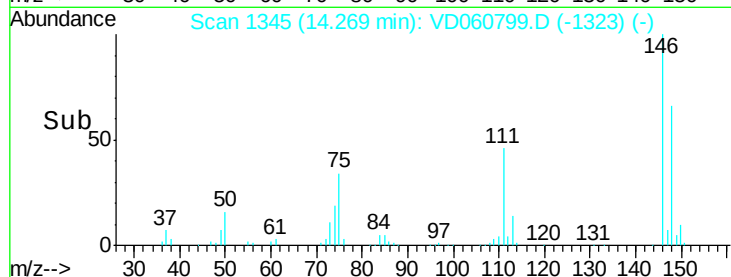
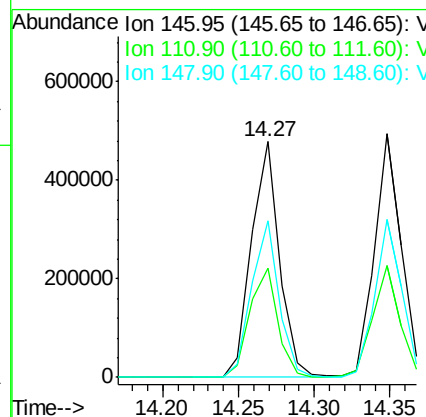
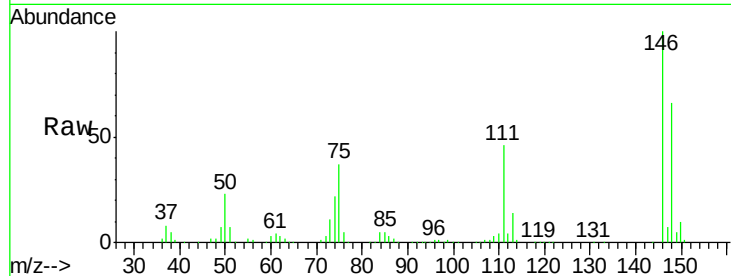
#87
 1,3-Dichlorobenzene
 Concen: 50.345 ug/l
 RT: 14.27 min Scan# 1345
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.4	24.3	73.0
148	66.4	32.1	96.5

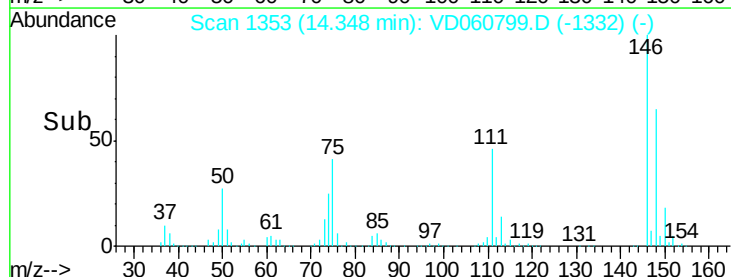
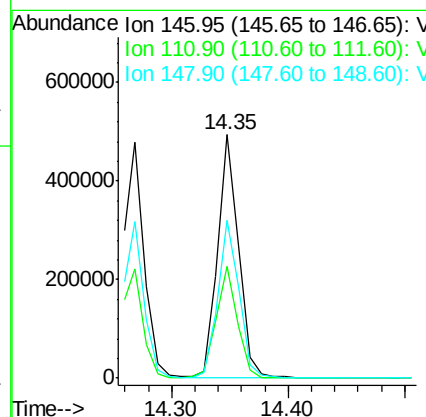
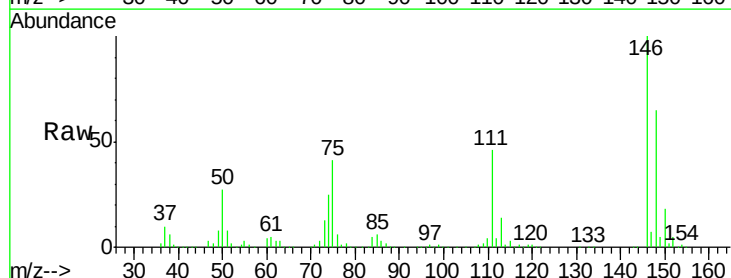
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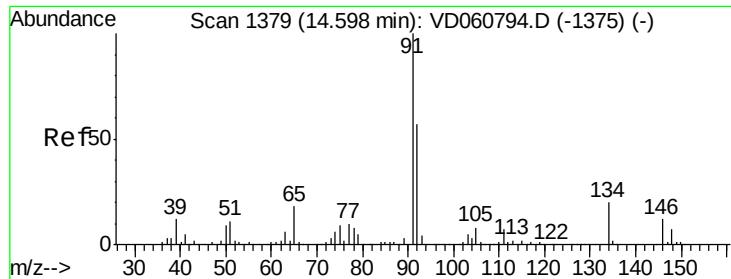
MMDadoda
 2/1/2019 3:55:30 PM



#88
 1,4-Dichlorobenzene
 Concen: 51.859 ug/l
 RT: 14.35 min Scan# 1353
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.7	20.6	61.8
148	64.8	31.9	95.7





#89

n-Butylbenzene

Concen: 51.656 ug/l

RT: 14.61 min Scan# 1380

Delta R.T. 0.02 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 91 Resp: 1194948

Ion Ratio Lower Upper

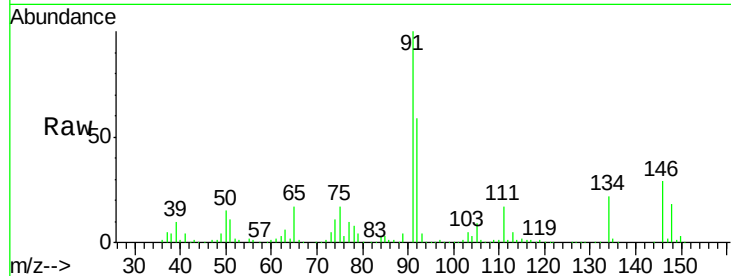
91 100

92 58.8 28.5 85.5

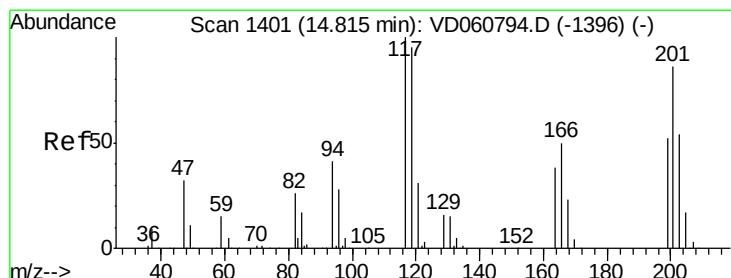
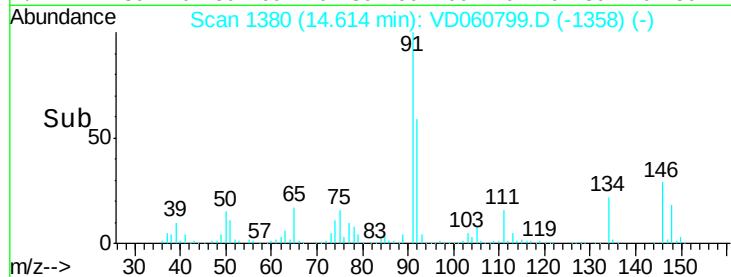
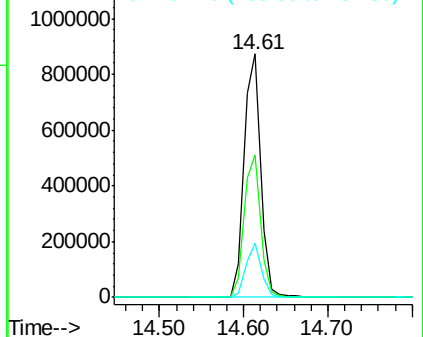
134 22.0 10.0 29.8

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Abundance Ion 91.00 (90.70 to 91.70): VDC
Ion 92.00 (91.70 to 92.70): VDC
Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 51.754 ug/l

RT: 14.82 min Scan# 1401

Delta R.T. 0.01 min

Lab File: VD060799.D

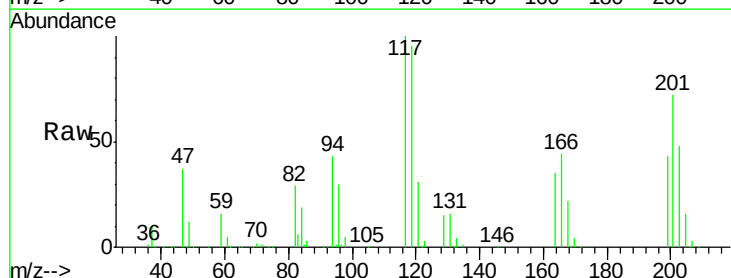
Acq: 30 Jan 2019 11:46

Tgt Ion: 117 Resp: 341465

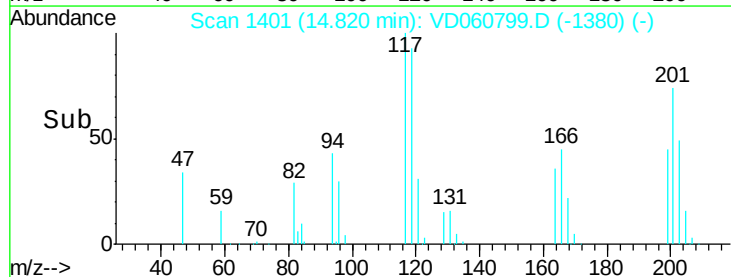
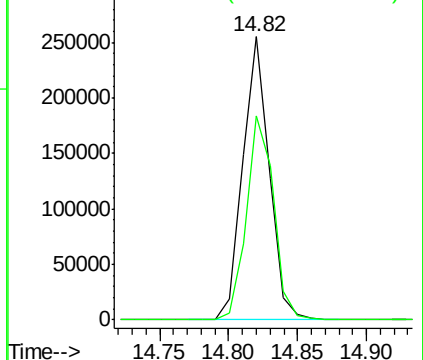
Ion Ratio Lower Upper

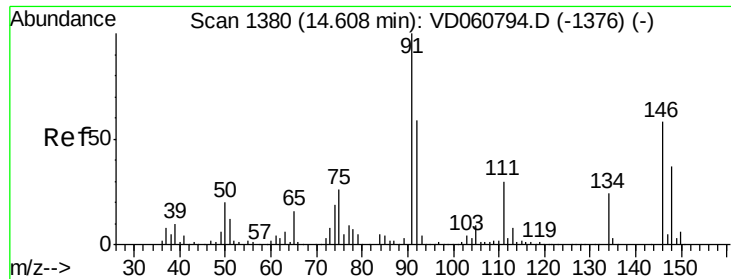
117 100

201 72.3 43.0 128.8



Abundance Ion 116.85 (116.55 to 117.55): V
Ion 200.75 (200.45 to 201.45): V





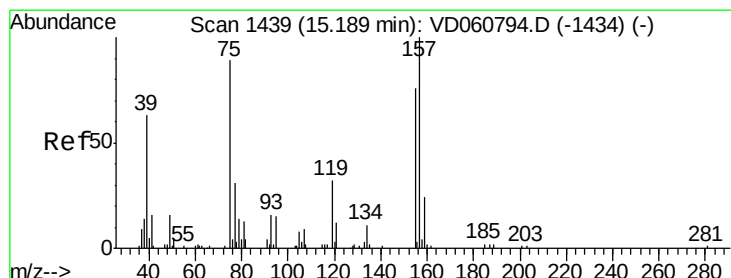
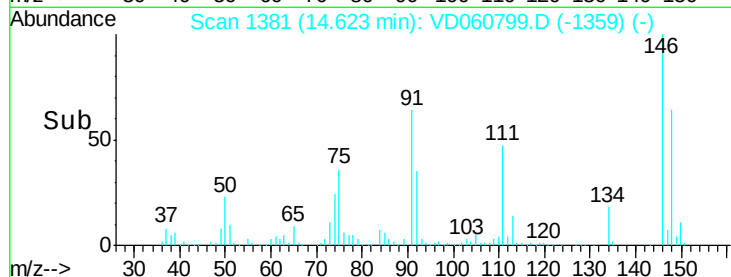
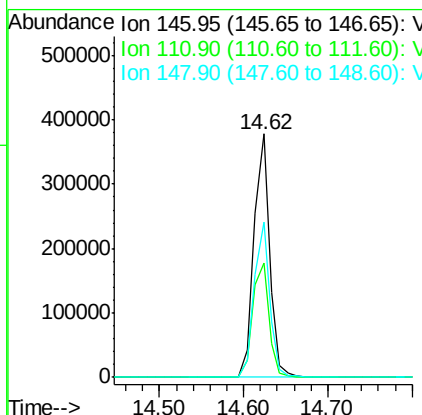
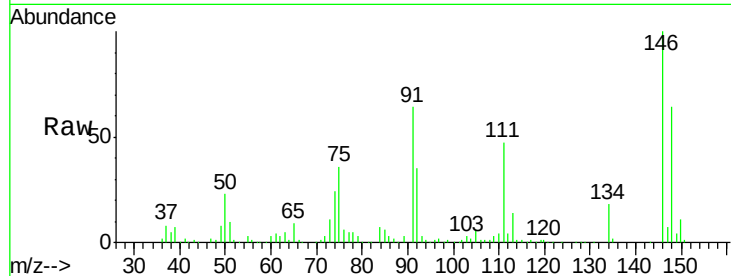
#91
 1,2-Dichlorobenzene
 Concen: 48.862 ug/l
 RT: 14.62 min Scan# 1381
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	25.6	76.8
148	64.0	31.4	94.3

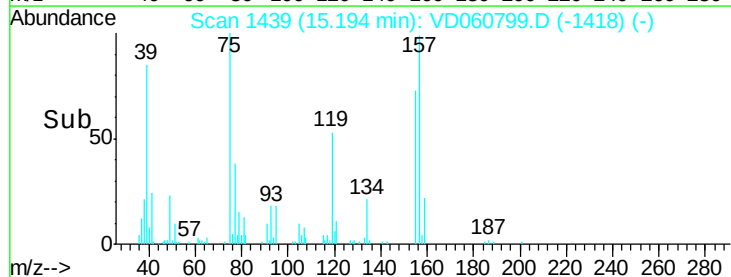
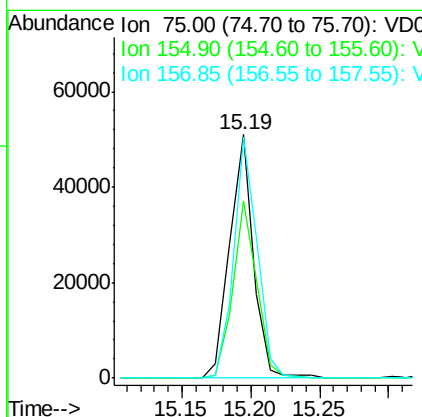
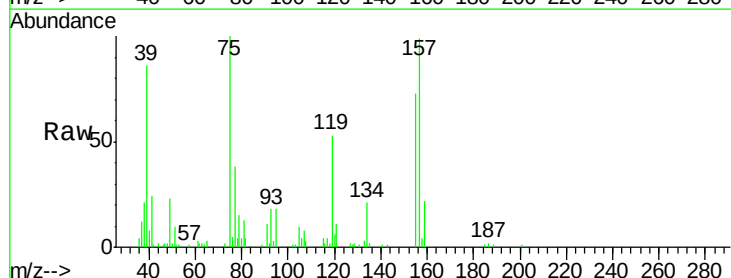
Manual Integrations
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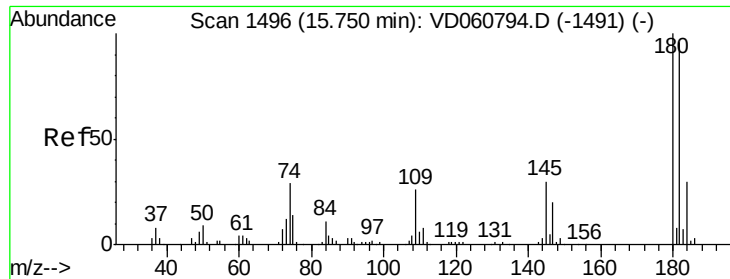
MMDadoda
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.003 ug/l
 RT: 15.19 min Scan# 1439
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	43.0	129.0
157	98.8	56.3	168.9





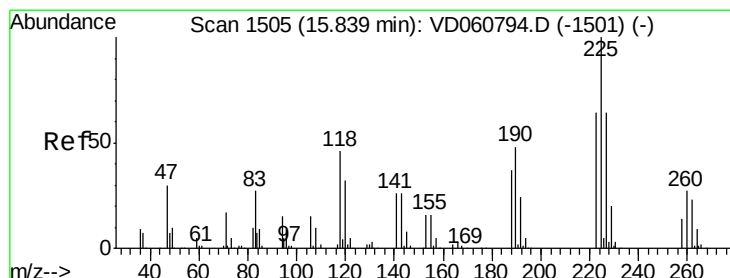
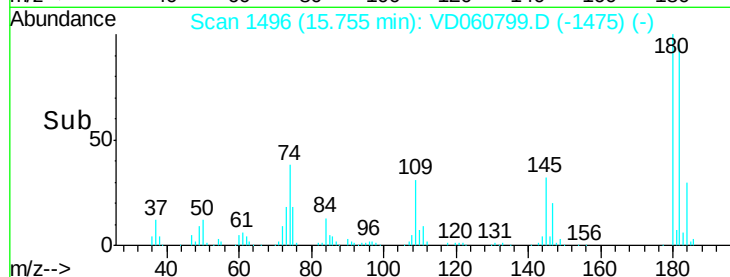
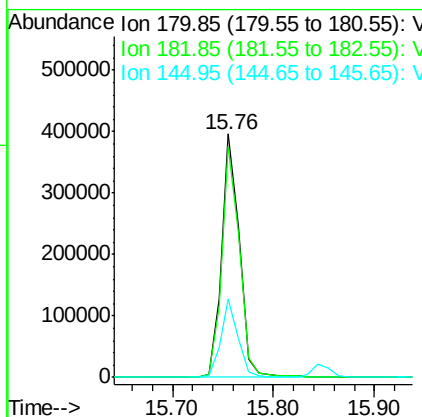
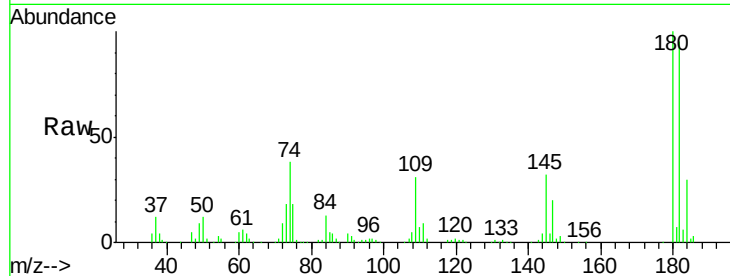
#93
 1,2,4-Trichlorobenzene
 Concen: 55.683 ug/l
 RT: 15.76 min Scan# 1496
 Delta R.T. 0.01 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Resp	Lower	Upper
180	100	490111		
182	94.6	47.9	143.7	
145	32.0	15.0	45.1	

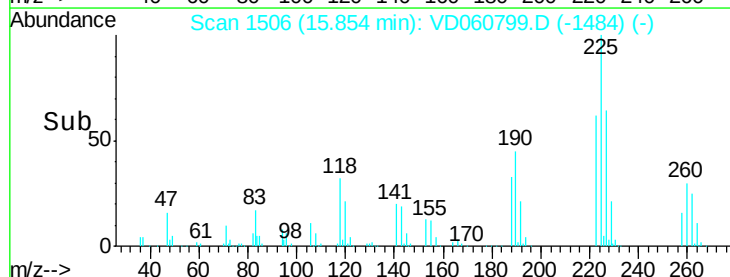
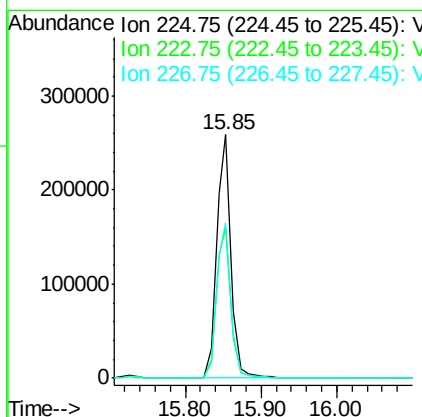
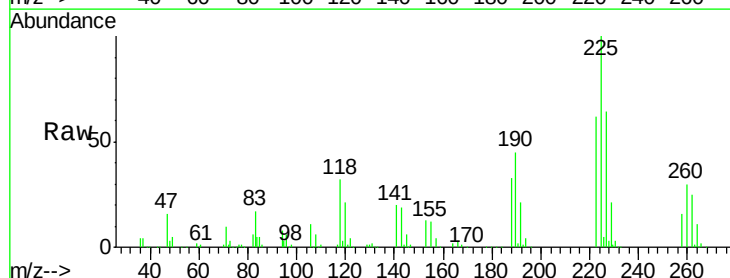
Manual Integrations
 APPROVED

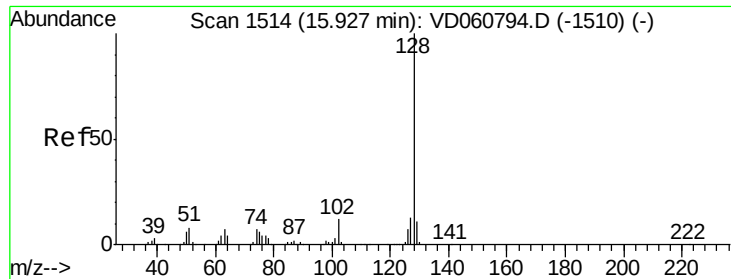
MMDadoda
 2/1/2019 3:55:30 PM



#94
 Hexachlorobutadiene
 Concen: 52.391 ug/l
 RT: 15.85 min Scan# 1506
 Delta R.T. 0.02 min
 Lab File: VD060799.D
 Acq: 30 Jan 2019 11:46

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	345993		
223	61.8	31.8	95.4	
227	63.5	31.9	95.5	





#95

Naphthalene

Concen: 53.405 ug/l

RT: 15.93 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Instrument :

MSVOA_D

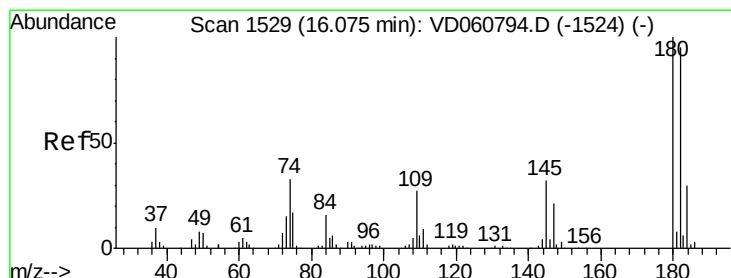
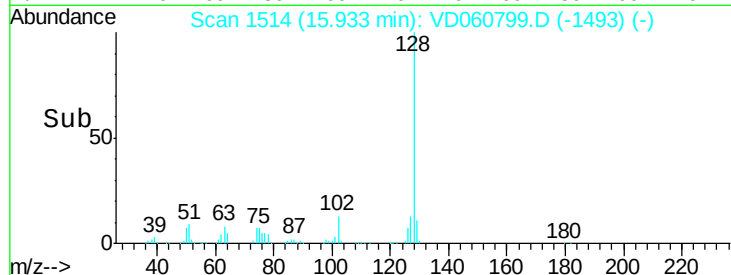
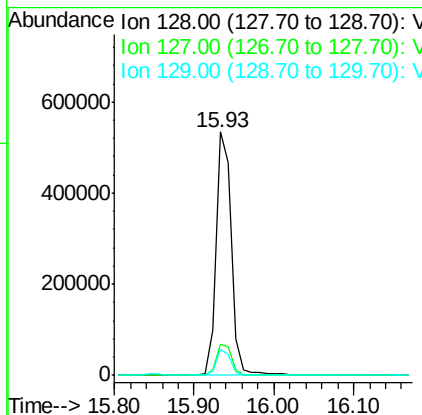
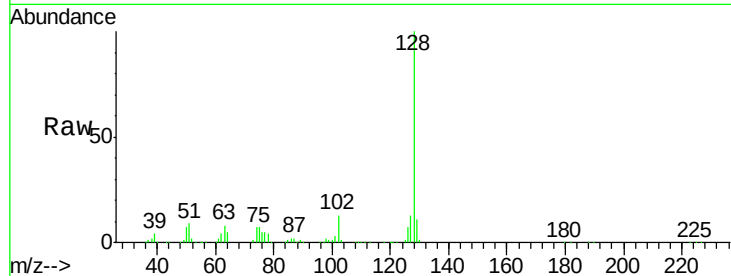
ClientSampleId :

VSTDCCC050

Tot Ion:	128	Resp:	722225
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.4	15.6
129	10.6	8.7	13.1

Manual Integrations
APPROVED

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2/1/2019 3:55:30 PM



#96

1,2,3-Trichlorobenzene

Concen: 51.379 ug/l

RT: 16.08 min Scan# 1529

Delta R.T. 0.01 min

Lab File: VD060799.D

Acq: 30 Jan 2019 11:46

Tgt Ion:	180	Resp:	393235
Ion Ratio	Lower	Upper	
180	100		
182	95.6	47.4	142.3
145	35.6	15.8	47.4

