

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD122618\
 Data File : VD060711.D
 Acq On : 26 Dec 2018 11:43
 Operator : VA/AP
 Sample : VD1226SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Manual Integrations
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 12/27/2018 10:47:59 AM

Quant Time: Dec 27 02:02:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1482377	50.00	ug/l	-0.02
34) 1,4-Difluorobenzene	7.42	114	2051037	50.00	ug/l	-0.02
63) Chlorobenzene-d5	11.27	117	1627861	50.00	ug/l	-0.01
72) 1,4-Dichlorobenzene-d4	13.36	152	845870	50.00	ug/l	-0.01

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.77	65	590997	57.69	ug/l	-0.02
Spiked Amount			Recovery	=	115.38%	
35) Dibromofluoromethane	6.31	113	852000	56.75	ug/l	-0.02
Spiked Amount			Recovery	=	113.50%	
50) Toluene-d8	9.44	98	2441729	54.51	ug/l	-0.02
Spiked Amount			Recovery	=	109.02%	
62) 4-Bromofluorobenzene	12.41	95	873522	55.68	ug/l	-0.01
Spiked Amount			Recovery	=	111.36%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.60	85	355723	18.781	ug/l	97
3) Chloromethane	1.77	50	332484	19.073	ug/l	96
4) Vinyl Chloride	1.87	62	260990	18.858	ug/l	99
5) Bromomethane	2.15	94	37313	12.036	ug/l	97
6) Chloroethane	2.26	64	65400	15.834	ug/l	94
7) Trichlorofluoromethane	2.51	101	287250	18.660	ug/l	95
8) Diethyl Ether	2.83	74	51630	20.047	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.09	101	196623	19.691	ug/l	94
10) Methyl Iodide	3.25	142	194304	18.516	ug/l	97
11) Tert butyl alcohol	3.95	59	41056	95.896	ug/l #	94
12) 1,1-Dichloroethene	3.07	96	161476	19.681	ug/l	98
13) Acrolein	2.99	56	41844	95.910	ug/l	95
14) Allyl chloride	3.53	41	300075	19.932	ug/l	98
15) Acrylonitrile	4.08	53	266225	107.108	ug/l	98
16) Acetone	3.16	43	174923	97.776	ug/l	99
17) Carbon Disulfide	3.31	76	463315	17.682	ug/l	99
18) Methyl Acetate	3.55	43	85688	19.326	ug/l	99
19) Methyl tert-butyl Ether	4.11	73	441596	21.215	ug/l	99
20) Methylene Chloride	3.72	84	459849	24.751	ug/l	96
21) trans-1,2-Dichloroethene	4.09	96	331362	19.721	ug/l	99
22) Diisopropyl ether	4.84	45	1085275	21.232	ug/l	97
23) Vinyl Acetate	4.79	43	2659671	107.549	ug/l	99
24) 1,1-Dichloroethane	4.74	63	568125	21.131	ug/l	99
25) 2-Butanone	5.61	43	356858	104.240	ug/l	99
26) 2,2-Dichloropropane	5.57	77	441474	20.802	ug/l	98
27) cis-1,2-Dichloroethene	5.58	96	353421	20.720	ug/l	97
28) Bromochloromethane	5.90	49	222053	19.550	ug/l	100
29) Tetrahydrofuran	5.94	42	196538	101.270	ug/l	99
30) Chloroform	6.08	83	562082	20.776	ug/l	98
31) Cyclohexane	6.34	56	519161	20.065	ug/l	98
32) 1,1,1-Trichloroethane	6.28	97	463511	20.709	ug/l	99
36) 1,1-Dichloropropene	6.50	75	429747	20.348	ug/l	95
37) Ethyl Acetate	5.68	43	186213	21.082	ug/l #	94
38) Carbon Tetrachloride	6.47	117	381251	20.462	ug/l	98

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Quant Time: Dec 27 02:02:42 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 21 17:37:47 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	482241	20.020	ug/l	99
40) Benzene	6.77	78	1089504	19.971	ug/l	99
41) Methacrylonitrile	5.92	41	120067m	24.575	ug/l	
42) 1,2-Dichloroethane	6.87	62	277803	20.520	ug/l	99
43) Isopropyl Acetate	8.32	43	221567	19.547	ug/l #	99
44) Trichloroethene	7.72	130	323006	20.004	ug/l	98
45) 1,2-Dichloropropane	8.08	63	275165	20.567	ug/l	100
46) Dibromomethane	8.20	93	156466	20.491	ug/l	96
47) Bromodichloromethane	8.47	83	370002	20.459	ug/l	98
48) Methyl methacrylate	8.22	41	136984	19.897	ug/l	99
49) 1,4-Dioxane	8.21	88	23858	372.711	ug/l #	82
51) 4-Methyl-2-Pentanone	9.32	43	710622	102.325	ug/l	98
52) Toluene	9.52	92	696887	20.377	ug/l	100
53) t-1,3-Dichloropropene	9.90	75	314561	20.848	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	409083	20.714	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	192475	20.917	ug/l	93
56) Ethyl methacrylate	10.01	69	172127	20.139	ug/l	95
57) 1,3-Dichloropropane	10.36	76	295486	20.259	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	538933	107.016	ug/l	97
59) 2-Hexanone	10.47	43	504638	103.812	ug/l	100
60) Dibromochloromethane	10.62	129	245572	20.952	ug/l	96
61) 1,2-Dibromoethane	10.73	107	196068	20.543	ug/l	100
64) Tetrachloroethene	10.23	164	314907	21.343	ug/l	95
65) Chlorobenzene	11.29	112	757189	21.053	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.40	131	249992	21.618	ug/l	98
67) Ethyl Benzene	11.41	91	1329386	21.583	ug/l	98
68) m/p-Xylenes	11.55	106	969337	43.063	ug/l	98
69) o-Xylene	11.91	106	456134	21.359	ug/l	90
70) Styrene	11.93	104	734095	21.343	ug/l	96
71) Bromoform	12.10	173	161644	21.176	ug/l	97
73) Isopropylbenzene	12.26	105	1314074	21.819	ug/l	100
74) N-amyl acetate	12.12	43	306190	21.542	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.54	83	203369	20.833	ug/l	98
76) 1,2,3-Trichloropropane	12.58	75	201869	20.962	ug/l	97
77) Bromobenzene	12.53	156	344100	21.641	ug/l	95
78) n-propylbenzene	12.62	91	1626541	21.126	ug/l	99
79) 2-Chlorotoluene	12.69	91	885766	21.479	ug/l	99
80) 1,3,5-Trimethylbenzene	12.78	105	1037092	22.301	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.33	75	52705	19.806	ug/l	96
82) 4-Chlorotoluene	12.79	91	1021541	21.855	ug/l	100
83) tert-Butylbenzene	13.03	119	1145530	21.644	ug/l	90
84) 1,2,4-Trimethylbenzene	13.08	105	1044357	21.804	ug/l	98
85) sec-Butylbenzene	13.20	105	1386467	21.481	ug/l	99
86) p-Isopropyltoluene	13.33	119	1122353	21.542	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	618498	21.190	ug/l	95
88) 1,4-Dichlorobenzene	13.38	146	600132	20.865	ug/l	99
89) n-Butylbenzene	13.64	91	1178412	22.133	ug/l	100
90) Hexachloroethane	13.84	117	276809	21.627	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	522658	22.323	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.22	75	24194	21.097	ug/l #	46

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Instrument :
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ClientSampleId :
VD1226SBS01

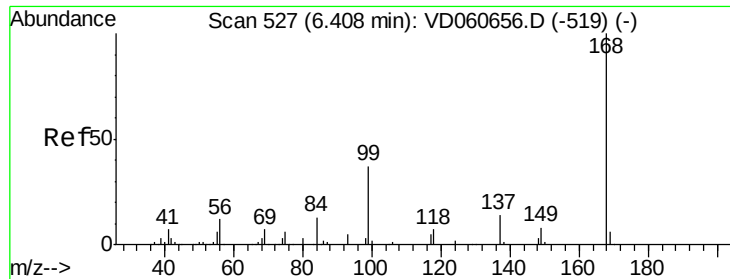
Manual Integrations
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12/27/2018 10:47:59 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D122018S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 21 17:37:47 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	397951	21.360	ug/l	100
94) Hexachlorobutadiene	14.87	225	284929	20.690	ug/l	98
95) Naphthalene	14.96	128	441731	19.949	ug/l	99
96) 1,2,3-Trichlorobenzene	15.10	180	322900	22.171	ug/l	99

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



#1

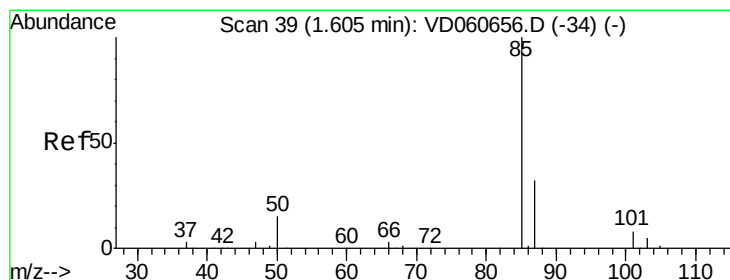
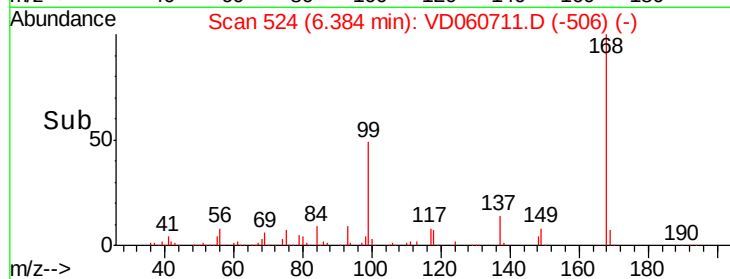
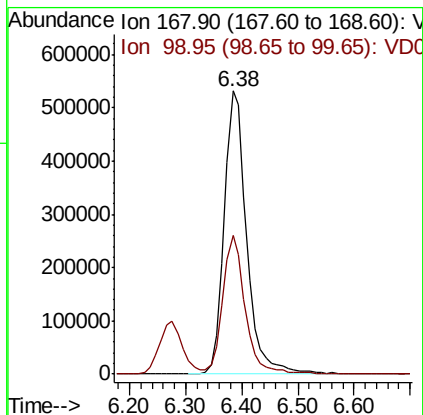
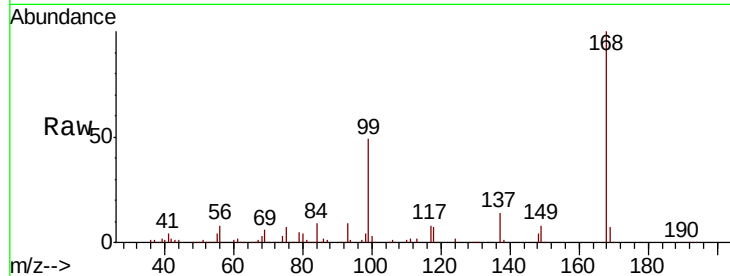
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.38 min Scan# 524
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion:168 Resp: 1482377
 Ion Ratio Lower Upper
 168 100
 99 49.1 38.7 58.1

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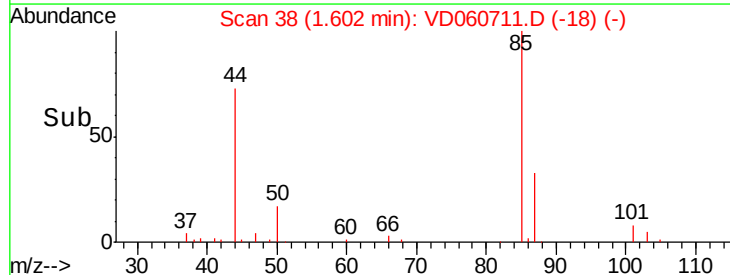
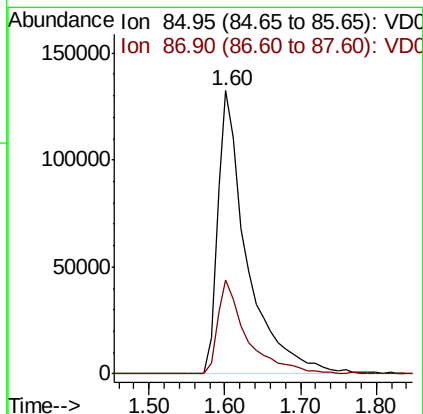
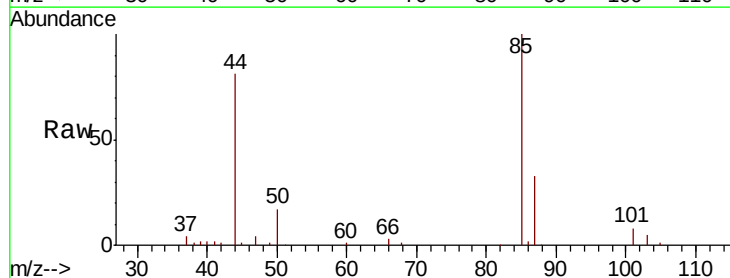
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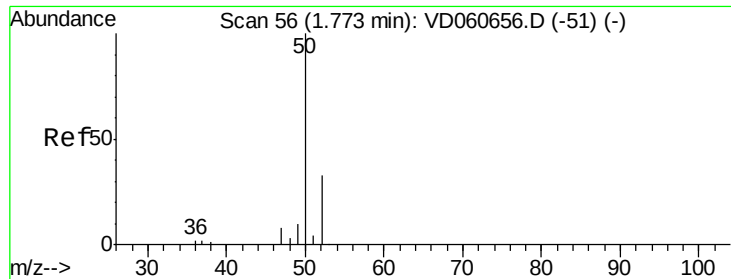


#2

Dichlorodifluoromethane
 Concen: 18.781 ug/l
 RT: 1.60 min Scan# 38
 Delta R.T. -0.00 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion: 85 Resp: 355723
 Ion Ratio Lower Upper
 85 100
 87 33.4 16.0 47.9





#3

Chloromethane

Concen: 19.073 ug/l

RT: 1.77 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 50 Resp: 332484

Ion Ratio Lower Upper

50 100

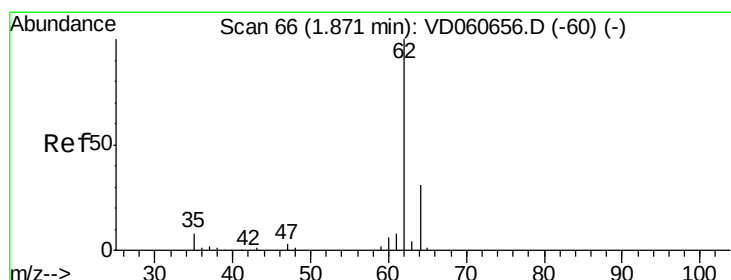
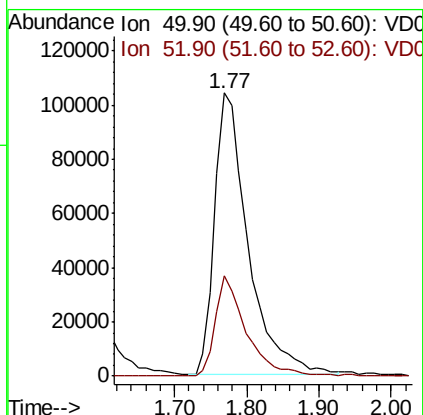
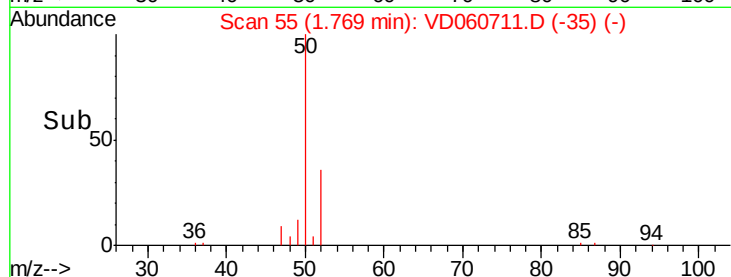
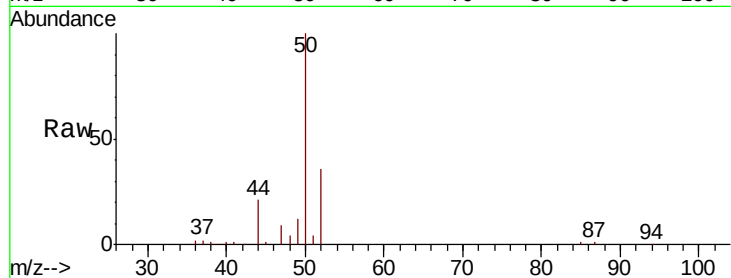
52 35.6 26.6 39.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.858 ug/l

RT: 1.87 min Scan# 65

Delta R.T. -0.00 min

Lab File: VD060711.D

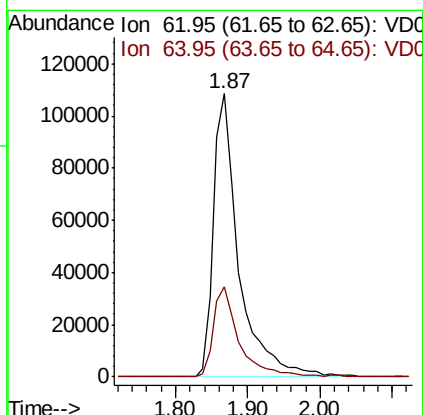
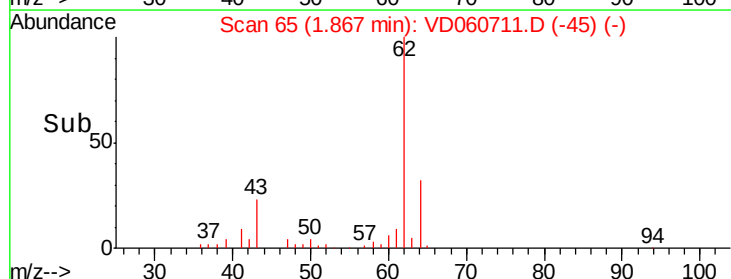
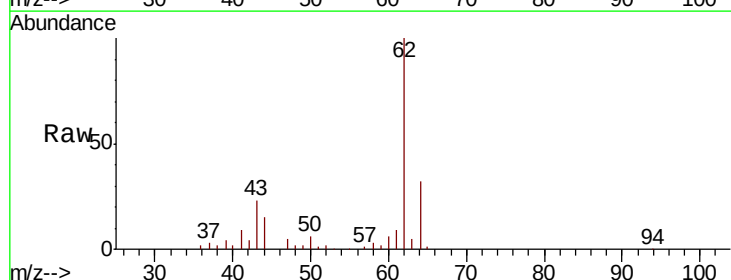
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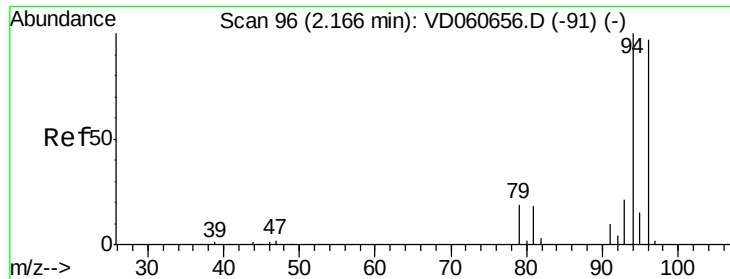
Tgt Ion: 62 Resp: 260990

Ion Ratio Lower Upper

62 100

64 32.0 25.0 37.6





#5

Bromomethane

Concen: 12.036 ug/l

RT: 2.15 min Scan# 94

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 94 Resp: 37313

Ion Ratio Lower Upper

94 100

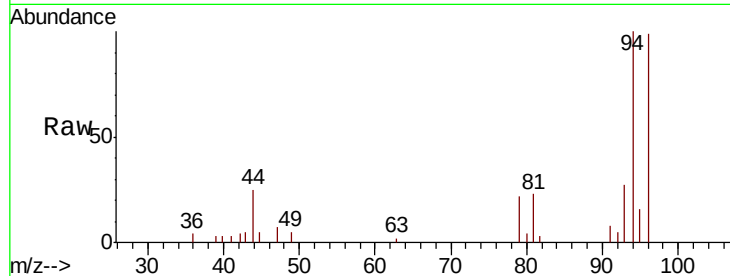
96 99.2 77.2 115.8

Manual Integrations

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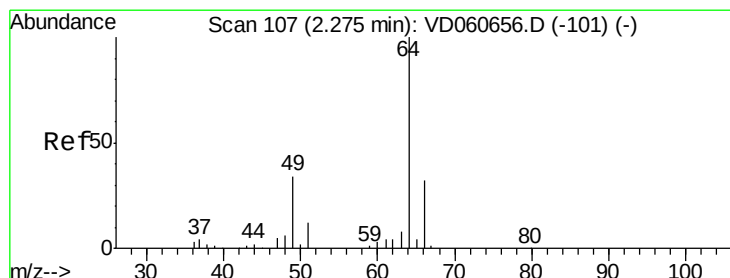
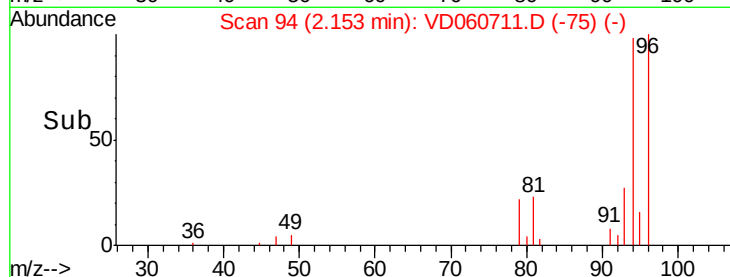
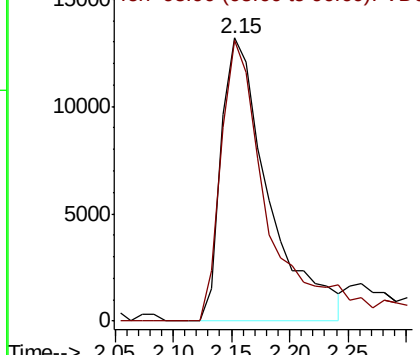
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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 15.834 ug/l

RT: 2.26 min Scan# 105

Delta R.T. -0.01 min

Lab File: VD060711.D

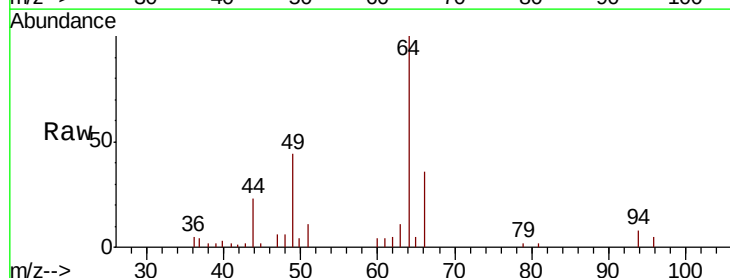
Acq: 26 Dec 2018 11:43

Tgt Ion: 64 Resp: 65400

Ion Ratio Lower Upper

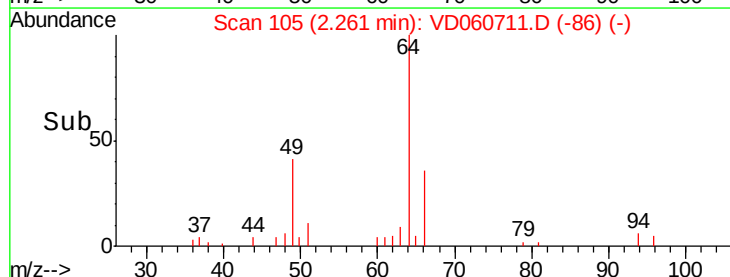
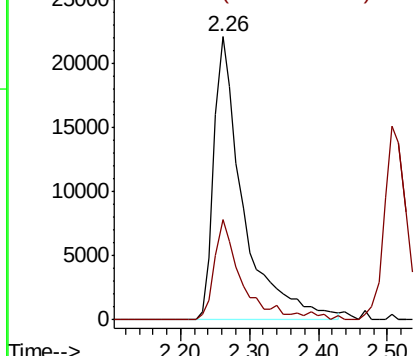
64 100

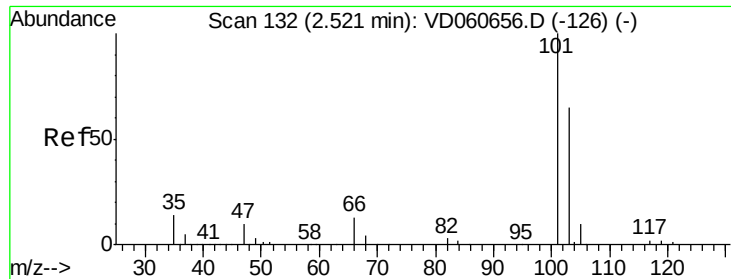
66 35.6 25.6 38.4



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

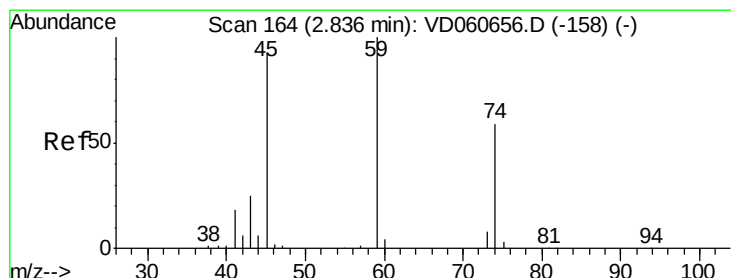
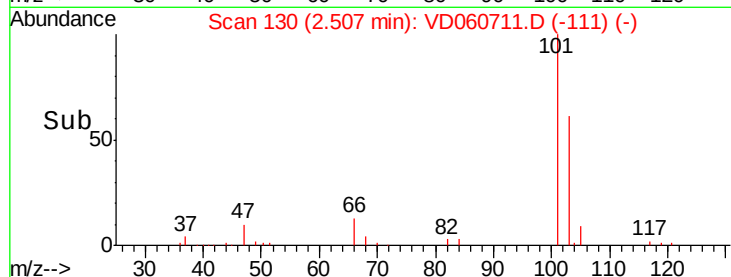
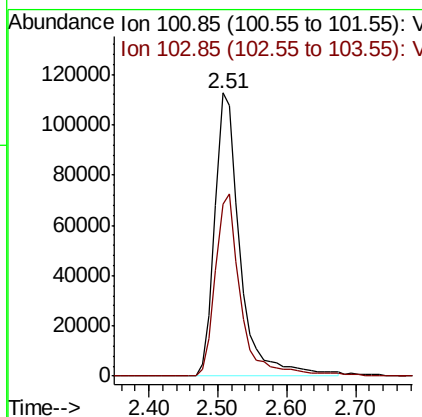
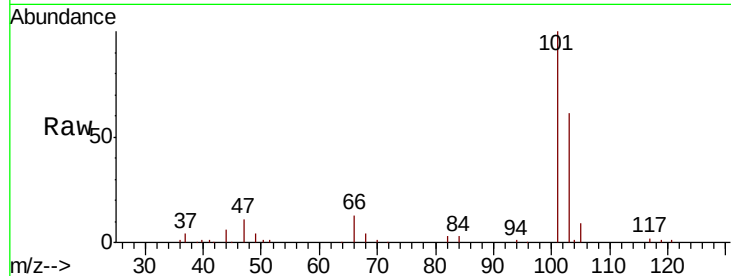
Trichlorofluoromethane
Concen: 18.660 ug/l
RT: 2.51 min Scan# 130
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

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Tot Ion	Ratio	Resp	Lower	Upper
101	100	287250		
103	60.8	51.9	77.9	

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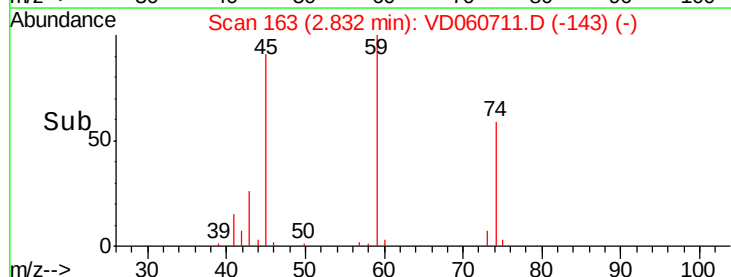
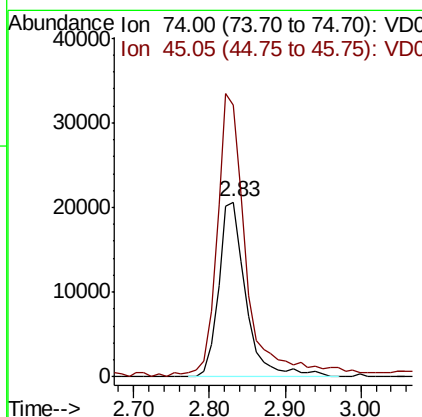
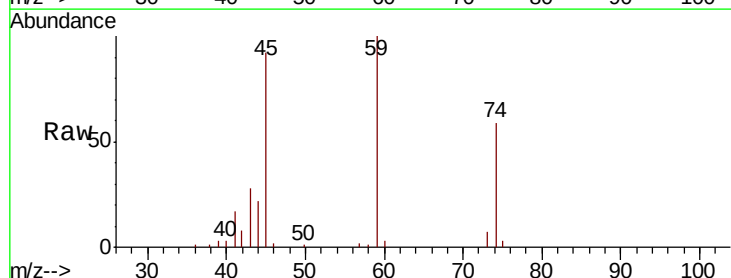
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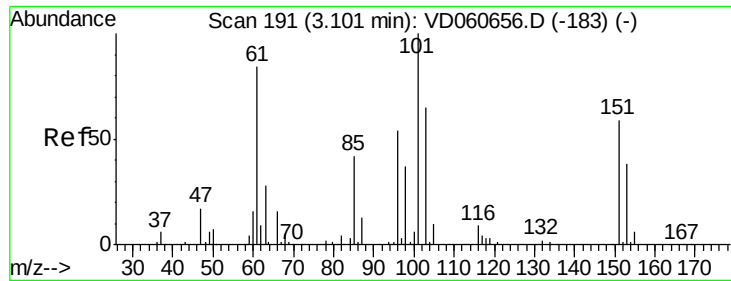


#8

Diethyl Ether
Concen: 20.047 ug/l
RT: 2.83 min Scan# 163
Delta R.T. -0.00 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	51630		
45	156.1	79.3	238.1	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.691 ug/l

RT: 3.09 min Scan# 189

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

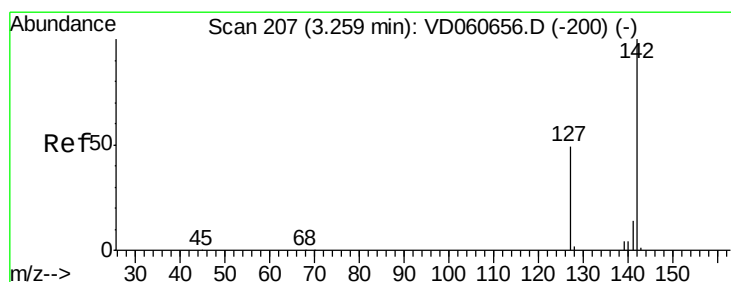
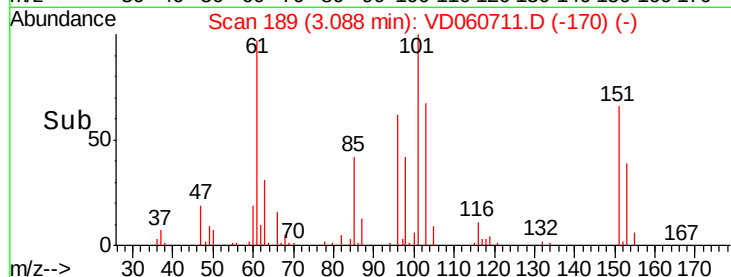
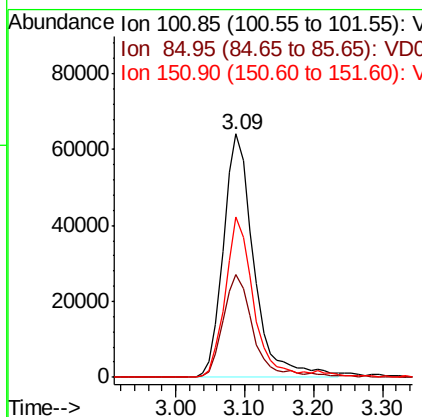
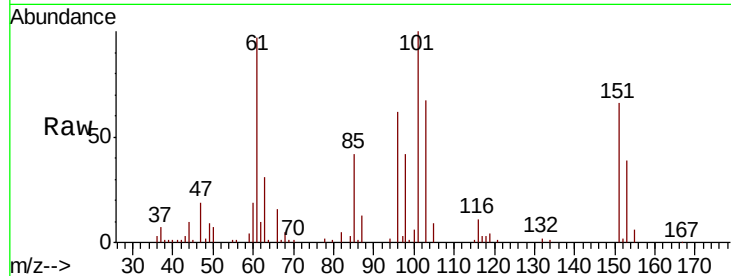
ClientSampleId :

VD1226SBS01

Tot Ion:	101	Resp:	196623
Ion Ratio	Lower	Upper	
101	100		
85	42.4	33.4	50.0
151	65.9	47.5	71.3

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#10

Methyl Iodide

Concen: 18.516 ug/l

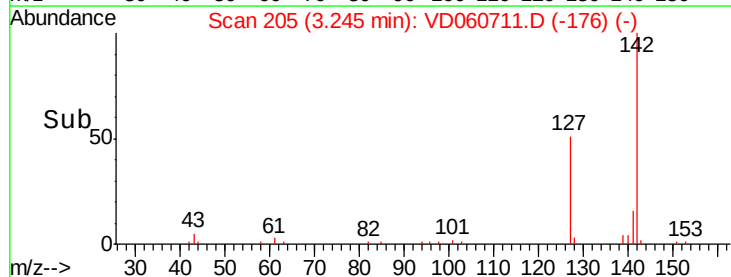
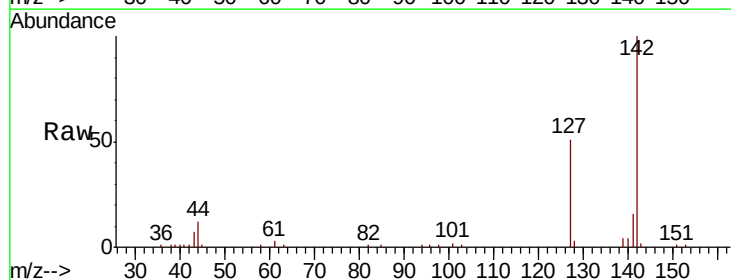
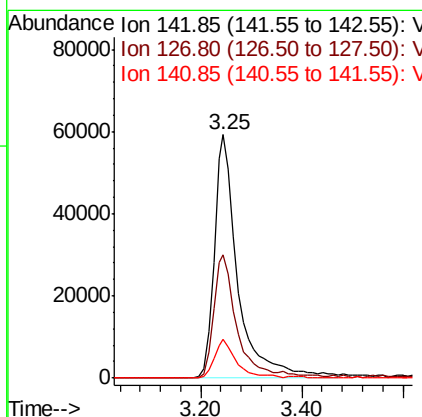
RT: 3.25 min Scan# 205

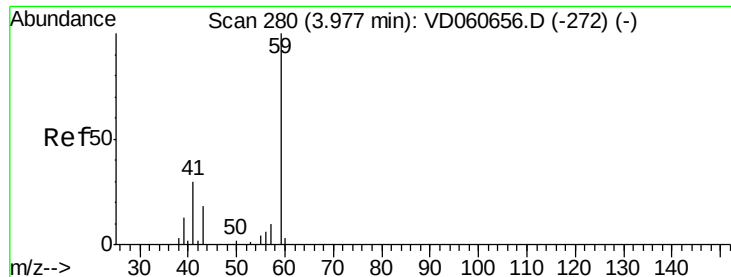
Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Tgt Ion:	142	Resp:	194304
Ion Ratio	Lower	Upper	
142	100		
127	50.6	39.5	59.3
141	16.2	11.3	16.9





#11

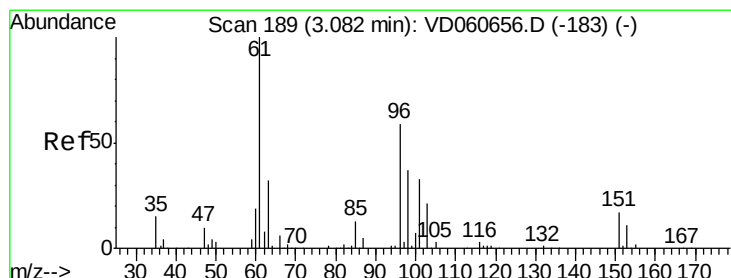
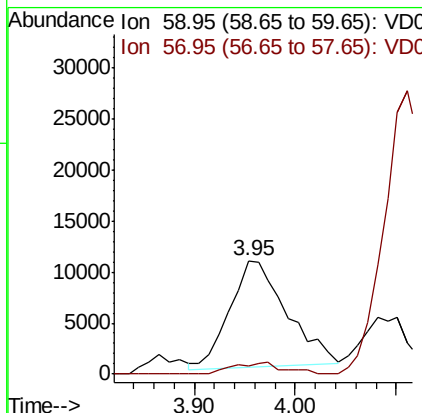
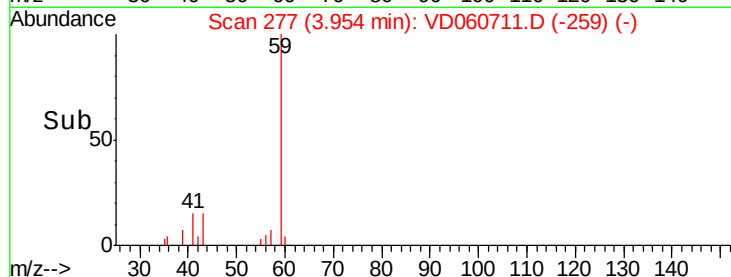
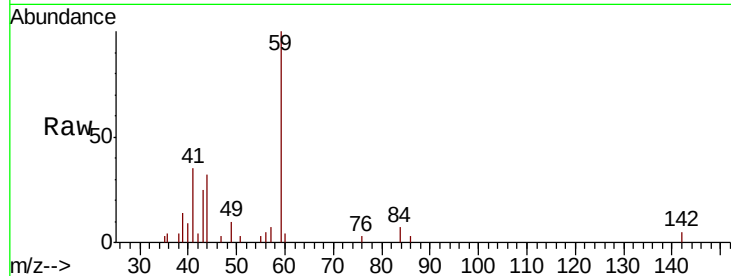
Tert butyl alcohol
Concen: 95.896 ug/l
RT: 3.95 min Scan# 277
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 59 Resp: 41056
Ion Ratio Lower Upper
59 100
57 7.4 7.8 11.6#

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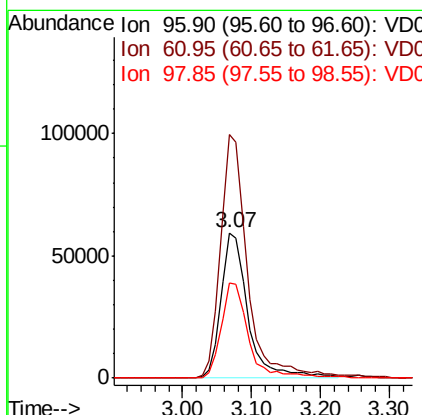
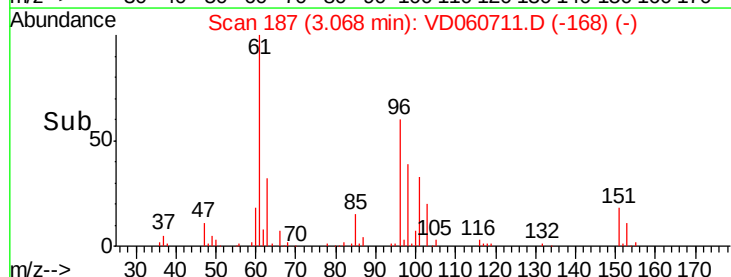
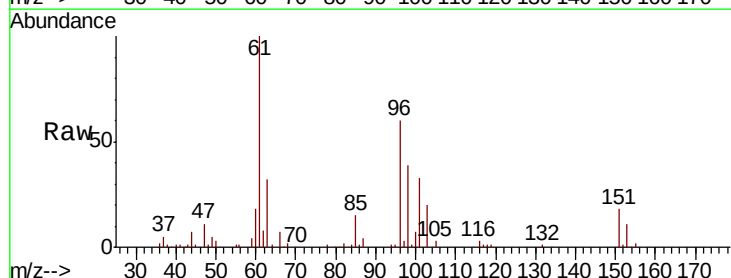
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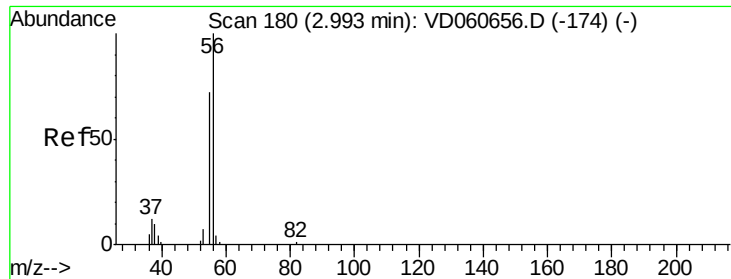


#12

1,1-Dichloroethene
Concen: 19.681 ug/l
RT: 3.07 min Scan# 187
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion: 96 Resp: 161476
Ion Ratio Lower Upper
96 100
61 167.1 136.2 204.4
98 65.1 50.7 76.1





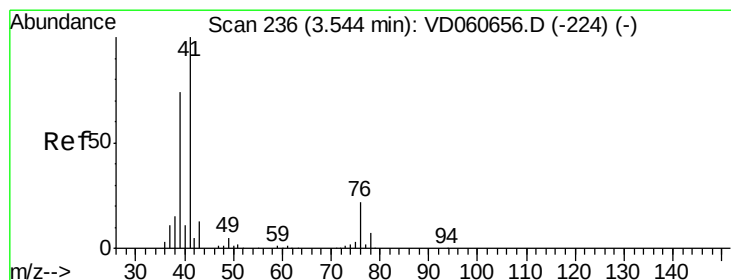
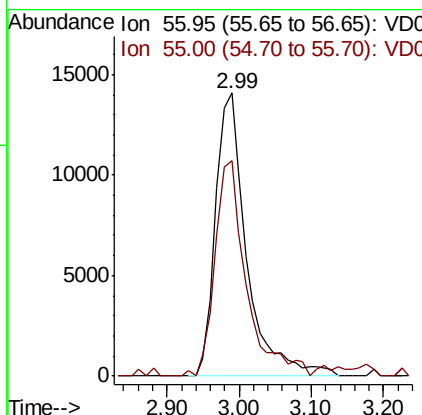
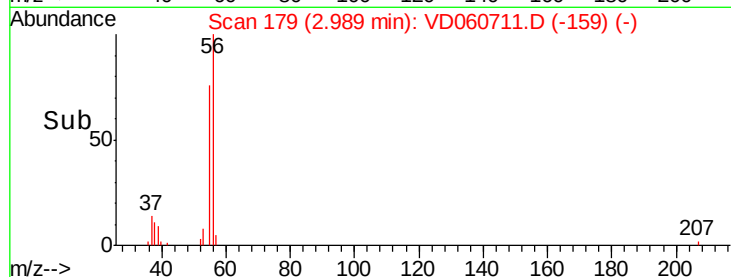
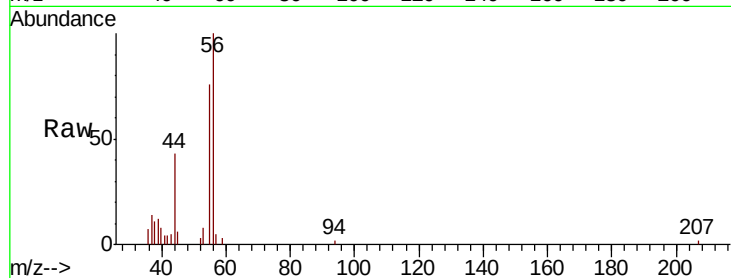
#13
Acrolein
Concen: 95.910 ug/l
RT: 2.99 min Scan# 179
Delta R.T. -0.00 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 56 Resp: 41844
Ion Ratio Lower Upper
56 100
55 76.3 57.7 86.5

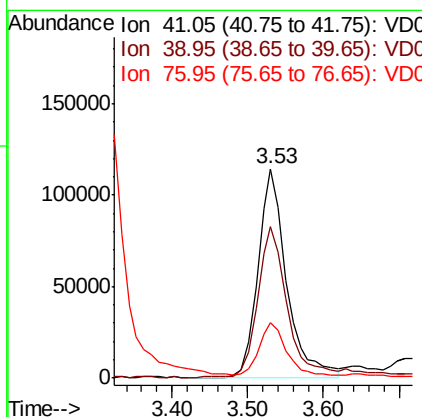
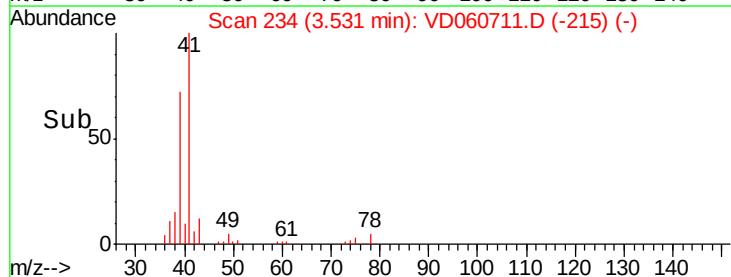
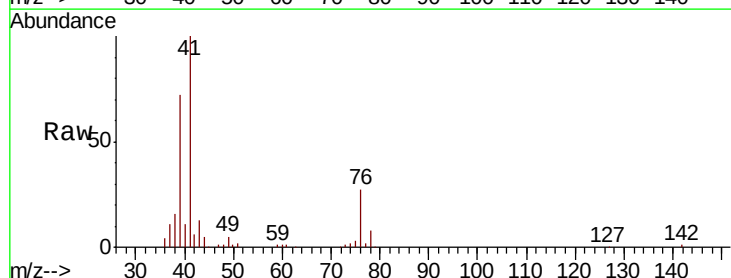
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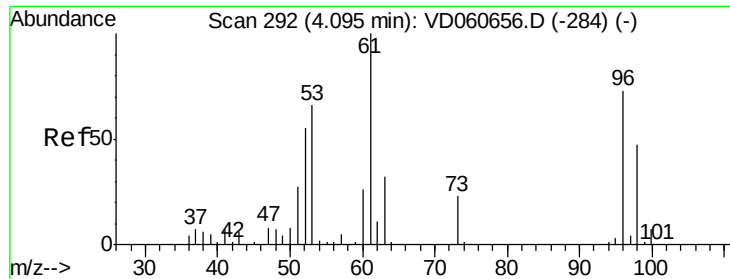
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#14
Allyl chloride
Concen: 19.932 ug/l
RT: 3.53 min Scan# 234
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion: 41 Resp: 300075
Ion Ratio Lower Upper
41 100
39 72.2 59.6 89.4
76 26.7 21.8 32.6





#15

Acrylonitrile

Concen: 107.108 ug/l

RT: 4.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleID :

VD1226SBS01

Tot Ion: 53 Resp: 266225

Ion Ratio Lower Upper

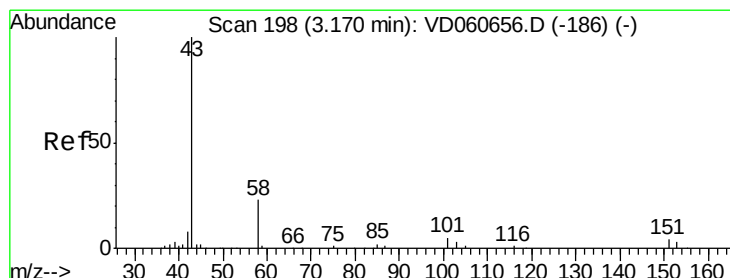
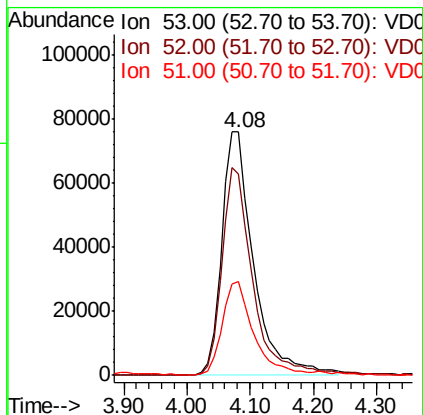
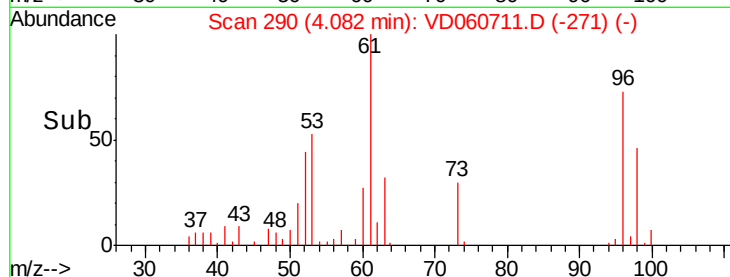
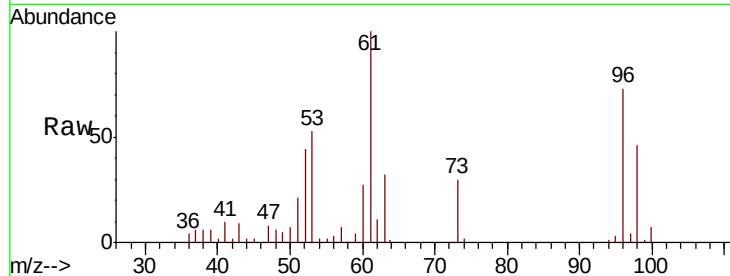
53 100

52 82.7 66.7 100.1

51 38.6 32.7 49.1

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#16

Acetone

Concen: 97.776 ug/l

RT: 3.16 min Scan# 196

Delta R.T. -0.01 min

Lab File: VD060711.D

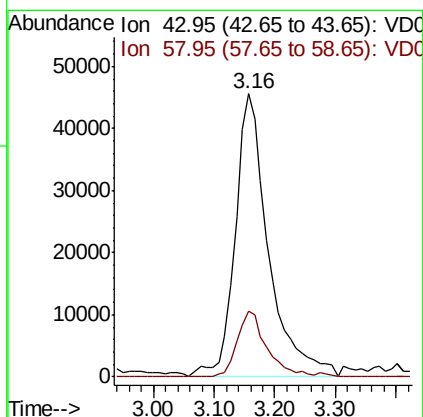
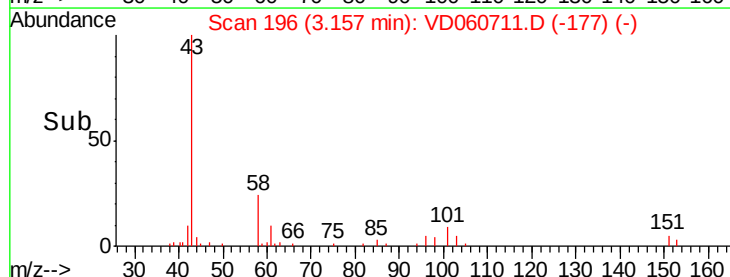
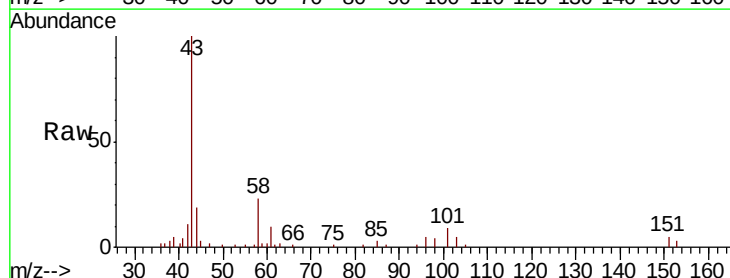
Acq: 26 Dec 2018 11:43

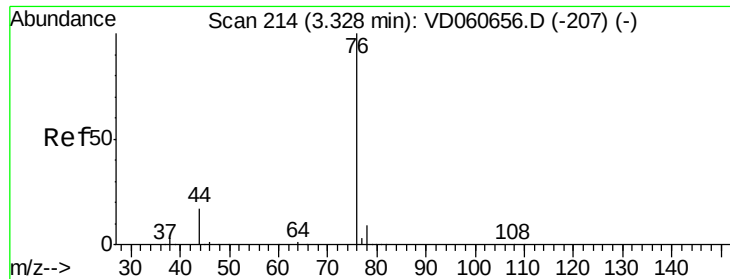
Tgt Ion: 43 Resp: 174923

Ion Ratio Lower Upper

43 100

58 23.1 18.2 27.2





#17

Carbon Disulfide

Concen: 17.682 ug/l

RT: 3.31 min Scan# 212

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 76 Resp: 463315

Ion Ratio Lower Upper

76 100

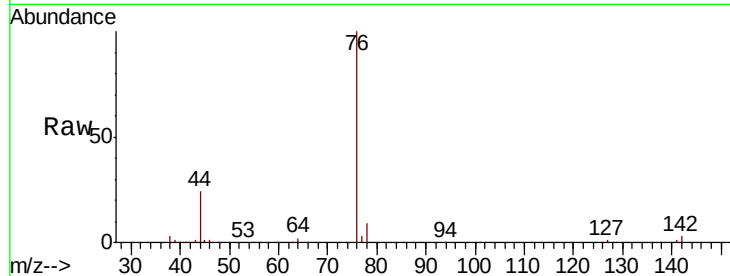
78 9.5 7.4 11.0

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

3.31

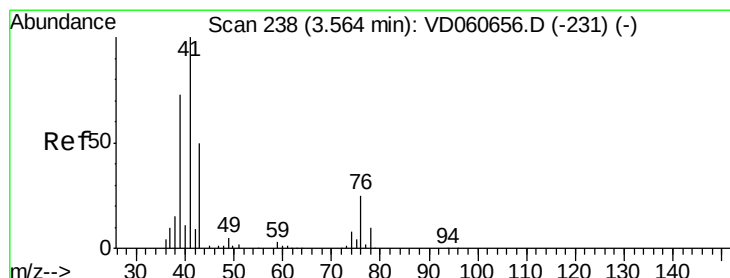
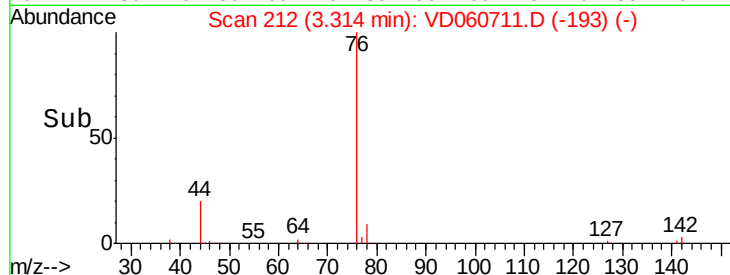
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 19.326 ug/l

RT: 3.55 min Scan# 236

Delta R.T. -0.01 min

Lab File: VD060711.D

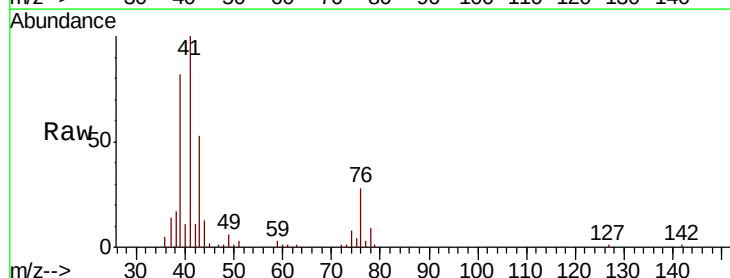
Acq: 26 Dec 2018 11:43

Tgt Ion: 43 Resp: 85688

Ion Ratio Lower Upper

43 100

74 15.9 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

3.55

30000

25000

20000

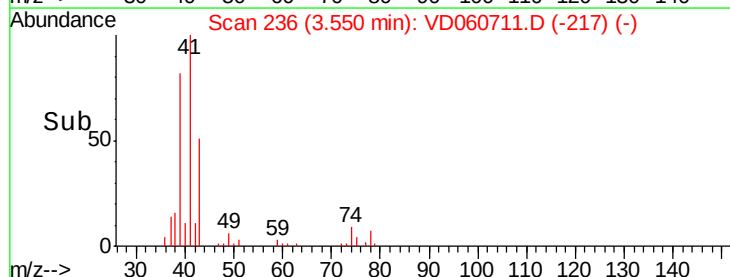
15000

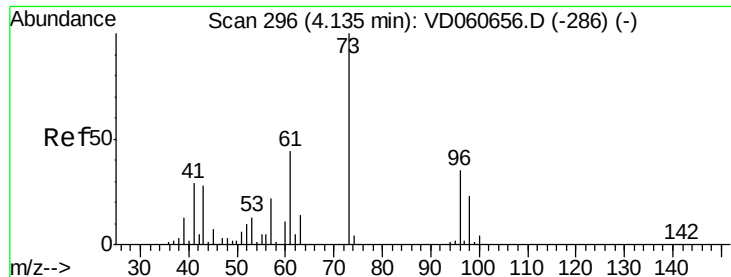
10000

5000

0

Time-->





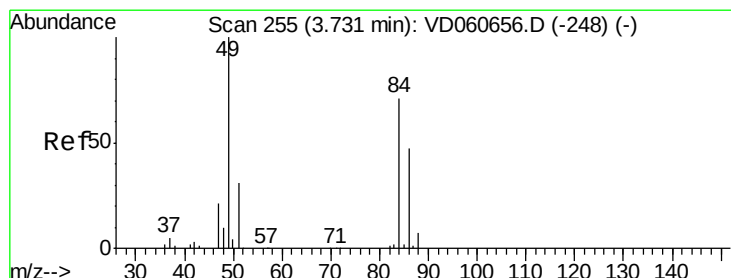
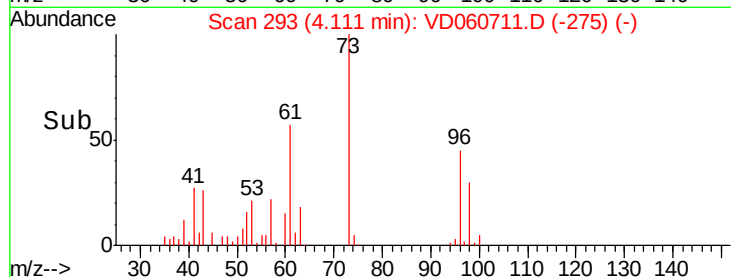
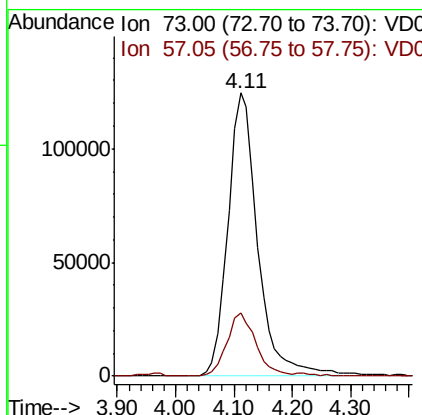
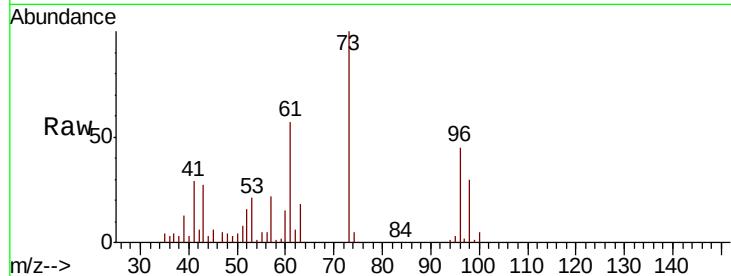
#19
Methyl tert-butyl Ether
Concen: 21.215 ug/l
RT: 4.11 min Scan# 293
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 73 Resp: 441596
Ion Ratio Lower Upper
73 100
57 22.3 17.6 26.4

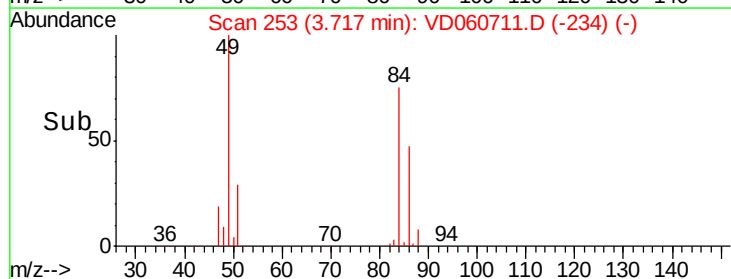
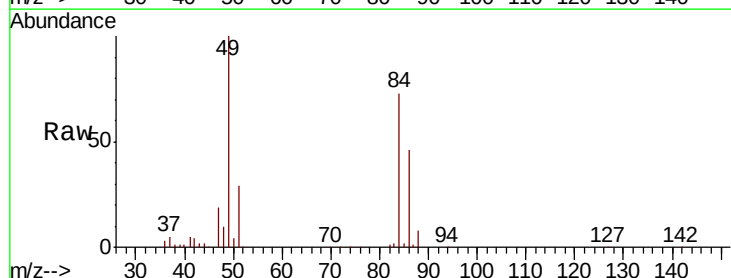
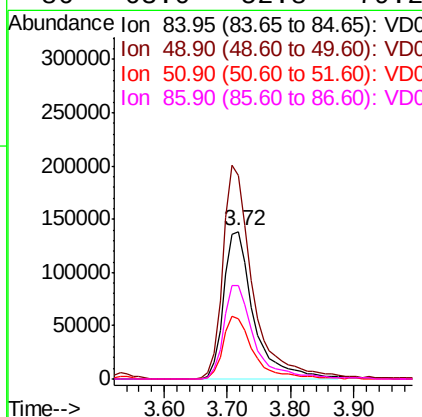
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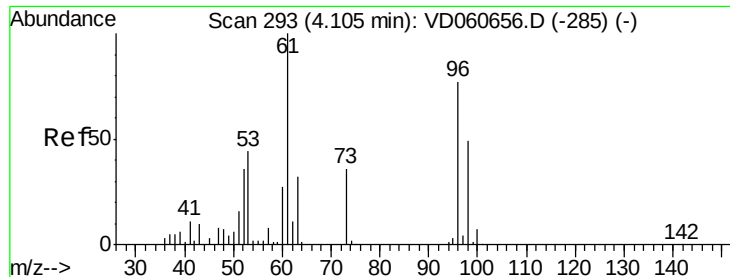
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#20
Methylene Chloride
Concen: 24.751 ug/l
RT: 3.72 min Scan# 253
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion: 84 Resp: 459849
Ion Ratio Lower Upper
84 100
49 137.8 113.6 170.4
51 40.6 34.7 52.1
86 63.0 52.8 79.2





#21

trans-1,2-Dichloroethene

Concen: 19.721 ug/l

RT: 4.09 min Scan# 291

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleID :

VD1226SBS01

Tot Ion: 96 Resp: 331362

Ion Ratio Lower Upper

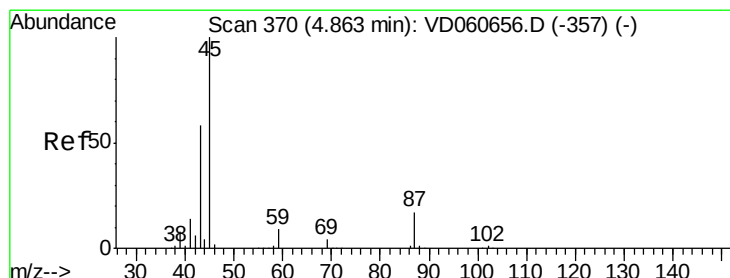
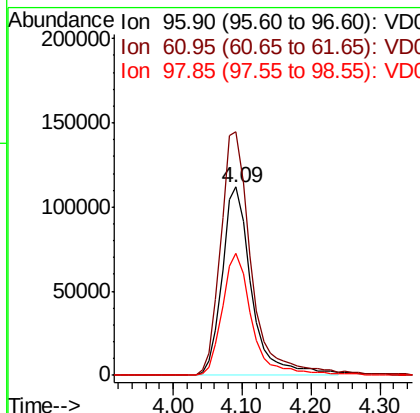
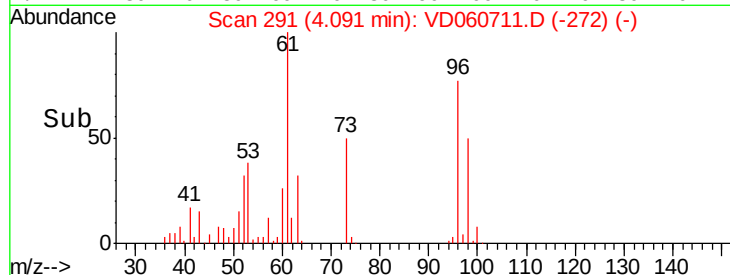
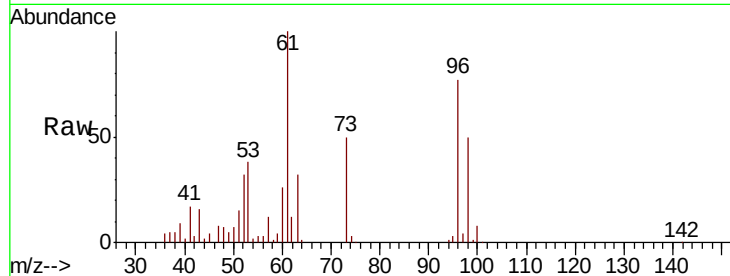
96 100

61 129.3 104.2 156.2

98 64.7 51.2 76.8

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#22

Diisopropyl ether

Concen: 21.232 ug/l

RT: 4.84 min Scan# 367

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Tgt Ion: 45 Resp: 1085275

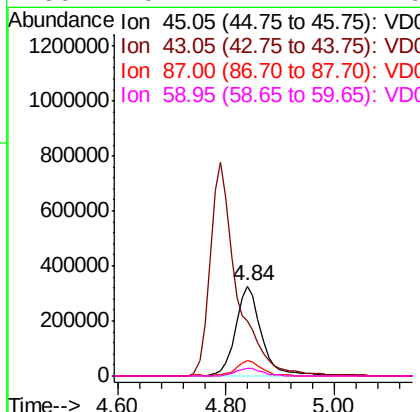
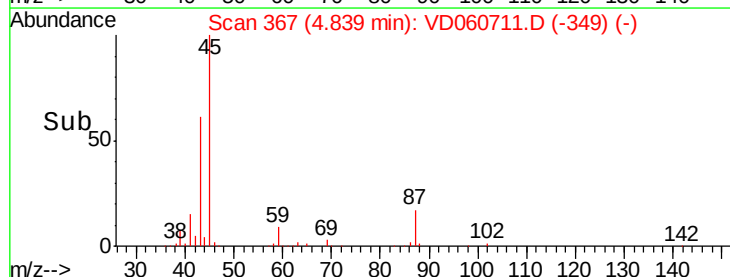
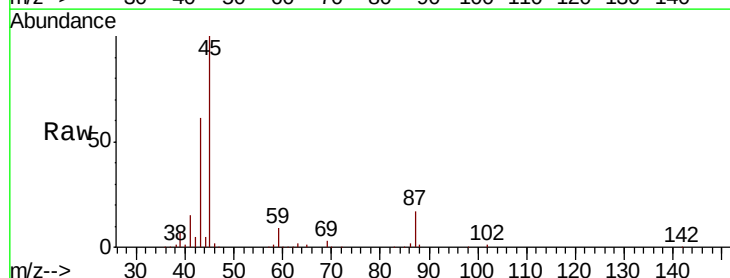
Ion Ratio Lower Upper

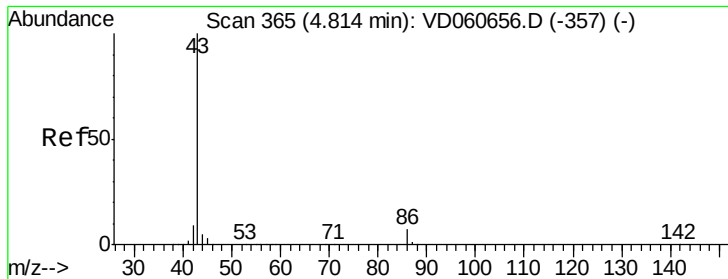
45 100

43 60.8 46.1 69.1

87 17.1 13.7 20.5

59 9.1 7.4 11.0





#23

Vinyl Acetate

Concen: 107.549 ug/l

RT: 4.79 min Scan# 362

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 2659671

Ion Ratio Lower Upper

43 100

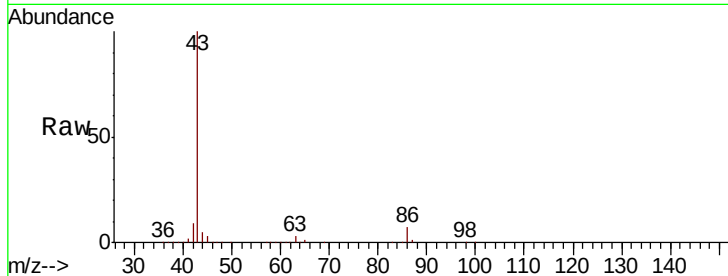
86 6.7 5.6 8.4

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

800000

600000

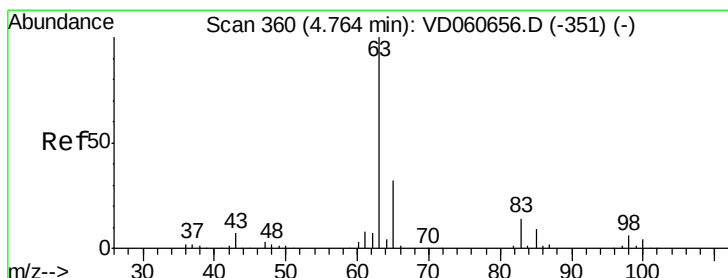
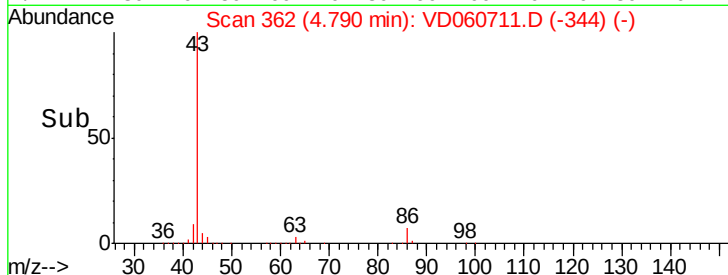
400000

200000

0

4.60 4.70 4.80 4.90 5.00

Time-->



#24

1,1-Dichloroethane

Concen: 21.131 ug/l

RT: 4.74 min Scan# 357

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

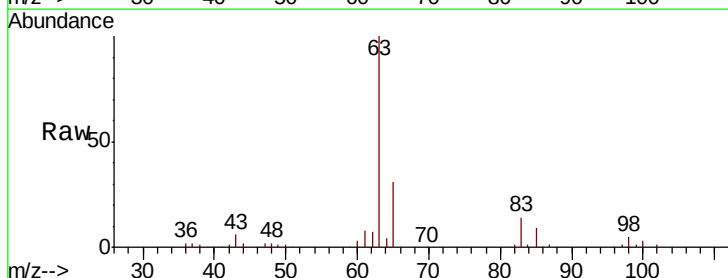
Tgt Ion: 63 Resp: 568125

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.7

100 3.4 2.0 5.8



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

250000

200000

150000

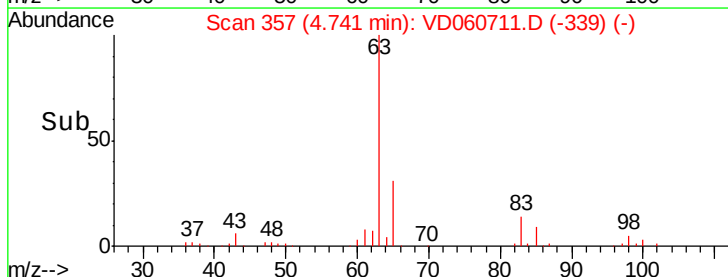
100000

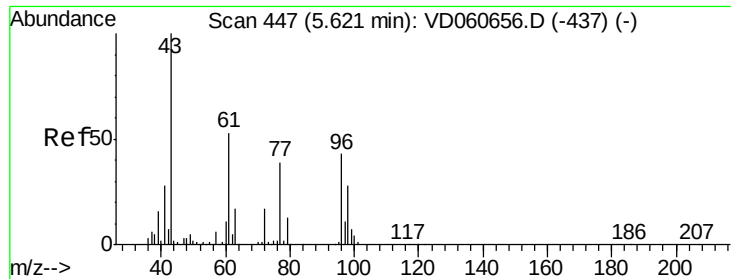
50000

0

4.60 4.70 4.80 4.90

Time-->





#25

2-Butanone

Concen: 104.240 ug/l

RT: 5.61 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 356858

Ion Ratio Lower Upper

43 100

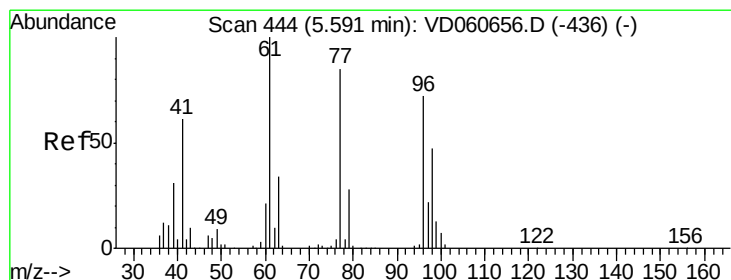
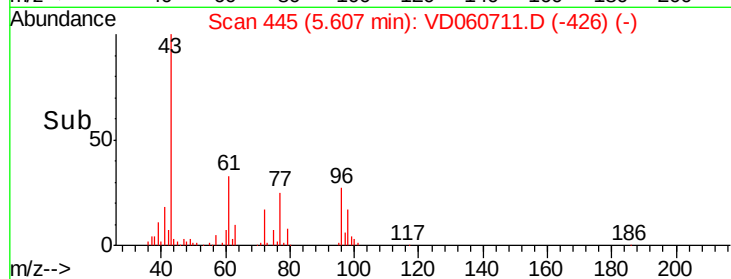
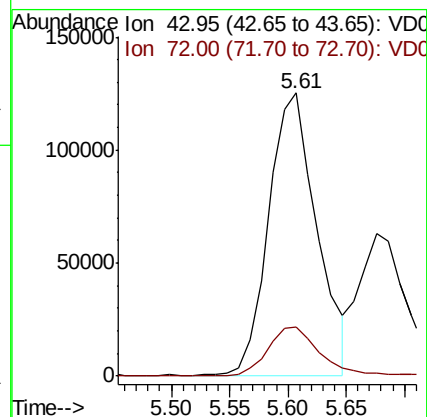
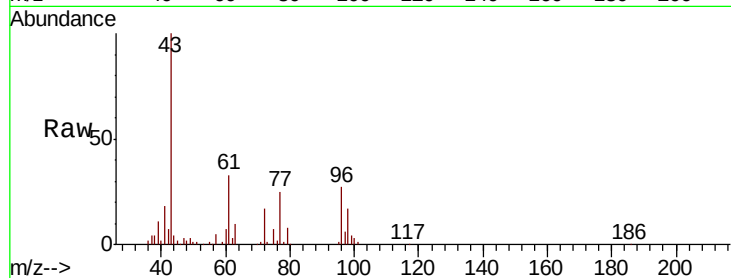
72 17.5 13.7 20.5

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#26

2,2-Dichloropropane

Concen: 20.802 ug/l

RT: 5.57 min Scan# 441

Delta R.T. -0.02 min

Lab File: VD060711.D

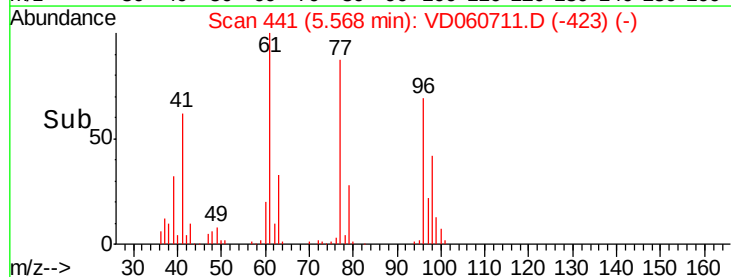
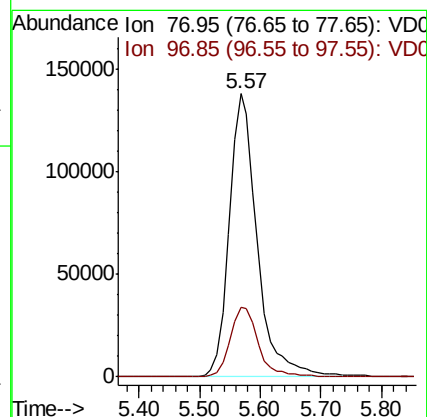
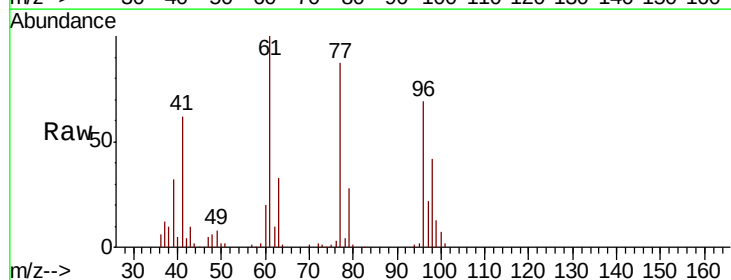
Acq: 26 Dec 2018 11:43

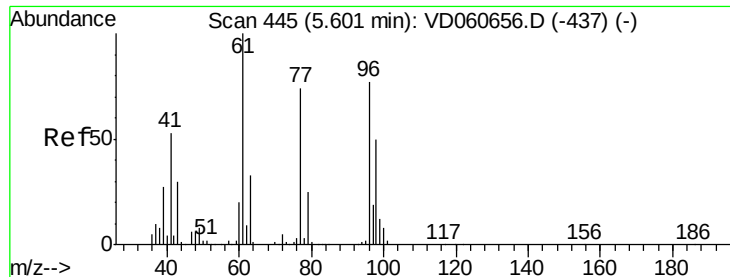
Tgt Ion: 77 Resp: 441474

Ion Ratio Lower Upper

77 100

97 24.8 13.0 39.0





#27

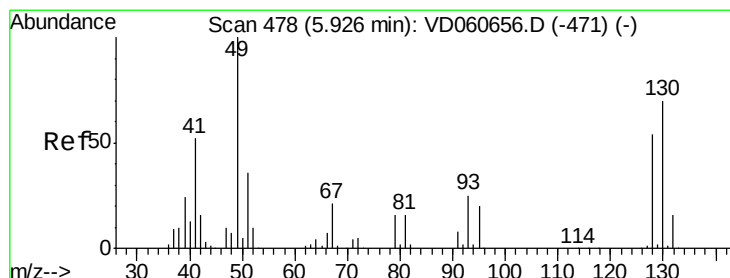
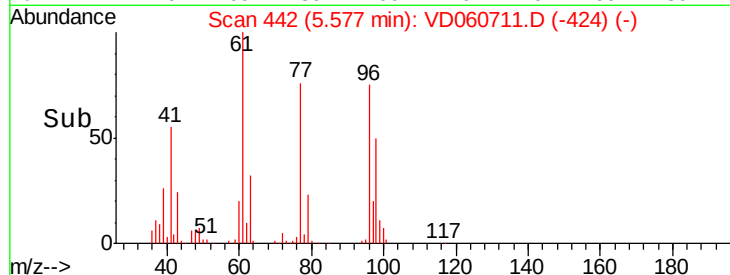
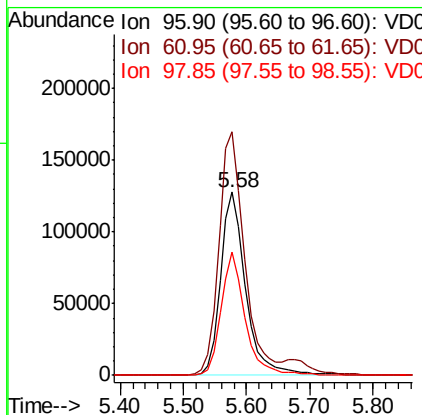
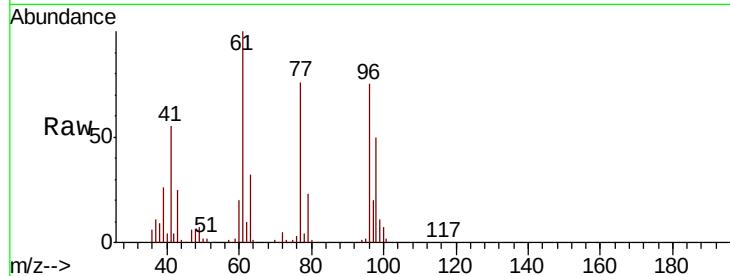
cis-1,2-Dichloroethene
 Concen: 20.720 ug/l
 RT: 5.58 min Scan# 442
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	353421		
61	133.1	0.0	259.4	
98	67.2	0.0	130.0	

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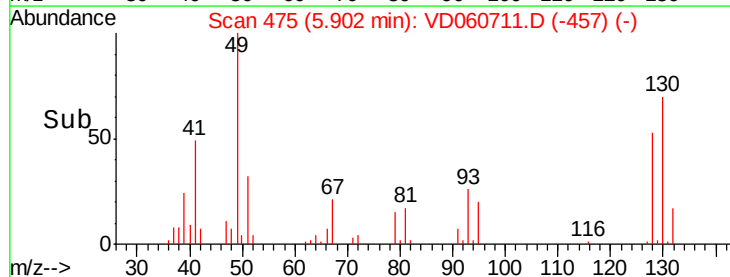
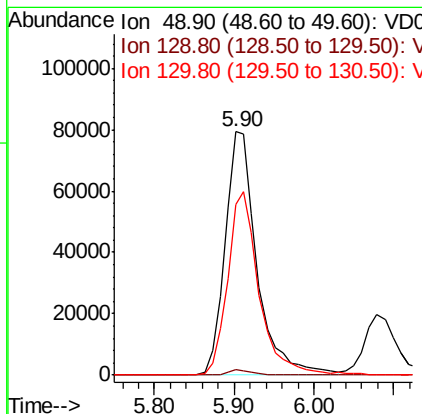
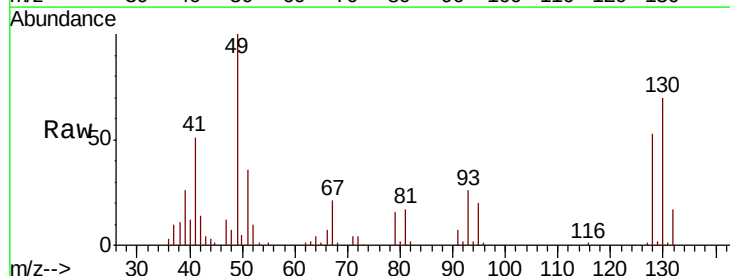
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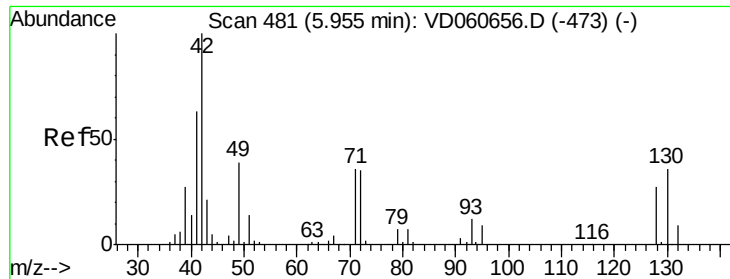


#28

Bromochloromethane
 Concen: 19.550 ug/l
 RT: 5.90 min Scan# 475
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	222053		
129	2.3	0.0	3.4	
130	70.1	56.2	84.2	





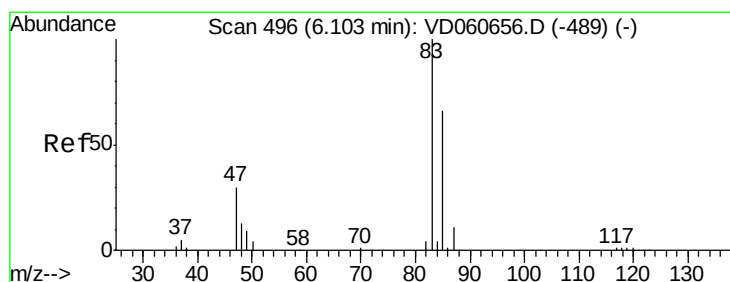
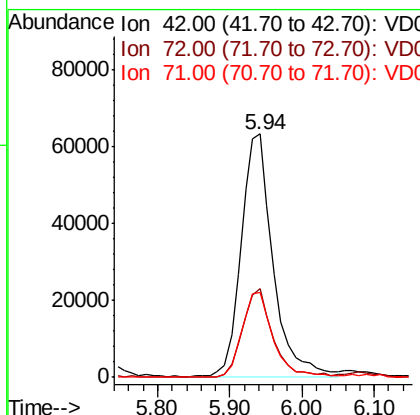
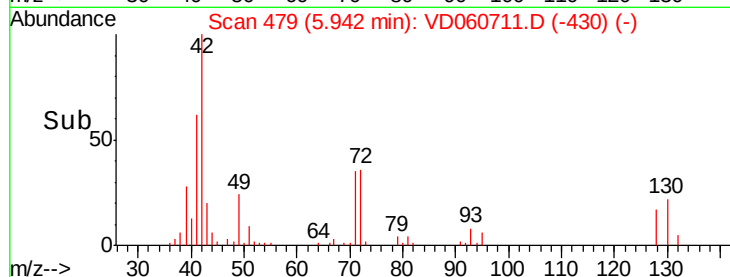
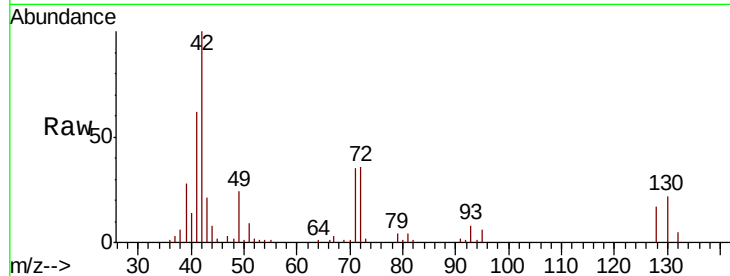
#29
Tetrahydrofuran
Concen: 101.270 ug/l
RT: 5.94 min Scan# 479
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.5	28.0	42.0
71	34.3	27.0	40.6

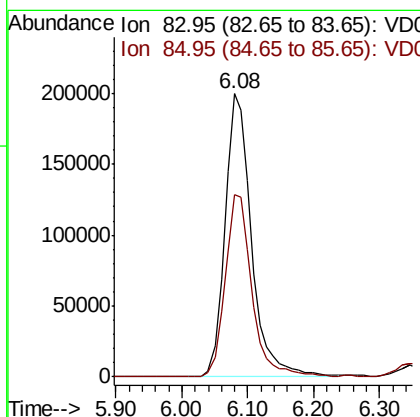
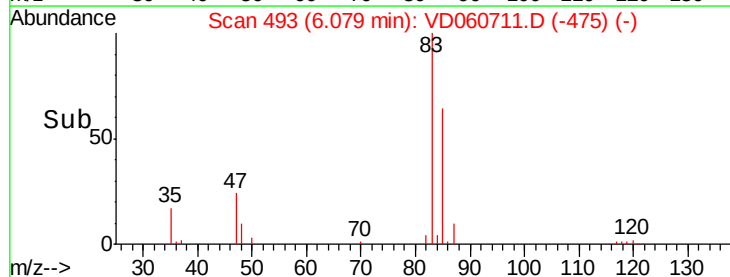
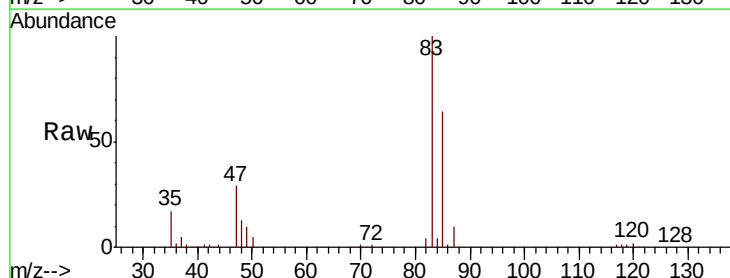
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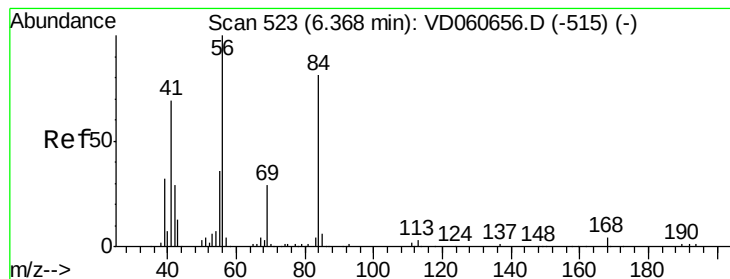
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#30
Chloroform
Concen: 20.776 ug/l
RT: 6.08 min Scan# 493
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	53.0	79.6





#31

Cyclohexane

Concen: 20.065 ug/l

RT: 6.34 min Scan# 520

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

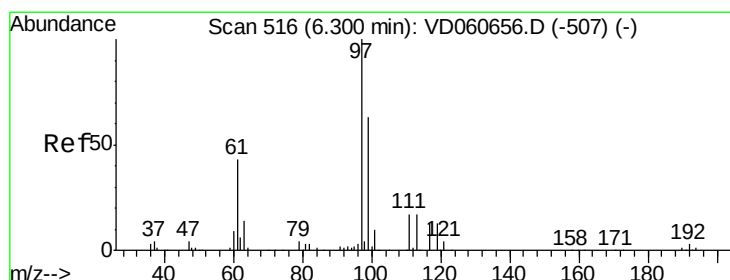
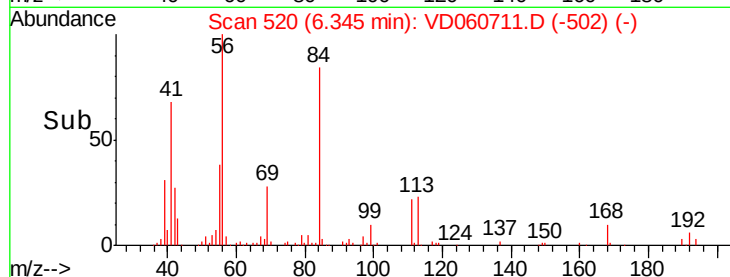
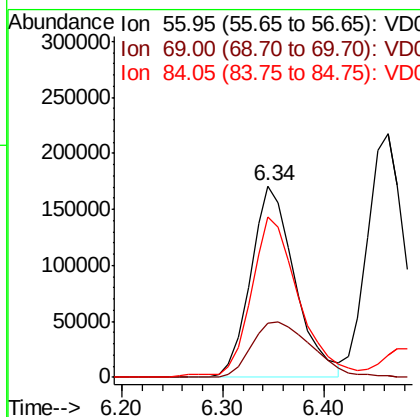
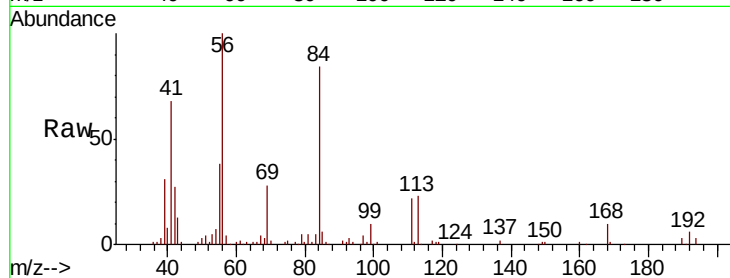
ClientSampleId :

VD1226SBS01

Tot Ion:	56	Resp:	519161
Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.6	35.4
84	83.6	65.8	98.6

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#32

1,1,1-Trichloroethane

Concen: 20.709 ug/l

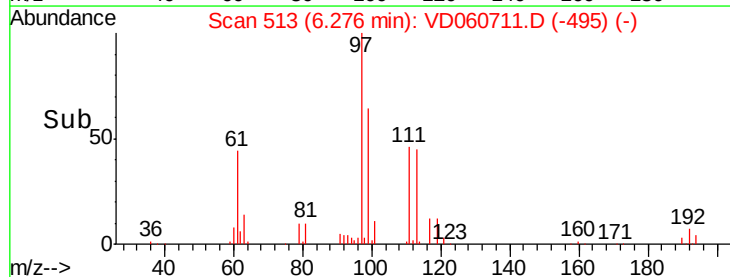
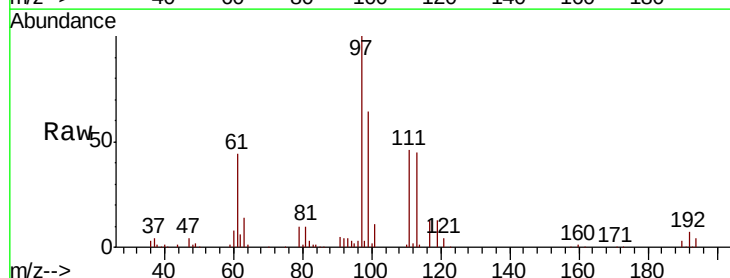
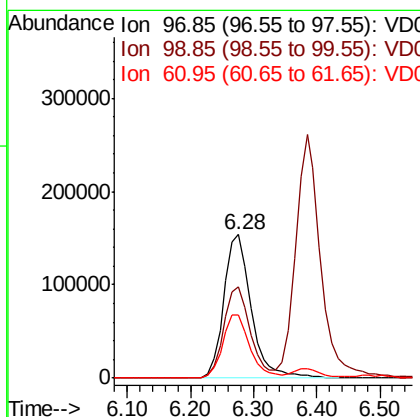
RT: 6.28 min Scan# 513

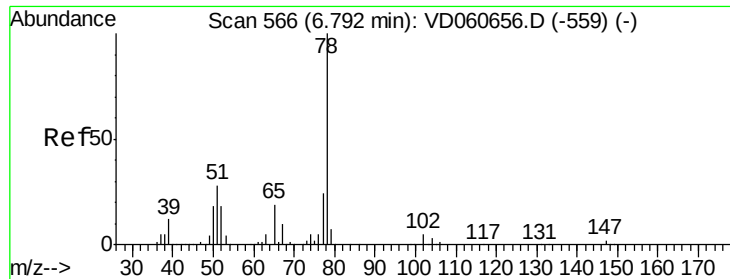
Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Tgt Ion:	97	Resp:	463511
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.5	75.7
61	44.3	34.6	51.8





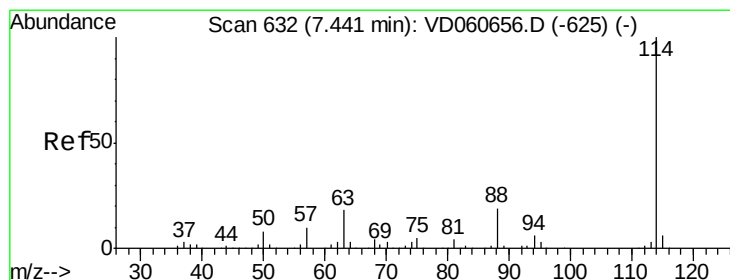
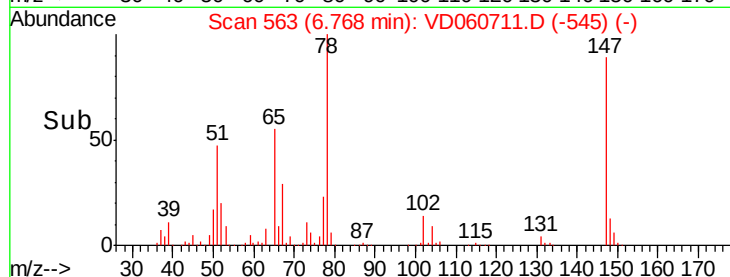
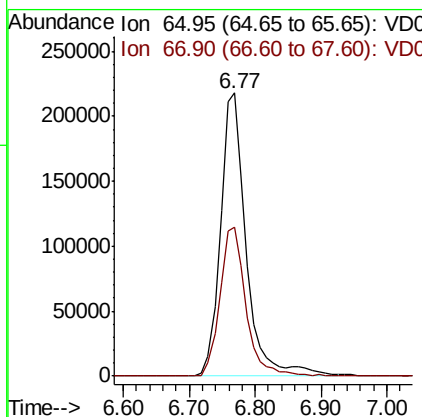
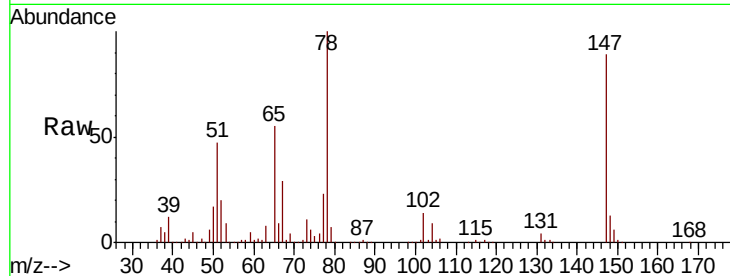
#33
 1,2-Dichloroethane-d4
 Concen: 20.709 ug/l
 RT: 6.77 min Scan# 563
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.7	0.0	105.4	

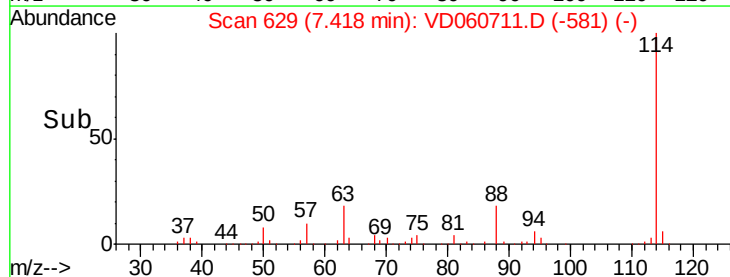
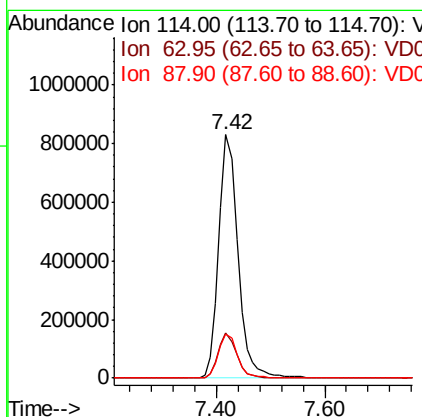
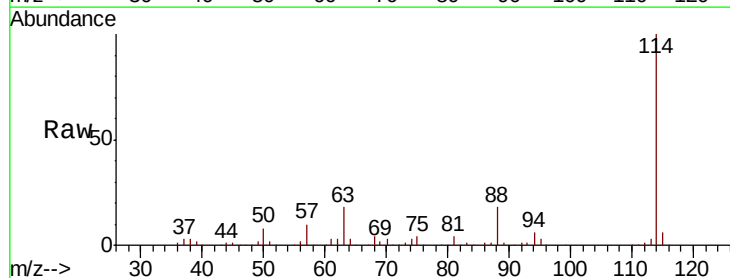
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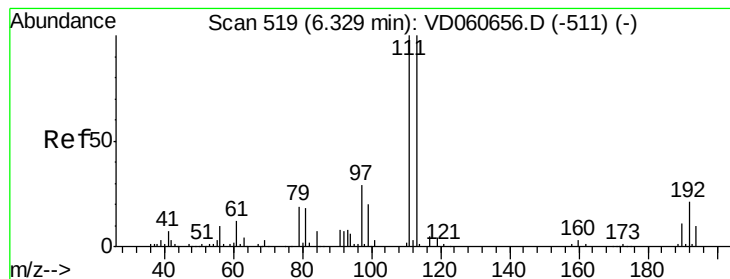
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.42 min Scan# 629
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	18.5	0.0	36.2	
88	17.9	0.0	37.0	





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.31 min Scan# 516

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

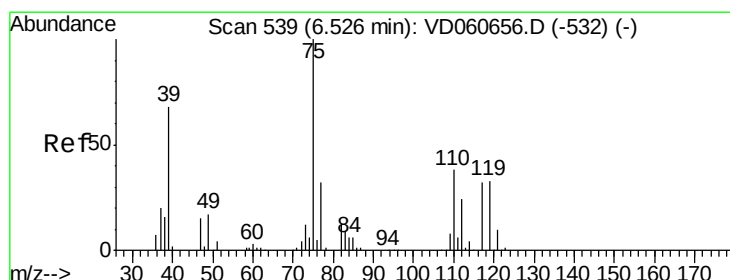
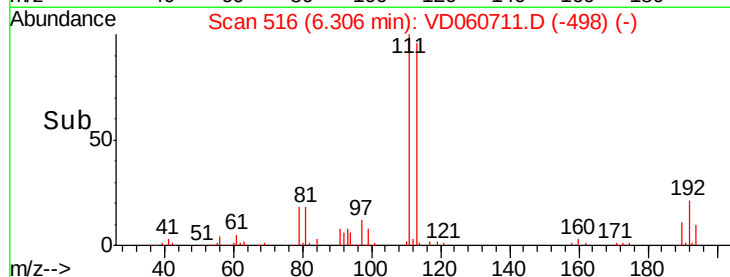
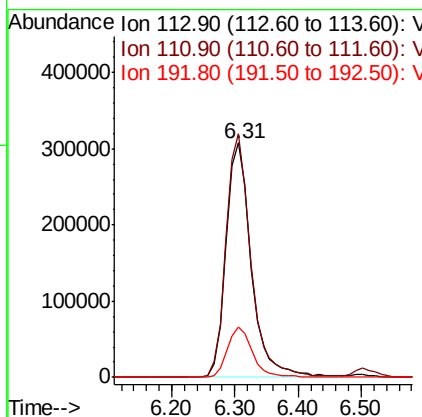
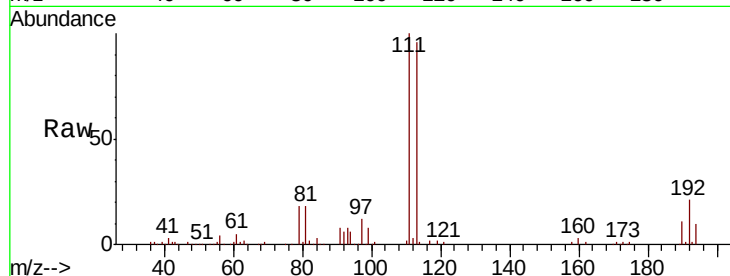
ClientSampleId :

VD1226SBS01

Tot Ion:	113	Resp:	852000
Ion Ratio	Lower	Upper	
113	100		
111	103.8	80.0	120.0
192	21.5	16.6	25.0

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#36

1,1-Dichloropropene

Concen: 20.348 ug/l

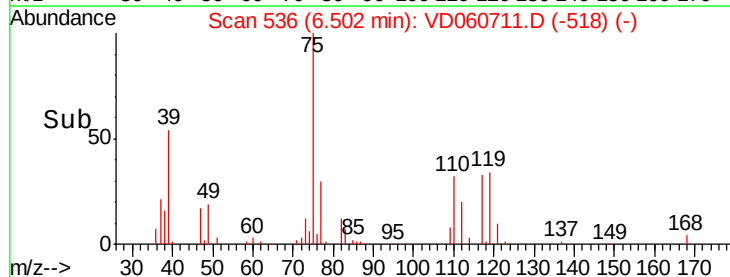
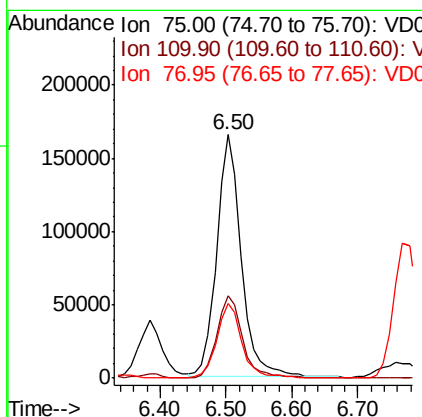
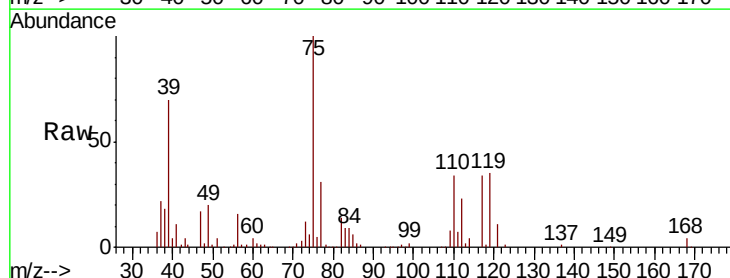
RT: 6.50 min Scan# 536

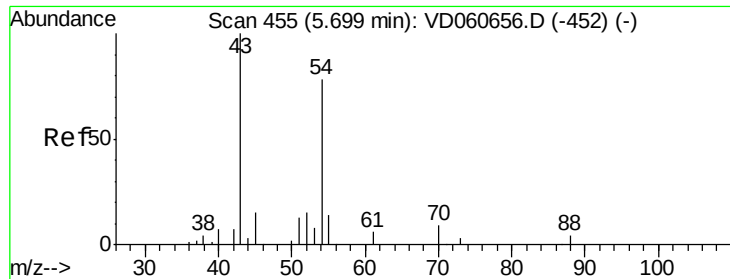
Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Tgt Ion:	75	Resp:	429747
Ion Ratio	Lower	Upper	
75	100		
110	33.9	18.9	56.7
77	30.5	25.4	38.0





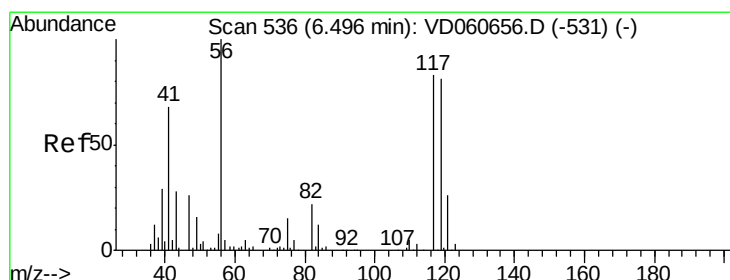
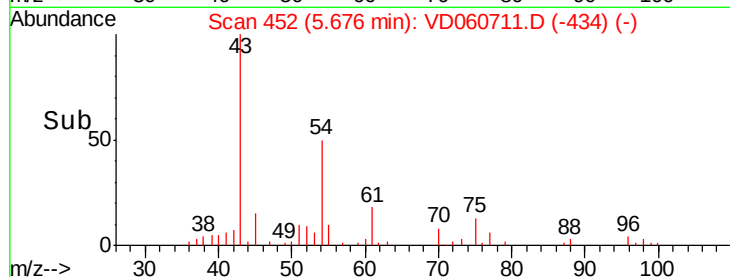
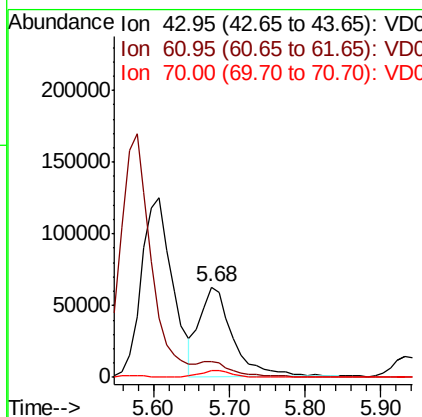
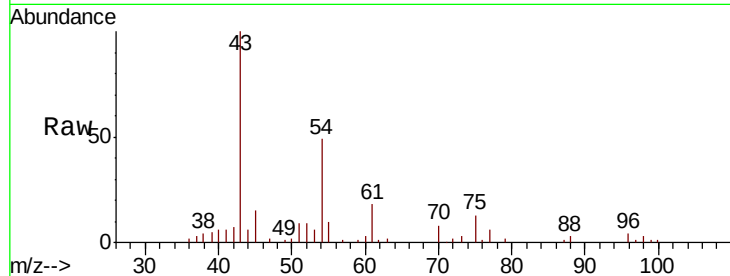
#37
Ethyl Acetate
Concen: 21.082 ug/l
RT: 5.68 min Scan# 452
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	18.0	11.8	17.6#
70	8.2	5.8	8.6

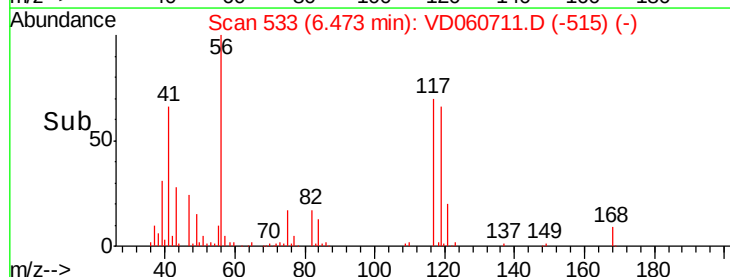
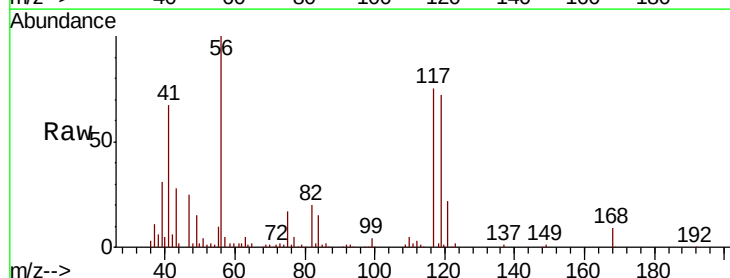
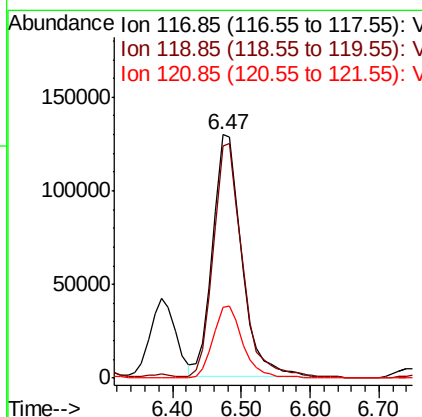
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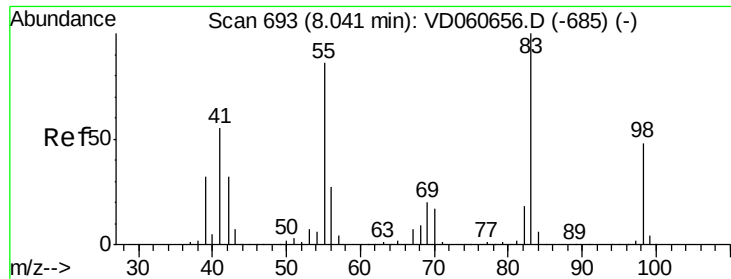
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#38
Carbon Tetrachloride
Concen: 20.462 ug/l
RT: 6.47 min Scan# 533
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.0	115.4
121	28.9	24.7	37.1





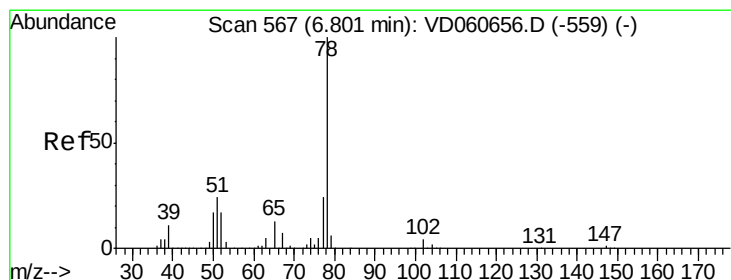
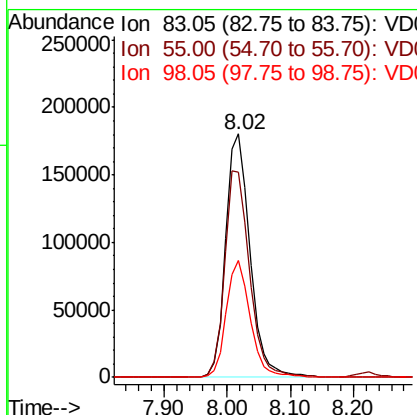
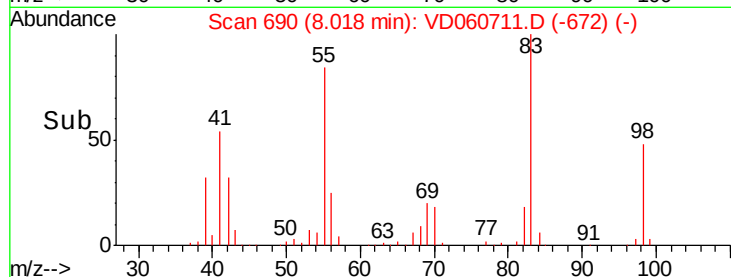
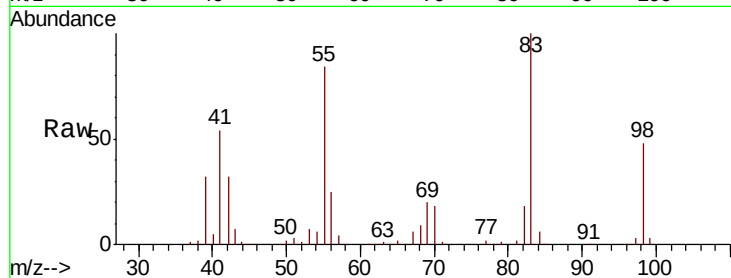
#39
Methylvlcyclohexane
Concen: 20.020 ug/l
RT: 8.02 min Scan# 690
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	84.2	68.6	102.8
98	48.3	38.1	57.1

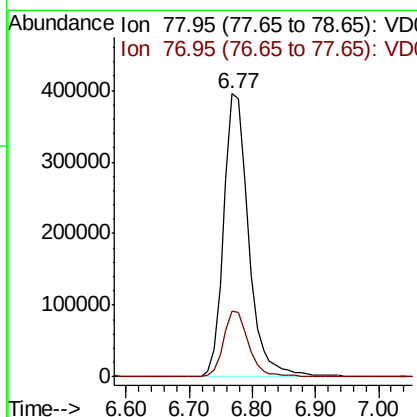
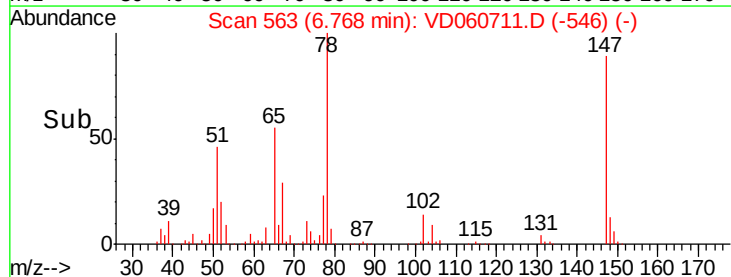
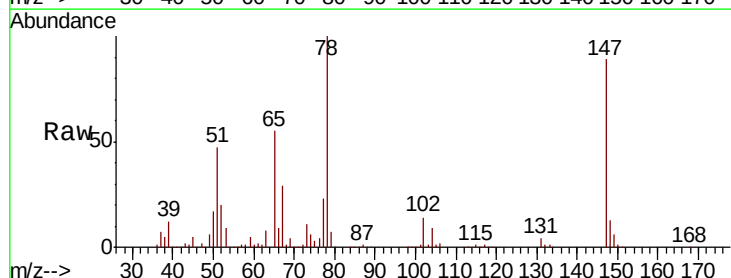
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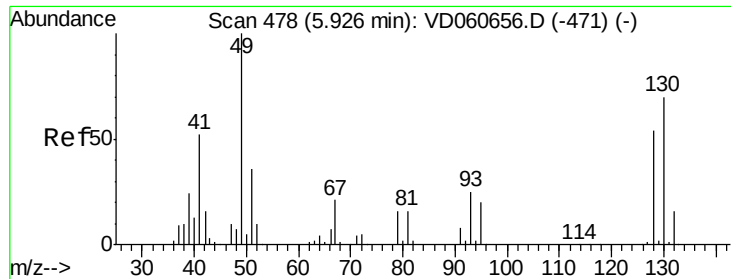
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#40
Benzene
Concen: 19.971 ug/l
RT: 6.77 min Scan# 563
Delta R.T. -0.03 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.2	28.8





#41

Methacrylonitrile

Concen: 24.575 ug/l m

RT: 5.92 min Scan# 477

Delta R.T. -0.00 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 41 Resp: 120067
Ion Ratio Lower Upper

41 100

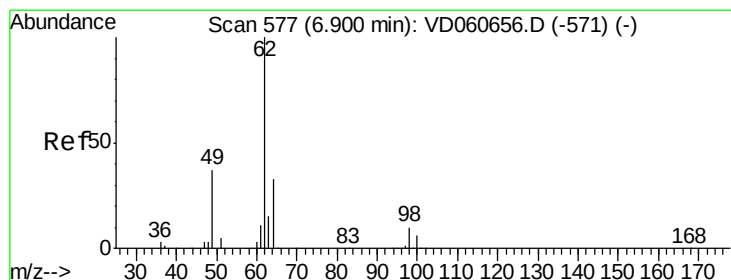
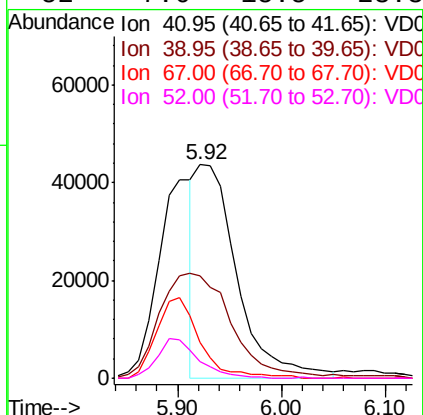
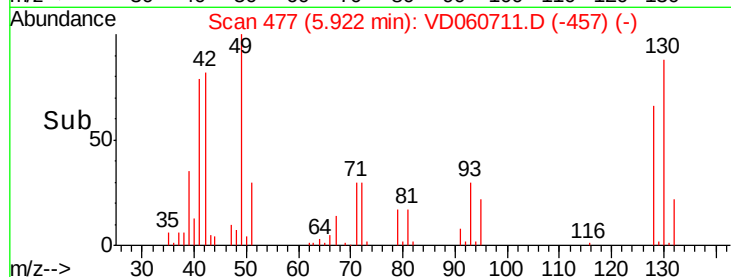
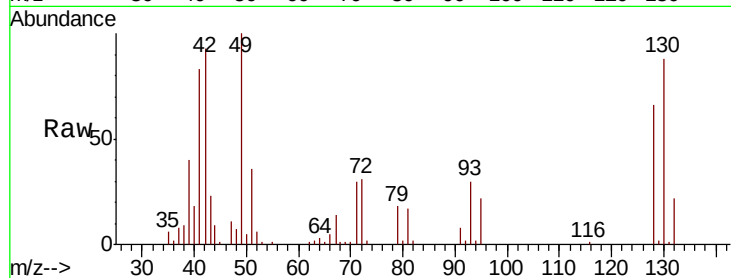
39 47.9 37.6 56.4

67 16.6 33.0 49.6#

52 7.6 15.5 23.3#

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#42

1,2-Dichloroethane

Concen: 20.520 ug/l

RT: 6.87 min Scan# 573

Delta R.T. -0.03 min

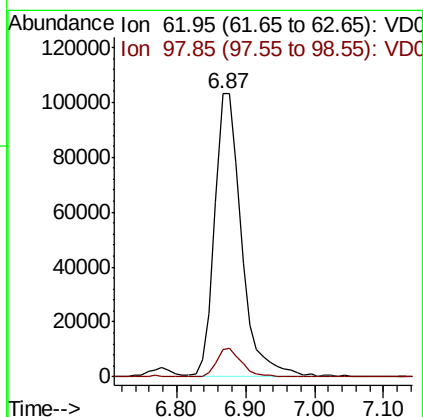
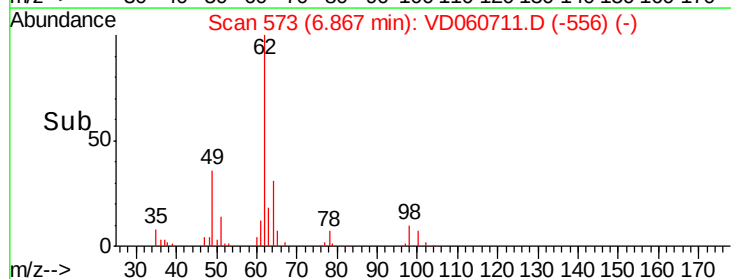
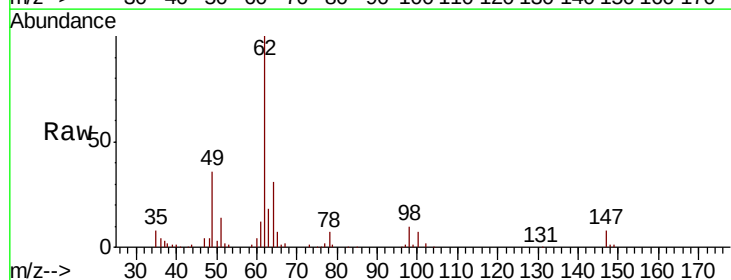
Lab File: VD060711.D

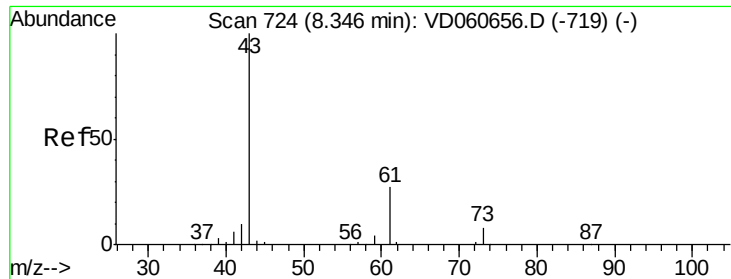
Acq: 26 Dec 2018 11:43

Tgt Ion: 62 Resp: 277803
Ion Ratio Lower Upper

62 100

98 9.9 0.0 20.4





#43

Isopropyl Acetate

Concen: 19.547 ug/l

RT: 8.32 min Scan# 721

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

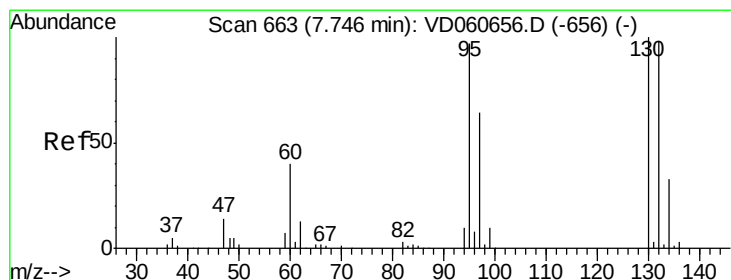
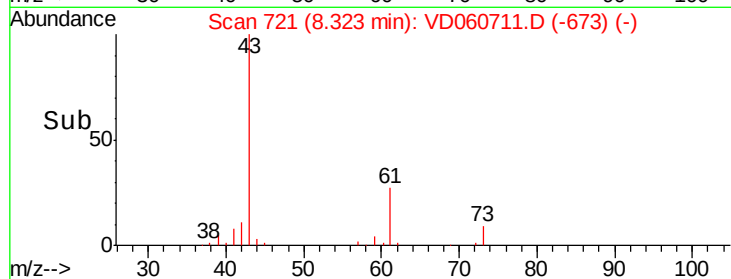
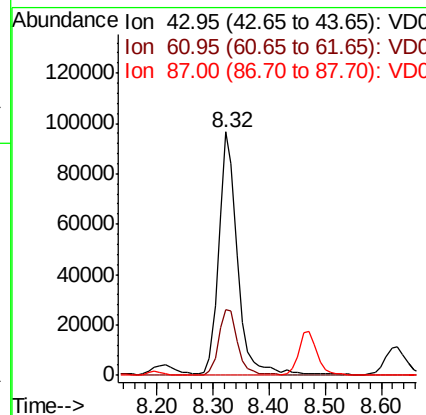
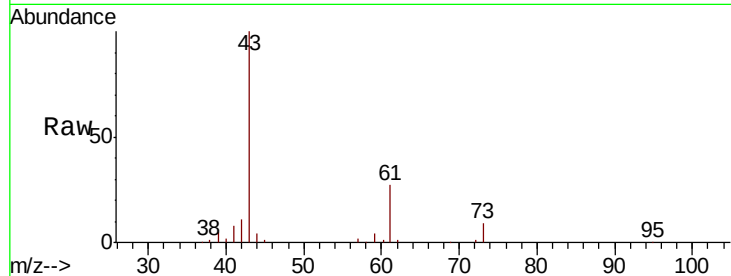
ClientSampleId :

VD1226SBS01

Tot Ion:	43	Resp:	221567
Ion Ratio	Lower	Upper	
43	100		
61	27.0	21.8	32.8
87	0.0	0.2	0.4#

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#44

Trichloroethene

Concen: 20.004 ug/l

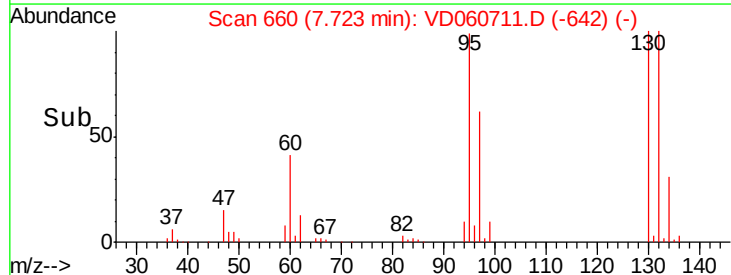
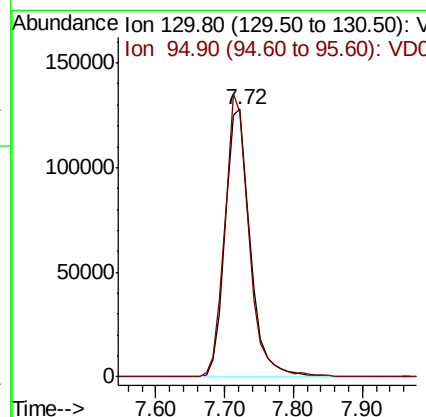
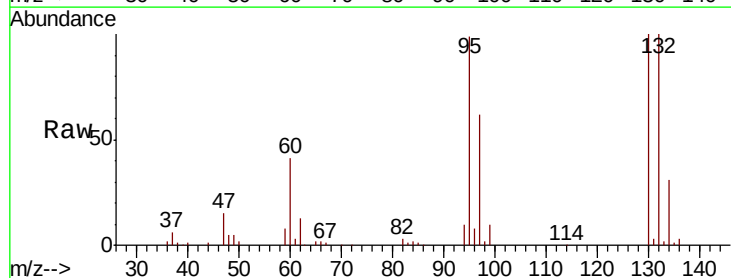
RT: 7.72 min Scan# 660

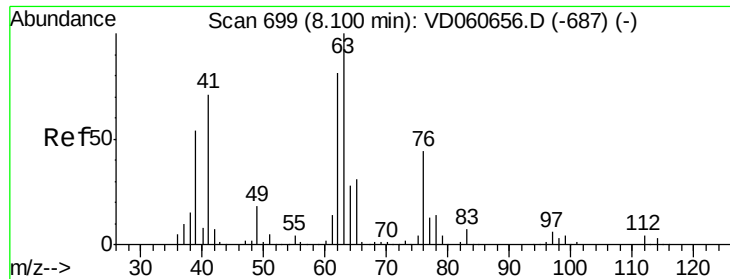
Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Tgt Ion:	130	Resp:	323006
Ion Ratio	Lower	Upper	
130	100		
95	98.8	0.0	193.6





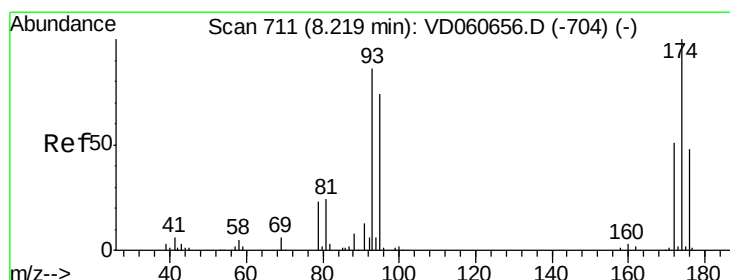
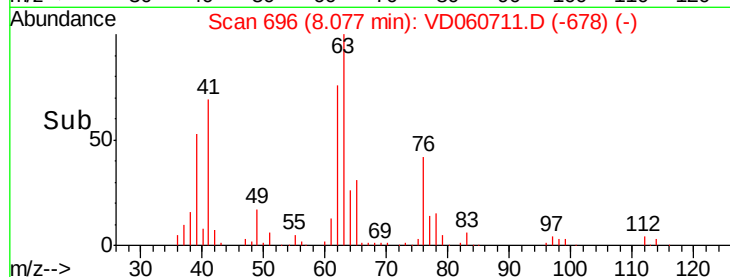
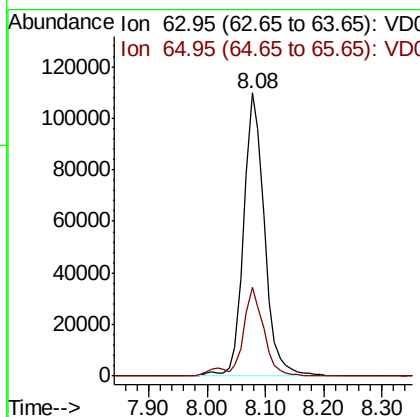
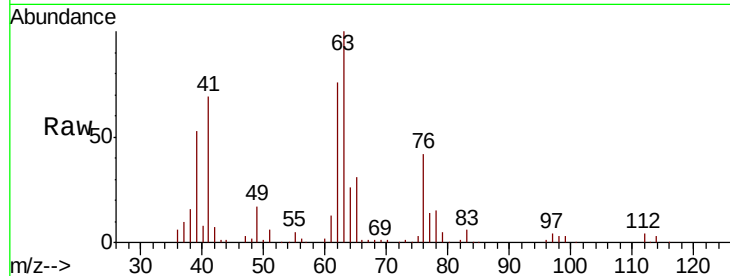
#45
 1,2-Dichloropropane
 Concen: 20.567 ug/l
 RT: 8.08 min Scan# 696
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion: 63 Resp: 275165
 Ion Ratio Lower Upper
 63 100
 65 31.3 25.0 37.6

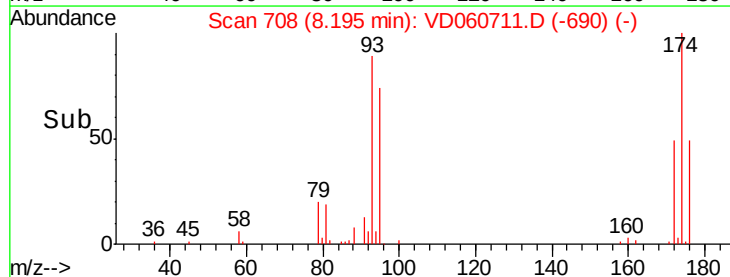
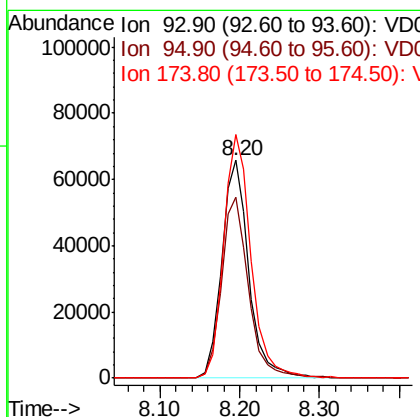
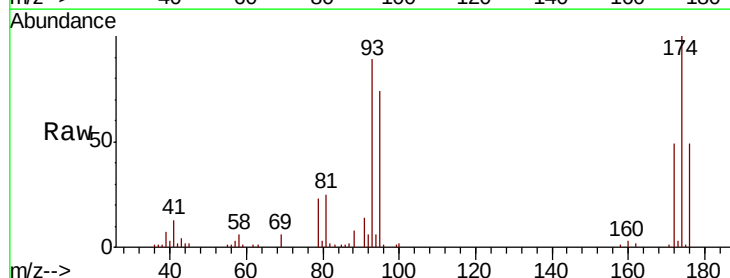
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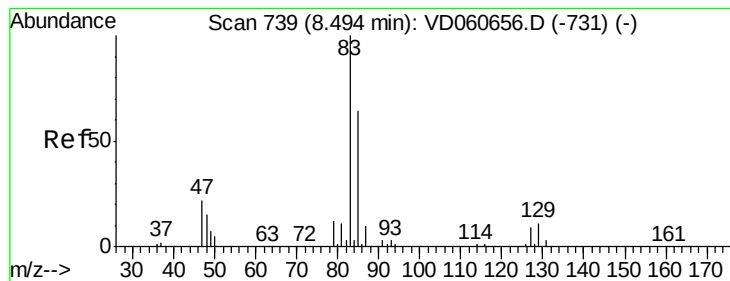
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#46
 Dibromomethane
 Concen: 20.491 ug/l
 RT: 8.20 min Scan# 708
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion: 93 Resp: 156466
 Ion Ratio Lower Upper
 93 100
 95 83.0 68.8 103.2
 174 111.8 93.0 139.4





#47

Bromodichloromethane

Concen: 20.459 ug/l

RT: 8.47 min Scan# 736

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

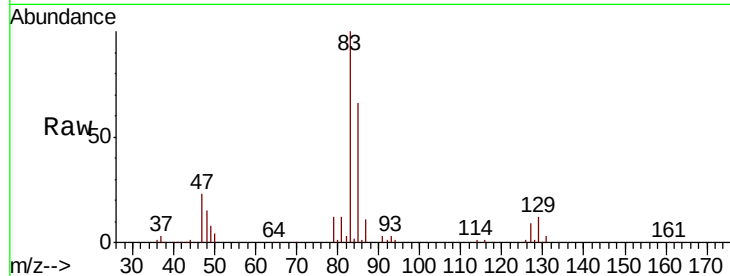
ClientSampleId :

VD1226SBS01

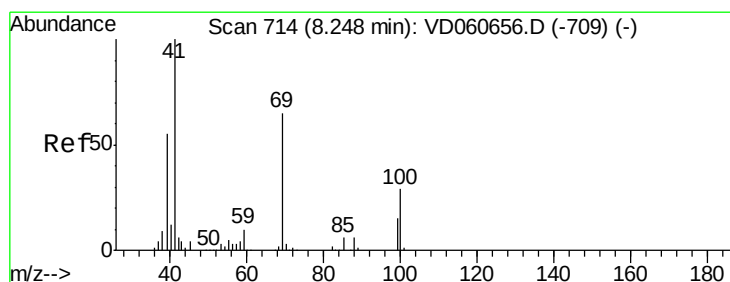
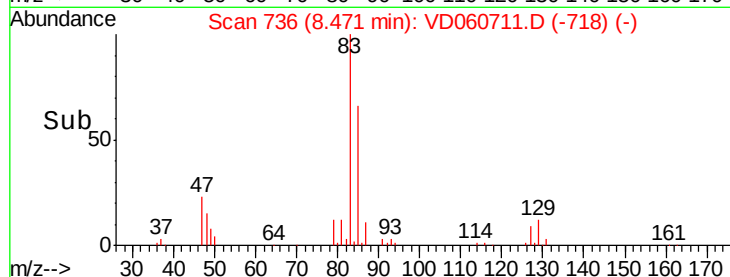
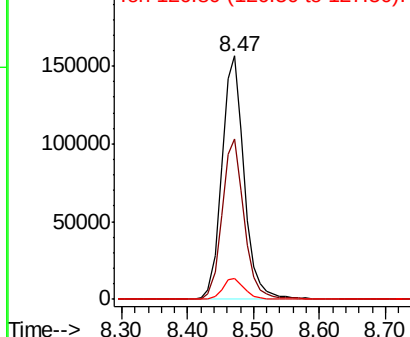
Tot Ion:	83	Resp:	370002
Ion Ratio	Lower	Upper	
83	100		
85	66.0	51.1	76.7
127	8.7	7.0	10.6

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Abundance Ion 82.85 (82.55 to 83.55): VDC
Ion 84.95 (84.65 to 85.65): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 19.897 ug/l

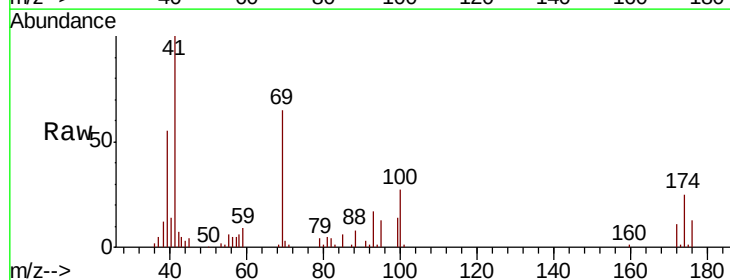
RT: 8.22 min Scan# 711

Delta R.T. -0.02 min

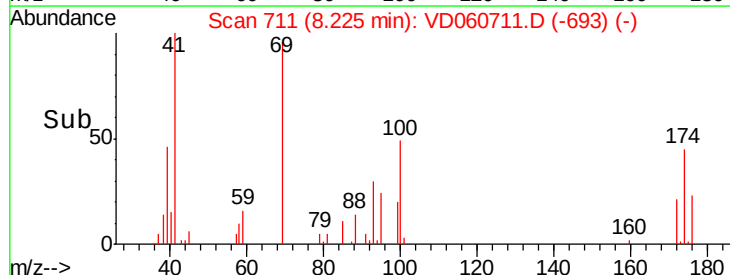
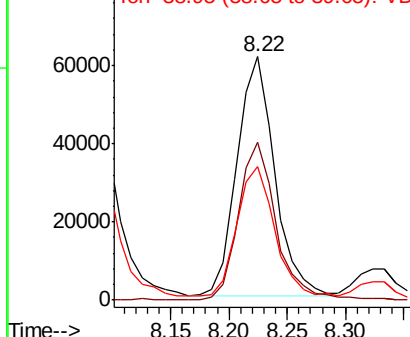
Lab File: VD060711.D

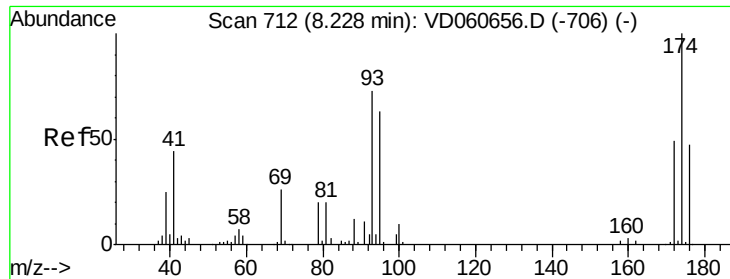
Acq: 26 Dec 2018 11:43

Tgt Ion:	41	Resp:	136984
Ion Ratio	Lower	Upper	
41	100		
69	64.8	51.2	76.8
39	54.9	44.6	67.0



Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 38.95 (38.65 to 39.65): VDC





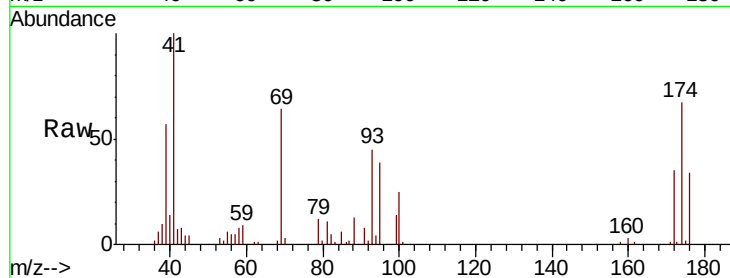
#49
1,4-Dioxane
Concen: 372.711 ug/l
RT: 8.21 min Scan# 710
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

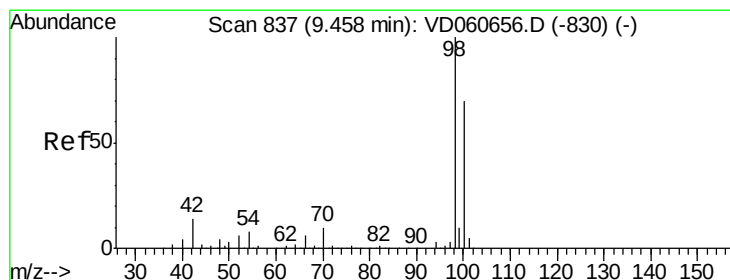
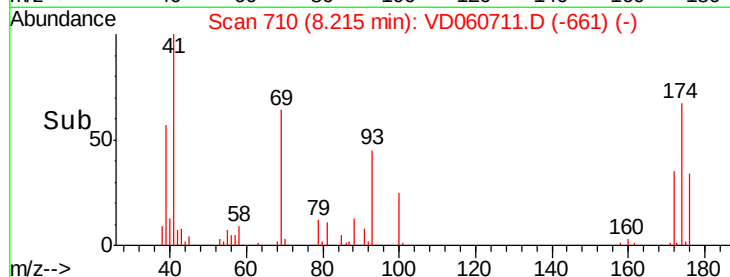
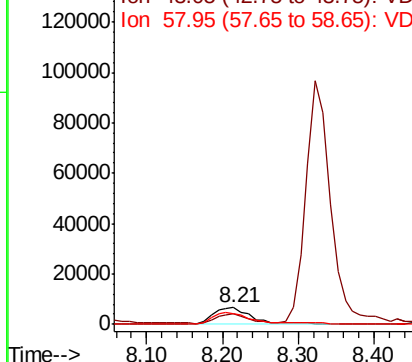
Tot Ion	Ratio	Lower	Upper
88	100		
43	64.8	31.5	47.3#
58	66.4	50.6	76.0

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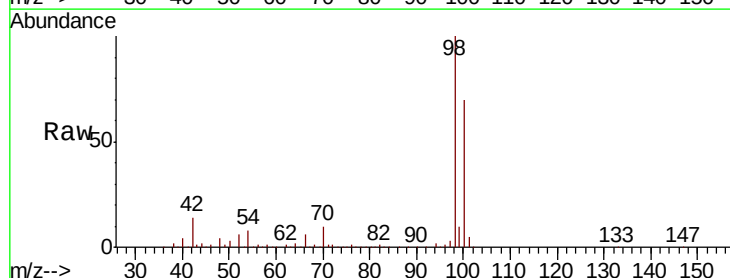


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.05 (42.75 to 43.75): VDC
Ion 57.95 (57.65 to 58.65): VDC

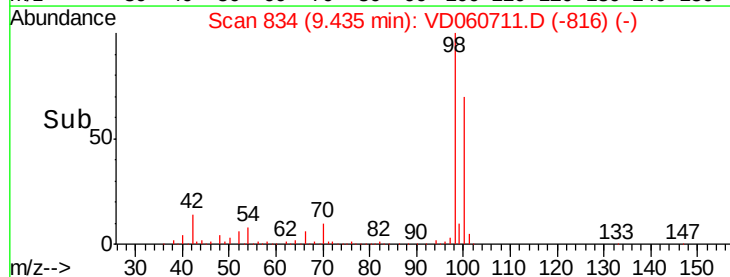
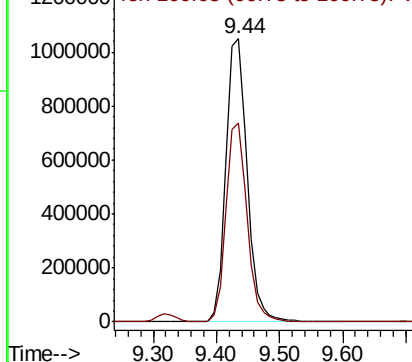


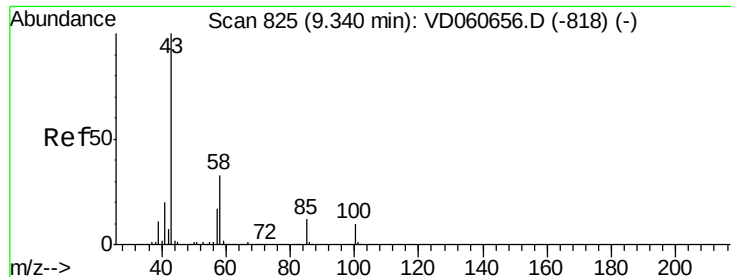
#50
Toluene-d8
Concen: 372.711 ug/l
RT: 9.44 min Scan# 834
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
98	100		
100	70.4	55.8	83.8



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





#51

4-Methyl-2-Pentanone

Concen: 102.325 ug/l

RT: 9.32 min Scan# 822

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 43 Resp: 710622

Ion Ratio Lower Upper

43 100

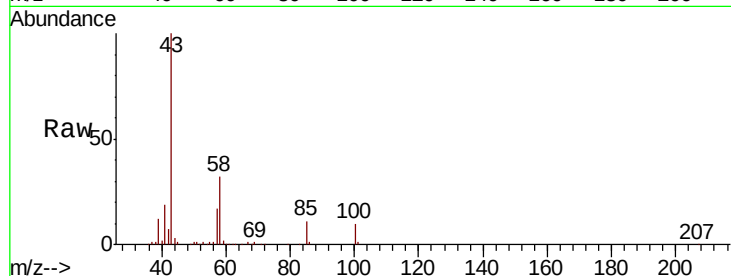
58 32.0 26.3 39.5

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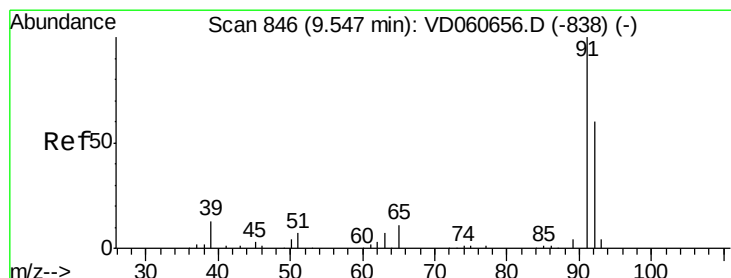
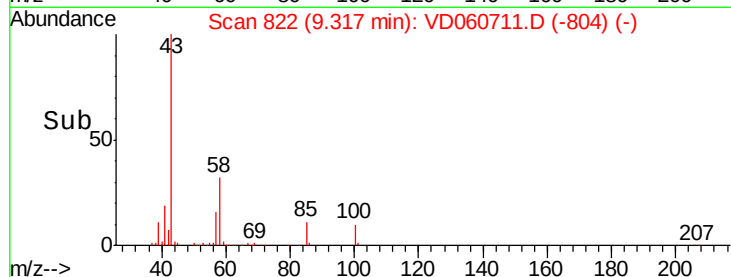
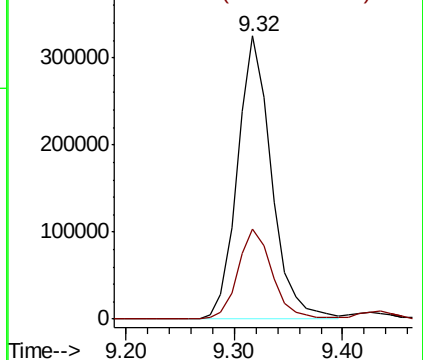
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 20.377 ug/l

RT: 9.52 min Scan# 843

Delta R.T. -0.02 min

Lab File: VD060711.D

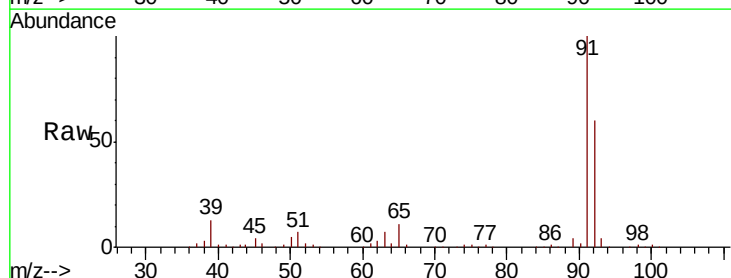
Acq: 26 Dec 2018 11:43

Tgt Ion: 92 Resp: 696887

Ion Ratio Lower Upper

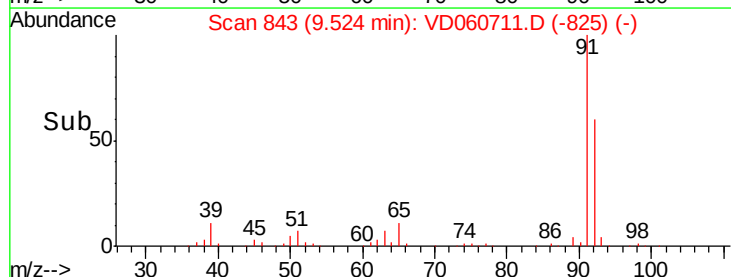
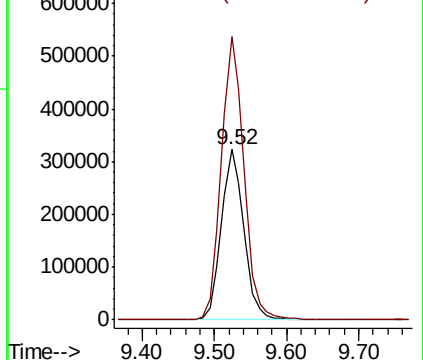
92 100

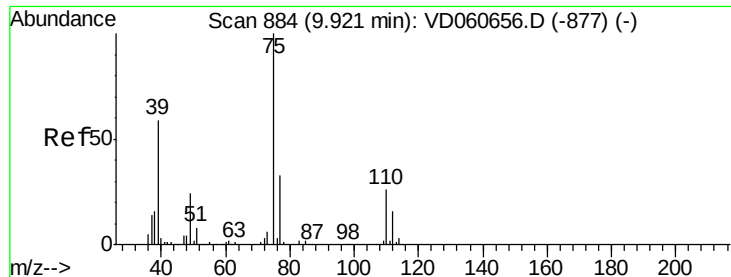
91 165.9 132.6 199.0



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





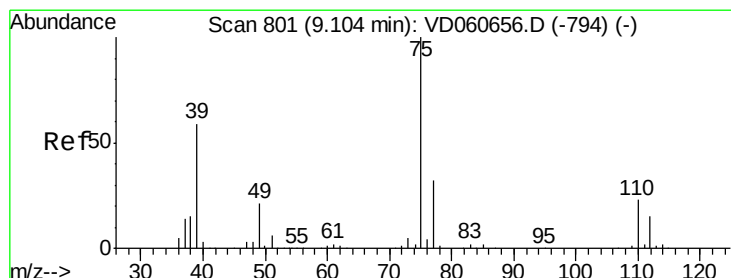
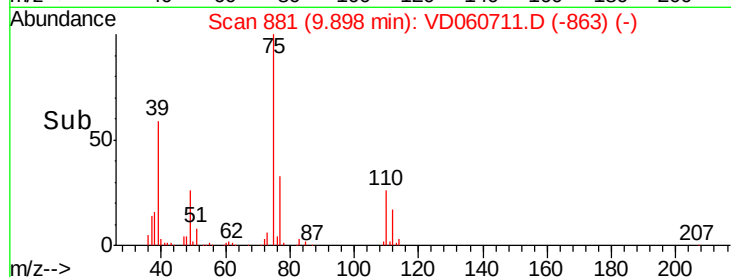
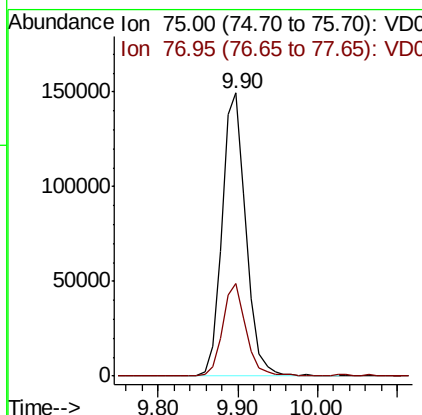
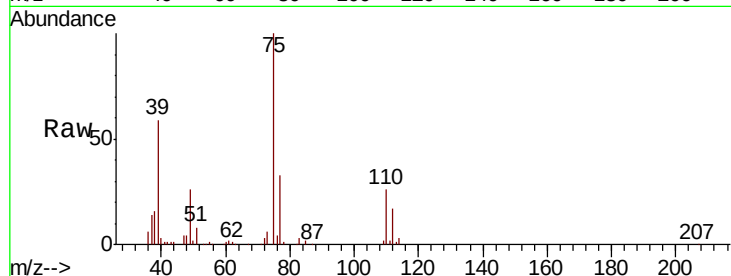
#53
t-1,3-Dichloropropene
Concen: 20.848 ug/l
RT: 9.90 min Scan# 881
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 75 Resp: 314561
Ion Ratio Lower Upper
75 100
77 32.6 26.0 39.0

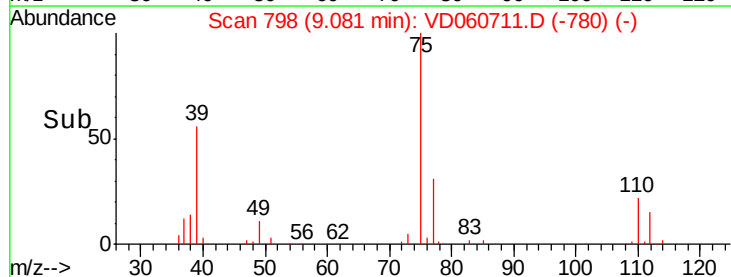
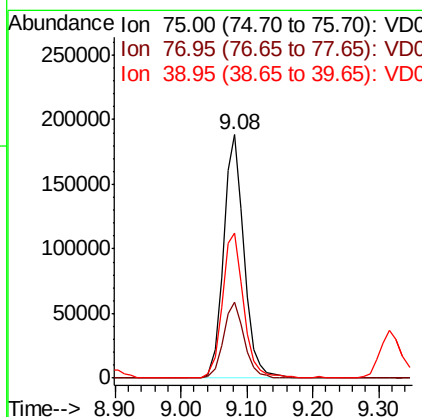
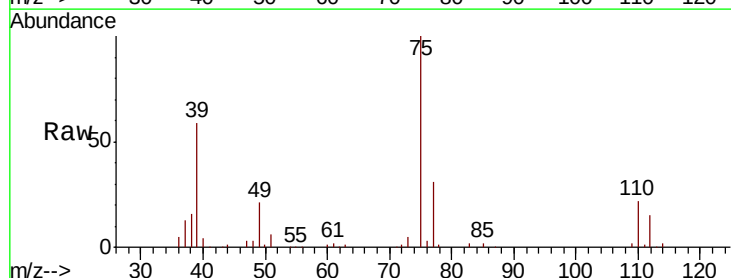
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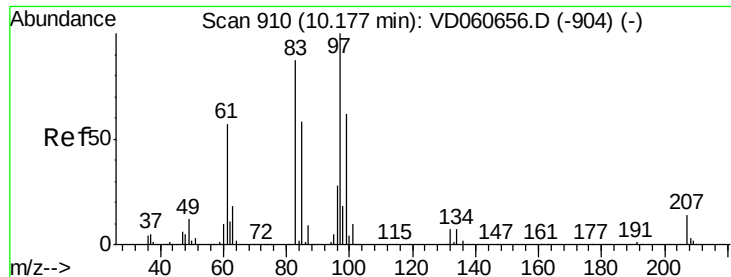
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#54
cis-1,3-Dichloropropene
Concen: 20.714 ug/l
RT: 9.08 min Scan# 798
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion: 75 Resp: 409083
Ion Ratio Lower Upper
75 100
77 31.0 25.4 38.2
39 59.4 47.0 70.4





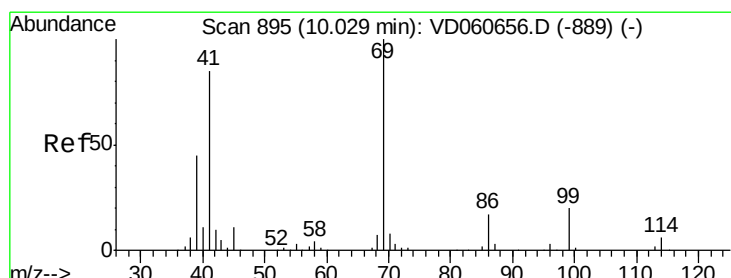
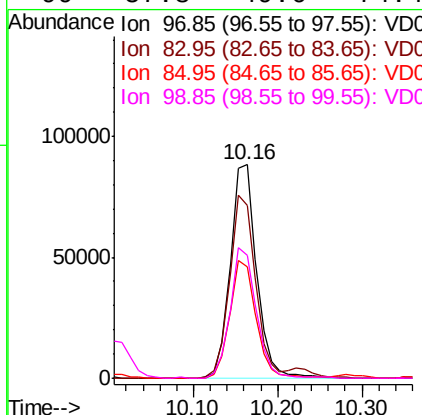
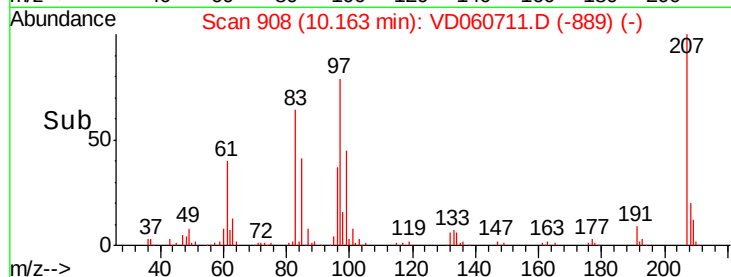
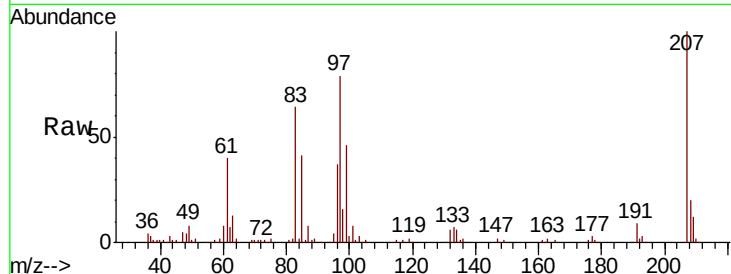
#55
 1,1,2-Trichloroethane
 Concen: 20.917 ug/l
 RT: 10.16 min Scan# 908
 Delta R.T. -0.01 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		192475		
83	81.1	70.0	105.0		
85	52.1	46.6	70.0		
99	57.8	49.6	74.4		

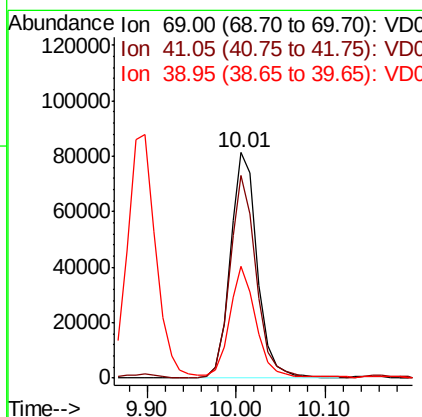
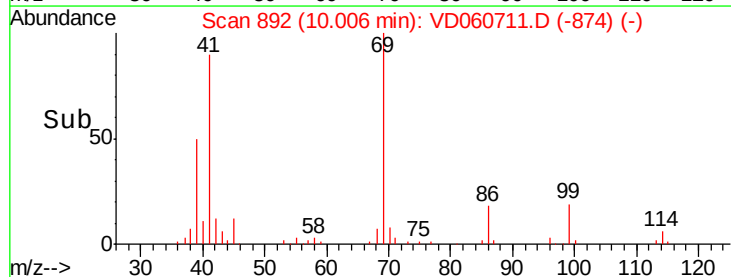
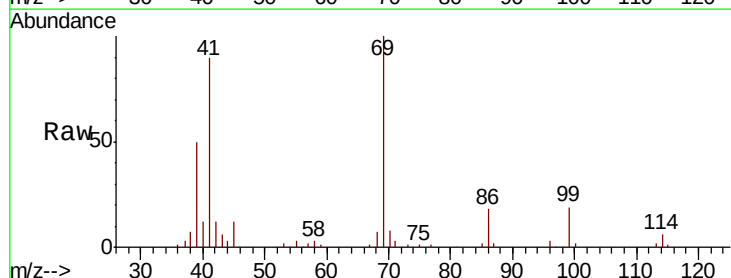
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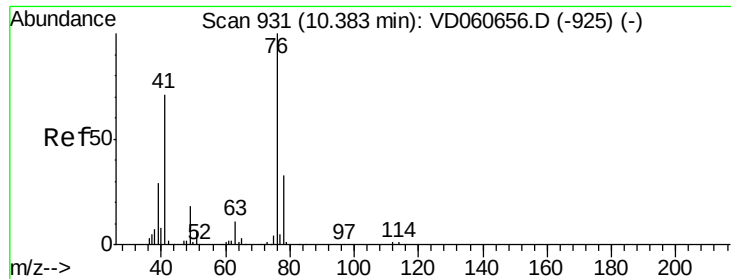
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#56
 Ethyl methacrylate
 Concen: 20.139 ug/l
 RT: 10.01 min Scan# 892
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		172127		
41	89.9	68.3	102.5		
39	49.8	37.2	55.8		





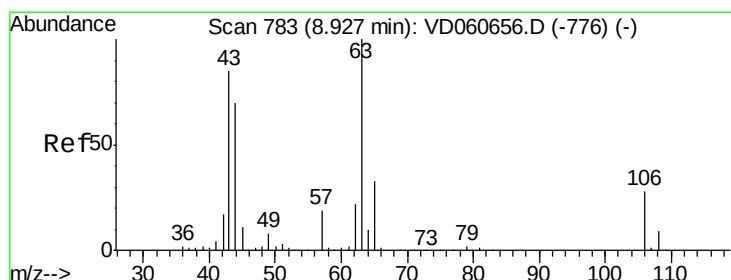
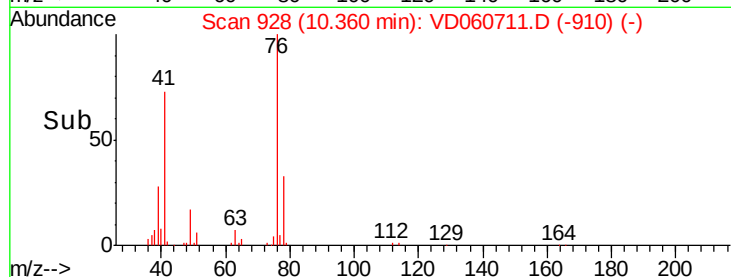
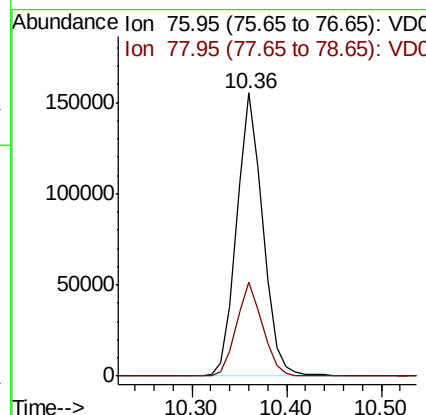
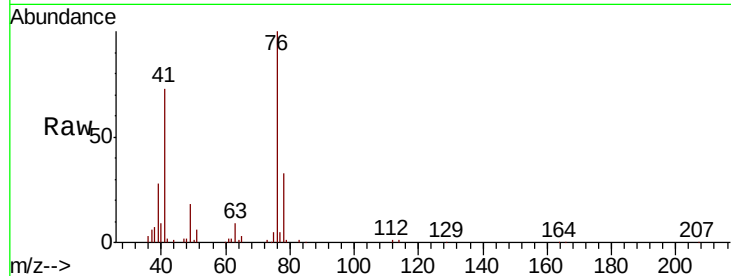
#57
 1,3-Dichloropropane
 Concen: 20.259 ug/l
 RT: 10.36 min Scan# 928
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion: 76 Resp: 295486
 Ion Ratio Lower Upper
 76 100
 78 33.3 26.1 39.1

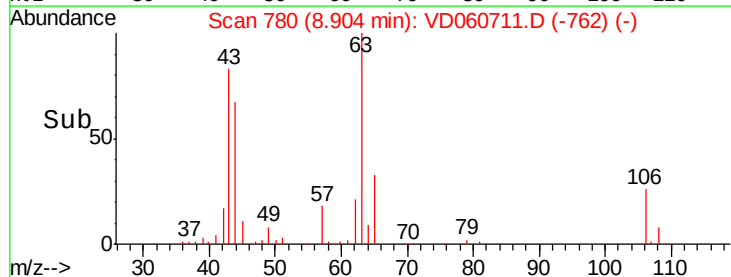
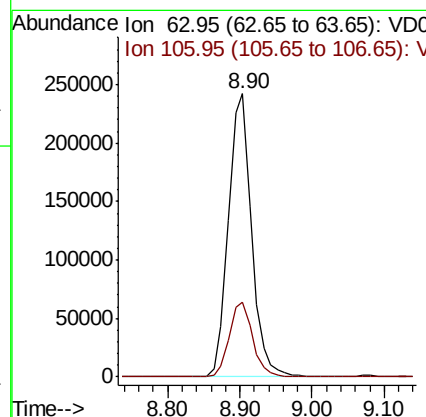
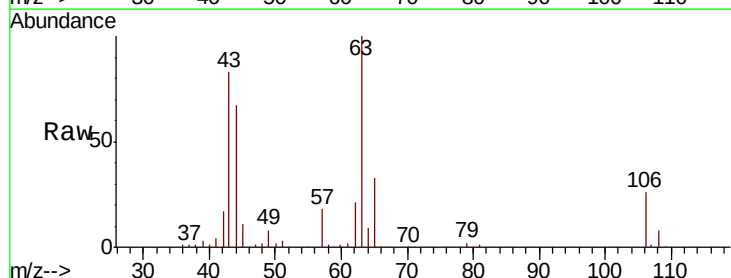
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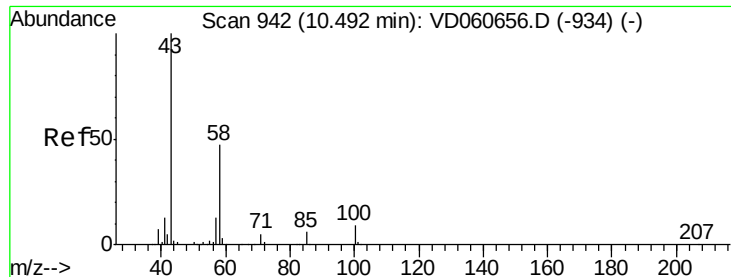
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#58
 2-Chloroethyl Vinyl ether
 Concen: 107.016 ug/l
 RT: 8.90 min Scan# 780
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion: 63 Resp: 538933
 Ion Ratio Lower Upper
 63 100
 106 26.2 22.4 33.6





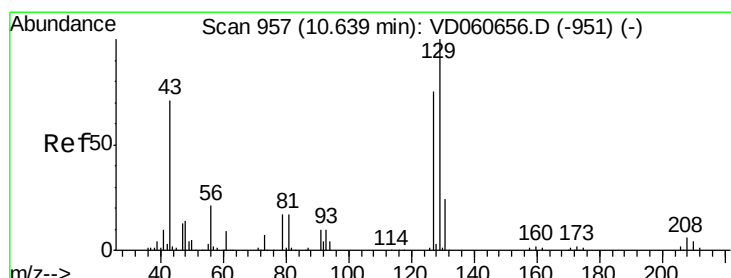
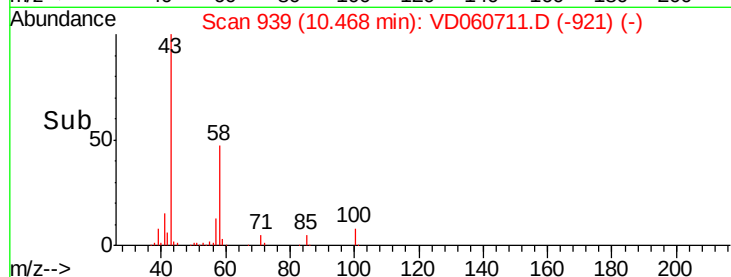
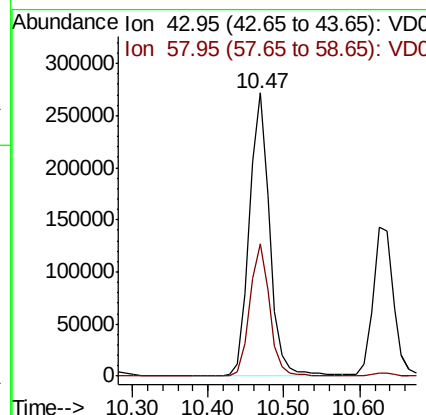
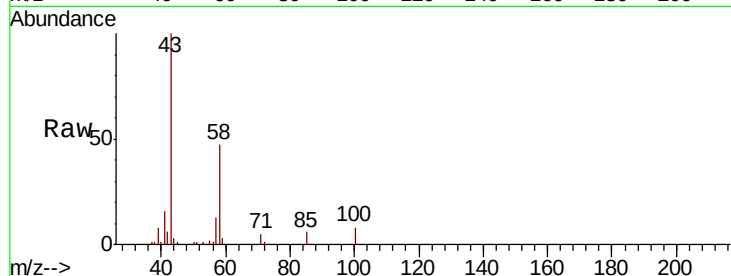
#59
2-Hexanone
Concen: 103.812 ug/l
RT: 10.47 min Scan# 939
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 43 Resp: 504638
Ion Ratio Lower Upper
43 100
58 46.7 23.5 70.5

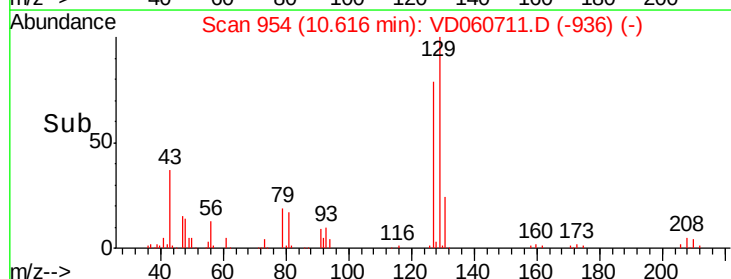
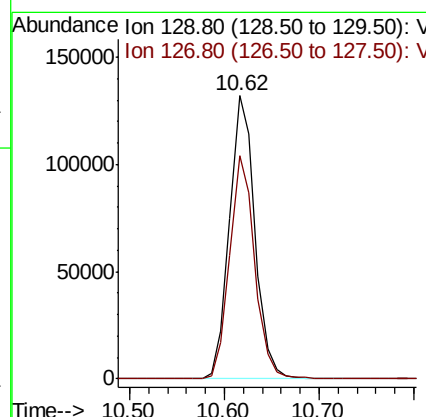
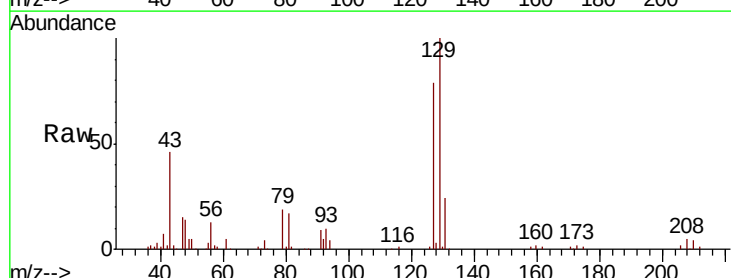
Manual Integrations
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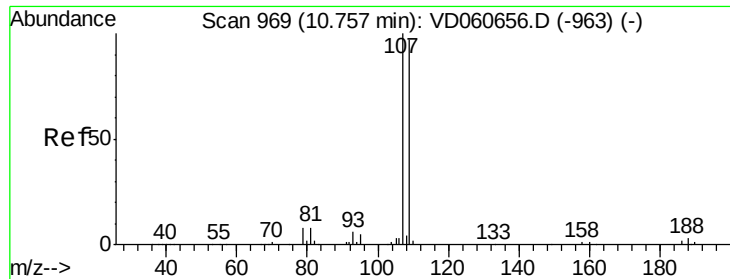
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#60
Dibromochloromethane
Concen: 20.952 ug/l
RT: 10.62 min Scan# 954
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion: 129 Resp: 245572
Ion Ratio Lower Upper
129 100
127 78.9 37.6 112.9





#61

1,2-Dibromoethane

Concen: 20.543 ug/l

RT: 10.73 min Scan# 966

Delta R.T. -0.02 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 107 Resp: 196068

Ion Ratio Lower Upper

107 100

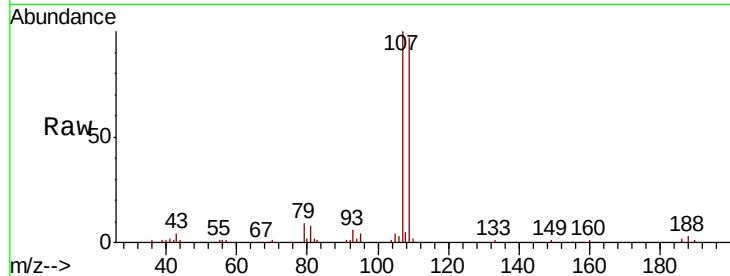
109 97.2 78.0 117.0

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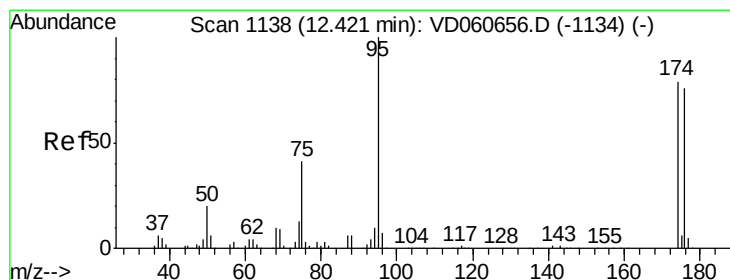
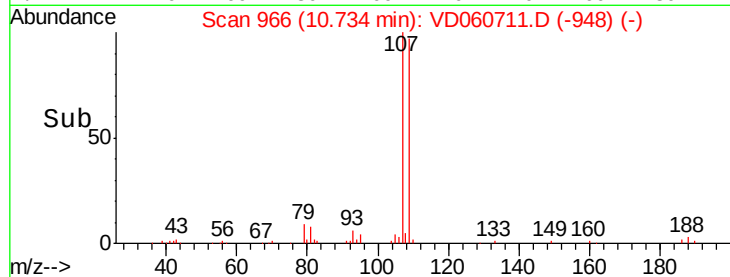
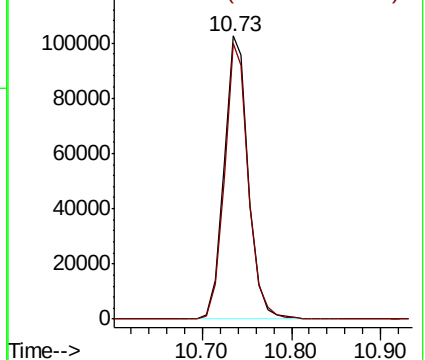
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 20.543 ug/l

RT: 12.41 min Scan# 1136

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

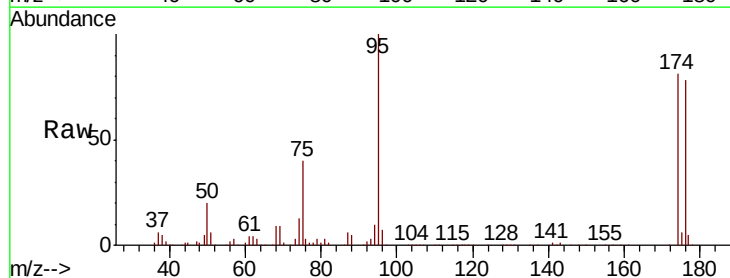
Tgt Ion: 95 Resp: 873522

Ion Ratio Lower Upper

95 100

174 81.3 0.0 158.2

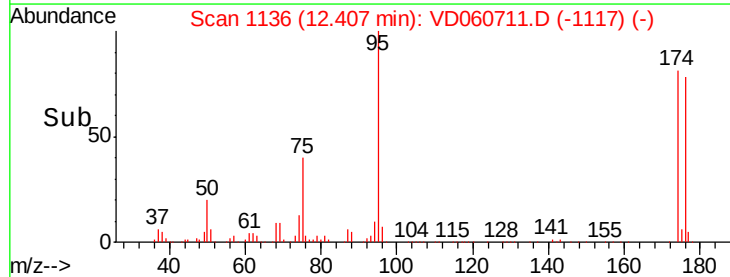
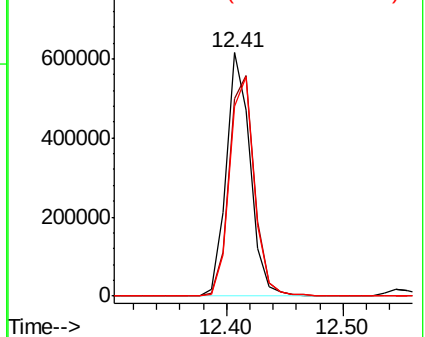
176 78.1 0.0 152.4

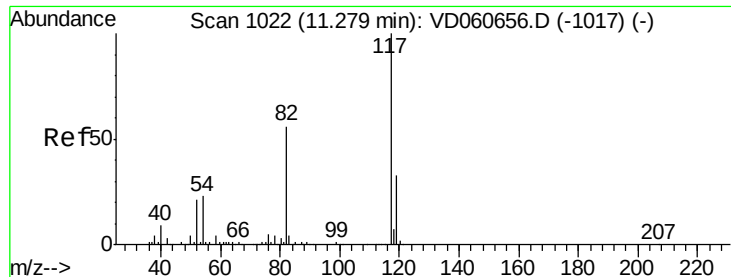


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V





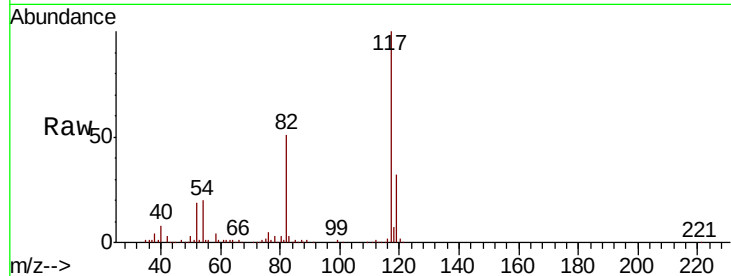
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 1020
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

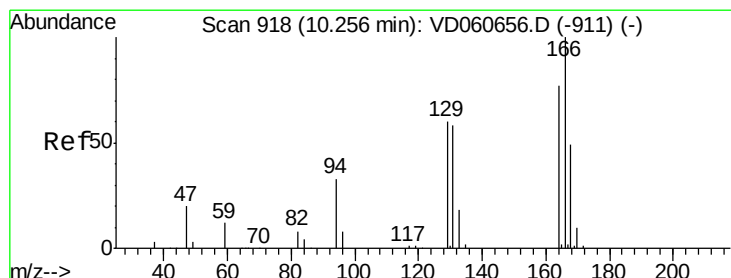
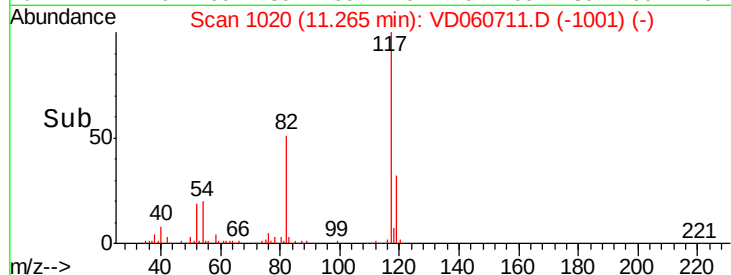
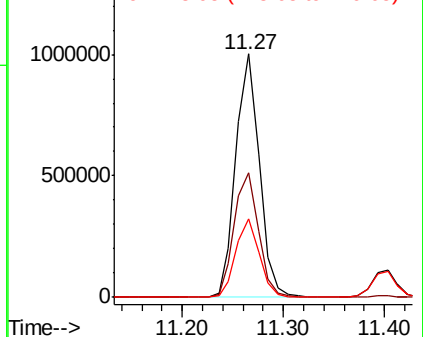
Tot Ion:117 Resp: 1627861
Ion Ratio Lower Upper
117 100
82 51.3 44.5 66.7
119 32.1 26.3 39.5

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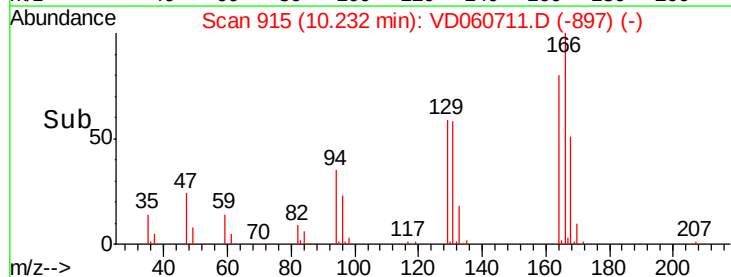
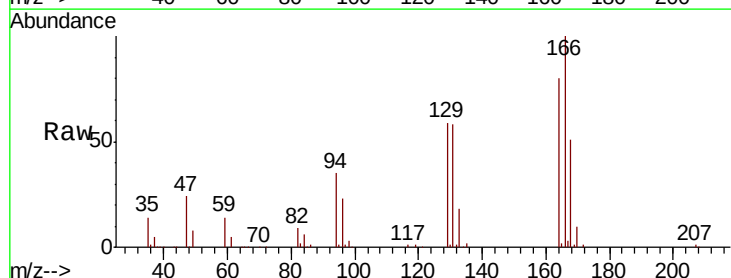
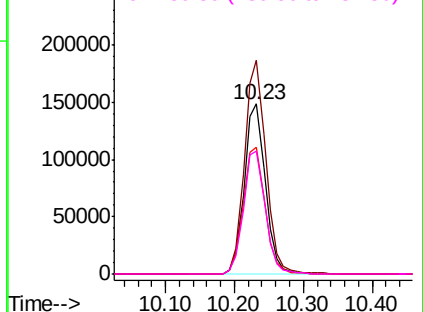
Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

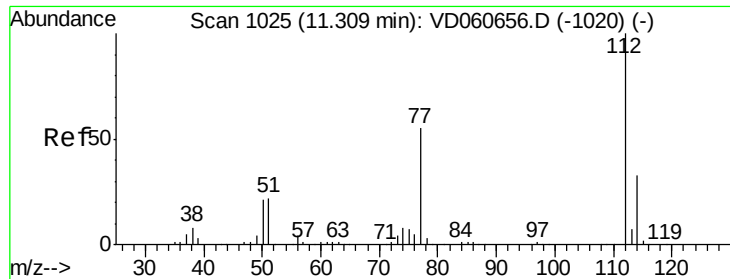


#64
Tetrachloroethene
Concen: 21.343 ug/l
RT: 10.23 min Scan# 915
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion:164 Resp: 314907
Ion Ratio Lower Upper
164 100
166 125.5 104.4 156.6
129 74.4 62.7 94.1
131 72.2 61.1 91.7

Abundance Ion 163.85 (163.55 to 164.55): V
Ion 165.85 (165.55 to 166.55): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V





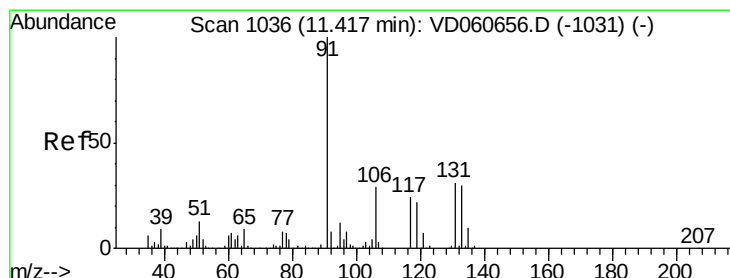
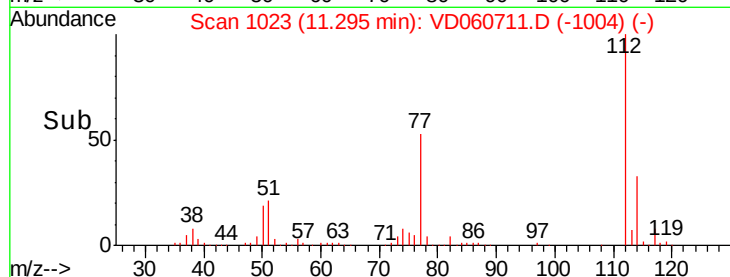
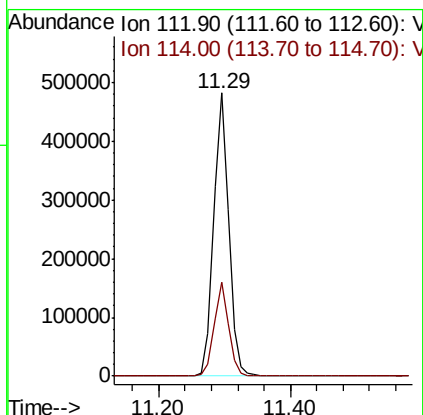
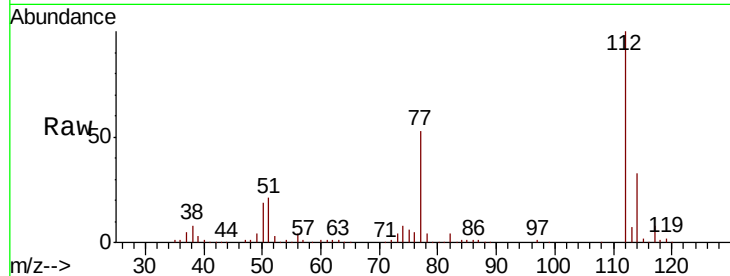
#65
Chlorobenzene
Concen: 21.053 ug/l
RT: 11.29 min Scan# 1023
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion:112 Resp: 757189
Ion Ratio Lower Upper
112 100
114 33.1 26.1 39.1

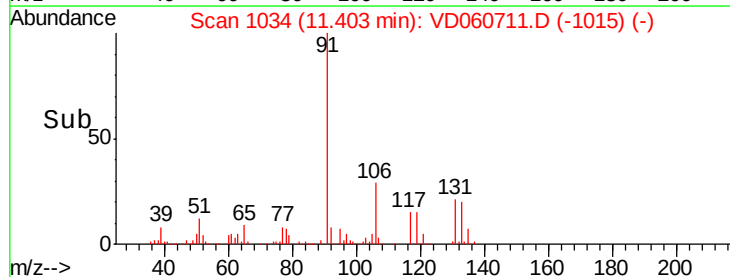
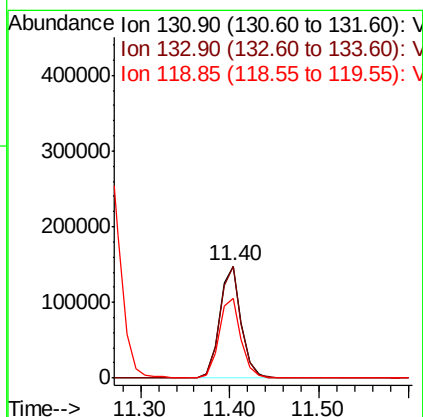
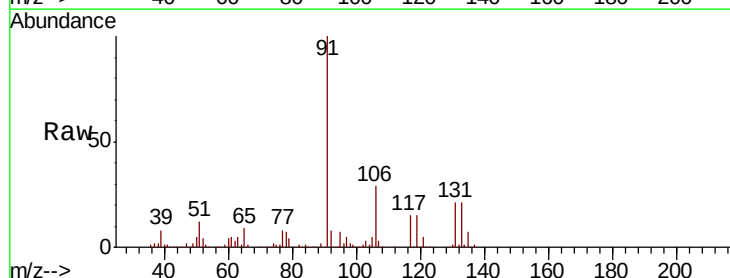
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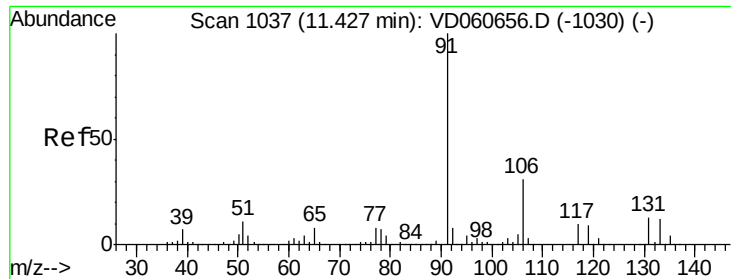
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#66
1,1,1,2-Tetrachloroethane
Concen: 21.618 ug/l
RT: 11.40 min Scan# 1034
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion:131 Resp: 249992
Ion Ratio Lower Upper
131 100
133 99.1 49.1 147.3
119 70.9 36.6 109.8





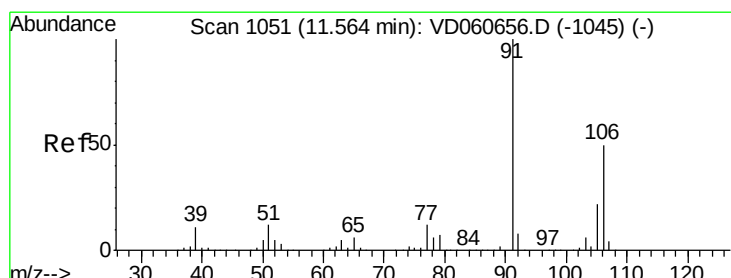
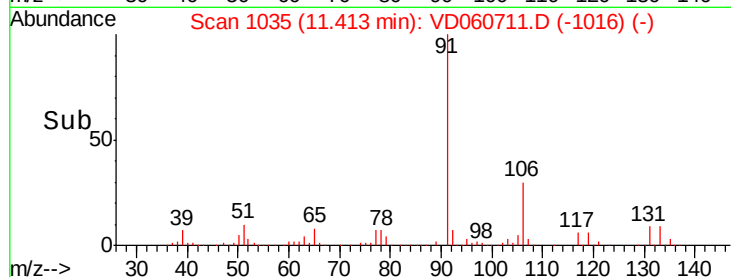
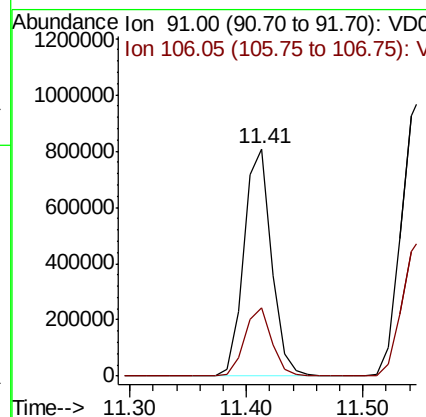
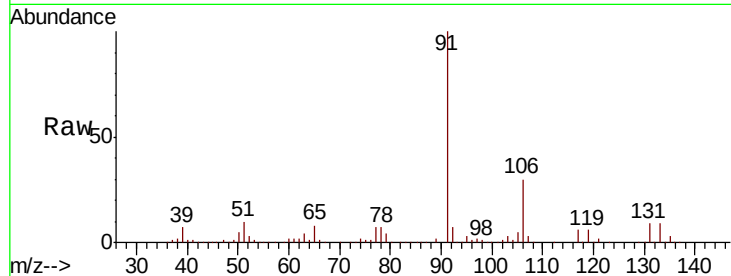
#67
Ethyl Benzene
Concen: 21.583 ug/l
RT: 11.41 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleID :
VD1226SBS01

Tot Ion: 91 Resp: 1329386
Ion Ratio Lower Upper
91 100
106 29.9 24.6 36.8

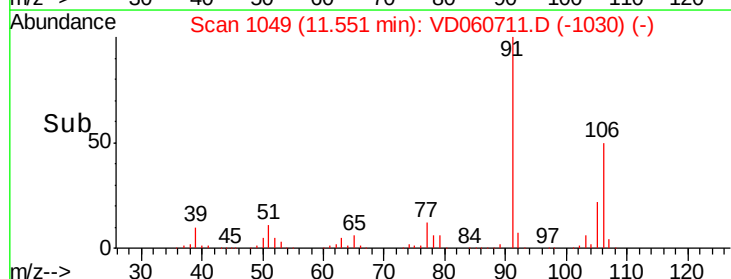
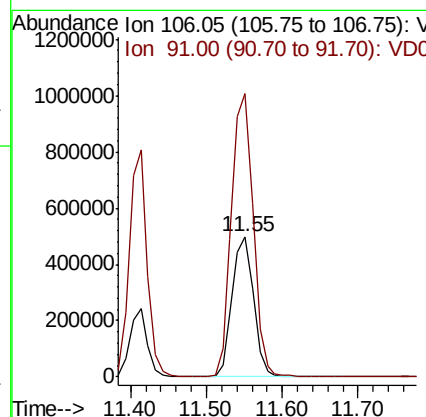
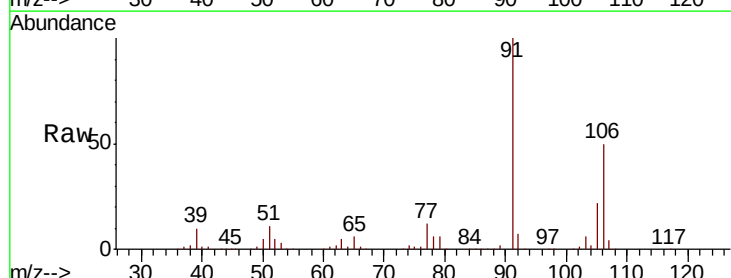
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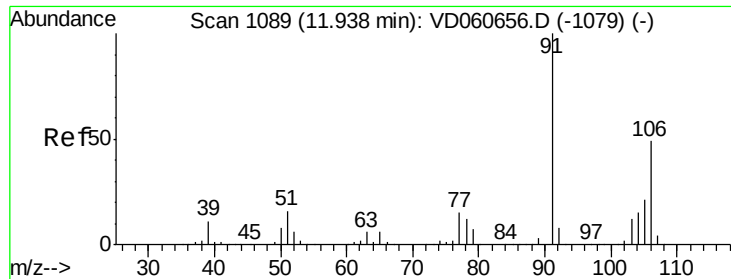
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#68
m/p-Xylenes
Concen: 43.063 ug/l
RT: 11.55 min Scan# 1049
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion: 106 Resp: 969337
Ion Ratio Lower Upper
106 100
91 201.9 158.9 238.3





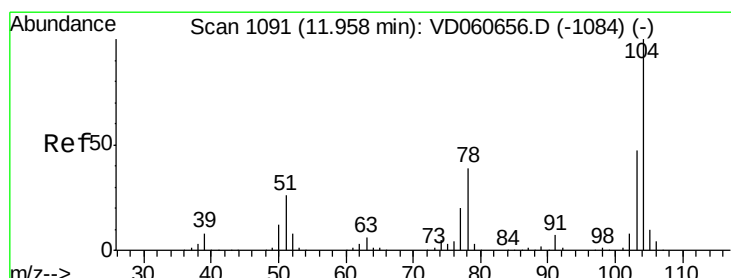
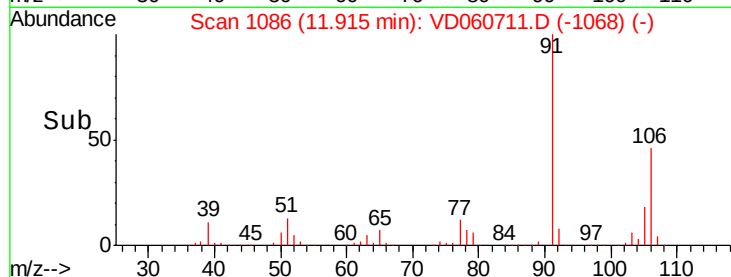
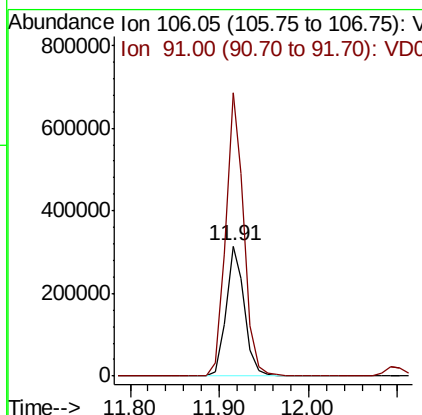
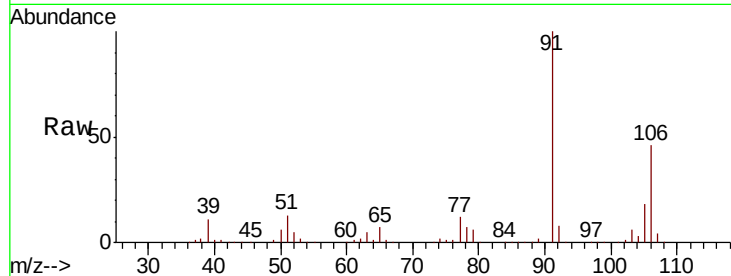
#69
o-Xylene
Concen: 21.359 ug/l
RT: 11.91 min Scan# 1086
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion:106 Resp: 456134
Ion Ratio Lower Upper
106 100
91 217.6 101.5 304.5

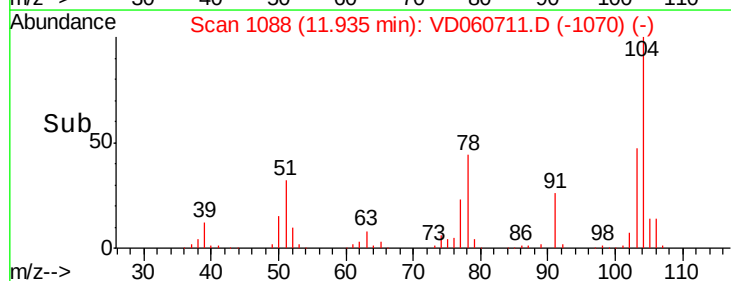
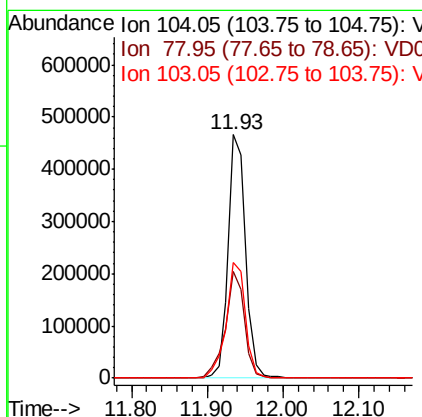
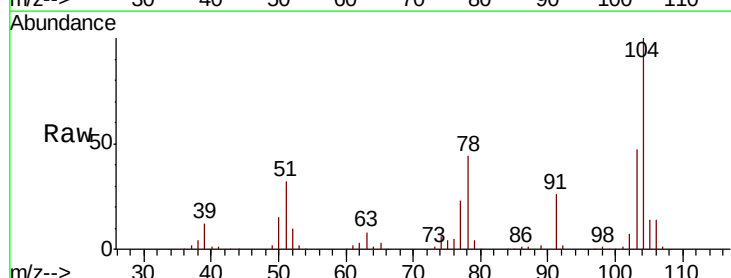
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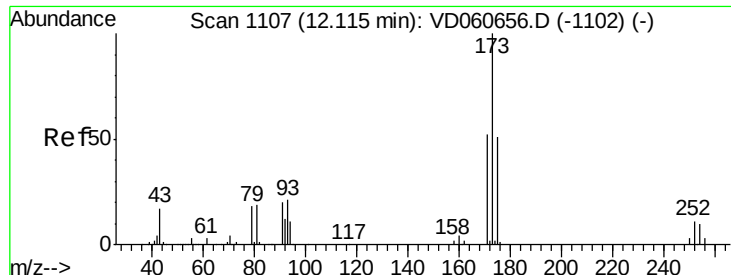
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#70
Styrene
Concen: 21.343 ug/l
RT: 11.93 min Scan# 1088
Delta R.T. -0.02 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion:104 Resp: 734095
Ion Ratio Lower Upper
104 100
78 43.9 31.4 47.2
103 47.2 37.5 56.3





#71

Bromoform

Concen: 21.176 ug/l

RT: 12.10 min Scan# 1105

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

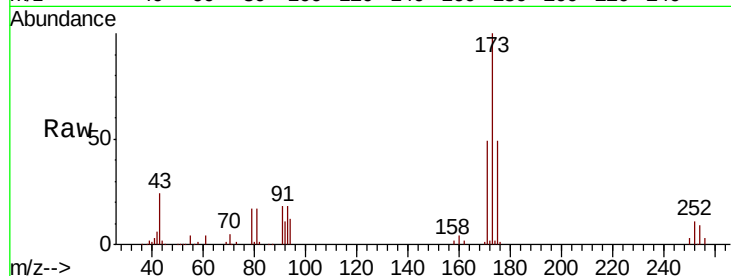
ClientSampleId :

VD1226SBS01

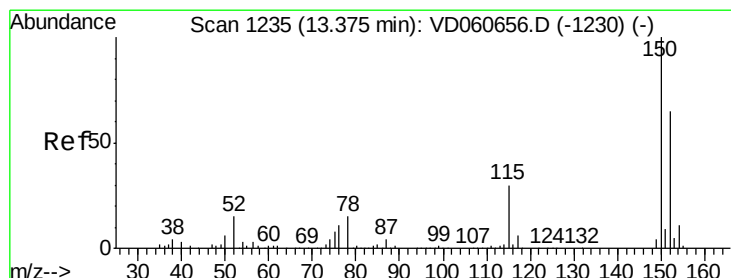
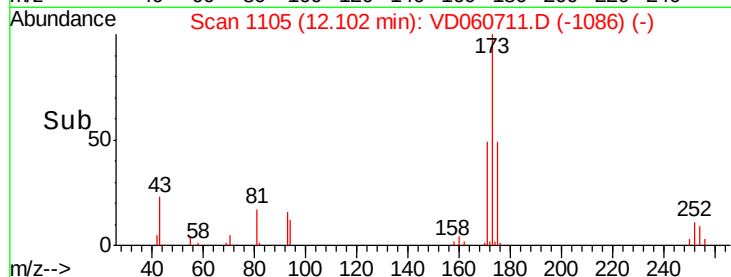
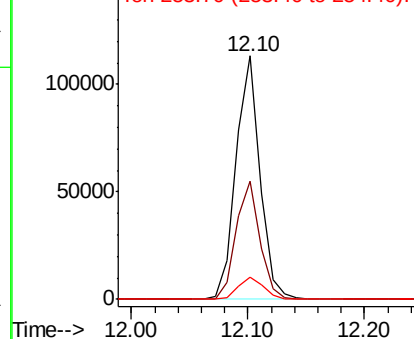
Tot Ion:	173	Resp:	161644
Ion Ratio	Lower	Upper	
173	100		
175	48.7	25.5	76.5
254	9.3	7.9	11.9

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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

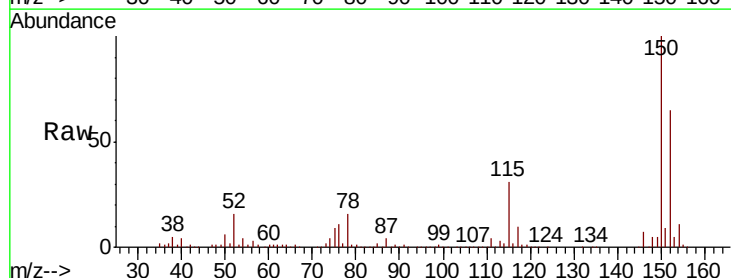
RT: 13.36 min Scan# 1233

Delta R.T. -0.01 min

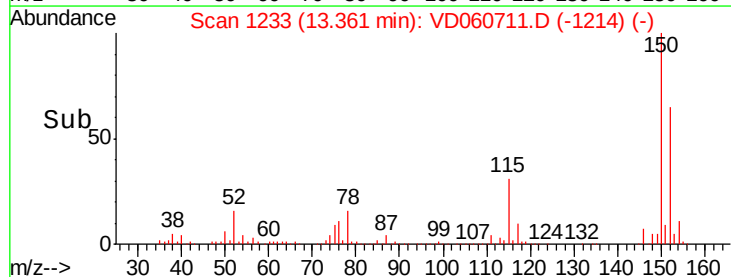
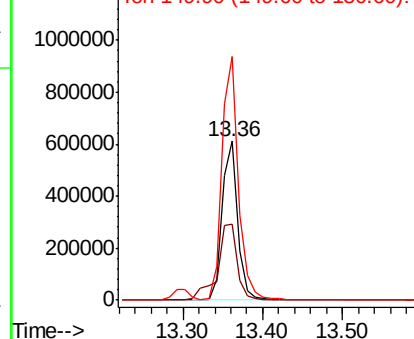
Lab File: VD060711.D

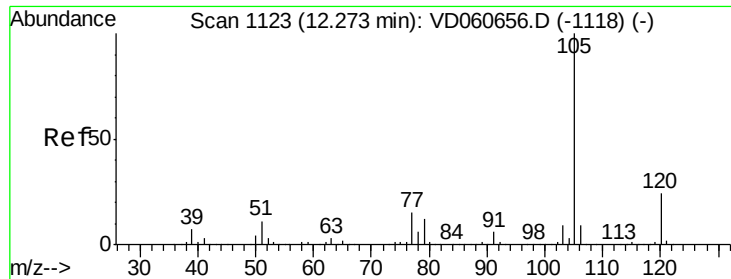
Acq: 26 Dec 2018 11:43

Tgt Ion:	152	Resp:	845870
Ion Ratio	Lower	Upper	
152	100		
115	47.8	24.1	72.3
150	153.4	0.0	315.0



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





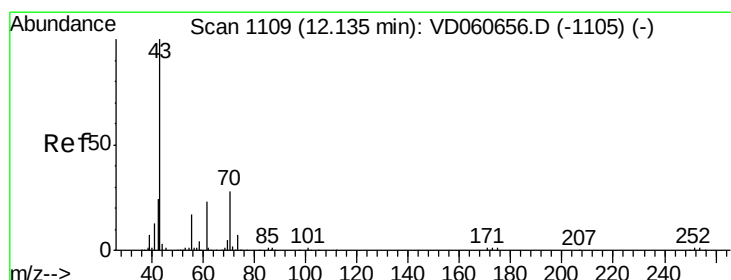
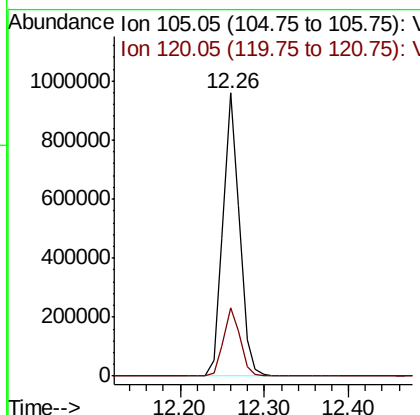
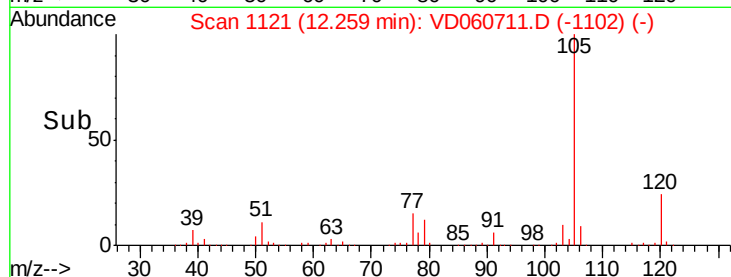
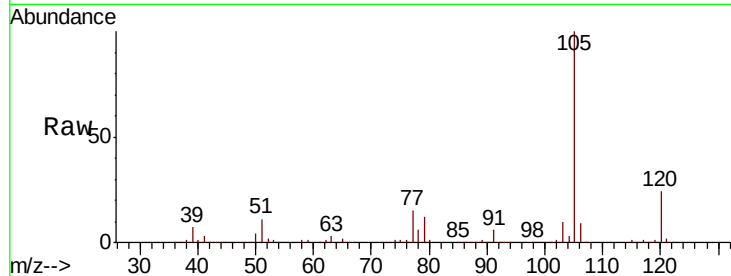
#73
Isopropylbenzene
Concen: 21.819 ug/l
RT: 12.26 min Scan# 1121
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion:105 Resp: 1314074
Ion Ratio Lower Upper
105 100
120 24.1 12.2 36.4

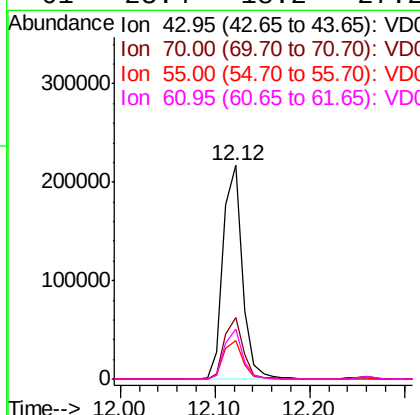
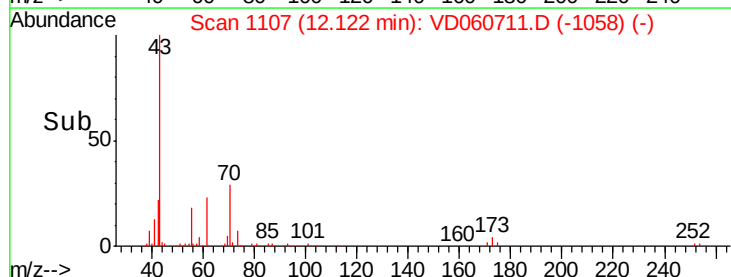
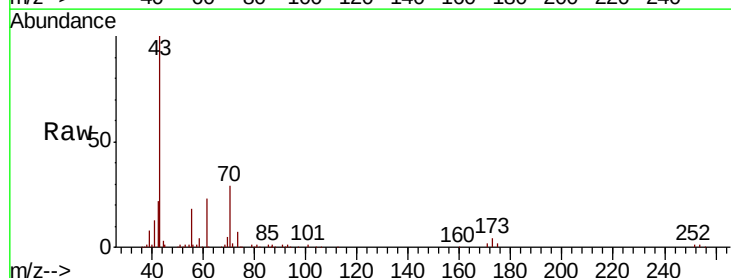
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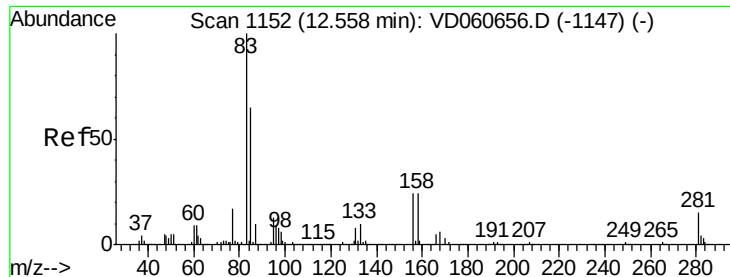
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#74
N-ethyl acetate
Concen: 21.542 ug/l
RT: 12.12 min Scan# 1107
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion: 43 Resp: 306190
Ion Ratio Lower Upper
43 100
70 29.0 22.2 33.2
55 17.8 13.8 20.8
61 23.4 18.2 27.2





#75

1,1,2,2-Tetrachloroethane

Concen: 20.833 ug/l

RT: 12.54 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 83 Resp: 203369
Ion Ratio Lower Upper

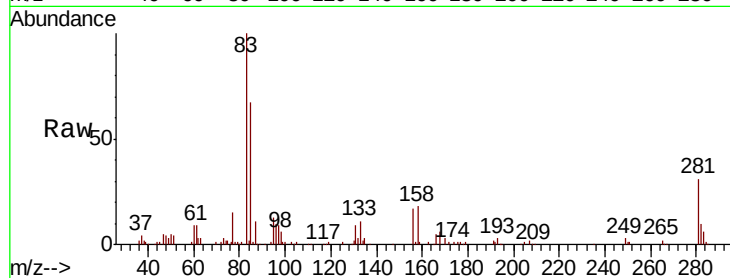
83 100

131 8.7 4.2 12.4

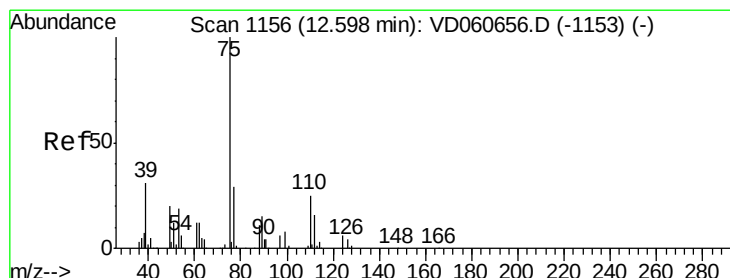
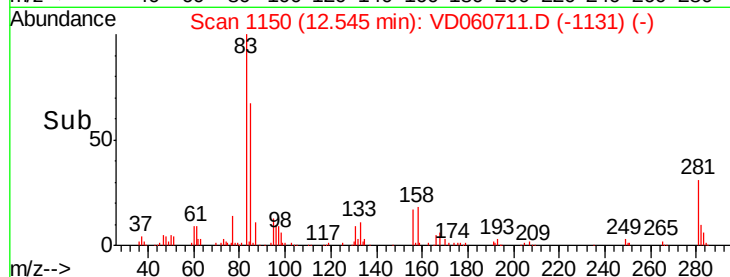
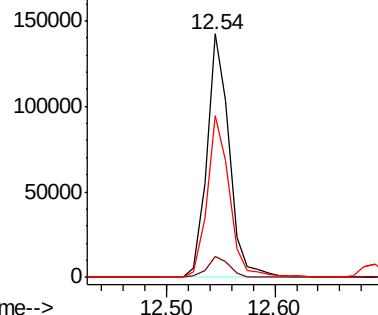
85 66.6 32.6 97.7

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Abundance Ion 82.95 (82.65 to 83.65): VDC
Ion 130.90 (130.60 to 131.60): VDC
Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 20.962 ug/l

RT: 12.58 min Scan# 1154

Delta R.T. -0.01 min

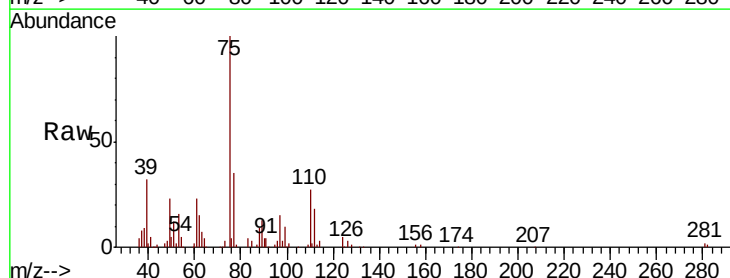
Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

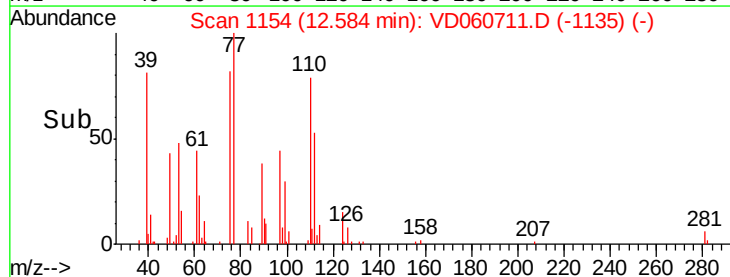
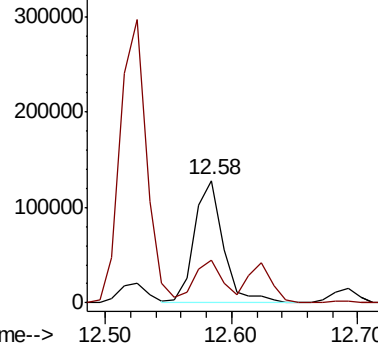
Tgt Ion: 75 Resp: 201869
Ion Ratio Lower Upper

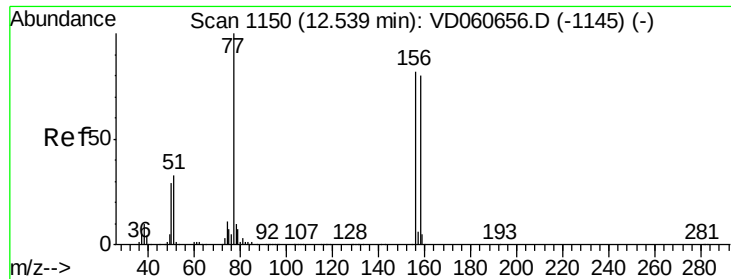
75 100

77 35.1 16.7 50.0



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 76.95 (76.65 to 77.65): VDC





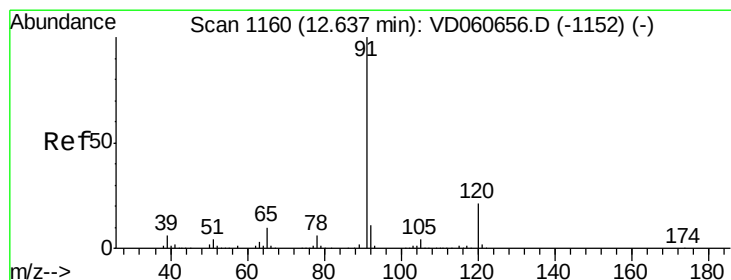
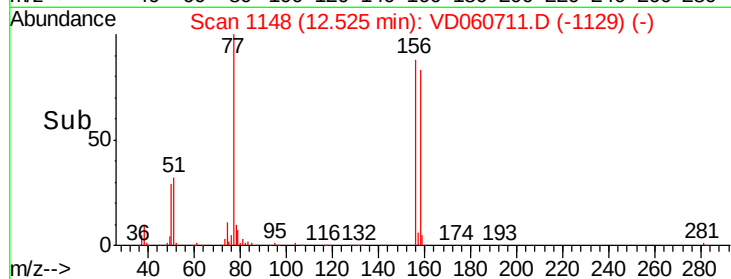
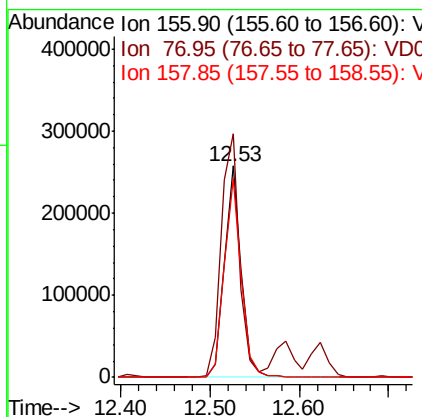
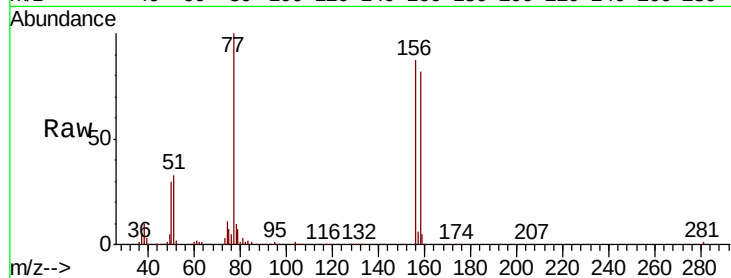
#77
Bromobenzene
Concen: 21.641 ug/l
RT: 12.53 min Scan# 1148
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	115.1	61.3	183.9
158	93.8	48.9	146.6

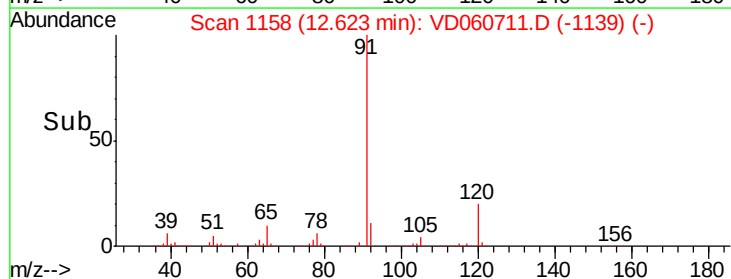
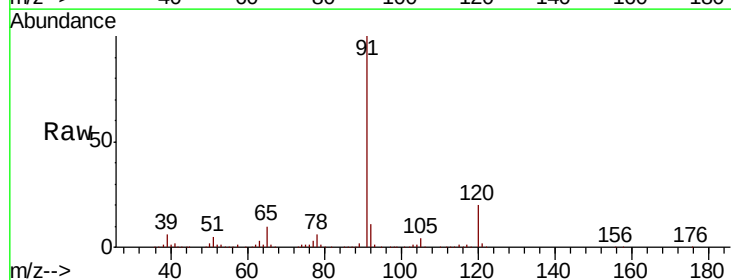
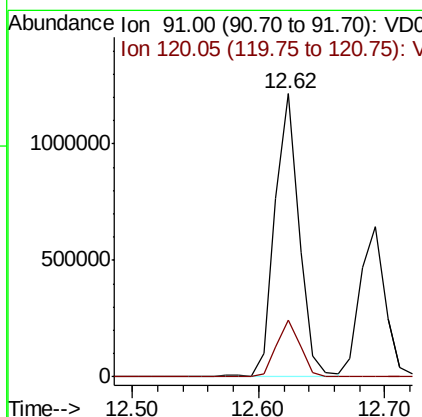
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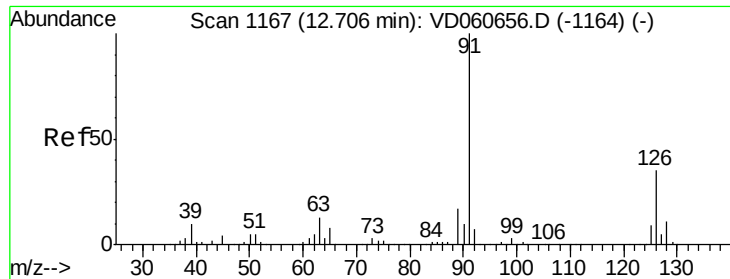
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#78
n-propylbenzene
Concen: 21.126 ug/l
RT: 12.62 min Scan# 1158
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
91	100		
120	20.3	10.4	31.2





#79

2-Chlorotoluene

Concen: 21.479 ug/l

RT: 12.69 min Scan# 1165

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

ClientSampleId :

VD1226SBS01

Tot Ion: 91 Resp: 885766

Ion Ratio Lower Upper

91 100

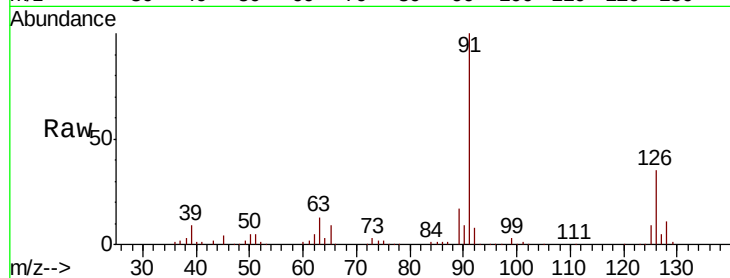
126 35.0 17.2 51.5

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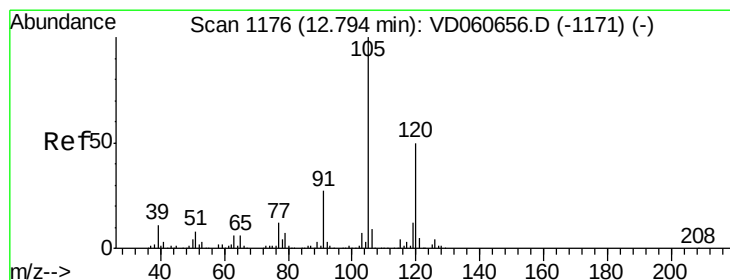
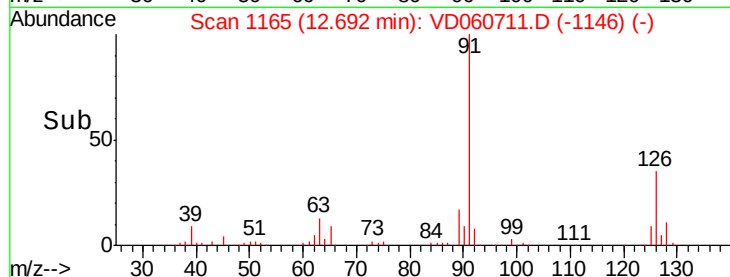
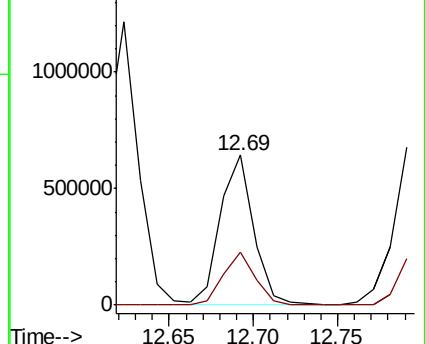
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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 22.301 ug/l

RT: 12.78 min Scan# 1174

Delta R.T. -0.01 min

Lab File: VD060711.D

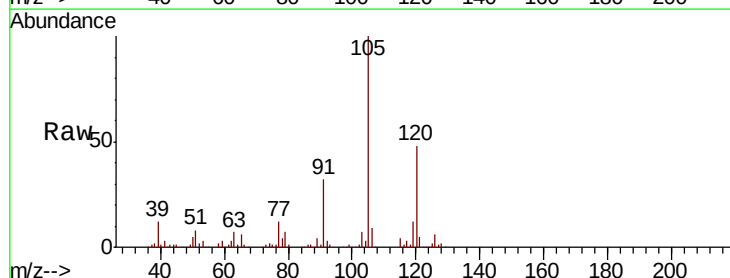
Acq: 26 Dec 2018 11:43

Tgt Ion:105 Resp: 1037092

Ion Ratio Lower Upper

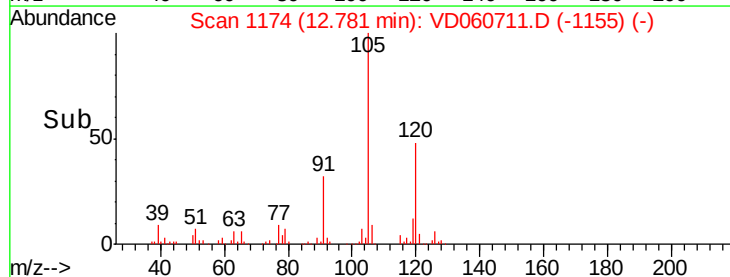
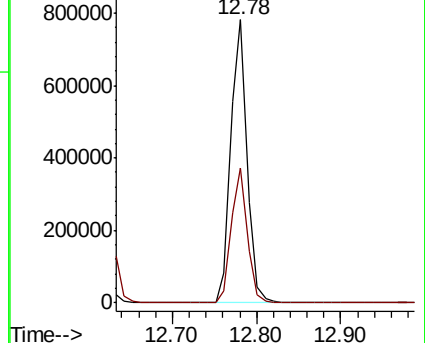
105 100

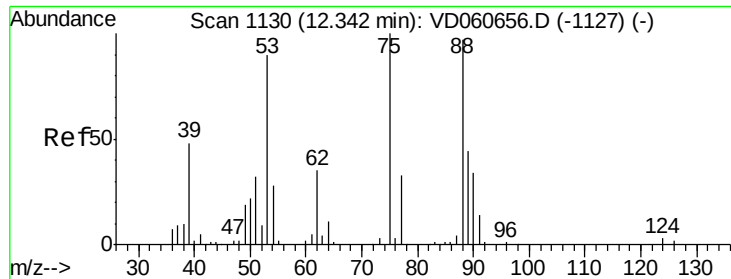
120 47.6 24.8 74.4



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: 19.806 ug/l

RT: 12.33 min Scan# 1128

Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Instrument :

MSVOA_D

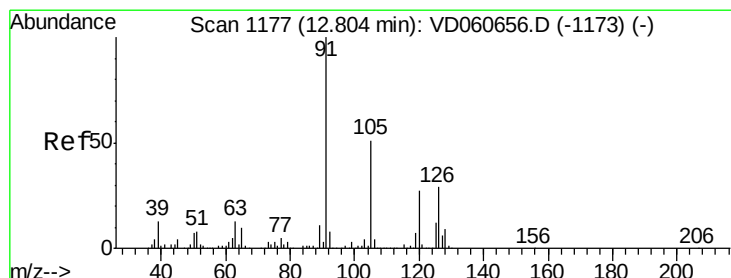
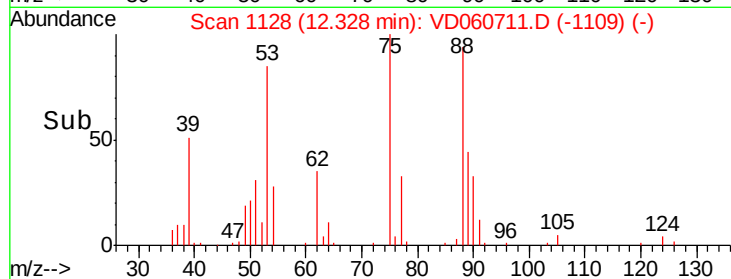
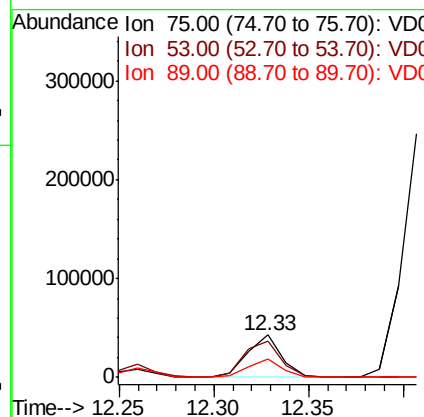
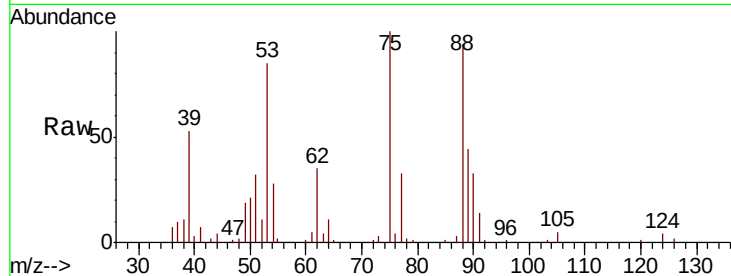
ClientSampleId :

VD1226SBS01

Tot Ion:	75	Resp:	52705
Ion Ratio	Lower	Upper	
75	100		
53	85.2	72.1	108.1
89	43.7	35.1	52.7

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#82

4-Chlorotoluene

Concen: 21.855 ug/l

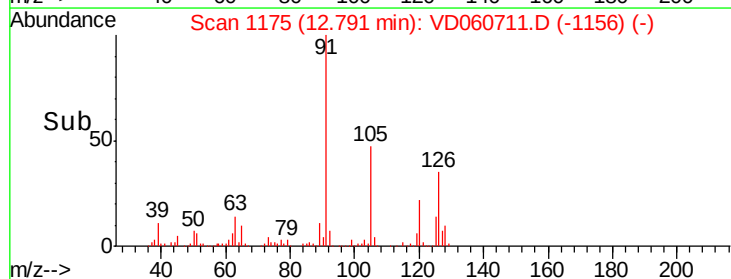
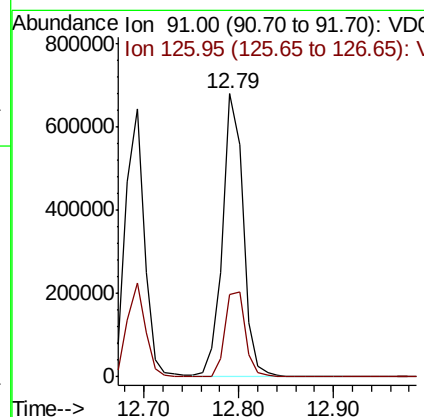
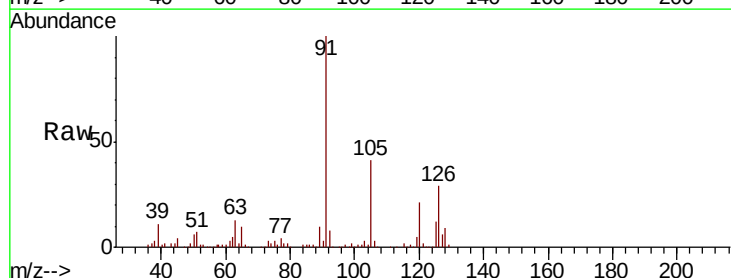
RT: 12.79 min Scan# 1175

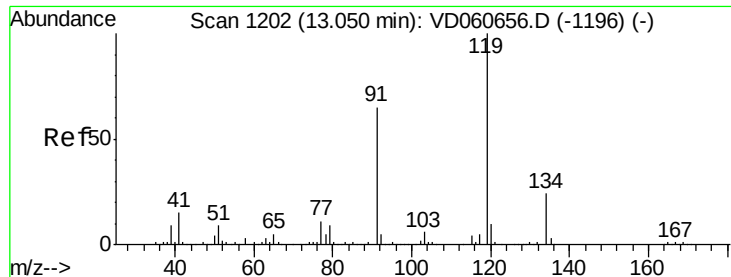
Delta R.T. -0.01 min

Lab File: VD060711.D

Acq: 26 Dec 2018 11:43

Tgt Ion:	91	Resp:	1021541
Ion Ratio	Lower	Upper	
91	100		
126	29.3	14.6	43.8





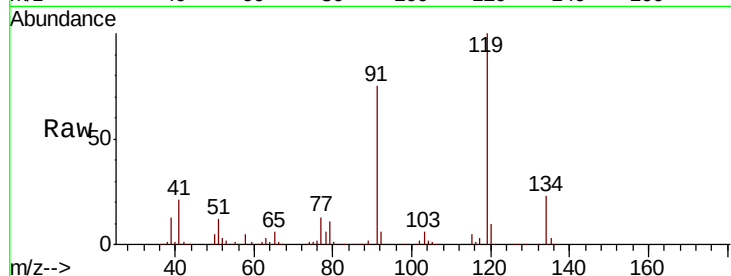
#83
 tert-Butylbenzene
 Concen: 21.644 ug/l
 RT: 13.03 min Scan# 1199
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

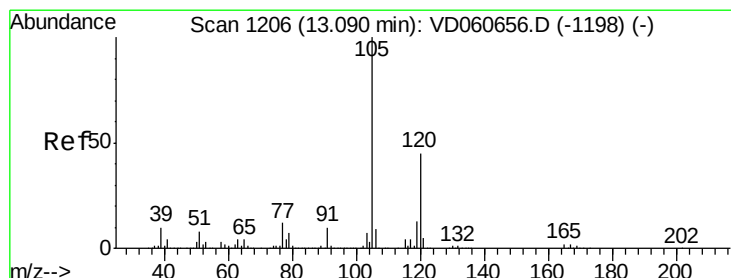
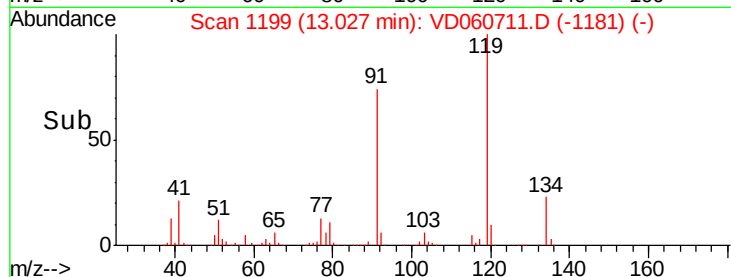
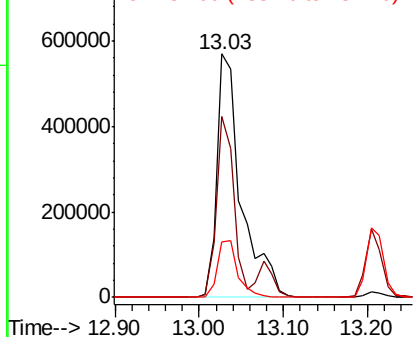
Tot Ion:119 Resp: 1145530
 Ion Ratio Lower Upper
 119 100
 91 74.5 32.5 97.4
 134 22.7 11.9 35.9

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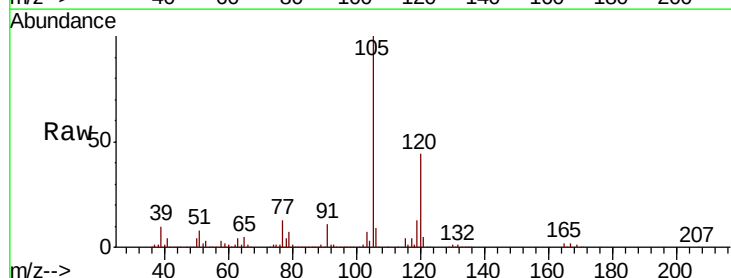


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

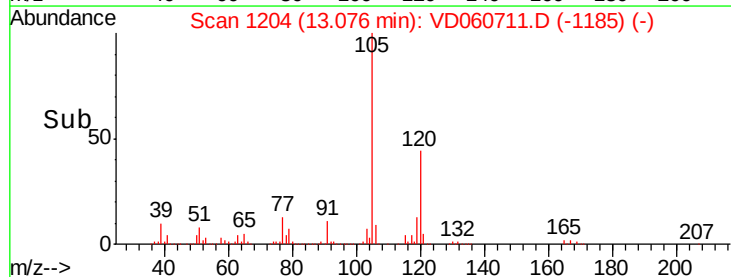
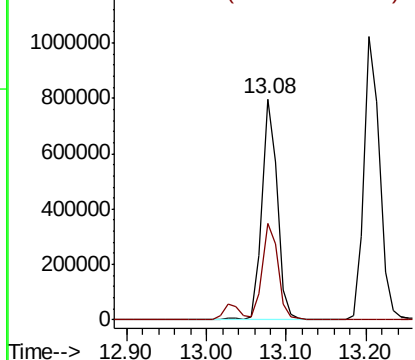


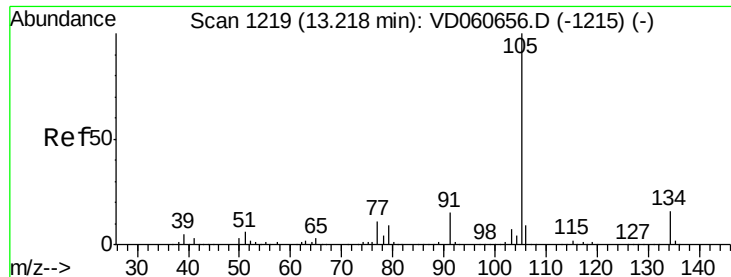
#84
 1,2,4-Trimethylbenzene
 Concen: 21.804 ug/l
 RT: 13.08 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion:105 Resp: 1044357
 Ion Ratio Lower Upper
 105 100
 120 43.6 22.4 67.0



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





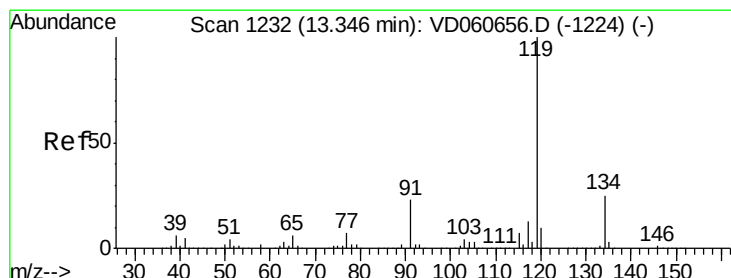
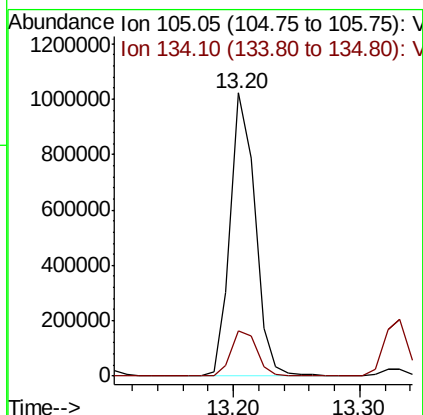
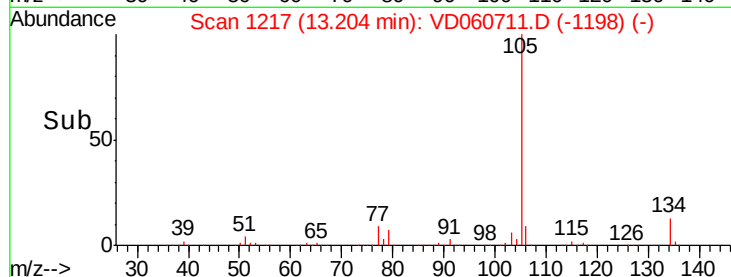
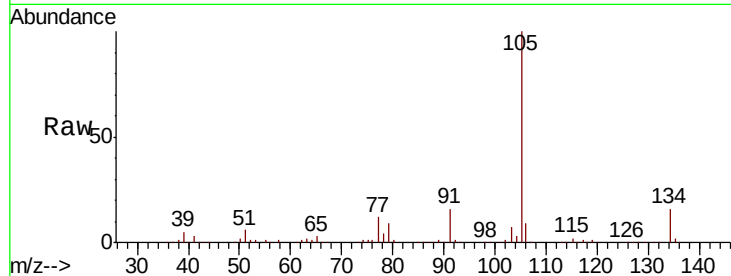
#85
 sec-Butylbenzene
 Concen: 21.481 ug/l
 RT: 13.20 min Scan# 1217
 Delta R.T. -0.01 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion:105 Resp: 1386467
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.2 24.4

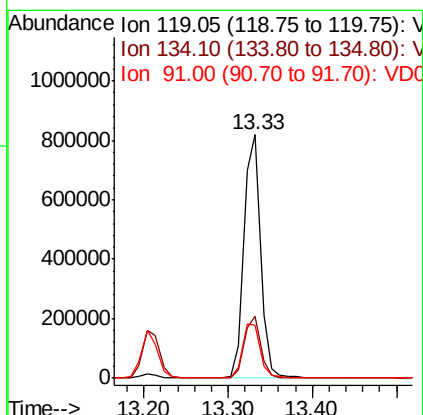
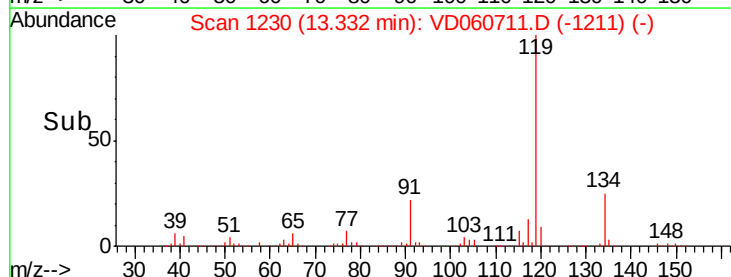
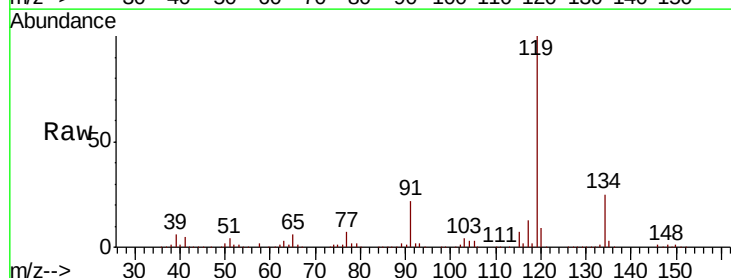
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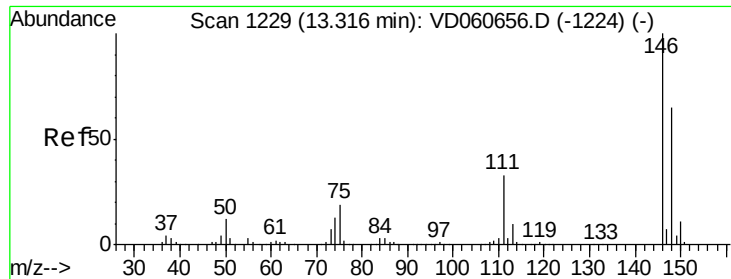
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#86
 p-Isopropyltoluene
 Concen: 21.542 ug/l
 RT: 13.33 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion:119 Resp: 1122353
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.5 37.5
 91 22.0 11.4 34.2





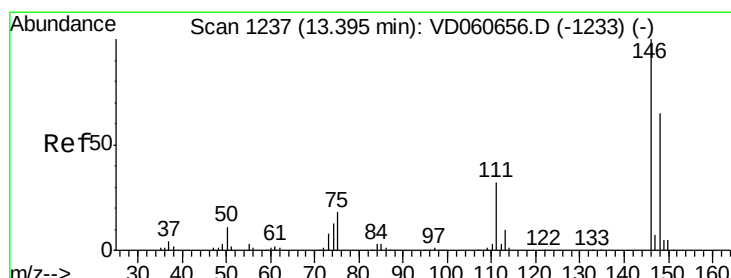
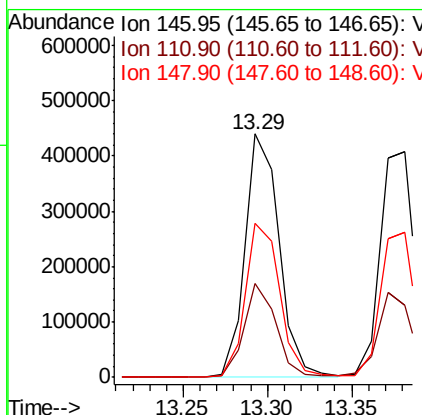
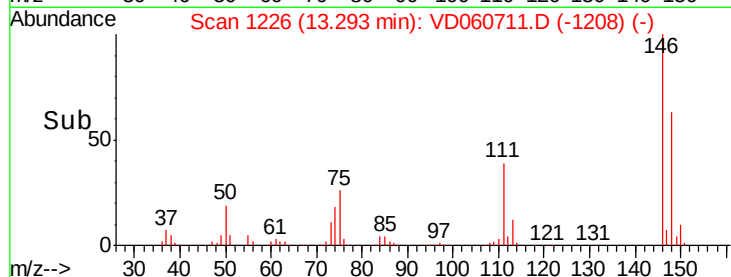
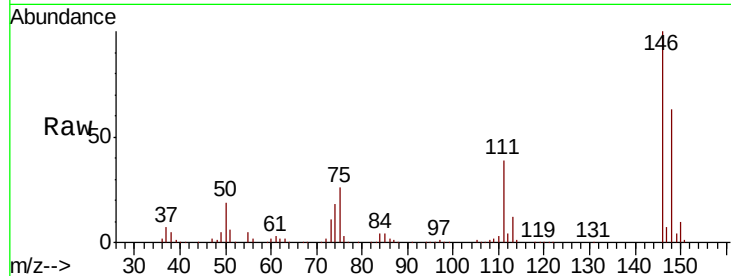
#87
 1,3-Dichlorobenzene
 Concen: 21.190 ug/l
 RT: 13.29 min Scan# 1226
 Delta R.T. -0.02 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	16.6	49.8
148	63.2	32.6	97.8

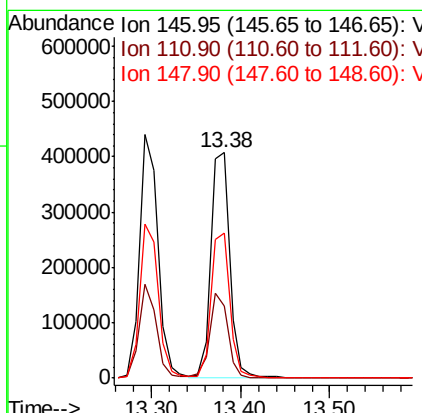
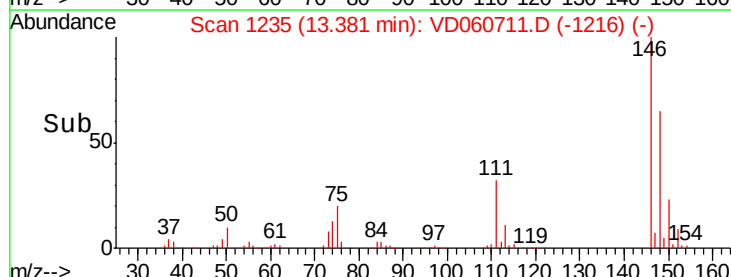
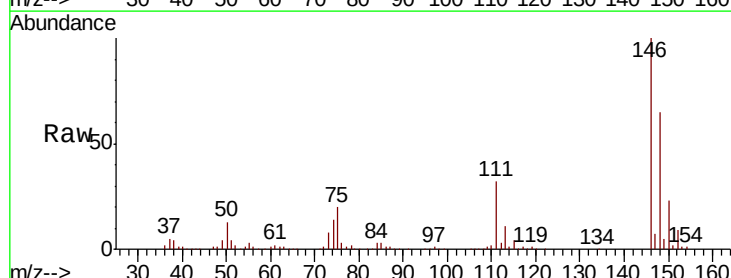
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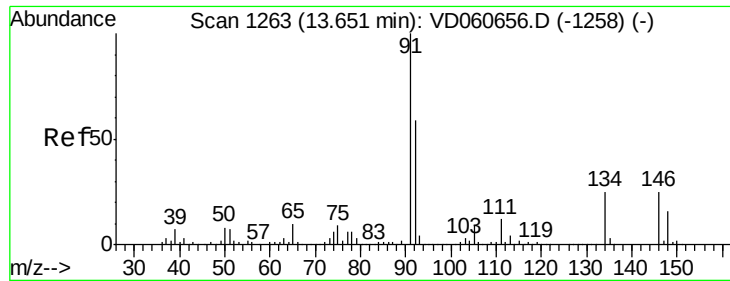
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#88
 1,4-Dichlorobenzene
 Concen: 20.865 ug/l
 RT: 13.38 min Scan# 1235
 Delta R.T. -0.01 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
146	100		
111	31.9	16.2	48.5
148	64.6	32.7	98.1





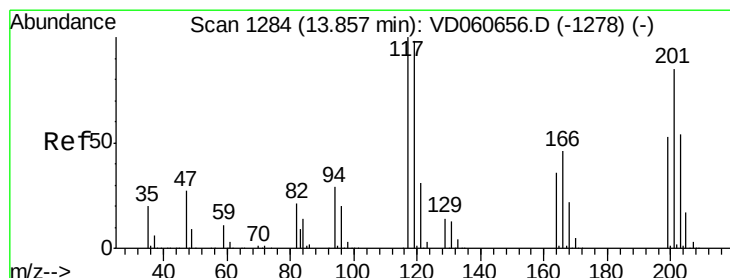
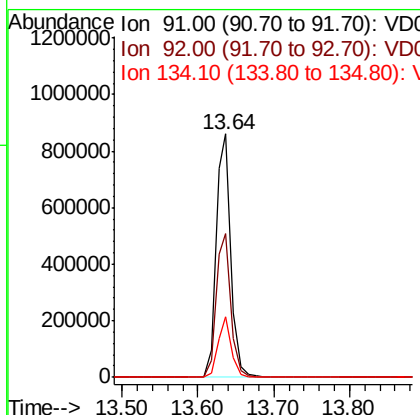
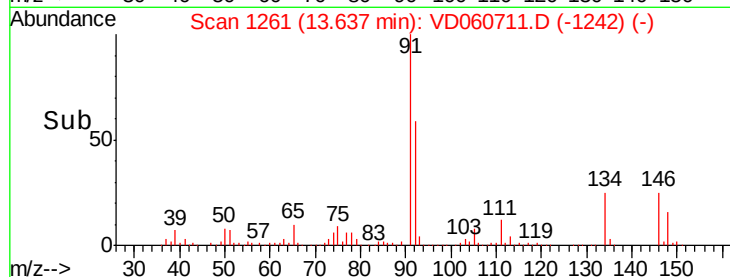
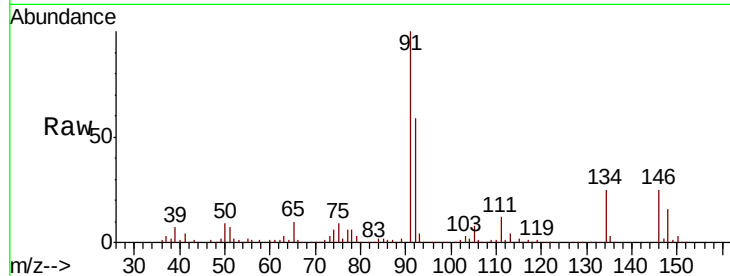
#89
n-Butylbenzene
Concen: 22.133 ug/l
RT: 13.64 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion: 91 Resp: 1178412
Ion Ratio Lower Upper
91 100
92 59.1 29.7 89.1
134 25.1 12.7 38.1

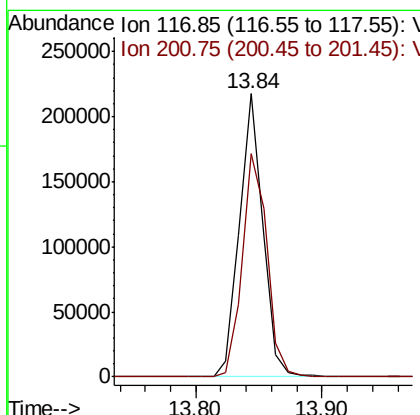
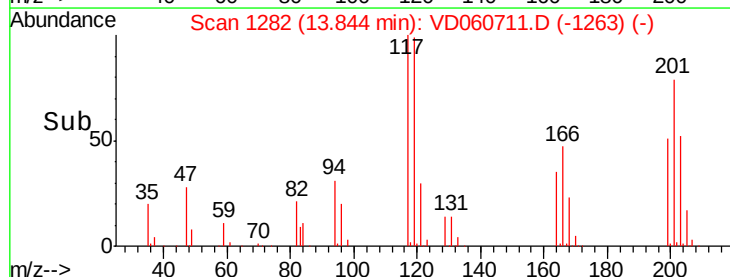
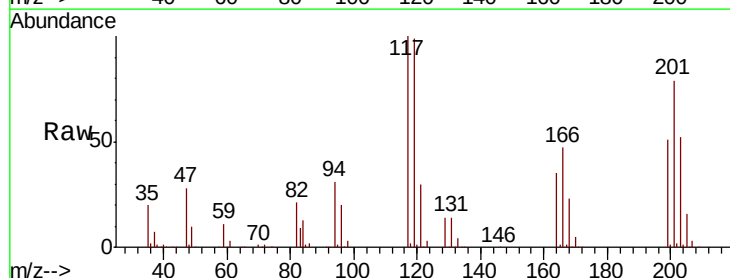
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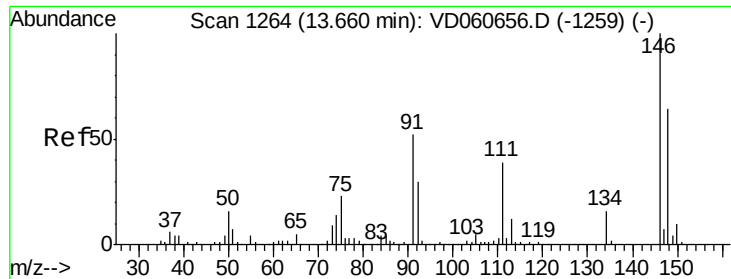
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#90
Hexachloroethane
Concen: 21.627 ug/l
RT: 13.84 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion: 117 Resp: 276809
Ion Ratio Lower Upper
117 100
201 78.7 42.6 127.8





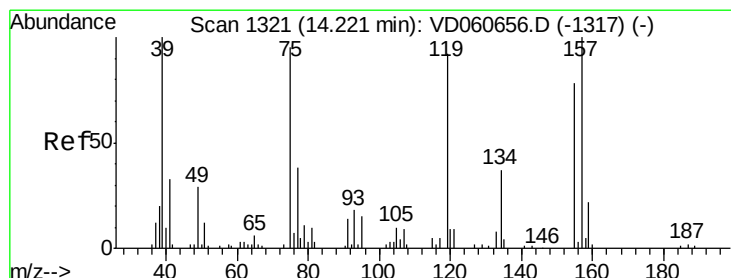
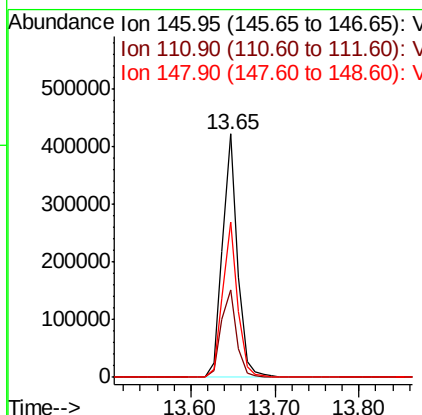
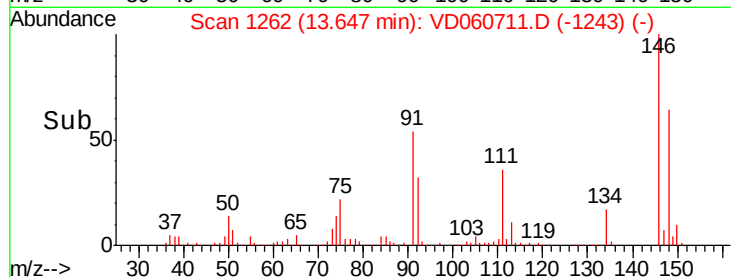
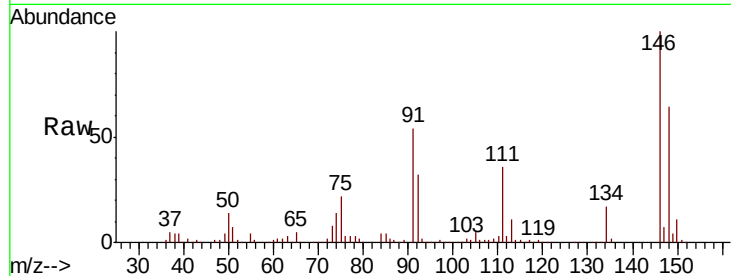
#91
 1,2-Dichlorobenzene
 Concen: 22.323 ug/l
 RT: 13.65 min Scan# 1262
 Delta R.T. -0.01 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.1	19.3	57.9
148	63.8	31.9	95.9

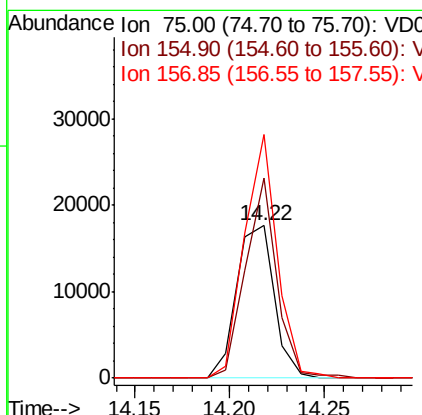
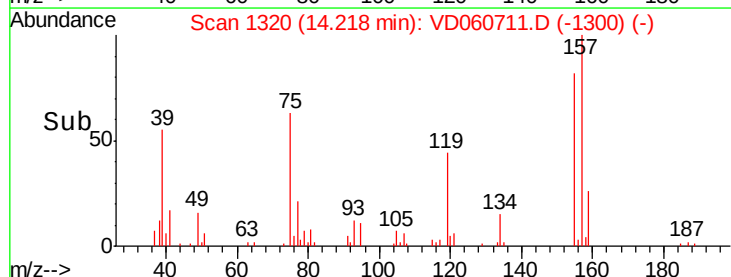
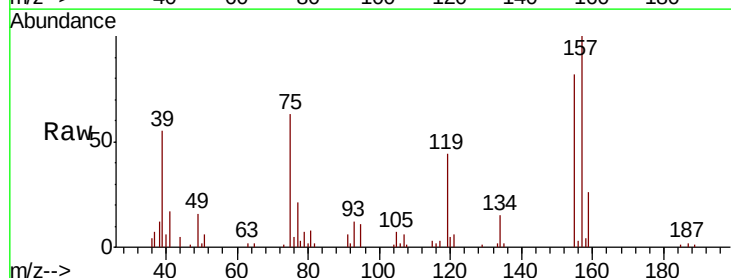
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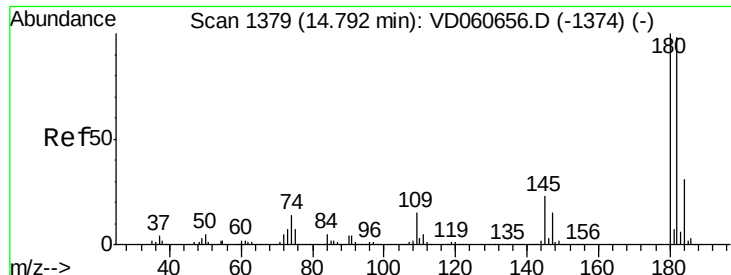
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.097 ug/l
 RT: 14.22 min Scan# 1320
 Delta R.T. -0.00 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
75	100		
155	131.3	41.1	123.4#
157	160.0	52.5	157.6#





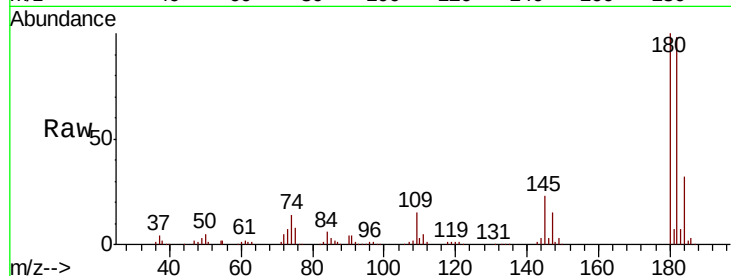
#93
 1,2,4-Trichlorobenzene
 Concen: 21.360 ug/l
 RT: 14.78 min Scan# 1377
 Delta R.T. -0.01 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Instrument :
 MSVOA_D
 ClientSampleId :
 VD1226SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	397951		
182	97.8	48.8	146.4	
145	22.9	11.8	35.3	

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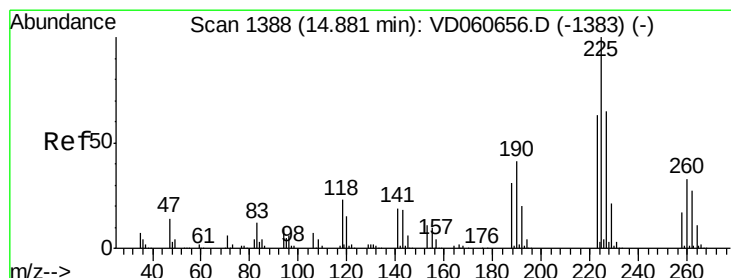
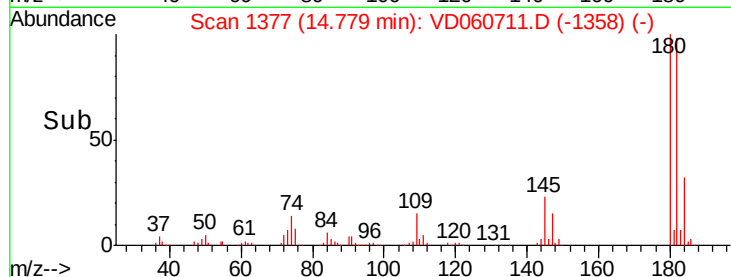
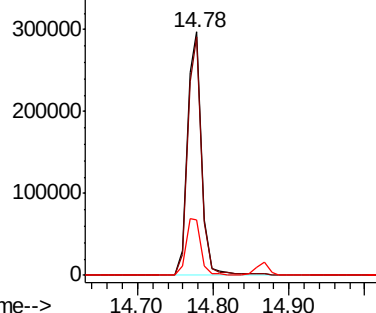


Abundance

Ion 179.85 (179.55 to 180.55): V

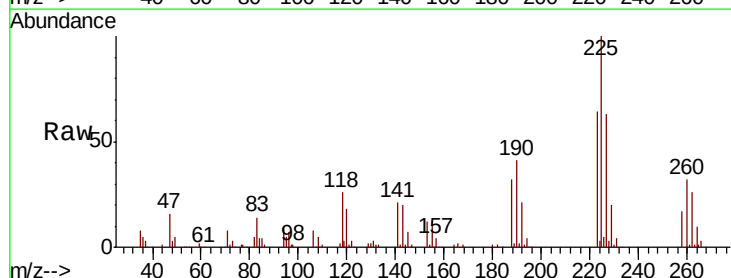
Ion 181.85 (181.55 to 182.55): V

Ion 144.95 (144.65 to 145.65): V



#94
 Hexachlorobutadiene
 Concen: 20.690 ug/l
 RT: 14.87 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: VD060711.D
 Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	284929		
223	64.1	31.3	93.8	
227	62.9	32.5	97.4	

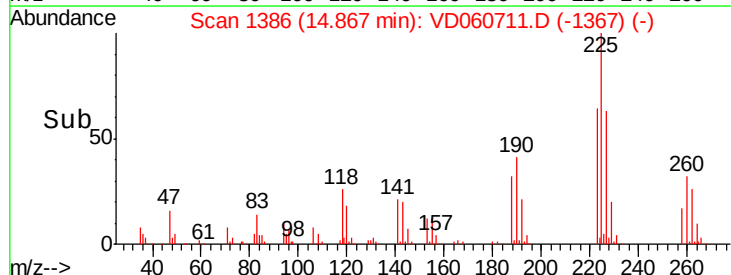
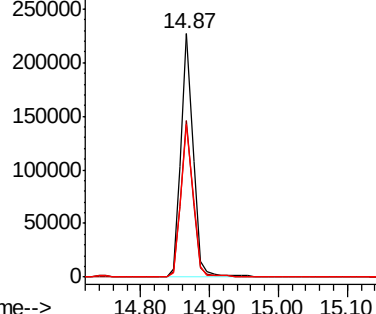


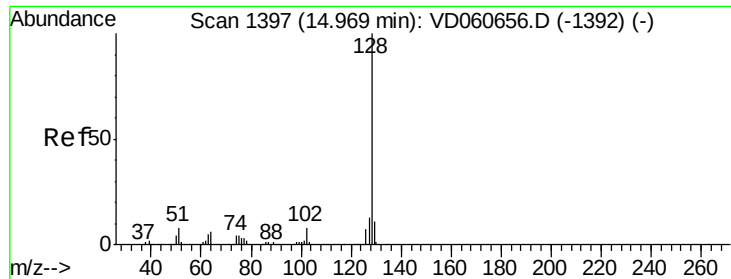
Abundance

Ion 224.75 (224.45 to 225.45): V

Ion 222.75 (222.45 to 223.45): V

Ion 226.75 (226.45 to 227.45): V





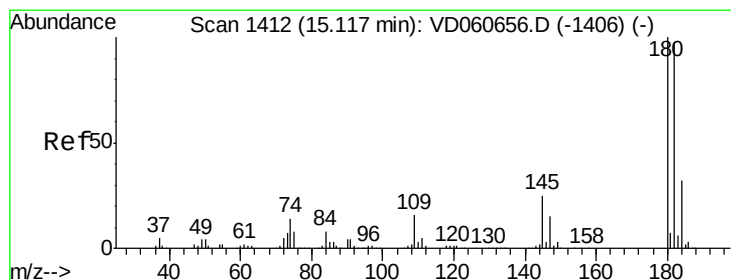
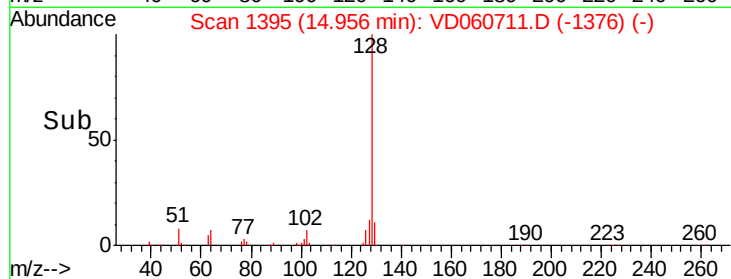
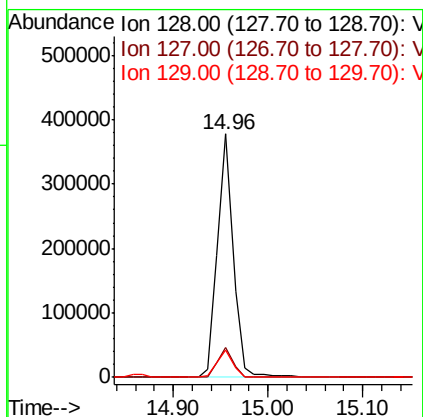
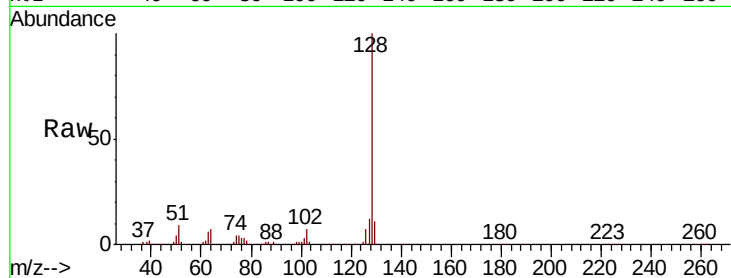
#95
Naphthalene
Concen: 19.949 ug/l
RT: 14.96 min Scan# 1395
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Instrument :
MSVOA_D
ClientSampleId :
VD1226SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.1	15.1
129	11.1	8.6	13.0

Manual Integrations
APPROVED

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#96
1,2,3-Trichlorobenzene
Concen: 22.171 ug/l
RT: 15.10 min Scan# 1410
Delta R.T. -0.01 min
Lab File: VD060711.D
Acq: 26 Dec 2018 11:43

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.4	48.6	145.9
145	24.7	12.6	37.8

