

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060004.D
 Acq On : 14 Sep 2018 12:25
 Operator : JC/SY
 Sample : VD0914SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Manual Integrations
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 9/17/2018 1:00:59 PM

Quant Time: Sep 14 13:34:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 13 16:17:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.38	168	1474518	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.42	114	2021045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1670119	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	873984	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.76	65	615850	53.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.12%	
35) Dibromofluoromethane	6.29	113	820497	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	9.43	98	2312522	52.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.70%	
62) 4-Bromofluorobenzene	12.42	95	882733	52.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.60%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.56	85	270888	17.40	ug/l	100
3) Chloromethane	1.74	50	289530	21.06	ug/l	97
4) Vinyl Chloride	1.83	62	228810	20.70	ug/l	97
5) Bromomethane	2.11	94	21751	16.63	ug/l	99
6) Chloroethane	2.22	64	56556	22.89	ug/l #	87
7) Trichlorofluoromethane	2.48	101	257476	21.16	ug/l	98
8) Diethyl Ether	2.80	74	53831	20.81	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.06	101	160593	20.93	ug/l	98
10) Methyl Iodide	3.21	142	148545	18.28	ug/l	95
11) Tert butyl alcohol	3.95	59	84391	90.95	ug/l	99
12) 1,1-Dichloroethene	3.04	96	130879	21.57	ug/l	98
13) Acrolein	2.96	56	59653	103.82	ug/l	99
14) Allyl chloride	3.50	41	266688	20.84	ug/l	98
15) Acrylonitrile	4.05	53	348979	99.64	ug/l	97
16) Acetone	3.14	43	251390	113.24	ug/l	98
17) Carbon Disulfide	3.28	76	429264	20.54	ug/l	100
18) Methyl Acetate	3.53	43	89100	19.73	ug/l	97
19) Methyl tert-butyl Ether	4.09	73	562037	20.05	ug/l	97
20) Methylene Chloride	3.69	84	412465	22.09	ug/l	99
21) trans-1,2-Dichloroethene	4.06	96	323078	20.29	ug/l	94
22) Diisopropyl ether	4.83	45	1203354	20.62	ug/l	96
23) Vinyl Acetate	4.77	43	3528514	106.72	ug/l	99
24) 1,1-Dichloroethane	4.72	63	535820	20.46	ug/l	99
25) 2-Butanone	5.60	43	703349	117.40	ug/l	100
26) 1,2-Dichloropropane	5.56	77	423110	20.78	ug/l	97
27) cis-1,2-Dichloroethene	5.57	96	342182	20.55	ug/l	97
28) Bromochloromethane	5.90	49	260070	20.66	ug/l	100
29) Tetrahydrofuran	5.93	42	323801	100.78	ug/l	98
30) Chloroform	6.08	83	540025	20.33	ug/l	99
31) Cyclohexane	6.34	56	509593	19.96	ug/l	98
32) 1,1,1-Trichloroethane	6.26	97	448409	20.36	ug/l	100
36) 1,1-Dichloropropene	6.50	75	409141	20.38	ug/l	97
37) Ethyl Acetate	5.67	43	255441	18.50	ug/l	99
38) Carbon Tetrachloride	6.47	117	379409	20.24	ug/l	100

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.02	83	468941	20.65	ug/l	100
40) Benzene	6.77	78	1061720	20.75	ug/l	100
41) Methacrylonitrile	5.90	41	122394m	16.93	ug/l	
42) 1,2-Dichloroethane	6.87	62	311112	20.25	ug/l	99
43) Isopropyl Acetate	8.33	43	367001	19.85	ug/l #	99
44) Trichloroethene	7.72	130	312228	19.75	ug/l	98
45) 1,2-Dichloropropane	8.09	63	282344	20.64	ug/l	100
46) Dibromomethane	8.19	93	180283	20.19	ug/l	96
47) Bromodichloromethane	8.47	83	388250	20.17	ug/l	99
48) Methyl methacrylate	8.22	41	206603	20.07	ug/l	98
49) 1,4-Dioxane	8.21	88	39360	384.93	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1473199	109.16	ug/l	100
52) Toluene	9.53	92	694953	21.19	ug/l	98
53) t-1,3-Dichloropropene	9.91	75	364958	20.33	ug/l	100
54) cis-1,3-Dichloropropene	9.08	75	426893	19.90	ug/l	95
55) 1,1,2-Trichloroethane	10.16	97	225829	19.83	ug/l	99
56) Ethyl methacrylate	10.01	69	247513	19.60	ug/l	95
57) 1,3-Dichloropropane	10.37	76	330906	19.69	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.90	63	648126	106.26	ug/l	96
59) 2-Hexanone	10.48	43	1060480	109.08	ug/l	99
60) Dibromochloromethane	10.62	129	279334	20.15	ug/l	97
61) 1,2-Dibromoethane	10.74	107	237712	20.22	ug/l	99
64) Tetrachloroethene	10.23	164	297993	20.22	ug/l	98
65) Chlorobenzene	11.30	112	741008	20.64	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	257259	21.24	ug/l	98
67) Ethyl Benzene	11.41	91	1271942	22.01	ug/l	96
68) m/p-Xylenes	11.56	106	952745	44.64	ug/l	97
69) o-Xylene	11.92	106	455739	21.55	ug/l	99
70) Styrene	11.94	104	773658	21.76	ug/l	96
71) Bromoform	12.11	173	197168	18.95	ug/l	97
73) Isopropylbenzene	12.27	105	1217606	21.24	ug/l	99
74) N-amyl acetate	12.12	43	466785	20.56	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.55	83	265983	20.45	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	271428	20.33	ug/l	100
77) Bromobenzene	12.53	156	353171	21.39	ug/l	95
78) n-propylbenzene	12.63	91	1613570	22.39	ug/l	100
79) 2-Chlorotoluene	12.70	91	847703	20.84	ug/l	98
80) 1,3,5-Trimethylbenzene	12.78	105	987804	22.48	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.34	75	77200	19.16	ug/l	99
82) 4-Chlorotoluene	12.80	91	1008264	22.54	ug/l	99
83) tert-Butylbenzene	13.04	119	1089790	21.41	ug/l	93
84) 1,2,4-Trimethylbenzene	13.08	105	1027184	21.91	ug/l	99
85) sec-Butylbenzene	13.21	105	1307262	21.64	ug/l	99
86) p-Isopropyltoluene	13.33	119	1074335	21.99	ug/l	96
87) 1,3-Dichlorobenzene	13.30	146	620595	21.61	ug/l	98
88) 1,4-Dichlorobenzene	13.38	146	624360	21.44	ug/l	97
89) n-Butylbenzene	13.64	91	1126312	21.47	ug/l	96
90) Hexachloroethane	13.85	117	254478	21.03	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	549025	20.70	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37362	18.85	ug/l	95

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ClientSampleId :
VD0914SBSD01

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Quant Time: Sep 14 13:34:36 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	437591	21.39	ug/l	98
94) Hexachlorobutadiene	14.88	225	294877	21.79	ug/l	99
95) Naphthalene	14.95	128	626452	19.82	ug/l	100
96) 1,2,3-Trichlorobenzene	15.10	180	366509	20.33	ug/l	96

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

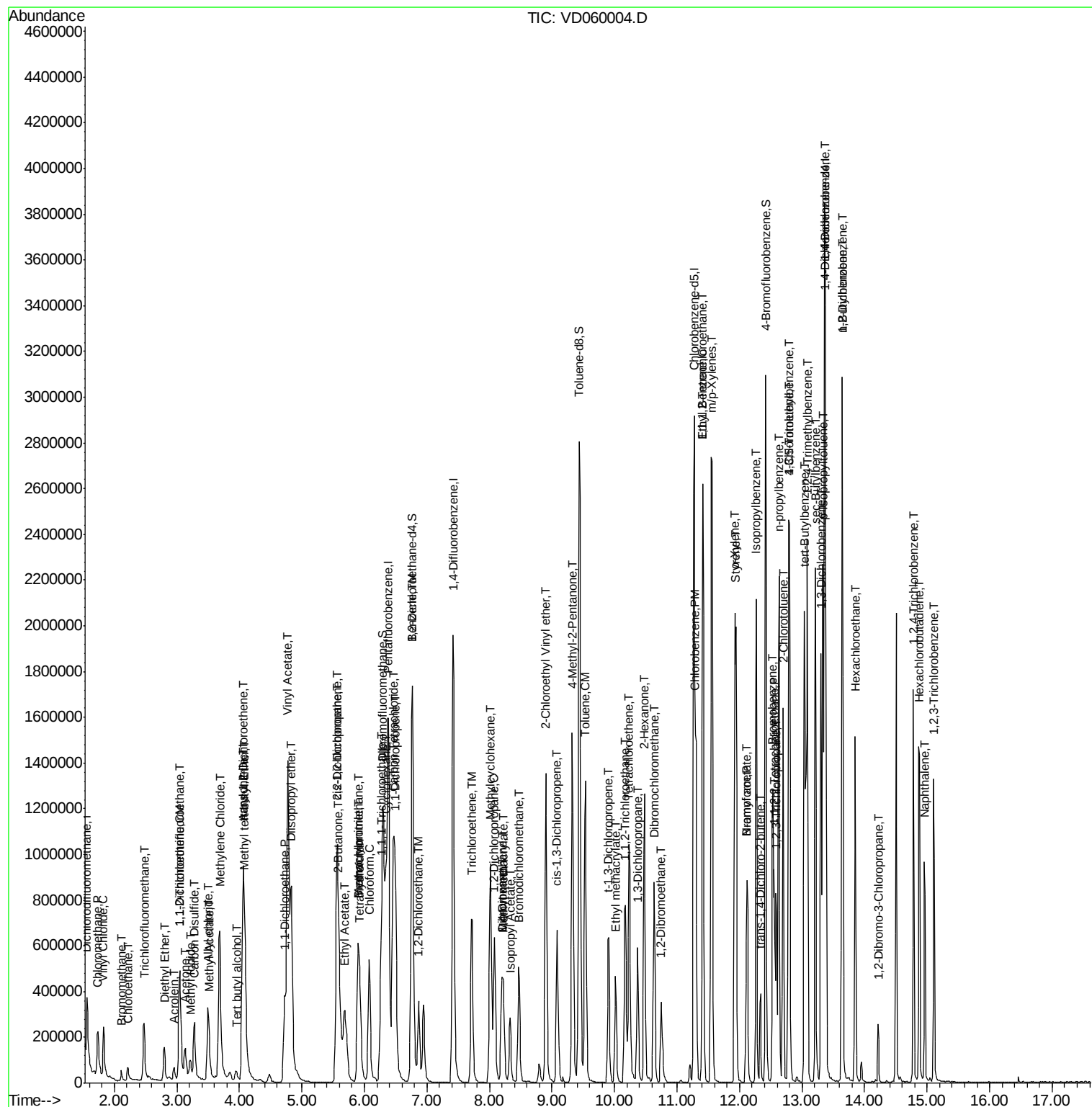
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD091418\
 Data File : VD060004.D
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 Misc : 5.00g/5ml/MSVOA D/SOIL
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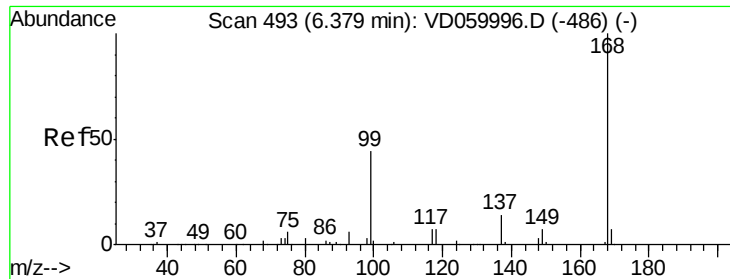
Instrument :
 MSVOA_D
 ClientSampleID :
 VD0914SBSD01

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#1

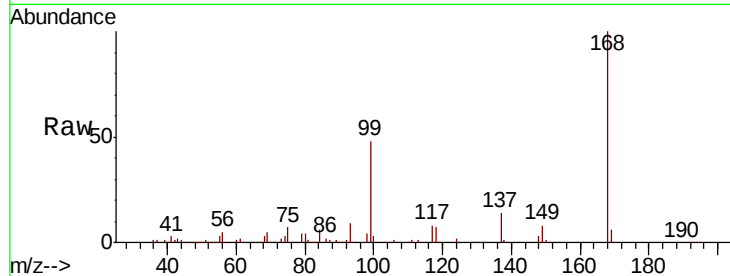
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

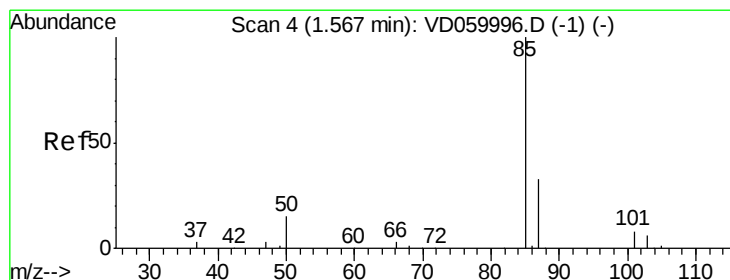
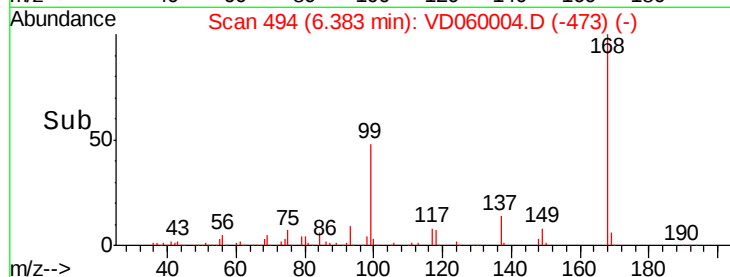
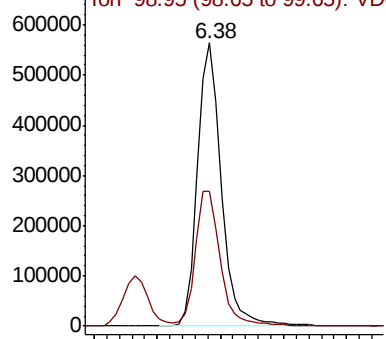
Tot Ion:168 Resp: 1474518
 Ion Ratio Lower Upper
 168 100
 99 47.8 38.5 57.7

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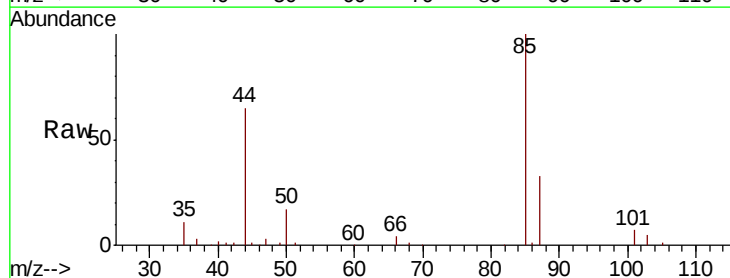
Abundance Ion 167.90 (167.60 to 168.60): V



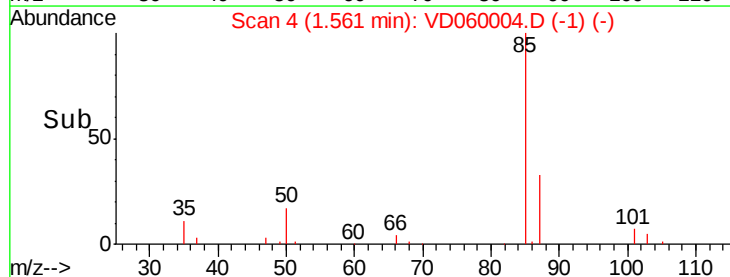
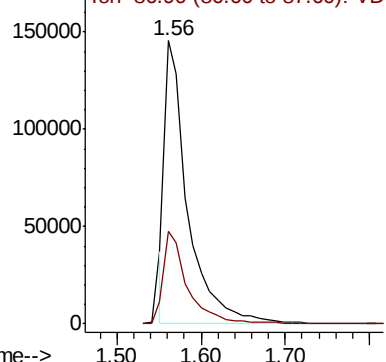
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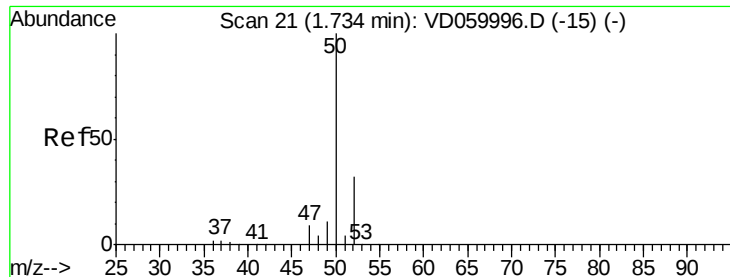
Dichlorodifluoromethane
 Concen: 17.40 ug/l
 RT: 1.56 min Scan# 4
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 85 Resp: 270888
 Ion Ratio Lower Upper
 85 100
 87 32.8 16.4 49.1



Abundance Ion 84.95 (84.65 to 85.65): V





#3

Chloromethane

Concen: 21.06 ug/l

RT: 1.74 min Scan# 22

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBSD01

Tot Ion: 50 Resp: 289530

Ion Ratio Lower Upper

50 100

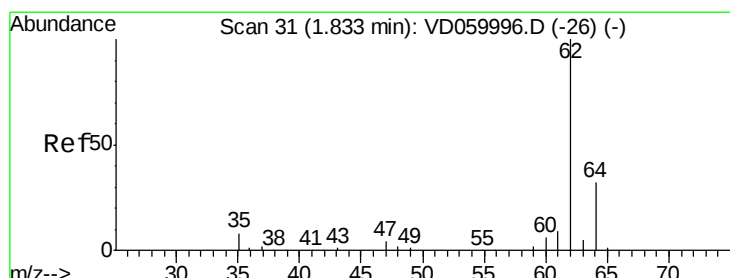
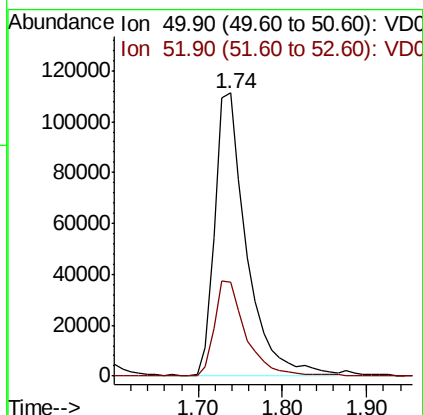
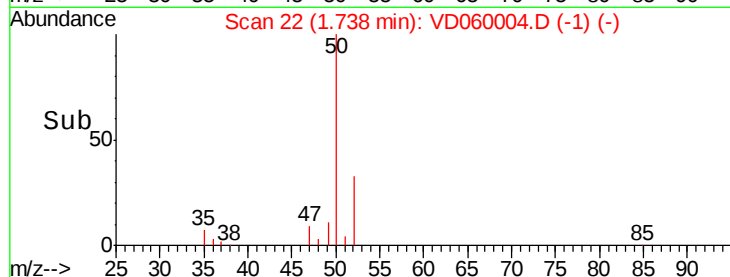
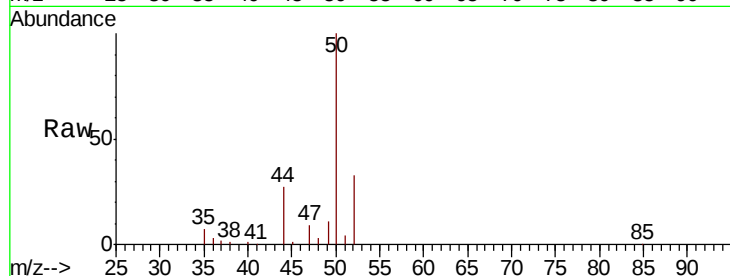
52 33.4 25.4 38.2

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.70 ug/l

RT: 1.83 min Scan# 31

Delta R.T. -0.01 min

Lab File: VD060004.D

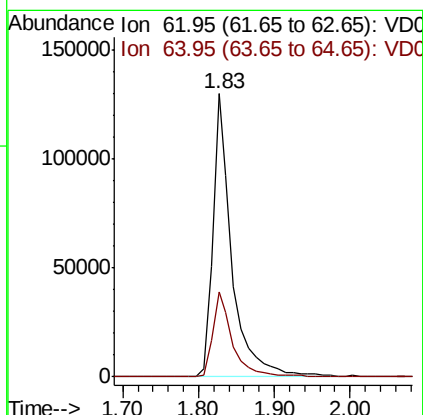
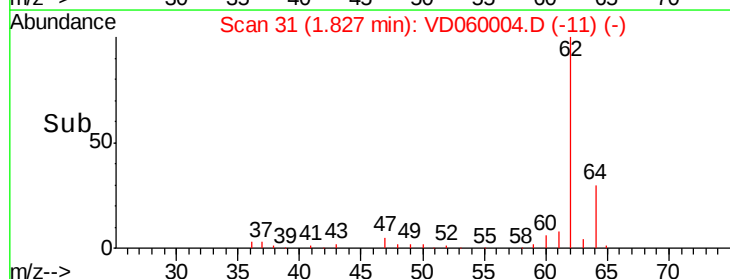
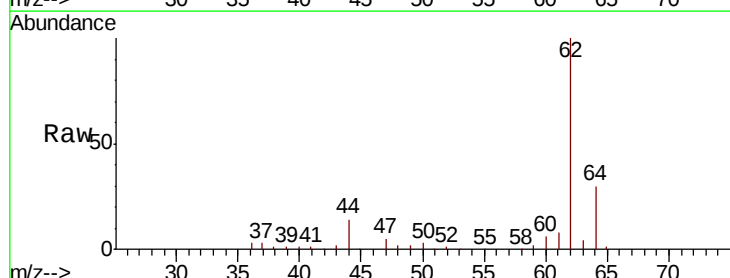
Acq: 14 Sep 2018 12:25

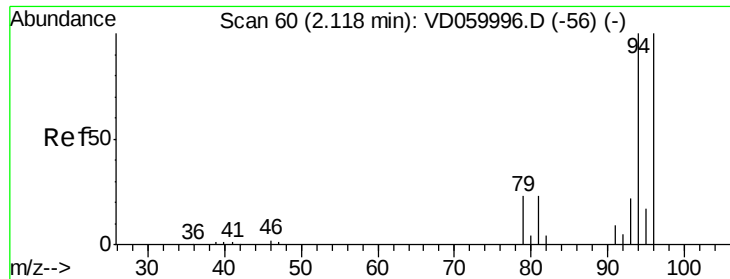
Tgt Ion: 62 Resp: 228810

Ion Ratio Lower Upper

62 100

64 30.1 25.5 38.3





#5

Bromomethane

Concen: 16.63 ug/l

RT: 2.11 min Scan# 60

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 94 Resp: 21751

Ion Ratio Lower Upper

94 100

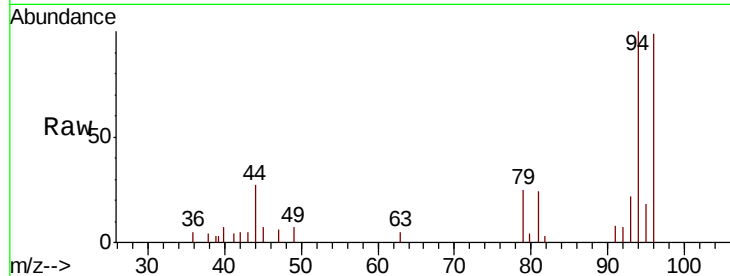
96 98.5 79.8 119.8

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

15000

10000

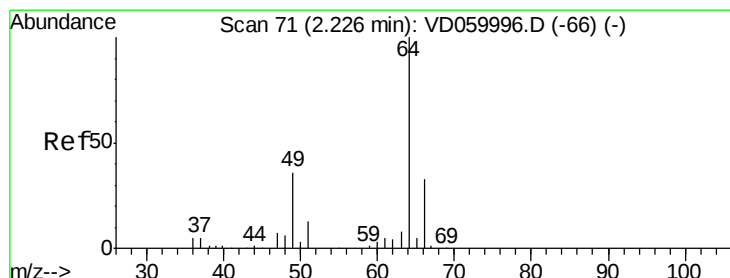
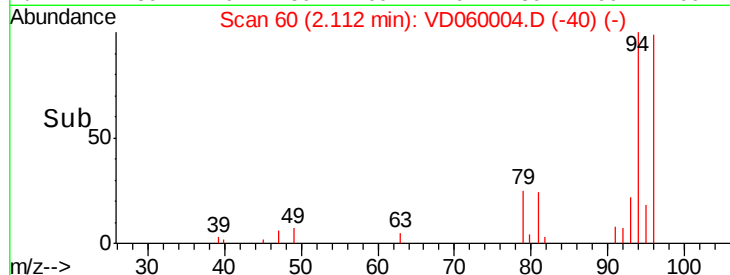
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Time-->

2.05 2.10 2.15 2.20

2.11



#6

Chloroethane

Concen: 22.89 ug/l

RT: 2.22 min Scan# 71

Delta R.T. -0.01 min

Lab File: VD060004.D

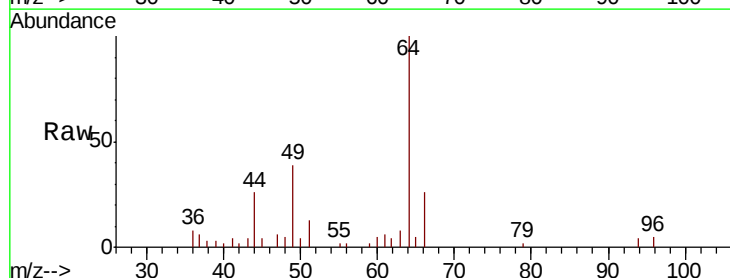
Acq: 14 Sep 2018 12:25

Tgt Ion: 64 Resp: 56556

Ion Ratio Lower Upper

64 100

66 26.0 26.5 39.7#



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

25000

20000

15000

10000

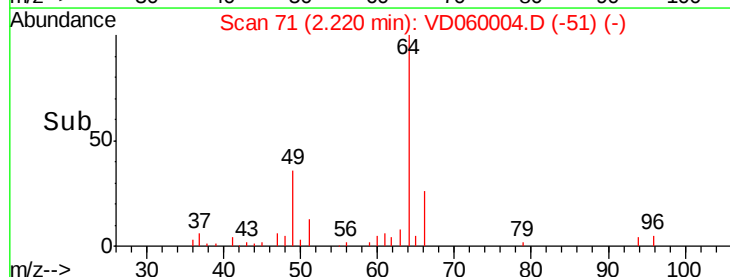
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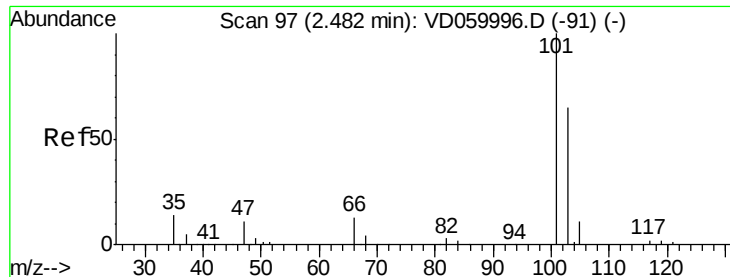
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Time-->

2.10 2.20 2.30 2.40

2.22





#7

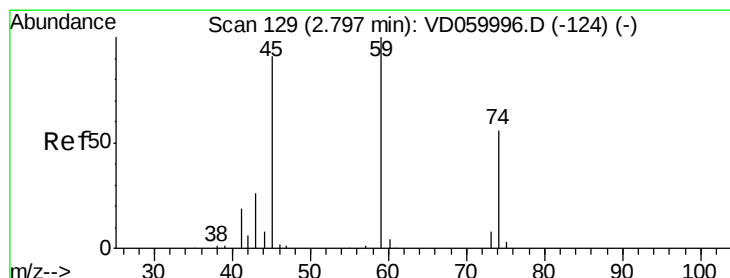
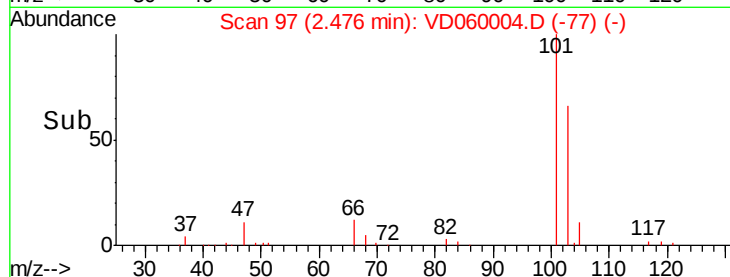
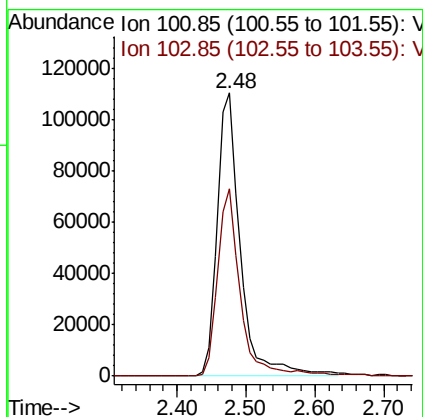
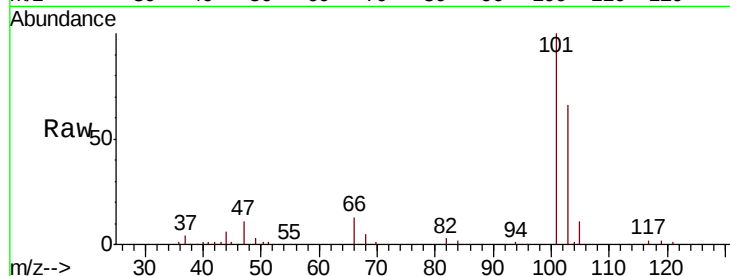
Trichlorofluoromethane
 Concen: 21.16 ug/l
 RT: 2.48 min Scan# 97
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
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 ClientSampleId :
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Tot Ion:101 Resp: 257476
 Ion Ratio Lower Upper
 101 100
 103 66.0 51.6 77.4

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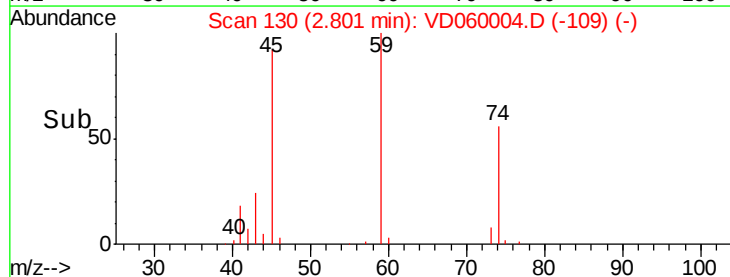
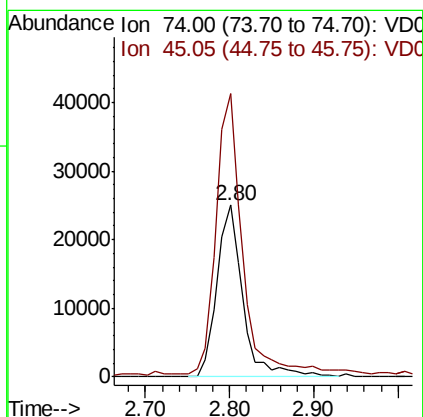
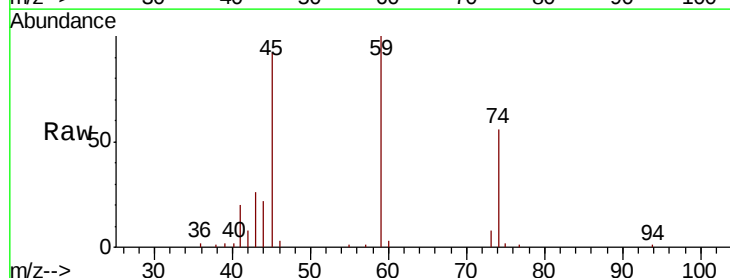
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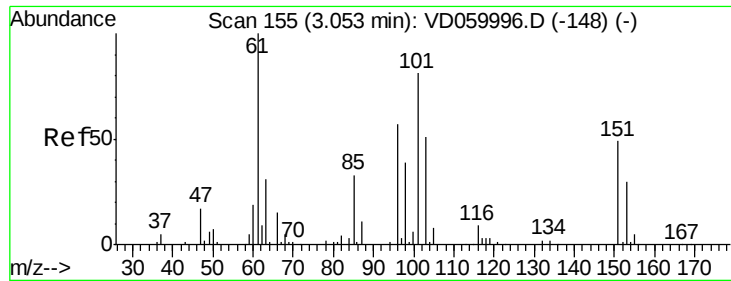


#8

Diethyl Ether
 Concen: 20.81 ug/l
 RT: 2.80 min Scan# 130
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 74 Resp: 53831
 Ion Ratio Lower Upper
 74 100
 45 164.6 81.2 243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.93 ug/l

RT: 3.06 min Scan# 156

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

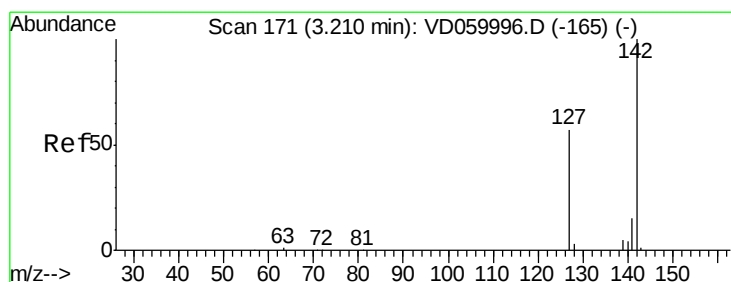
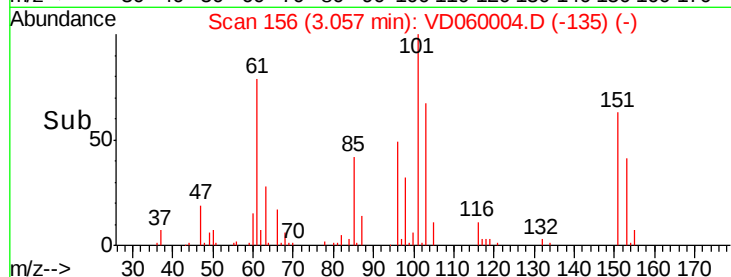
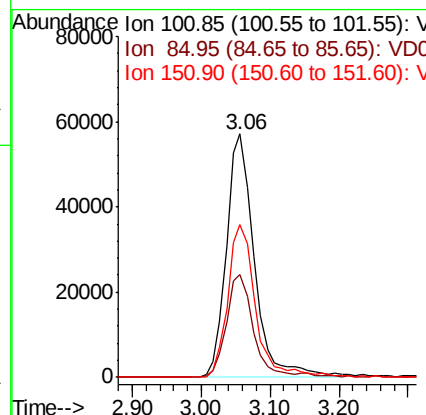
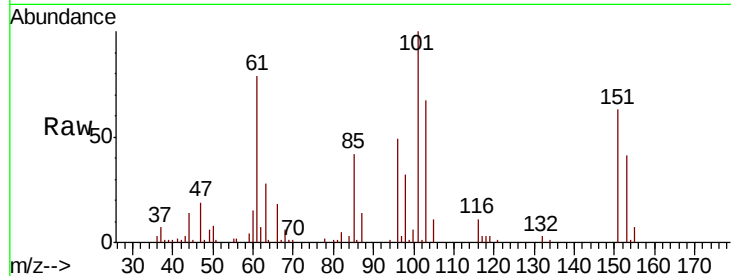
ClientSampleId :

VD0914SBS01

Tot Ion:	101	Resp:	160593
Ion Ratio	Lower	Upper	
101	100		
85	42.3	33.1	49.7
151	62.6	48.2	72.4

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#10

Methyl Iodide

Concen: 18.28 ug/l

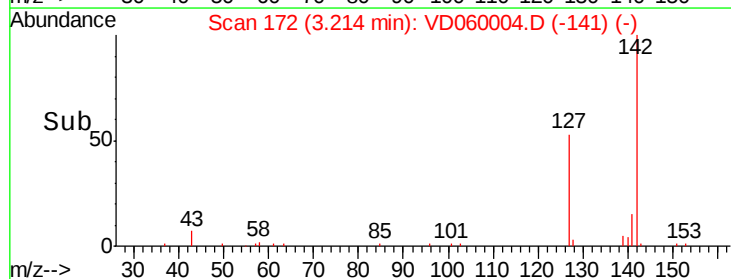
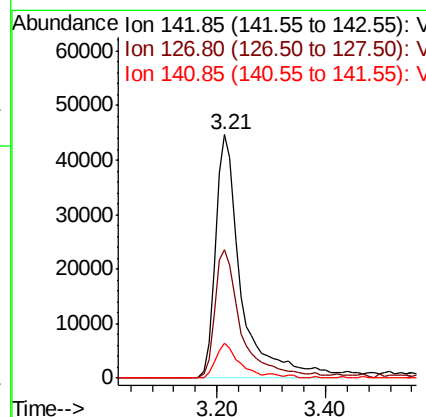
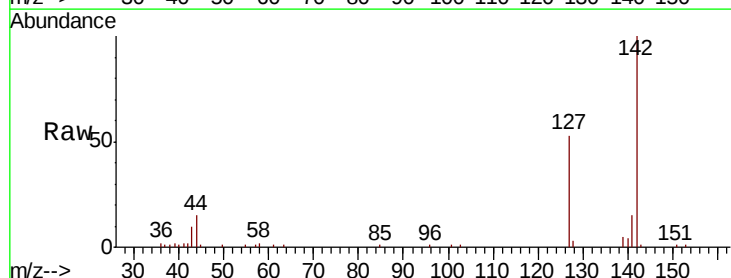
RT: 3.21 min Scan# 172

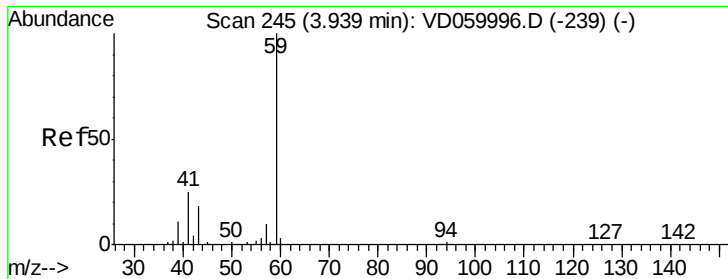
Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tgt Ion:	142	Resp:	148545
Ion Ratio	Lower	Upper	
142	100		
127	52.8	45.8	68.8
141	14.6	12.2	18.4





#11

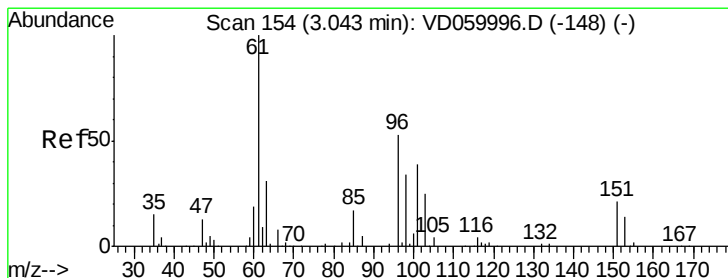
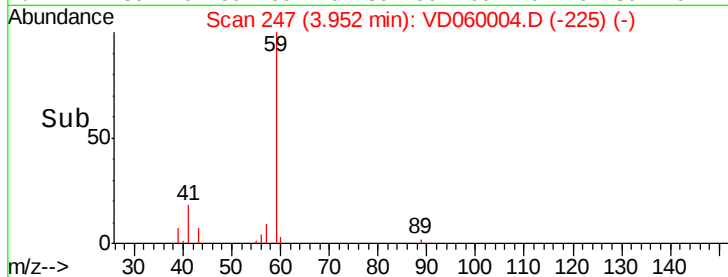
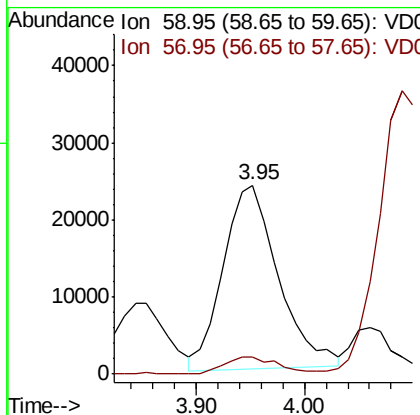
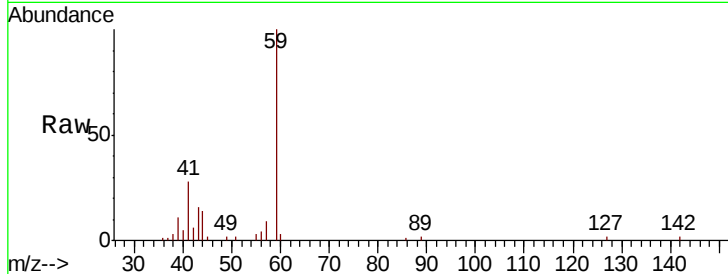
Tert butyl alcohol
 Concen: 90.95 ug/l
 RT: 3.95 min Scan# 247
 Delta R.T. 0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	8.8	7.4	11.2

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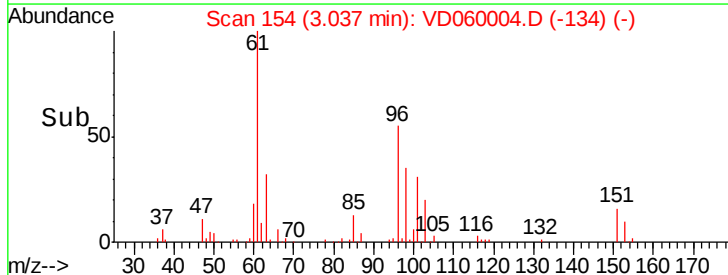
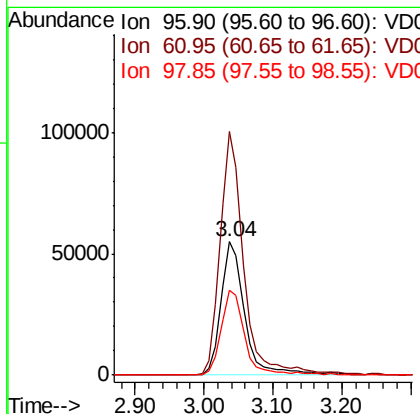
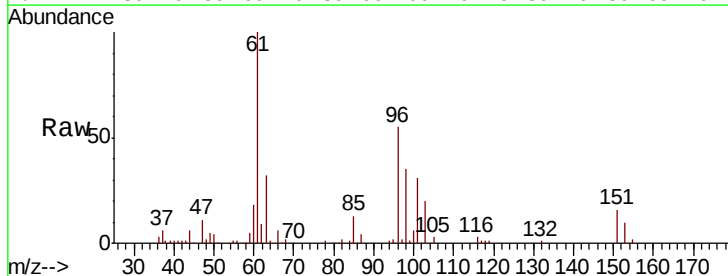
apatel
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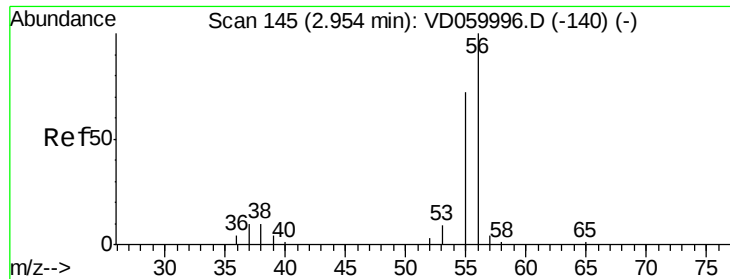


#12

1,1-Dichloroethene
 Concen: 21.57 ug/l
 RT: 3.04 min Scan# 154
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	183.0	149.8	224.6
98	63.8	50.2	75.4





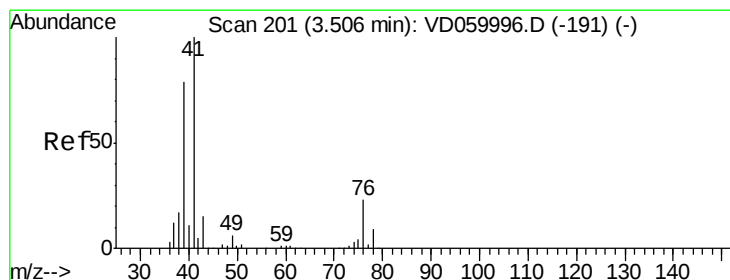
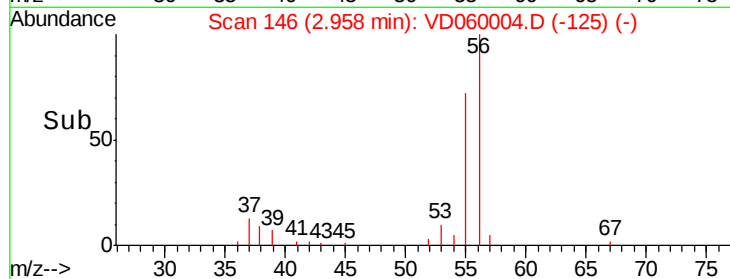
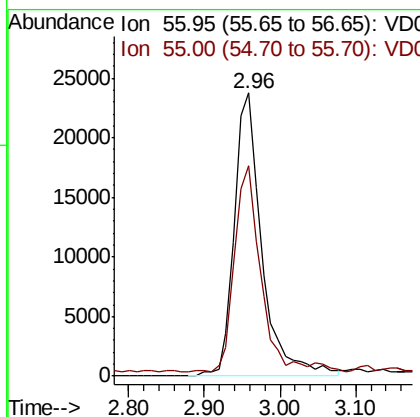
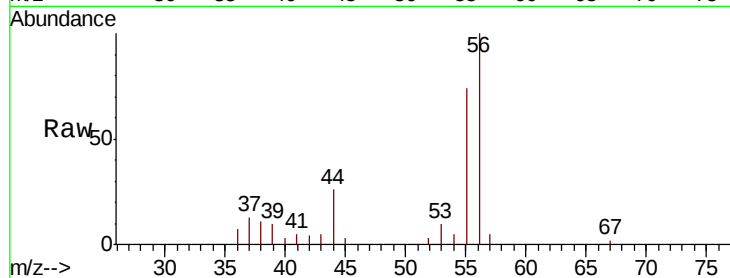
#13
Acrolein
Concen: 103.82 ug/l
RT: 2.96 min Scan# 146
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion	56	55	Ratio	Lower	Upper
59653	100	74.2		58.3	87.5

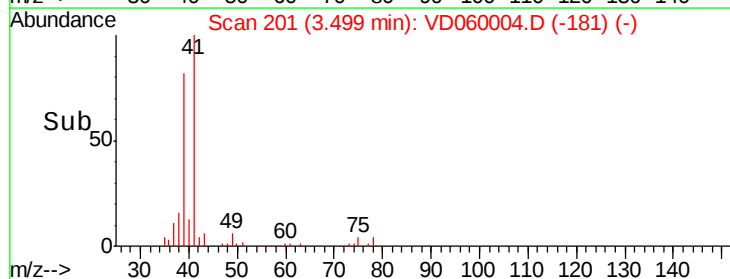
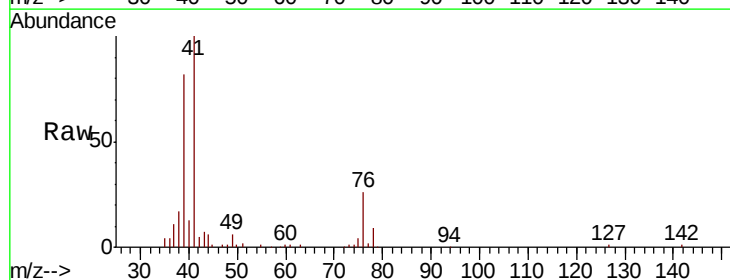
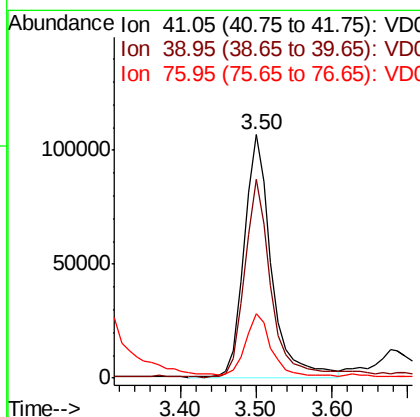
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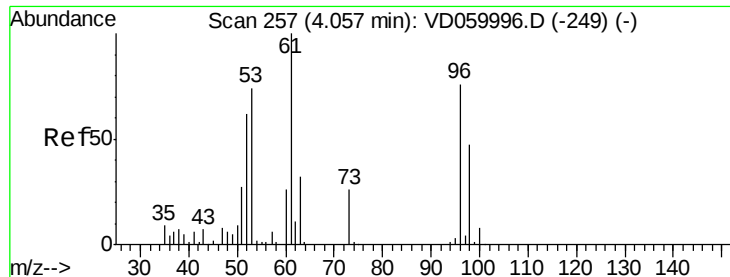
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#14
Allyl chloride
Concen: 20.84 ug/l
RT: 3.50 min Scan# 201
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion	41	39	76	Ratio	Lower	Upper
266688	100	81.8	26.2		63.6	95.4
					21.1	31.7





#15

Acrylonitrile

Concen: 99.64 ug/l

RT: 4.05 min Scan# 257

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

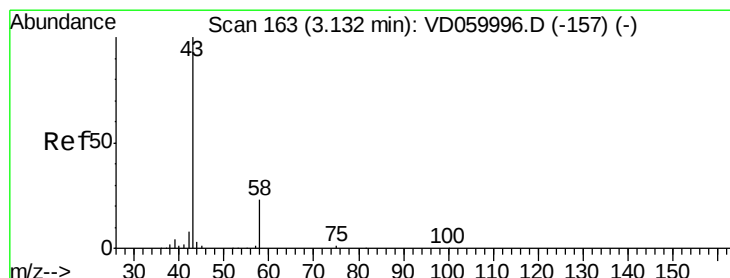
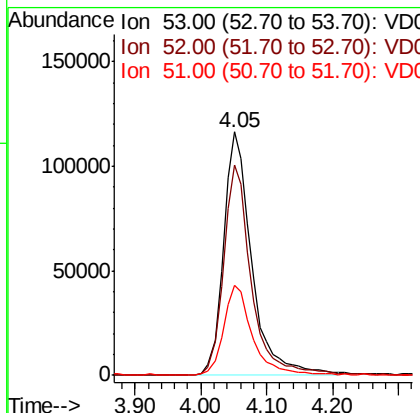
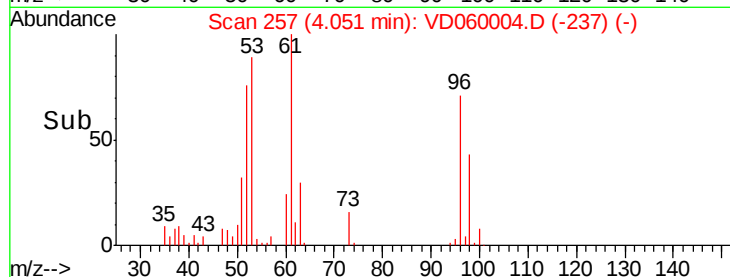
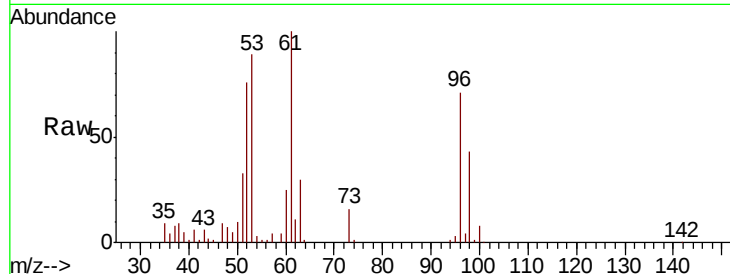
ClientSampleId :

VD0914SBS01

Tot Ion:	53	Resp:	348979
Ion	Ratio	Lower	Upper
53	100		
52	86.3	66.7	100.1
51	37.2	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 113.24 ug/l

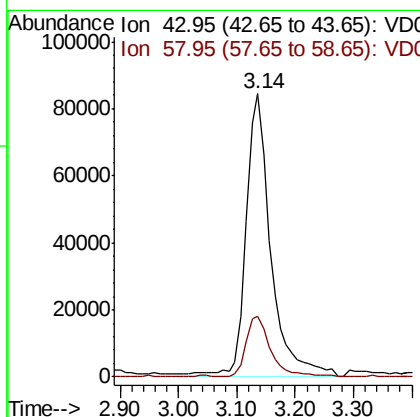
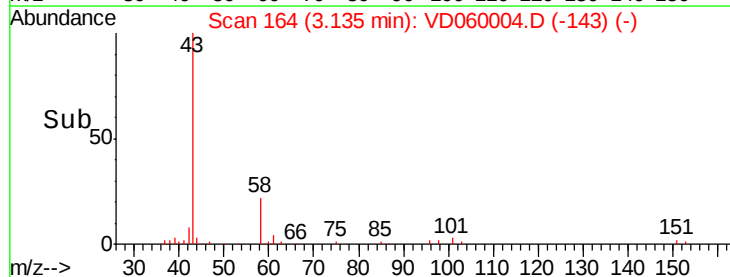
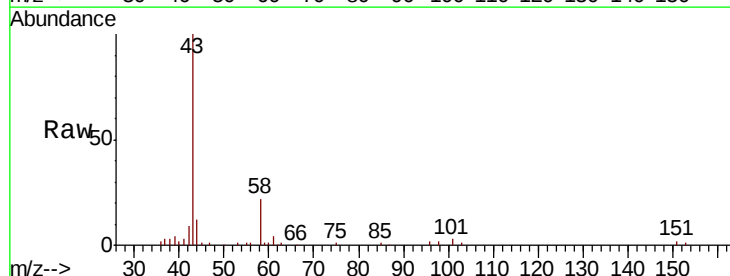
RT: 3.14 min Scan# 164

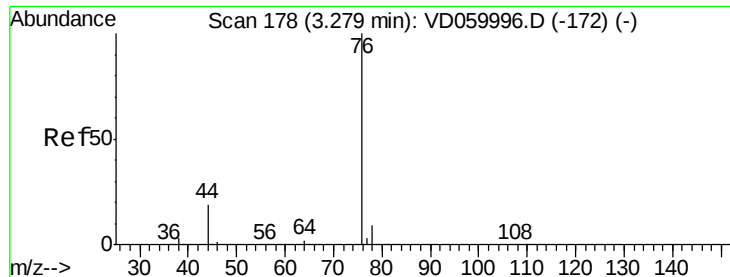
Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tgt Ion:	43	Resp:	251390
Ion	Ratio	Lower	Upper
43	100		
58	21.6	18.1	27.1





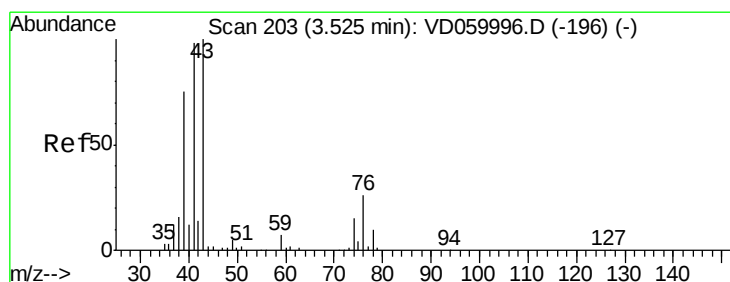
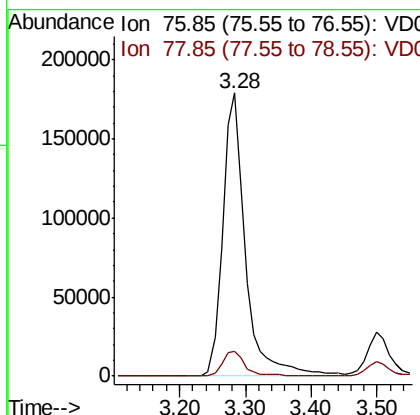
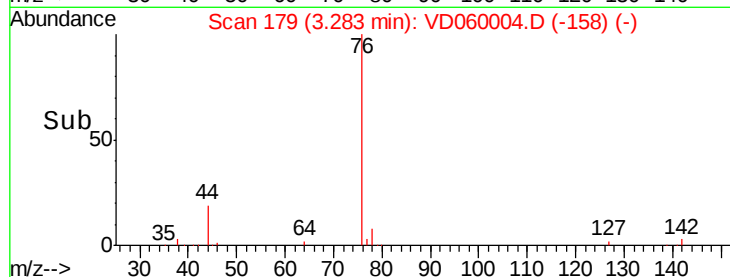
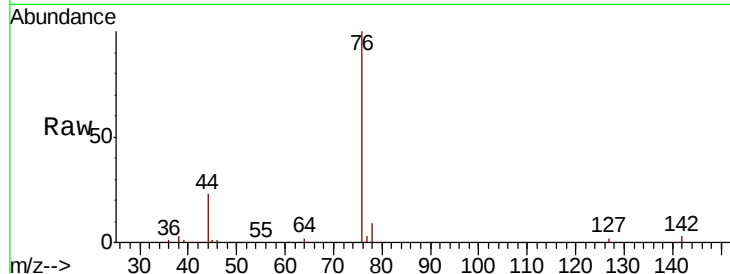
#17
Carbon Disulfide
Concen: 20.54 ug/l
RT: 3.28 min Scan# 179
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4

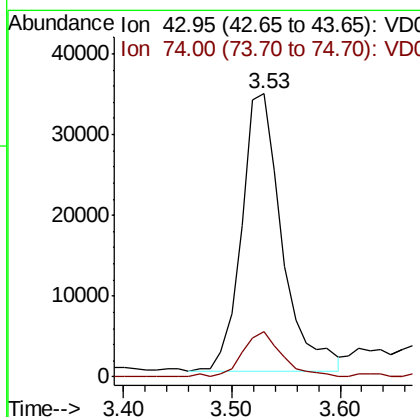
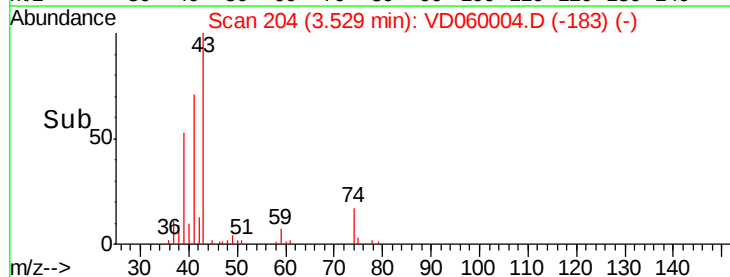
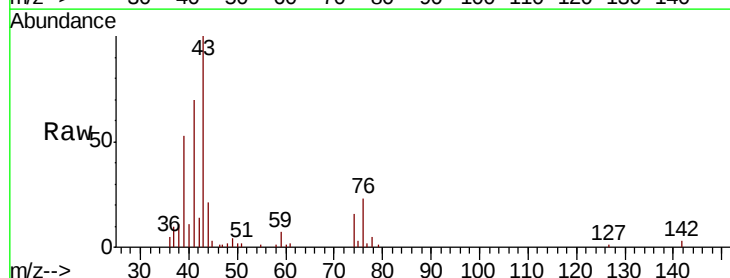
Manual Integrations
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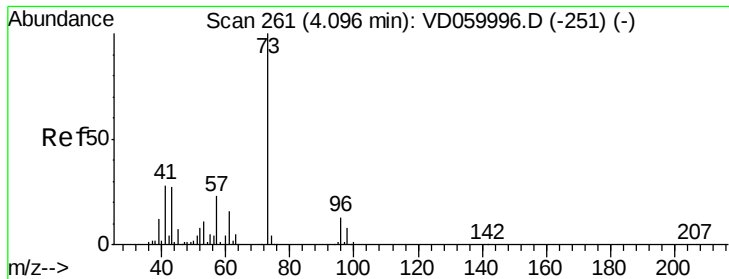
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#18
Methyl Acetate
Concen: 19.73 ug/l
RT: 3.53 min Scan# 204
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
43	100		
74	16.1	11.8	17.8





#19

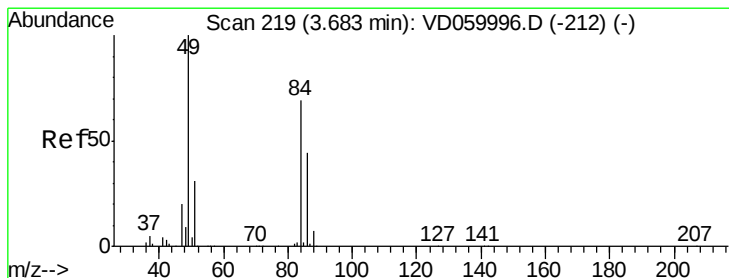
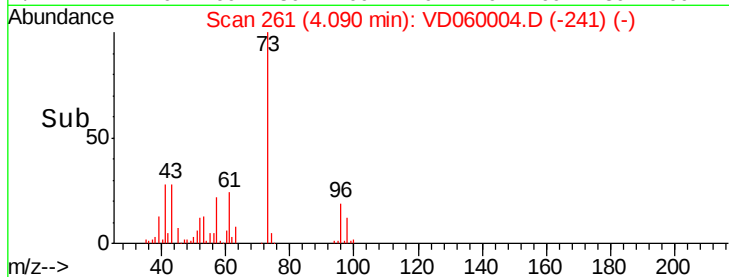
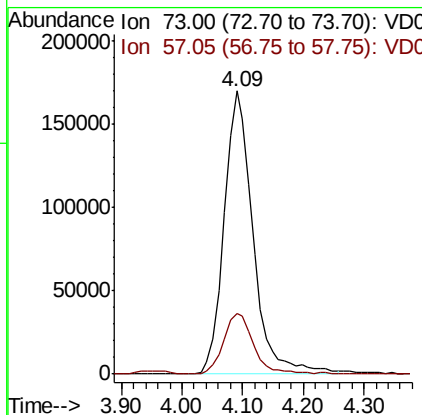
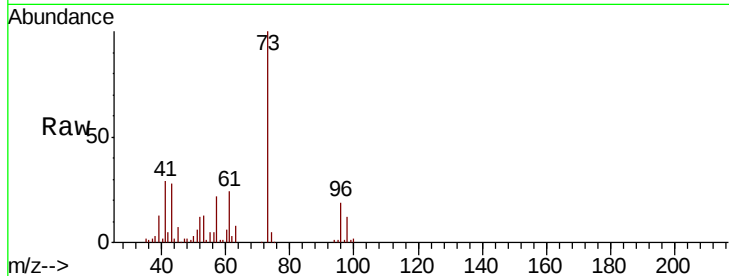
Methyl tert-butyl Ether
 Concen: 20.05 ug/l
 RT: 4.09 min Scan# 261
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0914SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.6	18.4	27.6

Manual Integrations
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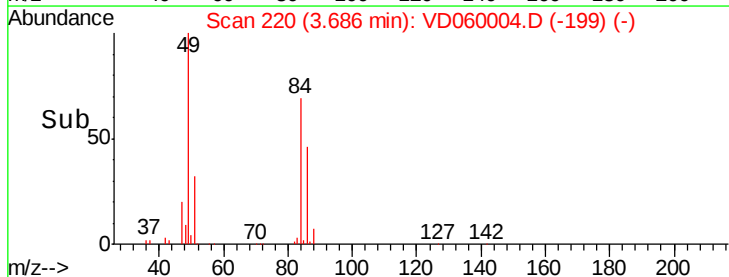
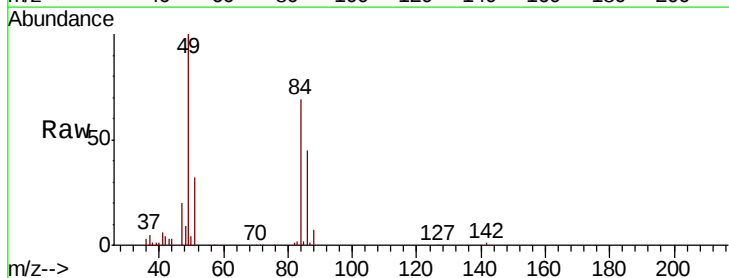
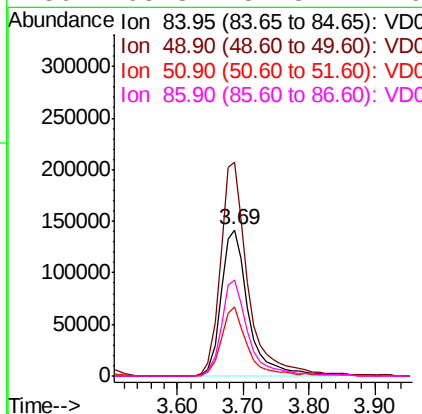
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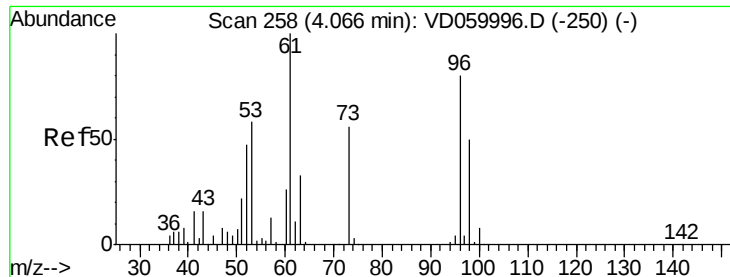


#20

Methylene Chloride
 Concen: 22.09 ug/l
 RT: 3.69 min Scan# 220
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
84	100		
49	145.9	116.6	175.0
51	47.0	35.9	53.9
86	65.8	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 20.29 ug/l

RT: 4.06 min Scan# 258

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 96 Resp: 323078

Ion Ratio Lower Upper

96 100

61 134.3 100.1 150.1

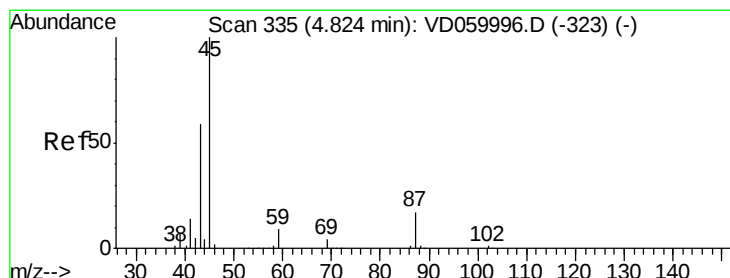
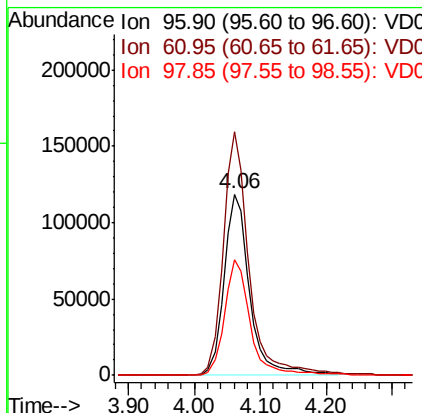
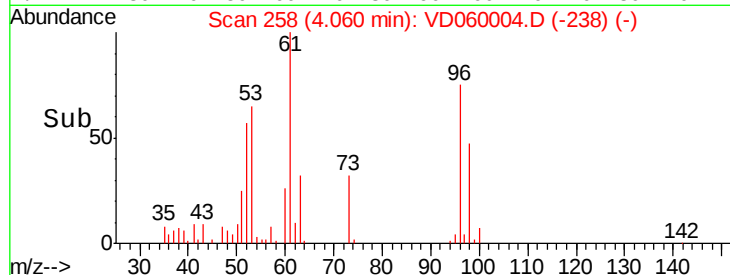
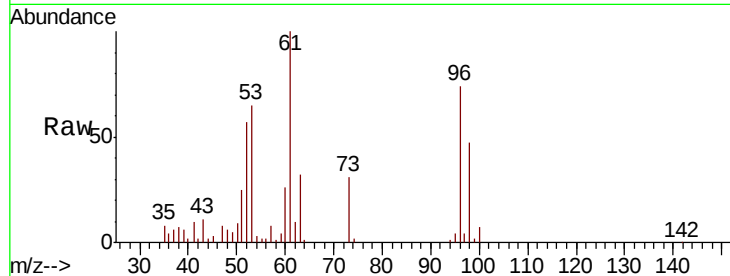
98 63.6 49.5 74.3

Manual Integrations

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#22

Diisopropyl ether

Concen: 20.62 ug/l

RT: 4.83 min Scan# 336

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tgt Ion: 45 Resp: 1203354

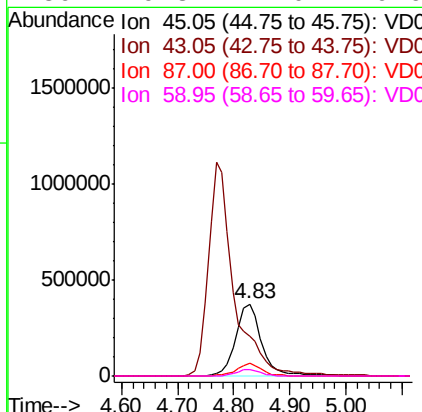
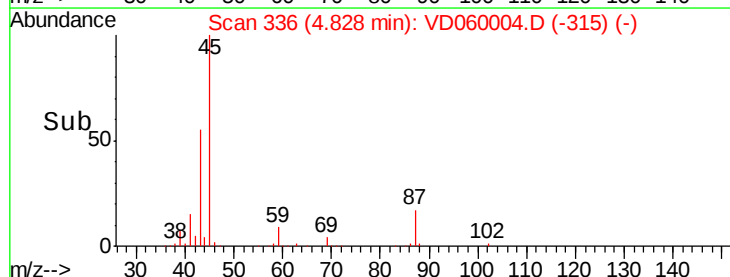
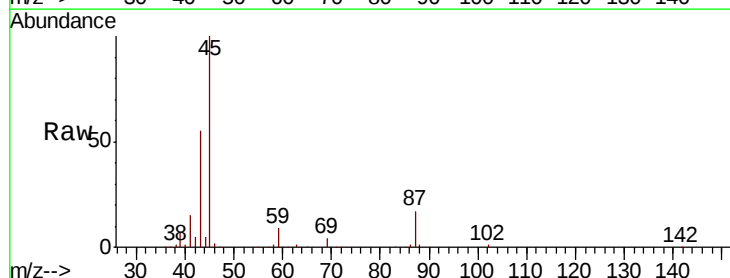
Ion Ratio Lower Upper

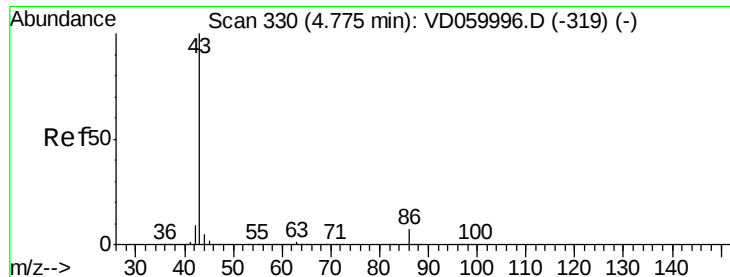
45 100

43 55.3 47.1 70.7

87 17.3 14.2 21.2

59 9.3 7.0 10.6





#23

Vinyl Acetate

Concen: 106.72 ug/l

RT: 4.77 min Scan# 330

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 43 Resp: 3528514

Ion Ratio Lower Upper

43 100

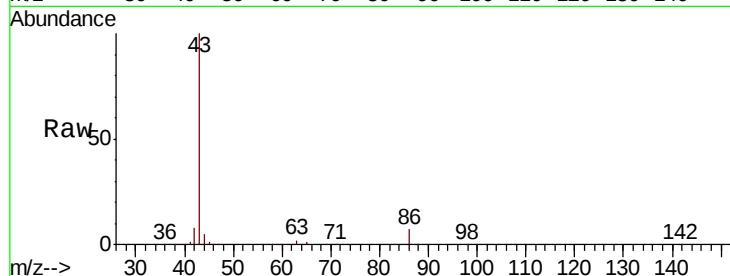
86 6.7 5.5 8.3

Manual Integrations

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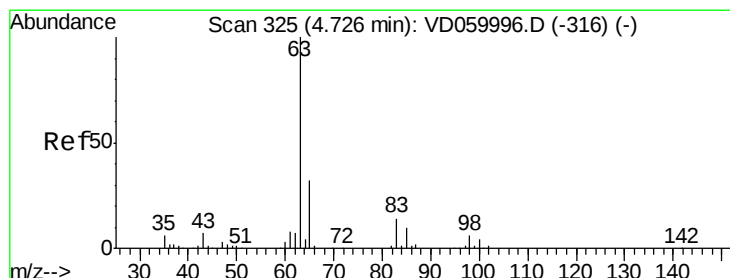
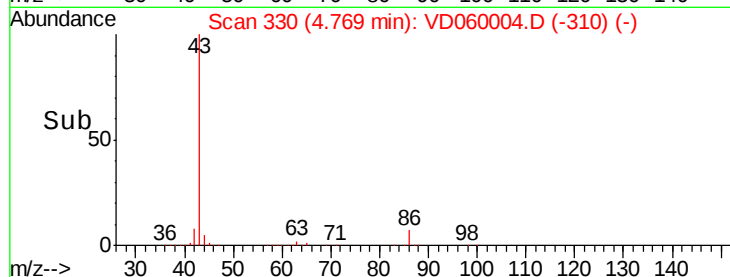
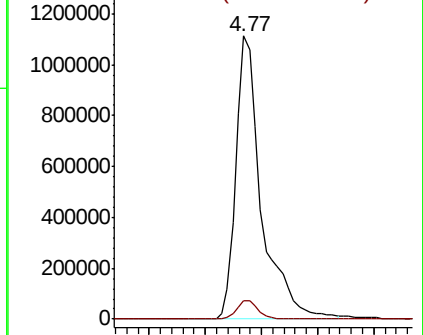
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 20.46 ug/l

RT: 4.72 min Scan# 325

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

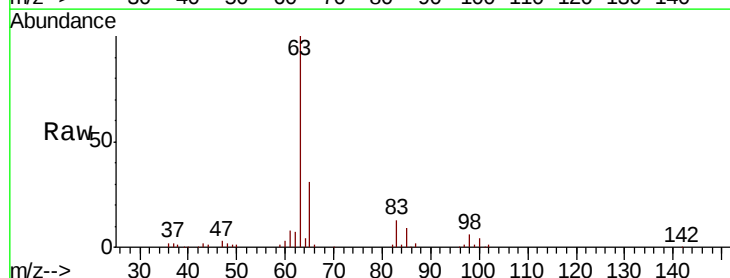
Tgt Ion: 63 Resp: 535820

Ion Ratio Lower Upper

63 100

98 5.5 2.9 8.6

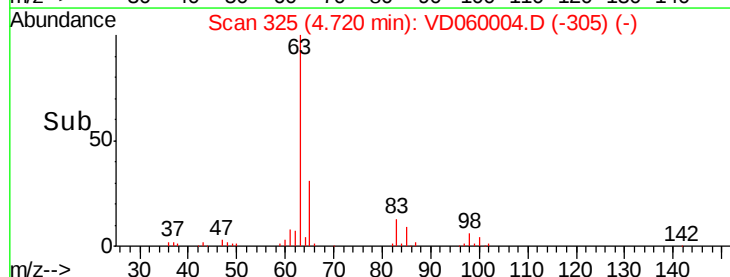
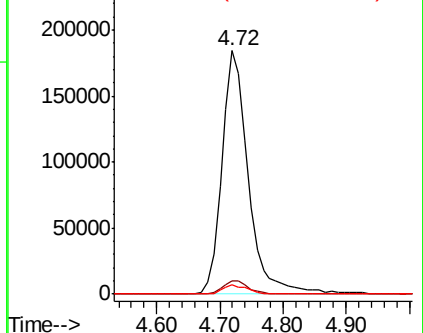
100 3.8 1.8 5.4

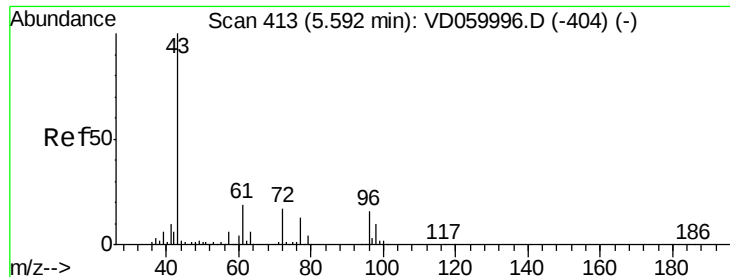


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 117.40 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 43 Resp: 703349

Ion Ratio Lower Upper

43 100

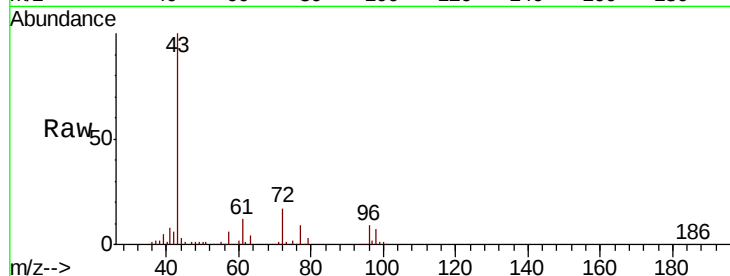
72 17.1 13.6 20.4

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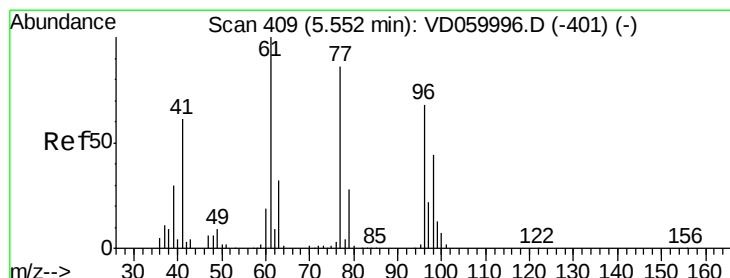
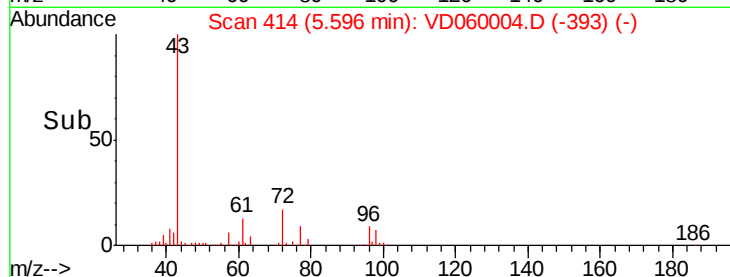
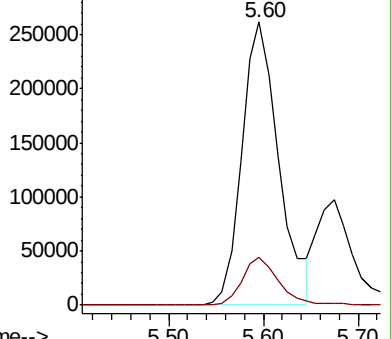
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.78 ug/l

RT: 5.56 min Scan# 410

Delta R.T. 0.00 min

Lab File: VD060004.D

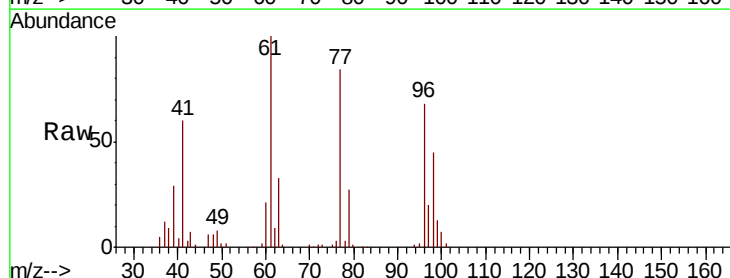
Acq: 14 Sep 2018 12:25

Tgt Ion: 77 Resp: 423110

Ion Ratio Lower Upper

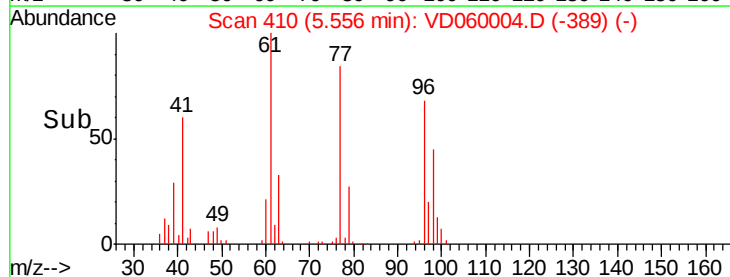
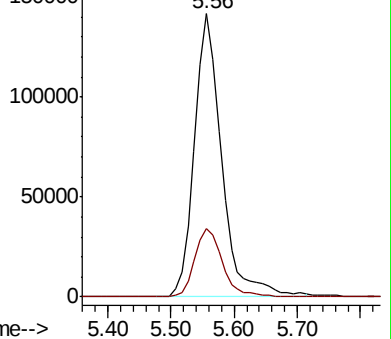
77 100

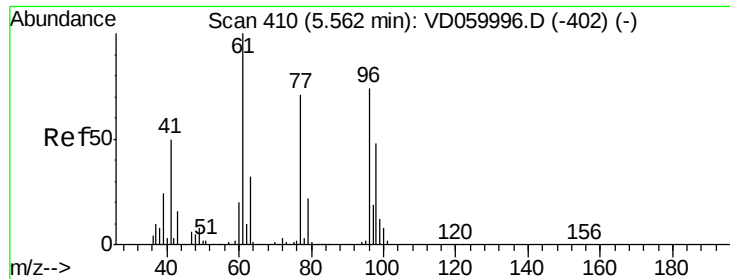
97 23.9 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





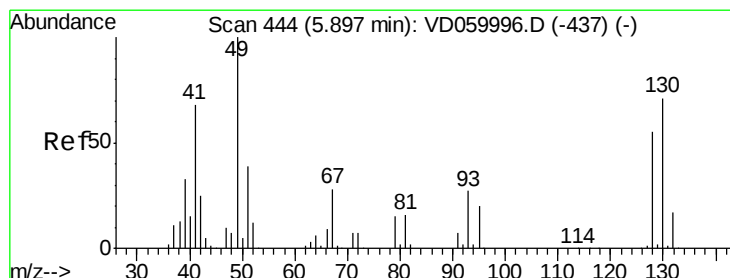
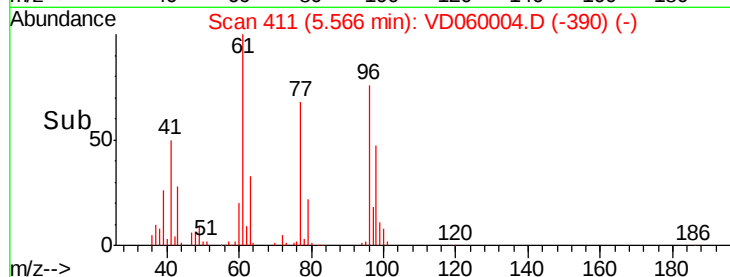
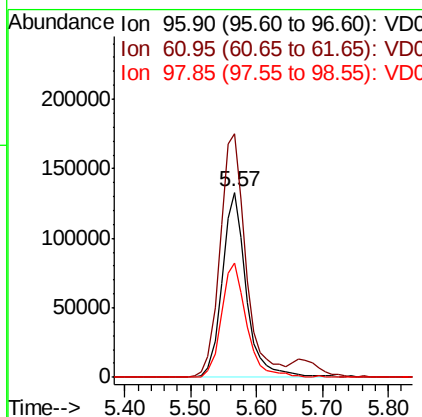
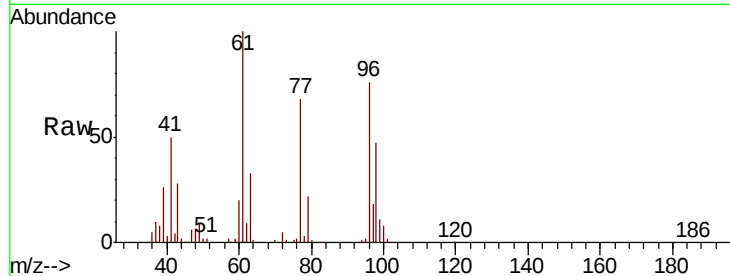
#27
 cis-1,2-Dichloroethene
 Concen: 20.55 ug/l
 RT: 5.57 min Scan# 411
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	131.4	0.0	269.6	
98	61.5	0.0	128.4	

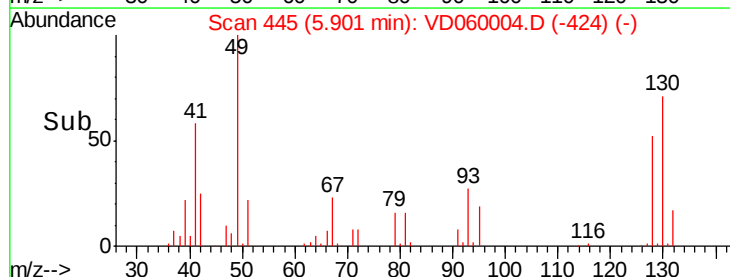
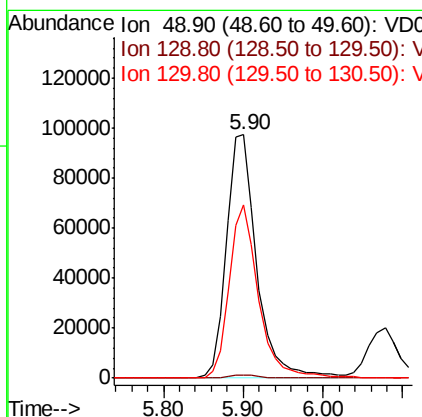
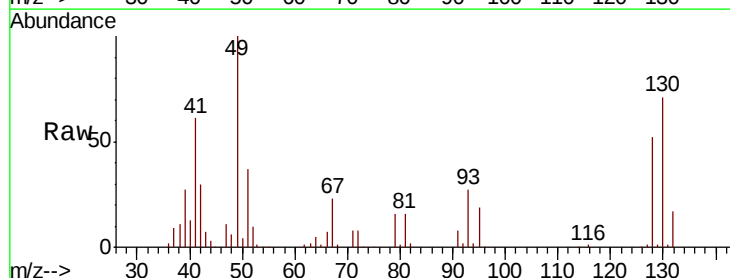
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#28
 Bromochloromethane
 Concen: 20.66 ug/l
 RT: 5.90 min Scan# 445
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.2	0.0	3.6	
130	71.3	57.1	85.7	





#29

Tetrahydrofuran

Concen: 100.78 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

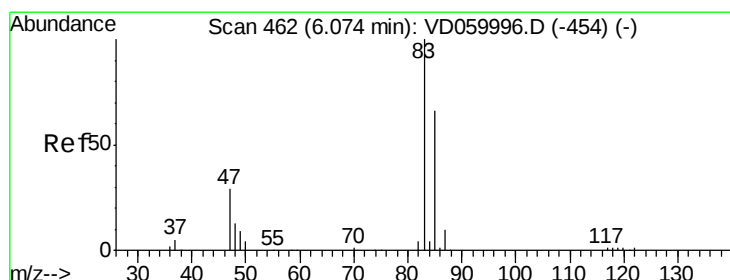
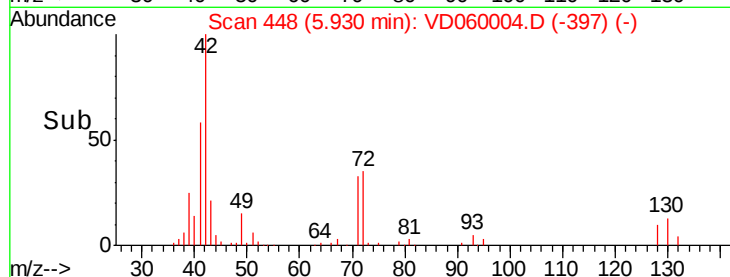
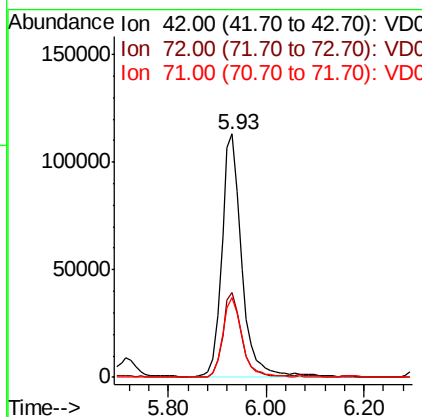
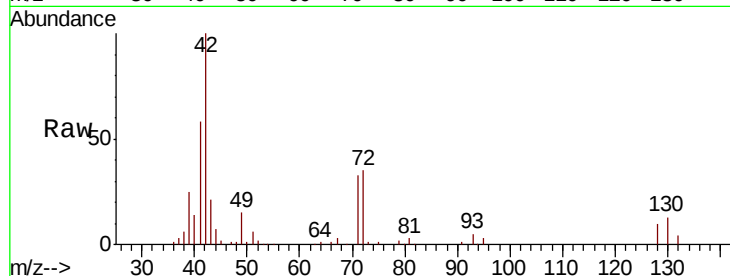
ClientSampleId :

VD0914SBS01

Tot Ion:	42	Resp:	323801
Ion Ratio		Lower	Upper
42	100		
72	32.4	26.9	40.3
71	32.0	26.2	39.4

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#30

Chloroform

Concen: 20.33 ug/l

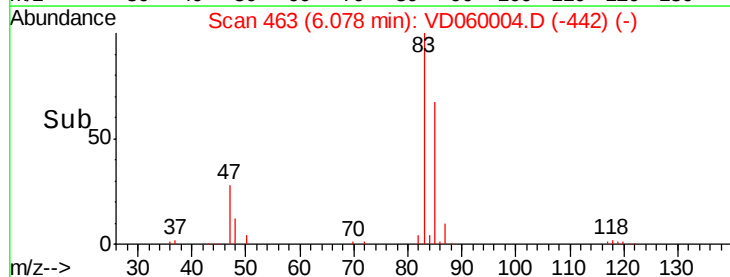
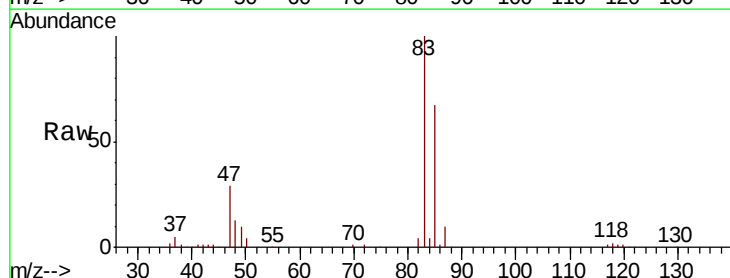
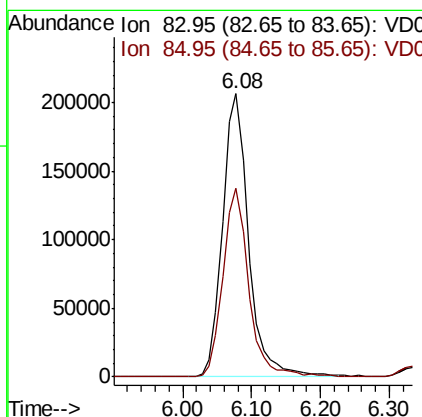
RT: 6.08 min Scan# 463

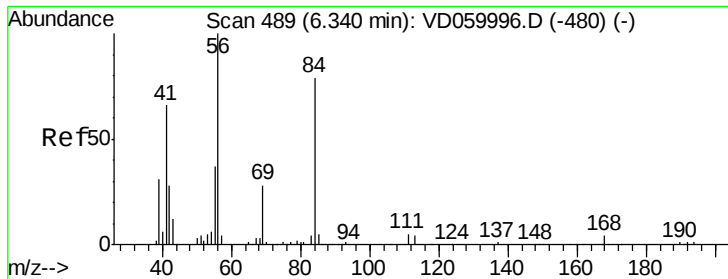
Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tgt Ion:	83	Resp:	540025
Ion Ratio		Lower	Upper
83	100		
85	66.8	52.6	78.8





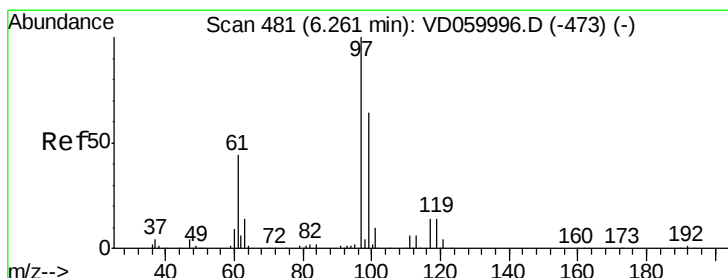
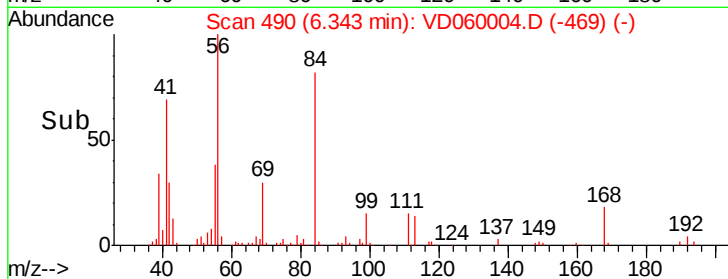
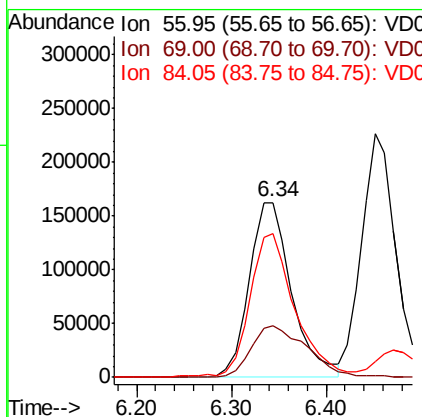
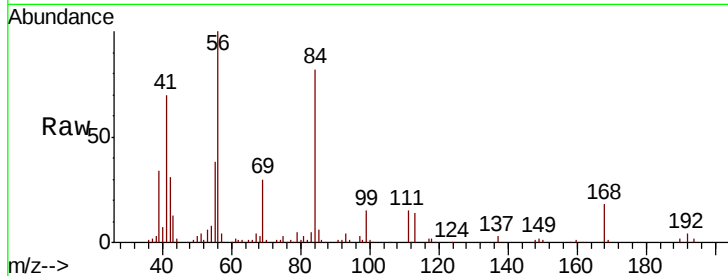
#31
Cyclohexane
Concen: 19.96 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	29.5	22.7	34.1
84	82.3	64.0	96.0

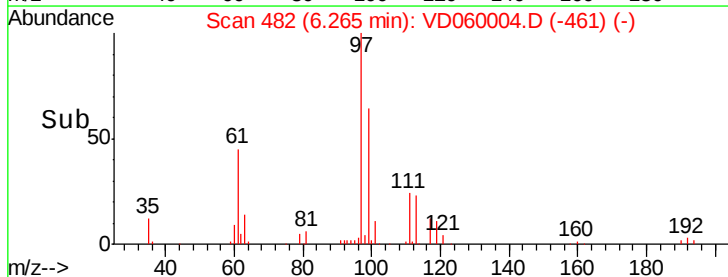
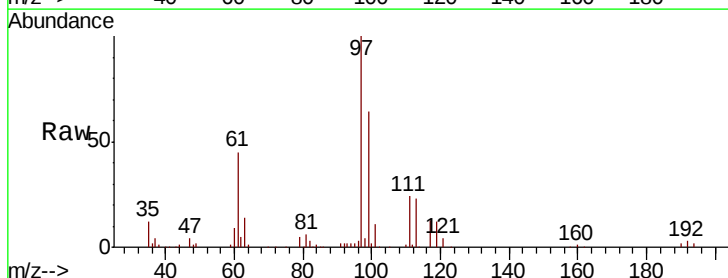
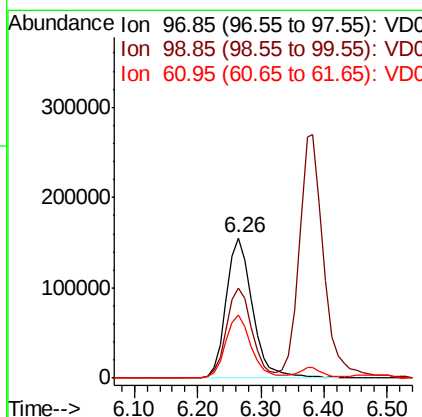
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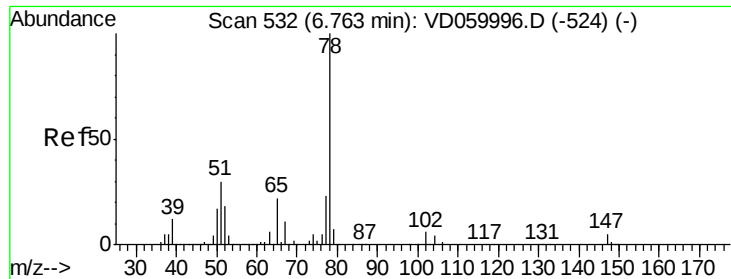
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#32
1,1,1-Trichloroethane
Concen: 20.36 ug/l
RT: 6.26 min Scan# 482
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.3	76.9
61	44.7	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 20.36 ug/l

RT: 6.76 min Scan# 532

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tot Ion: 65 Resp: 615850

Ion Ratio Lower Upper

65 100

67 51.1 0.0 104.8

Instrument :

MSVOA_D

ClientSampleId :

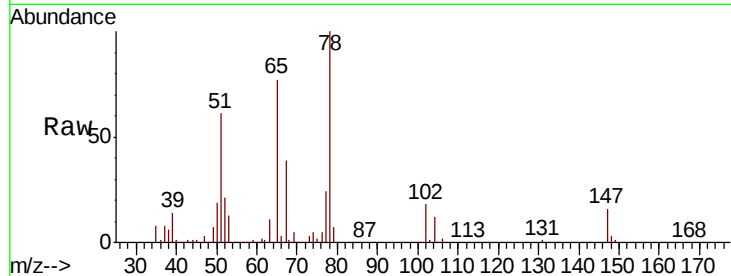
VD0914SBSD01

Manual Integrations

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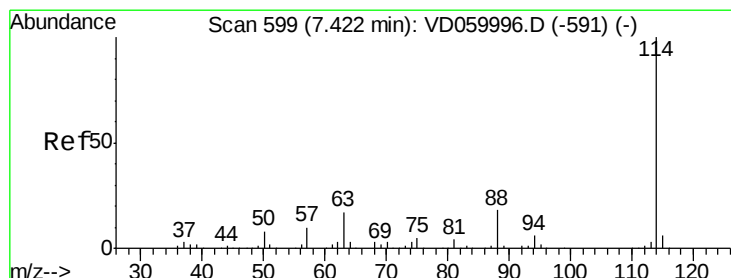
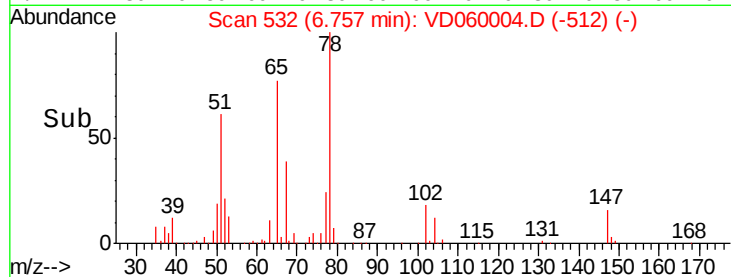
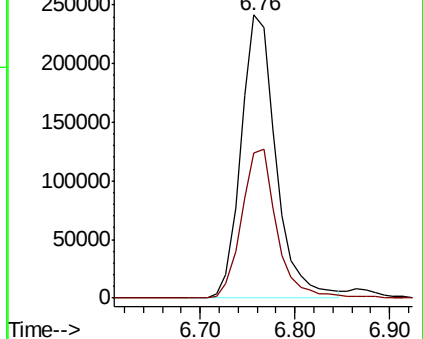
apatel

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Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 7.42 min Scan# 599

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

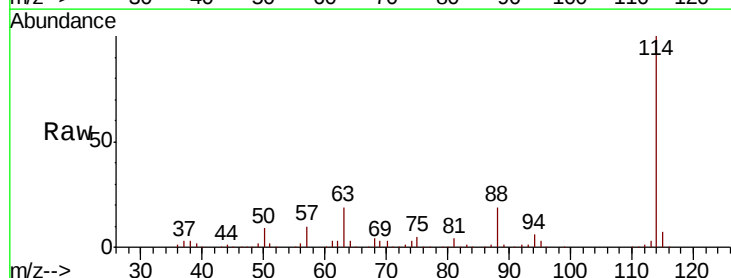
Tgt Ion: 114 Resp: 2021045

Ion Ratio Lower Upper

114 100

63 18.8 0.0 34.4

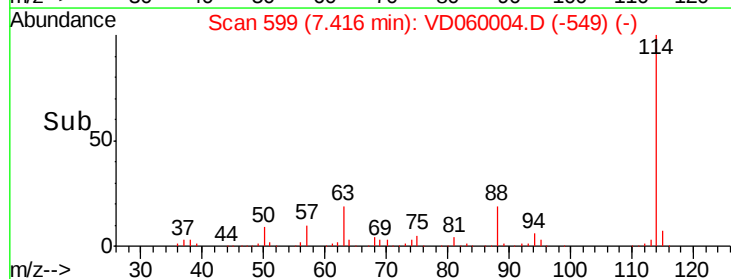
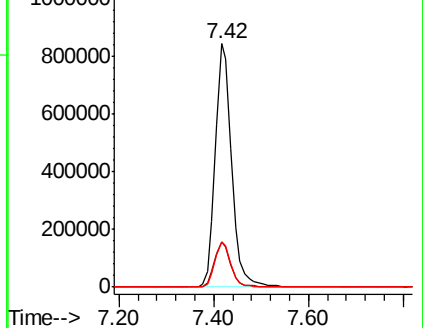
88 18.8 0.0 35.8

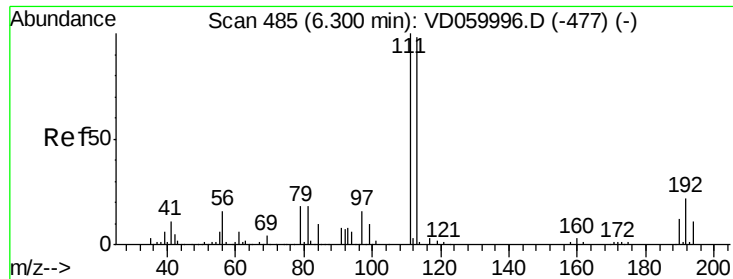


Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC





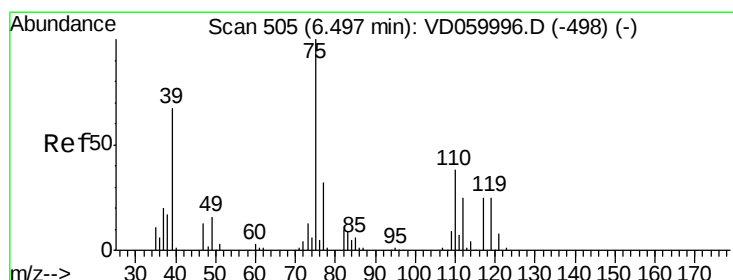
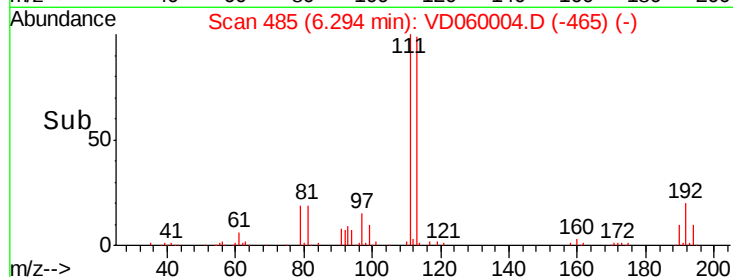
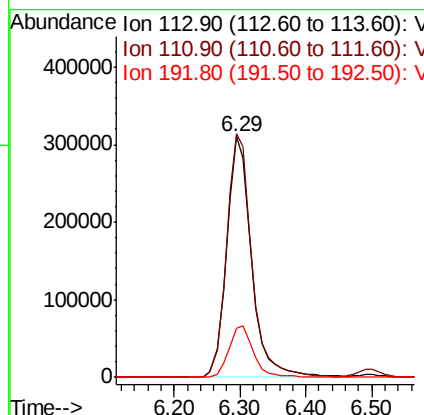
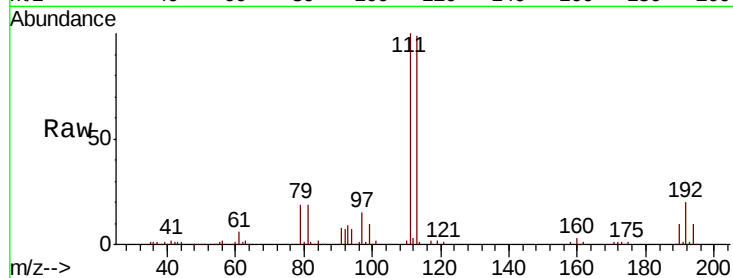
#35
 Dibromofluoromethane
 Concen: 50.00 ug/l
 RT: 6.29 min Scan# 485
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	101.3	81.3	121.9	
192	20.6	18.1	27.1	

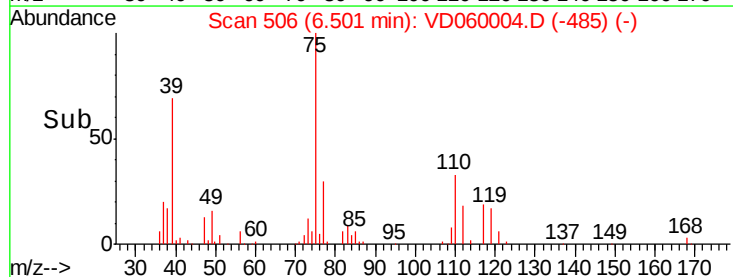
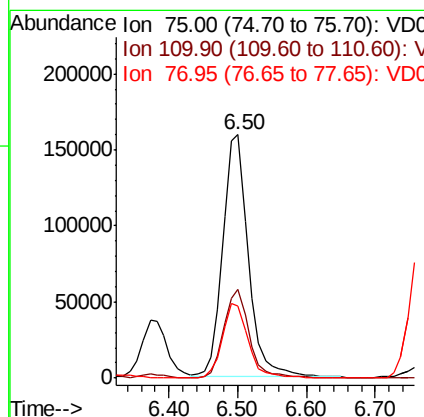
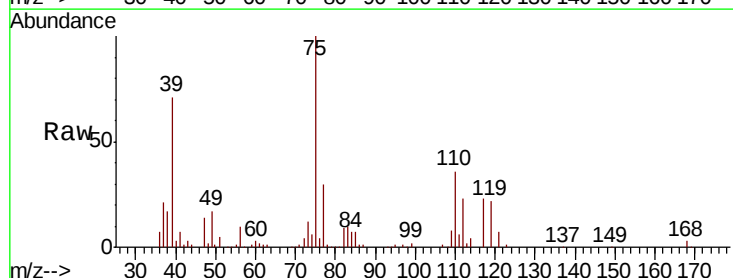
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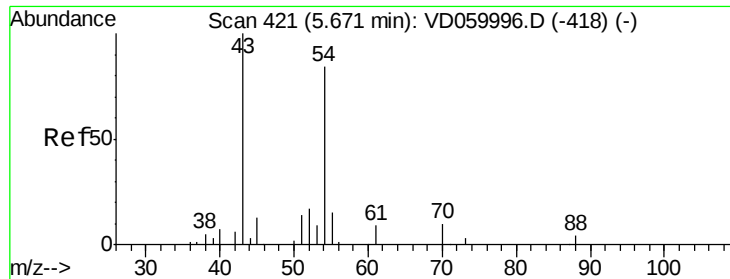
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#36
 1,1-Dichloropropene
 Concen: 20.38 ug/l
 RT: 6.50 min Scan# 506
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	36.4	18.9	56.9	
77	29.8	25.3	37.9	





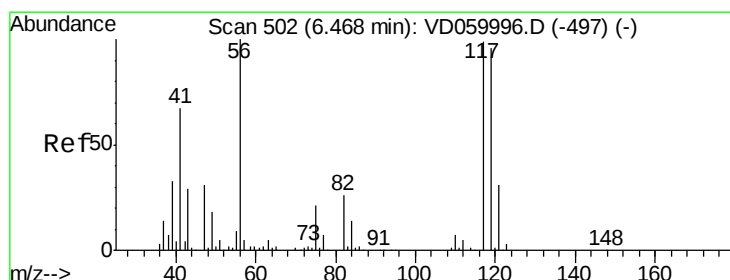
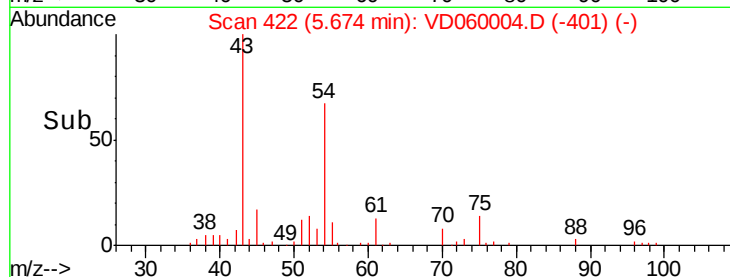
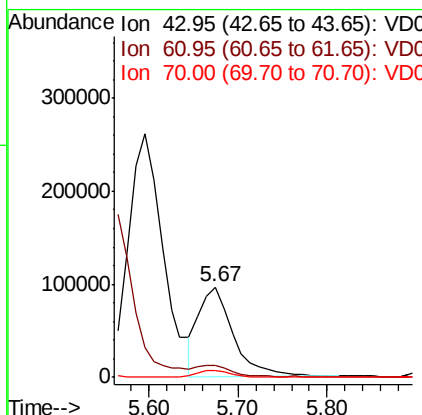
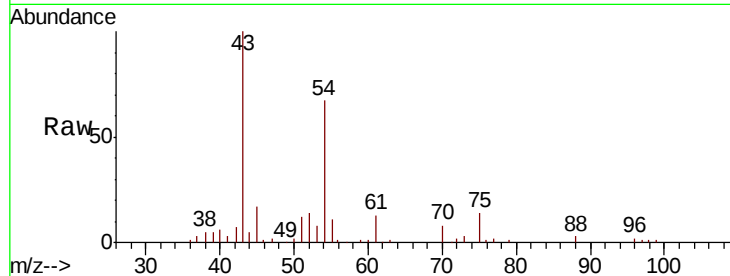
#37
Ethyl Acetate
Concen: 18.50 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	12.9	10.2	15.2
70	7.9	6.1	9.1

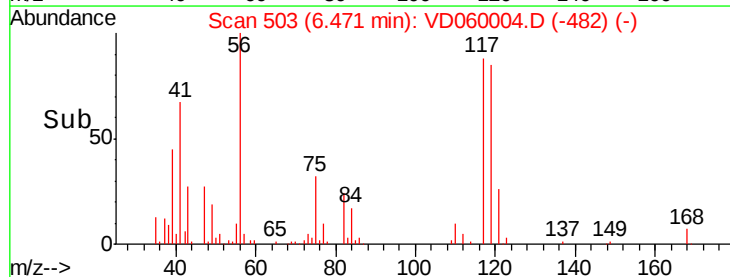
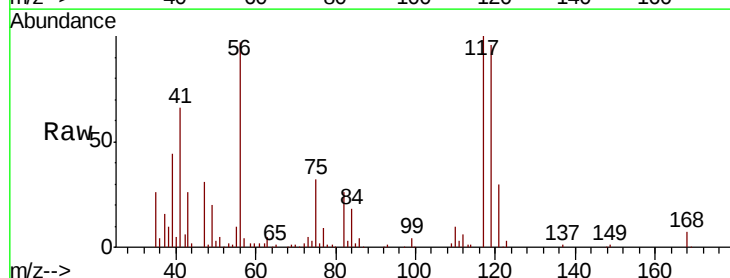
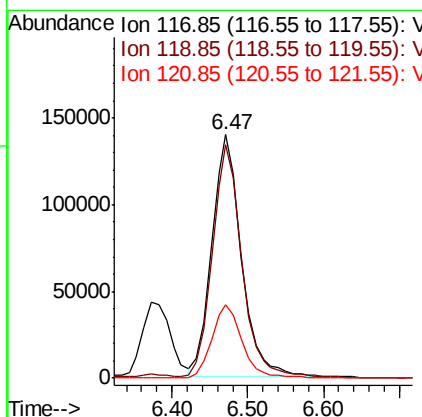
Manual Integrations
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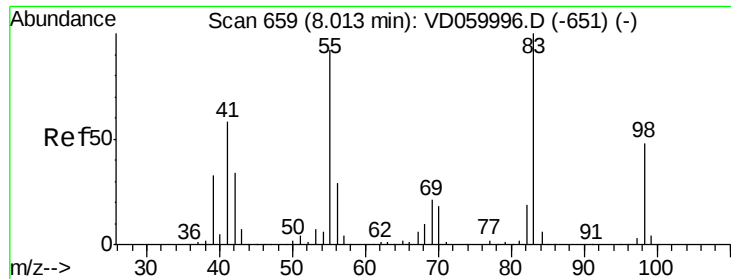
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#38
Carbon Tetrachloride
Concen: 20.24 ug/l
RT: 6.47 min Scan# 503
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.9	76.7	115.1
121	30.4	24.9	37.3





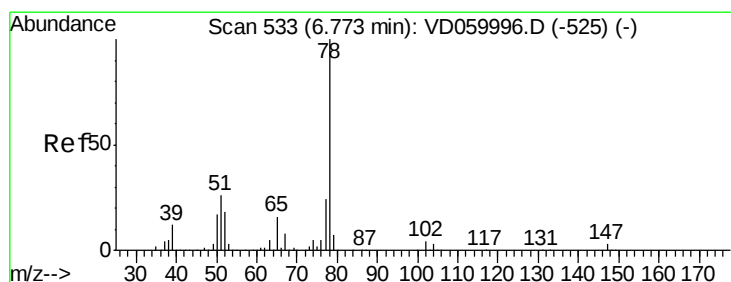
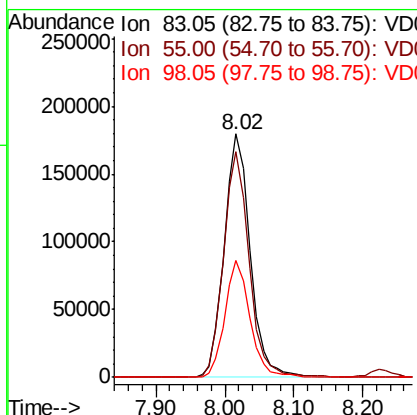
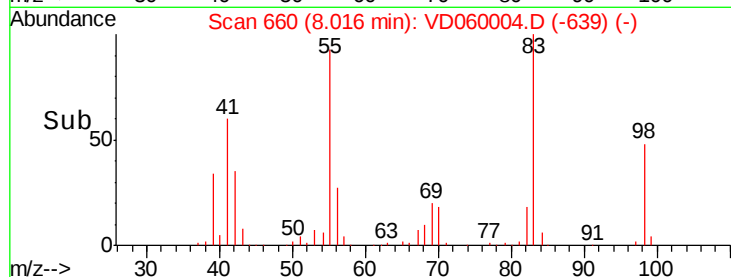
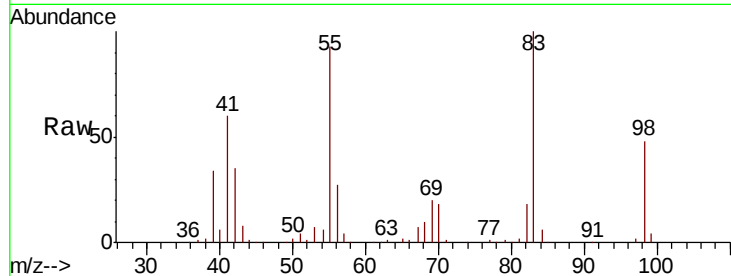
#39
Methvlcvclohexane
Concen: 20.65 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	92.6	73.8	110.6
98	48.0	38.1	57.1

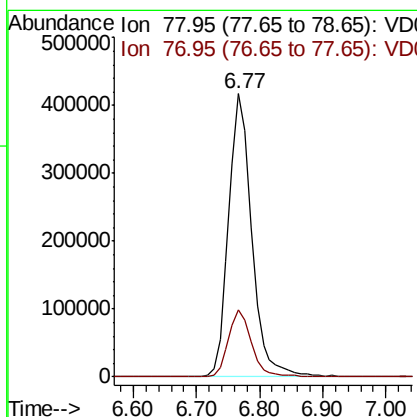
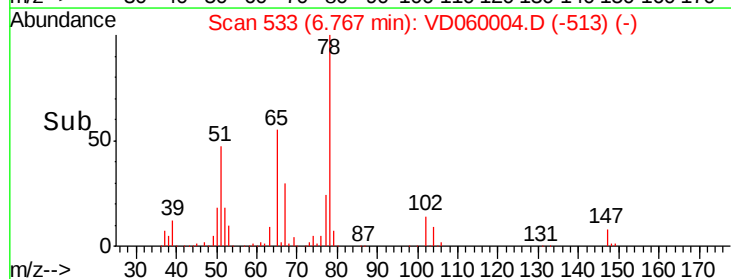
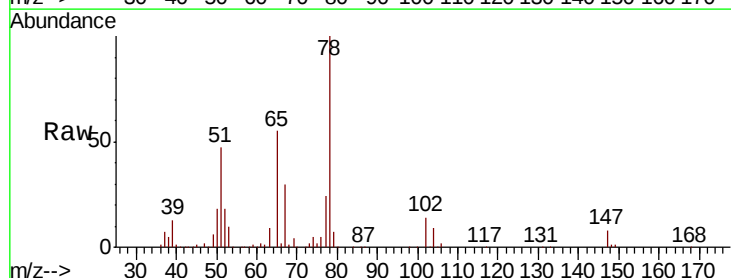
Manual Integrations
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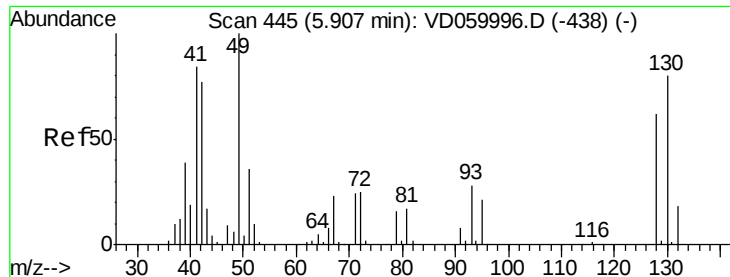
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#40
Benzene
Concen: 20.75 ug/l
RT: 6.77 min Scan# 533
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.9	19.0	28.4





#41

Methacrylonitrile

Concen: 16.93 ug/l m

RT: 5.90 min Scan# 445

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 41 Resp: 122394
Ion Ratio Lower Upper

41 100

39 44.8 37.5 56.3

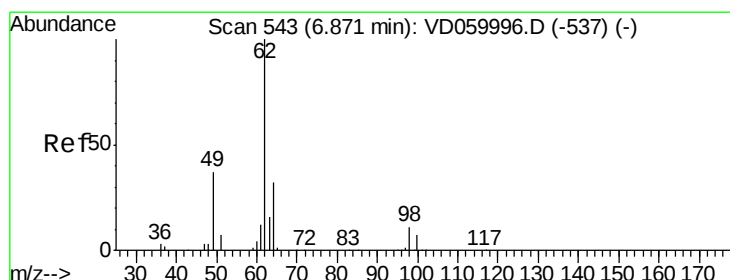
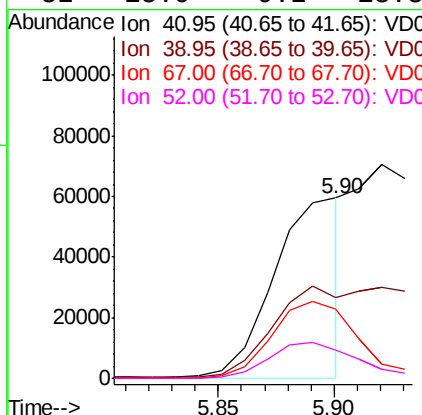
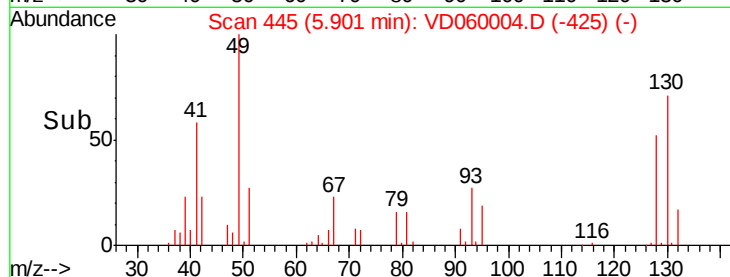
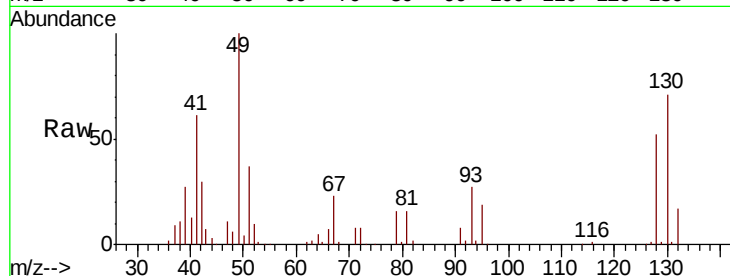
67 38.0 21.5 32.3#

52 15.9 9.2 13.8#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 20.25 ug/l

RT: 6.87 min Scan# 543

Delta R.T. -0.01 min

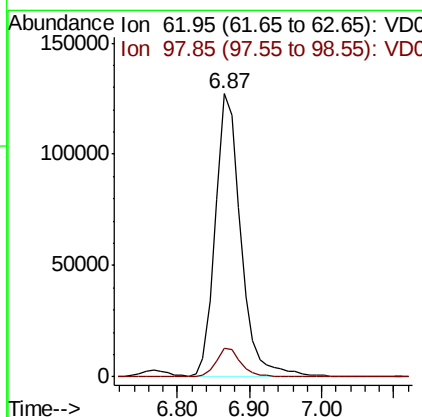
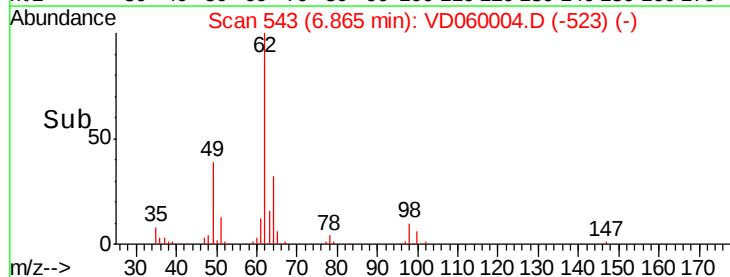
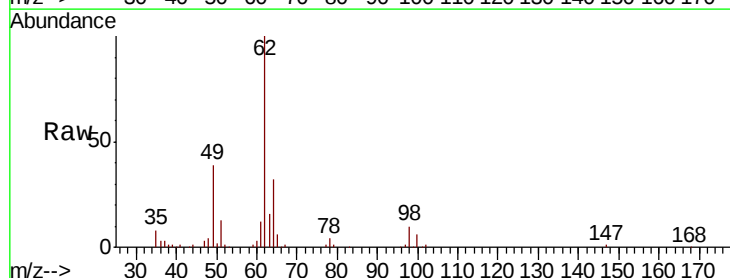
Lab File: VD060004.D

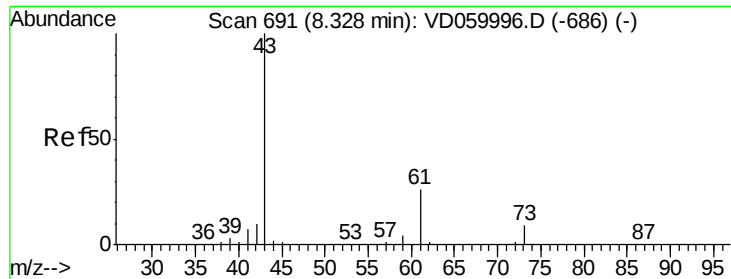
Acq: 14 Sep 2018 12:25

Tgt Ion: 62 Resp: 311112
Ion Ratio Lower Upper

62 100

98 10.2 0.0 21.4





#43

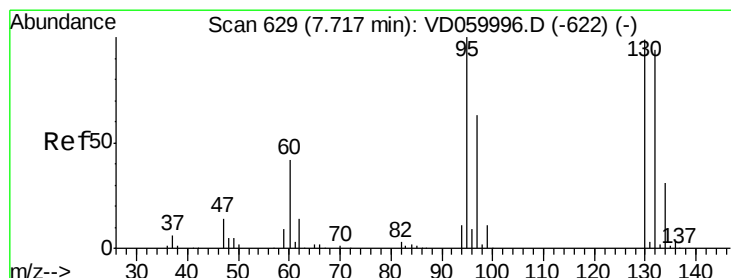
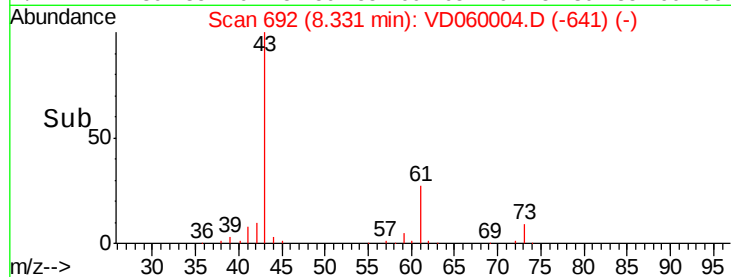
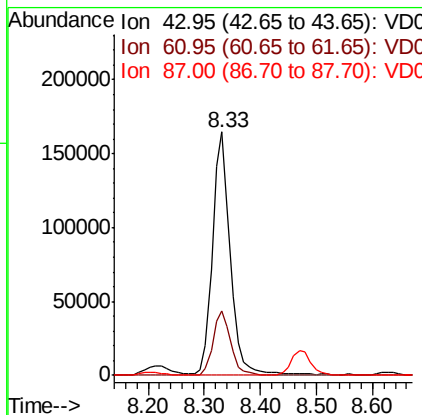
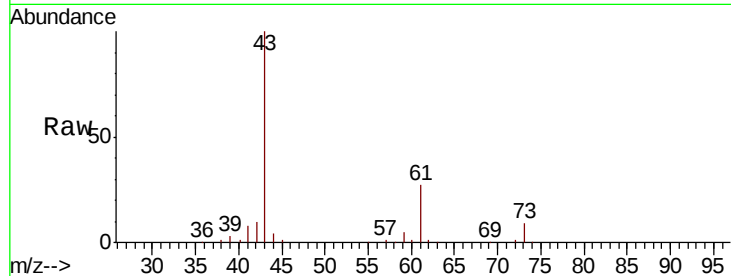
Isopropyl Acetate
 Concen: 19.85 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0914SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	26.7	21.0	31.6
87	0.0	0.2	0.2

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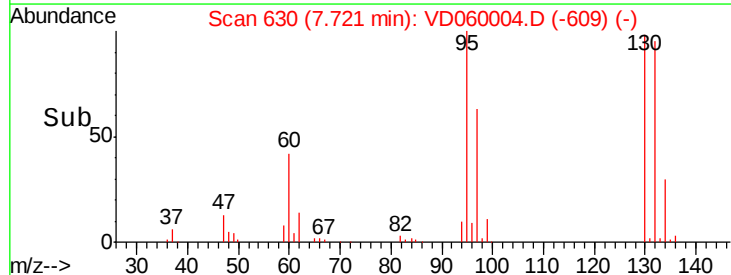
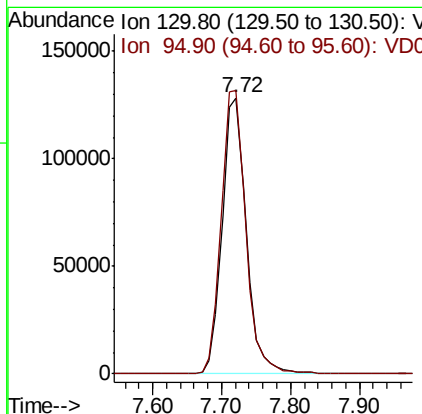
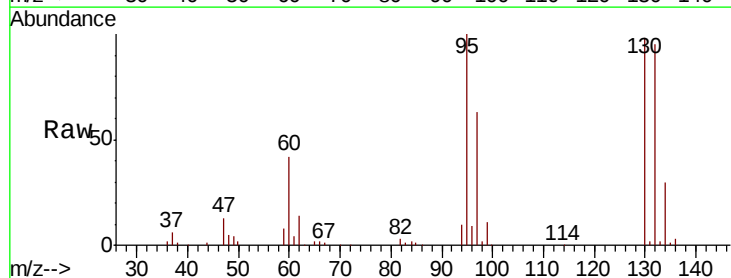
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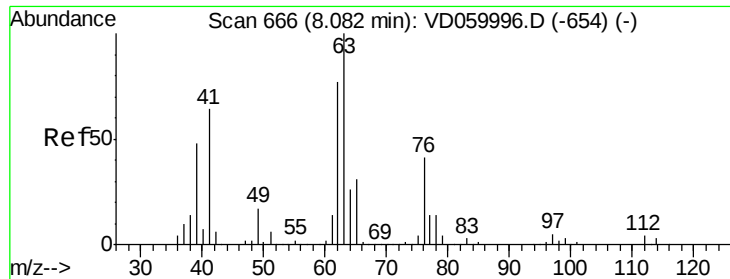


#44

Trichloroethene
 Concen: 19.75 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
130	100		
95	102.6	0.0	202.0





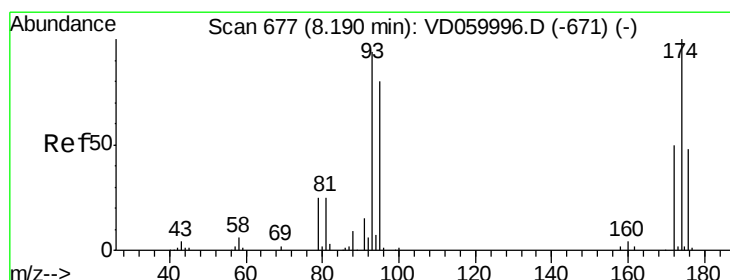
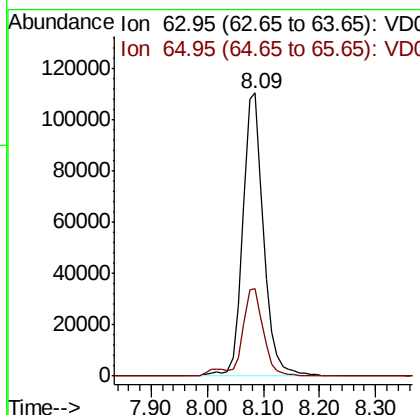
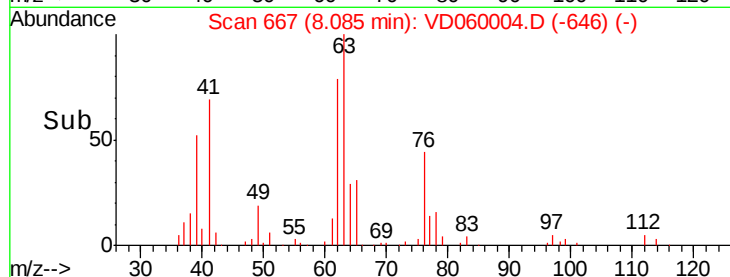
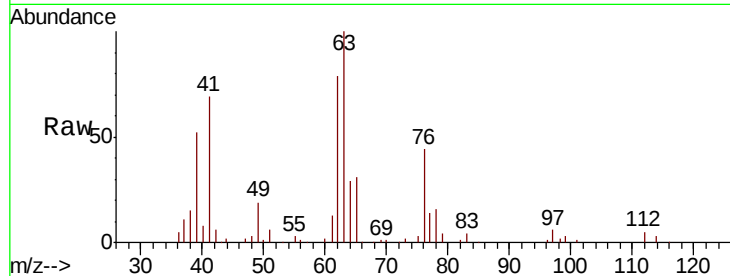
#45
 1,2-Dichloropropane
 Concen: 20.64 ug/l
 RT: 8.09 min Scan# 667
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Tot Ion: 63 Resp: 282344
 Ion Ratio Lower Upper
 63 100
 65 31.0 24.6 37.0

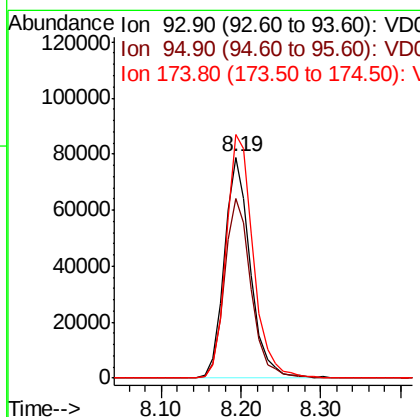
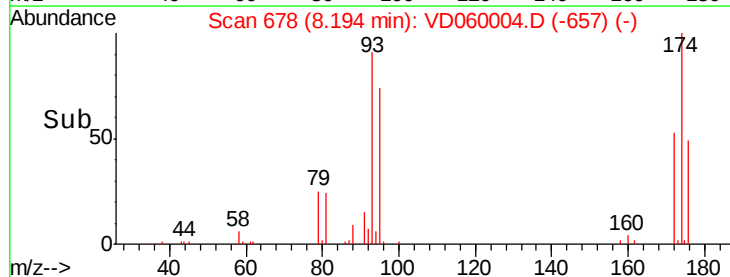
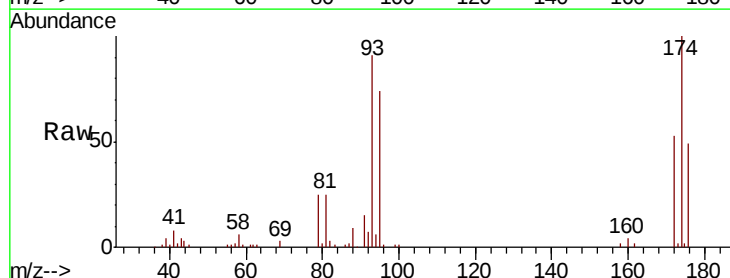
Manual Integrations
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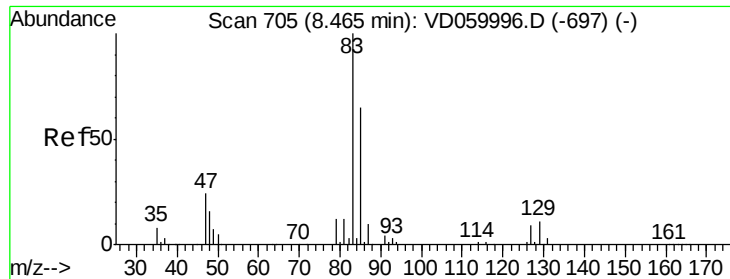
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#46
 Dibromomethane
 Concen: 20.19 ug/l
 RT: 8.19 min Scan# 678
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 93 Resp: 180283
 Ion Ratio Lower Upper
 93 100
 95 81.4 68.0 102.0
 174 110.2 85.4 128.2





#47

Bromodichloromethane

Concen: 20.17 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

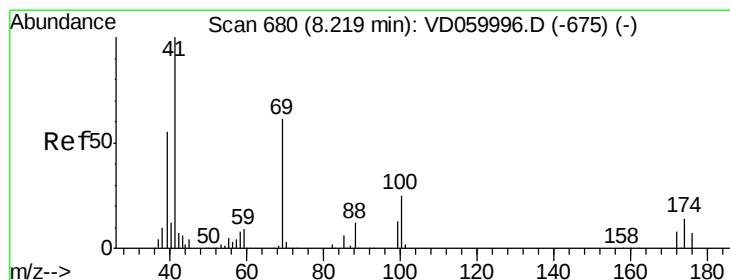
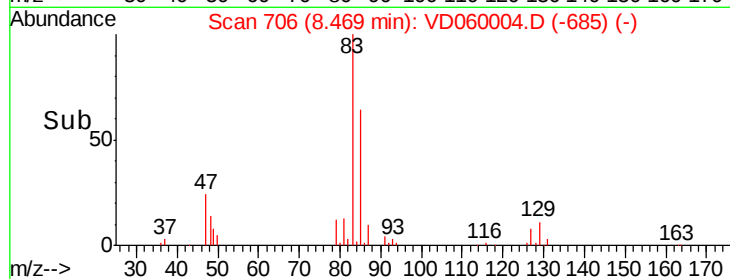
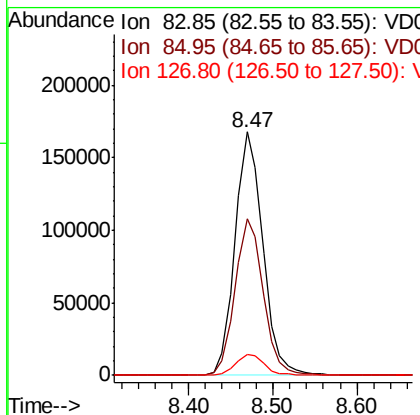
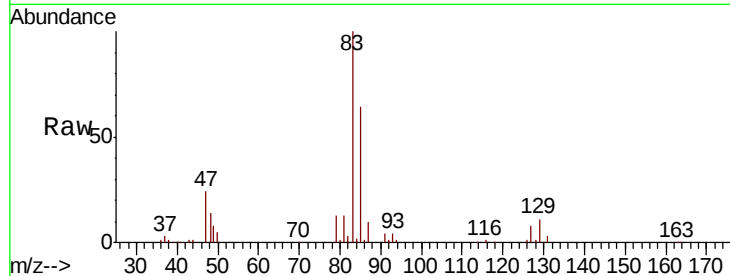
ClientSampleId :

VD0914SBSD01

Tot Ion:	83	Resp:	388250
Ion Ratio	Lower	Upper	
83	100		
85	64.3	51.9	77.9
127	8.4	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 20.07 ug/l

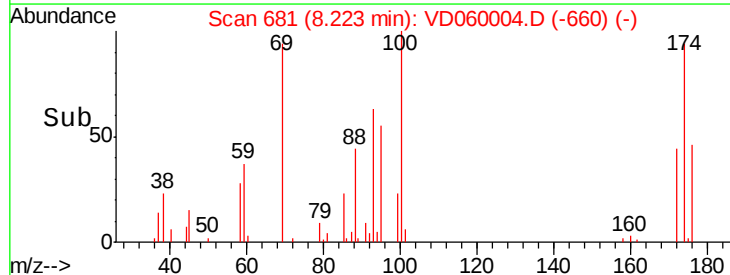
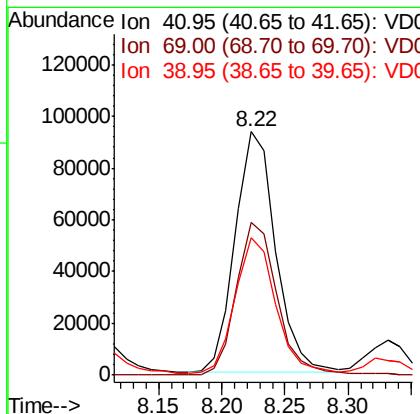
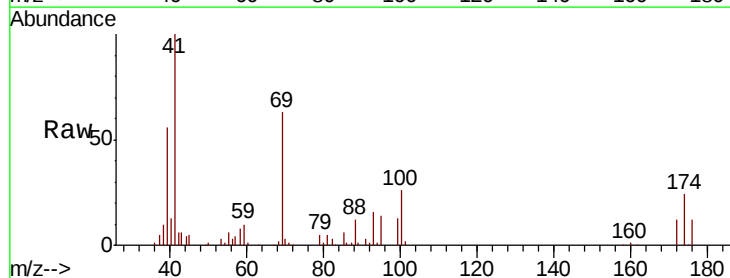
RT: 8.22 min Scan# 681

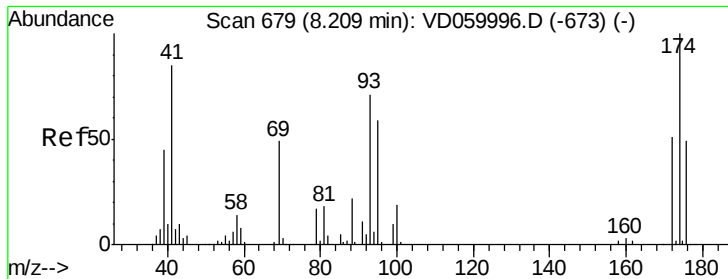
Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tgt Ion:	41	Resp:	206603
Ion Ratio	Lower	Upper	
41	100		
69	62.7	48.3	72.5
39	56.2	44.1	66.1





#49

1,4-Dioxane

Concen: 384.93 ug/l

RT: 8.21 min Scan# 680

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 88 Resp: 39360

Ion Ratio Lower Upper

88 100

43 46.2 36.2 54.2

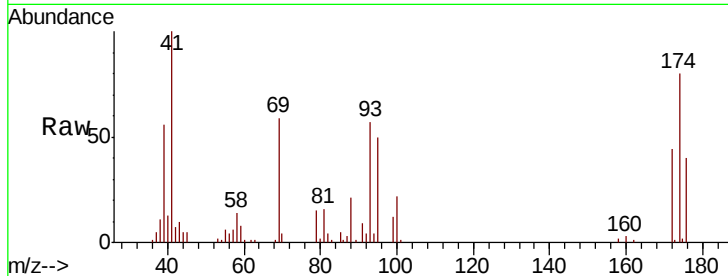
58 65.9 51.0 76.6

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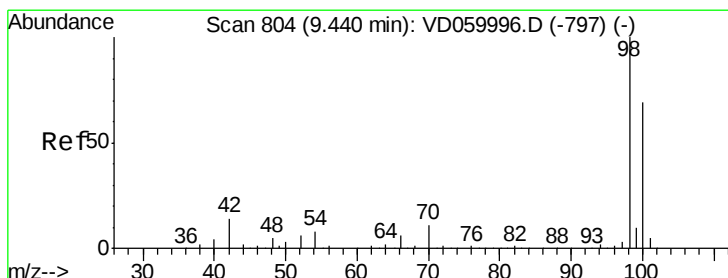
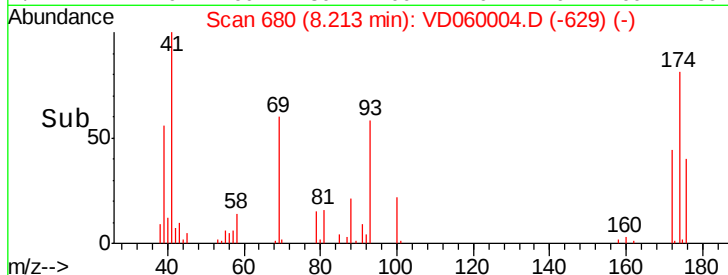
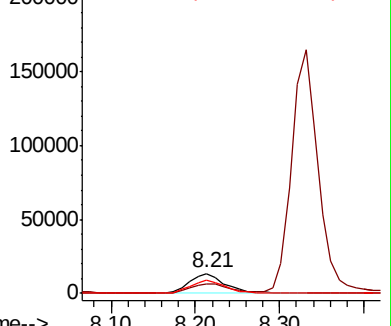
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Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 57.95 (57.65 to 58.65): VDC



#50

Toluene-d8

Concen: 384.93 ug/l

RT: 9.43 min Scan# 804

Delta R.T. -0.01 min

Lab File: VD060004.D

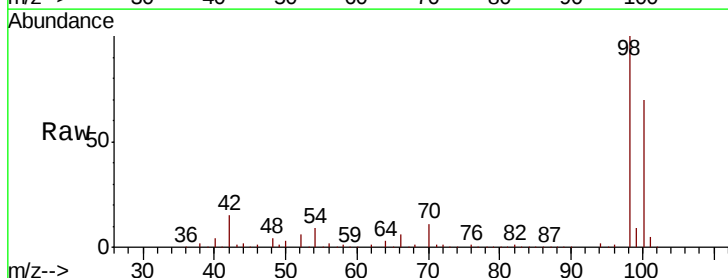
Acq: 14 Sep 2018 12:25

Tgt Ion: 98 Resp: 2312522

Ion Ratio Lower Upper

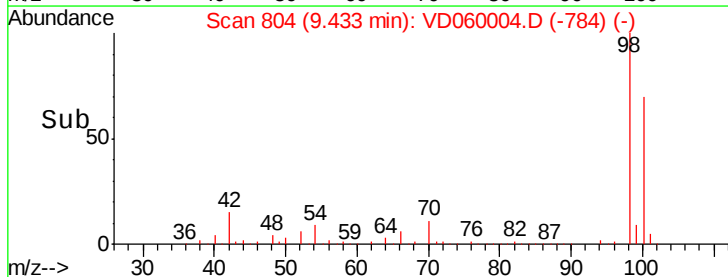
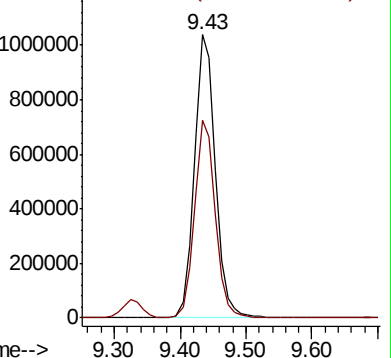
98 100

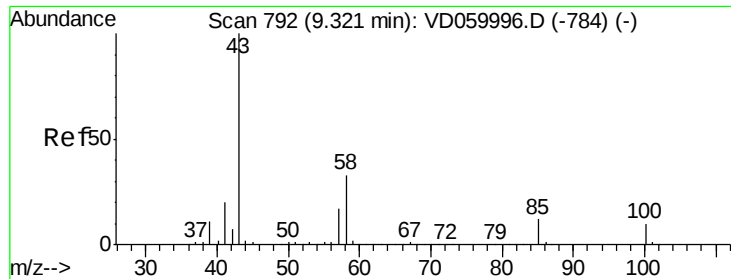
100 69.8 55.8 83.6



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: 109.16 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 43 Resp: 1473199

Ion Ratio Lower Upper

43 100

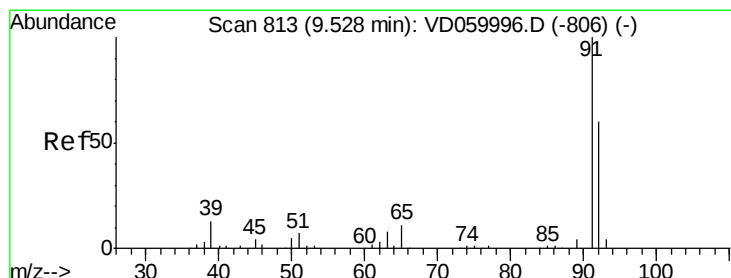
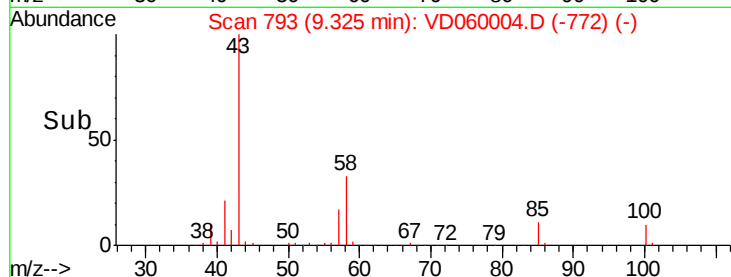
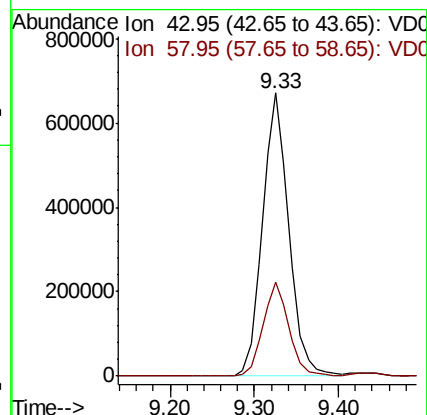
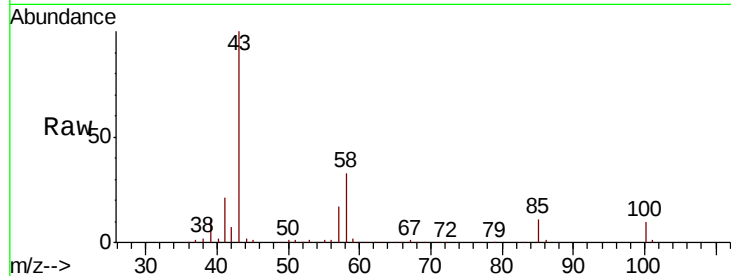
58 33.1 26.4 39.6

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#52

Toluene

Concen: 21.19 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060004.D

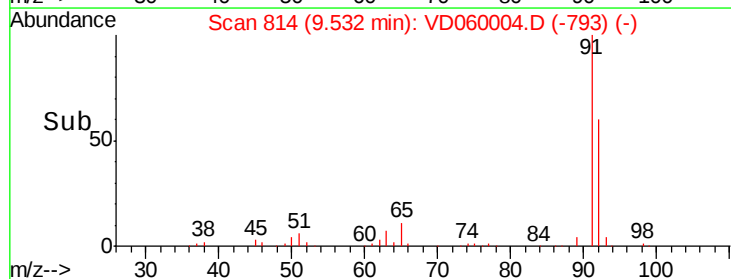
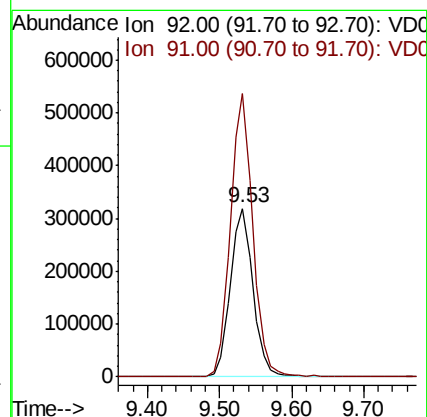
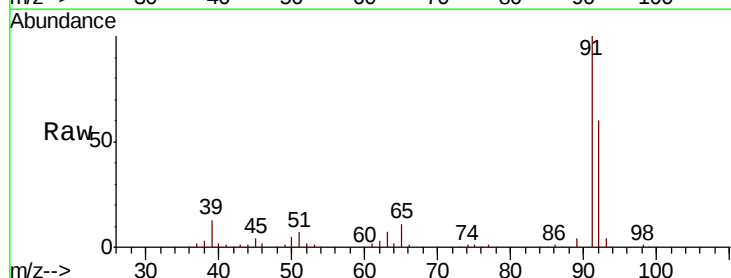
Acq: 14 Sep 2018 12:25

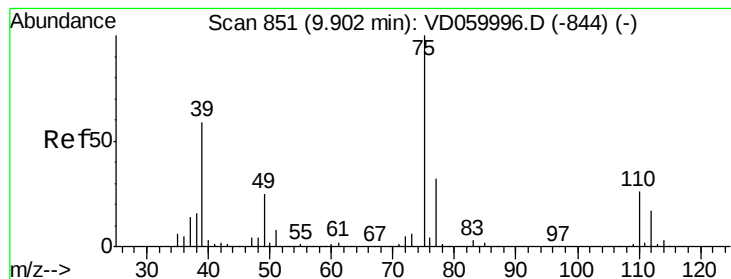
Tgt Ion: 92 Resp: 694953

Ion Ratio Lower Upper

92 100

91 167.9 132.3 198.5





#53

t-1,3-Dichloropropene

Concen: 20.33 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 75 Resp: 364958

Ion Ratio Lower Upper

75 100

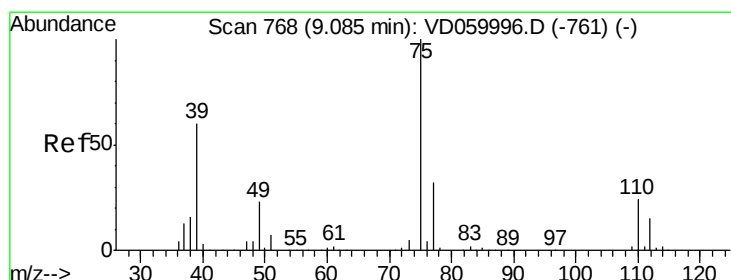
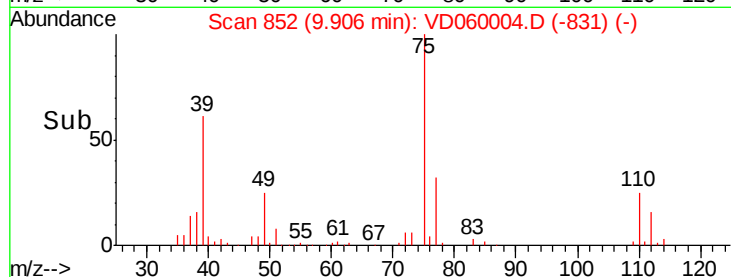
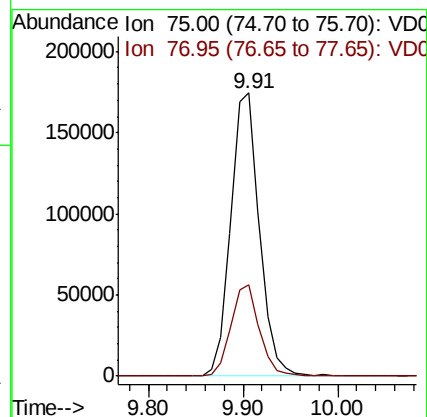
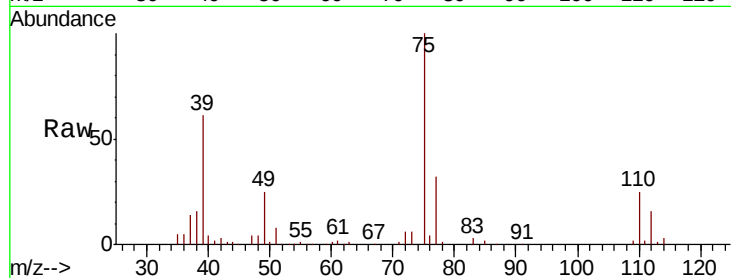
77 32.1 25.6 38.4

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#54

cis-1,3-Dichloropropene

Concen: 19.90 ug/l

RT: 9.08 min Scan# 768

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

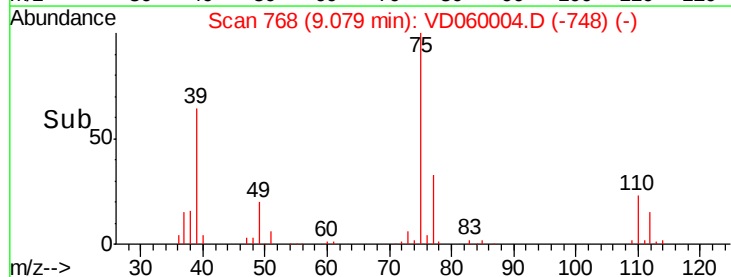
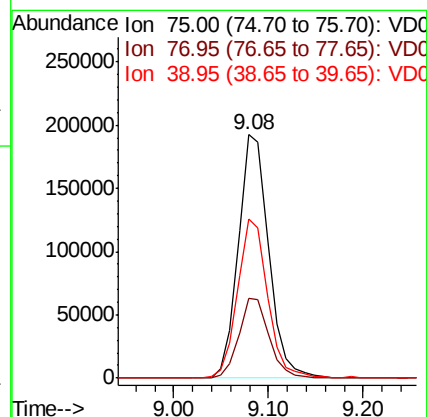
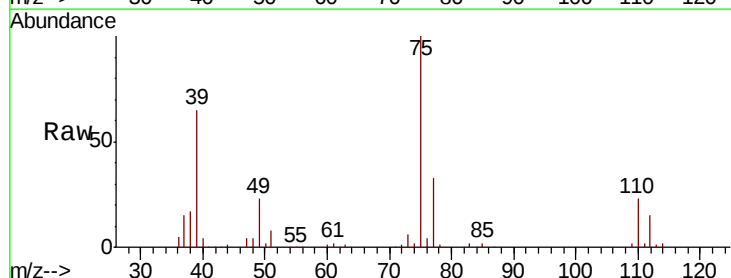
Tgt Ion: 75 Resp: 426893

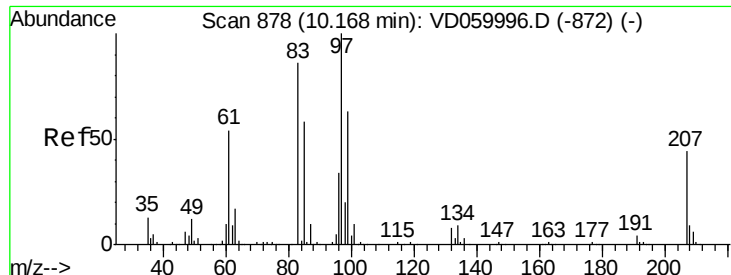
Ion Ratio Lower Upper

75 100

77 33.0 25.5 38.3

39 65.5 48.0 72.0





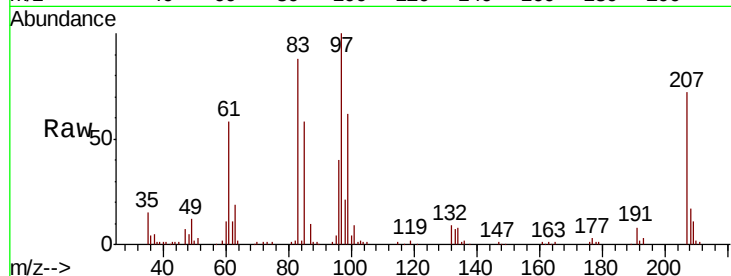
#55
 1,1,2-Trichloroethane
 Concen: 19.83 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

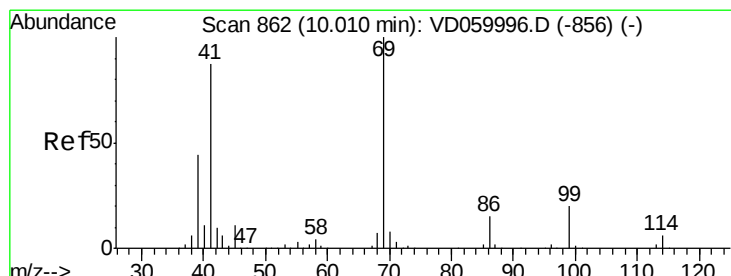
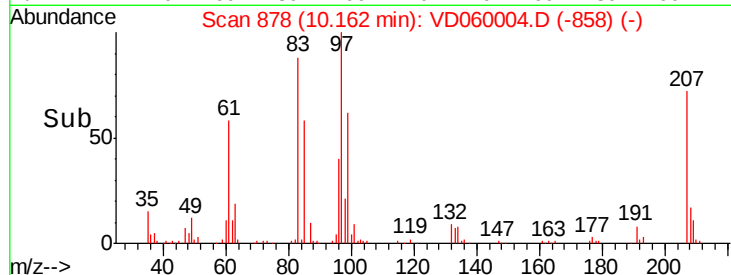
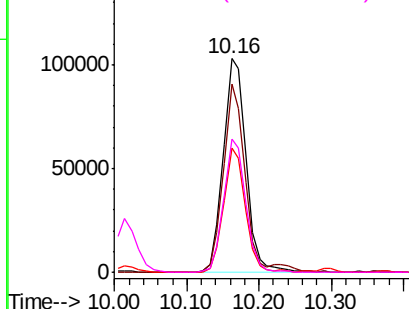
Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		225829		
83	88.2	69.1	103.7		
85	58.3	46.2	69.4		
99	62.2	50.6	75.8		

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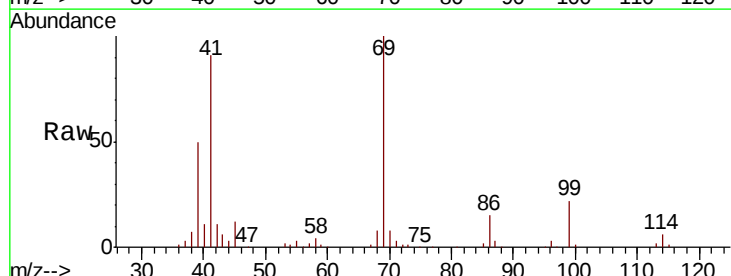


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

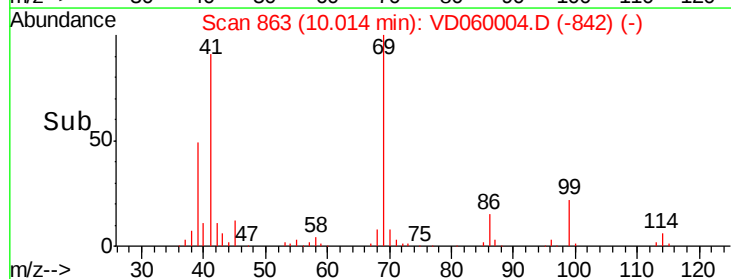
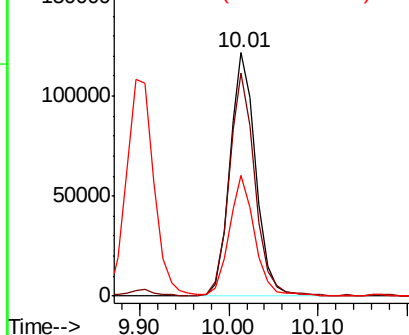


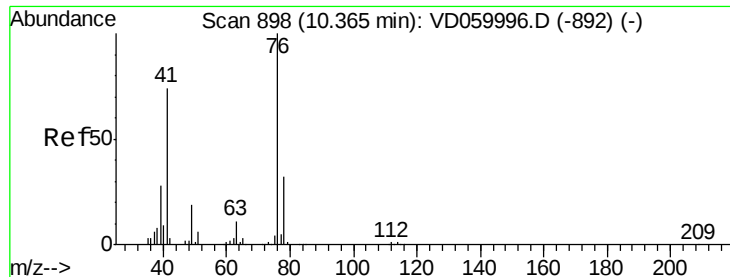
#56
 Ethyl methacrylate
 Concen: 19.60 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		247513		
41	91.4	70.1	105.1		
39	49.6	36.5	54.7		



Abundance Ion 69.00 (68.70 to 69.70): VDC
 Ion 41.05 (40.75 to 41.75): VDC
 Ion 38.95 (38.65 to 39.65): VDC





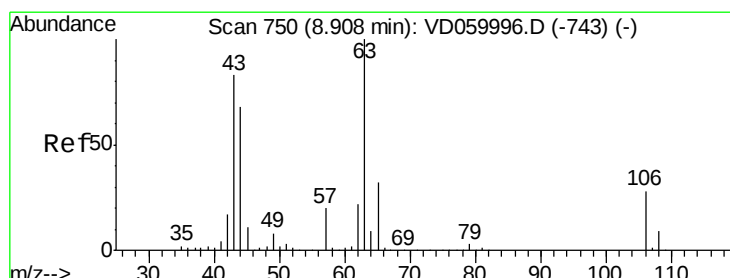
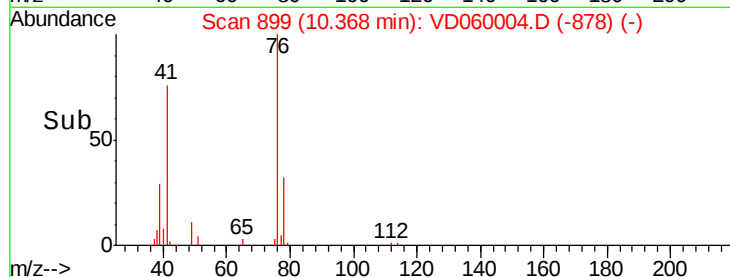
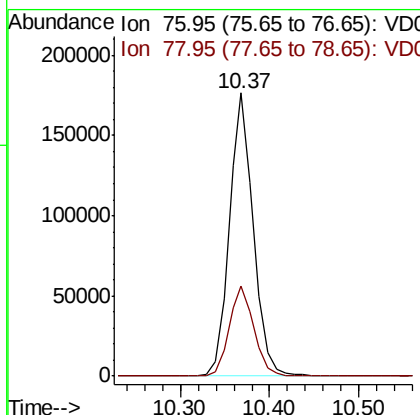
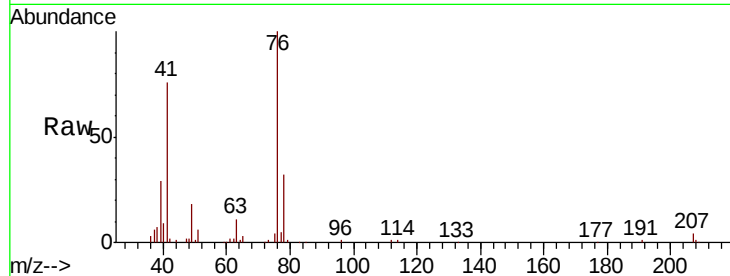
#57
 1,3-Dichloropropane
 Concen: 19.69 ug/l
 RT: 10.37 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

Tot Ion: 76 Resp: 330906
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.3 37.9

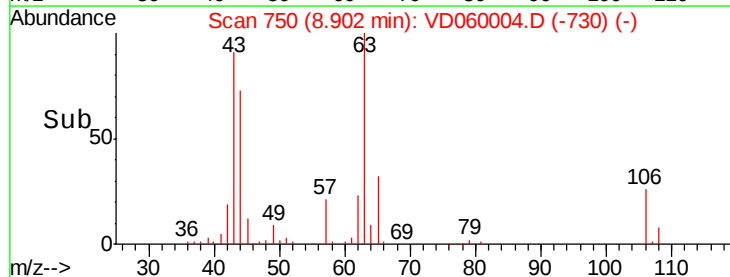
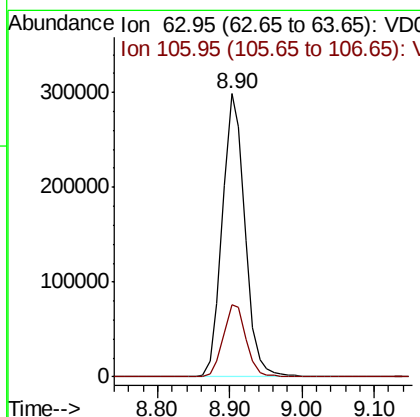
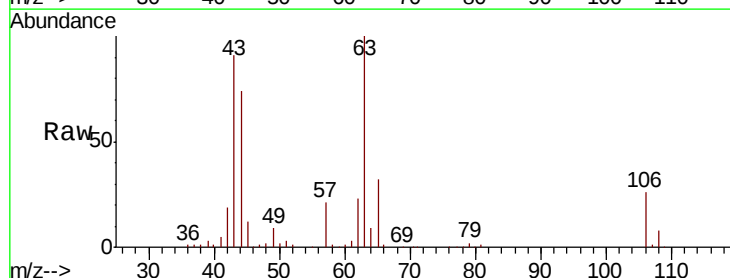
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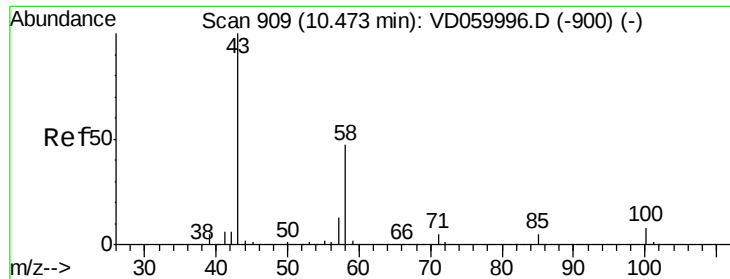
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#58
 2-Chloroethyl Vinyl ether
 Concen: 106.26 ug/l
 RT: 8.90 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion: 63 Resp: 648126
 Ion Ratio Lower Upper
 63 100
 106 25.5 22.0 33.0





#59

2-Hexanone

Concen: 109.08 ug/l

RT: 10.48 min Scan# 910

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 43 Resp: 1060480

Ion Ratio Lower Upper

43 100

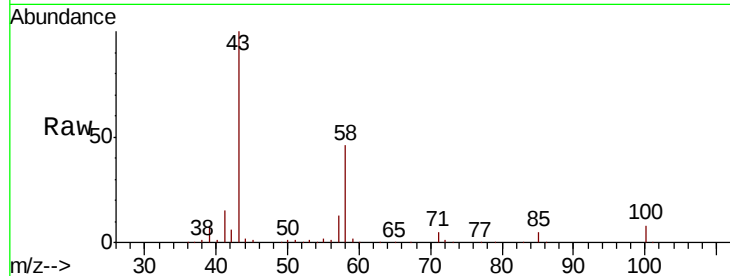
58 45.8 23.4 70.0

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

10.48

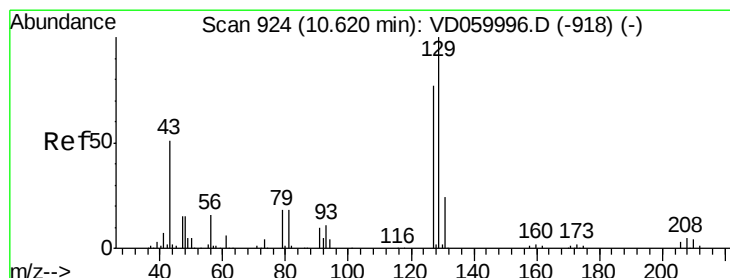
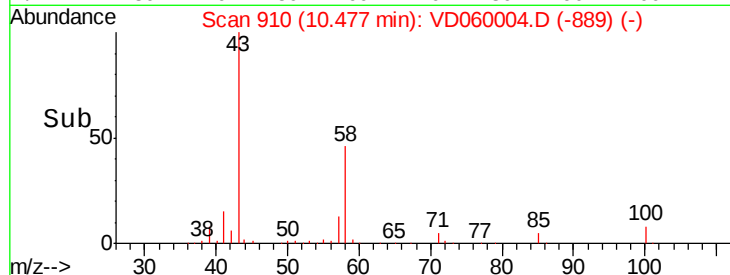
600000

400000

200000

0

Time--> 10.30 10.40 10.50 10.60



#60

Dibromochloromethane

Concen: 20.15 ug/l

RT: 10.62 min Scan# 925

Delta R.T. 0.00 min

Lab File: VD060004.D

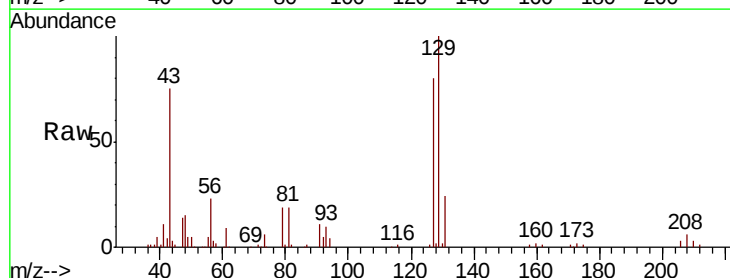
Acq: 14 Sep 2018 12:25

Tgt Ion: 129 Resp: 279334

Ion Ratio Lower Upper

129 100

127 79.7 38.6 116.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

10.62

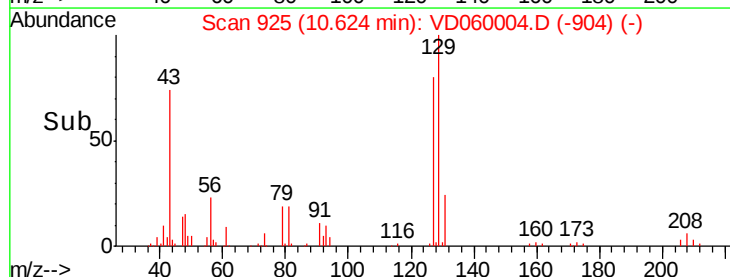
150000

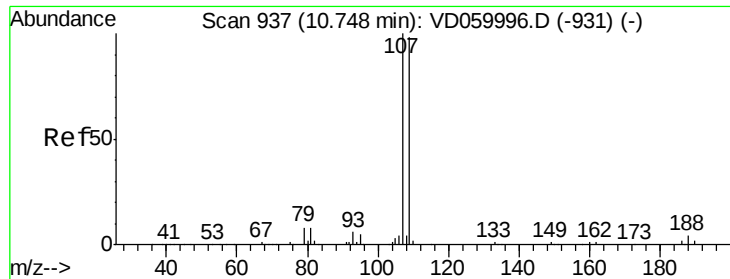
100000

50000

0

Time--> 10.50 10.60 10.70





#61

1,2-Dibromoethane

Concen: 20.22 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion:107 Resp: 237712

Ion Ratio Lower Upper

107 100

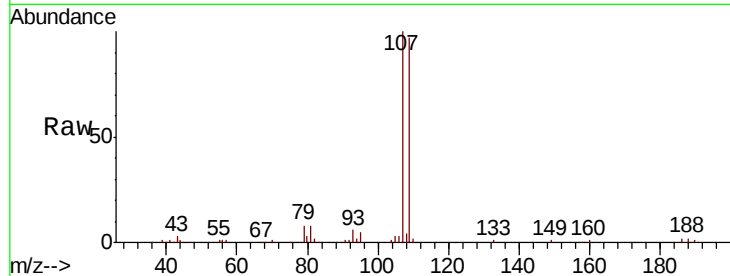
109 97.0 78.2 117.2

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.74

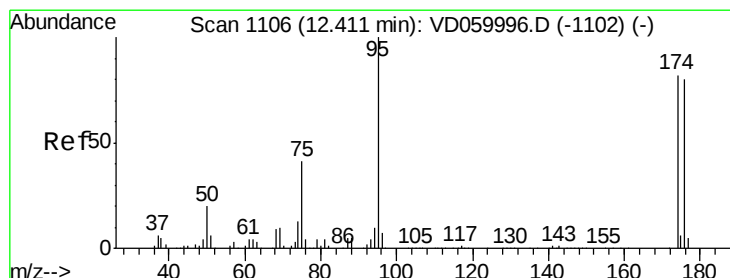
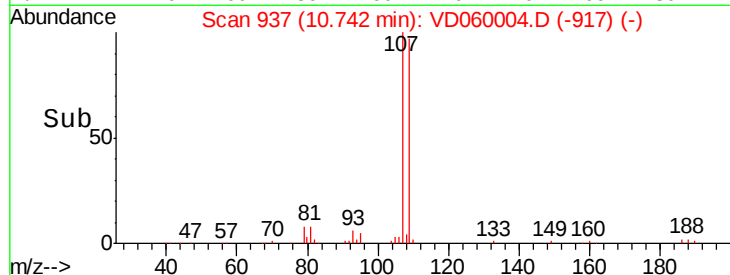
150000

100000

50000

0

Time-->



#62

4-Bromofluorobenzene

Concen: 20.22 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

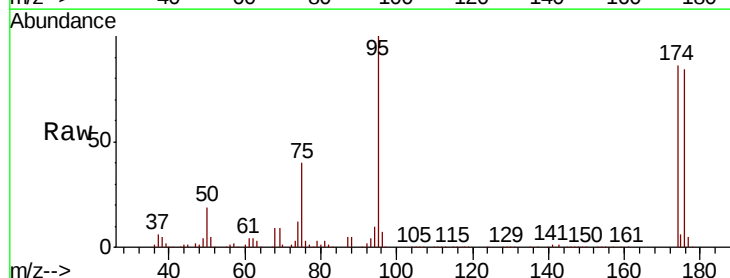
Tgt Ion: 95 Resp: 882733

Ion Ratio Lower Upper

95 100

174 86.1 0.0 165.0

176 83.8 0.0 160.2



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

12.42

800000

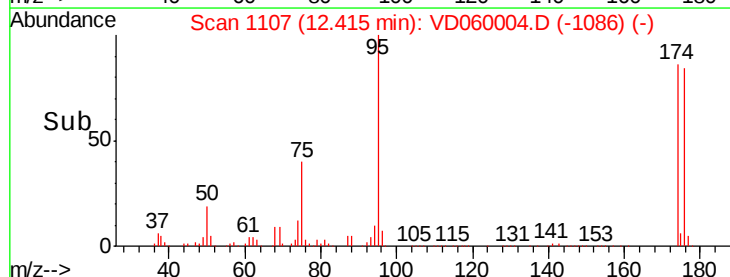
600000

400000

200000

0

Time-->





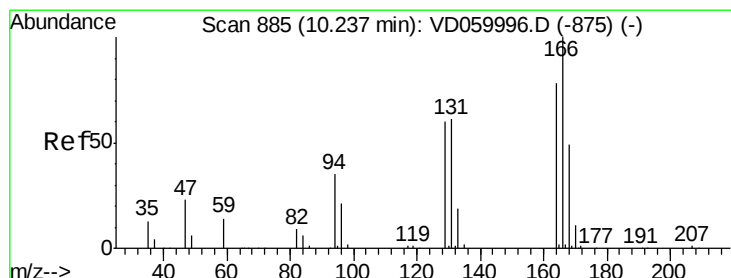
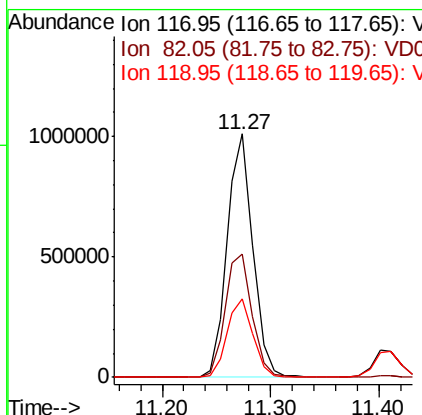
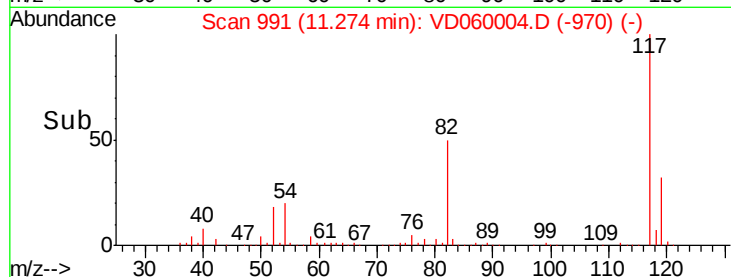
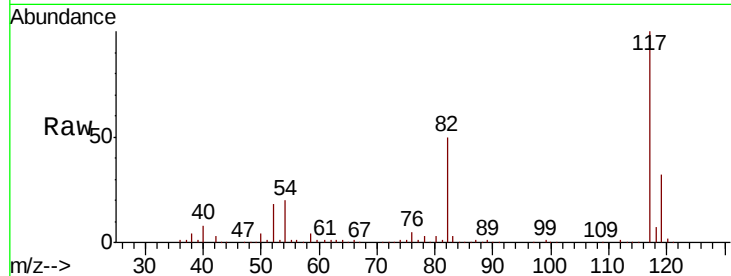
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion:117 Resp: 1670119
Ion Ratio Lower Upper
117 100
82 50.5 41.7 62.5
119 32.4 26.0 39.0

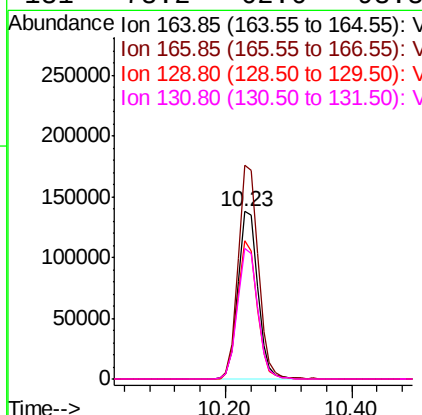
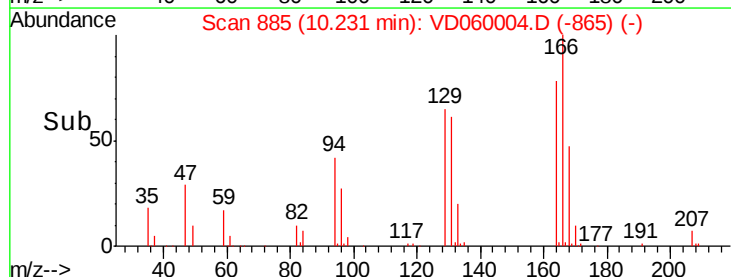
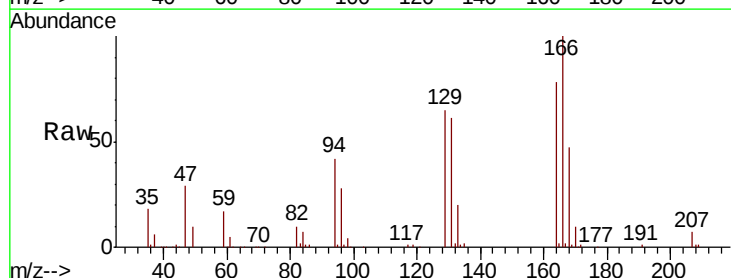
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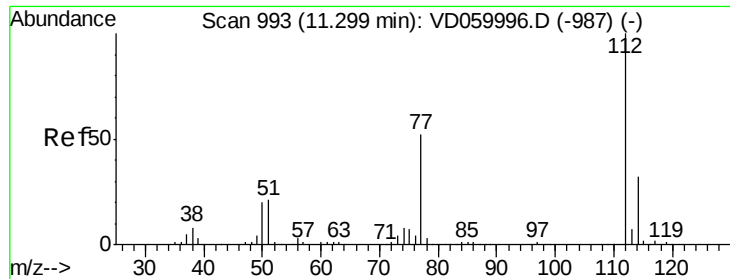
apatel
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#64
Tetrachloroethene
Concen: 20.22 ug/l
RT: 10.23 min Scan# 885
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion:164 Resp: 297993
Ion Ratio Lower Upper
164 100
166 127.4 103.0 154.6
129 82.9 61.9 92.9
131 78.2 62.6 93.8





#65

Chlorobenzene

Concen: 20.64 ug/l

RT: 11.30 min Scan# 994

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleID :

VD0914SBS01

Tot Ion:112 Resp: 741008

Ion Ratio Lower Upper

112 100

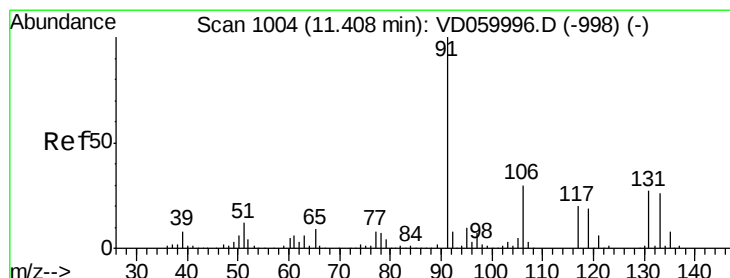
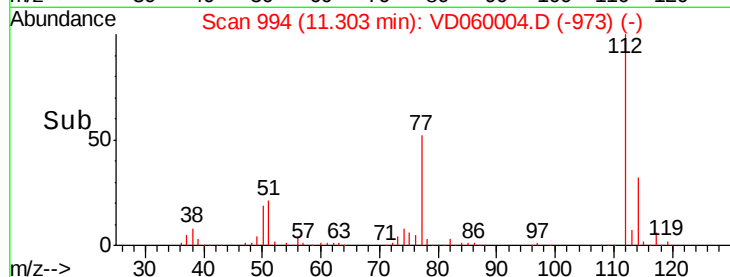
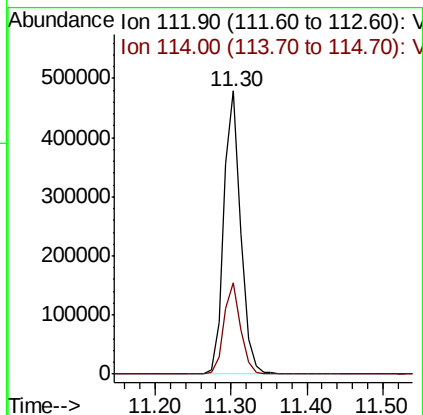
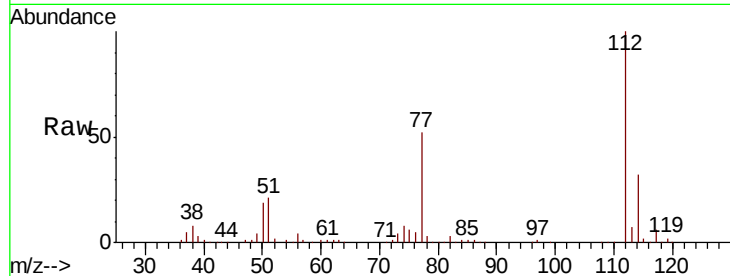
114 32.1 25.3 37.9

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#66

1,1,1,2-Tetrachloroethane

Concen: 21.24 ug/l

RT: 11.41 min Scan# 1005

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

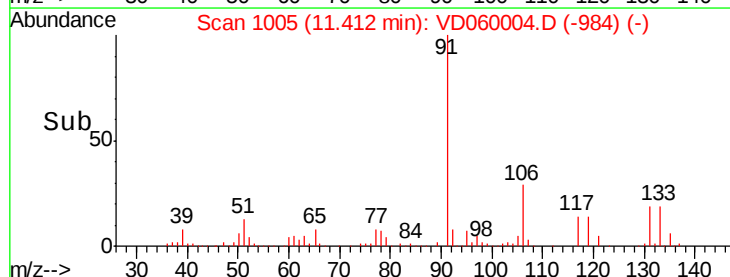
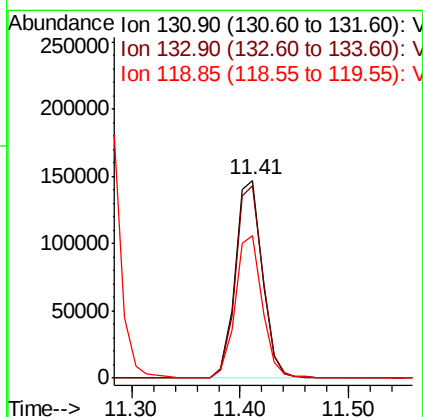
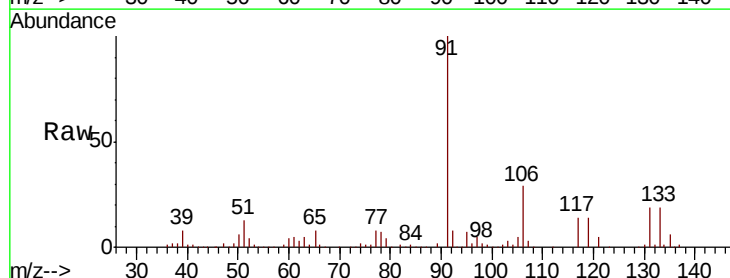
Tgt Ion:131 Resp: 257259

Ion Ratio Lower Upper

131 100

133 97.4 47.4 142.3

119 72.2 35.6 106.9





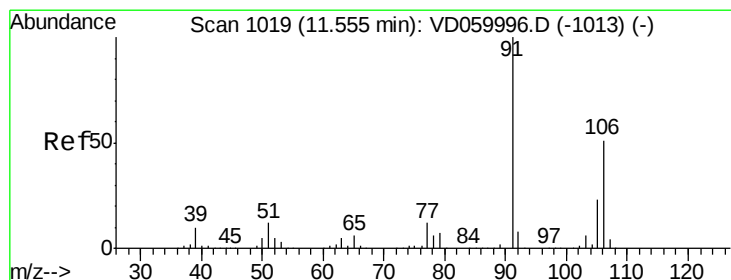
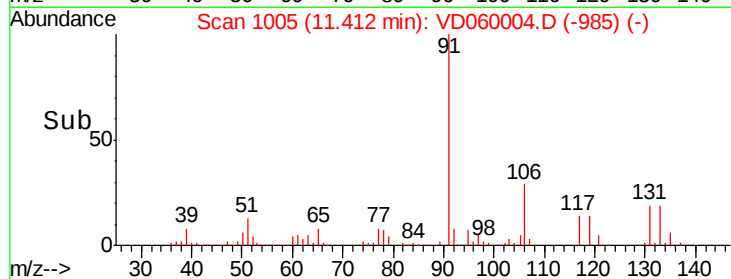
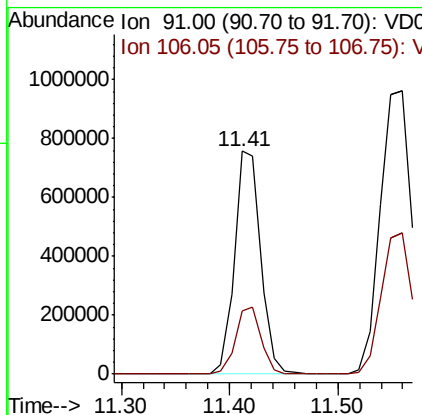
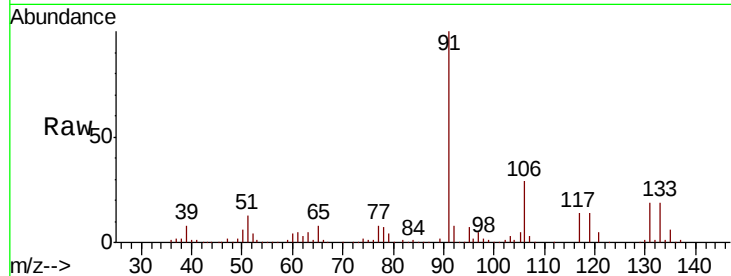
#67
Ethyl Benzene
Concen: 22.01 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleID :
VD0914SBS01

Tot Ion: 91 Resp: 1271942
Ion Ratio Lower Upper
91 100
106 28.6 24.8 37.2

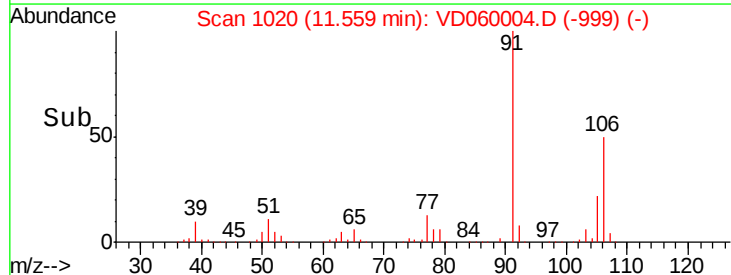
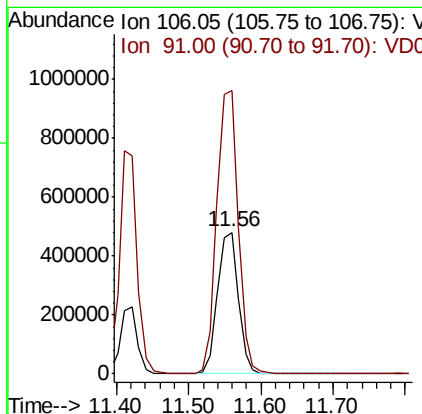
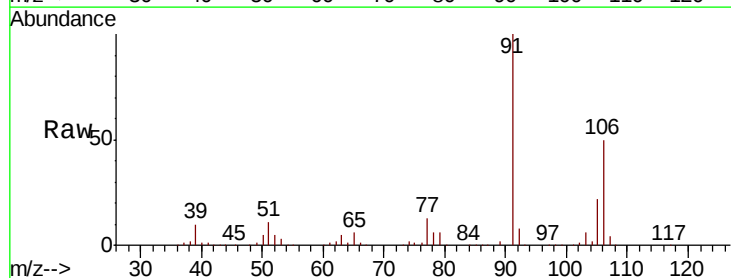
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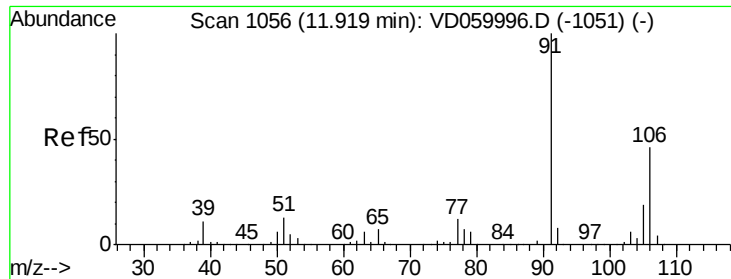
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#68
m/p-Xylenes
Concen: 44.64 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 106 Resp: 952745
Ion Ratio Lower Upper
106 100
91 200.3 157.0 235.6





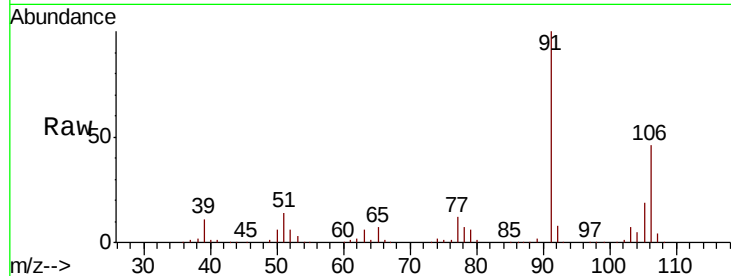
#69
o-Xylene
Concen: 21.55 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

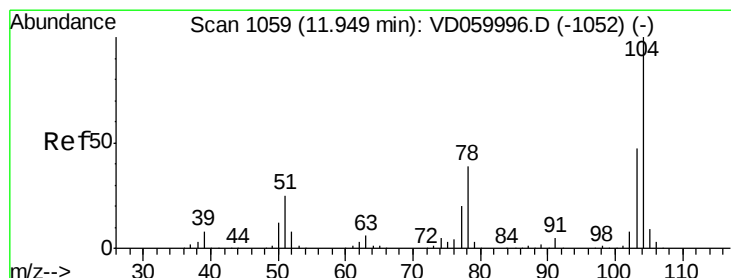
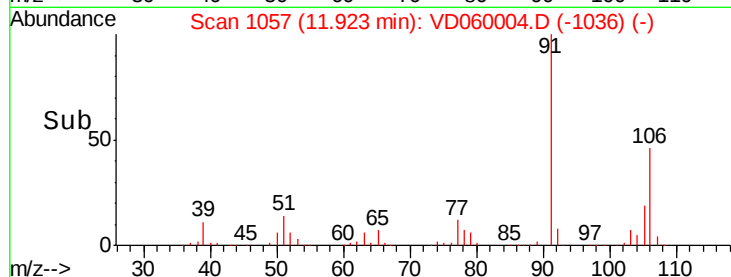
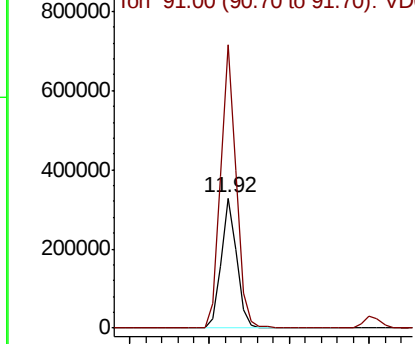
Tot Ion:106 Resp: 455739
Ion Ratio Lower Upper
106 100
91 217.4 107.7 323.1

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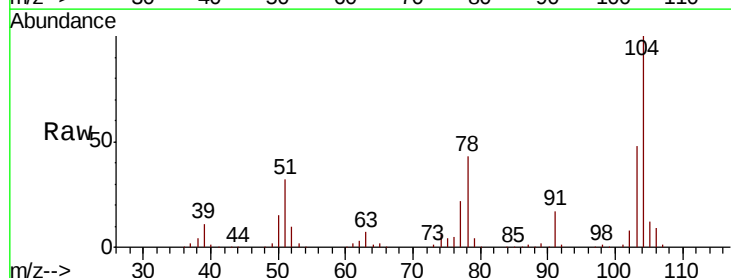


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

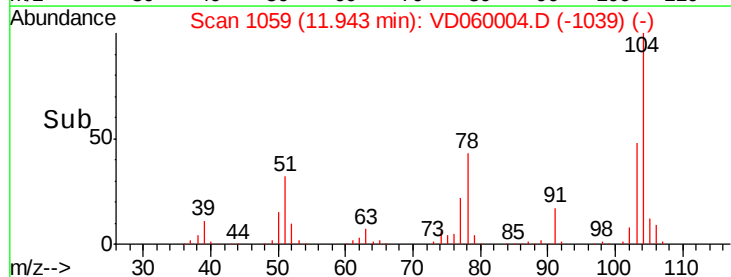
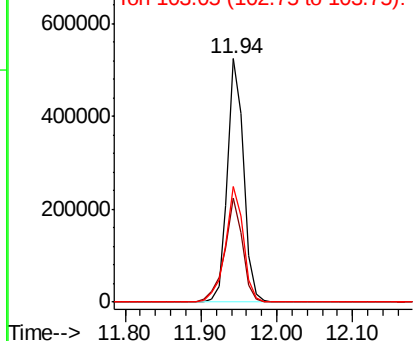


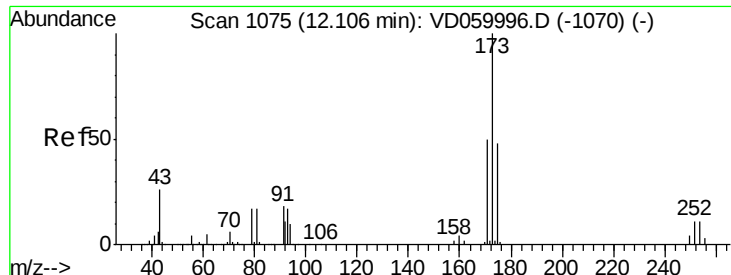
#70
Styrene
Concen: 21.76 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion:104 Resp: 773658
Ion Ratio Lower Upper
104 100
78 42.7 31.0 46.4
103 47.7 37.6 56.4



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





#71

Bromoform

Concen: 18.95 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

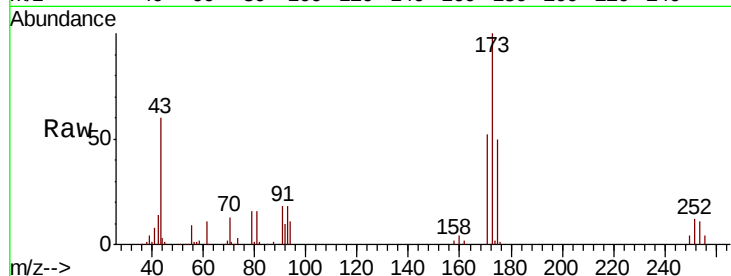
ClientSampleId :

VD0914SBS001

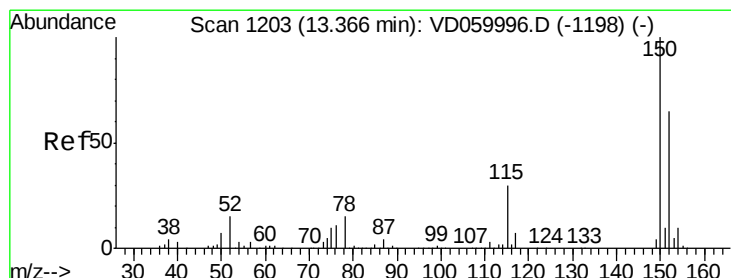
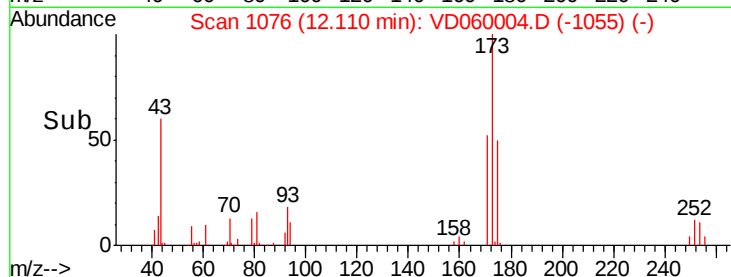
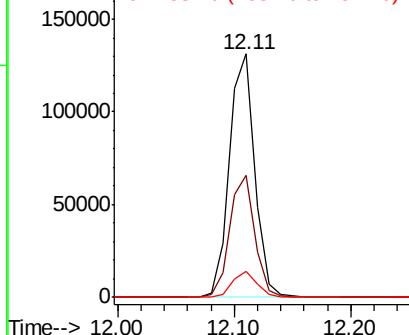
Tot Ion:	173	Resp:	197168
Ion Ratio	Lower	Upper	
173	100		
175	50.3	24.0	72.0
254	10.8	8.6	13.0

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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: 50.00 ug/l

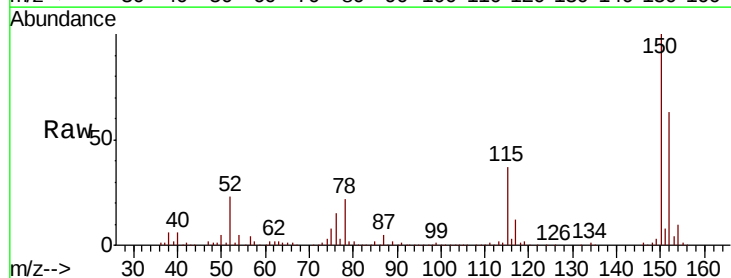
RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

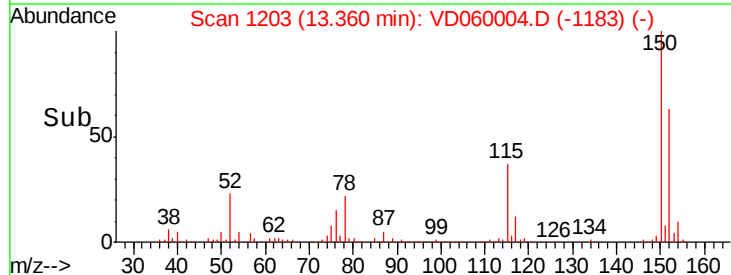
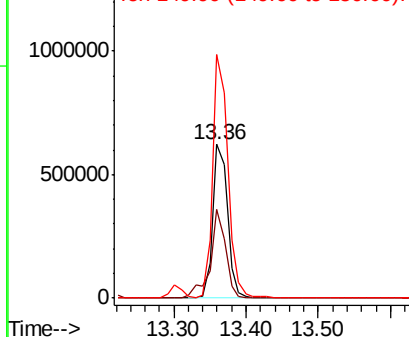
Lab File: VD060004.D

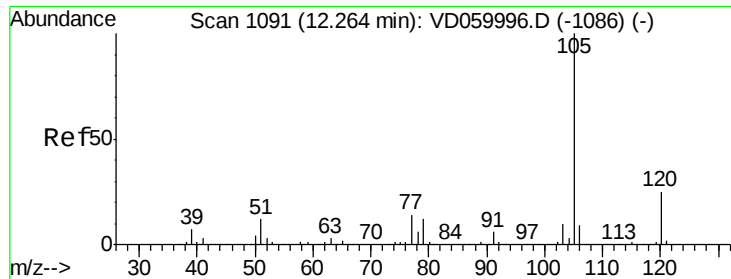
Acq: 14 Sep 2018 12:25

Tgt Ion:	152	Resp:	873984
Ion Ratio	Lower	Upper	
152	100		
115	57.8	24.6	73.8
150	158.2	0.0	313.4



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





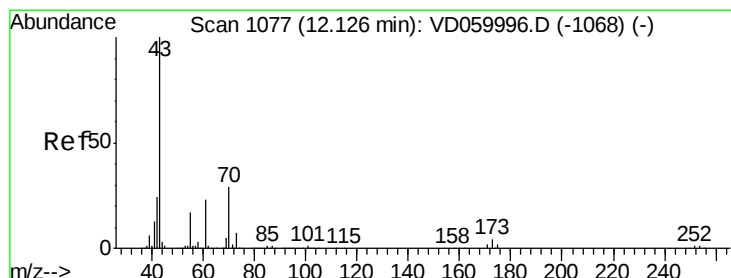
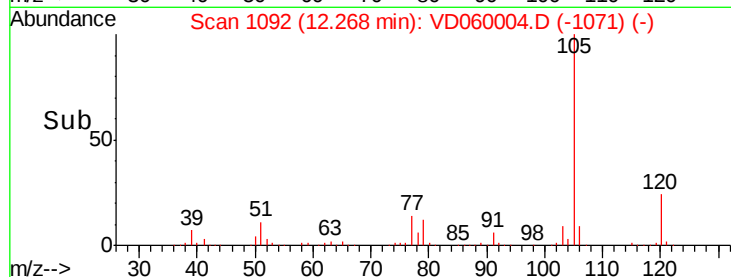
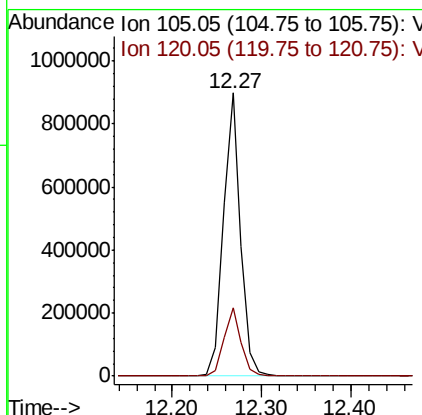
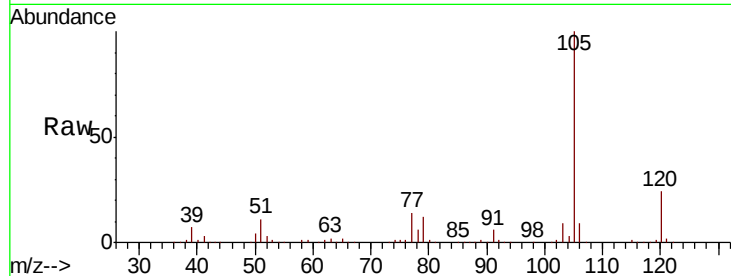
#73
Isopropylbenzene
Concen: 21.24 ug/l
RT: 12.27 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

Tot Ion: 105 Resp: 1217606
Ion Ratio Lower Upper
105 100
120 24.1 12.3 36.9

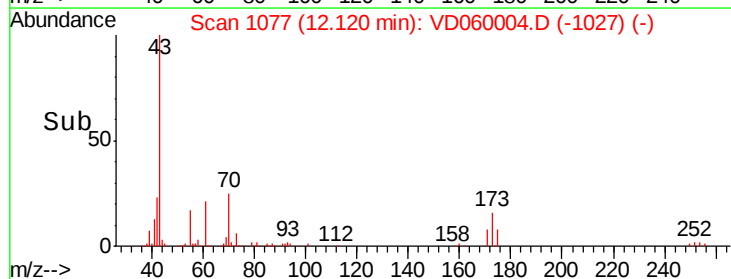
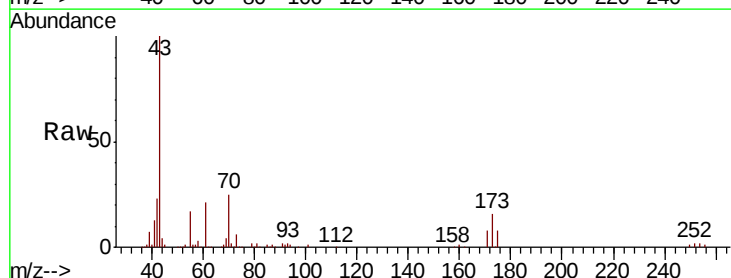
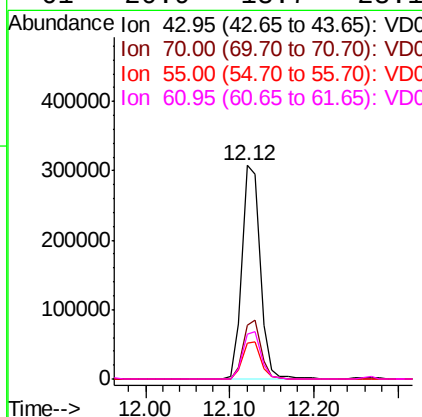
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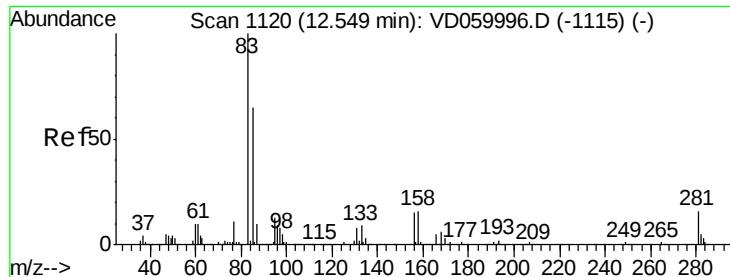
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#74
N-ethyl acetate
Concen: 20.56 ug/l
RT: 12.12 min Scan# 1077
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 43 Resp: 466785
Ion Ratio Lower Upper
43 100
70 25.1 22.9 34.3
55 16.6 14.0 21.0
61 20.9 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.45 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

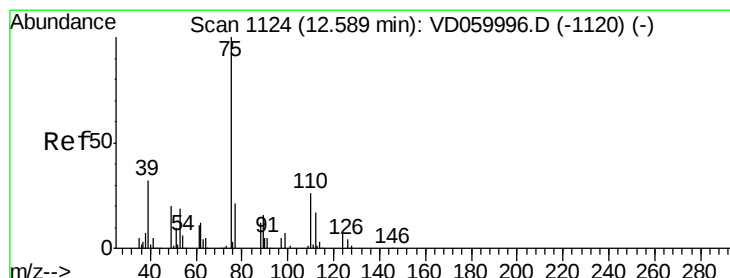
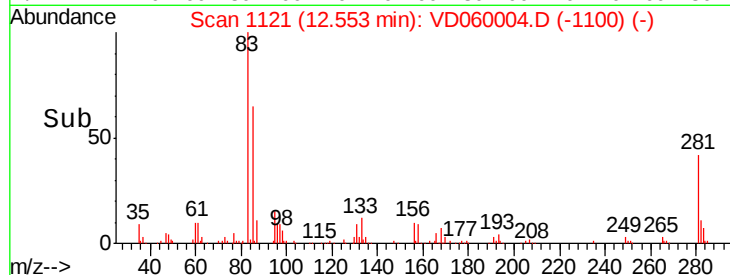
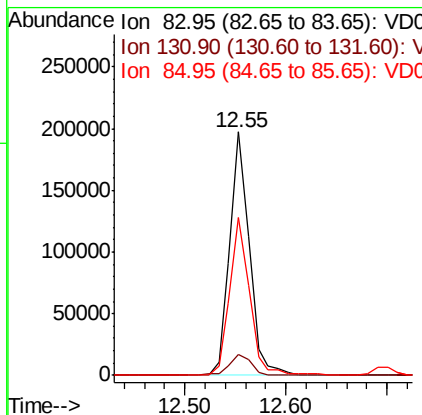
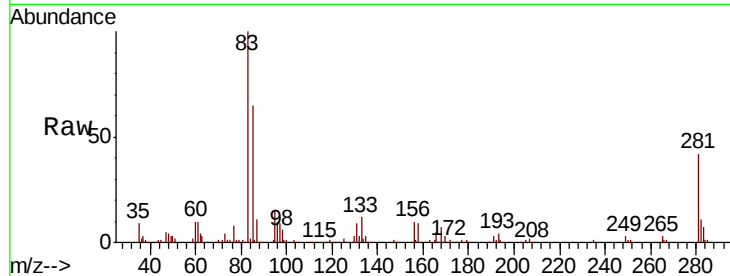
ClientSampleId :

VD0914SBS01

Tot Ion	83	Resp	265983
Ion Ratio	Lower	Upper	
83	100		
131	8.7	4.1	12.3
85	65.0	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.33 ug/l

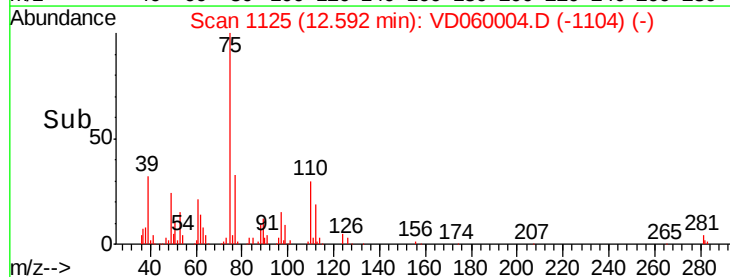
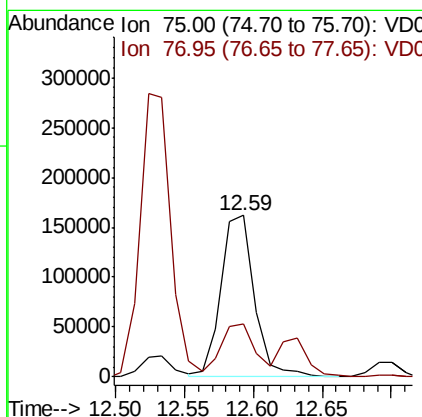
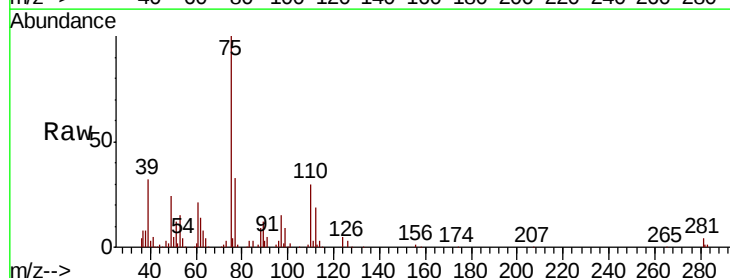
RT: 12.59 min Scan# 1125

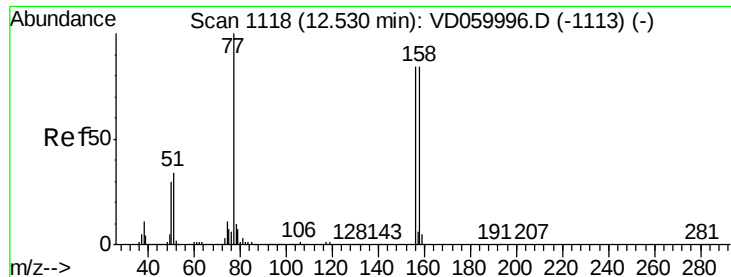
Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Tgt Ion	75	Resp	271428
Ion Ratio	Lower	Upper	
75	100		
77	33.0	16.4	49.4





#77

Bromobenzene

Concen: 21.39 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

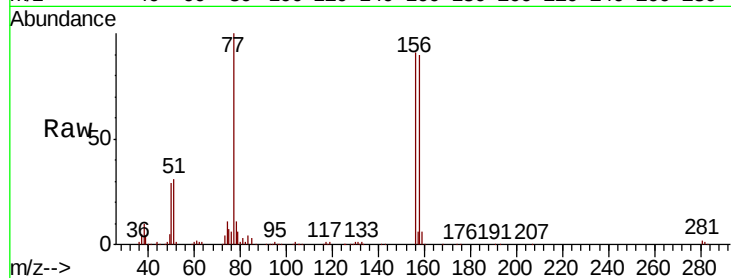
ClientSampleId :

VD0914SBSD01

Tot Ion	Ratio	Lower	Upper
156	100		
77	109.9	59.5	178.4
158	98.5	50.0	149.8

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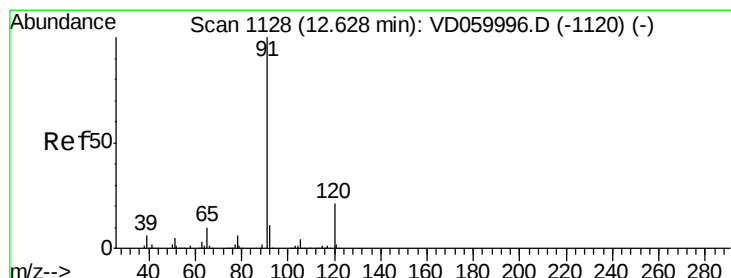
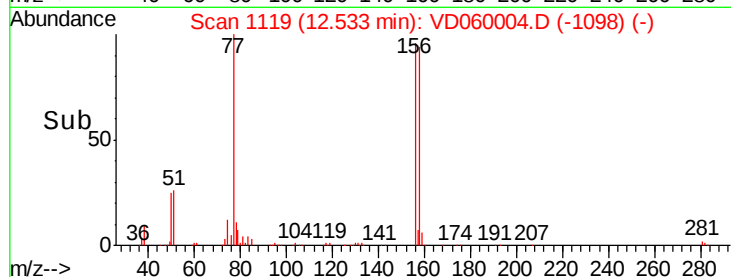
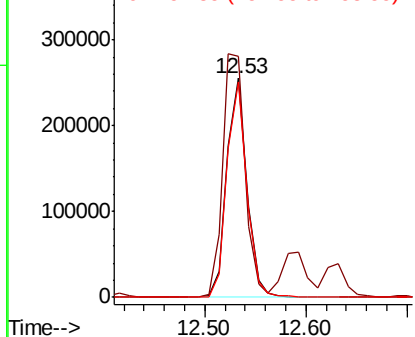
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Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 22.39 ug/l

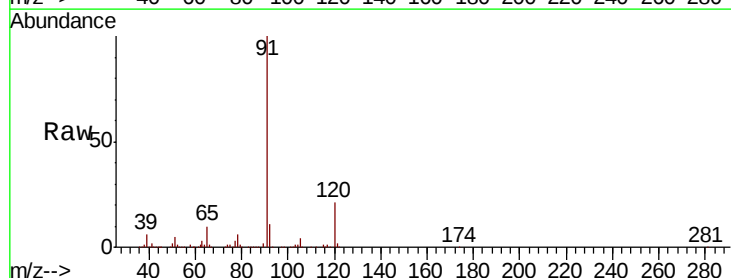
RT: 12.63 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VD060004.D

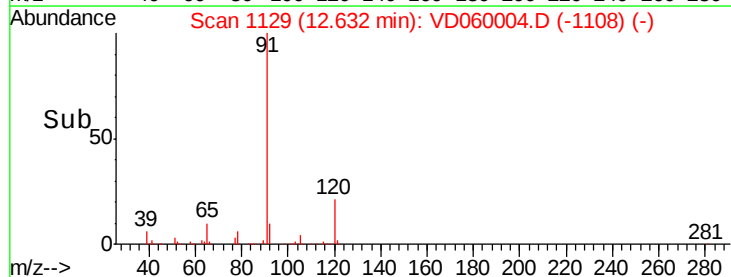
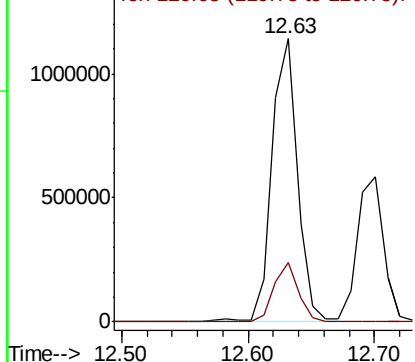
Acq: 14 Sep 2018 12:25

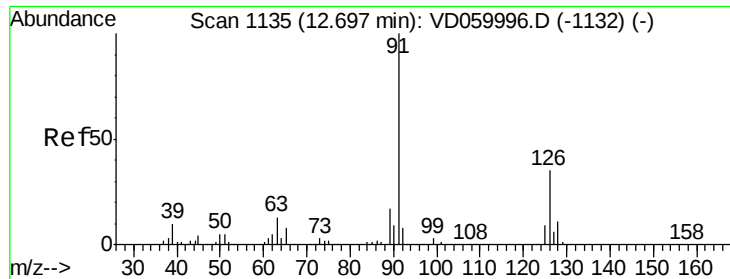
Tgt Ion	Ratio	Lower	Upper
91	100		
120	21.1	10.7	31.9



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





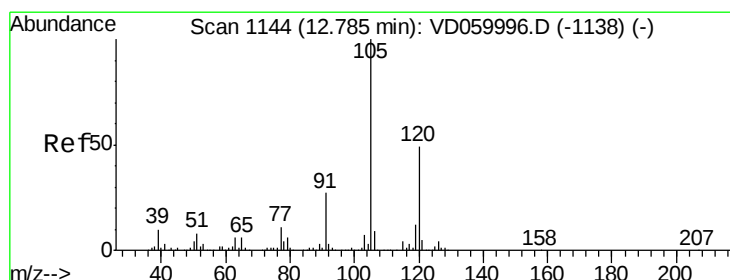
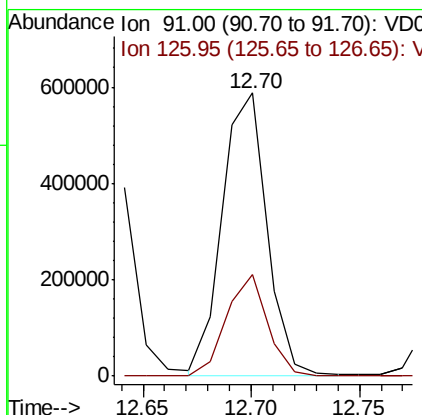
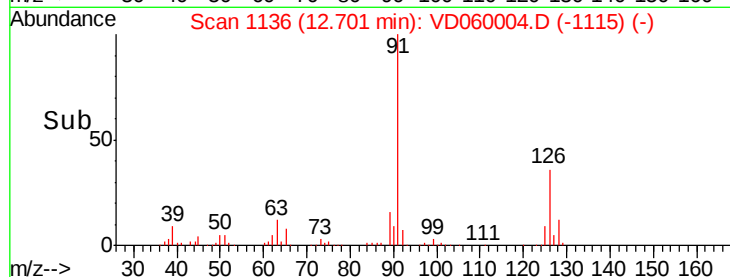
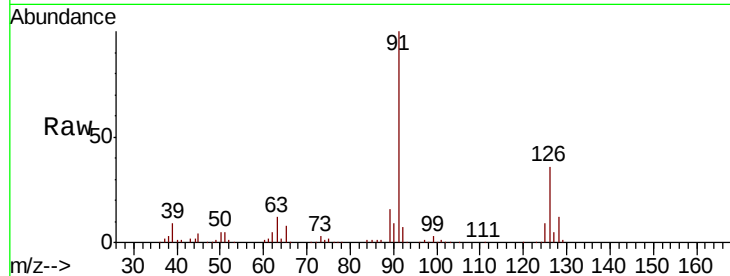
#79
2-Chlorotoluene
Concen: 20.84 ug/l
RT: 12.70 min Scan# 1136
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

Tot Ion: 91 Resp: 847703
Ion Ratio Lower Upper
91 100
126 36.0 17.3 52.0

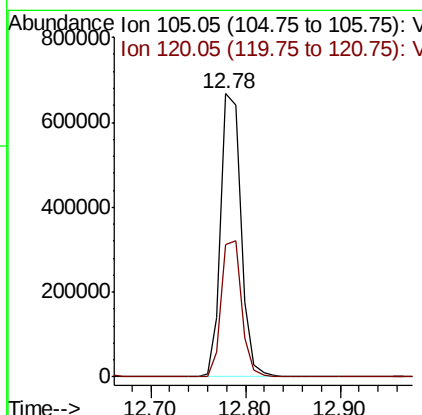
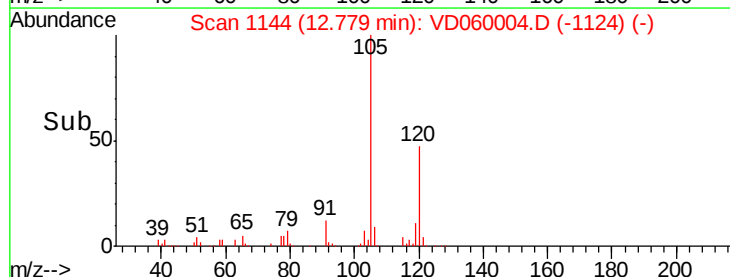
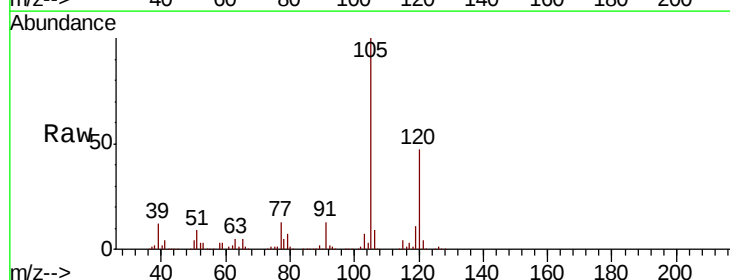
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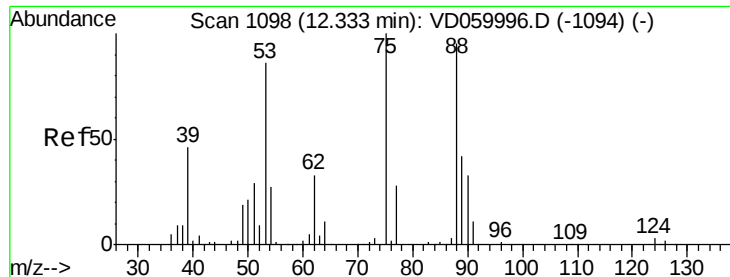
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#80
1,3,5-Trimethylbenzene
Concen: 22.48 ug/l
RT: 12.78 min Scan# 1144
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion:105 Resp: 987804
Ion Ratio Lower Upper
105 100
120 46.7 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 19.16 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060004.D

Acq: 14 Sep 2018 12:25

Instrument :

MSVOA_D

ClientSampleId :

VD0914SBS01

Tot Ion: 75 Resp: 77200

Ion Ratio Lower Upper

75 100

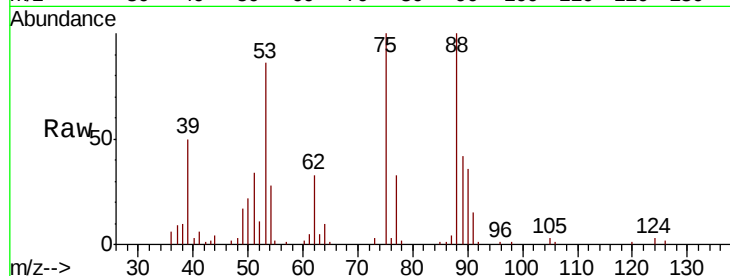
53 86.4 68.4 102.6

89 42.4 33.8 50.6

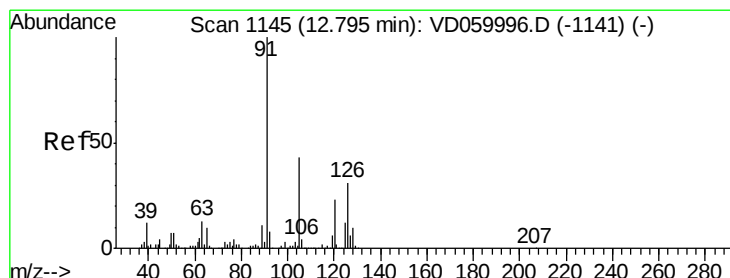
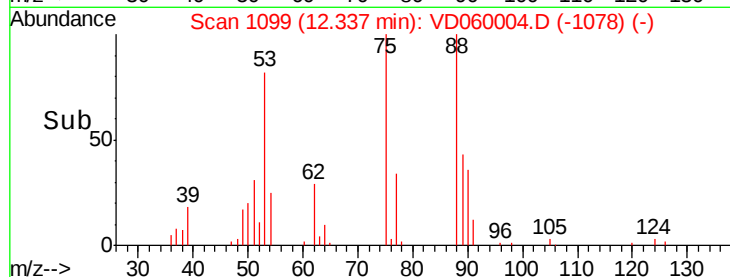
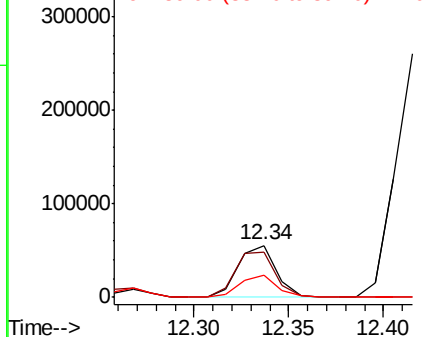
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Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 53.00 (52.70 to 53.70): VDC
Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 22.54 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060004.D

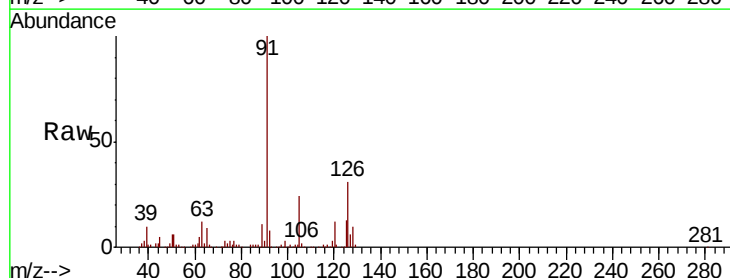
Acq: 14 Sep 2018 12:25

Tgt Ion: 91 Resp: 1008264

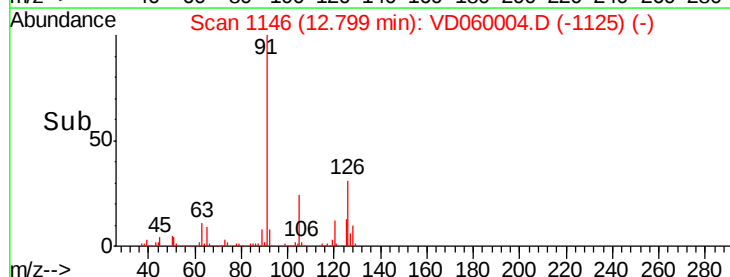
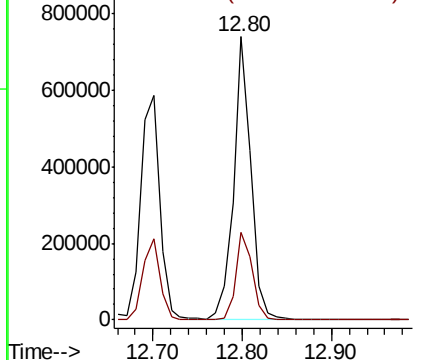
Ion Ratio Lower Upper

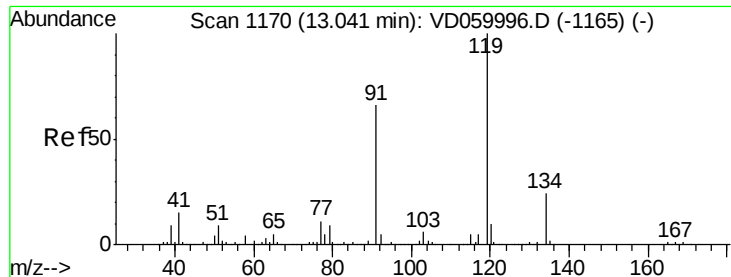
91 100

126 31.0 15.4 46.1



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





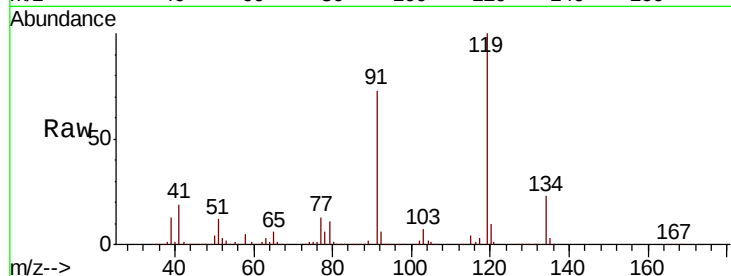
#83
tert-Butylbenzene
Concen: 21.41 ug/l
RT: 13.04 min Scan# 1170
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

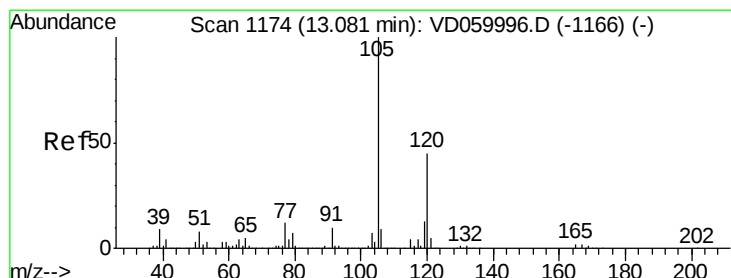
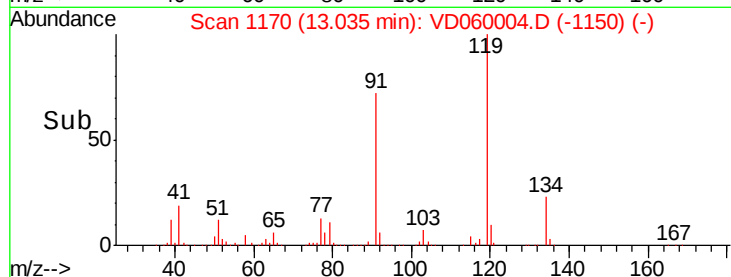
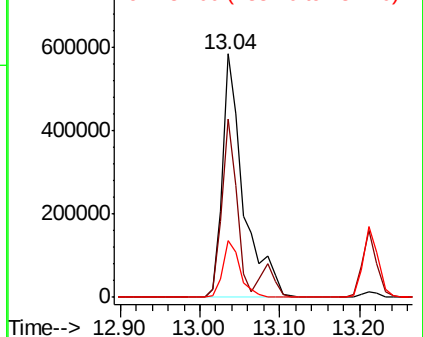
Tot Ion	Ratio	Lower	Upper
119	100		
91	73.3	32.9	98.6
134	23.3	12.0	36.0

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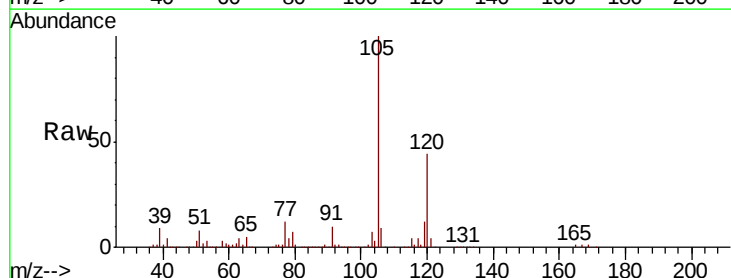


Abundance Ion 119.05 (118.75 to 119.75): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

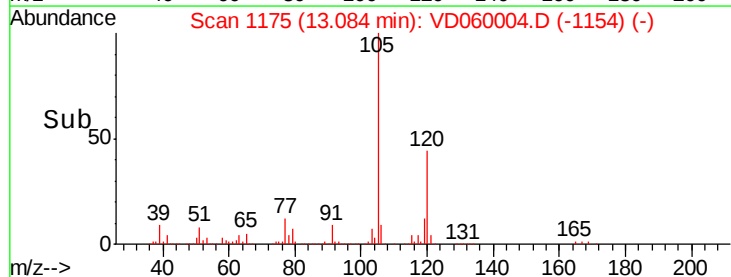
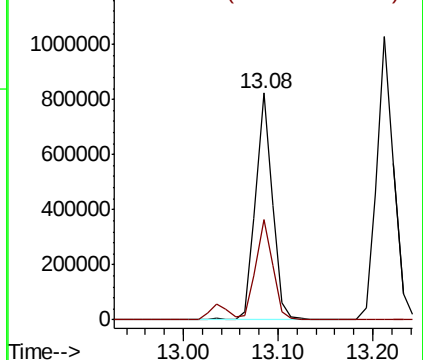


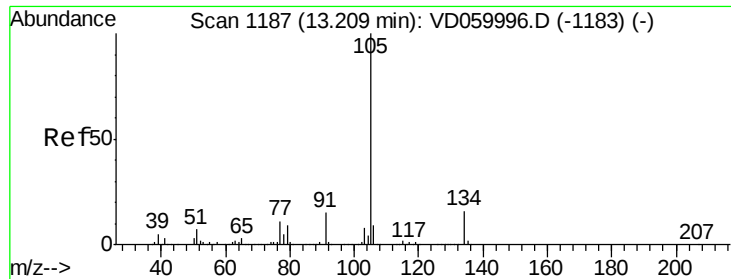
#84
1,2,4-Trimethylbenzene
Concen: 21.91 ug/l
RT: 13.08 min Scan# 1175
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.4	67.0



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





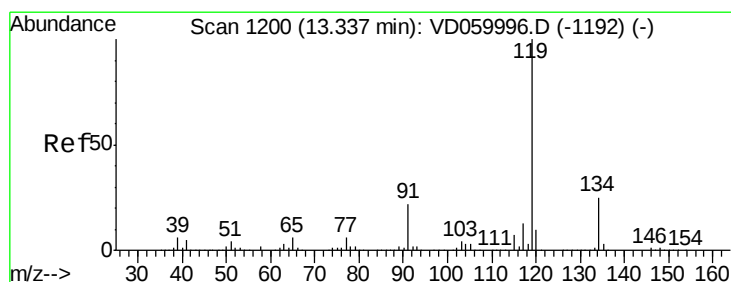
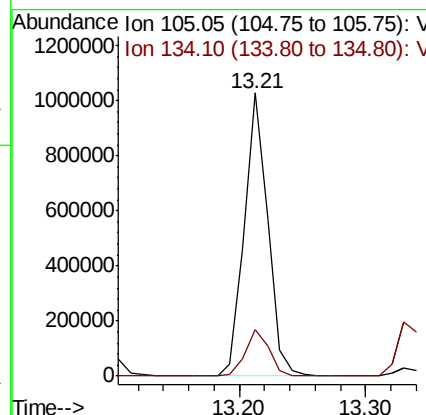
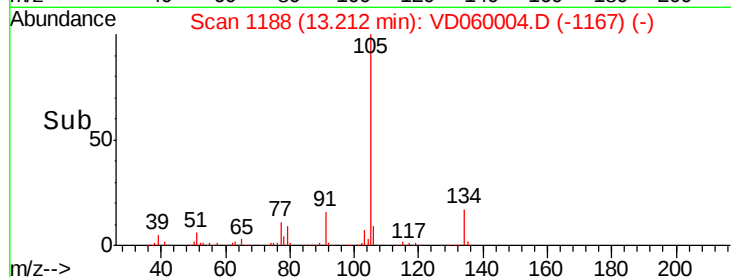
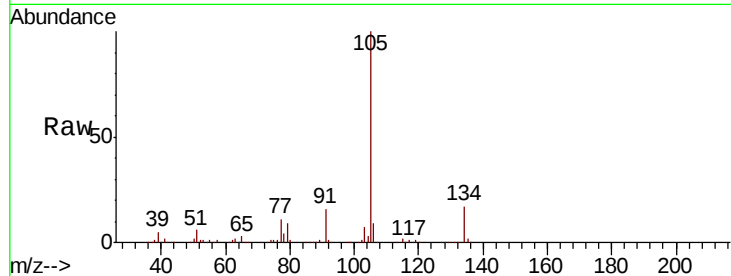
#85
 sec-Butylbenzene
 Concen: 21.64 ug/l
 RT: 13.21 min Scan# 1188
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Tot Ion:105 Resp: 1307262
 Ion Ratio Lower Upper
 105 100
 134 16.6 8.2 24.6

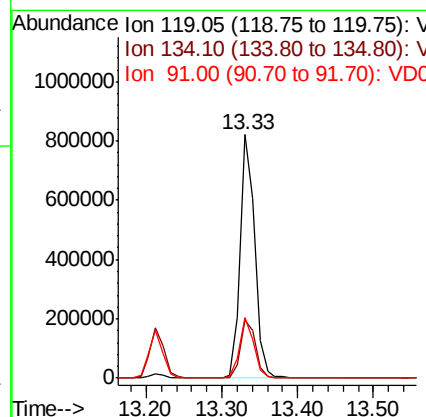
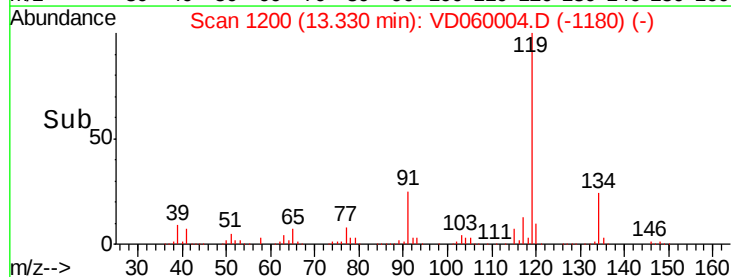
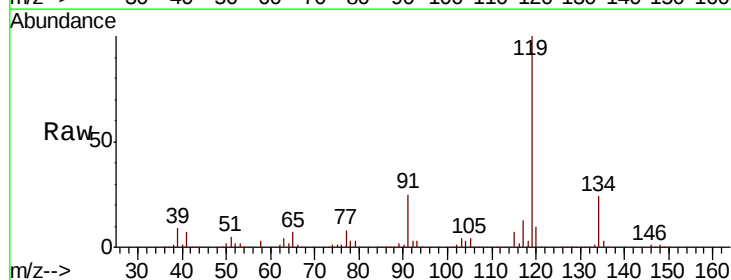
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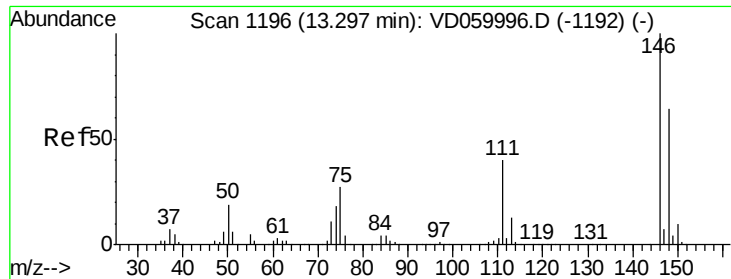
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#86
 p-Isopropyltoluene
 Concen: 21.99 ug/l
 RT: 13.33 min Scan# 1200
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion:119 Resp: 1074335
 Ion Ratio Lower Upper
 119 100
 134 23.7 12.8 38.3
 91 24.7 11.1 33.3





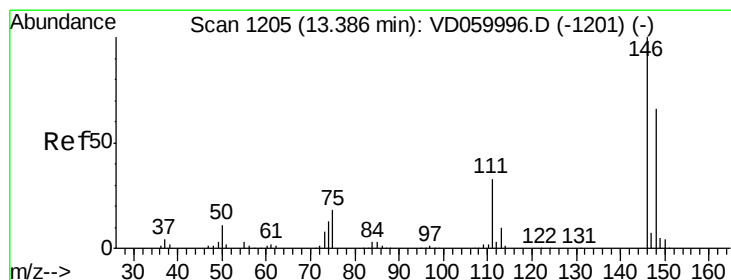
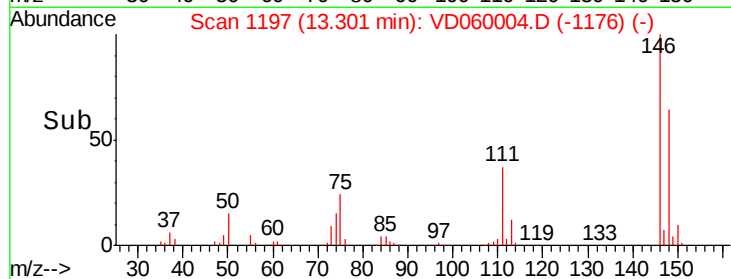
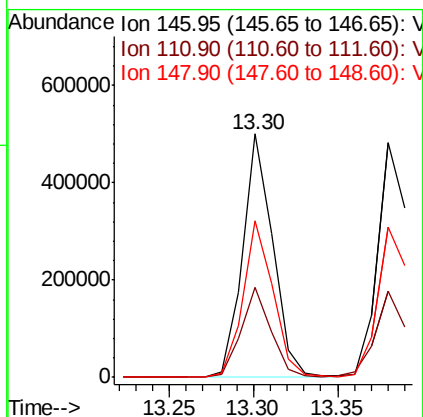
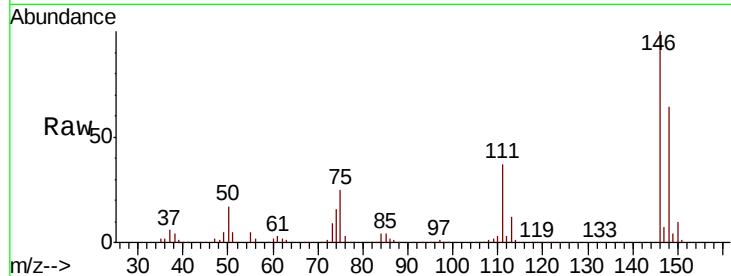
#87
 1,3-Dichlorobenzene
 Concen: 21.61 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	620595		
111	36.9	20.2	60.5	
148	64.1	32.0	96.2	

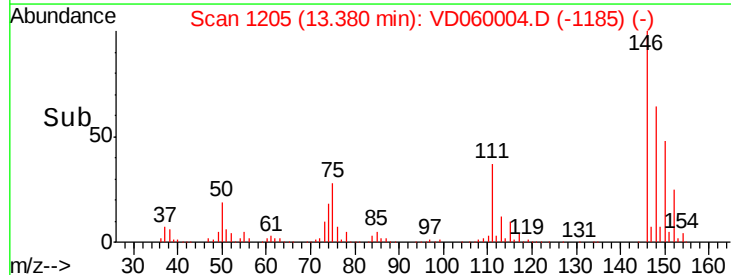
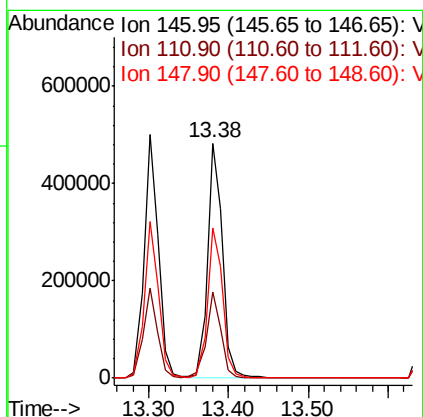
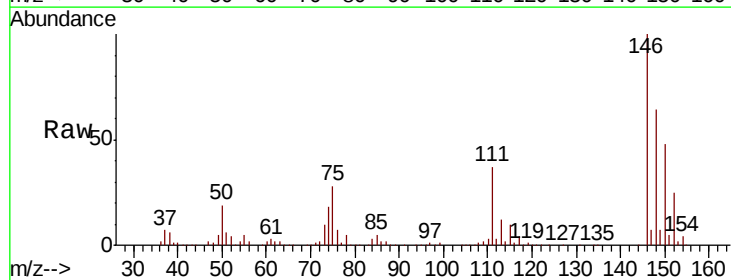
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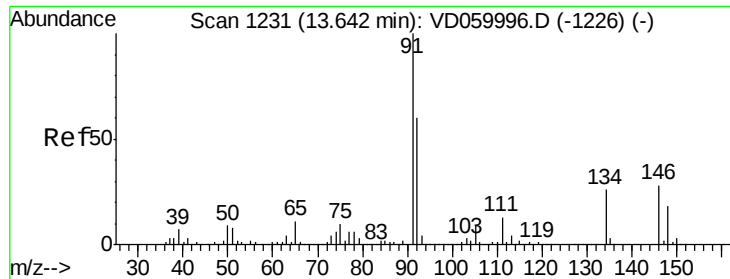
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#88
 1,4-Dichlorobenzene
 Concen: 21.44 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	624360		
111	36.9	16.7	50.0	
148	64.2	32.9	98.6	





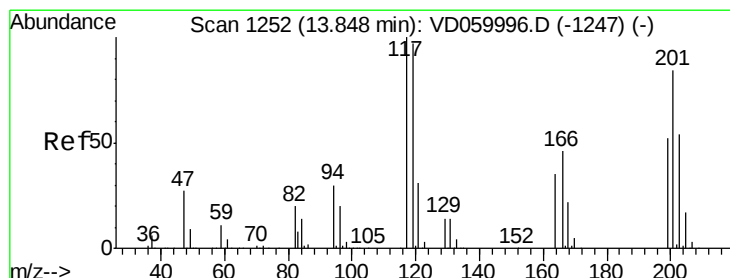
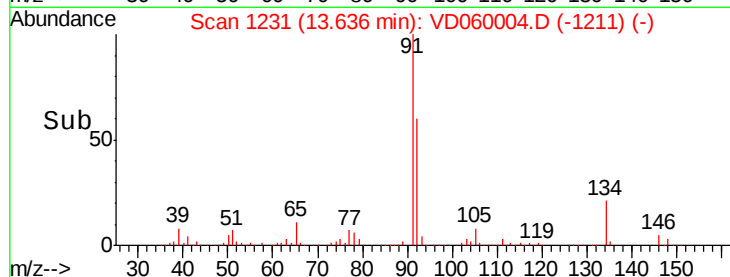
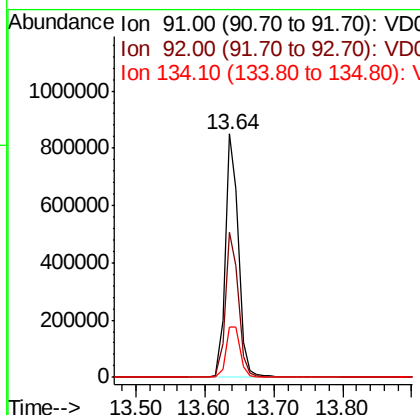
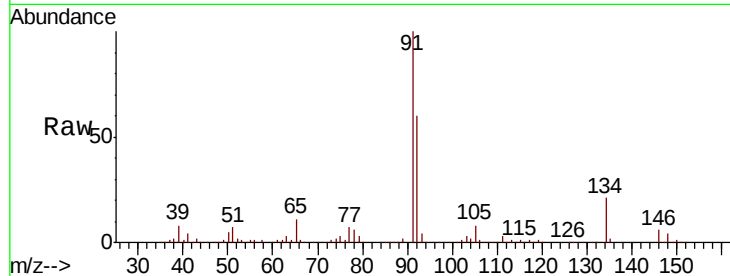
#89
n-Butylbenzene
Concen: 21.47 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBS01

Tot Ion: 91 Resp: 1126312
Ion Ratio Lower Upper
91 100
92 59.5 29.8 89.3
134 20.6 13.2 39.6

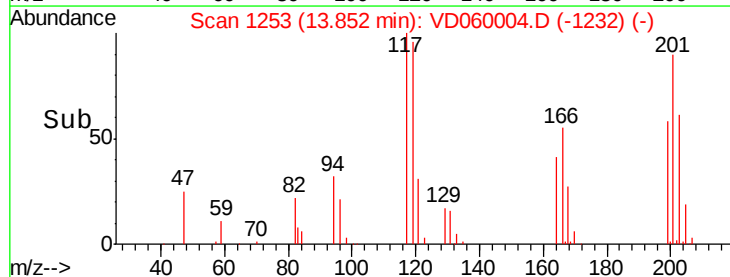
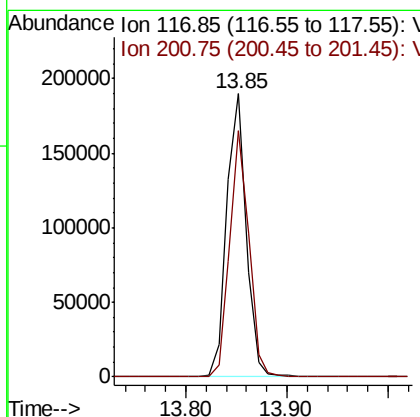
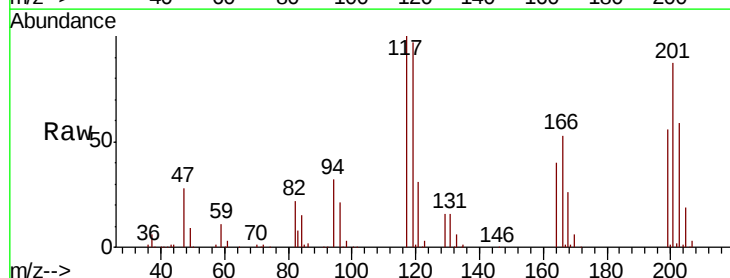
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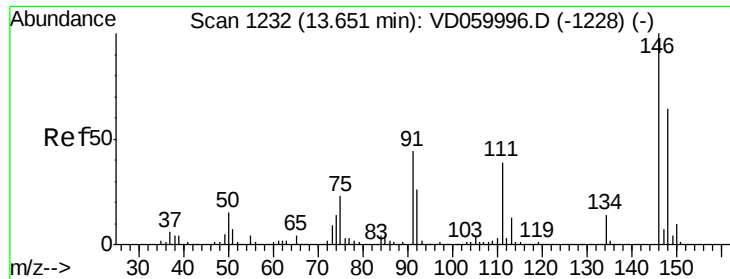
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#90
Hexachloroethane
Concen: 21.03 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion: 117 Resp: 254478
Ion Ratio Lower Upper
117 100
201 87.2 42.1 126.4





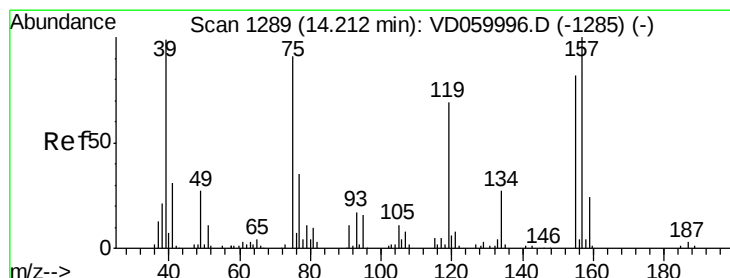
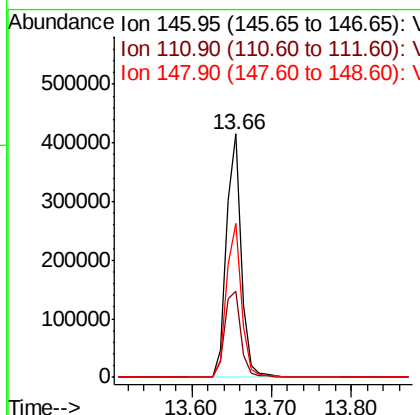
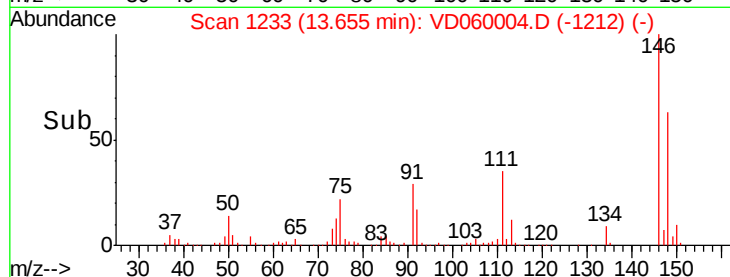
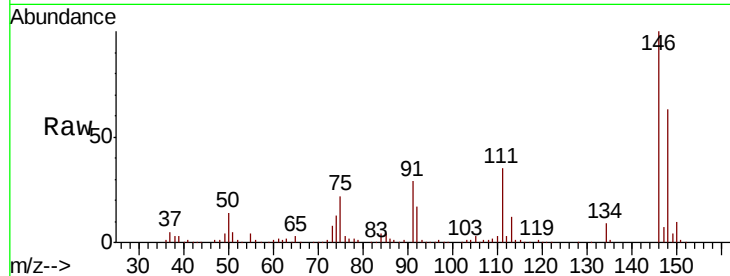
#91
 1,2-Dichlorobenzene
 Concen: 20.70 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.4	19.6	58.7
148	63.5	31.9	95.7

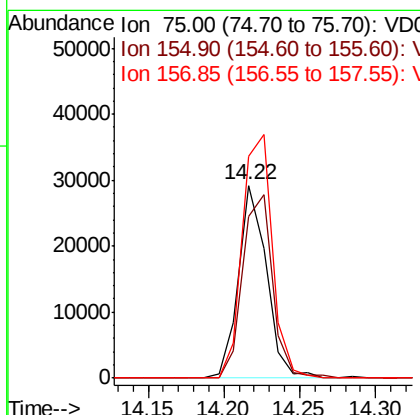
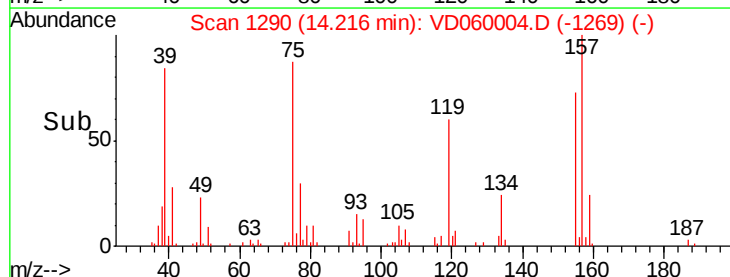
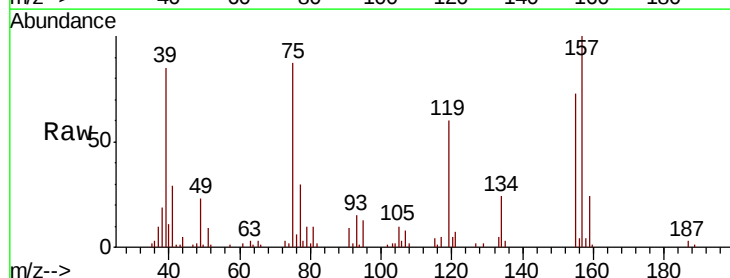
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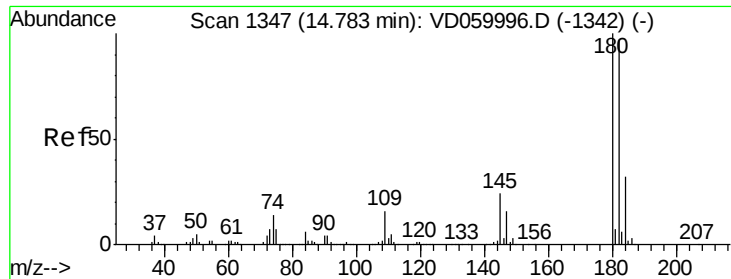
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.85 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	84.1	44.7	134.1
157	114.7	54.7	164.1





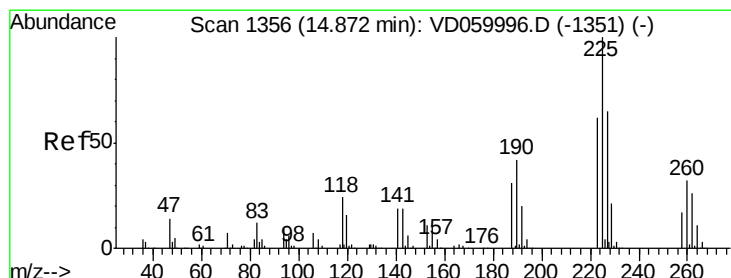
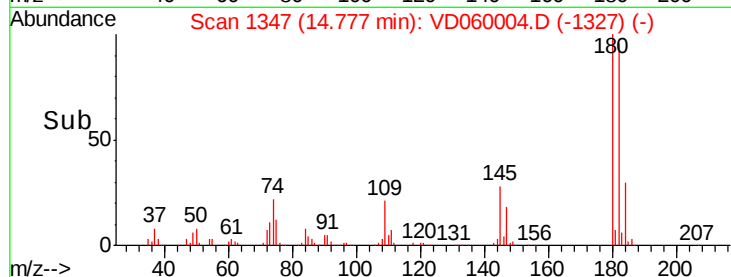
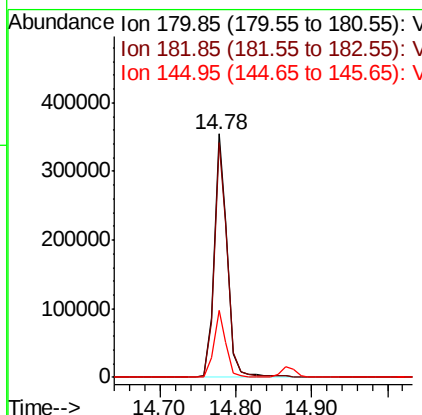
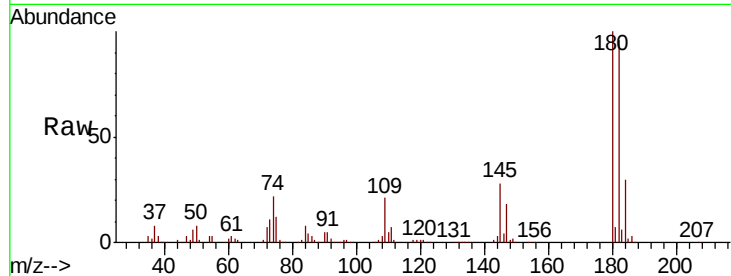
#93
 1,2,4-Trichlorobenzene
 Concen: 21.39 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0914SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	437591		
182	96.2	48.5	145.6	
145	27.7	11.9	35.7	

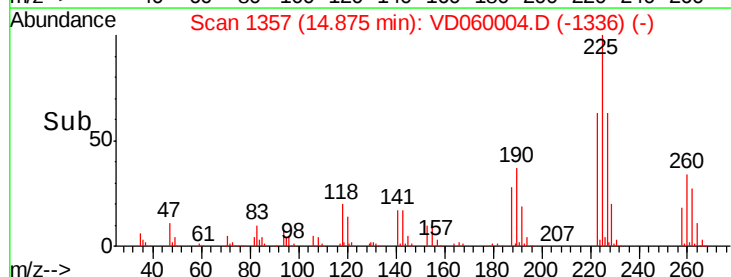
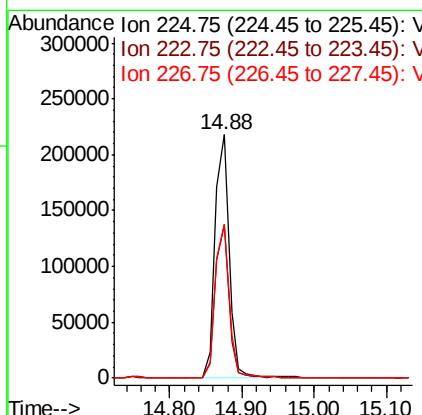
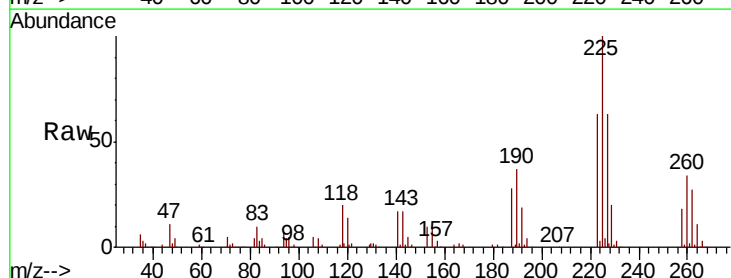
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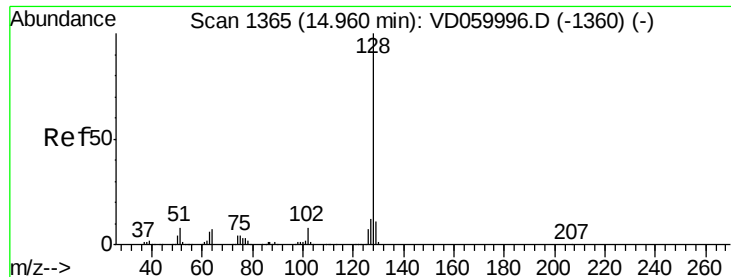
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#94
 Hexachlorobutadiene
 Concen: 21.79 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060004.D
 Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	294877		
223	62.7	31.2	93.6	
227	63.3	32.3	96.8	





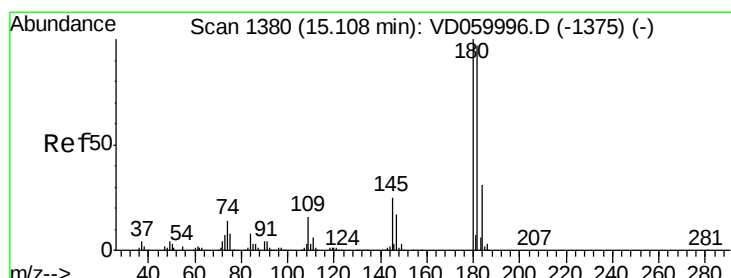
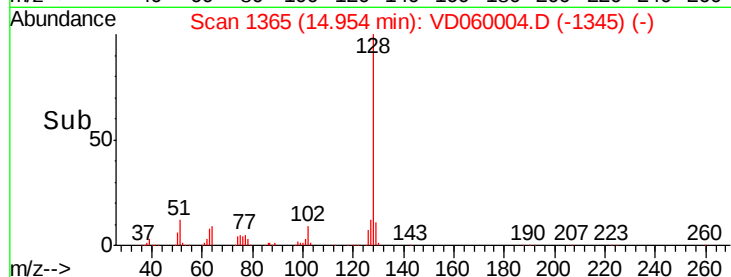
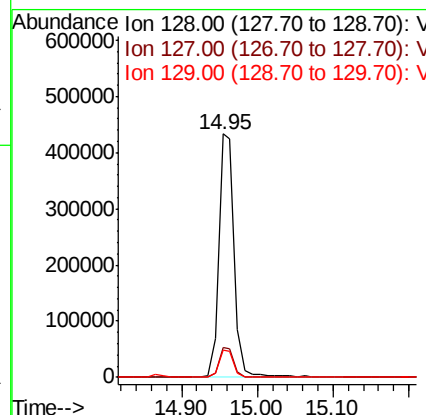
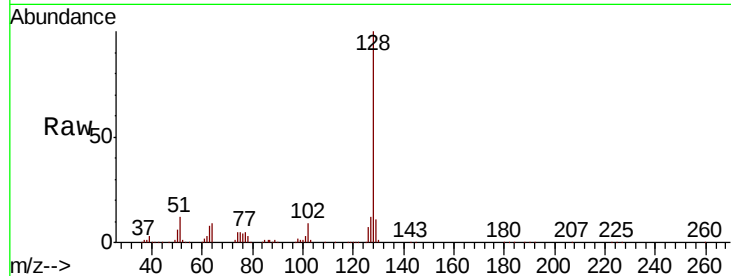
#95
Naphthalene
Concen: 19.82 ug/l
RT: 14.95 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Instrument :
MSVOA_D
ClientSampleId :
VD0914SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
128	100	626452		
127	12.2		9.7	14.5
129	11.4		8.9	13.3

Manual Integrations
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#96
1,2,3-Trichlorobenzene
Concen: 20.33 ug/l
RT: 15.10 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VD060004.D
Acq: 14 Sep 2018 12:25

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	366509		
182	94.3		48.6	145.9
145	30.1		12.7	38.1

