

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD092518\
 Data File : VD060089.D
 Acq On : 25 Sep 2018 13:17
 Operator : VA/AP
 Sample : VD0925SBS01
 Misc : 5.00g/5ml/MSVOA D/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Manual Integrations
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 9/26/2018 12:22:18 PM

Quant Time: Sep 25 14:55:48 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	1558954	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.43	114	2119217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.27	117	1718991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.36	152	922140	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.77	65	620539	51.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.08%	
35) Dibromofluoromethane	6.30	113	863642	52.16	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.32%	
50) Toluene-d8	9.44	98	2326212	50.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.40%	
62) 4-Bromofluorobenzene	12.42	95	914255	52.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.30%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.57	85	279218	16.968	ug/l	100
3) Chloromethane	1.75	50	302886	20.837	ug/l	99
4) Vinyl Chloride	1.84	62	246674	21.110	ug/l	99
5) Bromomethane	2.12	94	20675	14.947	ug/l	88
6) Chloroethane	2.23	64	55728	21.332	ug/l	93
7) Trichlorofluoromethane	2.49	101	268745	20.889	ug/l	99
8) Diethyl Ether	2.81	74	59568	21.781	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.07	101	183220	22.585	ug/l	98
10) Methyl Iodide	3.22	142	171515	19.962	ug/l	99
11) Tert butyl alcohol	3.95	59	78288	79.807	ug/l	98
12) 1,1-Dichloroethene	3.06	96	143423	22.359	ug/l	88
13) Acrolein	2.97	56	49569	81.598	ug/l	89
14) Allyl chloride	3.51	41	297588	21.999	ug/l	96
15) Acrylonitrile	4.06	53	369430	99.768	ug/l	99
16) Acetone	3.15	43	289164	123.195	ug/l	100
17) Carbon Disulfide	3.29	76	451008	20.407	ug/l	98
18) Methyl Acetate	3.53	43	108822	22.797	ug/l	98
19) Methyl tert-butyl Ether	4.10	73	592424	19.989	ug/l	97
20) Methylene Chloride	3.70	84	421214	21.047	ug/l	98
21) trans-1,2-Dichloroethene	4.07	96	334329	19.862	ug/l	94
22) Diisopropyl ether	4.83	45	1238664	20.074	ug/l	94
23) Vinyl Acetate	4.78	43	3583473	102.508	ug/l	99
24) 1,1-Dichloroethane	4.73	63	565442	20.420	ug/l	99
25) 2-Butanone	5.60	43	706613	111.561	ug/l	99
26) 2,2-Dichloropropane	5.57	77	443432	20.598	ug/l	99
27) cis-1,2-Dichloroethene	5.58	96	363881	20.666	ug/l	97
28) Bromochloromethane	5.90	49	271853	20.424	ug/l	97
29) Tetrahydrofuran	5.93	42	326083	95.998	ug/l	100
30) Chloroform	6.08	83	585909	20.864	ug/l	99
31) Cyclohexane	6.34	56	523858	19.403	ug/l	99
32) 1,1,1-Trichloroethane	6.27	97	462676	19.865	ug/l	96
36) 1,1-Dichloropropene	6.50	75	432947	20.566	ug/l	98
37) Ethyl Acetate	5.67	43	287093	19.832	ug/l	97
38) Carbon Tetrachloride	6.48	117	393081	20.003	ug/l	97

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Manual Integrations
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Quant Time: Sep 25 14:55:48 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)
39) Methylcyclohexane	8.02	83	491826	20.653	ug/l	99
40) Benzene	6.78	78	1119809	20.871	ug/l	99
41) Methacrylonitrile	5.91	41	146845m	19.367	ug/l	
42) 1,2-Dichloroethane	6.88	62	319271	19.818	ug/l	100
43) Isopropyl Acetate	8.33	43	378264	19.516	ug/l #	98
44) Trichloroethene	7.72	130	336632	20.307	ug/l	98
45) 1,2-Dichloropropane	8.09	63	300215	20.925	ug/l	98
46) Dibromomethane	8.19	93	192489	20.563	ug/l	96
47) Bromodichloromethane	8.47	83	409617	20.296	ug/l	99
48) Methyl methacrylate	8.23	41	214716	19.890	ug/l	97
49) 1,4-Dioxane	8.21	88	39291	366.457	ug/l	98
51) 4-Methyl-2-Pentanone	9.33	43	1540704	108.833	ug/l	99
52) Toluene	9.53	92	732922	21.311	ug/l	100
53) t-1,3-Dichloropropene	9.91	75	365458	19.415	ug/l	99
54) cis-1,3-Dichloropropene	9.09	75	462421	20.561	ug/l	99
55) 1,1,2-Trichloroethane	10.16	97	239407	20.050	ug/l	98
56) Ethyl methacrylate	10.01	69	271290	20.483	ug/l	97
57) 1,3-Dichloropropane	10.37	76	371330	21.067	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.90	63	711342	111.223	ug/l	95
59) 2-Hexanone	10.48	43	1119109	109.893	ug/l	100
60) Dibromochloromethane	10.62	129	295599	20.339	ug/l	96
61) 1,2-Dibromoethane	10.74	107	254677	20.657	ug/l	95
64) Tetrachloroethene	10.24	164	321048	21.168	ug/l	98
65) Chlorobenzene	11.30	112	812449	21.983	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.41	131	281827	22.609	ug/l	99
67) Ethyl Benzene	11.42	91	1387164	23.323	ug/l	100
68) m/p-Xylenes	11.56	106	1011389	46.045	ug/l	95
69) o-Xylene	11.92	106	460268	21.148	ug/l	96
70) Styrene	11.94	104	792478	21.655	ug/l	95
71) Bromoform	12.11	173	207967	19.419	ug/l	98
73) Isopropylbenzene	12.27	105	1312828	21.707	ug/l	99
74) N-amyl acetate	12.13	43	488024	20.372	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	280161	20.420	ug/l	100
76) 1,2,3-Trichloropropane	12.59	75	286760	20.361	ug/l	100
77) Bromobenzene	12.53	156	369454	21.207	ug/l	96
78) n-propylbenzene	12.63	91	1580741	20.785	ug/l	99
79) 2-Chlorotoluene	12.70	91	904573	21.073	ug/l	99
80) 1,3,5-Trimethylbenzene	12.79	105	1065347	22.982	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.34	75	77993	18.346	ug/l	99
82) 4-Chlorotoluene	12.80	91	1076044	22.801	ug/l	100
83) tert-Butylbenzene	13.04	119	1177772	21.932	ug/l	92
84) 1,2,4-Trimethylbenzene	13.08	105	1097715	22.191	ug/l	100
85) sec-Butylbenzene	13.21	105	1385655	21.737	ug/l	100
86) p-Isopropyltoluene	13.33	119	1156838	22.437	ug/l	95
87) 1,3-Dichlorobenzene	13.30	146	657772	21.712	ug/l	99
88) 1,4-Dichlorobenzene	13.38	146	666901	21.703	ug/l	96
89) n-Butylbenzene	13.64	91	1198428	21.683	ug/l	96
90) Hexachloroethane	13.85	117	257202	20.141	ug/l	99
91) 1,2-Dichlorobenzene	13.66	146	589525	21.127	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.22	75	37436	17.899	ug/l	94

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Acq On : 25 Sep 2018 13:17
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Sample : VD0925SBSD01
Misc : 5.00g/5ml/MSVOA D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

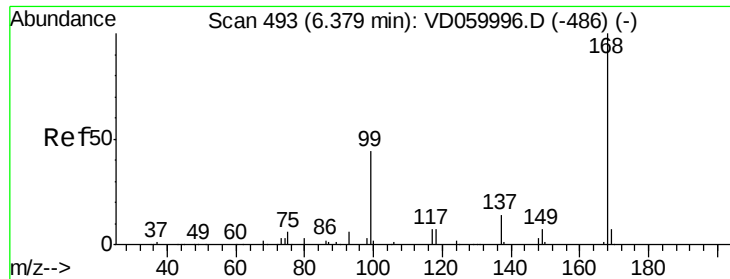
Manual Integrations
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Quant Time: Sep 25 14:55:48 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D091318S.M
Quant Title : SW846 8260
QLast Update : Thu Sep 13 16:17:40 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.78	180	472473	21.885	ug/l	97
94) Hexachlorobutadiene	14.88	225	316616	22.171	ug/l	99
95) Naphthalene	14.96	128	671394	20.137	ug/l	99
96) 1,2,3-Trichlorobenzene	15.11	180	388718	20.432	ug/l	98

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



#1

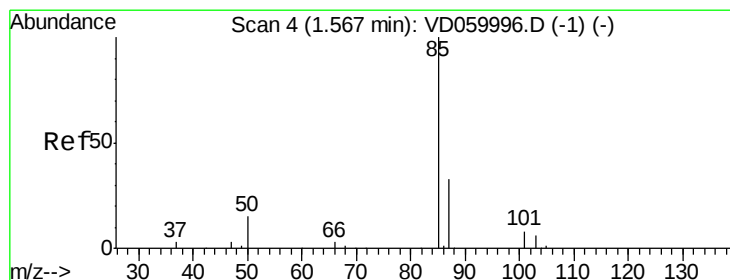
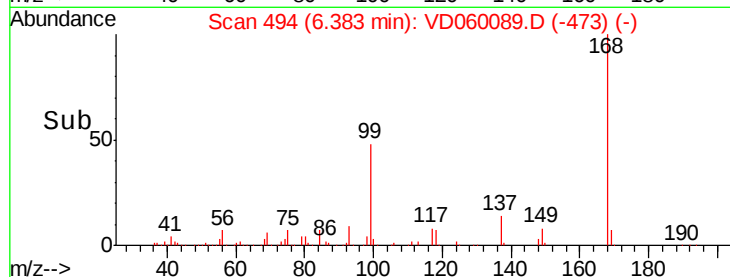
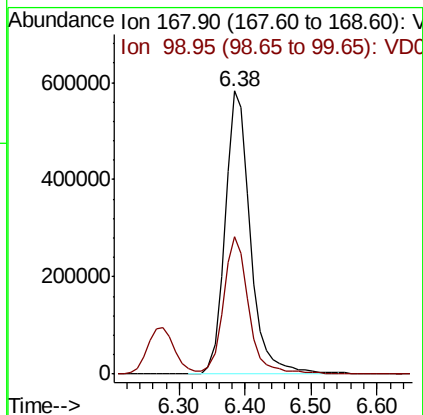
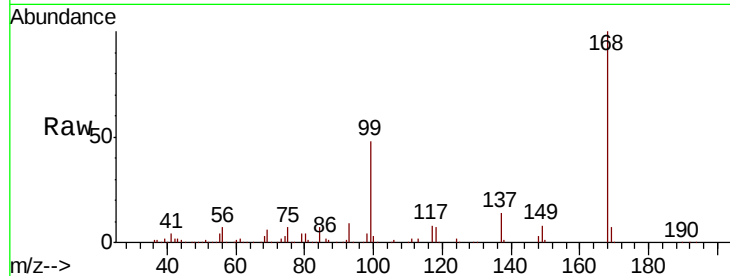
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 6.38 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion:168 Resp: 1558954
 Ion Ratio Lower Upper
 168 100
 99 48.4 38.5 57.7

Manual Integrations
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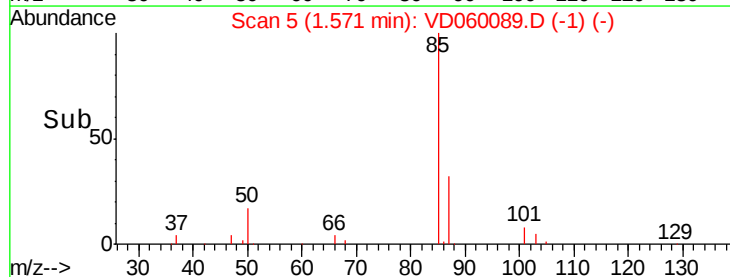
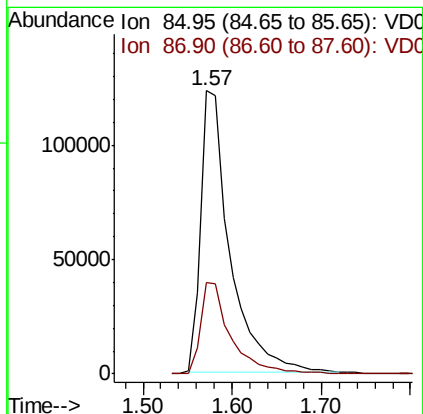
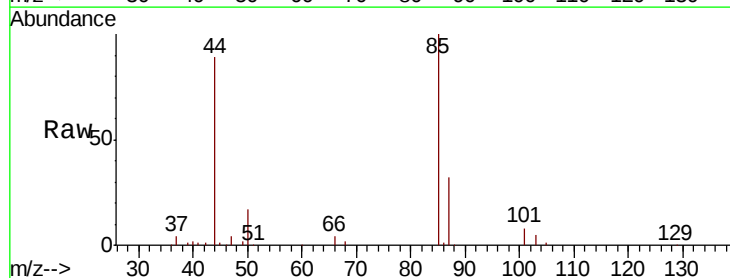
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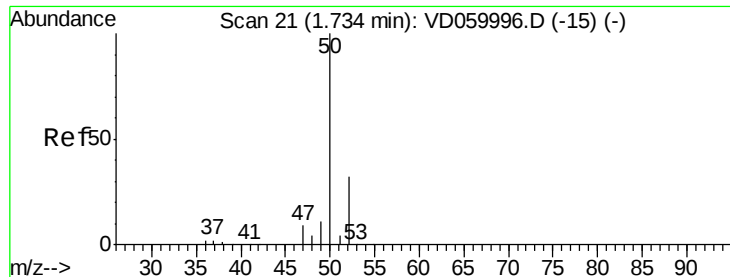


#2

Dichlorodifluoromethane
 Concen: 16.968 ug/l
 RT: 1.57 min Scan# 5
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion: 85 Resp: 279218
 Ion Ratio Lower Upper
 85 100
 87 32.4 16.4 49.1





#3

Chloromethane

Concen: 20.837 ug/l

RT: 1.75 min Scan# 23

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 50 Resp: 302886

Ion Ratio Lower Upper

50 100

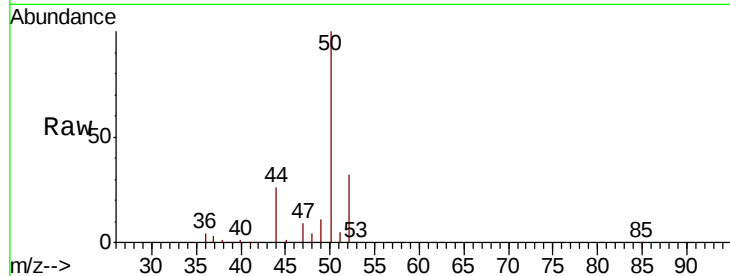
52 32.4 25.4 38.2

Manual Integrations

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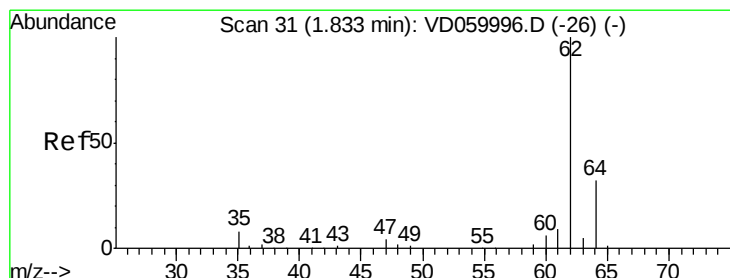
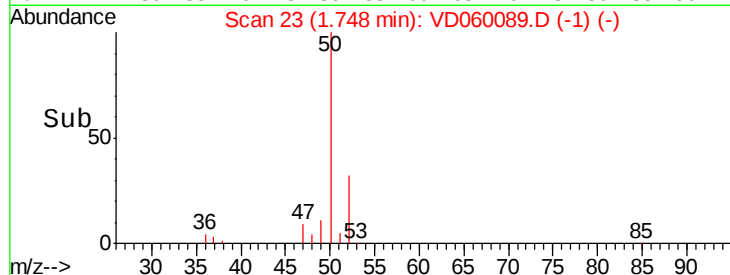
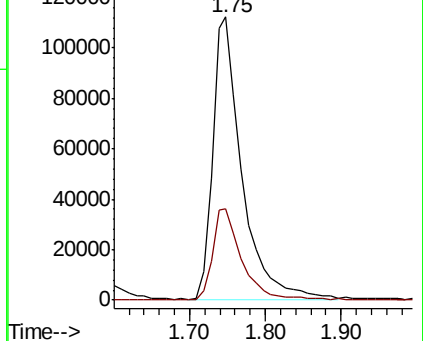
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Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 21.110 ug/l

RT: 1.84 min Scan# 32

Delta R.T. 0.00 min

Lab File: VD060089.D

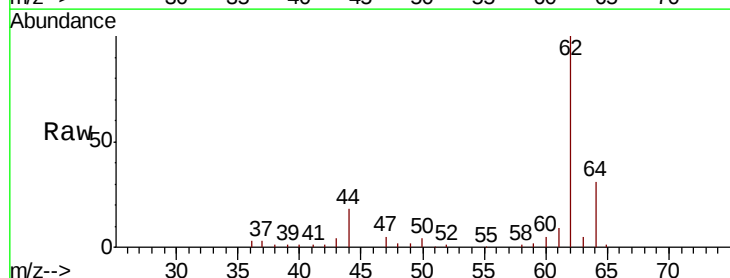
Acq: 25 Sep 2018 13:17

Tgt Ion: 62 Resp: 246674

Ion Ratio Lower Upper

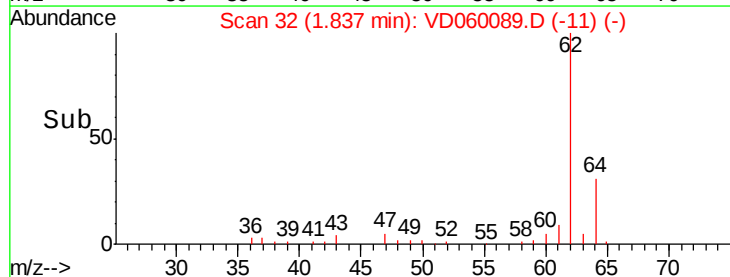
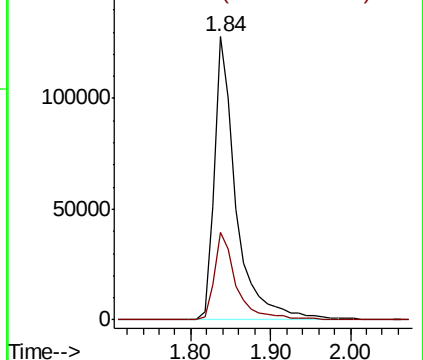
62 100

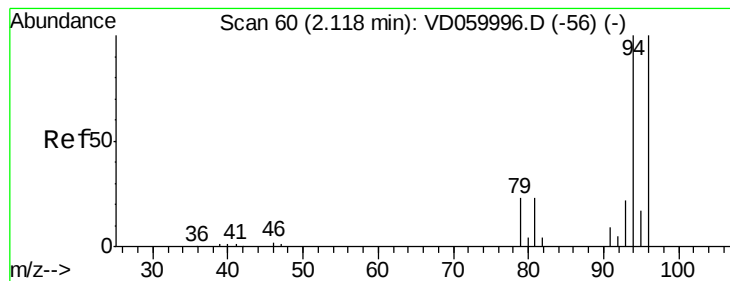
64 31.1 25.5 38.3



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 14.947 ug/l

RT: 2.12 min Scan# 61

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tot Ion: 94 Resp: 20675

Ion Ratio Lower Upper

94 100

96 87.3 79.8 119.8

Instrument :

MSVOA_D

ClientSampleId :

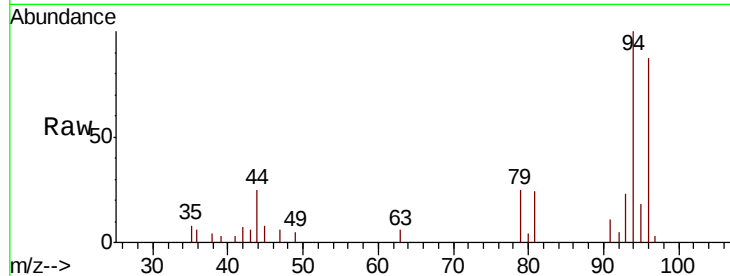
VD0925SBS01

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Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.12

15000

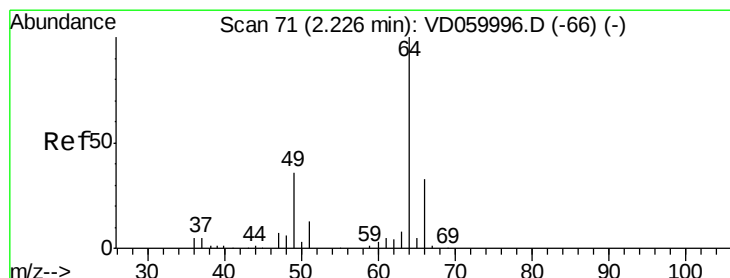
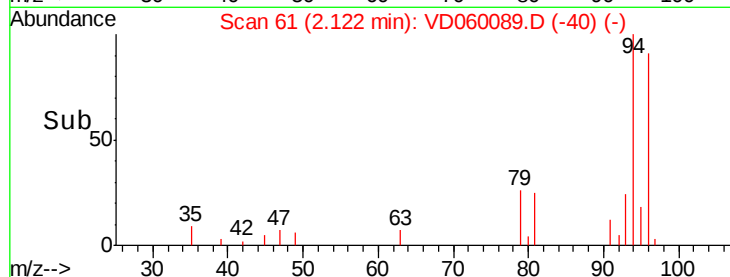
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5000

0

Time-->

2.05 2.10 2.15 2.20



#6

Chloroethane

Concen: 21.332 ug/l

RT: 2.23 min Scan# 72

Delta R.T. 0.00 min

Lab File: VD060089.D

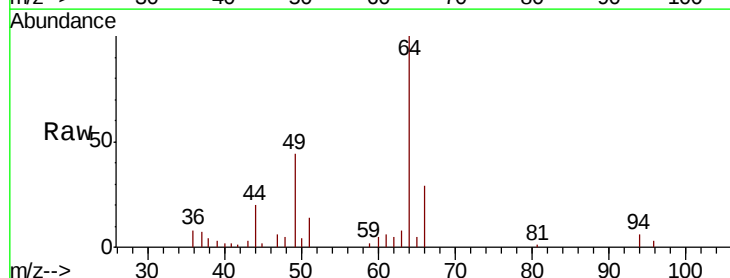
Acq: 25 Sep 2018 13:17

Tgt Ion: 64 Resp: 55728

Ion Ratio Lower Upper

64 100

66 29.1 26.5 39.7



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.23

25000

20000

15000

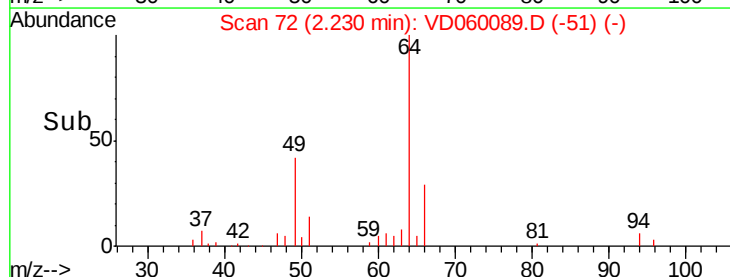
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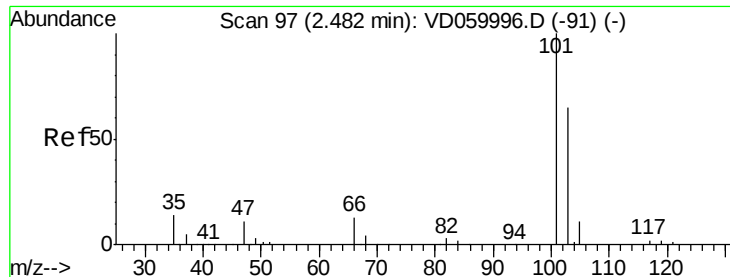
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Time-->

2.10 2.20 2.30 2.40





#7

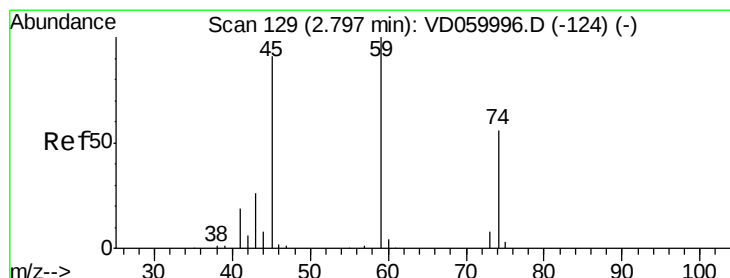
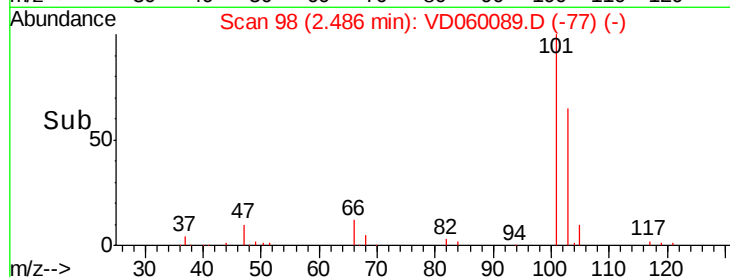
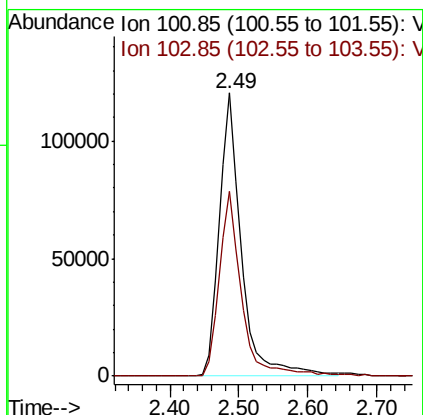
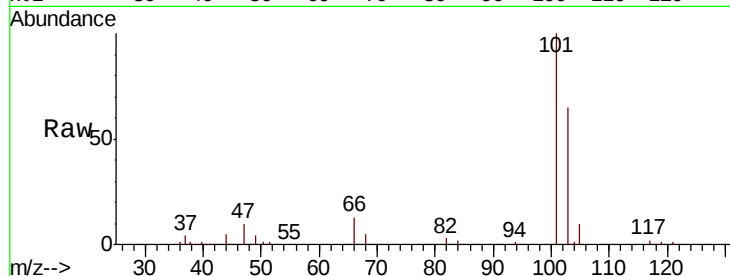
Trichlorofluoromethane
 Concen: 20.889 ug/l
 RT: 2.49 min Scan# 98
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.6	77.4

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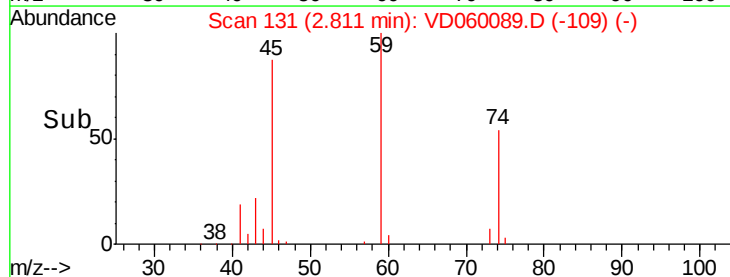
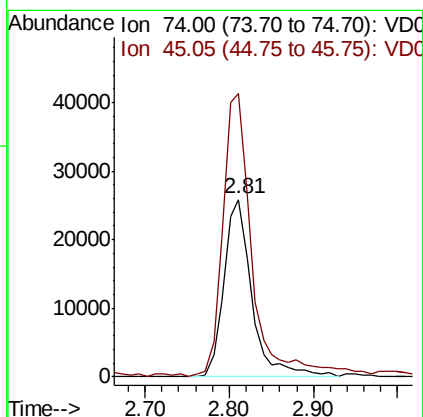
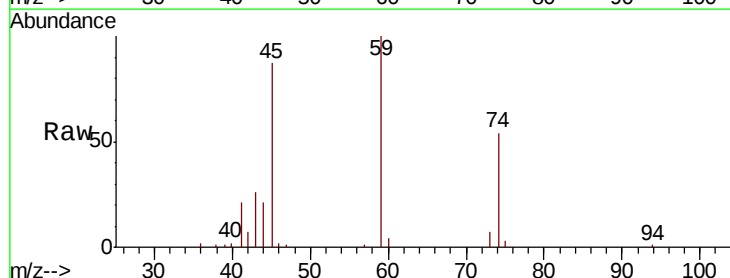
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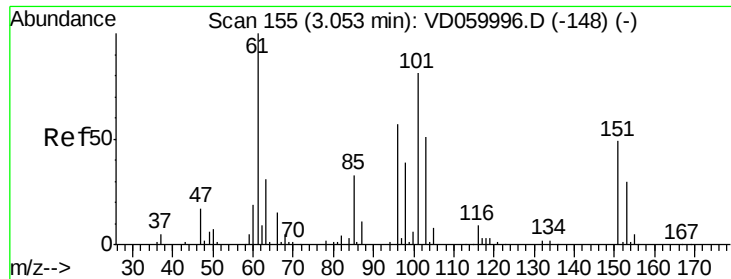


#8

Diethyl Ether
 Concen: 21.781 ug/l
 RT: 2.81 min Scan# 131
 Delta R.T. 0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	159.5	81.2	243.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.585 ug/l

RT: 3.07 min Scan# 157

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

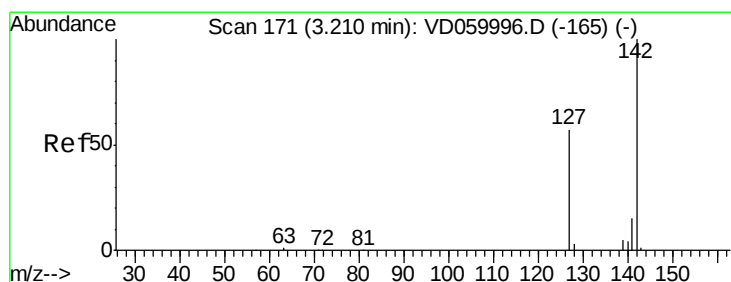
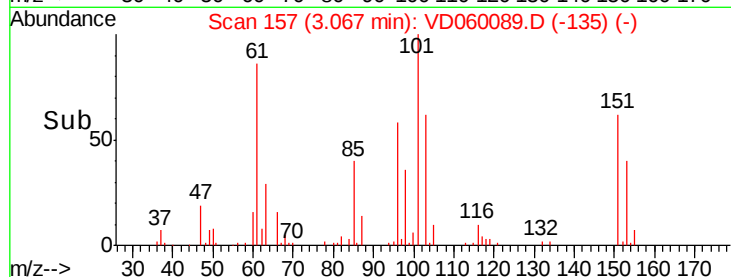
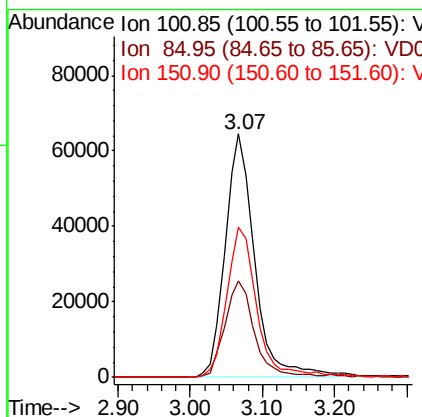
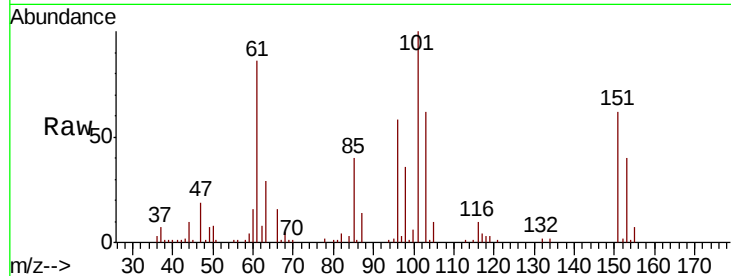
ClientSampleId :

VD0925SBS01

Tot Ion:	101	Resp:	183220
Ion Ratio	Lower	Upper	
101	100		
85	39.6	33.1	49.7
151	61.9	48.2	72.4

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#10

Methyl Iodide

Concen: 19.962 ug/l

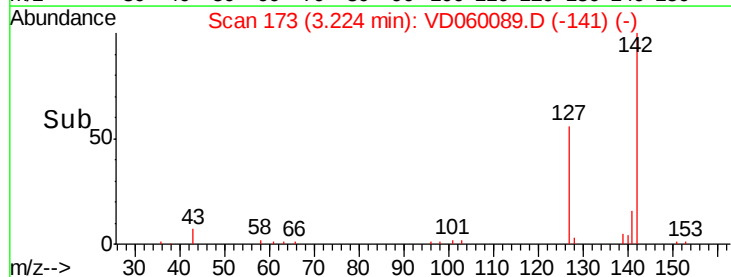
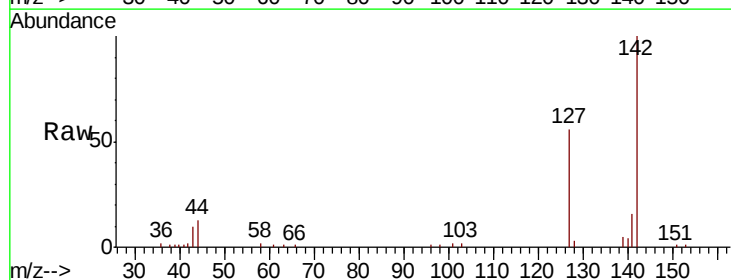
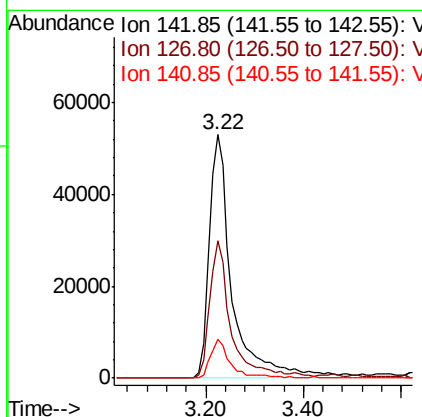
RT: 3.22 min Scan# 173

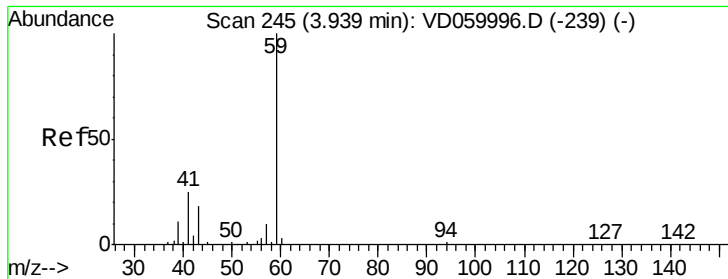
Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	142	Resp:	171515
Ion Ratio	Lower	Upper	
142	100		
127	56.3	45.8	68.8
141	15.7	12.2	18.4





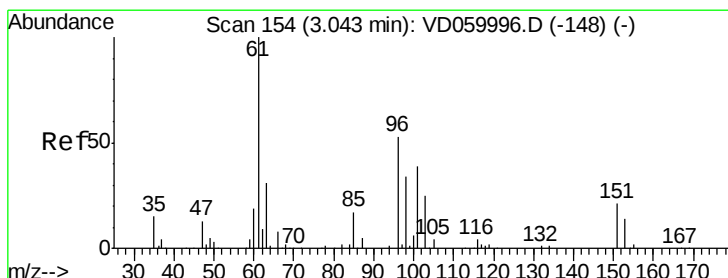
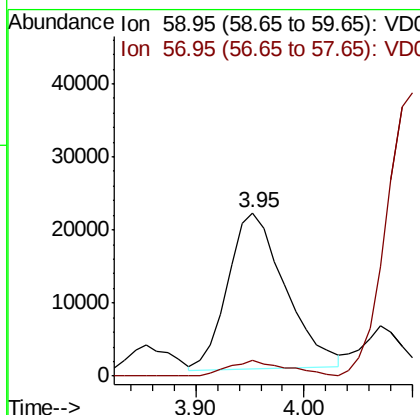
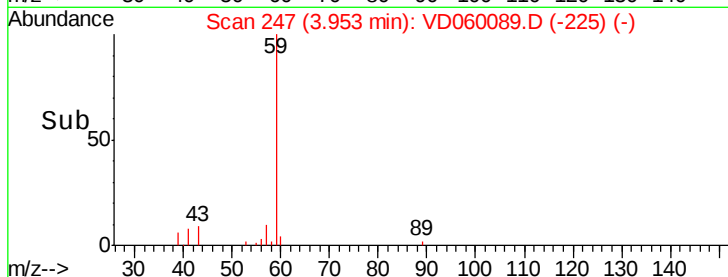
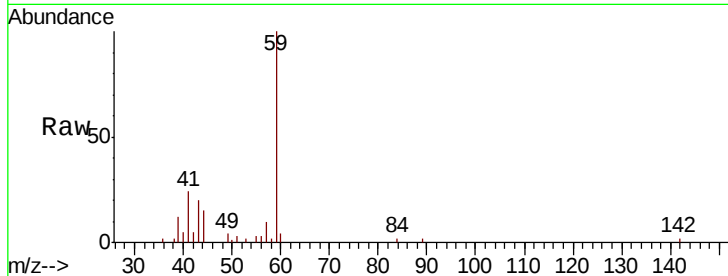
#11
Tert butyl alcohol
Concen: 79.807 ug/l
RT: 3.95 min Scan# 247
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion: 59 Resp: 78288
Ion Ratio Lower Upper
59 100
57 9.9 7.4 11.2

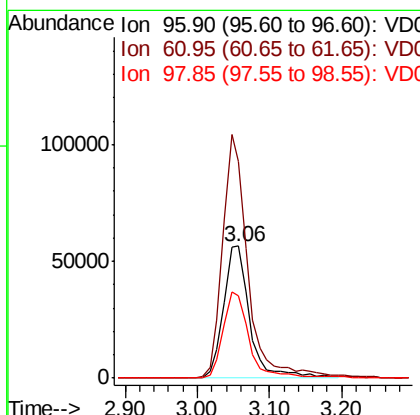
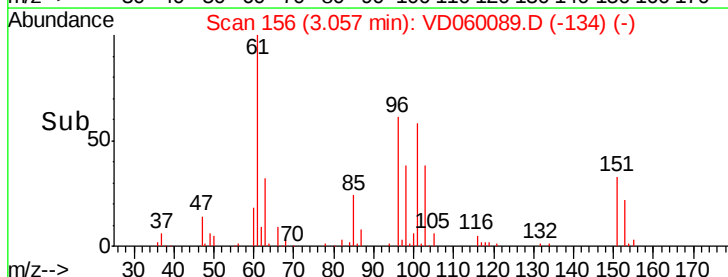
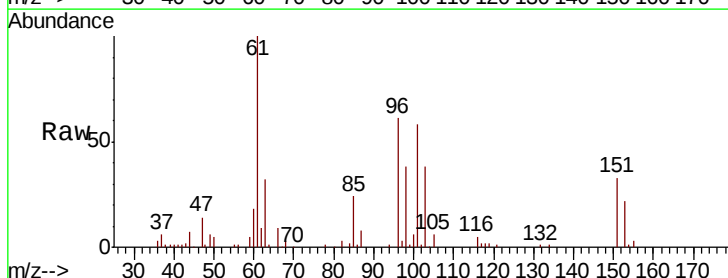
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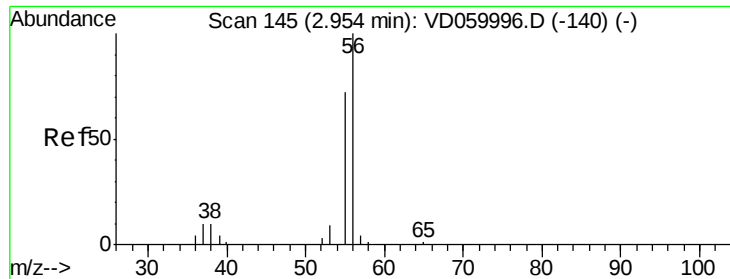
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#12
1,1-Dichloroethene
Concen: 22.359 ug/l
RT: 3.06 min Scan# 156
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 96 Resp: 143423
Ion Ratio Lower Upper
96 100
61 164.0 149.8 224.6
98 61.9 50.2 75.4





#13

Acrolein

Concen: 81.598 ug/l

RT: 2.97 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 56 Resp: 49569

Ion Ratio Lower Upper

56 100

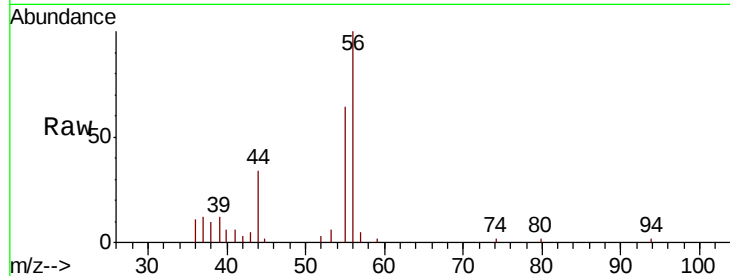
55 64.0 58.3 87.5

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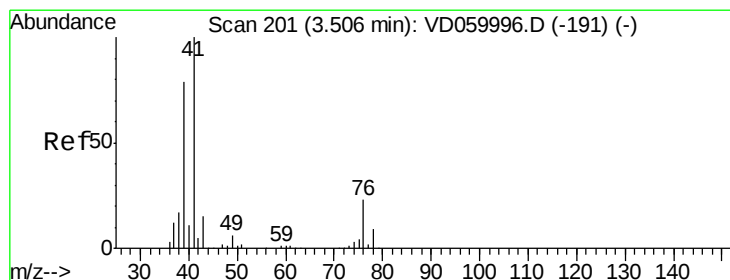
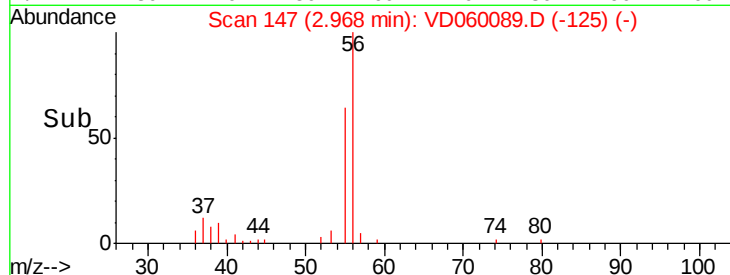
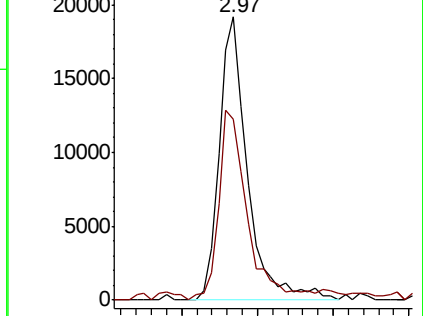
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Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 21.999 ug/l

RT: 3.51 min Scan# 202

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

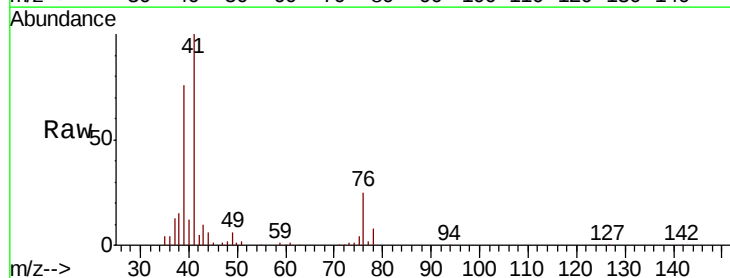
Tgt Ion: 41 Resp: 297588

Ion Ratio Lower Upper

41 100

39 75.6 63.6 95.4

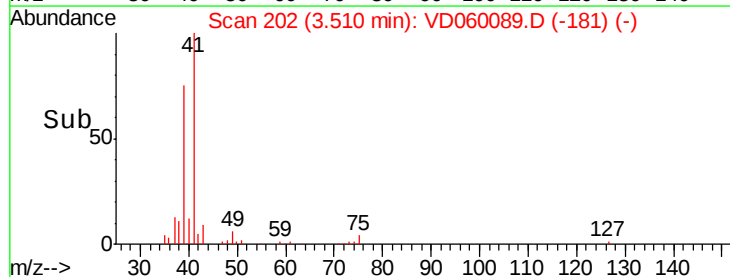
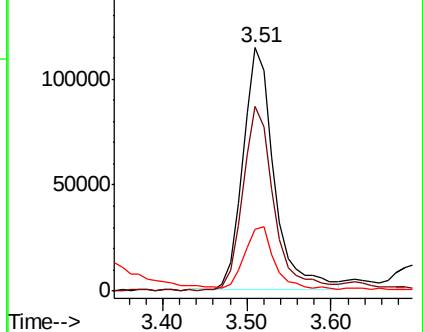
76 25.3 21.1 31.7

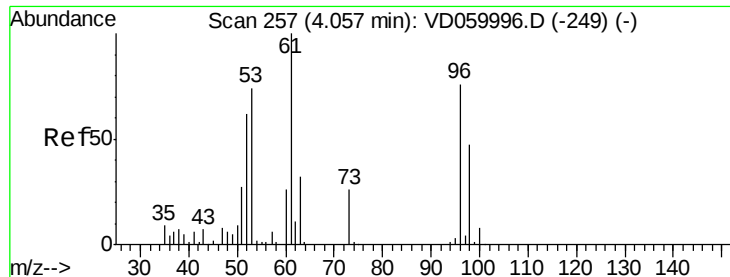


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 99.768 ug/l

RT: 4.06 min Scan# 258

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

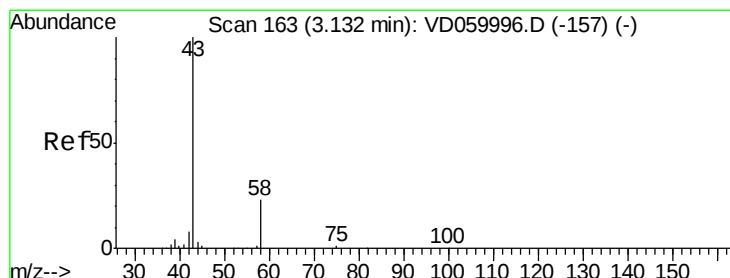
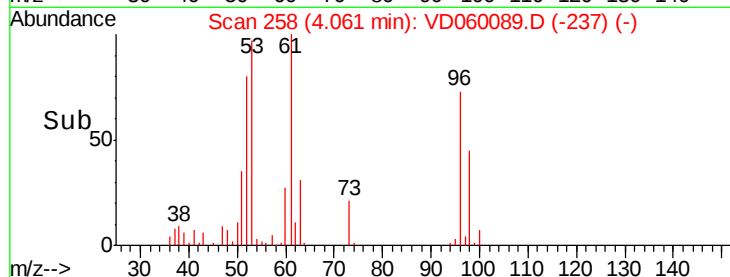
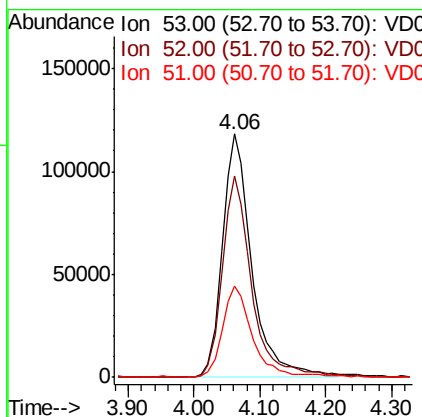
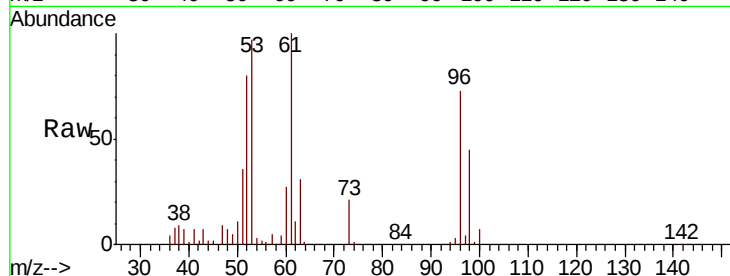
ClientSampleId :

VD0925SBSD01

Tot Ion:	53	Resp:	369430
Ion	Ratio	Lower	Upper
53	100		
52	83.0	66.7	100.1
51	37.3	29.0	43.6

Manual Integrations
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#16

Acetone

Concen: 123.195 ug/l

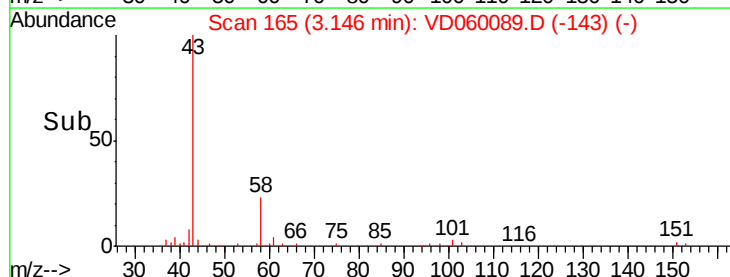
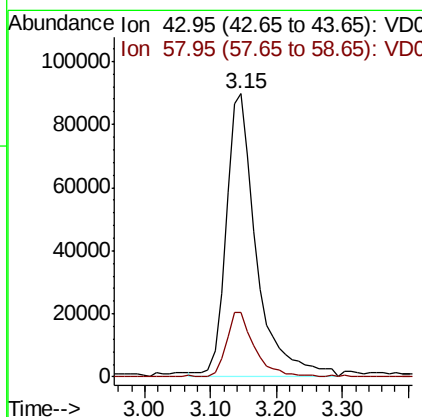
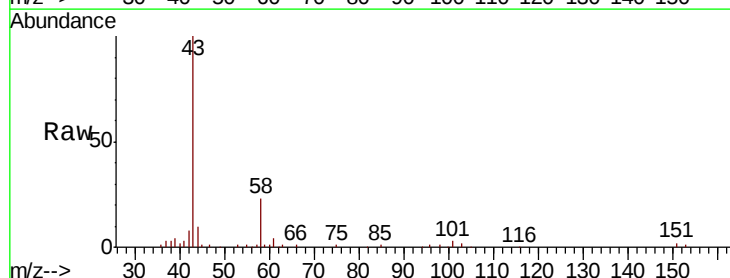
RT: 3.15 min Scan# 165

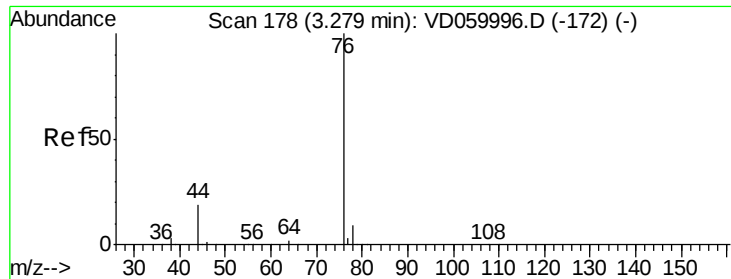
Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	43	Resp:	289164
Ion	Ratio	Lower	Upper
43	100		
58	22.8	18.1	27.1





#17

Carbon Disulfide

Concen: 20.407 ug/l

RT: 3.29 min Scan# 180

Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

Tot Ion: 76 Resp: 451008

Ion Ratio Lower Upper

76 100

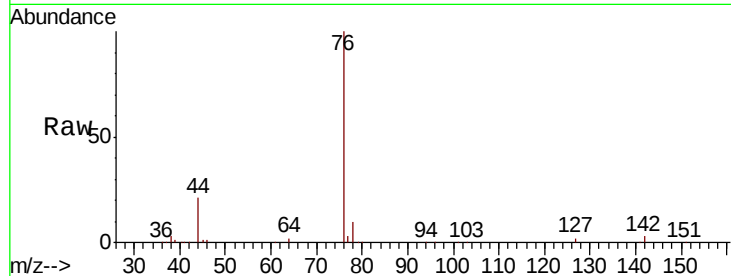
78 9.5 7.0 10.4

Manual Integrations

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Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC

200000

150000

100000

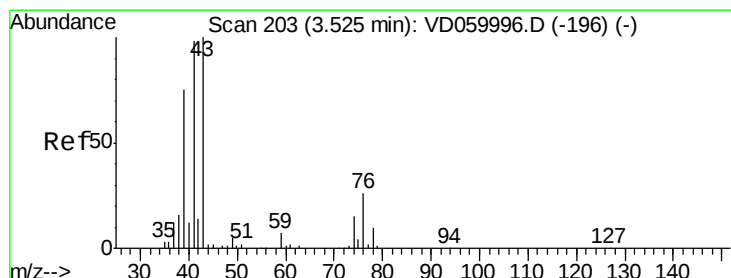
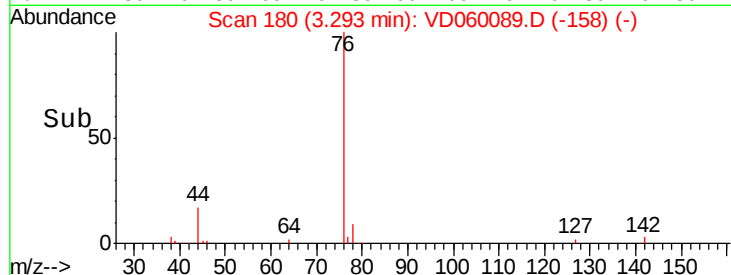
50000

0

3.29

3.20 3.30 3.40 3.50

Time-->



#18

Methyl Acetate

Concen: 22.797 ug/l

RT: 3.53 min Scan# 204

Delta R.T. 0.00 min

Lab File: VD060089.D

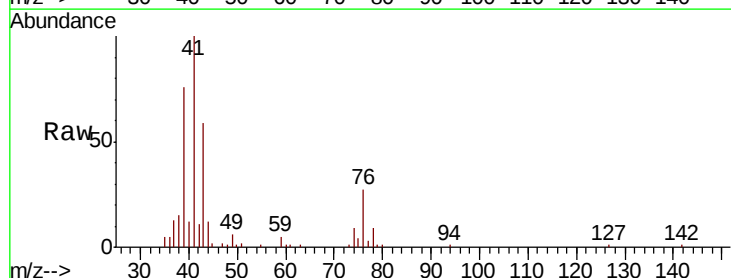
Acq: 25 Sep 2018 13:17

Tgt Ion: 43 Resp: 108822

Ion Ratio Lower Upper

43 100

74 15.5 11.8 17.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

40000

30000

20000

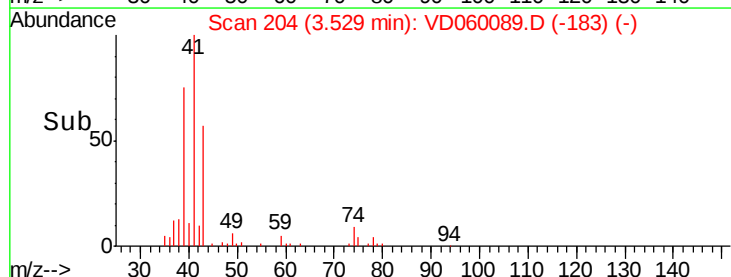
10000

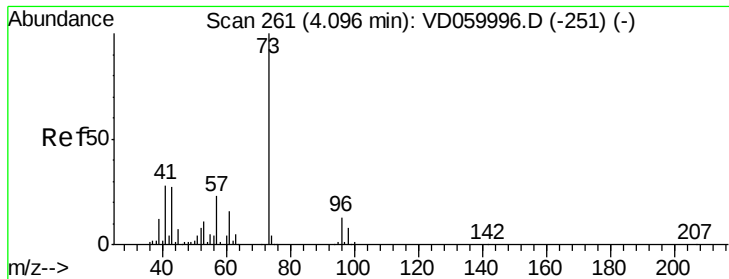
0

3.53

3.40 3.50 3.60

Time-->





#19

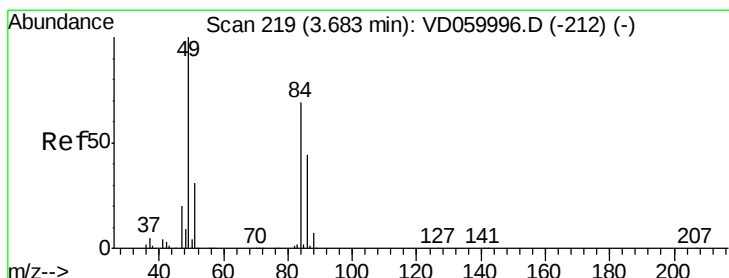
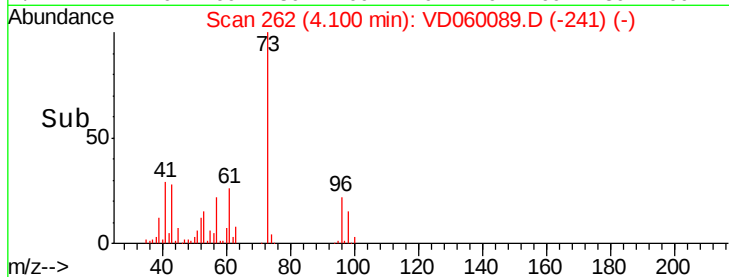
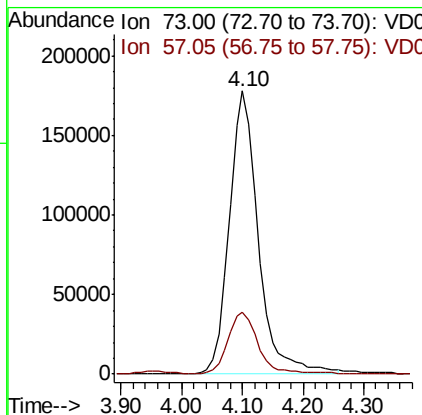
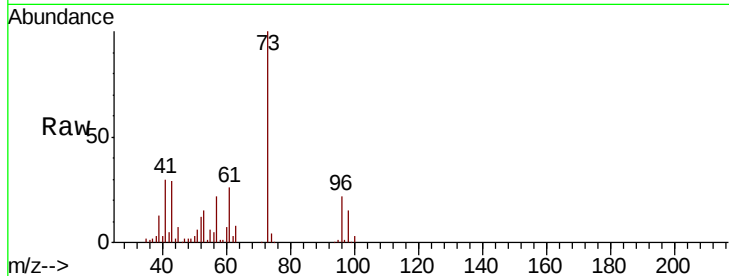
Methyl tert-butyl Ether
 Concen: 19.989 ug/l
 RT: 4.10 min Scan# 262
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.8	18.4	27.6

Manual Integrations
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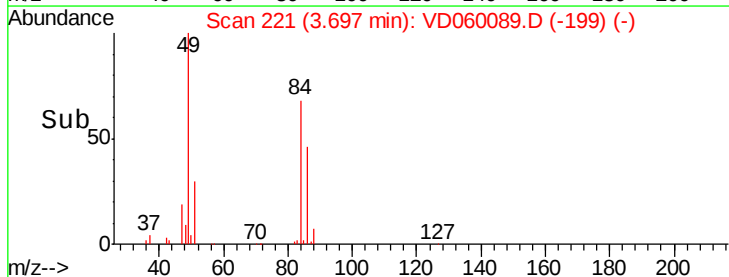
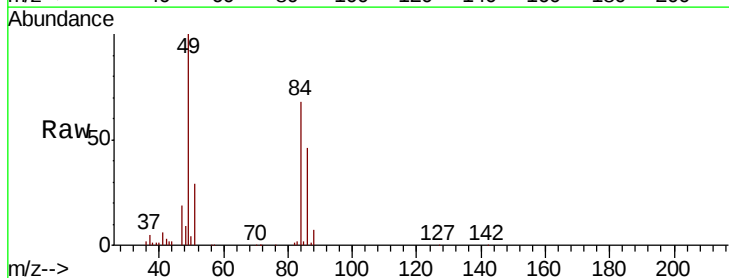
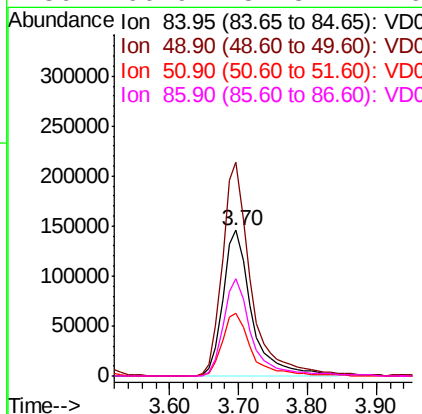
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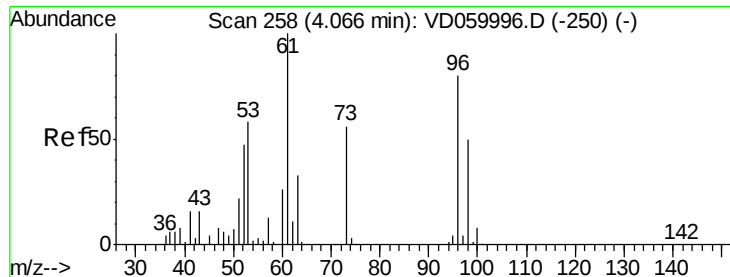


#20

Methylene Chloride
 Concen: 21.047 ug/l
 RT: 3.70 min Scan# 221
 Delta R.T. 0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	146.8	116.6	175.0
51	43.2	35.9	53.9
86	66.9	51.8	77.6





#21

trans-1,2-Dichloroethene

Concen: 19.862 ug/l

RT: 4.07 min Scan# 259

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

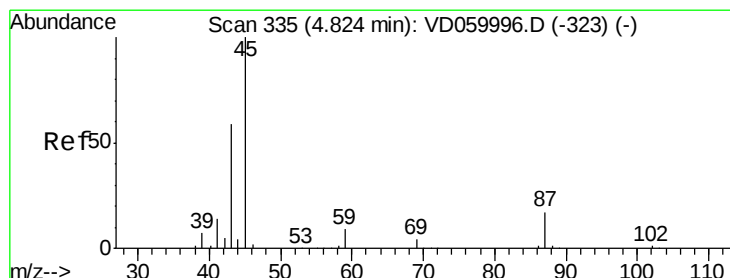
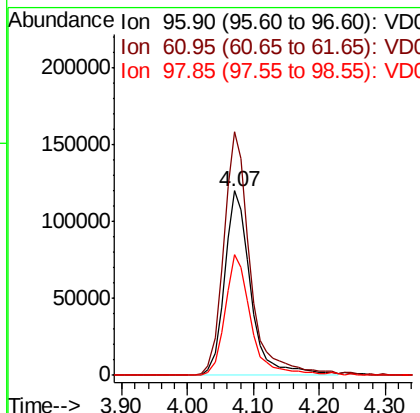
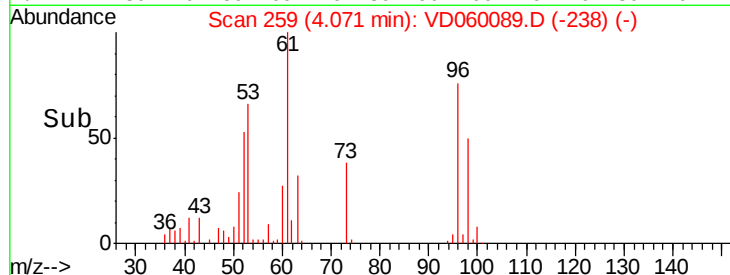
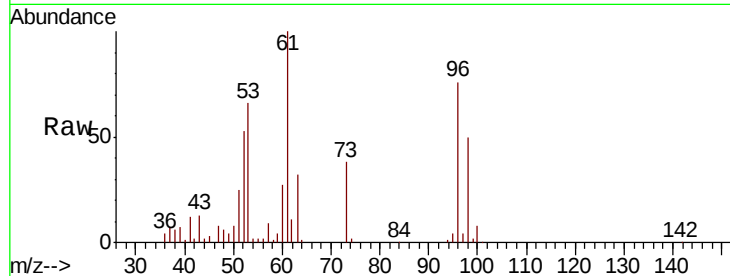
ClientSampleId :

VD0925SBS01

Tot Ion:	96	Resp:	334329
Ion	Ratio	Lower	Upper
96	100		
61	131.9	100.1	150.1
98	65.5	49.5	74.3

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#22

Diisopropyl ether

Concen: 20.074 ug/l

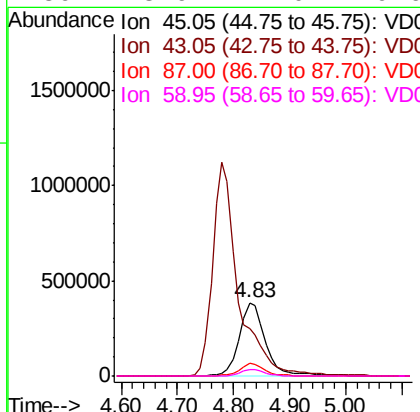
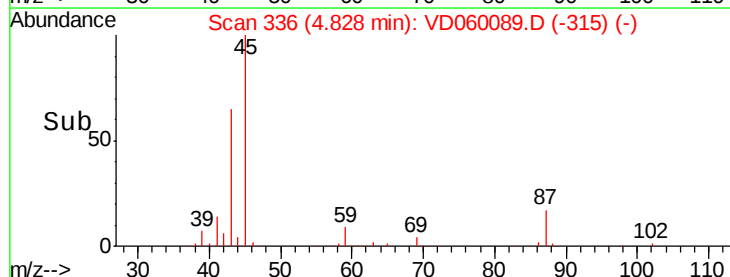
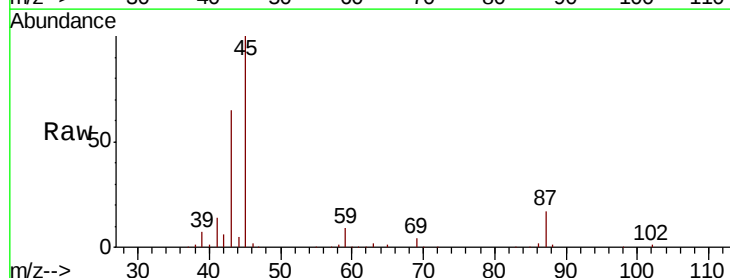
RT: 4.83 min Scan# 336

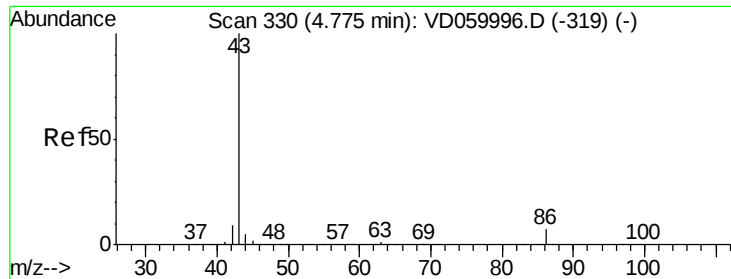
Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	45	Resp:	1238664
Ion	Ratio	Lower	Upper
45	100		
43	64.5	47.1	70.7
87	16.8	14.2	21.2
59	8.9	7.0	10.6





#23

Vinyl Acetate

Concen: 102.508 ug/l

RT: 4.78 min Scan# 331

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBSD01

Tot Ion: 43 Resp: 3583473

Ion Ratio Lower Upper

43 100

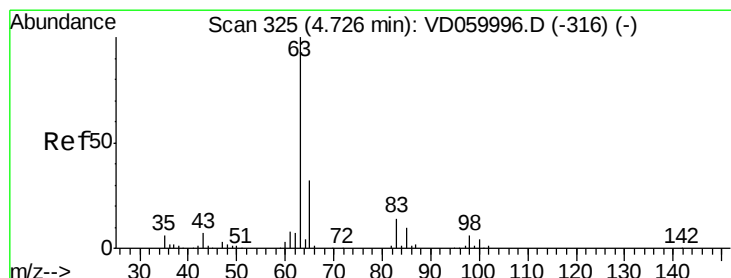
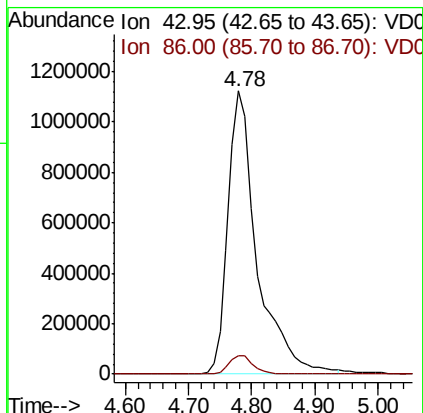
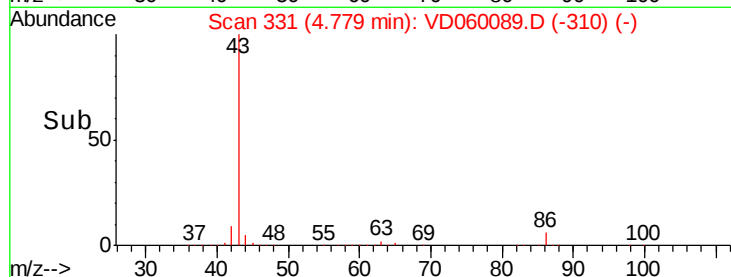
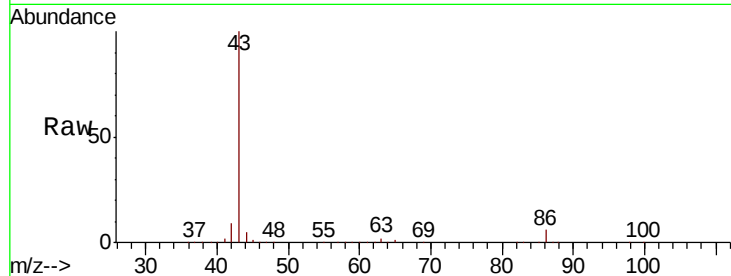
86 6.5 5.5 8.3

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#24

1,1-Dichloroethane

Concen: 20.420 ug/l

RT: 4.73 min Scan# 326

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

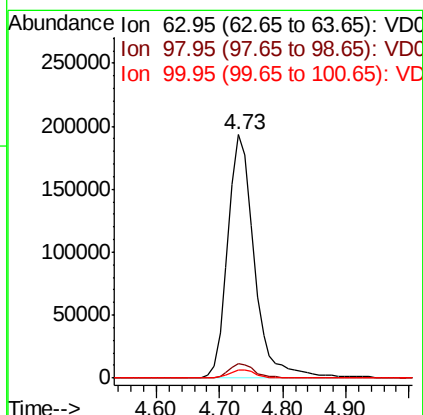
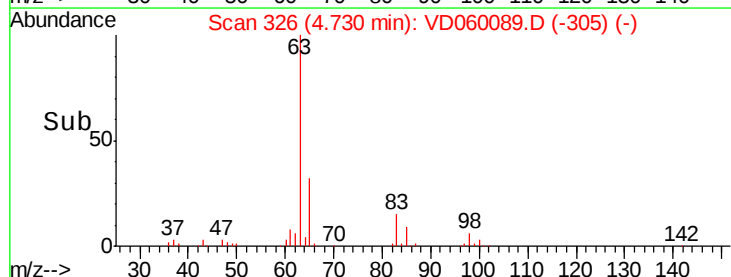
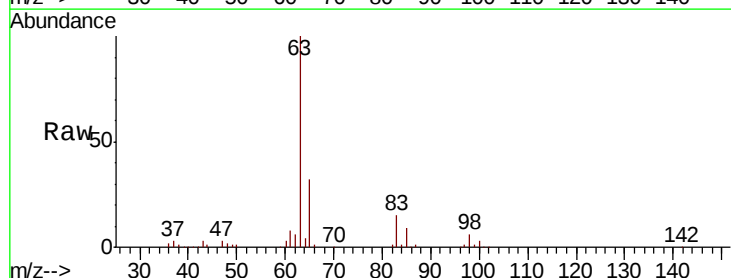
Tgt Ion: 63 Resp: 565442

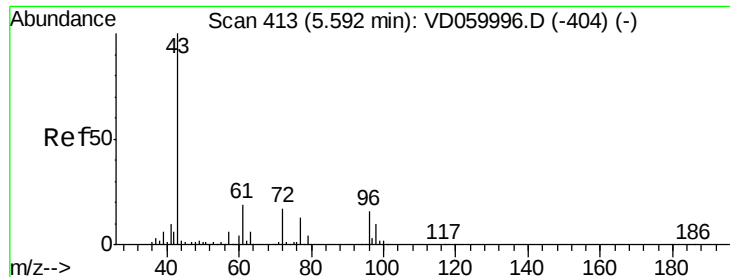
Ion Ratio Lower Upper

63 100

98 5.9 2.9 8.6

100 3.4 1.8 5.4





#25

2-Butanone

Concen: 111.561 ug/l

RT: 5.60 min Scan# 414

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 43 Resp: 706613

Ion Ratio Lower Upper

43 100

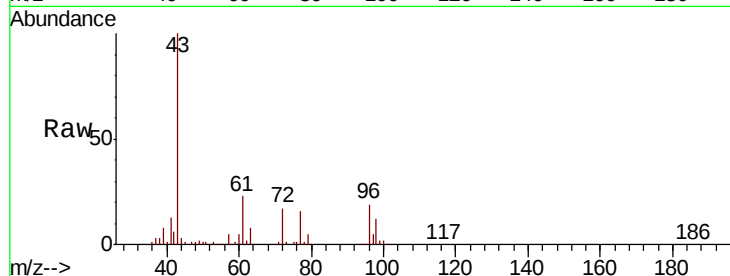
72 17.3 13.6 20.4

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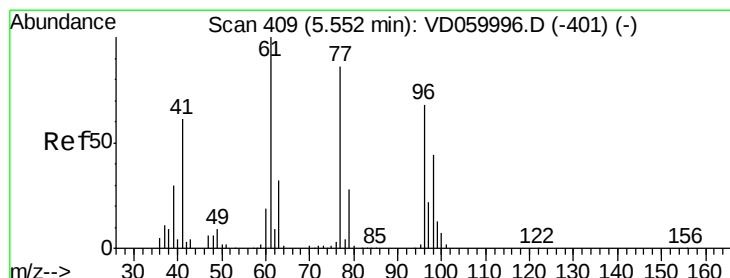
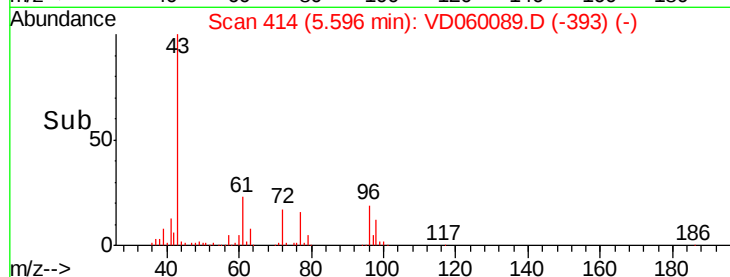
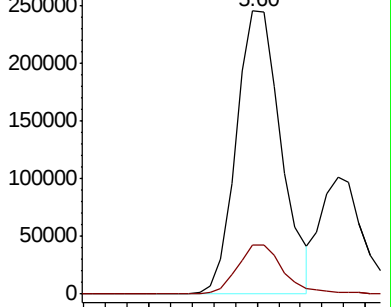
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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 20.598 ug/l

RT: 5.57 min Scan# 411

Delta R.T. 0.01 min

Lab File: VD060089.D

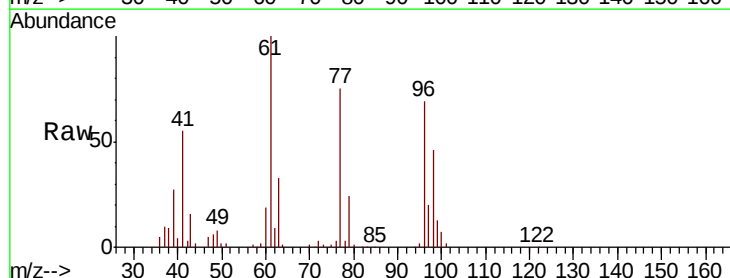
Acq: 25 Sep 2018 13:17

Tgt Ion: 77 Resp: 443432

Ion Ratio Lower Upper

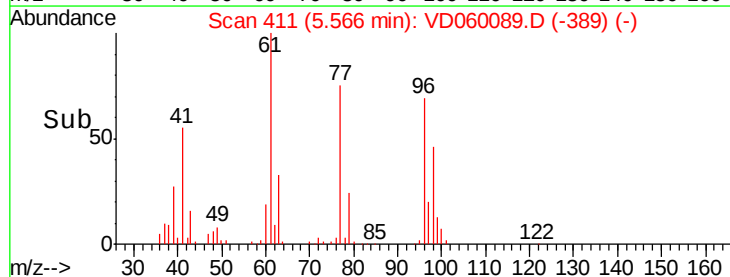
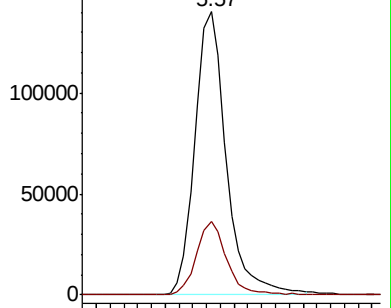
77 100

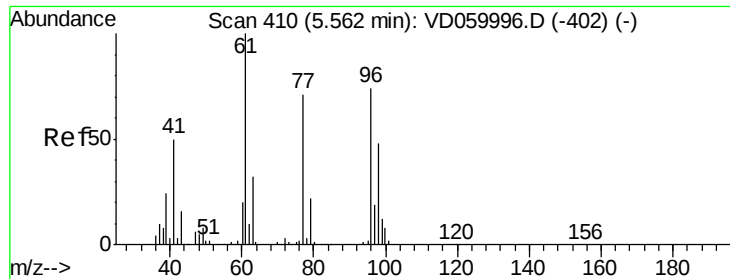
97 26.1 12.7 38.1



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC





#27

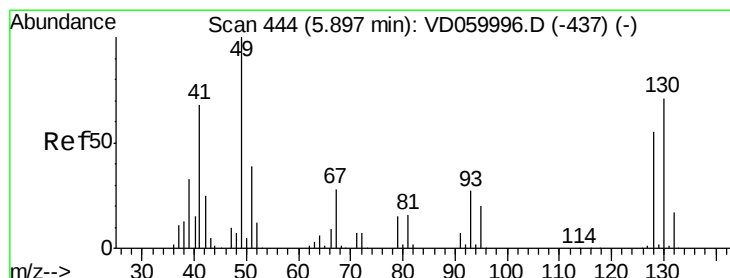
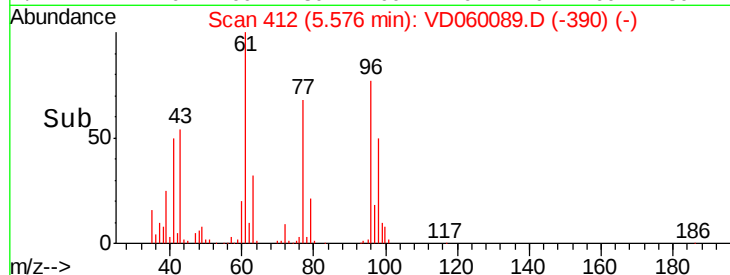
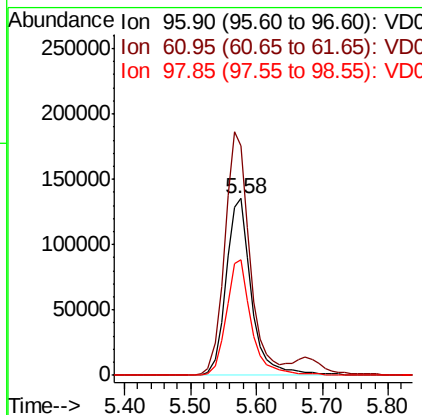
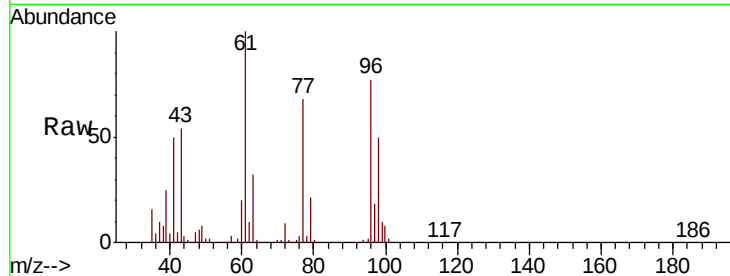
cis-1,2-Dichloroethene
Concen: 20.666 ug/l
RT: 5.58 min Scan# 412
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100			
61	130.0	0.0	269.6	
98	65.5	0.0	128.4	

Manual Integrations
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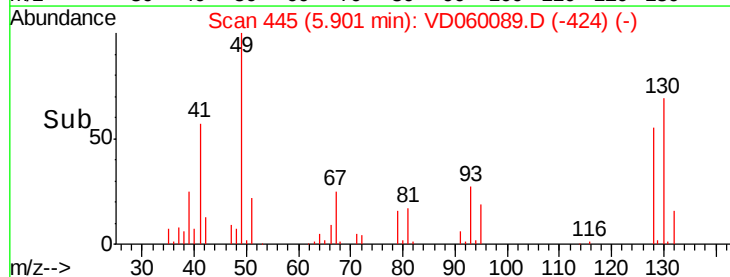
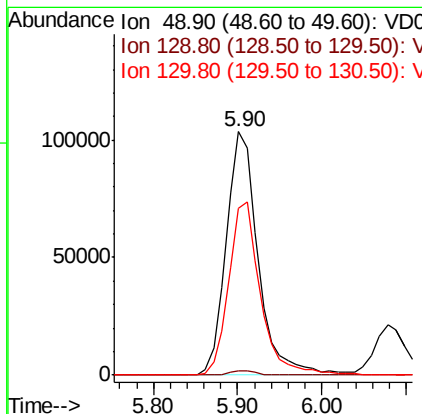
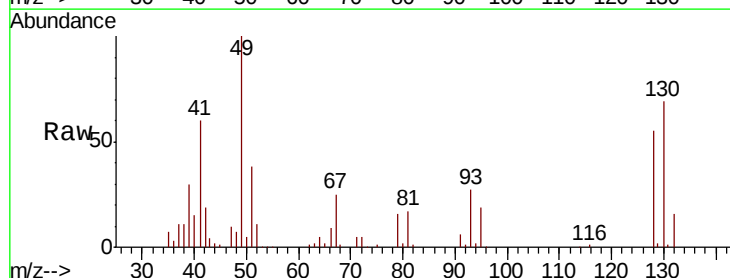
apatel
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#28

Bromochloromethane
Concen: 20.424 ug/l
RT: 5.90 min Scan# 445
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100			
129	1.8	0.0	3.6	
130	68.6	57.1	85.7	





#29

Tetrahydrofuran

Concen: 95.998 ug/l

RT: 5.93 min Scan# 448

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

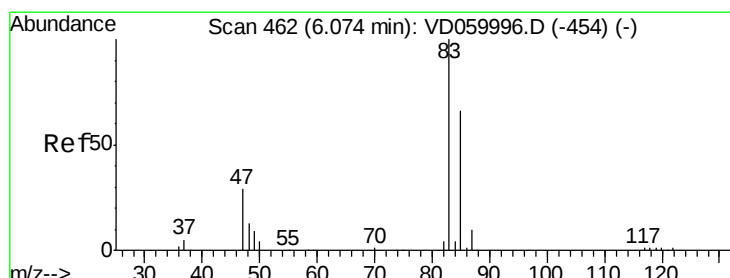
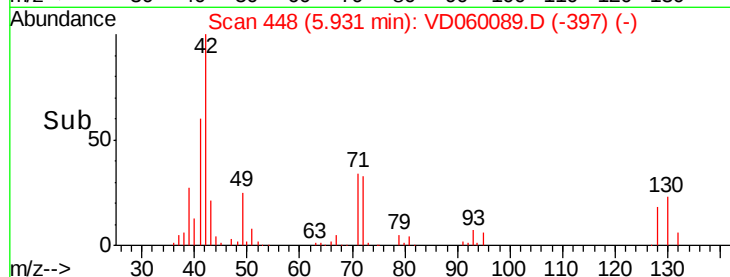
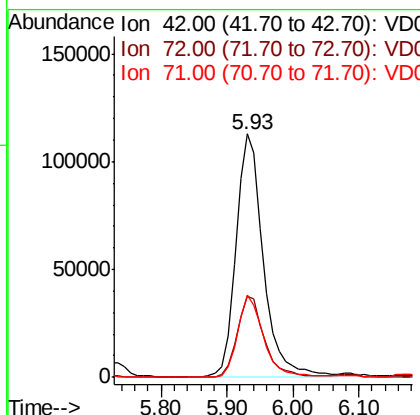
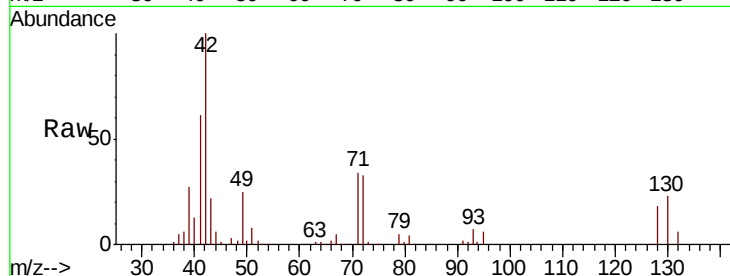
ClientSampleId :

VD0925SBS01

Tot Ion:	42	Resp:	326083
Ion Ratio		Lower	Upper
42	100		
72	33.5	26.9	40.3
71	32.5	26.2	39.4

Manual Integrations
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#30

Chloroform

Concen: 20.864 ug/l

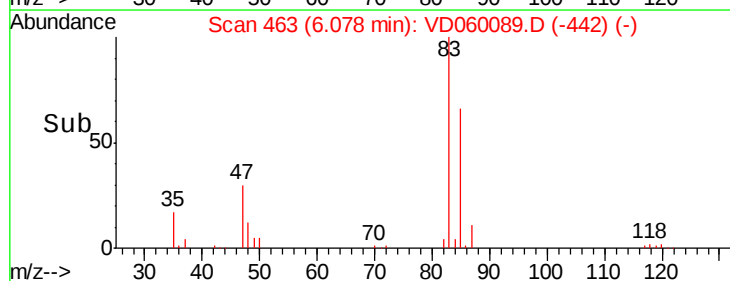
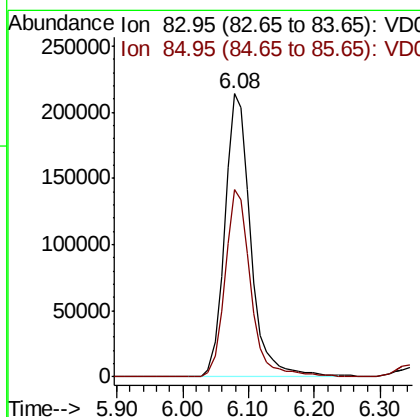
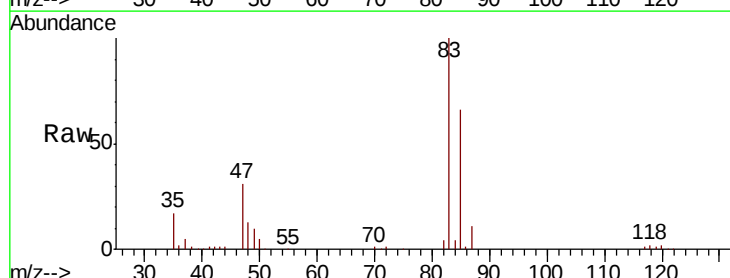
RT: 6.08 min Scan# 463

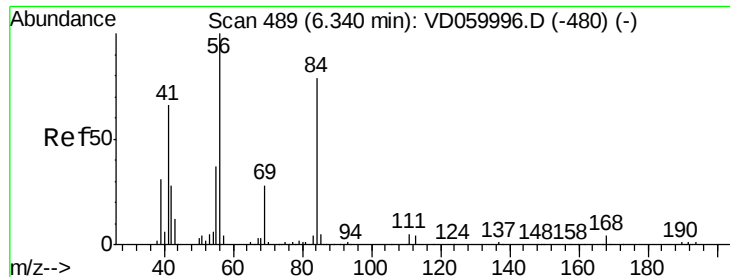
Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	83	Resp:	585909
Ion Ratio		Lower	Upper
83	100		
85	66.3	52.6	78.8





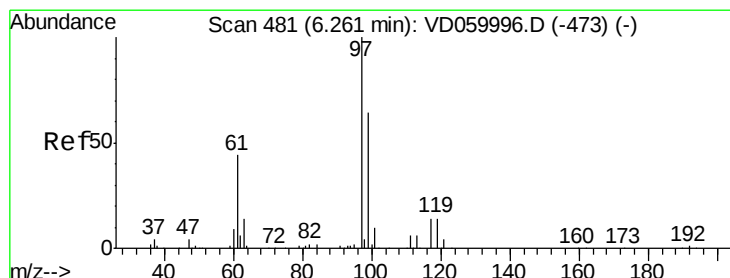
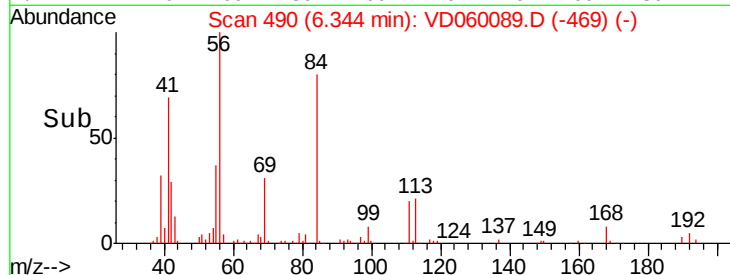
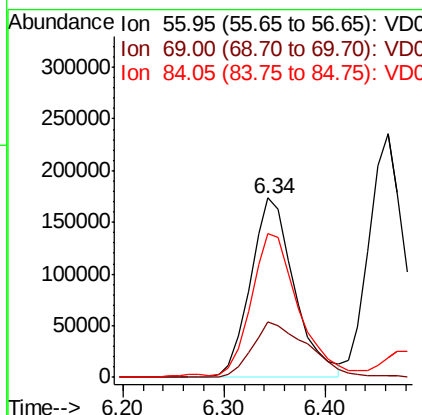
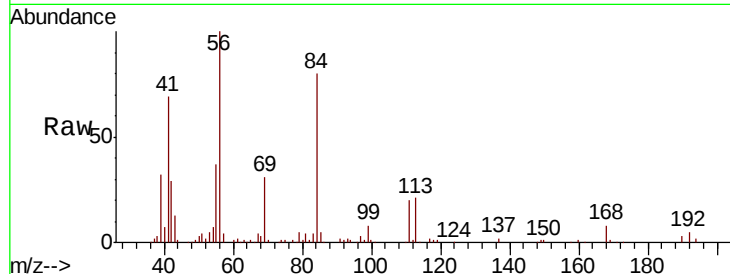
#31
Cvclohexane
Concen: 19.403 ug/l
RT: 6.34 min Scan# 490
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
56	100		
69	30.6	22.7	34.1
84	80.3	64.0	96.0

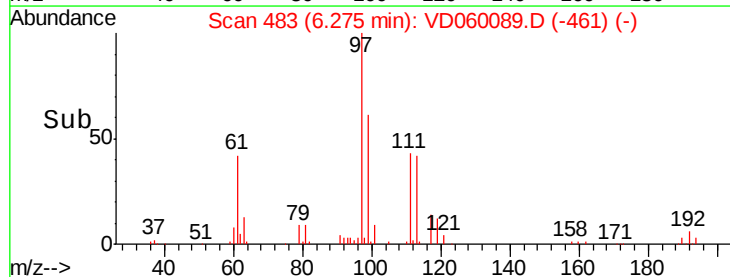
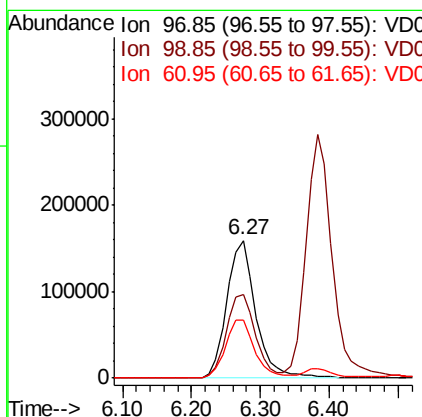
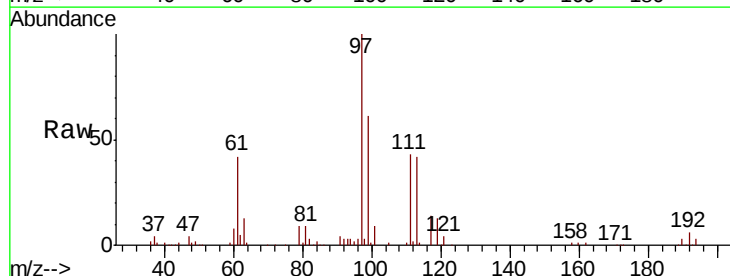
Manual Integrations
APPROVED

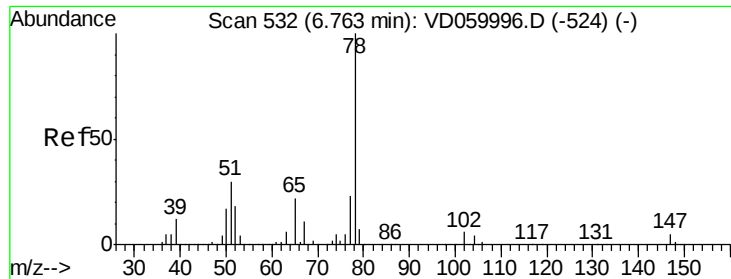
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#32
1,1,1-Trichloroethane
Concen: 19.865 ug/l
RT: 6.27 min Scan# 483
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
97	100		
99	60.7	51.3	76.9
61	42.4	35.5	53.3





#33

1,2-Dichloroethane-d4

Concen: 19.865 ug/l

RT: 6.77 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 65 Resp: 620539

Ion Ratio Lower Upper

65 100

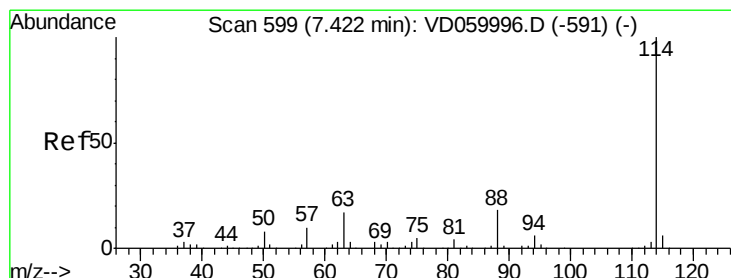
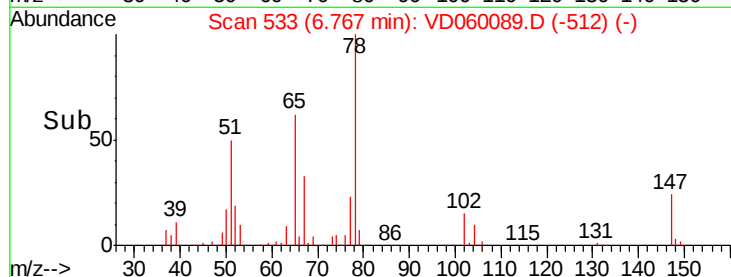
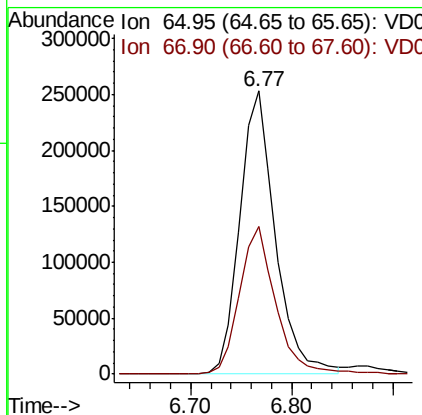
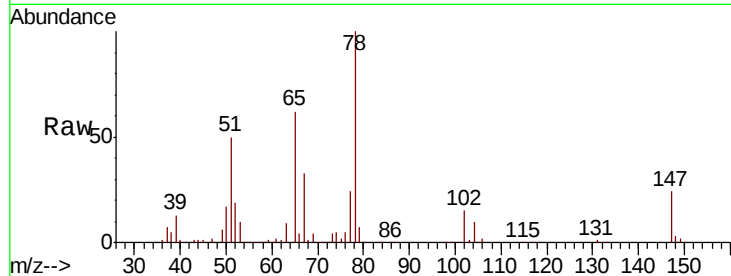
67 52.4 0.0 104.8

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 7.43 min Scan# 600

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

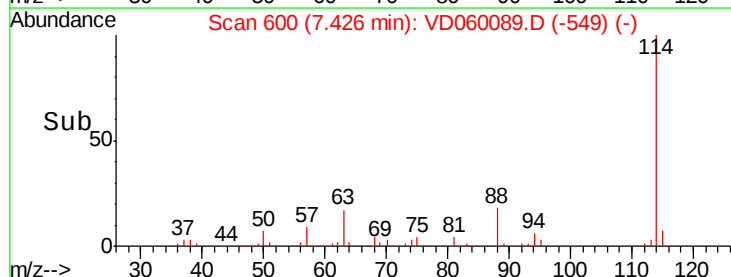
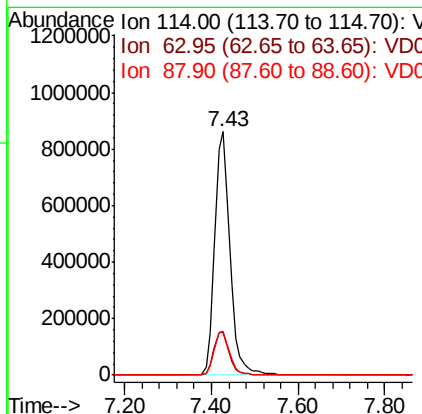
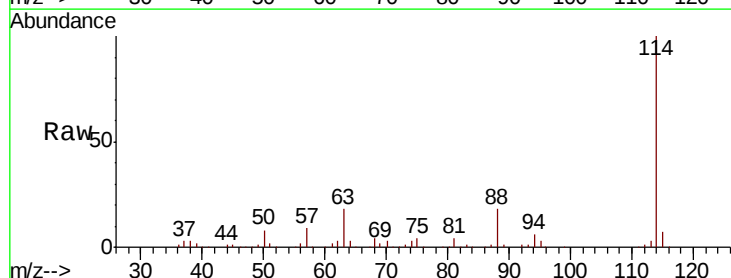
Tgt Ion: 114 Resp: 2119217

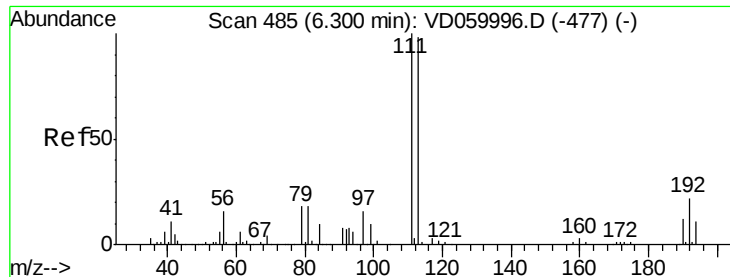
Ion Ratio Lower Upper

114 100

63 17.6 0.0 34.4

88 17.9 0.0 35.8





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 6.30 min Scan# 486

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

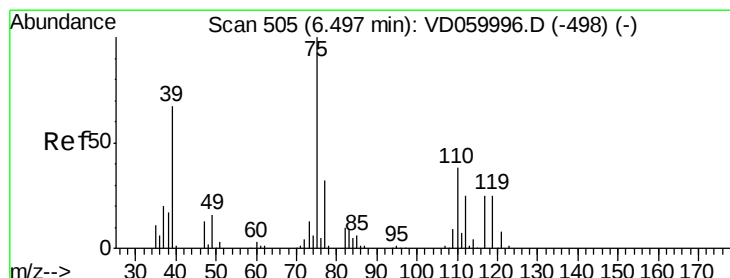
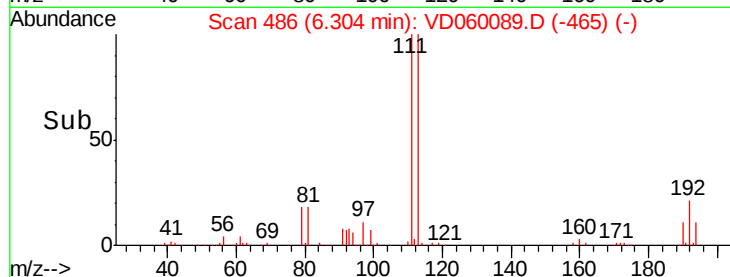
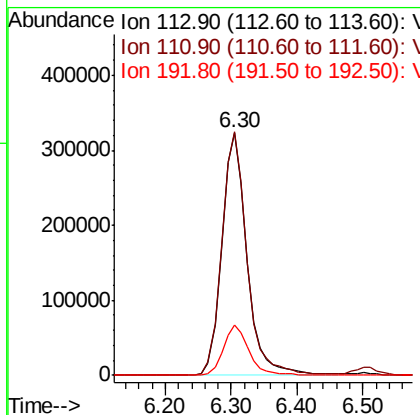
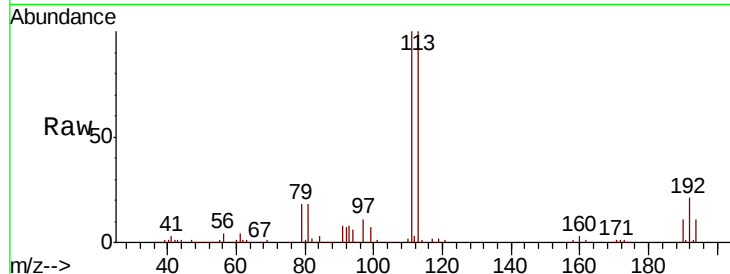
ClientSampleId :

VD0925SBS01

Tot Ion:	113	Resp:	863642
Ion Ratio	Lower	Upper	
113	100		
111	100.4	81.3	121.9
192	20.8	18.1	27.1

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.566 ug/l

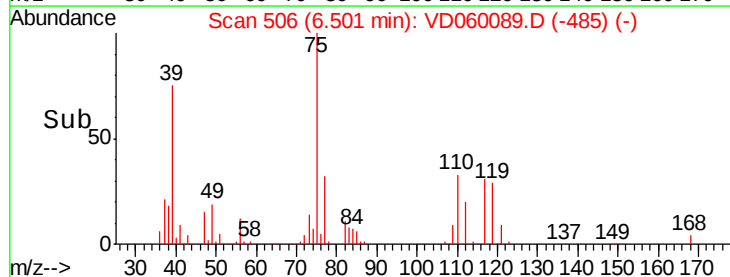
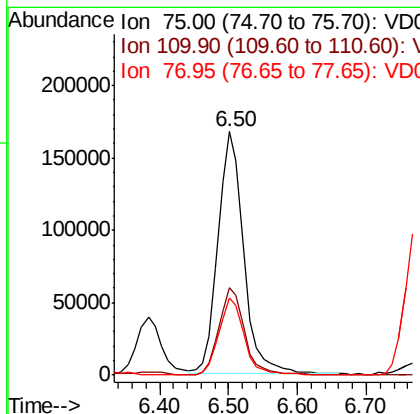
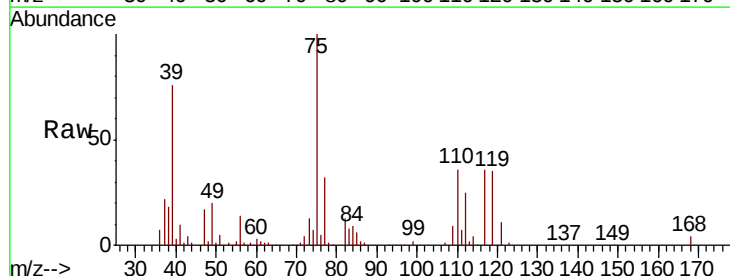
RT: 6.50 min Scan# 506

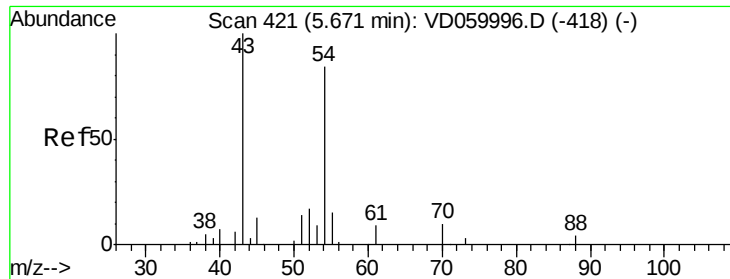
Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	75	Resp:	432947
Ion Ratio	Lower	Upper	
75	100		
110	35.8	18.9	56.9
77	31.8	25.3	37.9





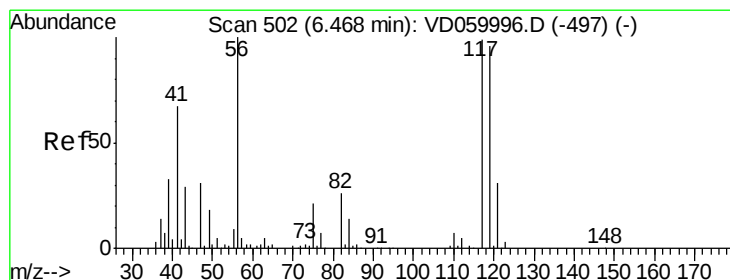
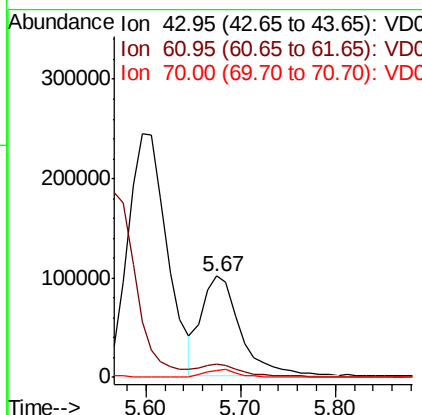
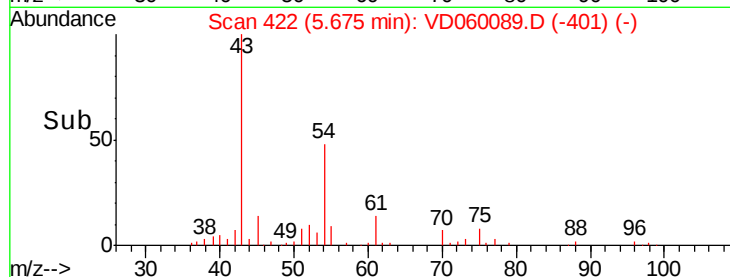
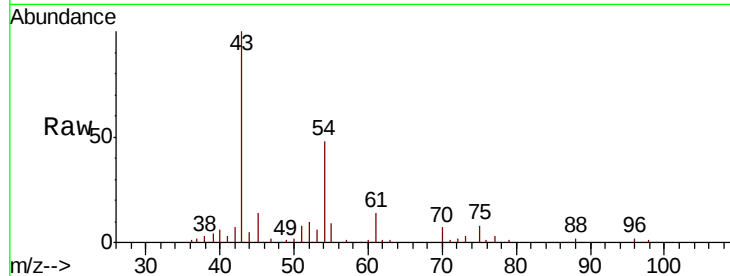
#37
Ethyl Acetate
Concen: 19.832 ug/l
RT: 5.67 min Scan# 422
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.7	10.2	15.2
70	6.7	6.1	9.1

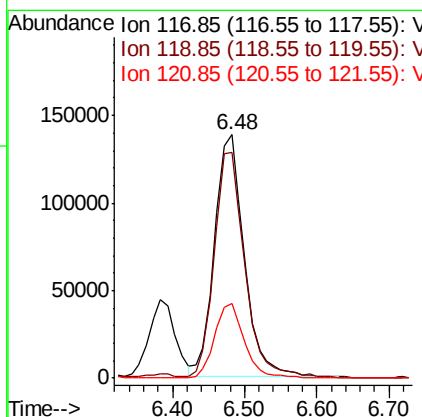
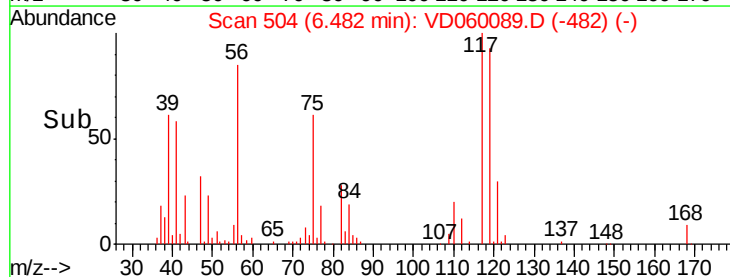
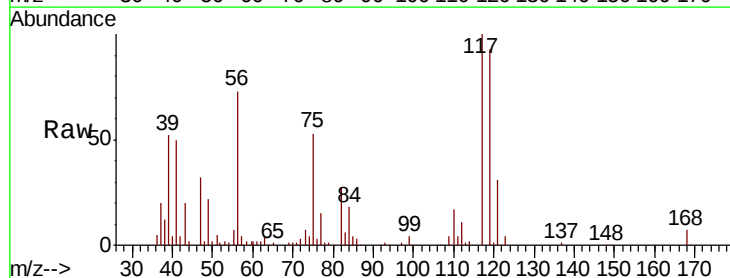
Manual Integrations
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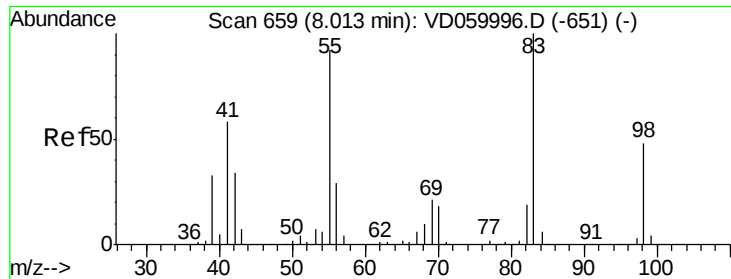
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#38
Carbon Tetrachloride
Concen: 20.003 ug/l
RT: 6.48 min Scan# 504
Delta R.T. 0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.7	115.1
121	30.6	24.9	37.3





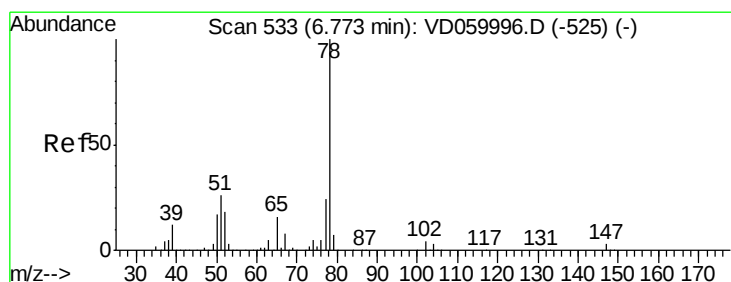
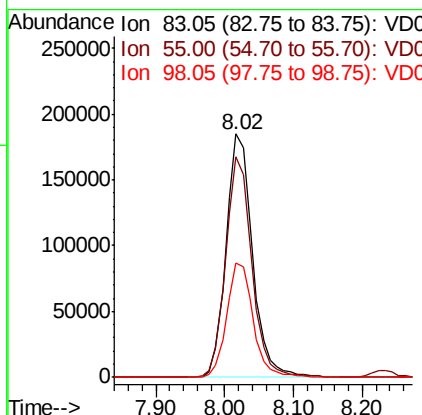
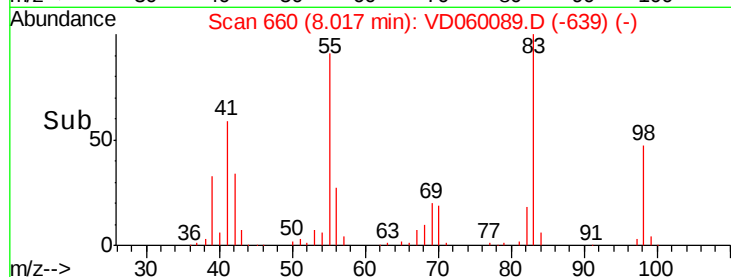
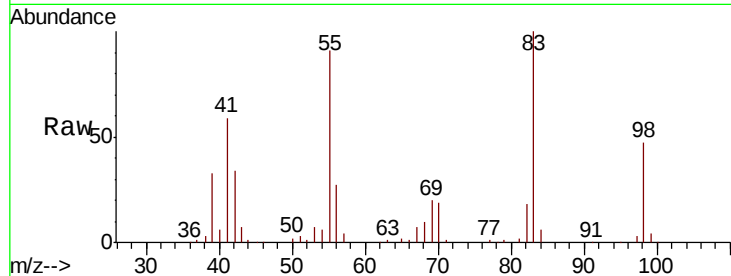
#39
Methvlcvclohexane
Concen: 20.653 ug/l
RT: 8.02 min Scan# 660
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
83	100		
55	90.7	73.8	110.6
98	47.1	38.1	57.1

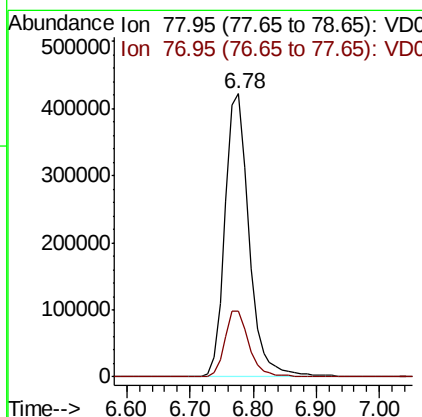
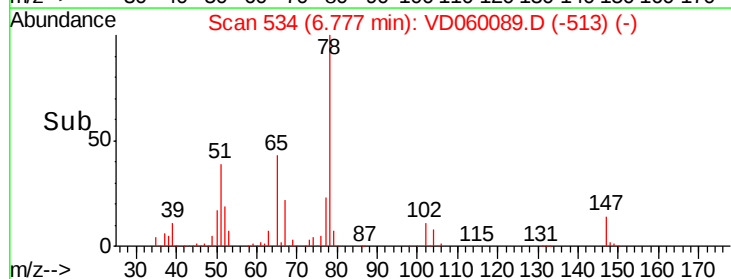
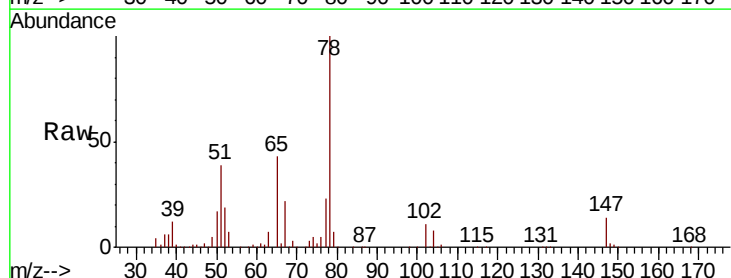
Manual Integrations
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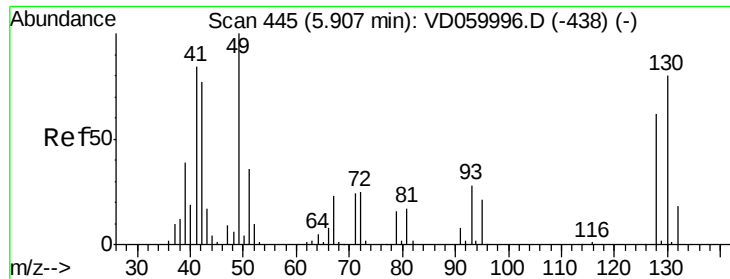
apatel
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#40
Benzene
Concen: 20.871 ug/l
RT: 6.78 min Scan# 534
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.4	19.0	28.4





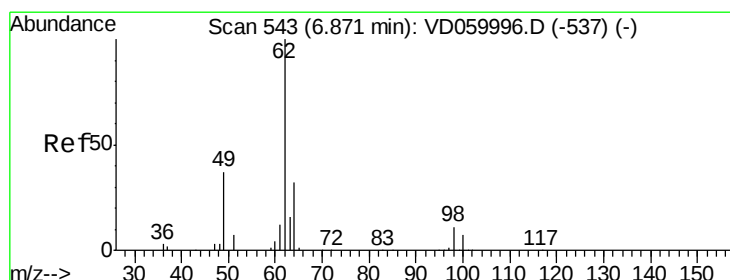
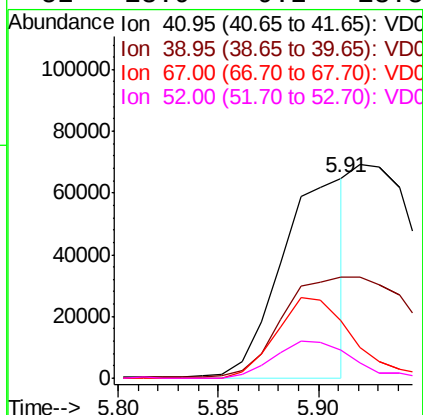
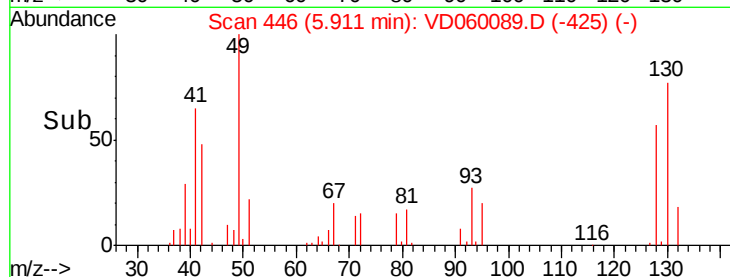
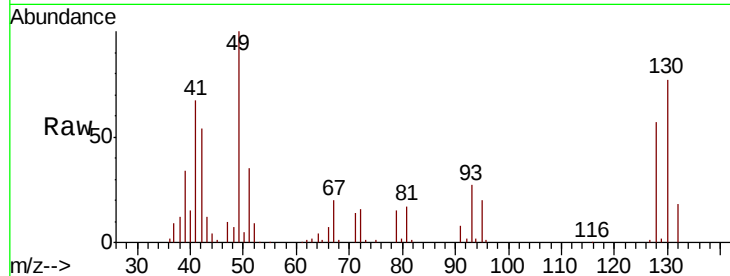
#41
Methacrylonitrile
Concen: 19.367 ug/l m
RT: 5.91 min Scan# 446
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleID :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.3	37.5	56.3
67	29.1	21.5	32.3
52	13.9	9.2	13.8

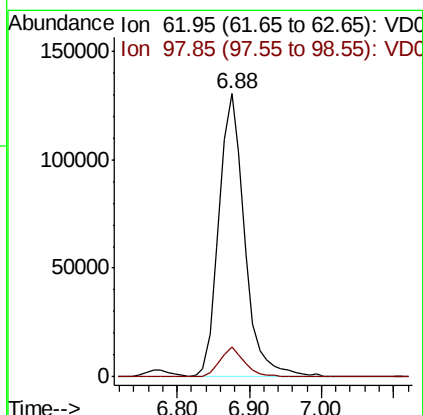
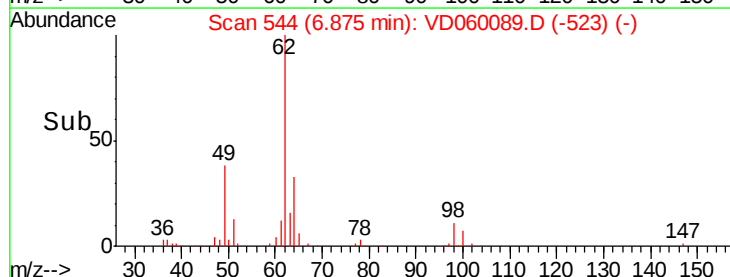
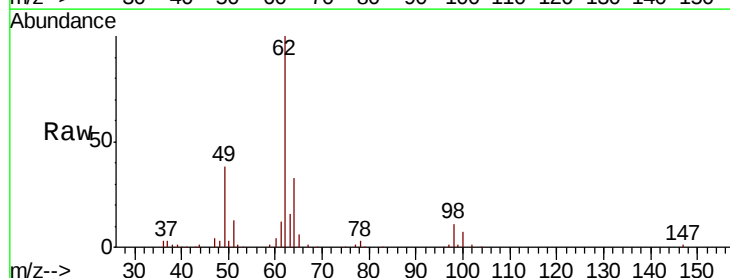
Manual Integrations
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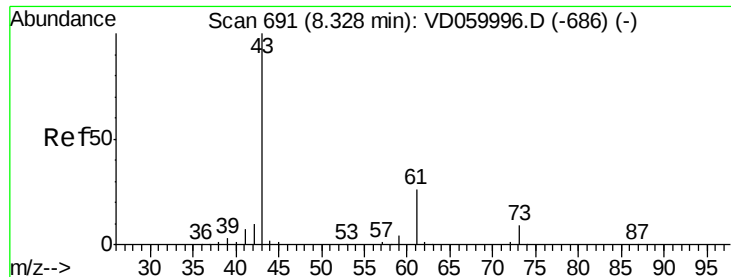
apatel
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#42
1,2-Dichloroethane
Concen: 19.818 ug/l
RT: 6.88 min Scan# 544
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.7	0.0	21.4





#43

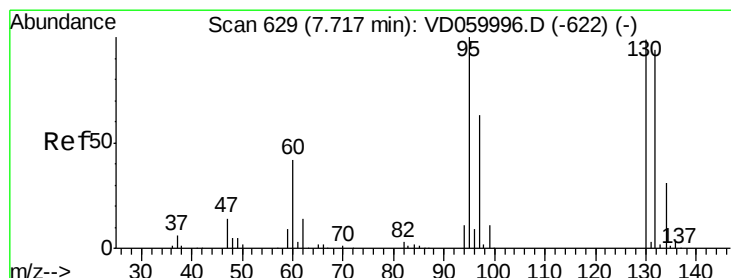
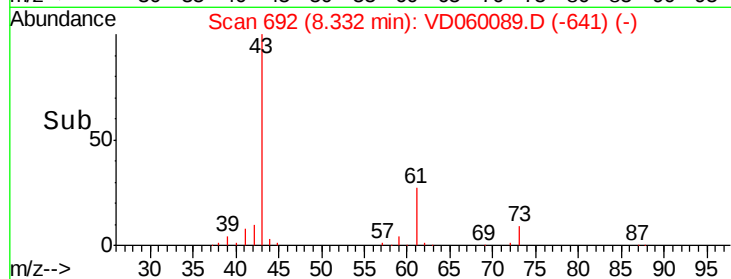
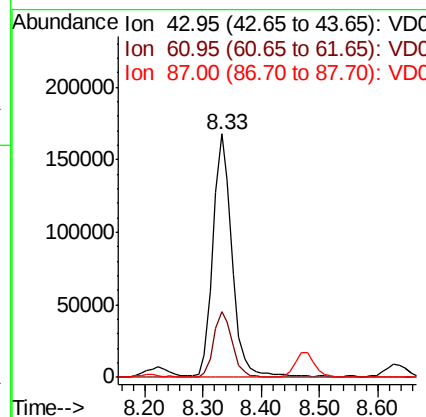
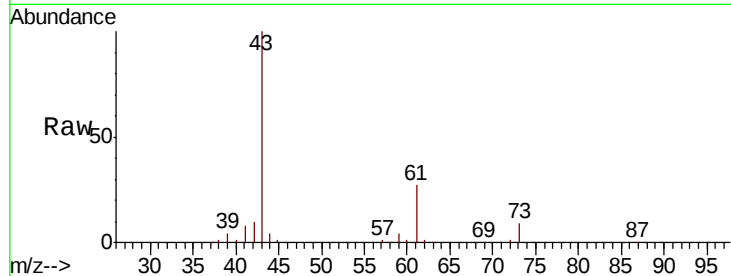
Isopropyl Acetate
 Concen: 19.516 ug/l
 RT: 8.33 min Scan# 692
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleID :
 VD0925SBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	27.1	21.0	31.6
87	0.3	0.2	0.2#

Manual Integrations
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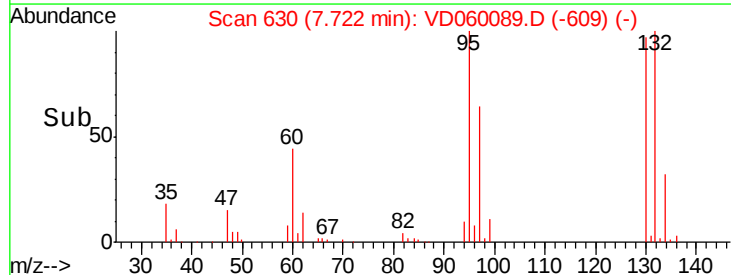
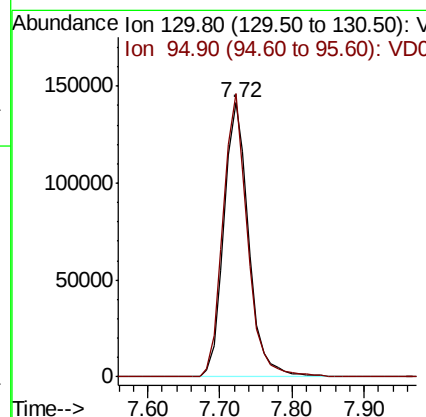
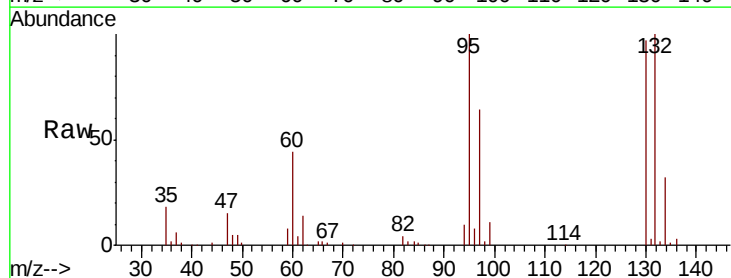
apatel
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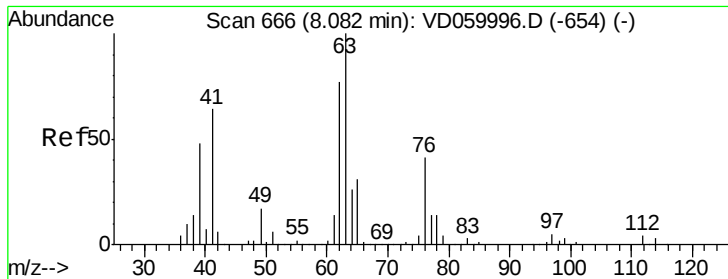


#44

Trichloroethene
 Concen: 20.307 ug/l
 RT: 7.72 min Scan# 630
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.3	0.0	202.0





#45

1,2-Dichloropropane

Concen: 20.925 ug/l

RT: 8.09 min Scan# 667

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 63 Resp: 300215

Ion Ratio Lower Upper

63 100

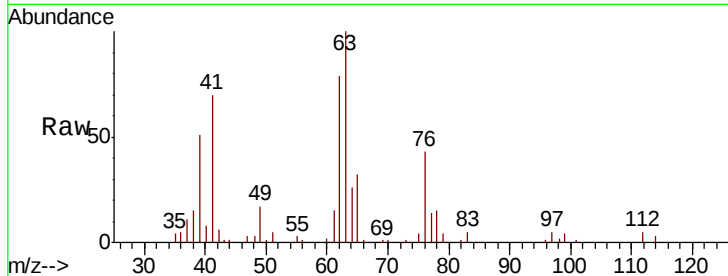
65 31.6 24.6 37.0

Manual Integrations

APPROVED

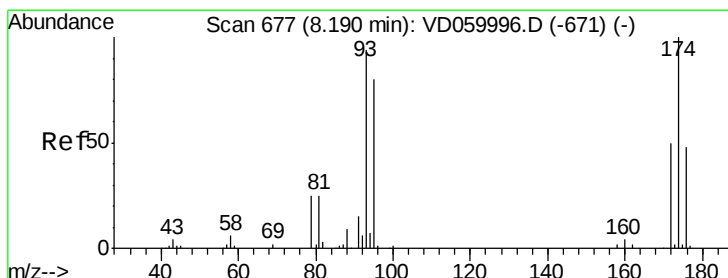
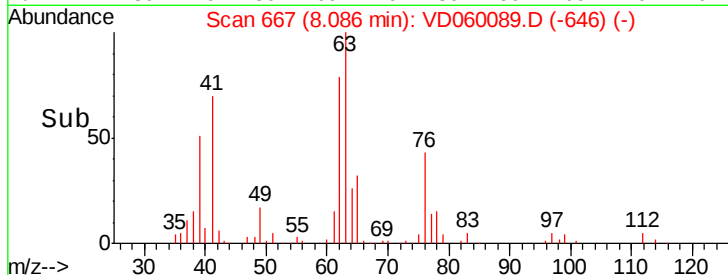
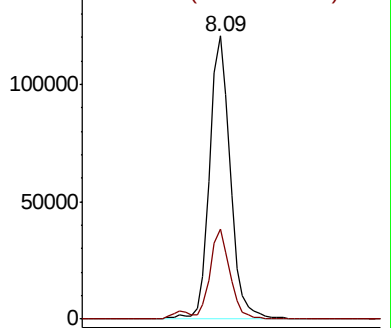
apatel

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Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 20.563 ug/l

RT: 8.19 min Scan# 678

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

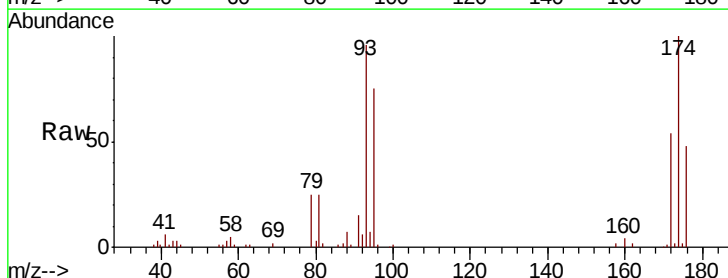
Tgt Ion: 93 Resp: 192489

Ion Ratio Lower Upper

93 100

95 78.6 68.0 102.0

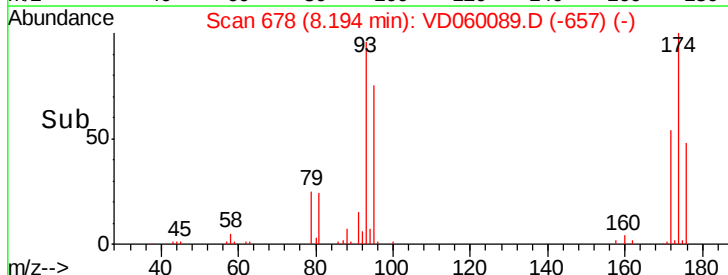
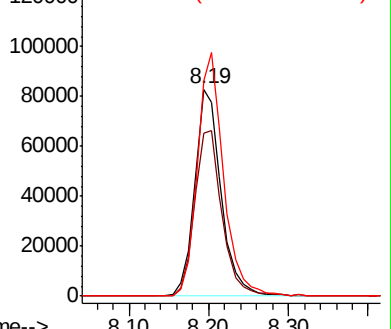
174 104.3 85.4 128.2

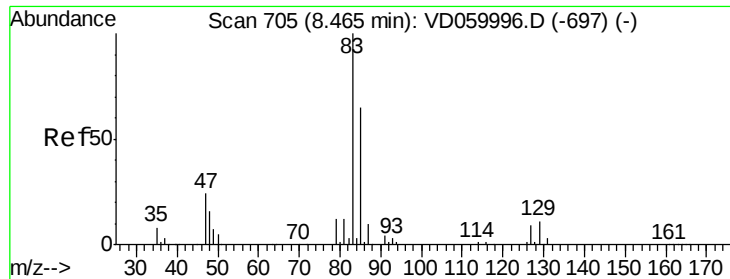


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): VDC





#47

Bromodichloromethane

Concen: 20.296 ug/l

RT: 8.47 min Scan# 706

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

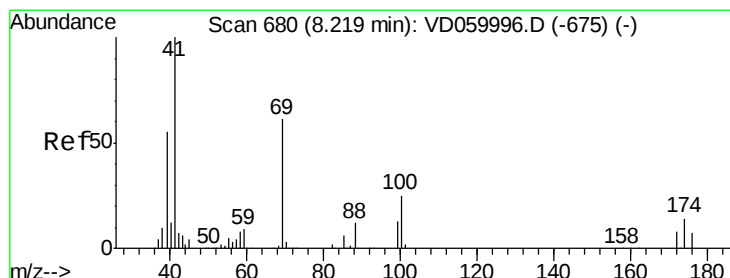
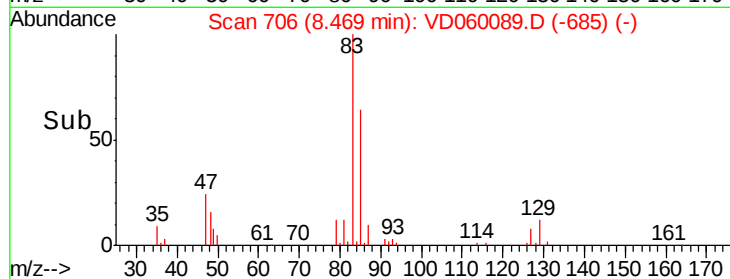
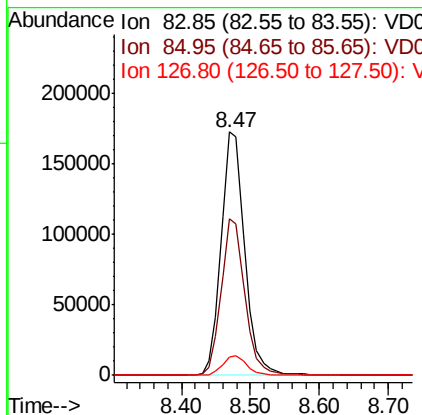
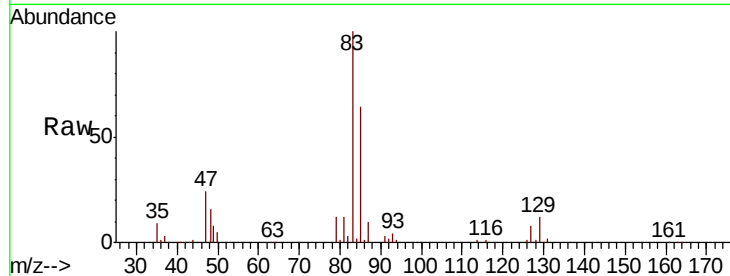
ClientSampleId :

VD0925SBS01

Tot Ion:	83	Resp:	409617
Ion Ratio	Lower	Upper	
83	100		
85	64.4	51.9	77.9
127	7.8	6.8	10.2

Manual Integrations
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#48

Methyl methacrylate

Concen: 19.890 ug/l

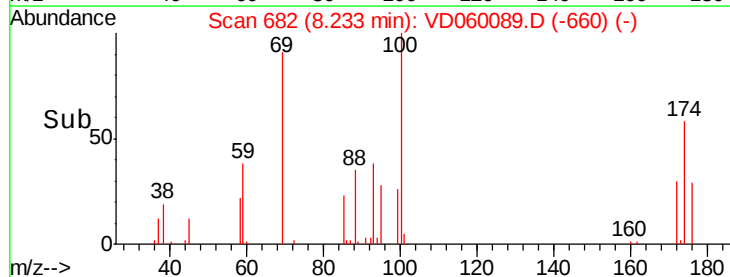
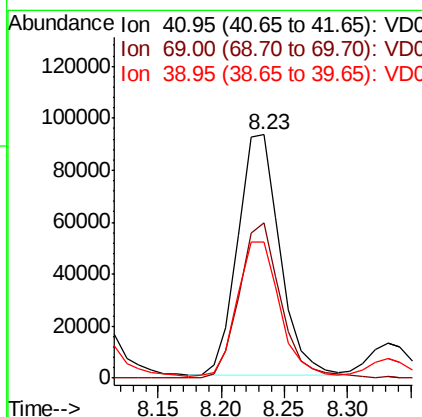
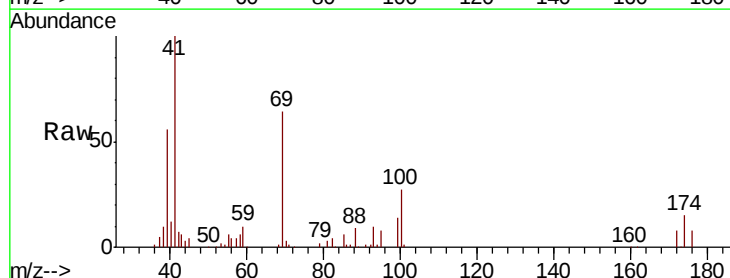
RT: 8.23 min Scan# 682

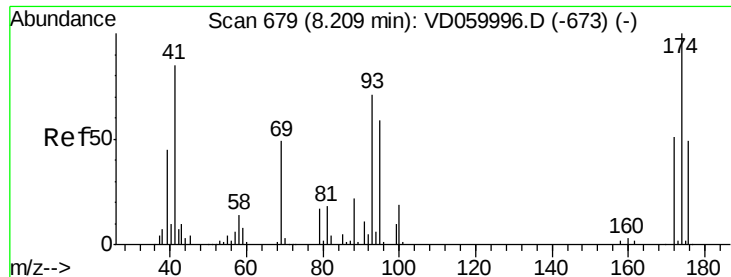
Delta R.T. 0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	41	Resp:	214716
Ion Ratio	Lower	Upper	
41	100		
69	63.6	48.3	72.5
39	56.1	44.1	66.1





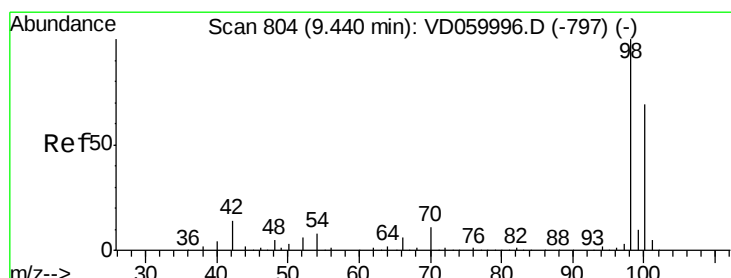
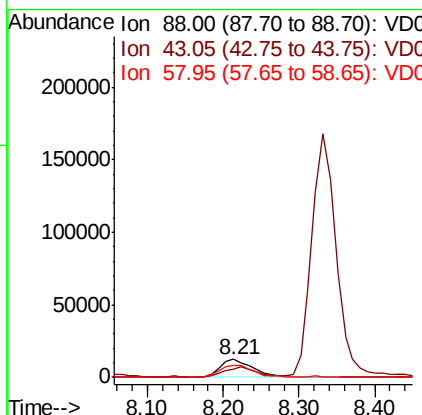
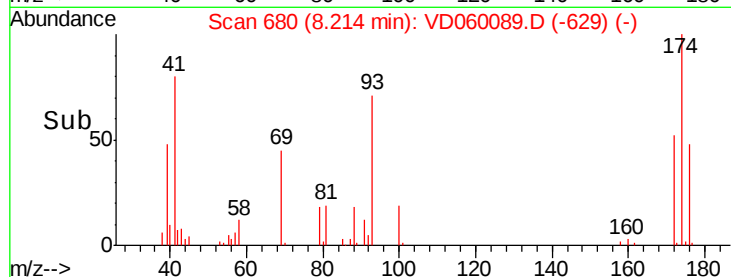
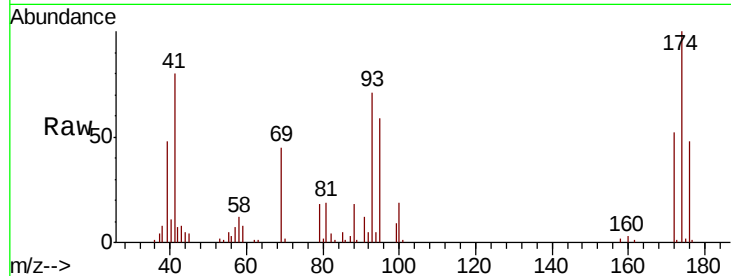
#49
1,4-Dioxane
Concen: 366.457 ug/l
RT: 8.21 min Scan# 680
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion	Ratio	Lower	Upper
88	100		
43	44.6	36.2	54.2
58	66.0	51.0	76.6

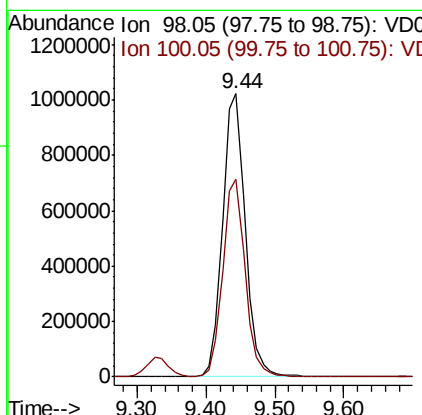
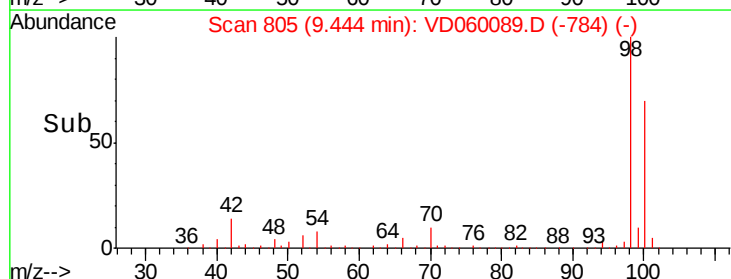
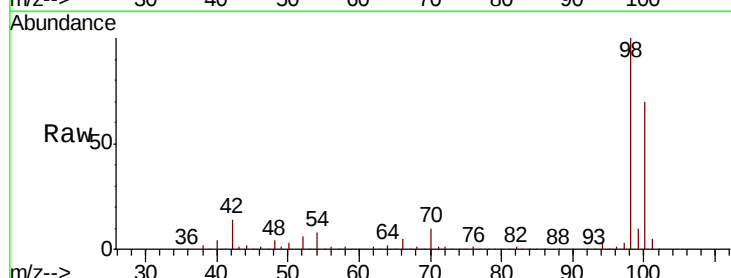
Manual Integrations
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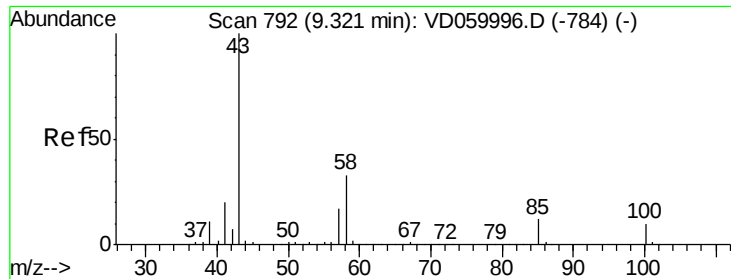
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#50
Toluene-d8
Concen: 366.457 ug/l
RT: 9.44 min Scan# 805
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
98	100		
100	69.9	55.8	83.6





#51

4-Methyl-2-Pentanone

Concen: 108.833 ug/l

RT: 9.33 min Scan# 793

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 43 Resp: 1540704

Ion Ratio Lower Upper

43 100

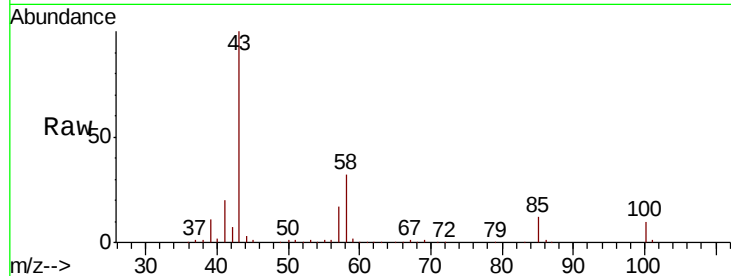
58 32.3 26.4 39.6

Manual Integrations

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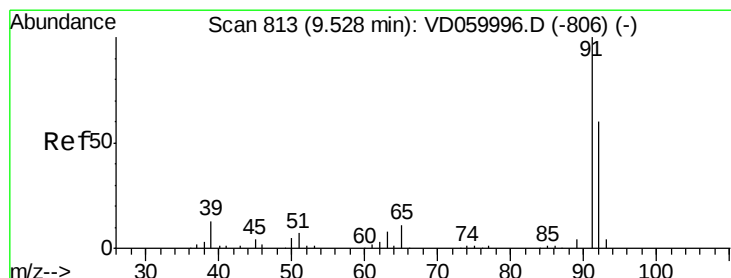
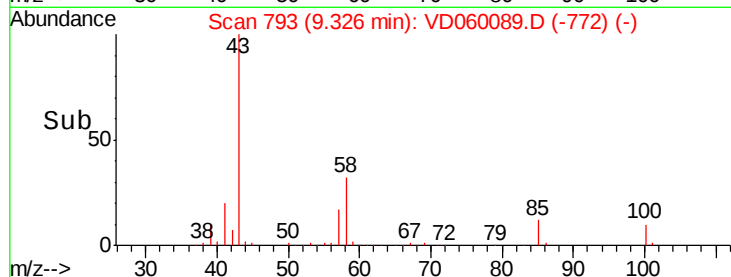
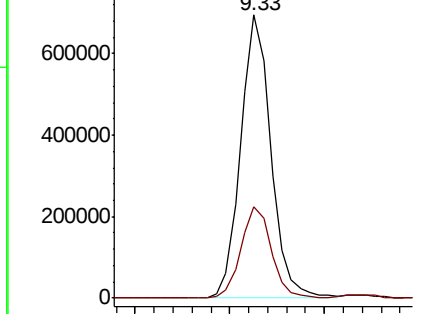
apatel

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Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 21.311 ug/l

RT: 9.53 min Scan# 814

Delta R.T. 0.00 min

Lab File: VD060089.D

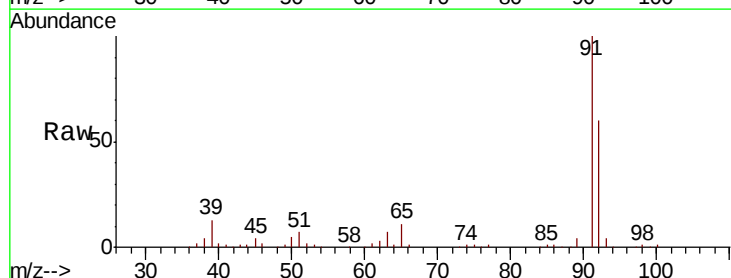
Acq: 25 Sep 2018 13:17

Tgt Ion: 92 Resp: 732922

Ion Ratio Lower Upper

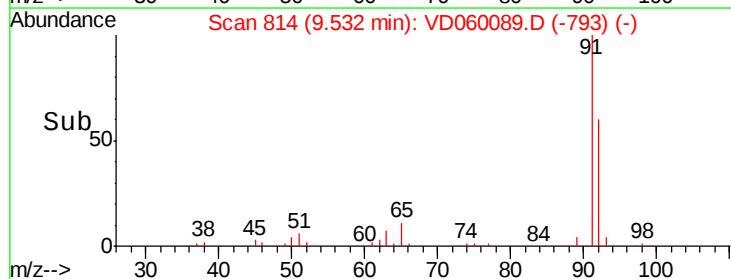
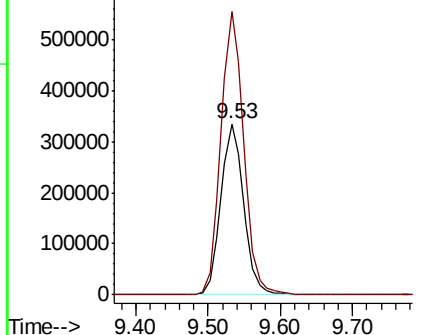
92 100

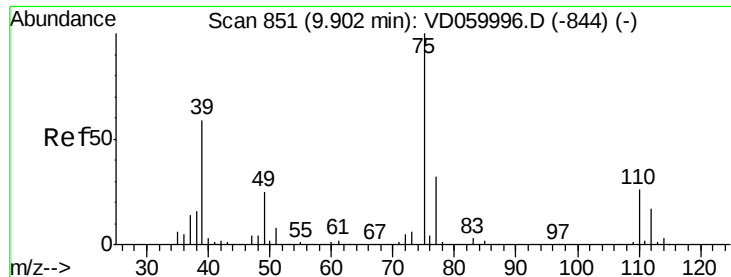
91 165.6 132.3 198.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 19.415 ug/l

RT: 9.91 min Scan# 852

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 75 Resp: 365458

Ion Ratio Lower Upper

75 100

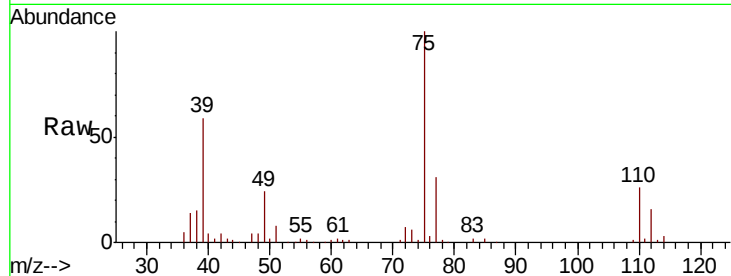
77 31.4 25.6 38.4

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Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

200000

150000

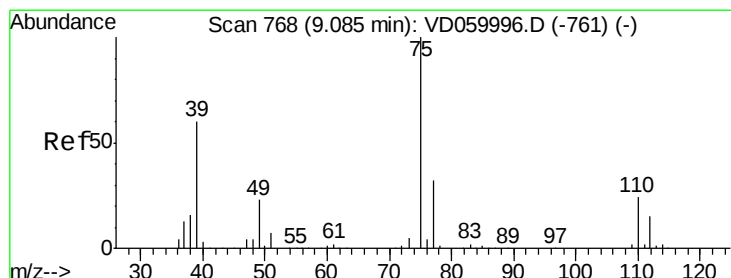
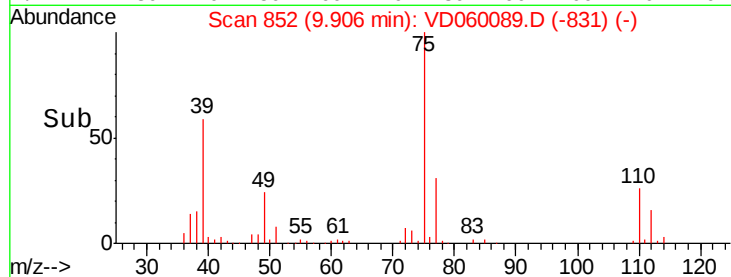
100000

50000

0

9.80 9.90 10.00

Time-->



#54

cis-1,3-Dichloropropene

Concen: 20.561 ug/l

RT: 9.09 min Scan# 769

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

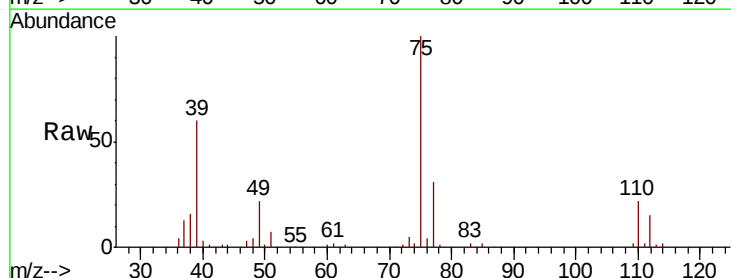
Tgt Ion: 75 Resp: 462421

Ion Ratio Lower Upper

75 100

77 30.8 25.5 38.3

39 60.4 48.0 72.0



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

250000

200000

150000

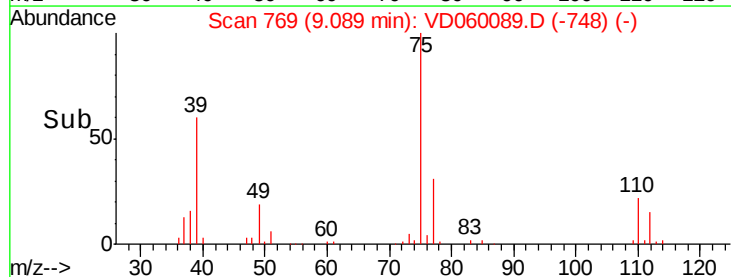
100000

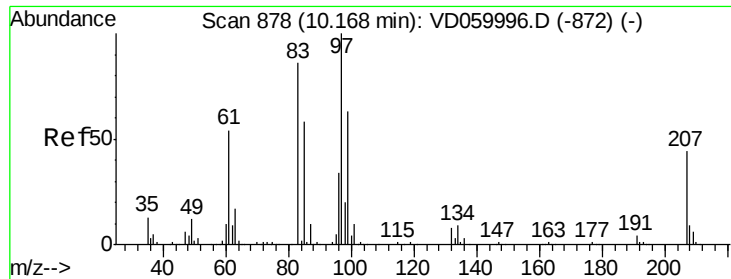
50000

0

9.00 9.10 9.20 9.30

Time-->





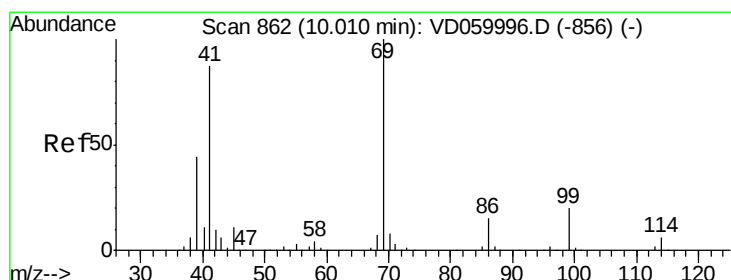
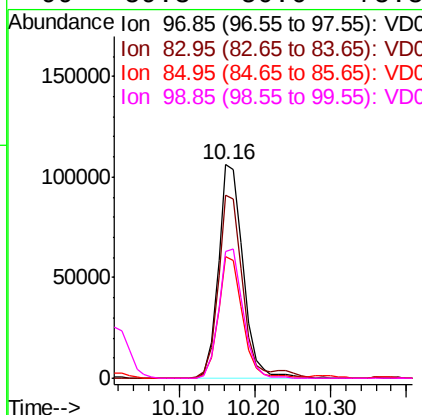
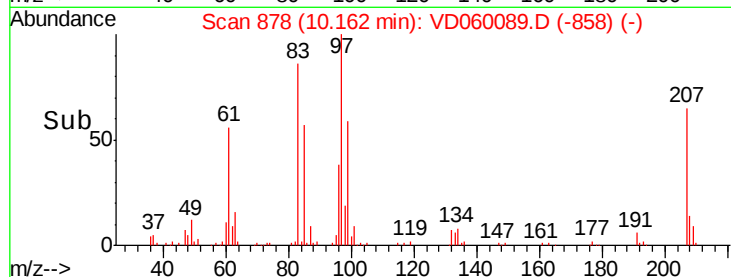
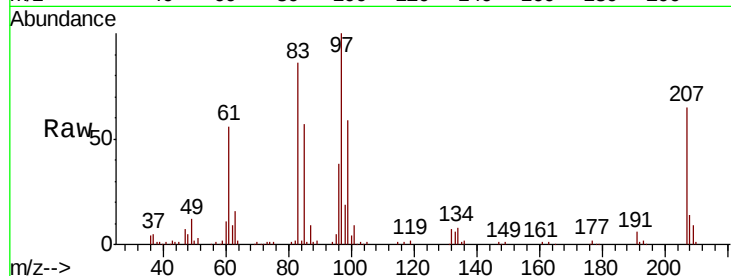
#55
 1,1,2-Trichloroethane
 Concen: 20.050 ug/l
 RT: 10.16 min Scan# 878
 Delta R.T. -0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		239407		
83	85.9	69.1	103.7		
85	57.1	46.2	69.4		
99	59.3	50.6	75.8		

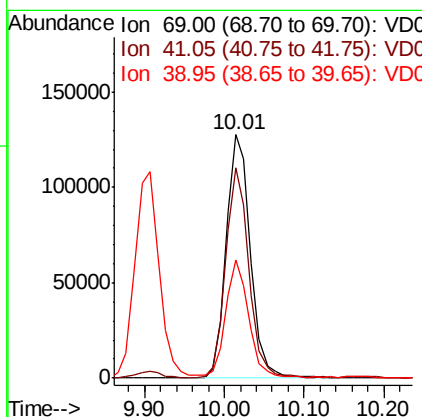
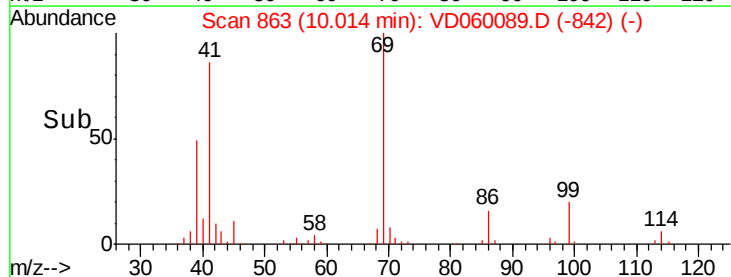
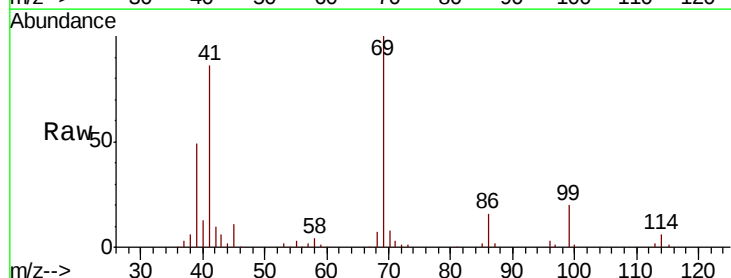
Manual Integrations
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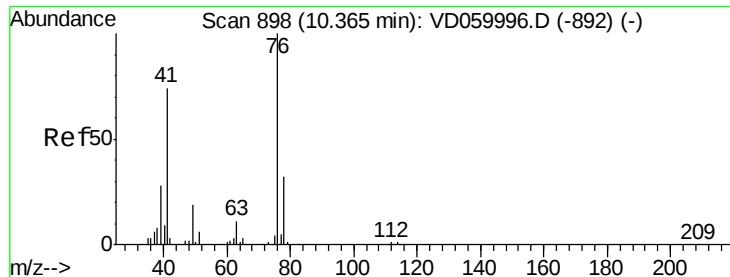
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#56
 Ethyl methacrylate
 Concen: 20.483 ug/l
 RT: 10.01 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		271290		
41	86.4	70.1	105.1		
39	48.8	36.5	54.7		





#57

1,3-Dichloropropane

Concen: 21.067 ug/l

RT: 10.37 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 76 Resp: 371330

Ion Ratio Lower Upper

76 100

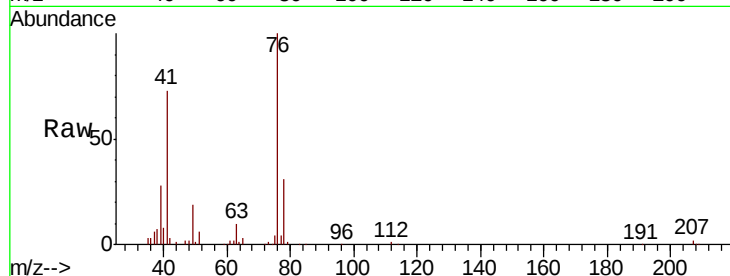
78 30.8 25.3 37.9

Manual Integrations

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Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

10.37

200000

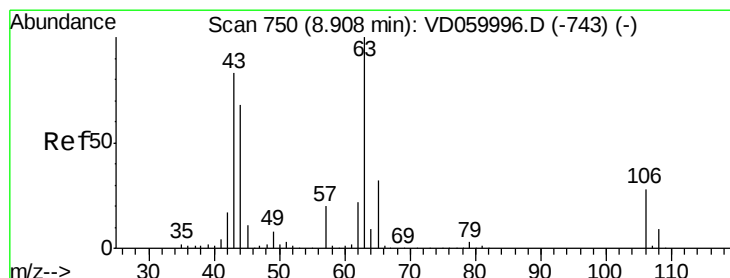
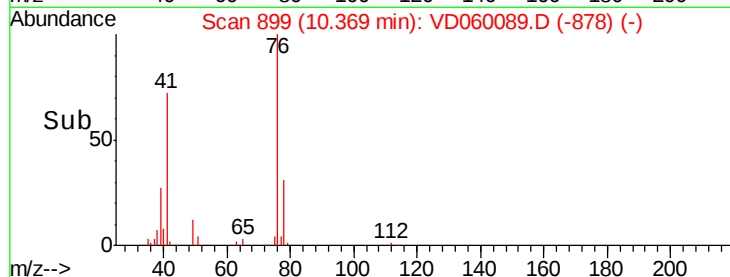
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 111.223 ug/l

RT: 8.90 min Scan# 750

Delta R.T. -0.01 min

Lab File: VD060089.D

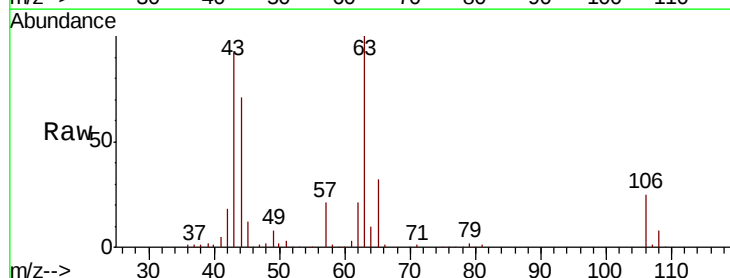
Acq: 25 Sep 2018 13:17

Tgt Ion: 63 Resp: 711342

Ion Ratio Lower Upper

63 100

106 24.7 22.0 33.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

8.90

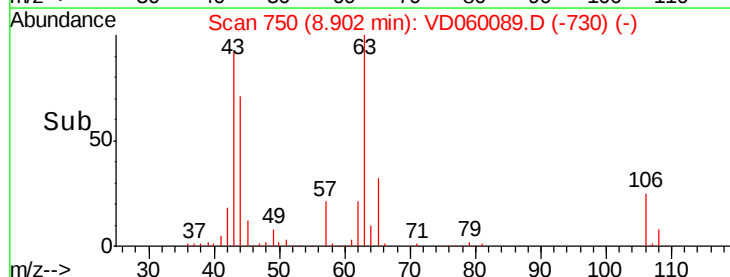
300000

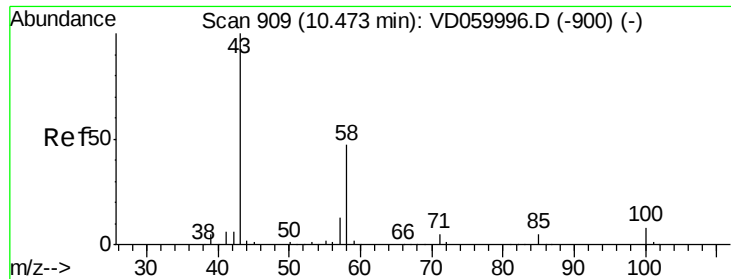
200000

100000

0

Time-->





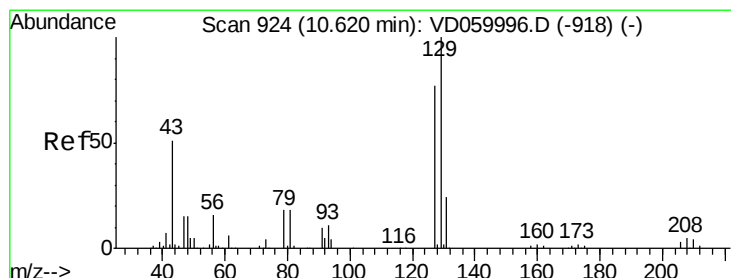
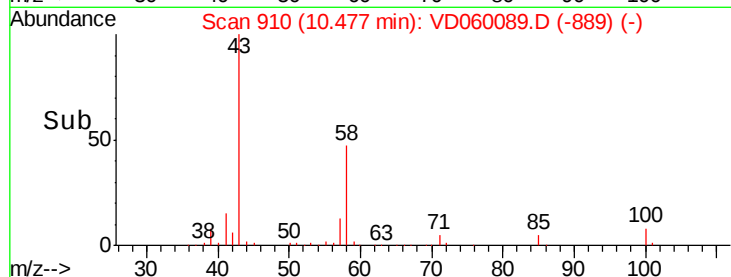
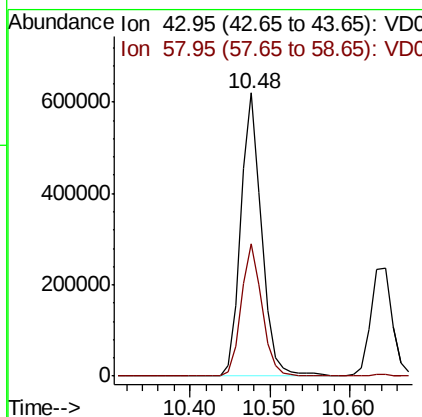
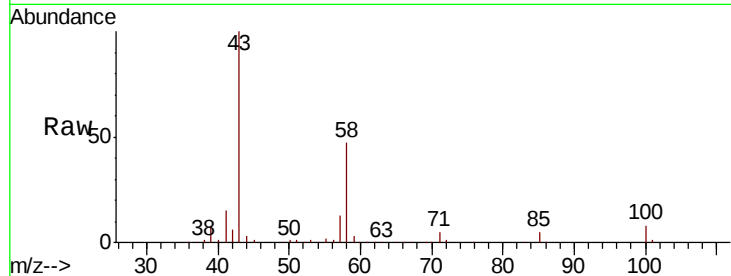
#59
2-Hexanone
Concen: 109.893 ug/l
RT: 10.48 min Scan# 910
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 43 Resp: 1119109
Ion Ratio Lower Upper
43 100
58 46.9 23.4 70.0

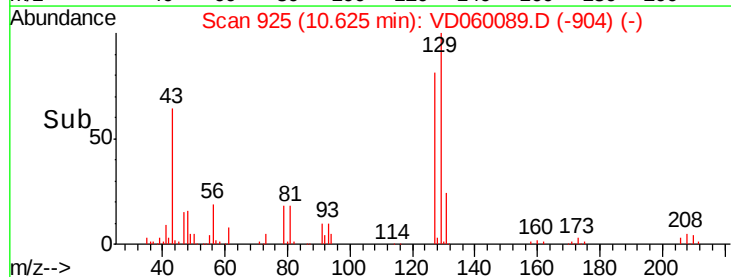
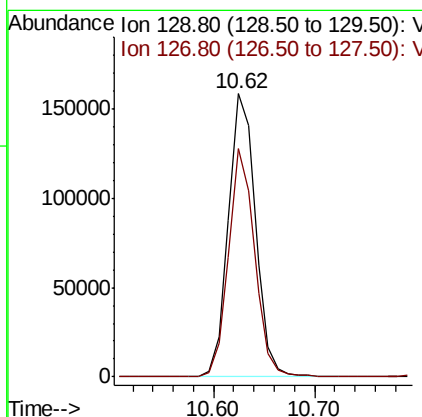
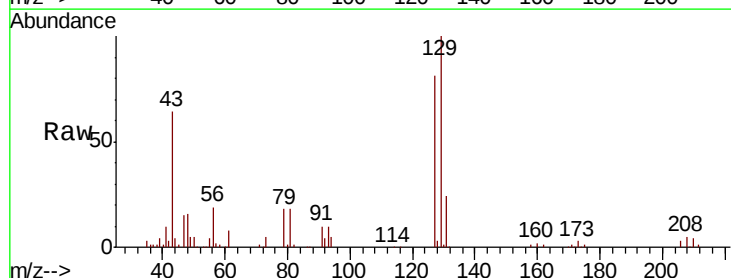
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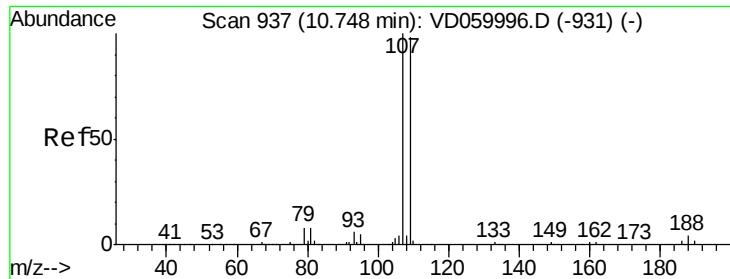
apatel
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#60
Dibromochloromethane
Concen: 20.339 ug/l
RT: 10.62 min Scan# 925
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 129 Resp: 295599
Ion Ratio Lower Upper
129 100
127 80.6 38.6 116.0





#61

1,2-Dibromoethane

Concen: 20.657 ug/l

RT: 10.74 min Scan# 937

Delta R.T. -0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 107 Resp: 254677

Ion Ratio Lower Upper

107 100

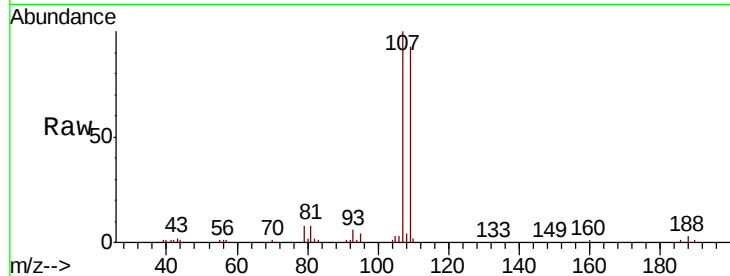
109 92.9 78.2 117.2

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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

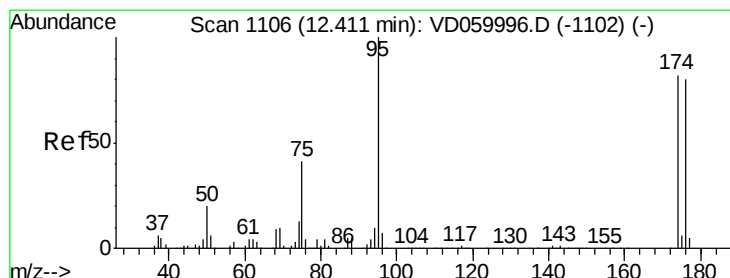
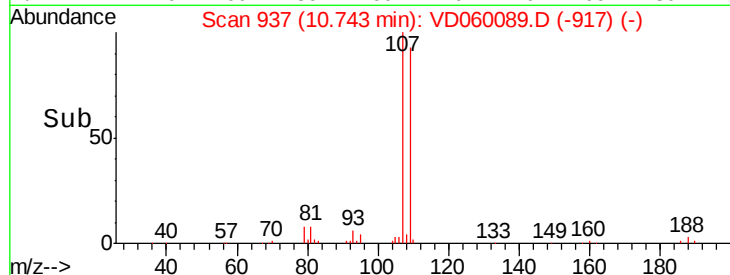
150000

100000

50000

0

Time--> 10.60 10.70 10.80 10.90



#62

4-Bromofluorobenzene

Concen: 20.657 ug/l

RT: 12.42 min Scan# 1107

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

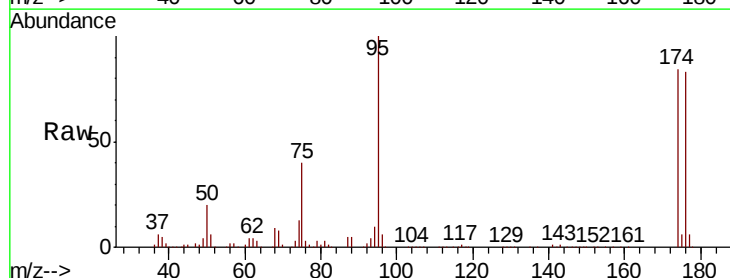
Tgt Ion: 95 Resp: 914255

Ion Ratio Lower Upper

95 100

174 84.2 0.0 165.0

176 82.7 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

800000

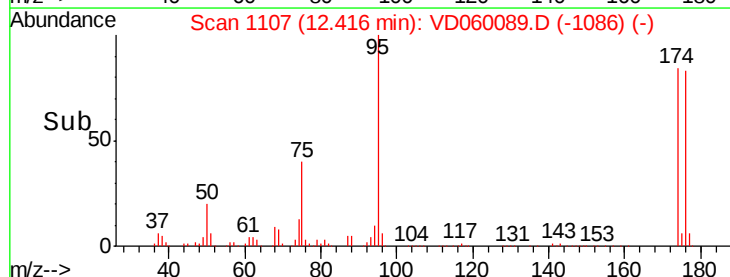
600000

400000

200000

0

Time--> 12.30 12.40 12.50





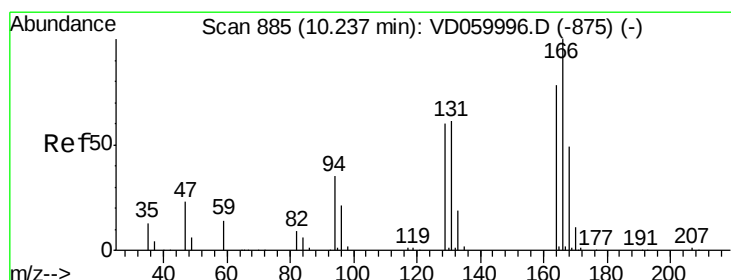
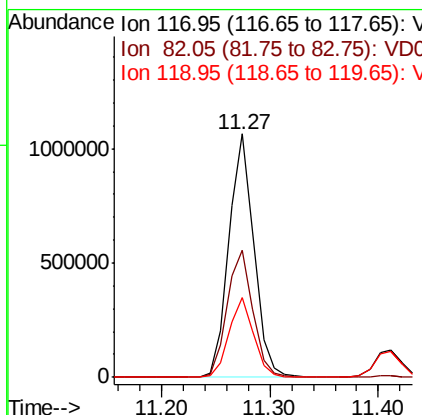
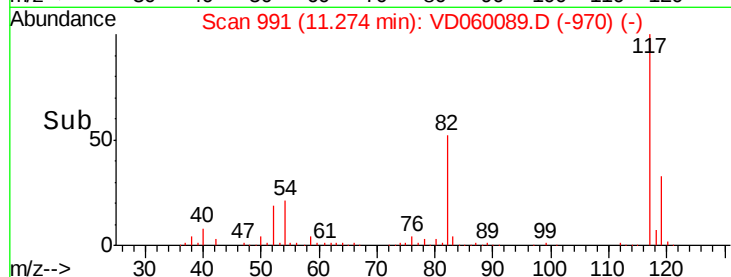
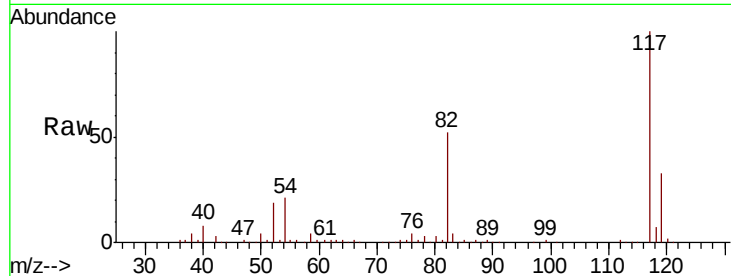
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.27 min Scan# 991
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion:117 Resp: 1718991
Ion Ratio Lower Upper
117 100
82 52.4 41.7 62.5
119 32.8 26.0 39.0

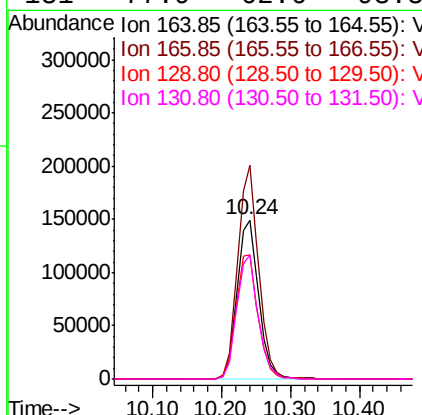
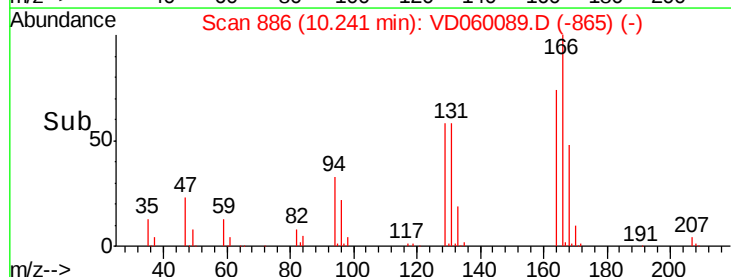
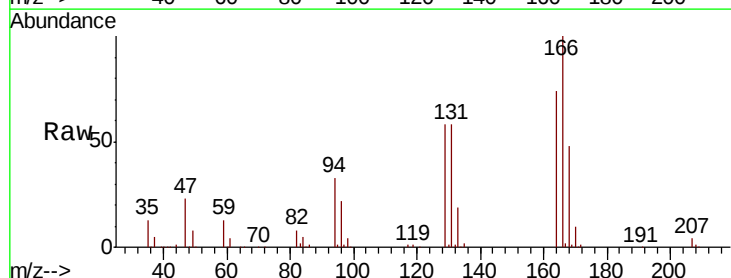
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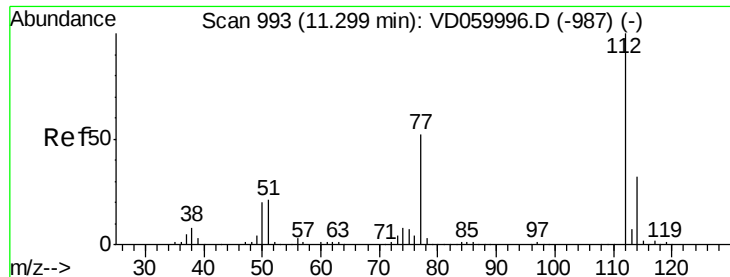
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#64
Tetrachloroethene
Concen: 21.168 ug/l
RT: 10.24 min Scan# 886
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion:164 Resp: 321048
Ion Ratio Lower Upper
164 100
166 134.3 103.0 154.6
129 77.8 61.9 92.9
131 77.9 62.6 93.8





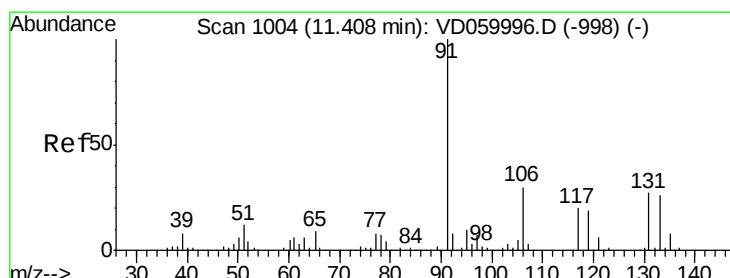
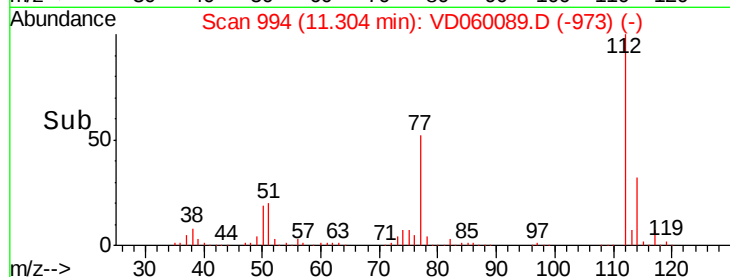
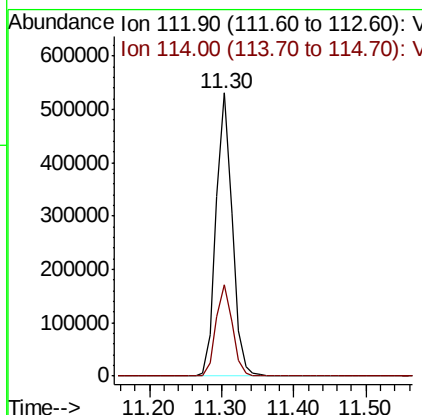
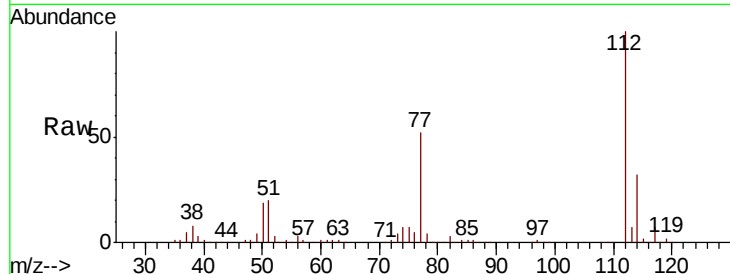
#65
Chlorobenzene
Concen: 21.983 ug/l
RT: 11.30 min Scan# 994
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBSD01

Tot Ion:112 Resp: 812449
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9

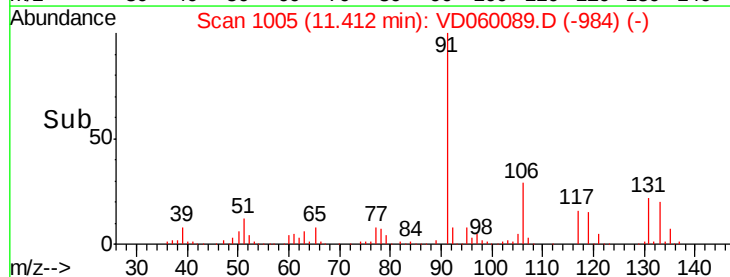
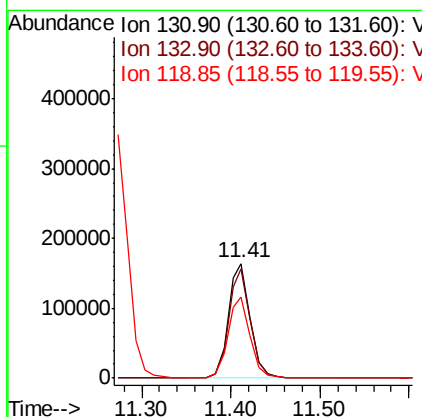
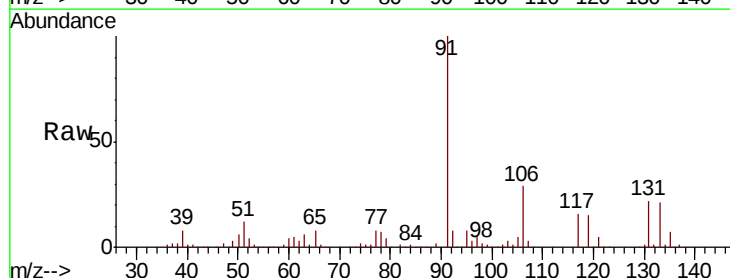
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#66
1,1,1,2-Tetrachloroethane
Concen: 22.609 ug/l
RT: 11.41 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion:131 Resp: 281827
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 70.4 35.6 106.9





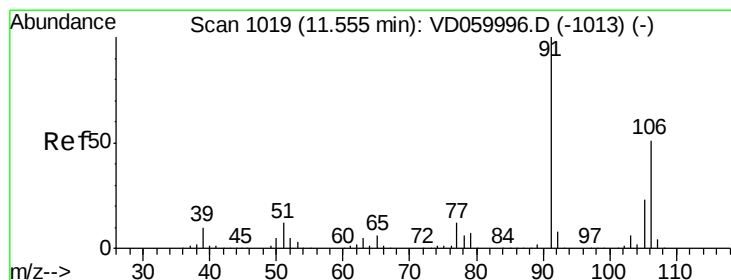
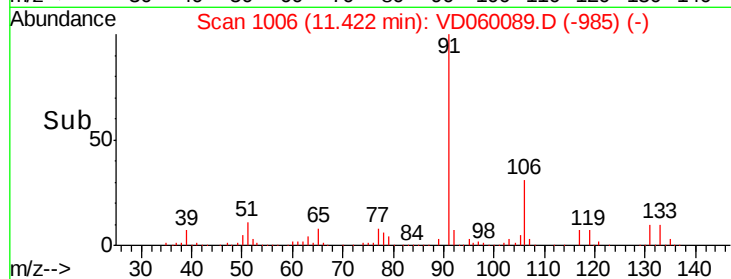
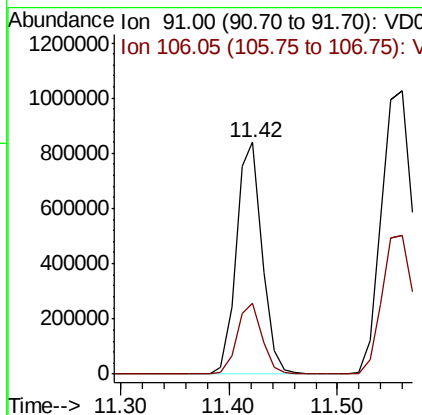
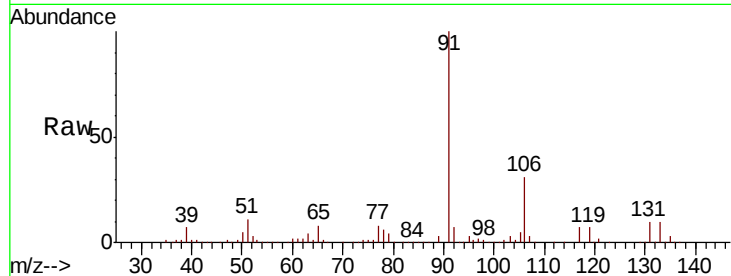
#67
Ethyl Benzene
Concen: 23.323 ug/l
RT: 11.42 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion: 91 Resp: 1387164
Ion Ratio Lower Upper
91 100
106 30.8 24.8 37.2

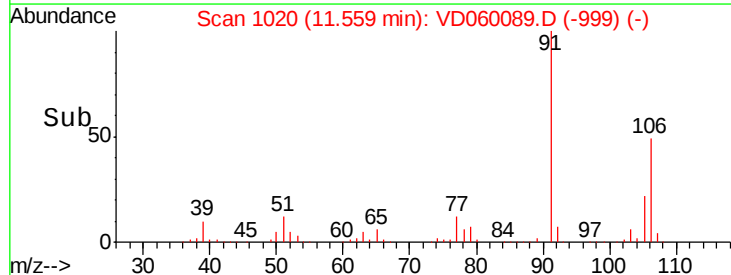
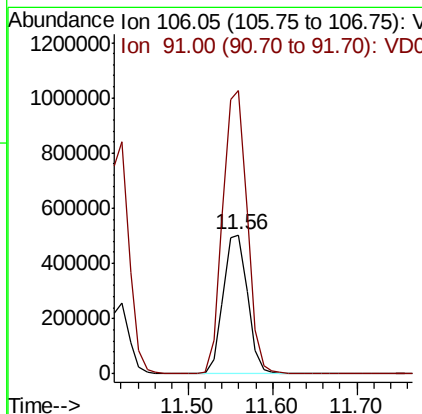
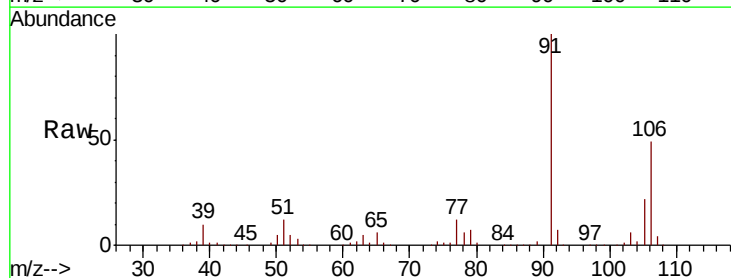
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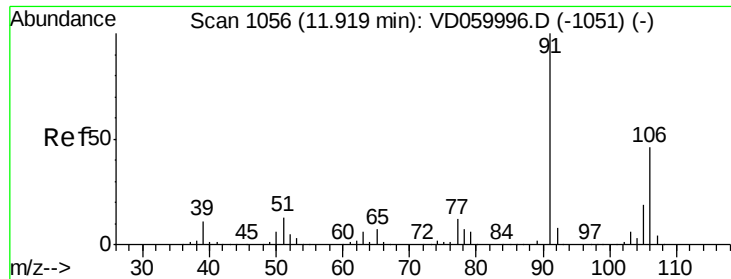
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#68
m/p-Xylenes
Concen: 46.045 ug/l
RT: 11.56 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 106 Resp: 1011389
Ion Ratio Lower Upper
106 100
91 203.3 157.0 235.6





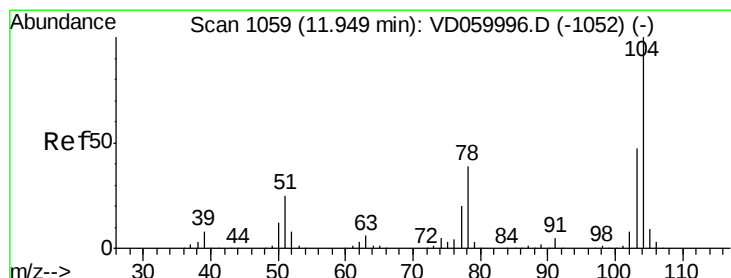
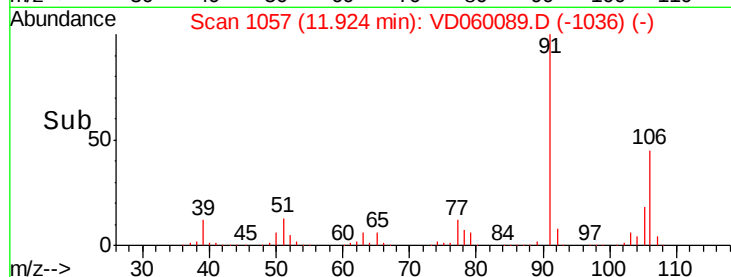
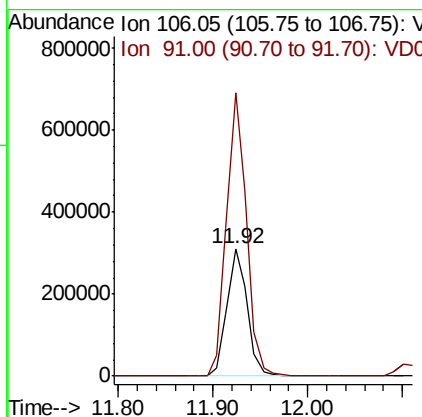
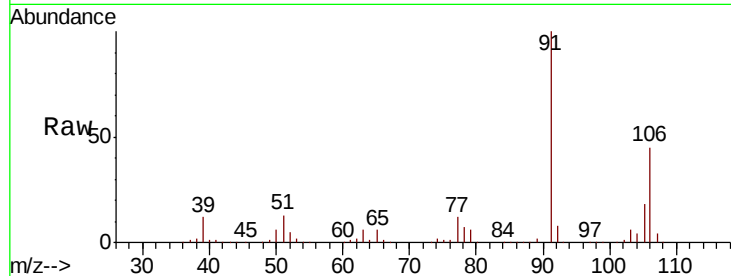
#69
o-Xylene
Concen: 21.148 ug/l
RT: 11.92 min Scan# 1057
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

Tot Ion:106 Resp: 460268
Ion Ratio Lower Upper
106 100
91 222.5 107.7 323.1

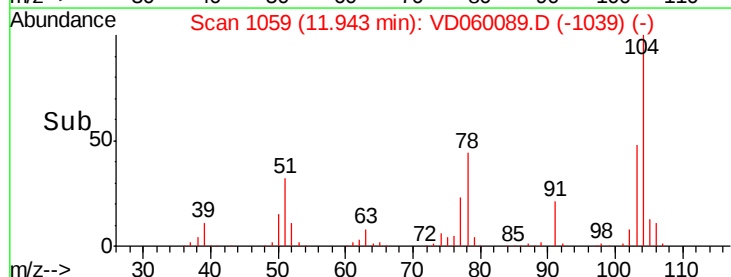
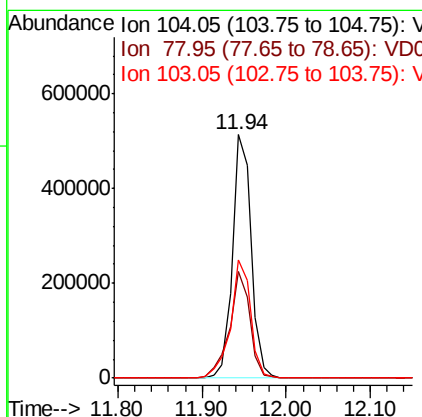
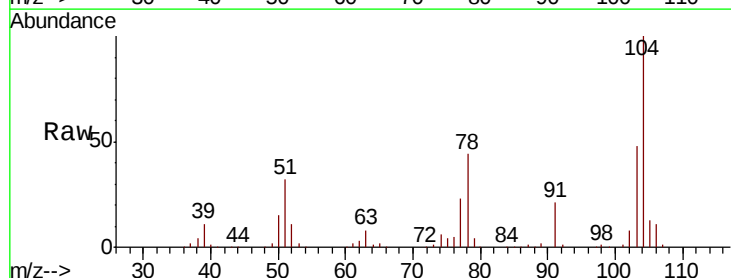
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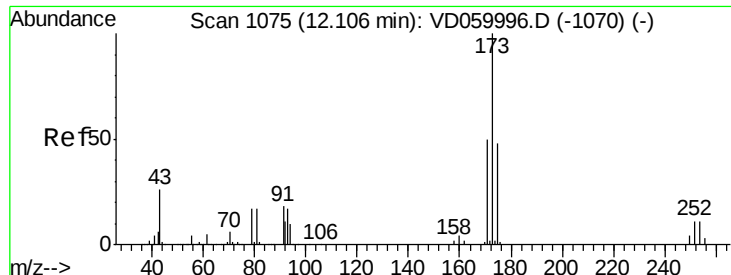
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#70
Styrene
Concen: 21.655 ug/l
RT: 11.94 min Scan# 1059
Delta R.T. -0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion:104 Resp: 792478
Ion Ratio Lower Upper
104 100
78 43.9 31.0 46.4
103 48.5 37.6 56.4





#71

Bromoform

Concen: 19.419 ug/l

RT: 12.11 min Scan# 1076

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

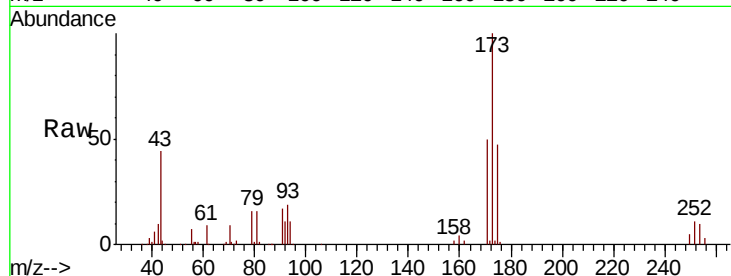
ClientSampleId :

VD0925SBSD01

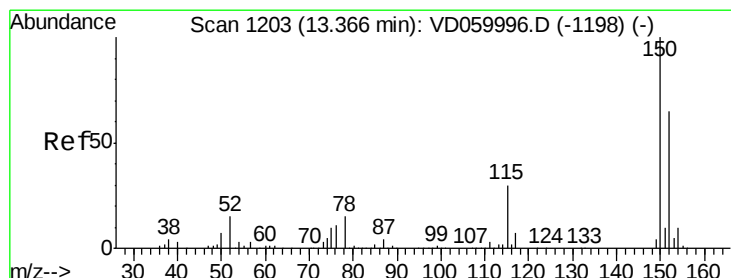
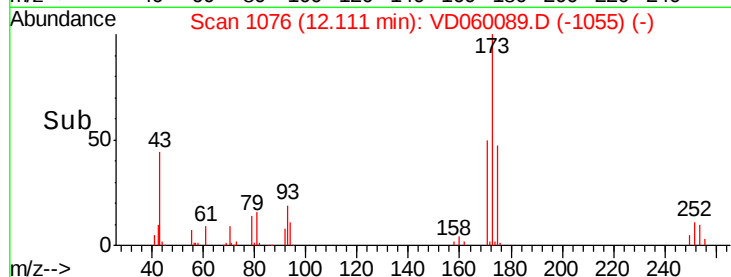
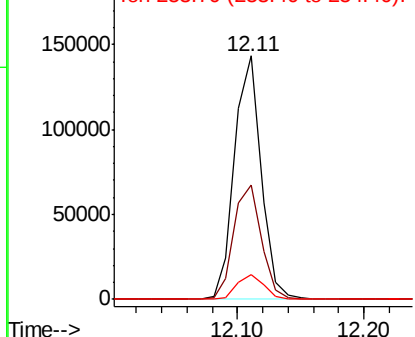
Tot Ion:	173	Resp:	207967
Ion Ratio	Lower	Upper	
173	100		
175	47.0	24.0	72.0
254	9.9	8.6	13.0

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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: 50.000 ug/l

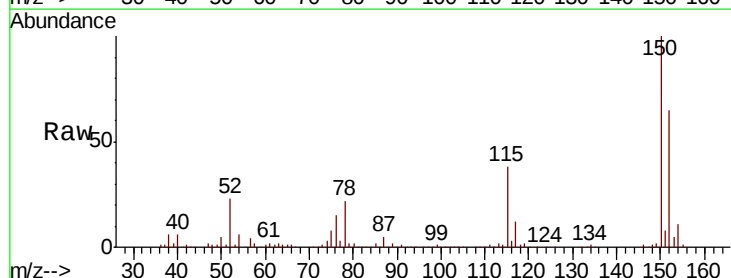
RT: 13.36 min Scan# 1203

Delta R.T. -0.01 min

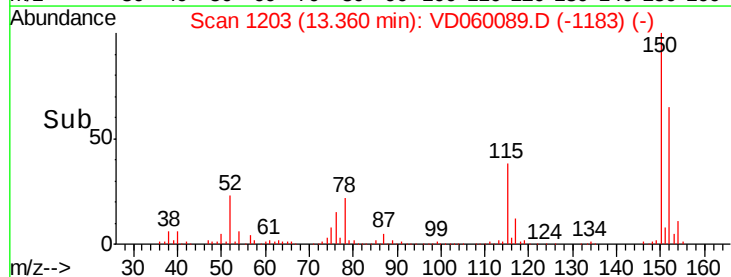
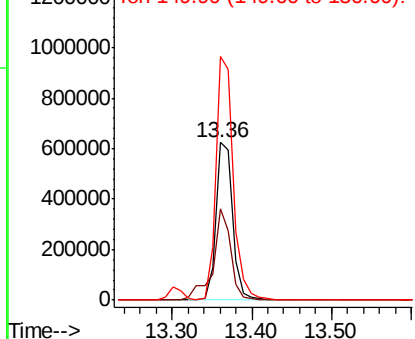
Lab File: VD060089.D

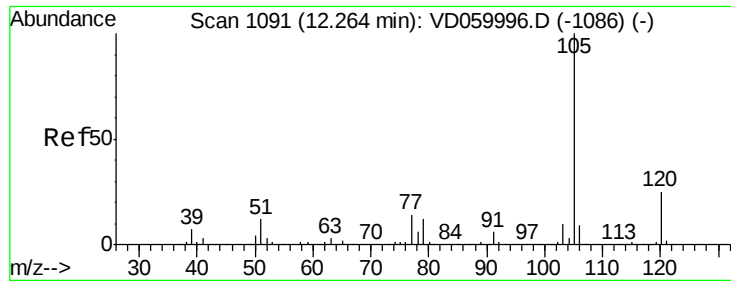
Acq: 25 Sep 2018 13:17

Tgt Ion:	152	Resp:	922140
Ion Ratio	Lower	Upper	
152	100		
115	58.3	24.6	73.8
150	154.3	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: 21.707 ug/l

RT: 12.27 min Scan# 1092

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleID :

VD0925SBS01

Tot Ion:105 Resp: 1312828

Ion Ratio Lower Upper

105 100

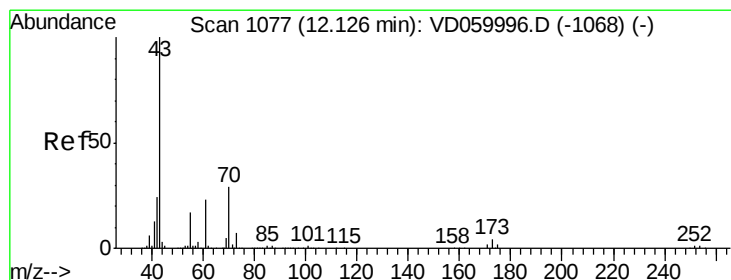
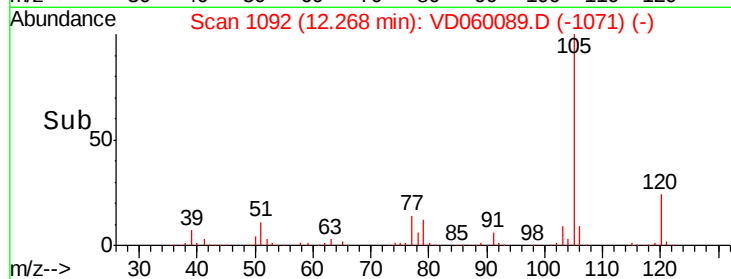
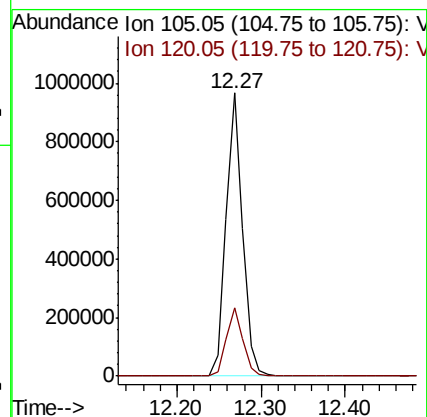
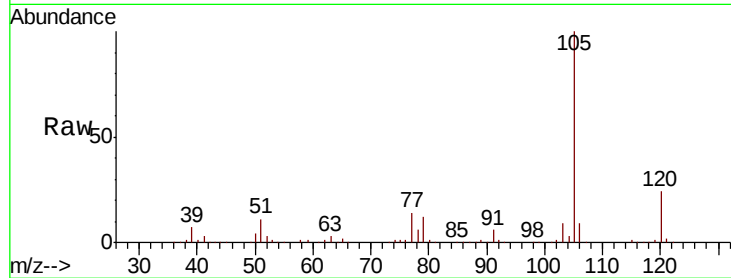
120 24.2 12.3 36.9

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#74

N-ethyl acetate

Concen: 20.372 ug/l

RT: 12.13 min Scan# 1078

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion: 43 Resp: 488024

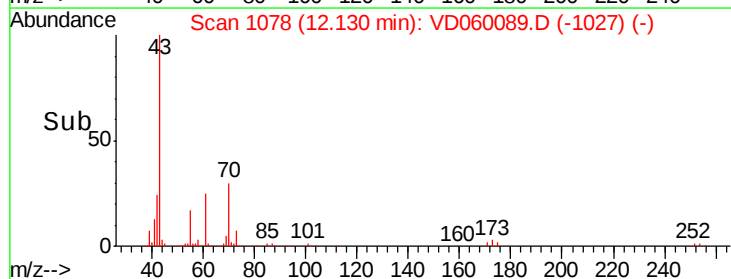
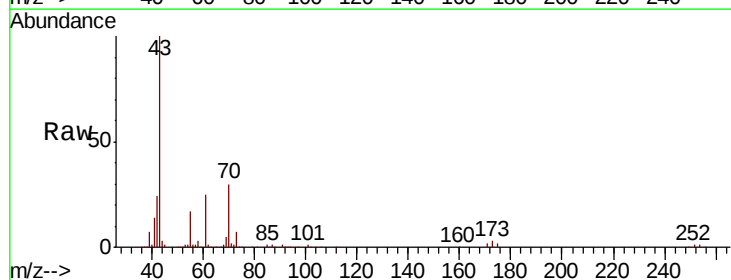
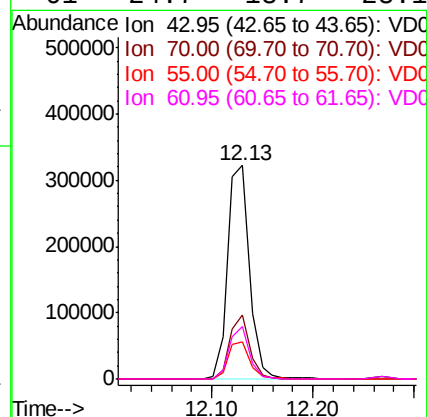
Ion Ratio Lower Upper

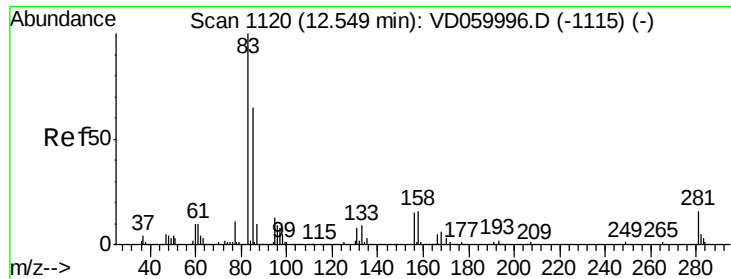
43 100

70 29.8 22.9 34.3

55 17.4 14.0 21.0

61 24.7 18.7 28.1





#75

1,1,2,2-Tetrachloroethane

Concen: 20.420 ug/l

RT: 12.55 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

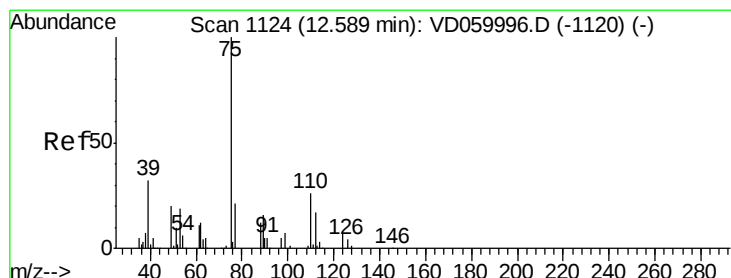
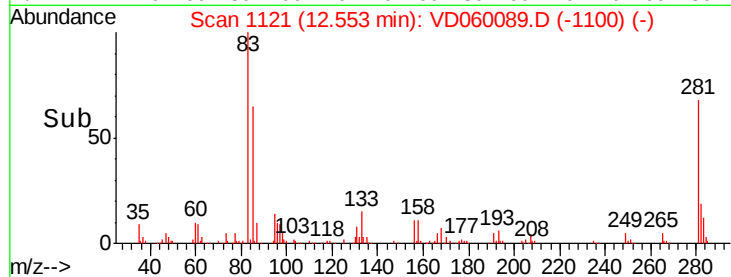
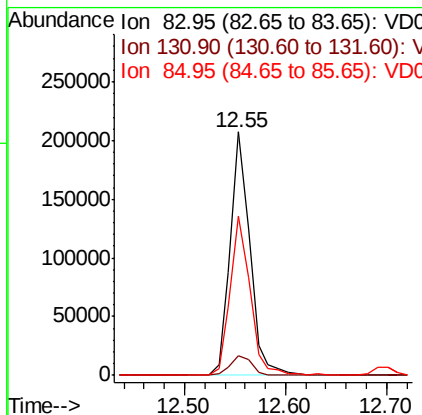
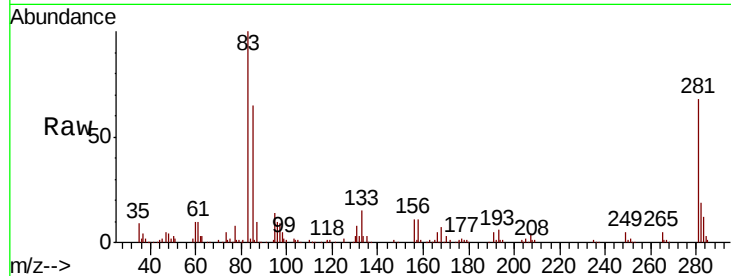
ClientSampleId :

VD0925SBS01

Tot Ion:	83	Resp:	280161
Ion Ratio	Lower	Upper	
83	100		
131	8.3	4.1	12.3
85	65.2	32.4	97.2

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#76

1,2,3-Trichloropropane

Concen: 20.361 ug/l

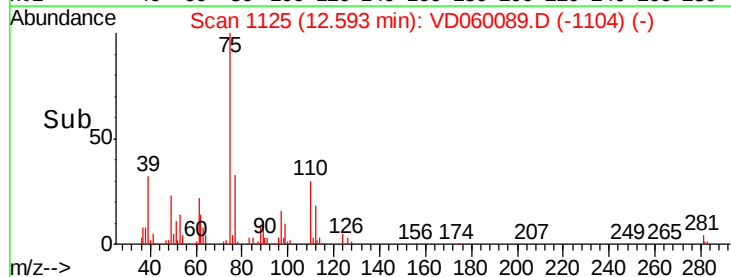
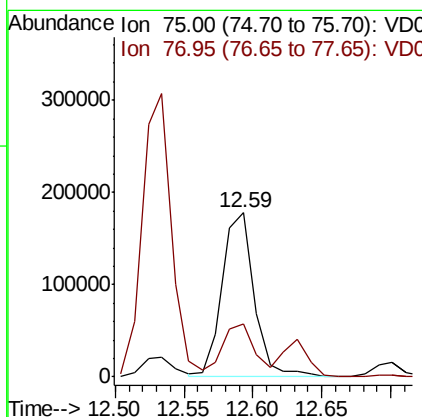
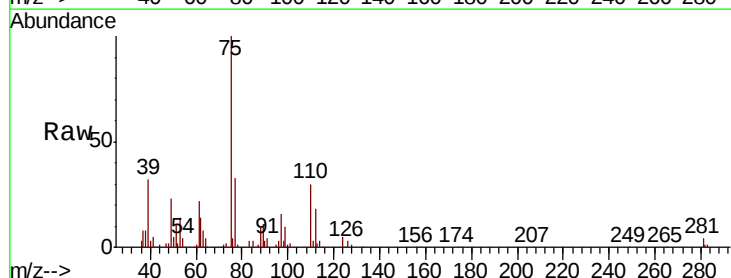
RT: 12.59 min Scan# 1125

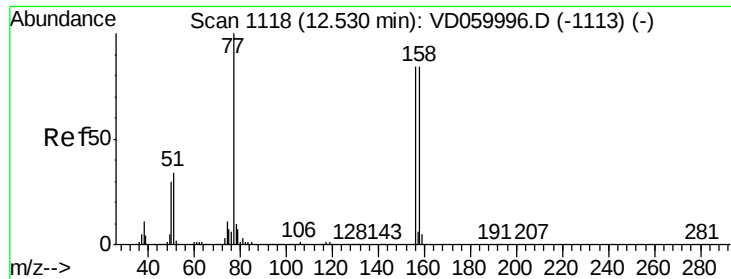
Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	75	Resp:	286760
Ion Ratio	Lower	Upper	
75	100		
77	32.7	16.4	49.4





#77

Bromobenzene

Concen: 21.207 ug/l

RT: 12.53 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

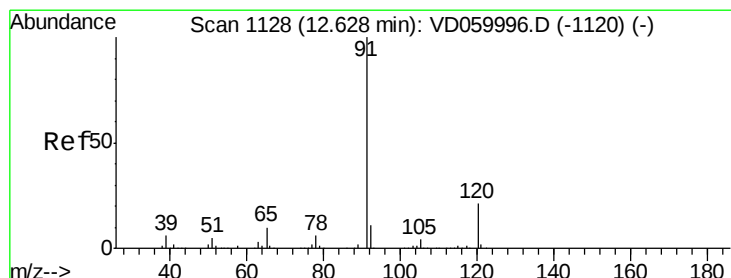
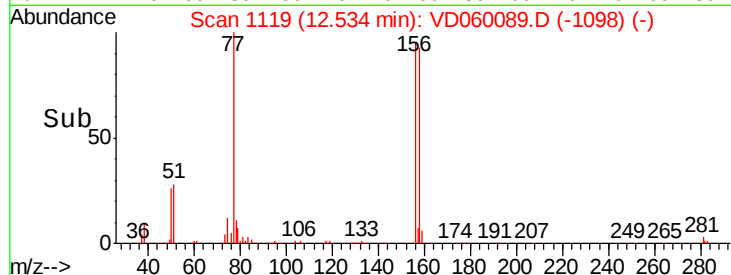
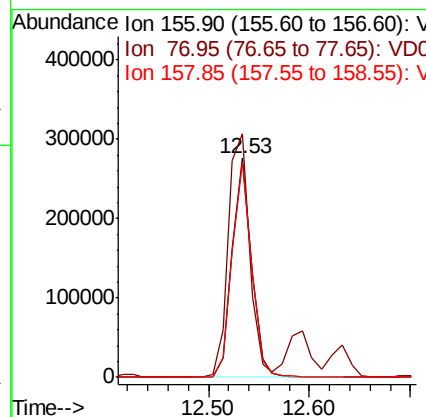
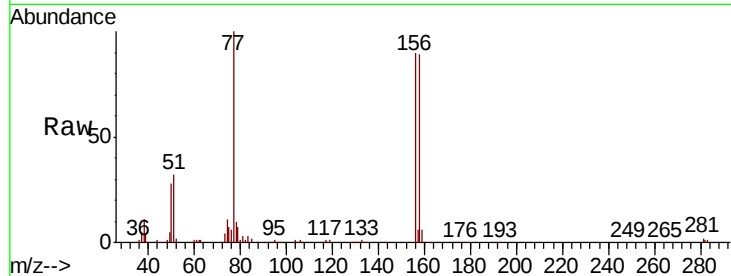
ClientSampleId :

VD0925SBSD01

Tot Ion:	156	Resp:	369454
Ion Ratio	Lower	Upper	
156	100		
77	111.3	59.5	178.4
158	98.7	50.0	149.8

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#78

n-propylbenzene

Concen: 20.785 ug/l

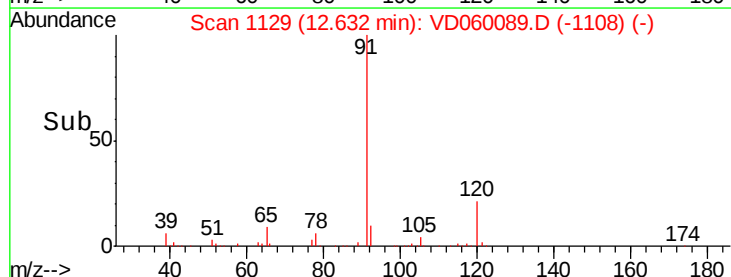
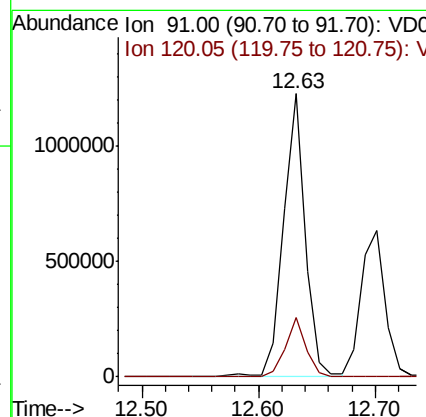
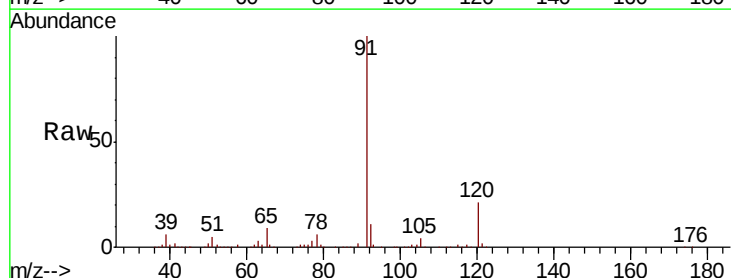
RT: 12.63 min Scan# 1129

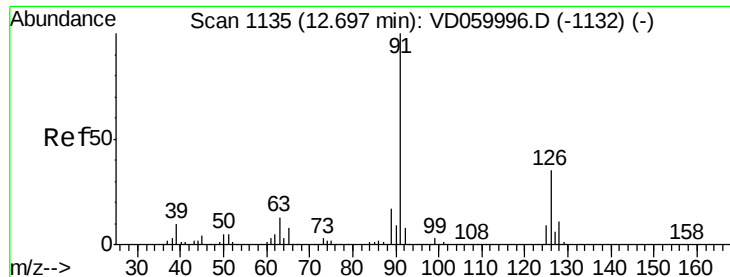
Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	91	Resp:	1580741
Ion Ratio	Lower	Upper	
91	100		
120	21.0	10.7	31.9





#79

2-Chlorotoluene

Concen: 21.073 ug/l

RT: 12.70 min Scan# 1136

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 91 Resp: 904573

Ion Ratio Lower Upper

91 100

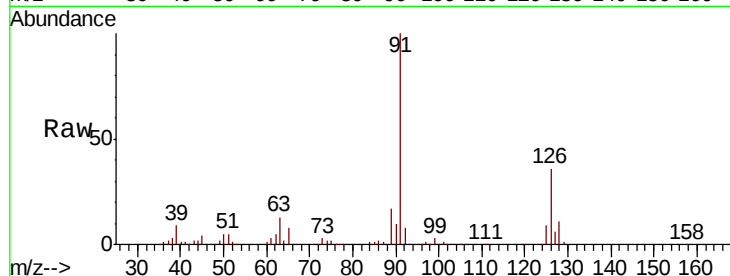
126 35.5 17.3 52.0

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Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V

12.70

600000

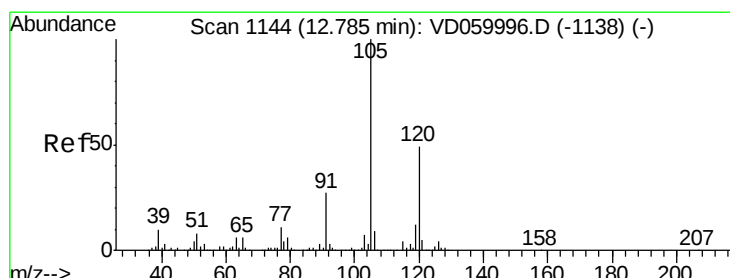
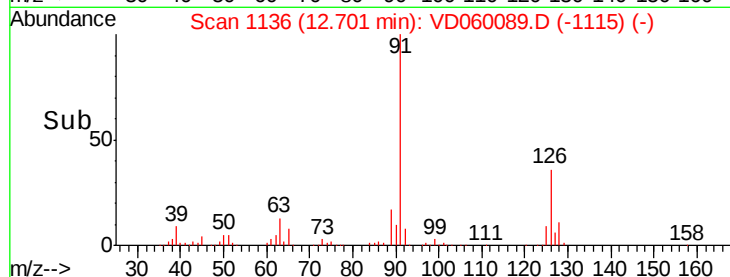
400000

200000

0

12.65 12.70 12.75

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 22.982 ug/l

RT: 12.79 min Scan# 1145

Delta R.T. 0.00 min

Lab File: VD060089.D

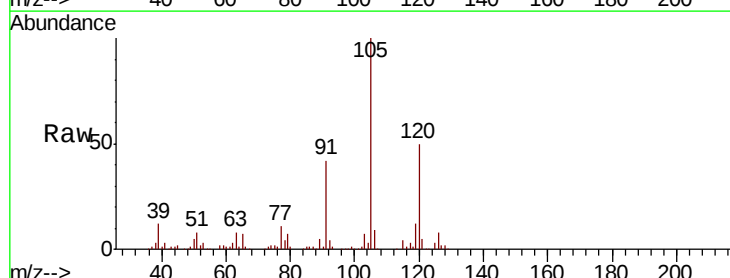
Acq: 25 Sep 2018 13:17

Tgt Ion:105 Resp: 1065347

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.2



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

12.79

800000

600000

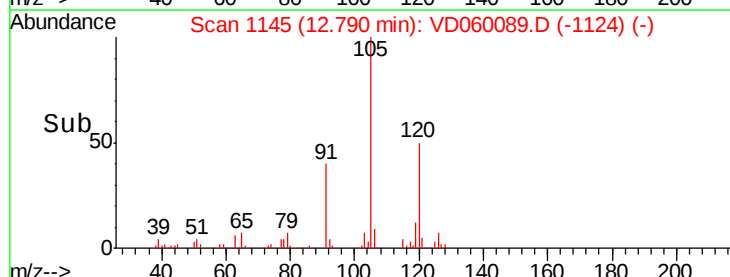
400000

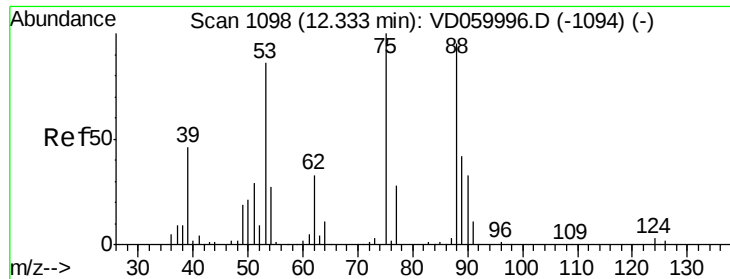
200000

0

12.70 12.80 12.90

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 18.346 ug/l

RT: 12.34 min Scan# 1099

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion: 75 Resp: 77993

Ion Ratio Lower Upper

75 100

53 87.1 68.4 102.6

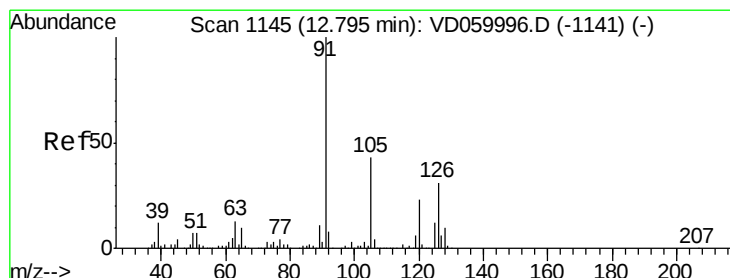
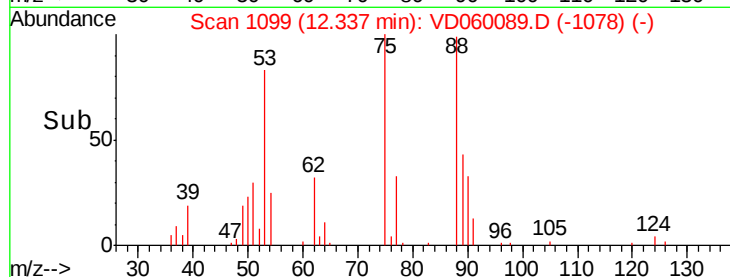
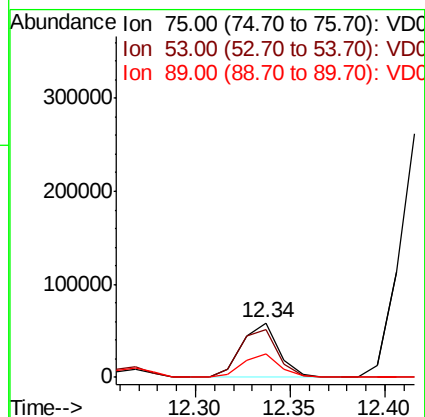
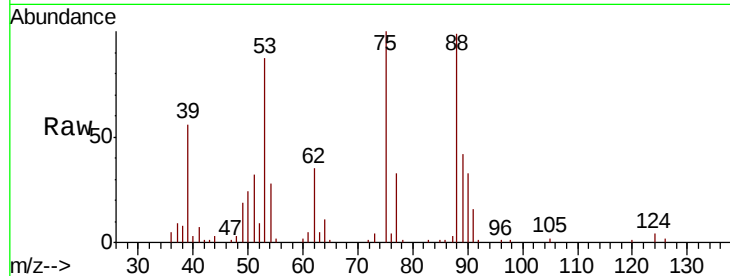
89 42.2 33.8 50.6

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#82

4-Chlorotoluene

Concen: 22.801 ug/l

RT: 12.80 min Scan# 1146

Delta R.T. 0.00 min

Lab File: VD060089.D

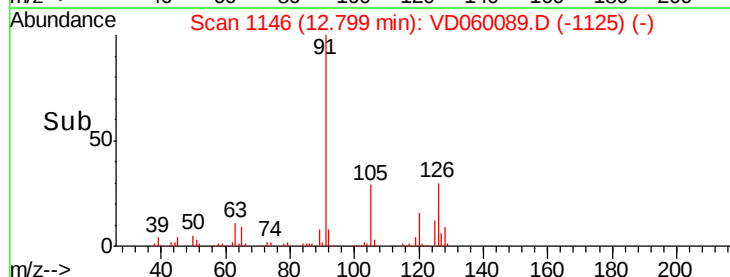
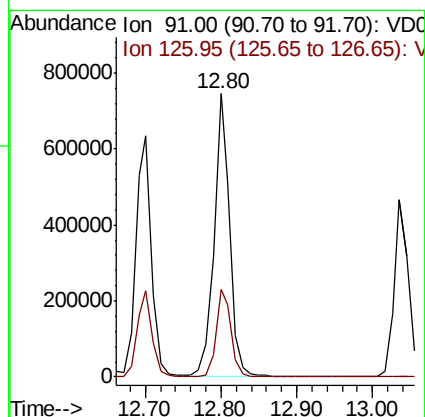
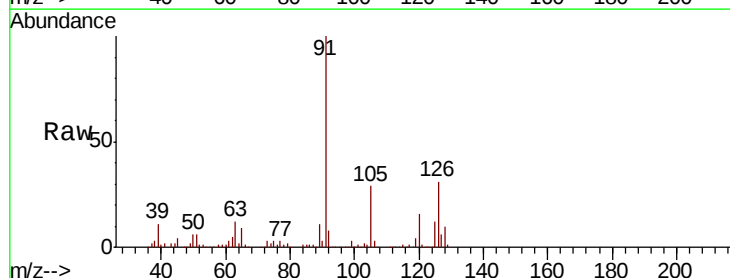
Acq: 25 Sep 2018 13:17

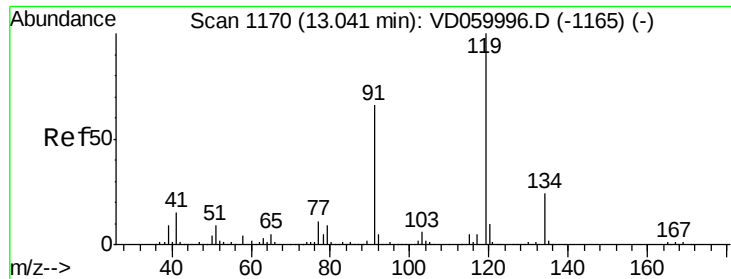
Tgt Ion: 91 Resp: 1076044

Ion Ratio Lower Upper

91 100

126 30.8 15.4 46.1





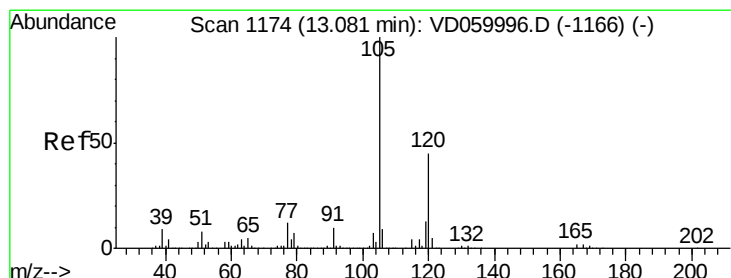
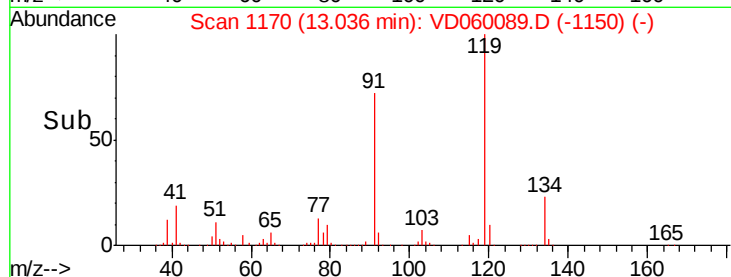
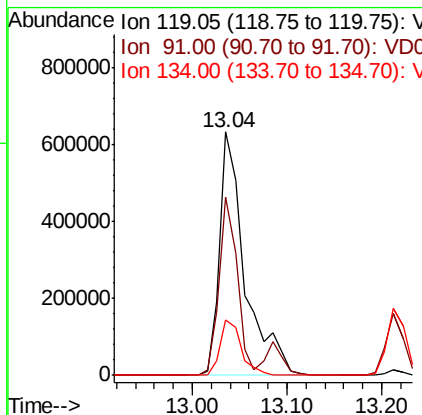
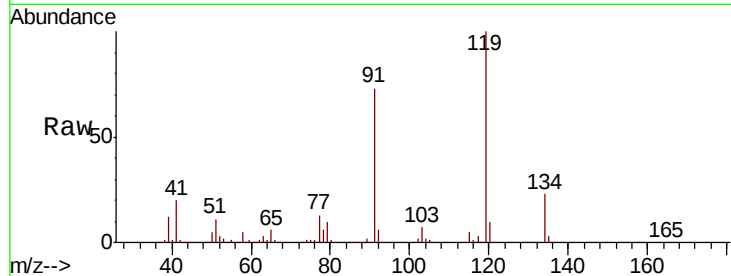
#83
 tert-Butylbenzene
 Concen: 21.932 ug/l
 RT: 13.04 min Scan# 1170
 Delta R.T. -0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion:119 Resp: 1177772
 Ion Ratio Lower Upper
 119 100
 91 73.5 32.9 98.6
 134 22.9 12.0 36.0

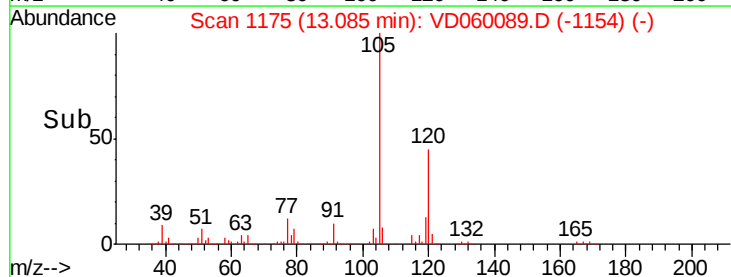
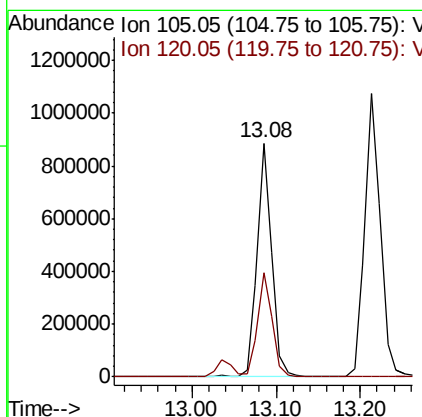
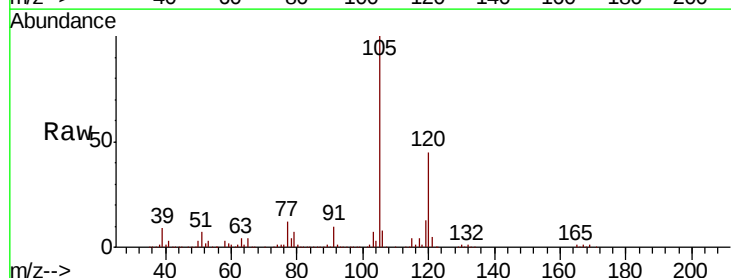
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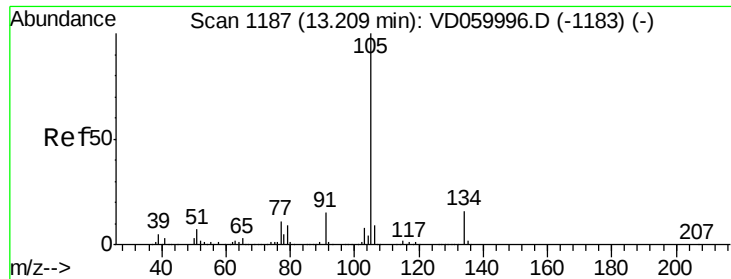
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#84
 1,2,4-Trimethylbenzene
 Concen: 22.191 ug/l
 RT: 13.08 min Scan# 1175
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion:105 Resp: 1097715
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.4 67.0





#85

sec-Butylbenzene

Concen: 21.737 ug/l

RT: 13.21 min Scan# 1188

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

ClientSampleId :

VD0925SBS01

Tot Ion:105 Resp: 1385655

Ion Ratio Lower Upper

105 100

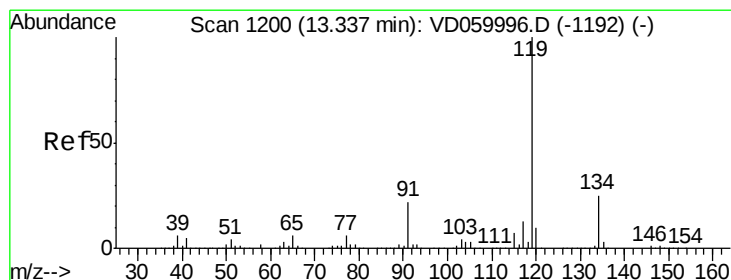
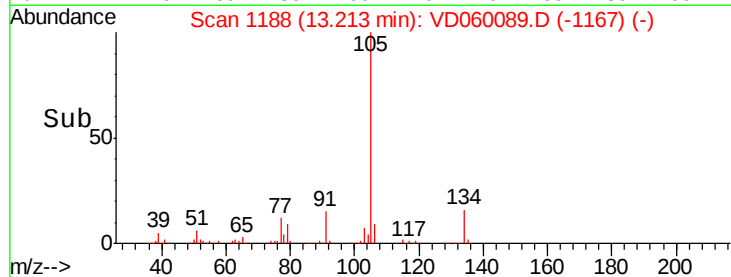
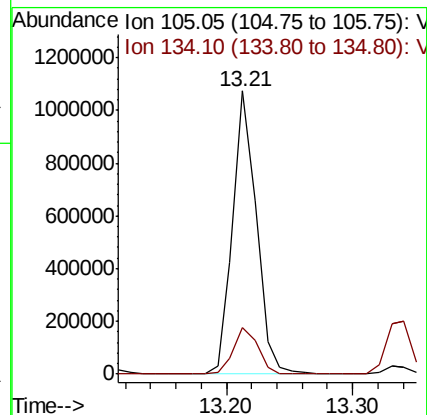
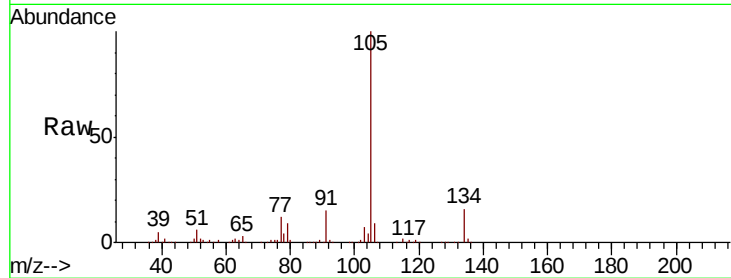
134 16.4 8.2 24.6

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#86

p-Isopropyltoluene

Concen: 22.437 ug/l

RT: 13.33 min Scan# 1200

Delta R.T. -0.01 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

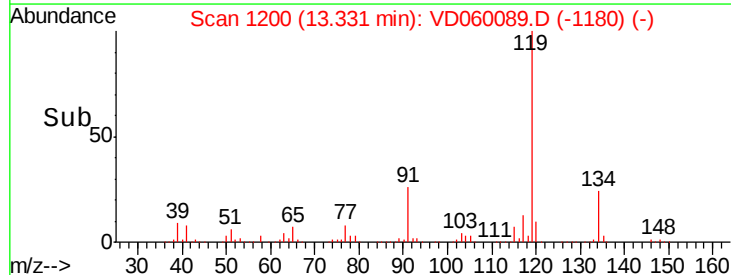
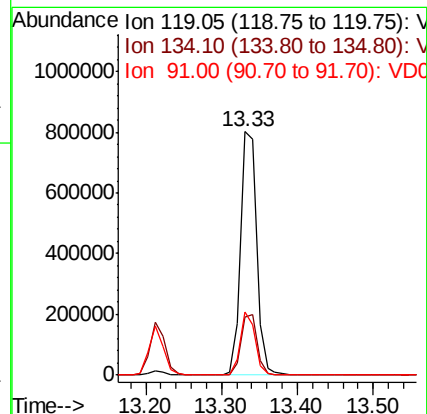
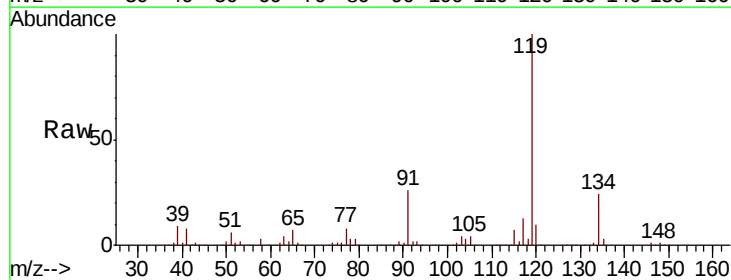
Tgt Ion:119 Resp: 1156838

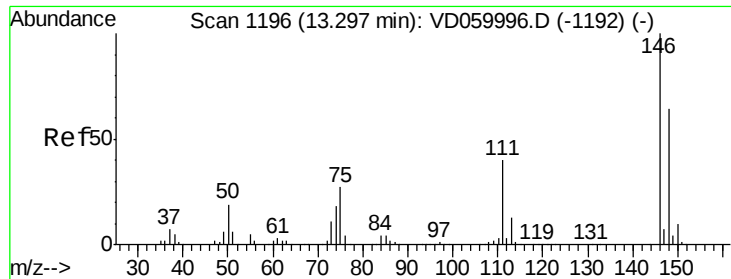
Ion Ratio Lower Upper

119 100

134 23.6 12.8 38.3

91 25.7 11.1 33.3





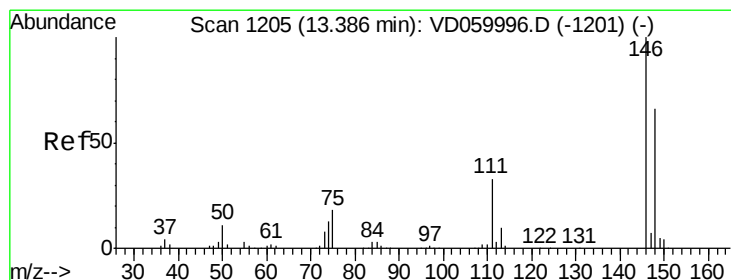
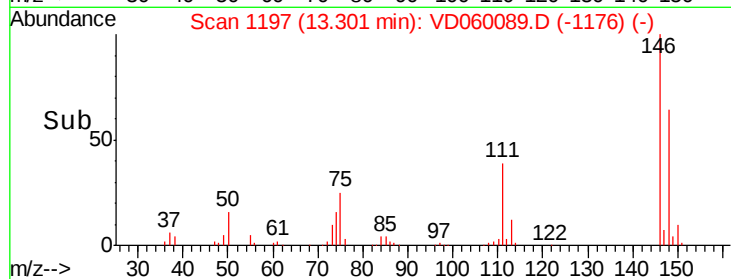
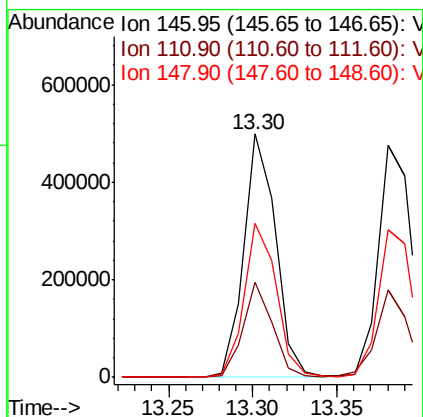
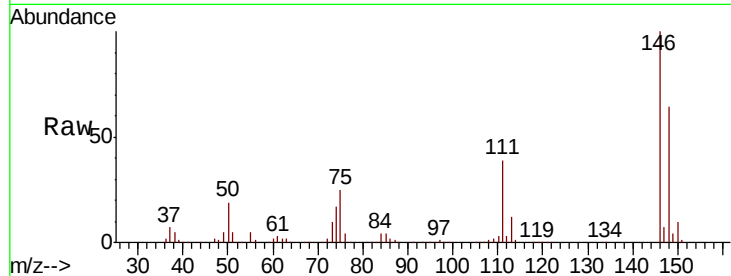
#87
 1,3-Dichlorobenzene
 Concen: 21.712 ug/l
 RT: 13.30 min Scan# 1197
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.2	20.2	60.5
148	63.5	32.0	96.2

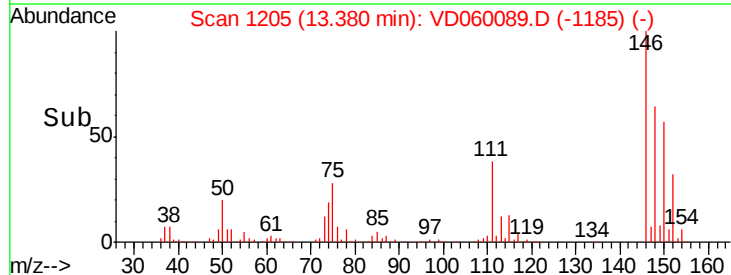
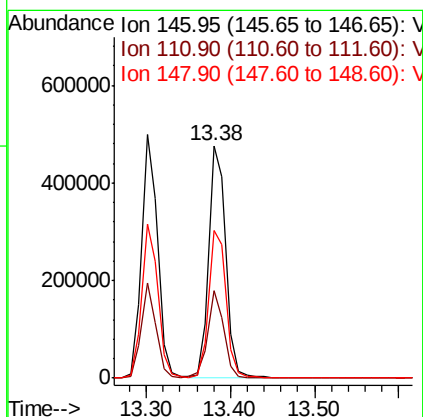
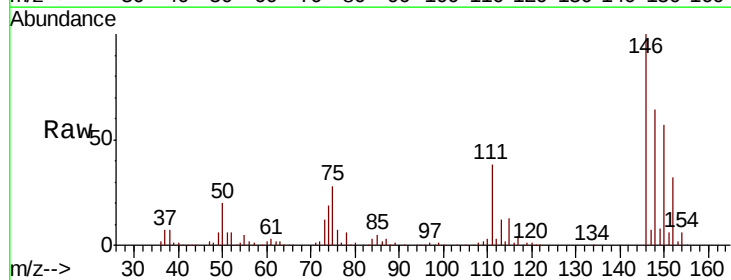
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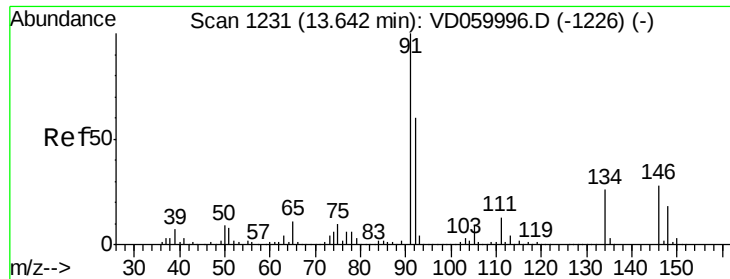
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#88
 1,4-Dichlorobenzene
 Concen: 21.703 ug/l
 RT: 13.38 min Scan# 1205
 Delta R.T. -0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.7	16.7	50.0
148	63.6	32.9	98.6





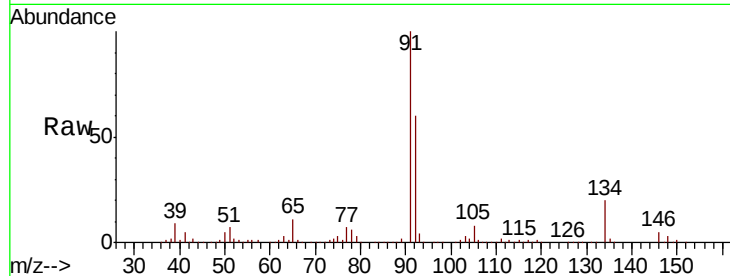
#89
n-Butylbenzene
Concen: 21.683 ug/l
RT: 13.64 min Scan# 1231
Delta R.T. -0.01 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Instrument :
MSVOA_D
ClientSampleId :
VD0925SBS01

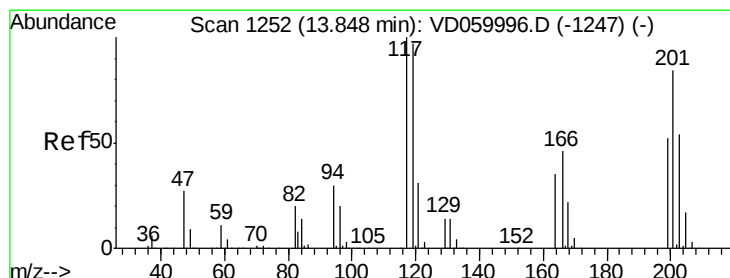
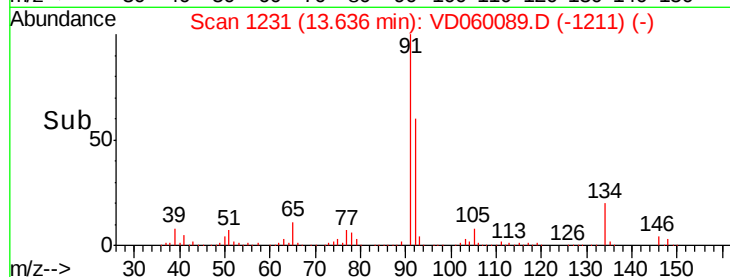
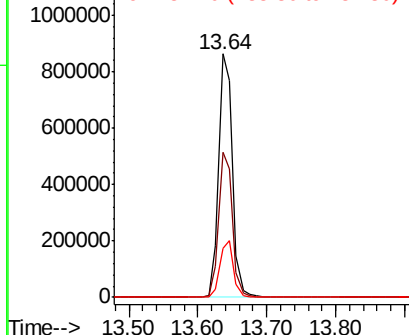
Tot Ion: 91 Resp: 1198428
Ion Ratio Lower Upper
91 100
92 59.7 29.8 89.3
134 20.3 13.2 39.6

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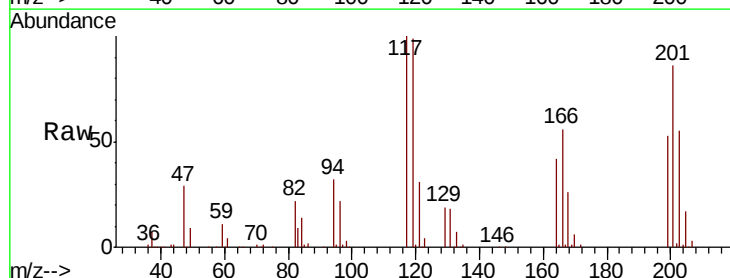


Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.10 (133.80 to 134.80): V

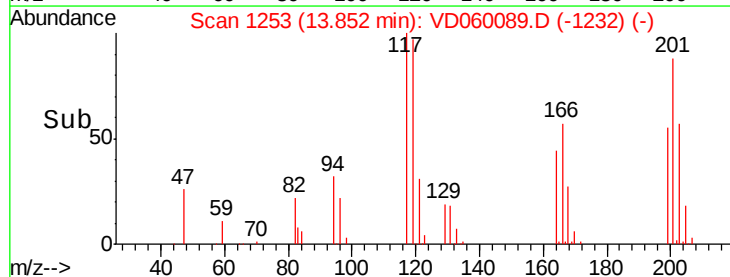
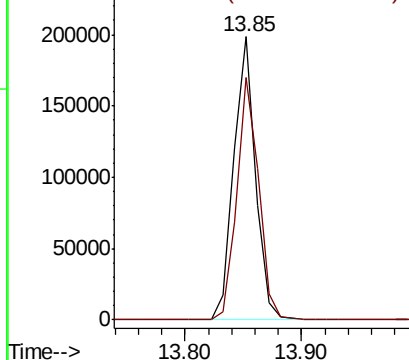


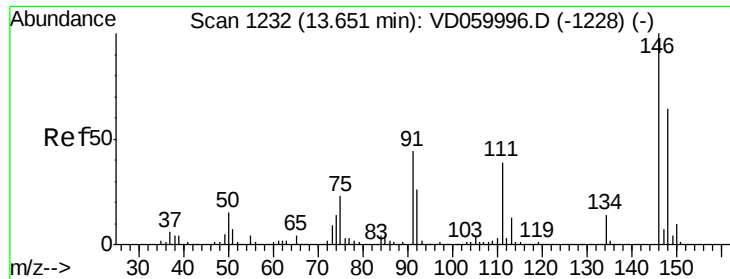
#90
Hexachloroethane
Concen: 20.141 ug/l
RT: 13.85 min Scan# 1253
Delta R.T. 0.00 min
Lab File: VD060089.D
Acq: 25 Sep 2018 13:17

Tgt Ion: 117 Resp: 257202
Ion Ratio Lower Upper
117 100
201 85.6 42.1 126.4



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





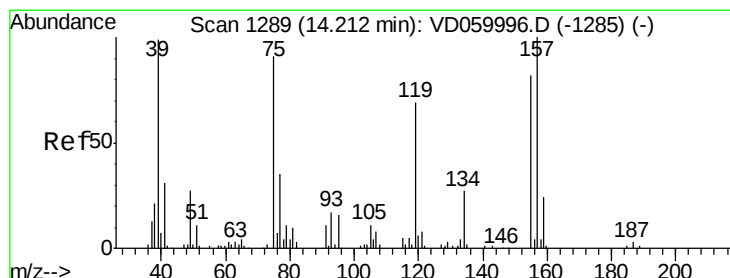
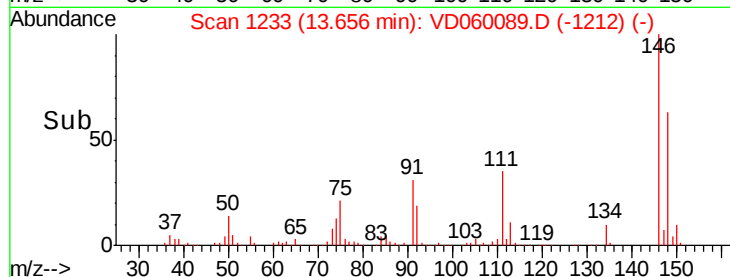
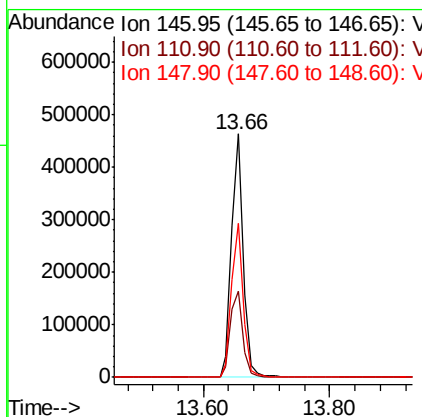
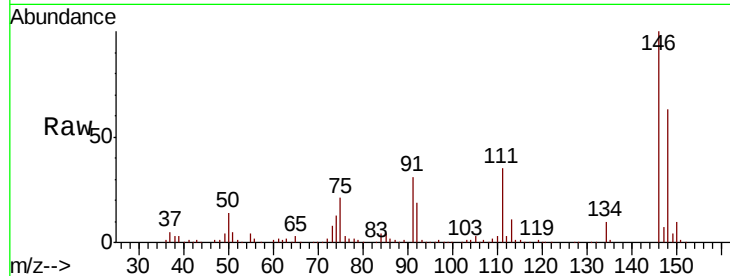
#91
 1,2-Dichlorobenzene
 Concen: 21.127 ug/l
 RT: 13.66 min Scan# 1233
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	589525		
111	35.2	19.6	58.7	
148	63.5	31.9	95.7	

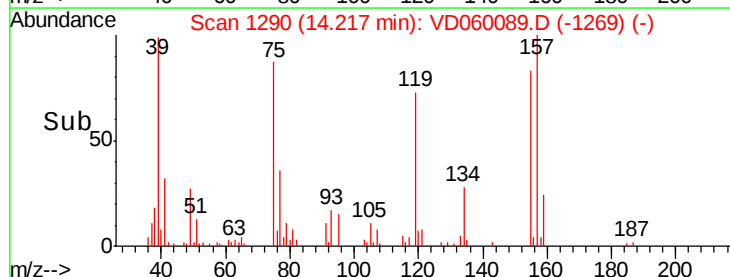
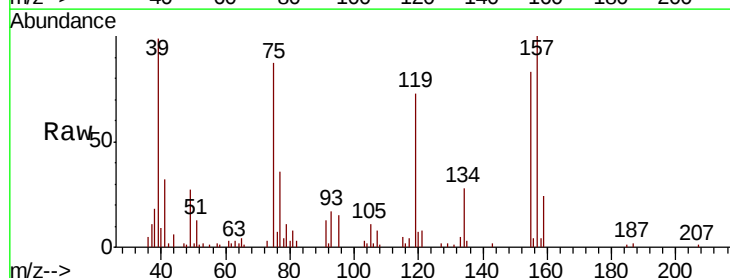
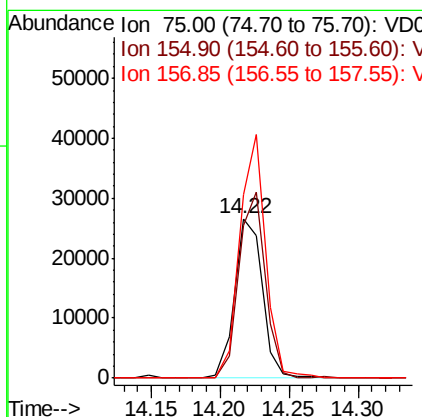
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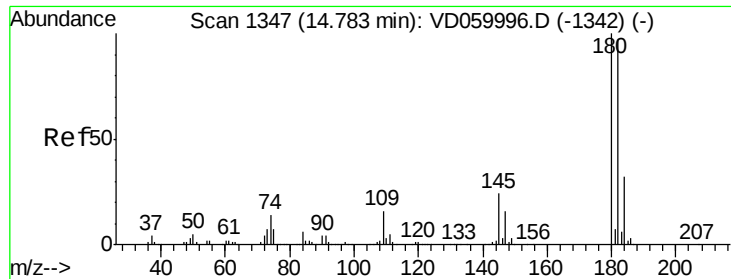
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.899 ug/l
 RT: 14.22 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	37436		
155	95.8	44.7	134.1	
157	114.9	54.7	164.1	





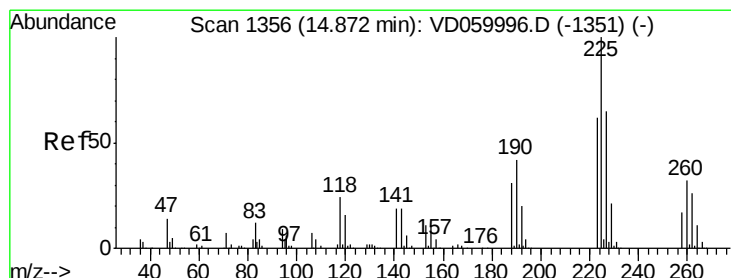
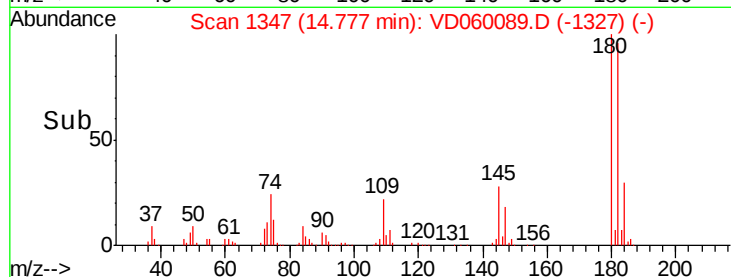
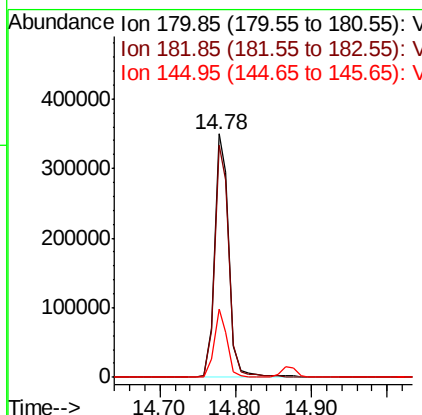
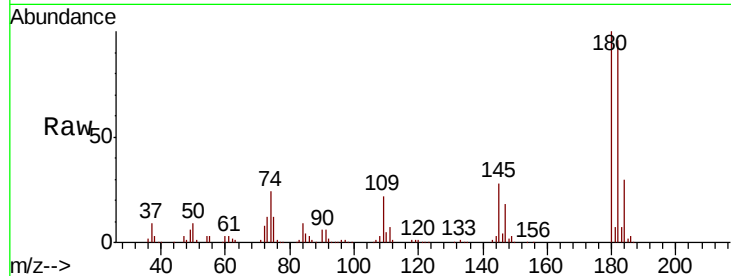
#93
 1,2,4-Trichlorobenzene
 Concen: 21.885 ug/l
 RT: 14.78 min Scan# 1347
 Delta R.T. -0.01 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0925SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	472473		
182	95.6	48.5	145.6	
145	27.9	11.9	35.7	

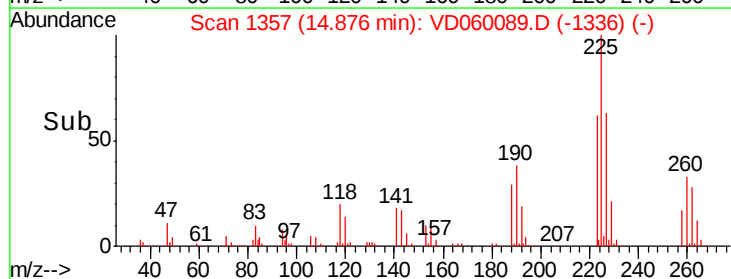
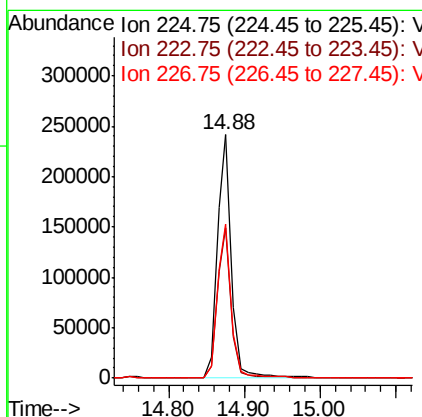
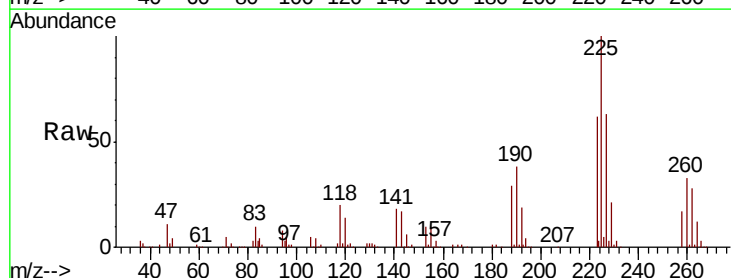
Manual Integrations
 APPROVED

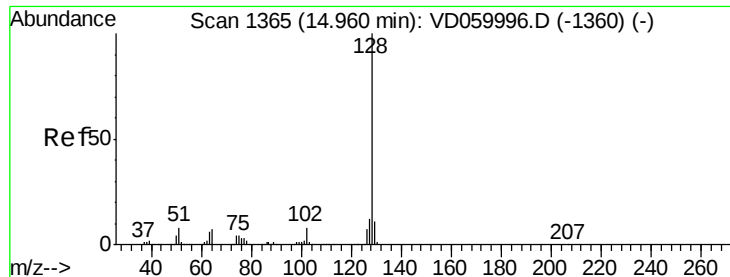
apatel
 9/26/2018 12:22:18 PM



#94
 Hexachlorobutadiene
 Concen: 22.171 ug/l
 RT: 14.88 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VD060089.D
 Acq: 25 Sep 2018 13:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	316616		
223	61.7	31.2	93.6	
227	63.5	32.3	96.8	





#95

Naphthalene

Concen: 20.137 ug/l

RT: 14.96 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Instrument :

MSVOA_D

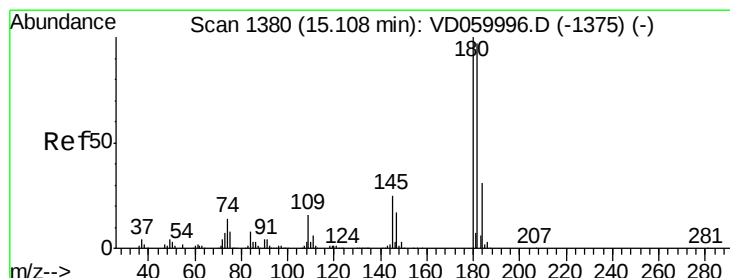
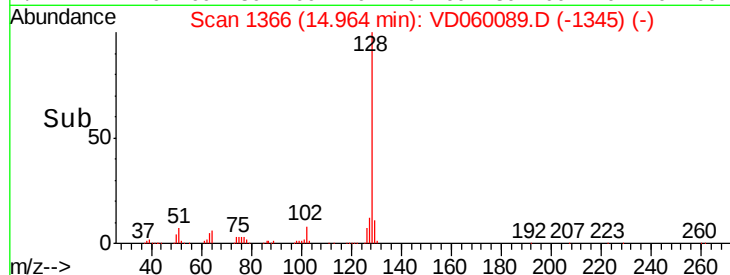
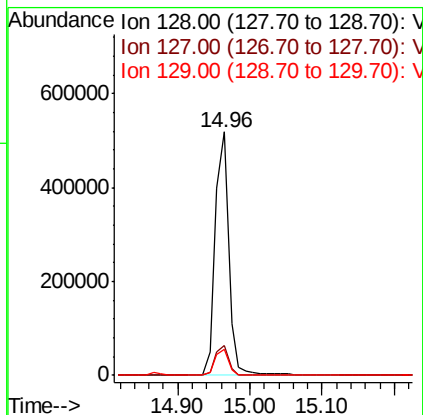
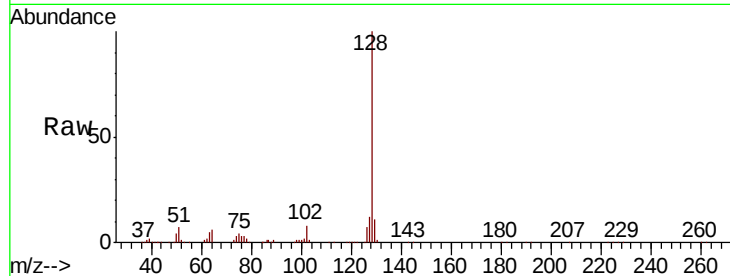
ClientSampleId :

VD0925SBS01

Tot Ion:	128	Resp:	671394
Ion Ratio	Lower	Upper	
128	100		
127	12.2	9.7	14.5
129	10.5	8.9	13.3

Manual Integrations
APPROVED

apatel
9/26/2018 12:22:18 PM



#96

1,2,3-Trichlorobenzene

Concen: 20.432 ug/l

RT: 15.11 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VD060089.D

Acq: 25 Sep 2018 13:17

Tgt Ion:	180	Resp:	388718
Ion Ratio	Lower	Upper	
180	100		
182	95.2	48.6	145.9
145	24.9	12.7	38.1

