

Data File : VD059856.D
Acq On : 21 Aug 2018 15:25
Operator : JC/SY
Sample : J4511-11MSD
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Quant Time: Aug 22 01:10:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	789385	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1130349	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	770716	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.89	152	256061	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	356382	56.41	ug/l	0.01
Spiked Amount	50.000		Recovery	=	112.82%	
35) Dibromofluoromethane	5.51	113	456295	54.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.16%	
50) Toluene-d8	8.68	98	1113270	49.38	ug/l	0.01
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.90	95	332822	38.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	76.94%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.32	85	388200	57.100	ug/l	98
3) Chloromethane	1.45	50	305621	53.062	ug/l	96
4) Vinyl Chloride	1.53	62	260177	56.366	ug/l	98
5) Bromomethane	1.77	94	48450	79.875	ug/l	95
6) Chloroethane	1.86	64	78367	75.040	ug/l	96
7) Trichlorofluoromethane	2.05	101	282883	60.875	ug/l	99
8) Diethyl Ether	2.31	74	64935	62.515	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	2.53	101	167426	56.651	ug/l	95
10) Methyl Iodide	2.65	142	186225	54.594	ug/l	96
11) Tert butyl alcohol	3.21	59	82633	353.832	ug/l	96
12) 1,1-Dichloroethene	2.52	96	138008	67.860	ug/l	83
13) Acrolein	2.44	56	5416	23.620	ug/l	90
14) Allyl chloride	2.88	41	341347	55.231	ug/l	98
15) Acrylonitrile	3.31	53	321088	297.048	ug/l	98
16) Acetone	2.58	43	589387	556.612	ug/l	99
17) Carbon Disulfide	2.72	76	389906	49.900	ug/l	98
18) Methyl Acetate	2.90	43	336728	162.152	ug/l	98
19) Methyl tert-butyl Ether	3.36	73	837534	61.313	ug/l	100
20) Methylene Chloride	3.03	84	157382	61.667	ug/l	97
21) trans-1,2-Dichloroethene	3.34	96	334922	51.756	ug/l	98
22) Diisopropyl ether	4.02	45	1919203	60.792	ug/l #	87
23) Vinyl Acetate	3.97	43	3171919	187.035	ug/l	100
24) 1,1-Dichloroethane	3.92	63	797487	57.444	ug/l	99
25) 2-Butanone	4.79	43	1086986	339.615	ug/l	97
26) 2,2-Dichloropropane	4.75	77	592120	54.359	ug/l	99
27) cis-1,2-Dichloroethene	4.76	96	467381	56.564	ug/l	98
28) Bromochloromethane	5.10	49	402749	57.251	ug/l	94
29) Tetrahydrofuran	5.13	42	533031	328.915	ug/l	99
30) Chloroform	5.28	83	769471	56.161	ug/l	100
31) Cyclohexane	5.55	56	484420	41.433	ug/l	97
32) 1,1,1-Trichloroethane	5.47	97	627489	54.350	ug/l	97
36) 1,1-Dichloropropene	5.70	75	473369	49.380	ug/l	99
37) Ethyl Acetate	4.88	43	422921	59.514	ug/l	99
38) Carbon Tetrachloride	5.68	117	489752	51.188	ug/l	99

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	304744	29.721	ug/l	97
40) Benzene	5.97	78	1429760	57.567	ug/l	100
41) Methacrylonitrile	5.07	41	224931	61.786	ug/l	97
42) 1,2-Dichloroethane	6.09	62	492966	60.955	ug/l	99
43) Isopropyl Acetate	7.57	43	543762	55.323	ug/l	100
44) Trichloroethene	6.94	130	383122	51.867	ug/l	98
45) 1,2-Dichloropropane	7.31	63	423140	58.020	ug/l	99
46) Dibromomethane	7.43	93	272674	60.050	ug/l	90
47) Bromodichloromethane	7.70	83	570835	56.939	ug/l	100
48) Methyl methacrylate	7.47	41	356206	65.709	ug/l	98
49) 1,4-Dioxane	7.45	88	68602	1495.408	ug/l	95
51) 4-Methyl-2-Pentanone	8.56	43	2355965	358.529	ug/l	99
52) Toluene	8.76	92	826633	52.636	ug/l	100
53) t-1,3-Dichloropropene	9.15	75	499774	54.725	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	609502	55.728	ug/l	99
55) 1,1,2-Trichloroethane	9.42	97	334017	58.917	ug/l	97
56) Ethyl methacrylate	9.28	69	393178	60.144	ug/l	99
57) 1,3-Dichloropropane	9.63	76	480274	57.941	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	969742	278.856	ug/l	96
59) 2-Hexanone	9.75	43	1677349	345.335	ug/l	99
60) Dibromochloromethane	9.93	129	405604	55.561	ug/l	98
61) 1,2-Dibromoethane	10.05	107	348399	57.512	ug/l	98
64) Tetrachloroethene	9.47	164	285881	50.661	ug/l	99
65) Chlorobenzene	10.69	112	813277	54.713	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	332644	65.569	ug/l	99
67) Ethyl Benzene	10.83	91	1309911	54.889	ug/l	99
68) m/p-Xylenes	10.99	106	951105	107.688	ug/l	100
69) o-Xylene	11.38	106	481468	55.900	ug/l	95
70) Styrene	11.41	104	768953	51.270	ug/l	95
71) Bromoform	11.58	173	287507	63.064	ug/l #	98
73) Isopropylbenzene	11.75	105	1079940	61.887	ug/l	99
74) N-amyl acetate	11.62	43	516277	66.073	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	378607	92.047	ug/l	100
76) 1,2,3-Trichloropropane	12.09	75	382665	90.331	ug/l	100
77) Bromobenzene	12.02	156	332439	68.539	ug/l	83
78) n-propylbenzene	12.13	91	1189399	54.876	ug/l	99
79) 2-Chlorotoluene	12.19	91	704424	56.453	ug/l	94
80) 1,3,5-Trimethylbenzene	12.30	105	748038	60.956	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.83	75	116537	88.000	ug/l	91
82) 4-Chlorotoluene	12.31	91	758090	64.031	ug/l	91
83) tert-Butylbenzene	12.55	119	865095	62.846	ug/l	99
84) 1,2,4-Trimethylbenzene	12.60	105	805689	56.110	ug/l	99
85) sec-Butylbenzene	12.73	105	772669	42.323	ug/l	98
86) p-Isopropyltoluene	12.87	119	611526	42.701	ug/l	96
87) 1,3-Dichlorobenzene	12.82	146	406240	49.751	ug/l	99
88) 1,4-Dichlorobenzene	12.91	146	426627	52.711	ug/l	99
89) n-Butylbenzene	13.17	91	478101	33.432	ug/l	97
90) Hexachloroethane	13.38	117	167476	40.987	ug/l	90
91) 1,2-Dichlorobenzene	13.17	146	372640	63.421	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	13.75	75	46776	76.398	ug/l	88

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082118\
Quantitation Report (Not Reviewed)

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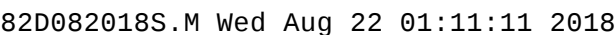
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

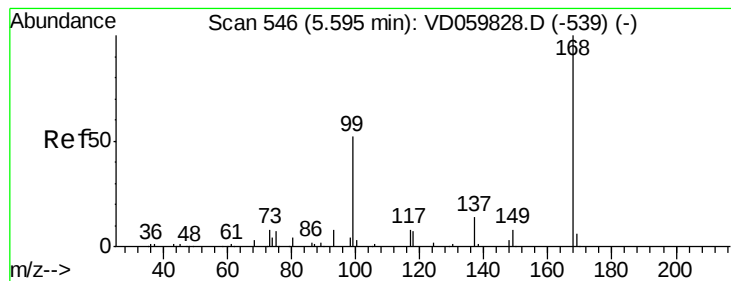
Quant Time: Aug 22 01:10:53 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.32	180	156120	26.630	ug/l	96
94) Hexachlorobutadiene	14.41	225	73698	18.686	ug/l	96
95) Naphthalene	14.49	128	421771	44.039	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	127371	24.791	ug/l	95

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

Quant Time: Aug 22 01:10:53 2018
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

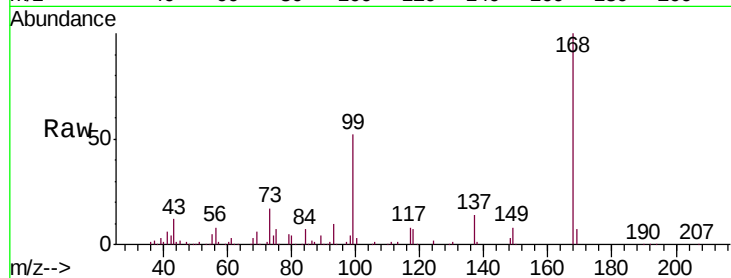
RA-081518-FL-031MSD

Tgt Ion:168 Resp: 789385

Ion Ratio Lower Upper

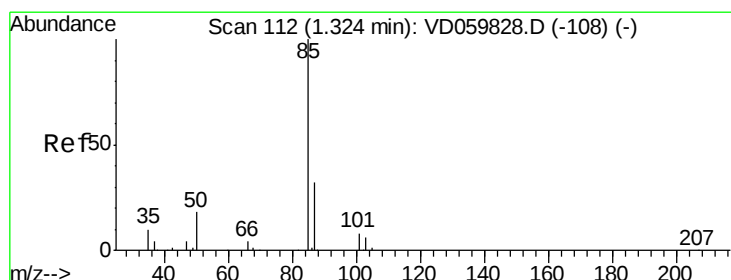
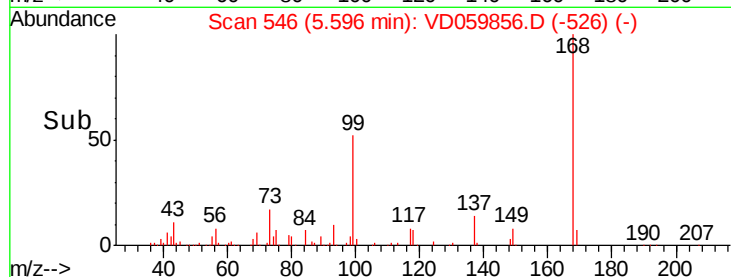
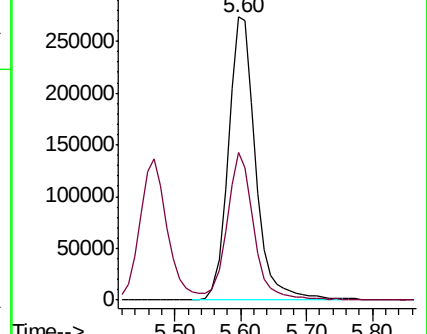
168 100

99 52.2 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 57.100 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD059856.D

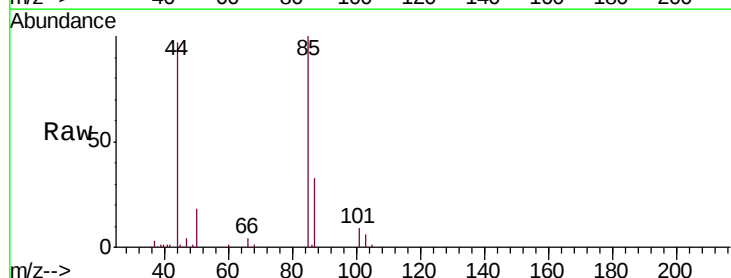
Acq: 21 Aug 2018 15:25

Tgt Ion: 85 Resp: 388200

Ion Ratio Lower Upper

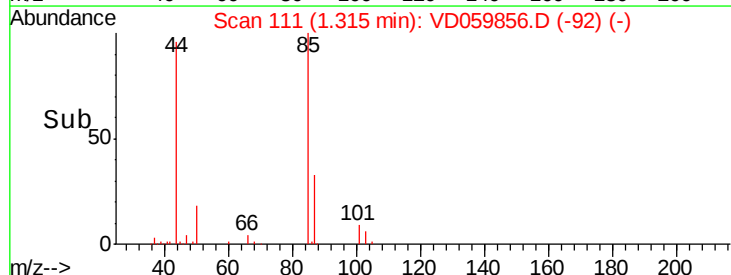
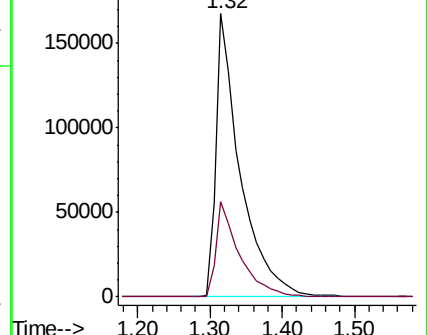
85 100

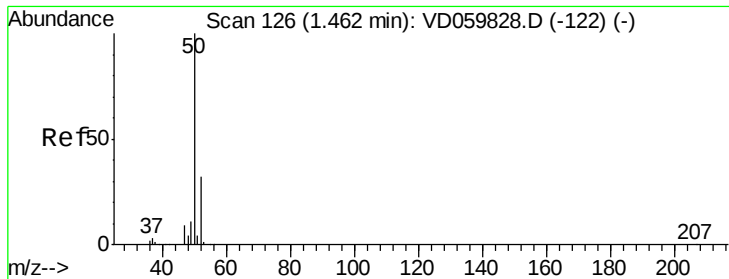
87 33.4 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 53.062 ug/l

RT: 1.45 min Scan# 125

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

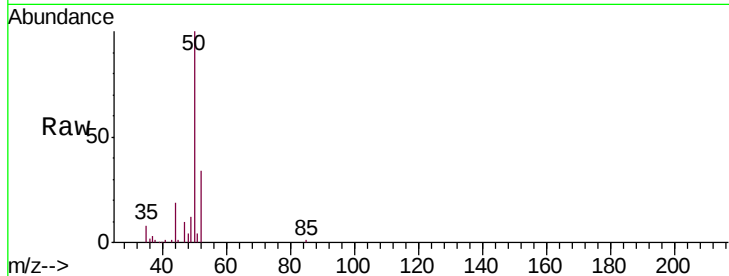
RA-081518-FL-031MSD

Tgt Ion: 50 Resp: 305621

Ion Ratio Lower Upper

50 100

52 34.0 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

1.45

120000

100000

80000

60000

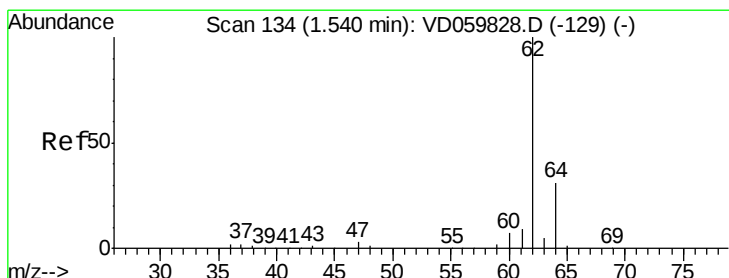
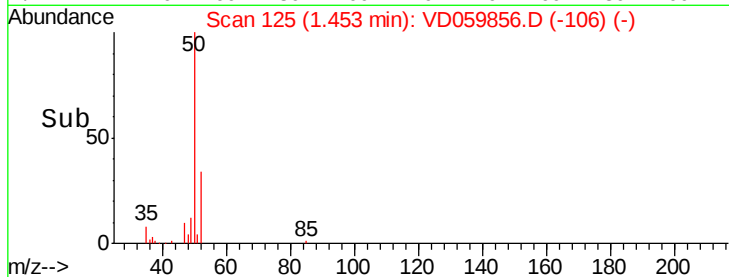
40000

20000

0

1.40 1.50 1.60

Time-->



#4

Vinyl Chloride

Concen: 56.366 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059856.D

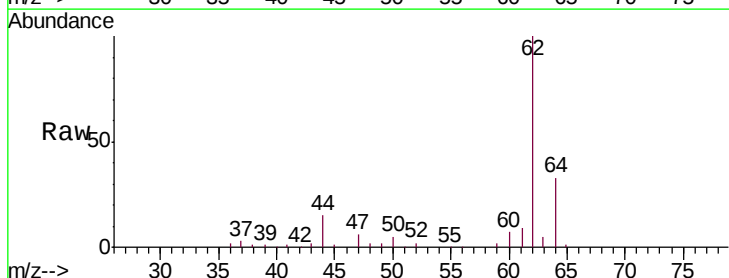
Acq: 21 Aug 2018 15:25

Tgt Ion: 62 Resp: 260177

Ion Ratio Lower Upper

62 100

64 32.6 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC

150000

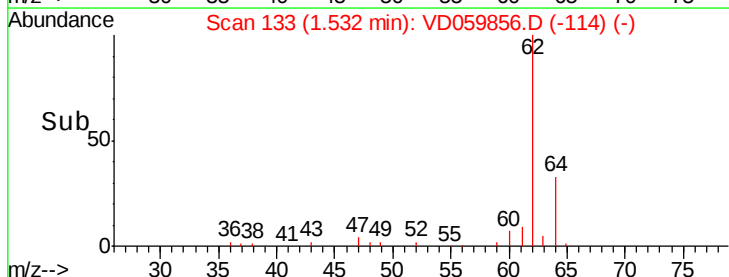
100000

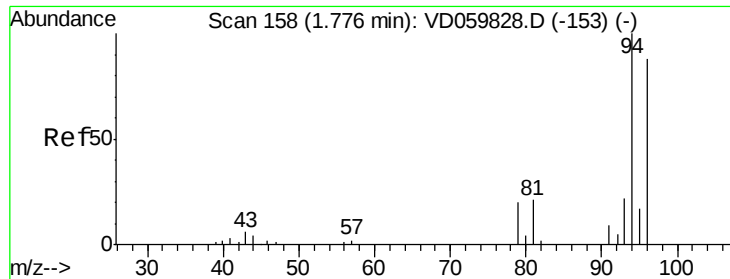
50000

0

1.40 1.50 1.60 1.70

Time-->





#5

Bromomethane

Concen: 79.875 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

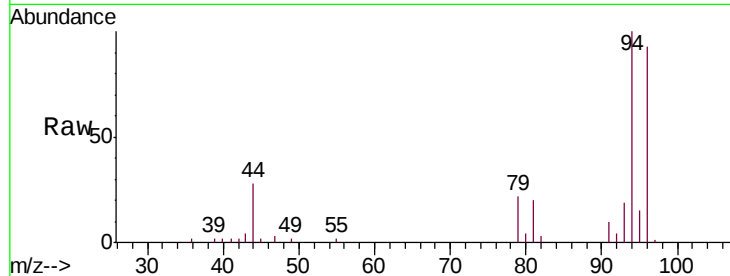
RA-081518-FL-031MSD

Tgt Ion: 94 Resp: 48450

Ion Ratio Lower Upper

94 100

96 93.4 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

1.77

25000

20000

15000

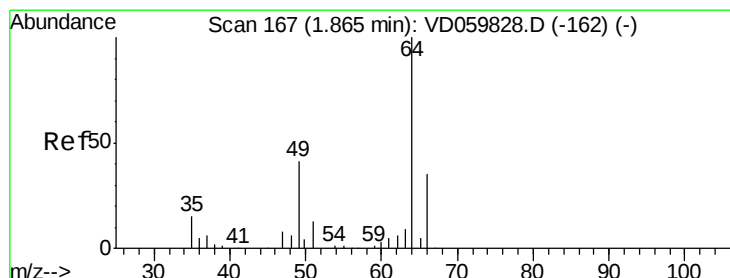
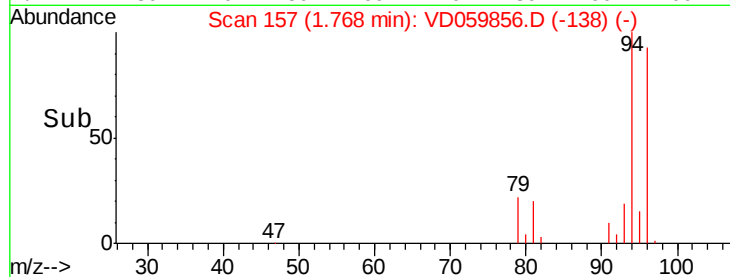
10000

5000

0

Time-->

1.70 1.80 1.90



#6

Chloroethane

Concen: 75.040 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.01 min

Lab File: VD059856.D

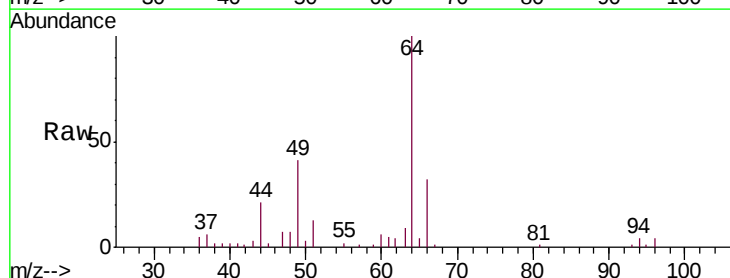
Acq: 21 Aug 2018 15:25

Tgt Ion: 64 Resp: 78367

Ion Ratio Lower Upper

64 100

66 32.4 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC

1.86

40000

30000

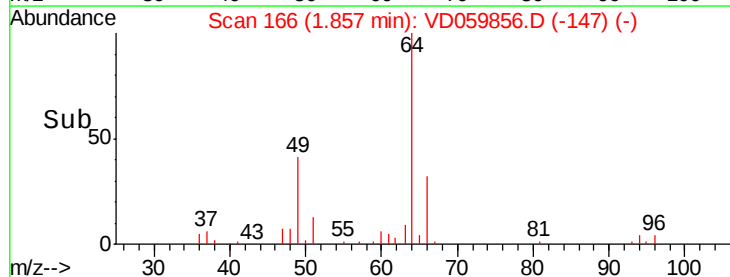
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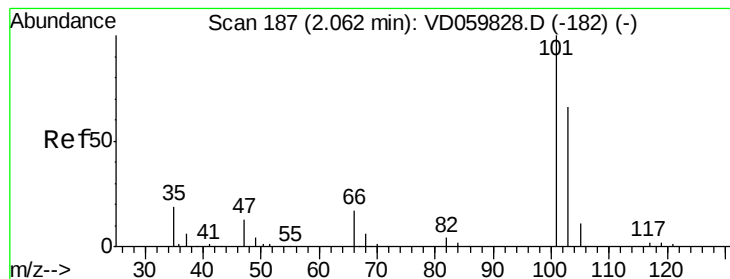
10000

0

Time-->

1.70 1.80 1.90 2.00 2.10



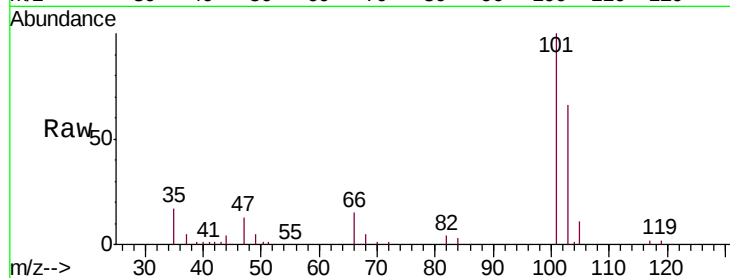


#7

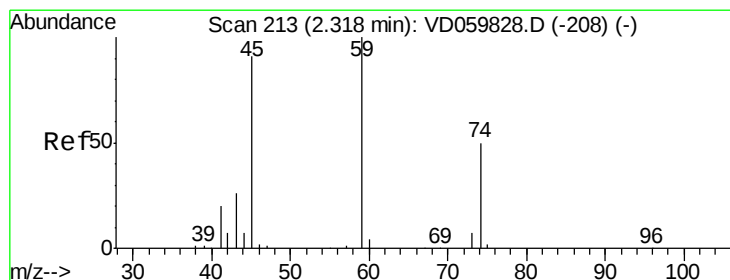
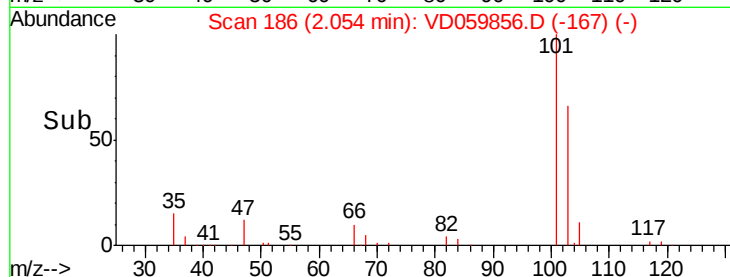
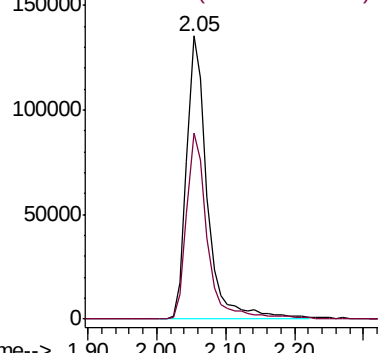
Trichlorofluoromethane
Concen: 60.875 ug/l
RT: 2.05 min Scan# 186
Delta R.T. -0.01 min
Lab File: VD059856.D
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RA-081518-FL-031MSD

Tgt Ion:101 Resp: 282883
Ion Ratio Lower Upper
101 100
103 65.6 53.0 79.4



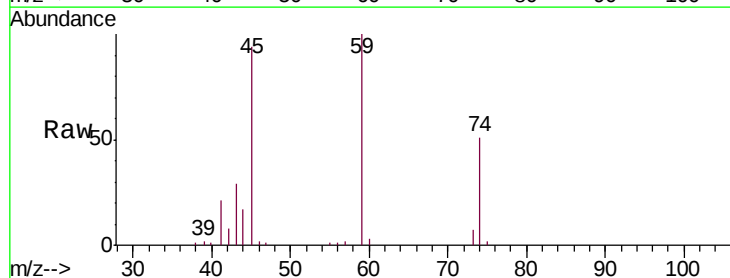
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



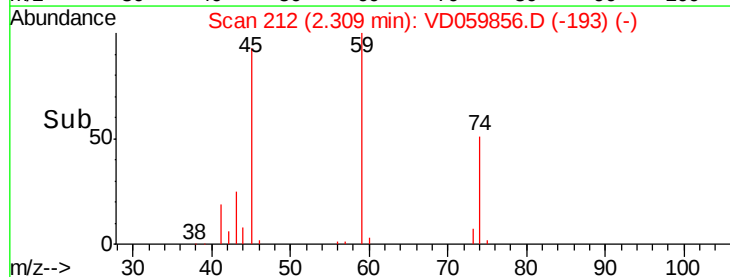
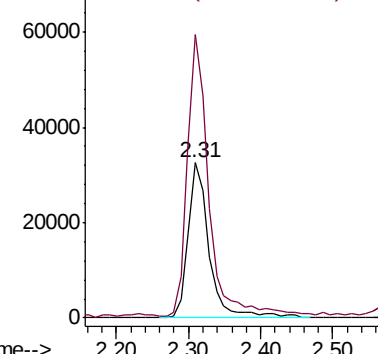
#8

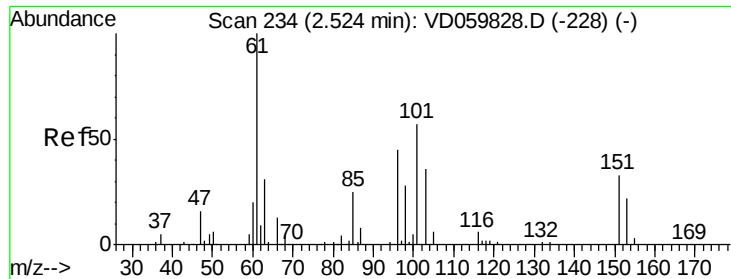
Diethyl Ether
Concen: 62.515 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 74 Resp: 64935
Ion Ratio Lower Upper
74 100
45 182.6 90.6 271.9



Abundance Ion 74.00 (73.70 to 74.70): VDC
Ion 45.05 (44.75 to 45.75): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 56.651 ug/l

RT: 2.53 min Scan# 234

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

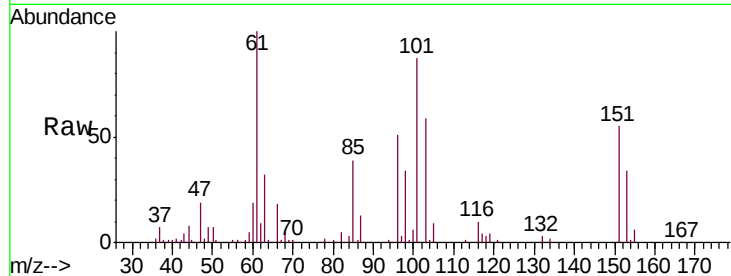
Tgt Ion:101 Resp: 167426

Ion Ratio Lower Upper

101 100

85 44.6 35.7 53.5

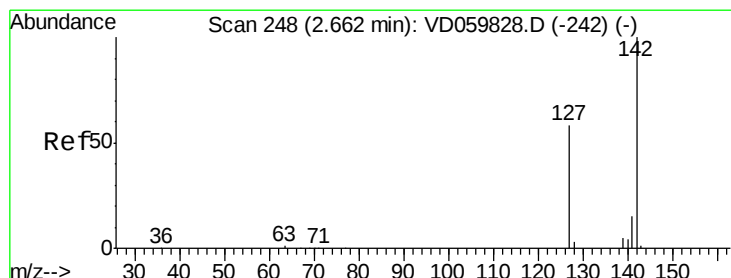
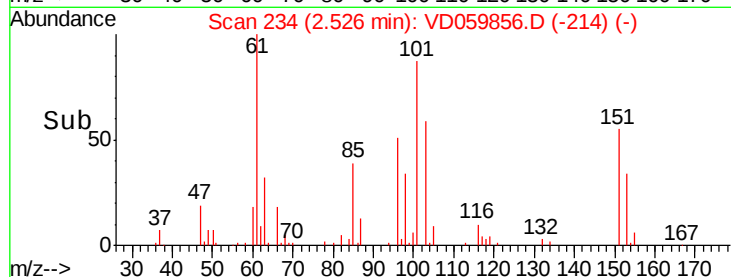
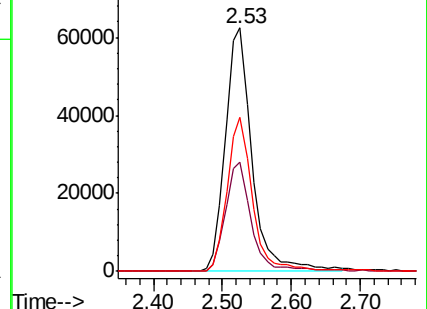
151 63.2 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 54.594 ug/l

RT: 2.65 min Scan# 247

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

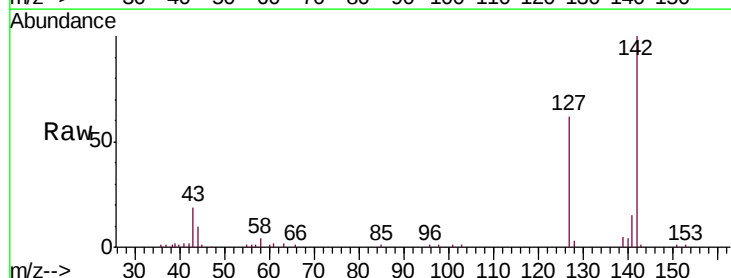
Tgt Ion:142 Resp: 186225

Ion Ratio Lower Upper

142 100

127 62.0 46.6 69.8

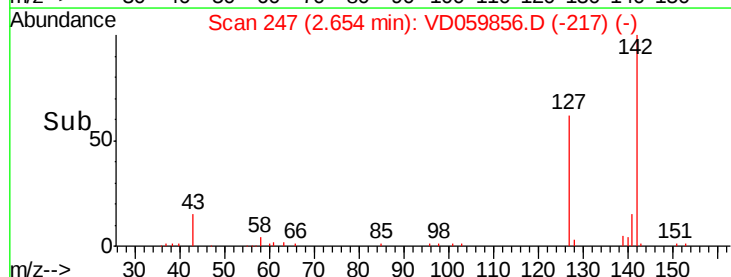
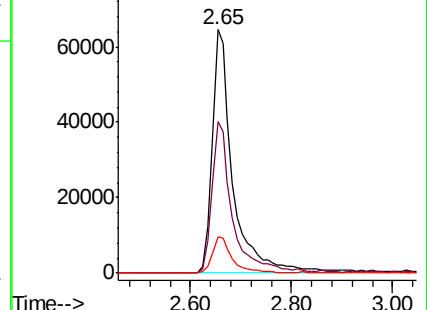
141 14.7 11.7 17.5

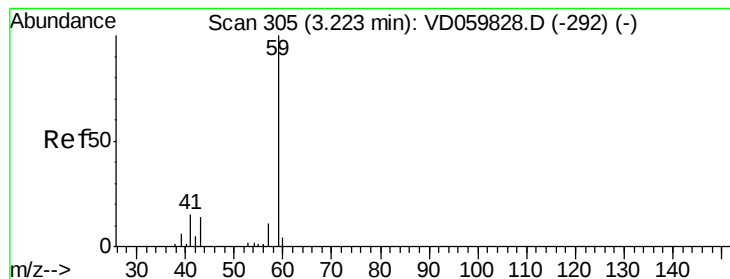


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



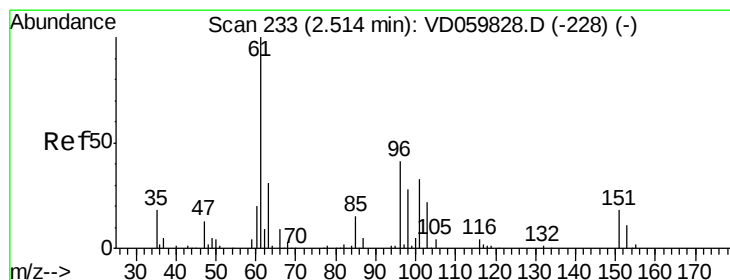
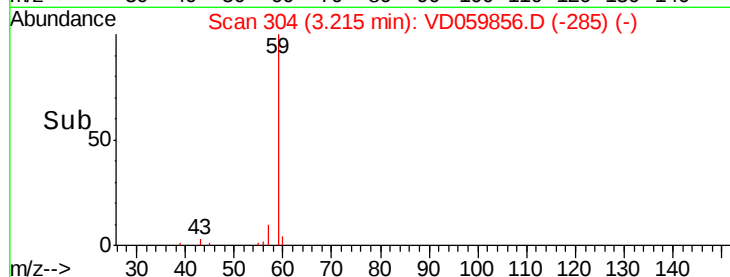
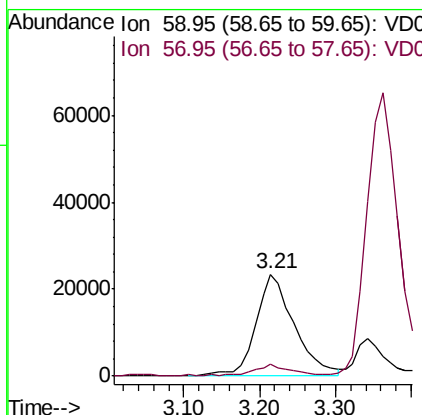
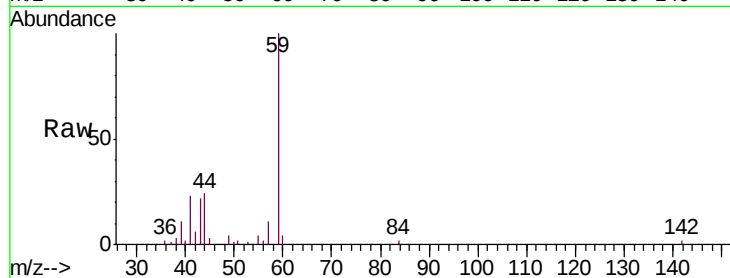


#11

Tert butyl alcohol
Concen: 353.832 ug/l
RT: 3.21 min Scan# 304
Delta R.T. -0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

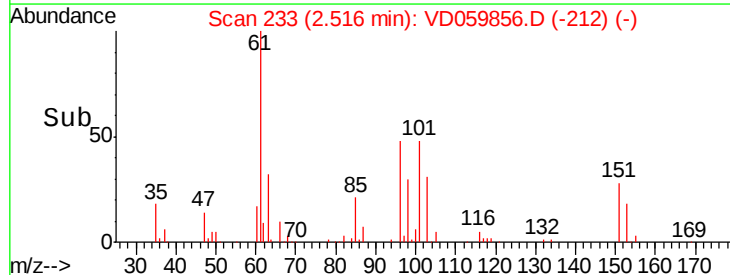
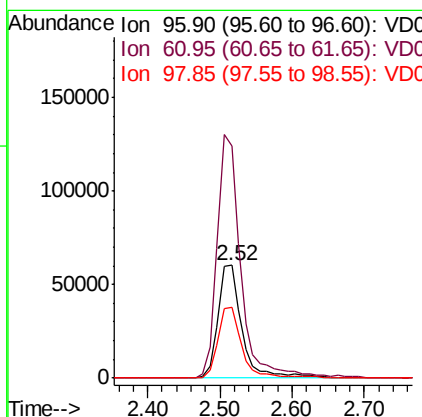
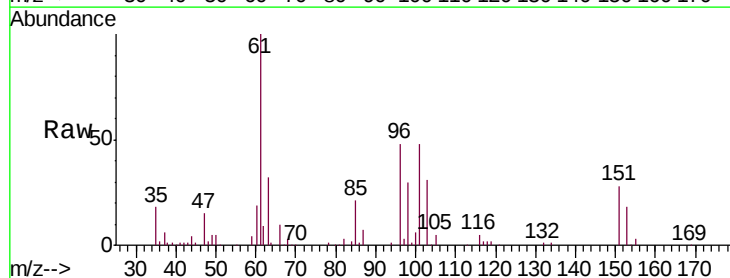
Tgt Ion: 59 Resp: 82633
Ion Ratio Lower Upper
59 100
57 11.4 10.3 15.5

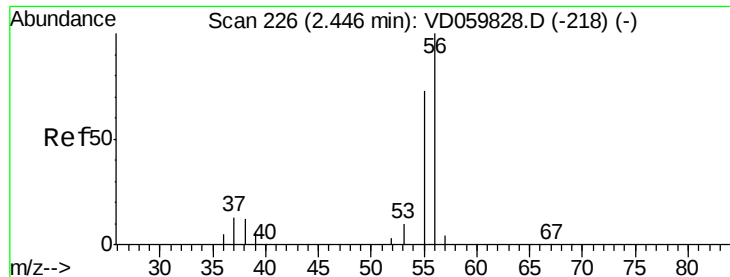


#12

1,1-Dichloroethene
Concen: 67.860 ug/l
RT: 2.52 min Scan# 233
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 96 Resp: 138008
Ion Ratio Lower Upper
96 100
61 206.8 194.0 291.0
98 63.0 53.4 80.0





#13

Acrolein

Concen: 23.620 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

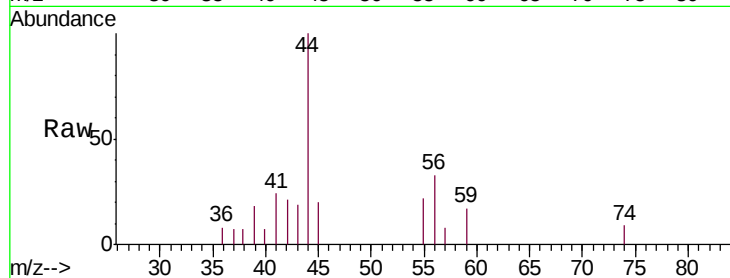
RA-081518-FL-031MSD

Tgt Ion: 56 Resp: 5416

Ion Ratio Lower Upper

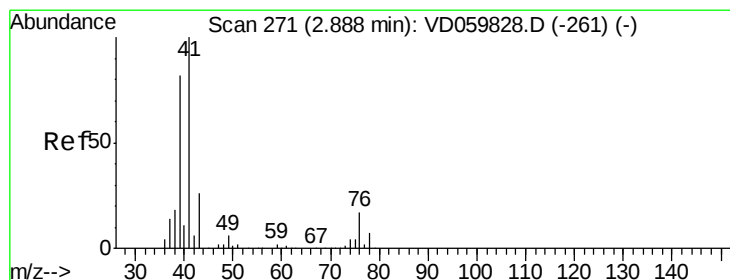
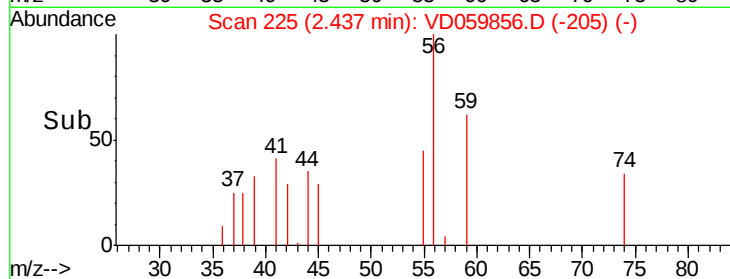
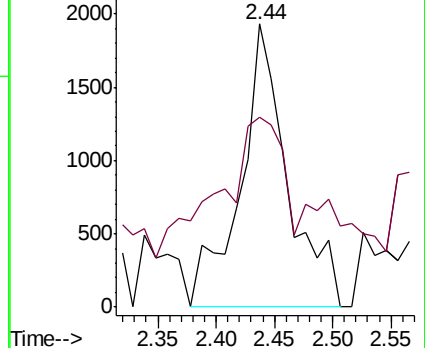
56 100

55 67.3 60.4 90.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 55.231 ug/l

RT: 2.88 min Scan# 270

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

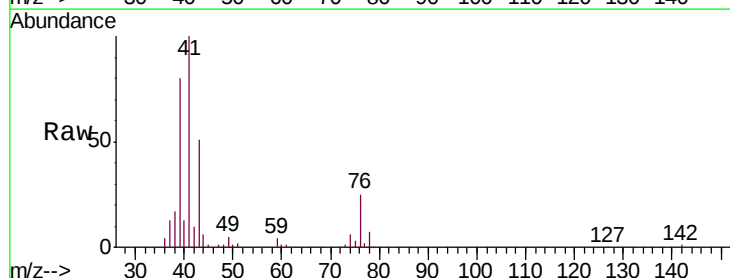
Tgt Ion: 41 Resp: 341347

Ion Ratio Lower Upper

41 100

39 80.3 65.9 98.9

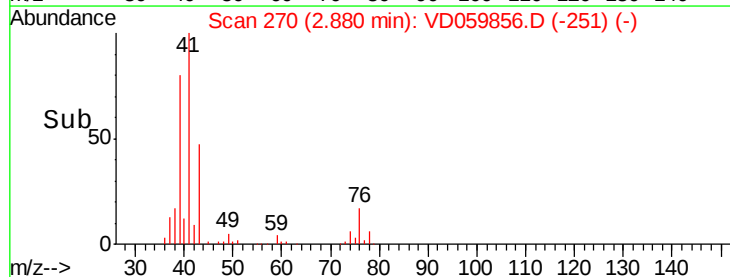
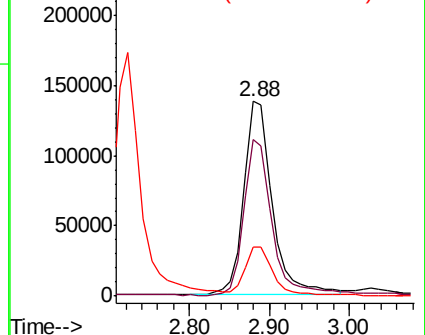
76 25.2 19.9 29.9

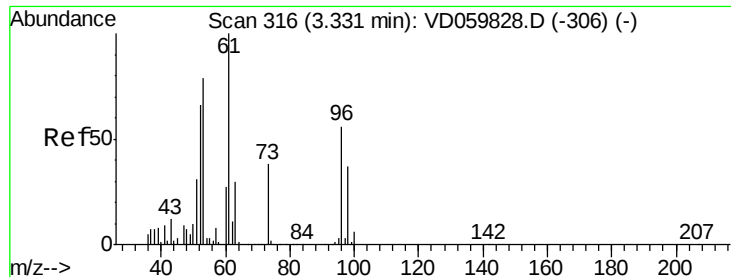


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 297.048 ug/l

RT: 3.31 min Scan# 314

Delta R.T. -0.02 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

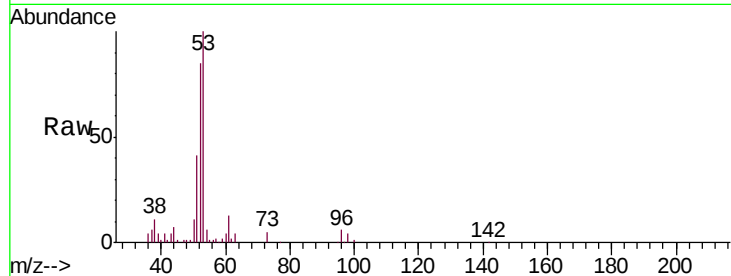
Tgt Ion: 53 Resp: 321088

Ion Ratio Lower Upper

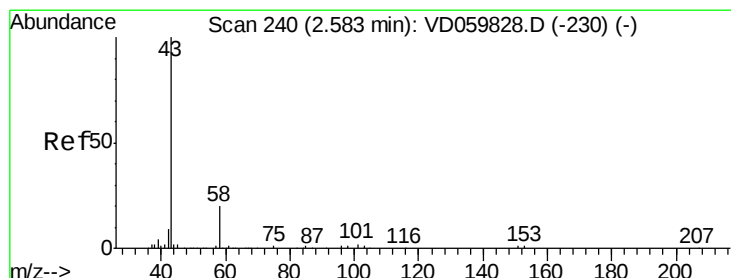
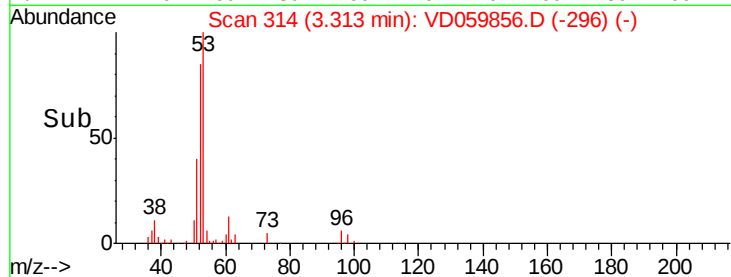
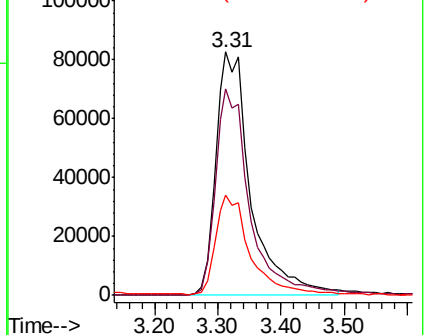
53 100

52 85.0 66.8 100.2

51 41.0 31.6 47.4



Abundance Ion 53.00 (52.70 to 53.70): VDC
Ion 52.00 (51.70 to 52.70): VDC
Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 556.612 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059856.D

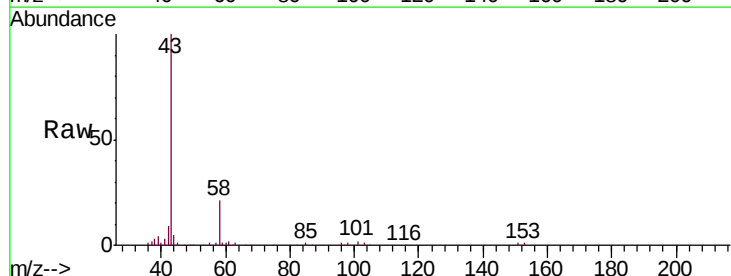
Acq: 21 Aug 2018 15:25

Tgt Ion: 43 Resp: 589387

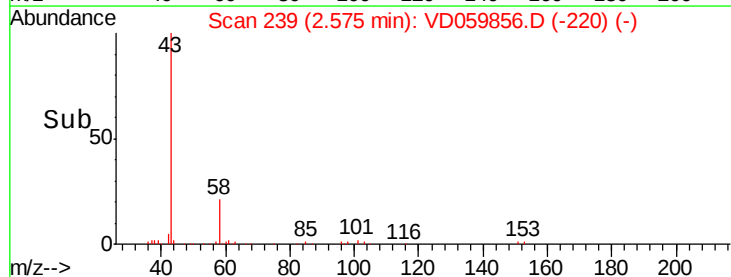
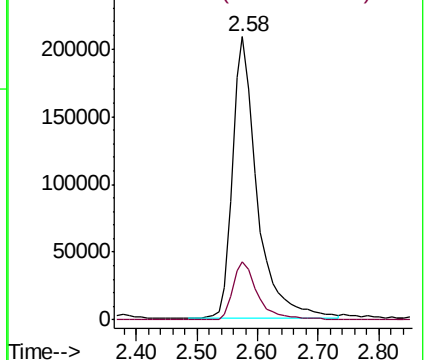
Ion Ratio Lower Upper

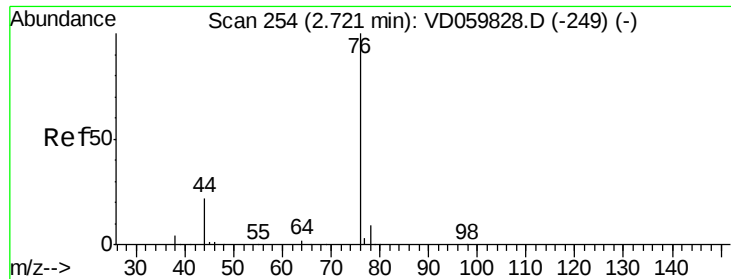
43 100

58 20.7 16.2 24.2



Abundance Ion 42.95 (42.65 to 43.65): VDC
Ion 57.95 (57.65 to 58.65): VDC

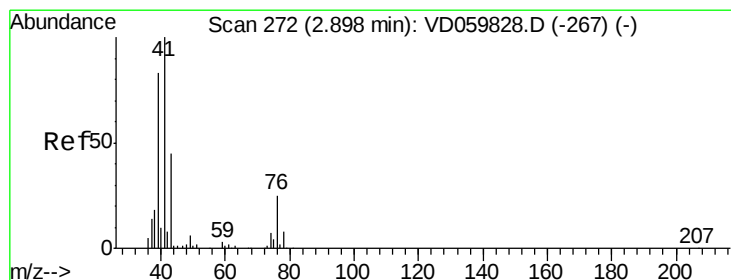
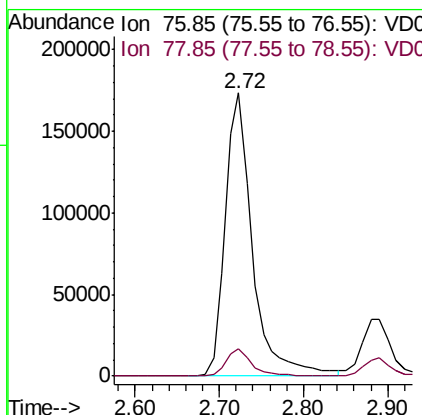
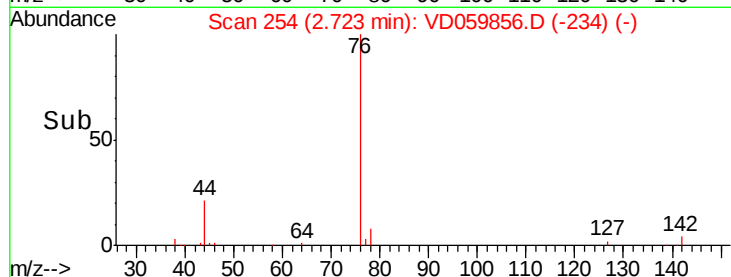
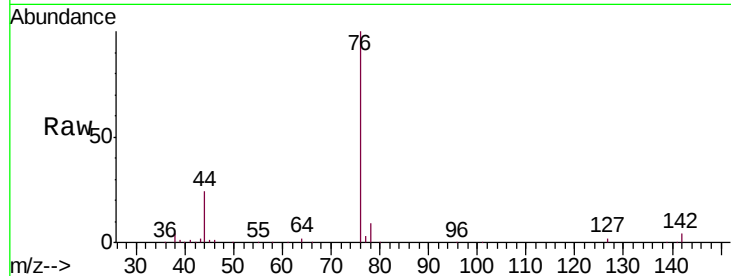




#17
Carbon Disulfide
Concen: 49.900 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

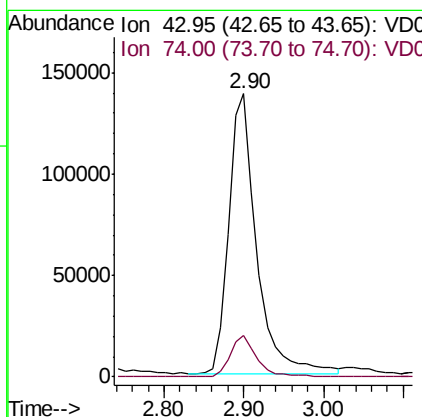
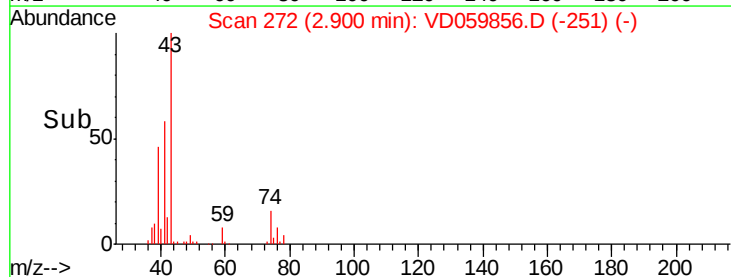
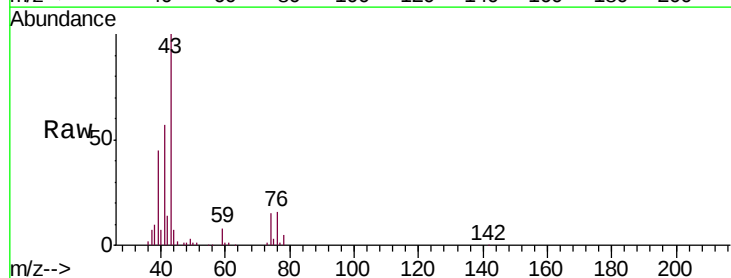
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

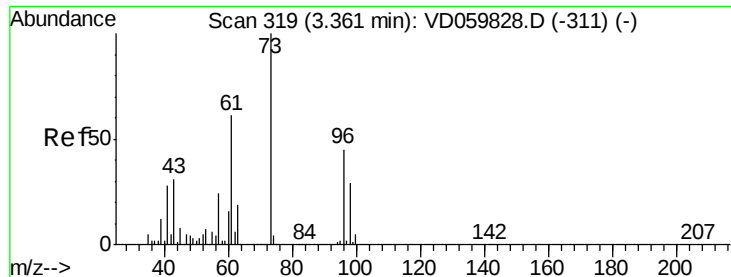
Tgt Ion: 76 Resp: 389906
Ion Ratio Lower Upper
76 100
78 9.5 7.0 10.6



#18
Methyl Acetate
Concen: 162.152 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 43 Resp: 336728
Ion Ratio Lower Upper
43 100
74 14.9 11.4 17.0



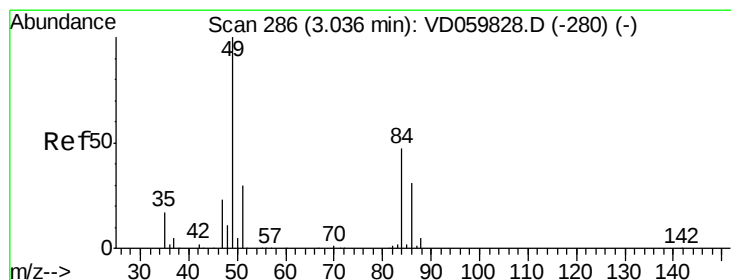
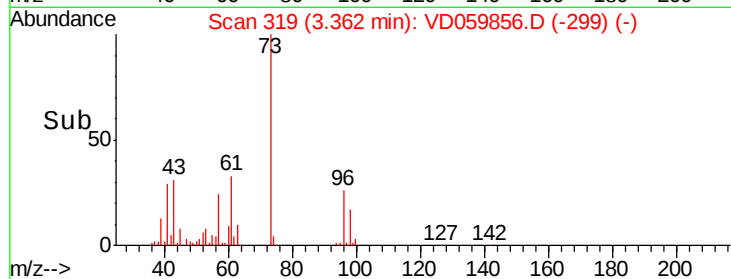
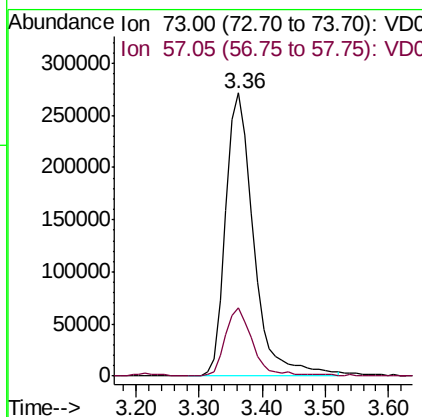
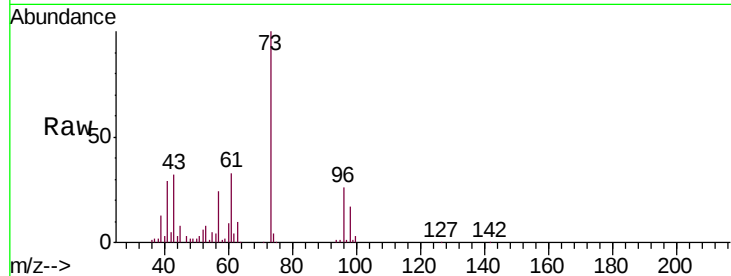


#19

Methyl tert-butyl Ether
 Concen: 61.313 ug/l
 RT: 3.36 min Scan# 319
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

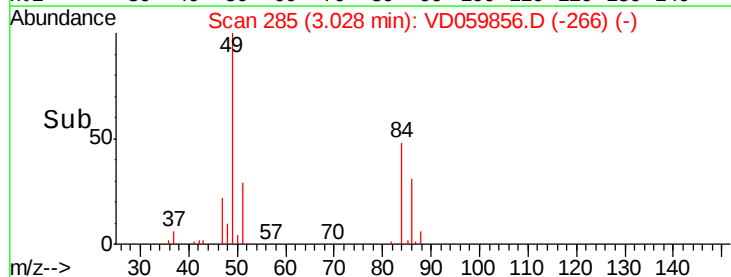
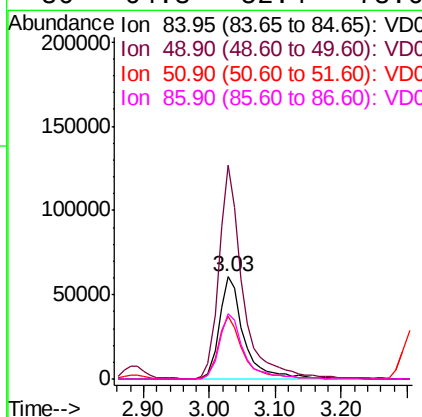
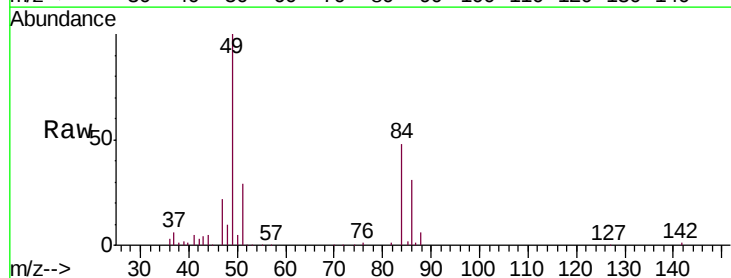
Tgt Ion: 73 Resp: 837534
 Ion Ratio Lower Upper
 73 100
 57 24.0 19.4 29.0

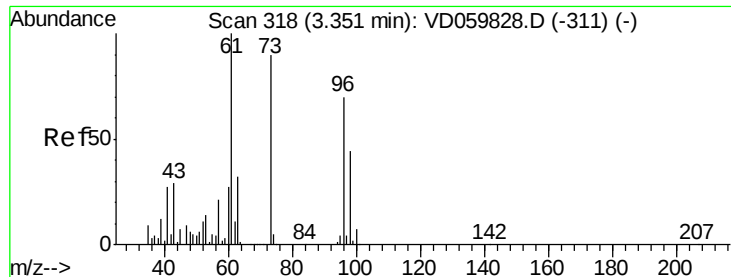


#20

Methylene Chloride
 Concen: 61.667 ug/l
 RT: 3.03 min Scan# 285
 Delta R.T. -0.01 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 84 Resp: 157382
 Ion Ratio Lower Upper
 84 100
 49 209.0 170.4 255.6
 51 61.5 51.4 77.0
 86 64.3 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 51.756 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

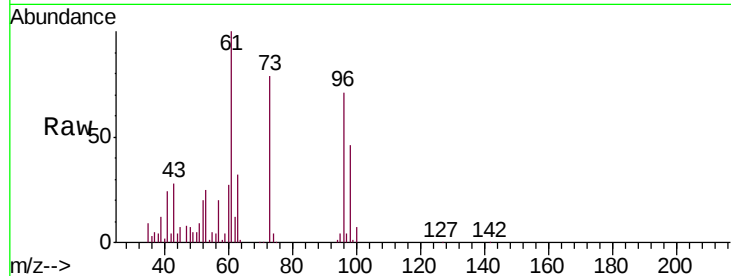
Tgt Ion: 96 Resp: 334922

Ion Ratio Lower Upper

96 100

61 140.1 114.1 171.1

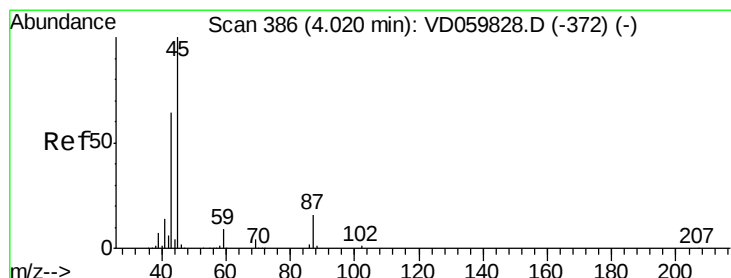
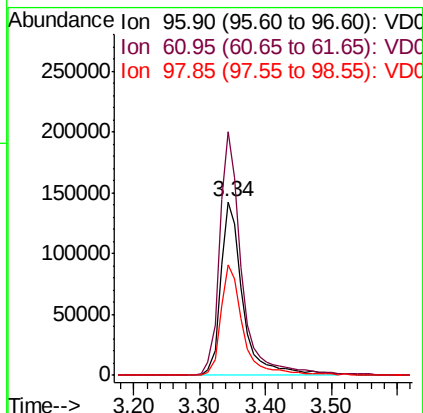
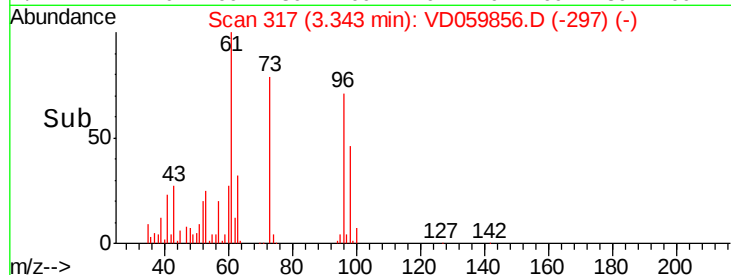
98 63.9 50.1 75.1



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 97.85 (97.55 to 98.55): VDC



#22

Diisopropyl ether

Concen: 60.792 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion: 45 Resp: 1919203

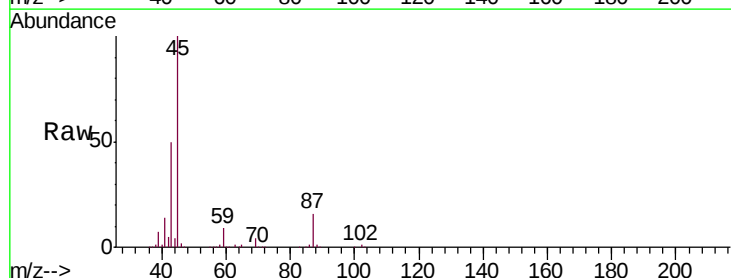
Ion Ratio Lower Upper

45 100

43 50.1 51.1 76.7#

87 15.9 12.5 18.7

59 8.7 7.1 10.7

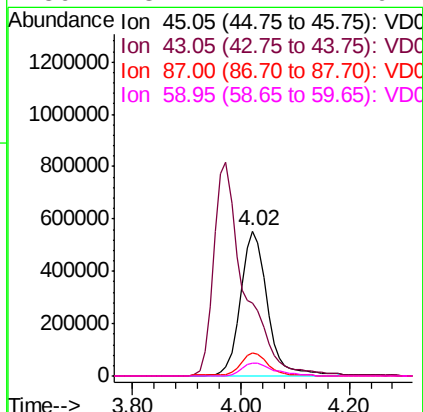
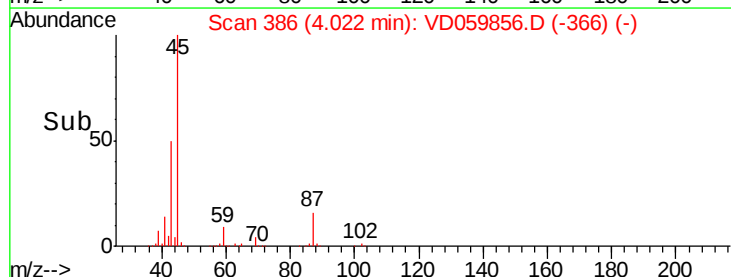


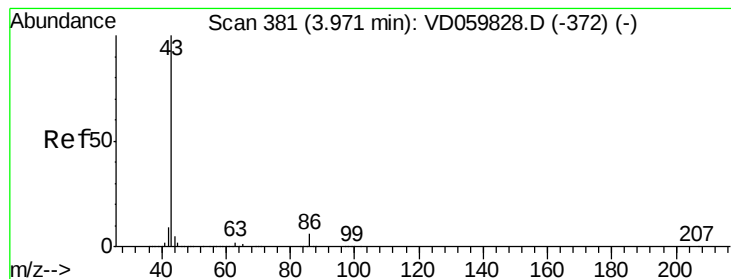
Abundance Ion 45.05 (44.75 to 45.75): VDC

Ion 43.05 (42.75 to 43.75): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 58.95 (58.65 to 59.65): VDC





#23

Vinyl Acetate

Concen: 187.035 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

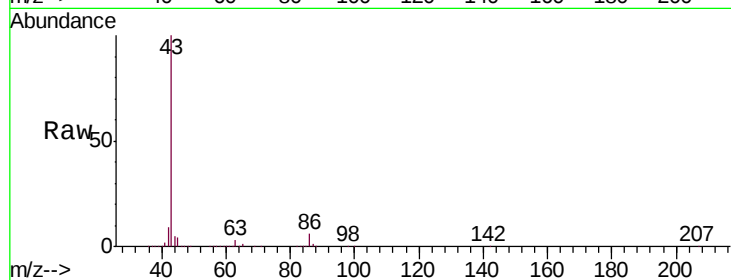
RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 3171919

Ion Ratio Lower Upper

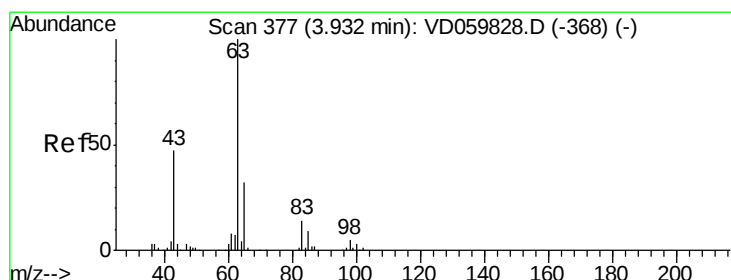
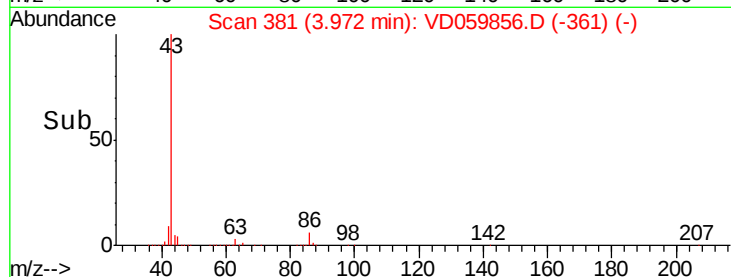
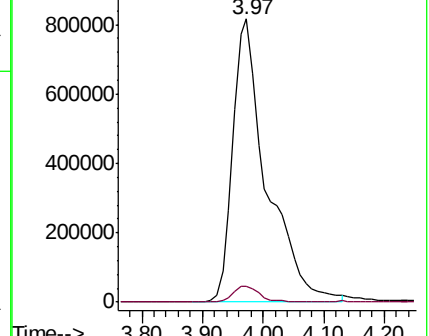
43 100

86 5.8 4.6 7.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 57.444 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

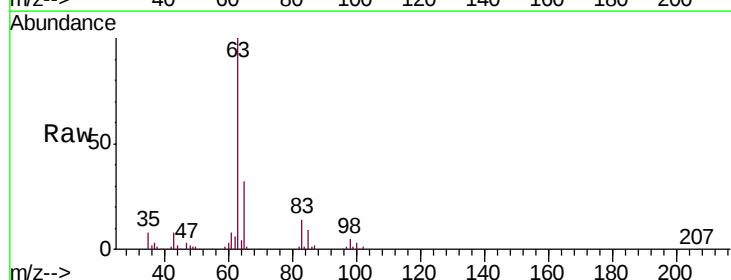
Tgt Ion: 63 Resp: 797487

Ion Ratio Lower Upper

63 100

98 4.8 2.5 7.6

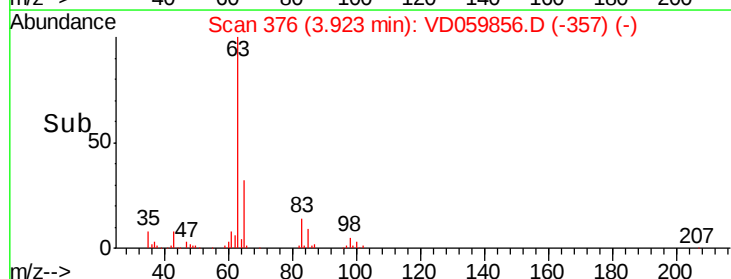
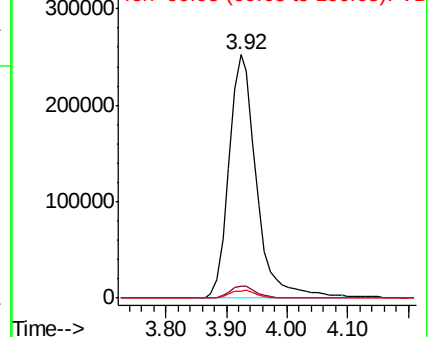
100 3.0 1.7 5.0

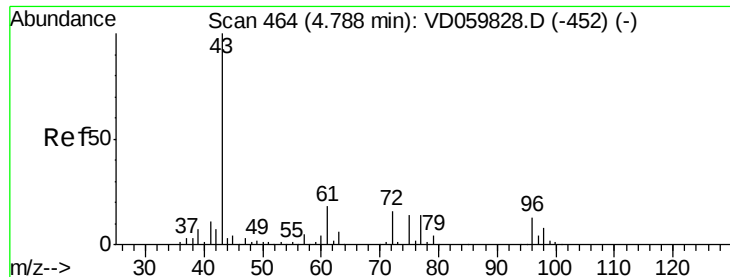


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 339.615 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

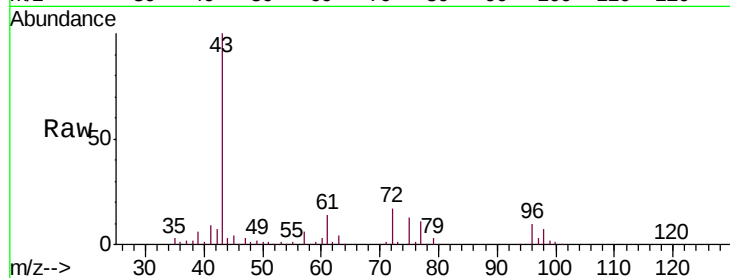
RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 1086986

Ion Ratio Lower Upper

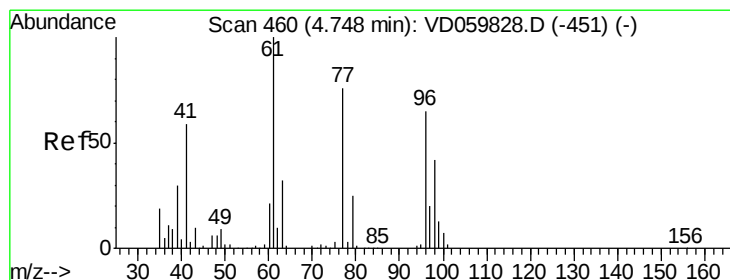
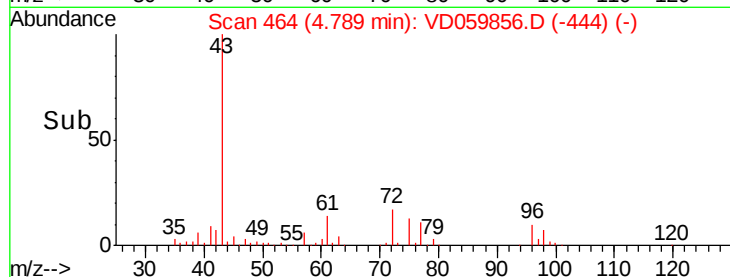
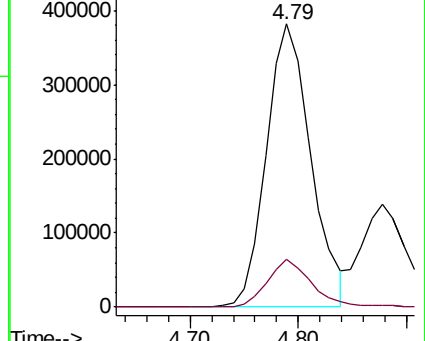
43 100

72 17.0 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 54.359 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.00 min

Lab File: VD059856.D

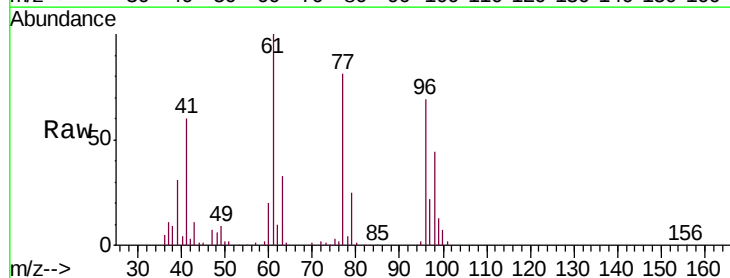
Acq: 21 Aug 2018 15:25

Tgt Ion: 77 Resp: 592120

Ion Ratio Lower Upper

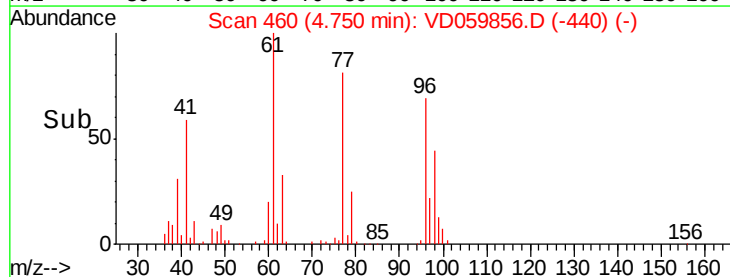
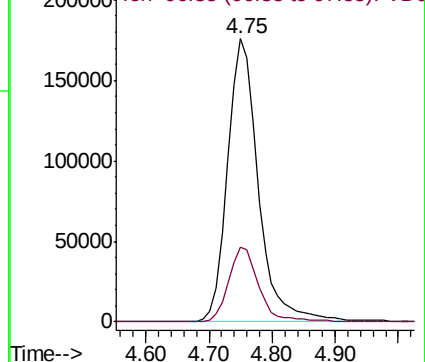
77 100

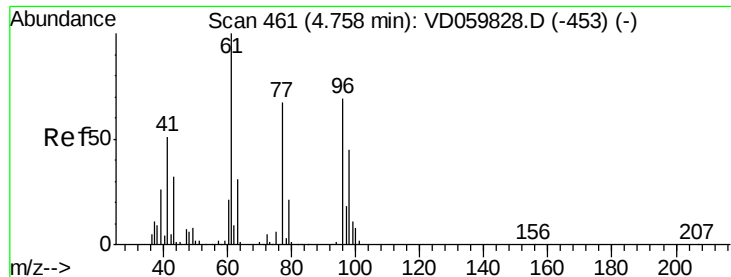
97 26.6 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



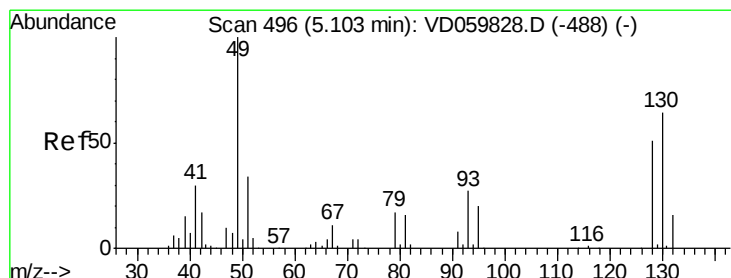
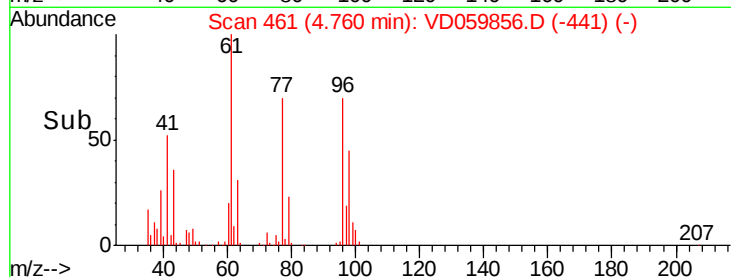
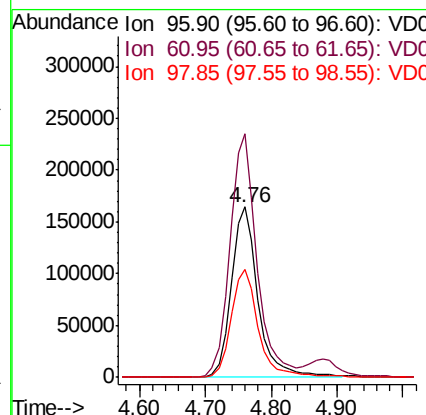
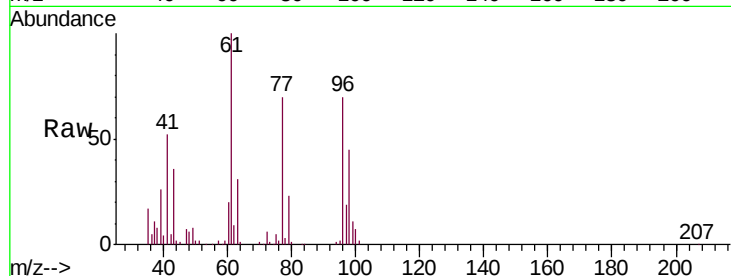


#27

cis-1,2-Dichloroethene
 Concen: 56.564 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

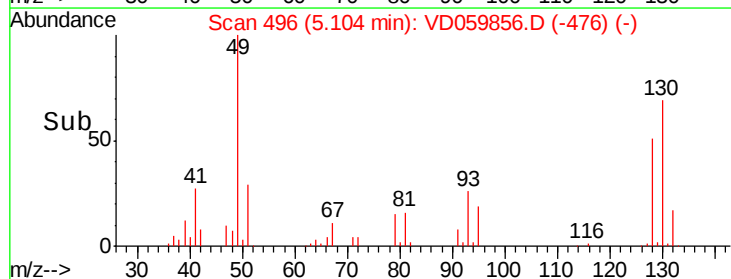
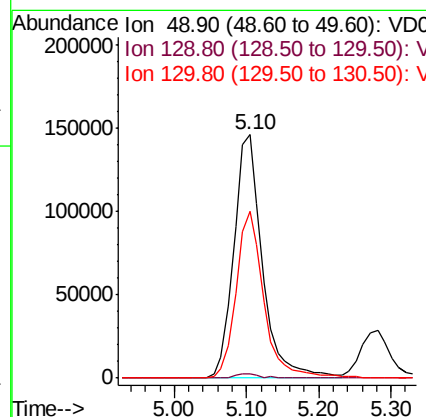
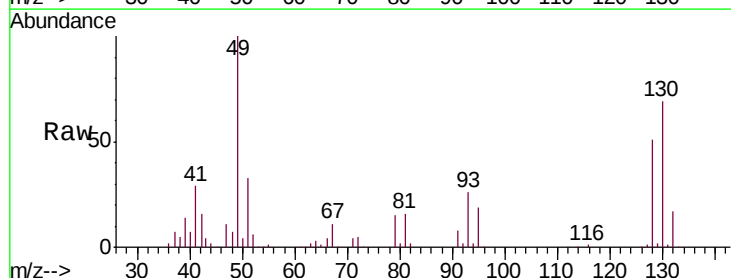
Tgt Ion: 96 Resp: 467381
 Ion Ratio Lower Upper
 96 100
 61 143.0 0.0 291.8
 98 63.8 0.0 131.6

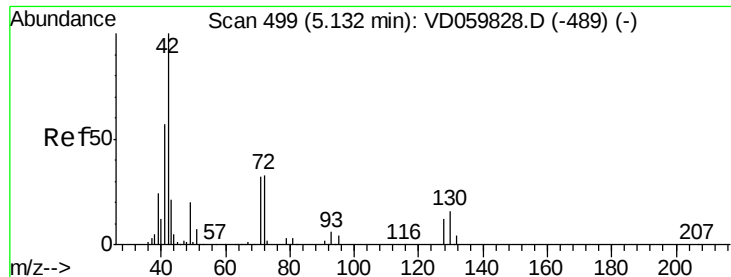


#28

Bromochloromethane
 Concen: 57.251 ug/l
 RT: 5.10 min Scan# 496
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 49 Resp: 402749
 Ion Ratio Lower Upper
 49 100
 129 1.7 0.0 3.8
 130 68.5 51.0 76.6

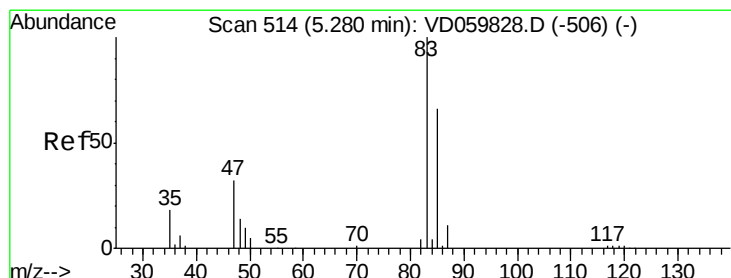
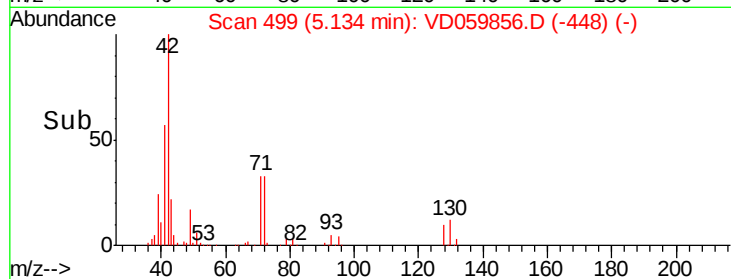
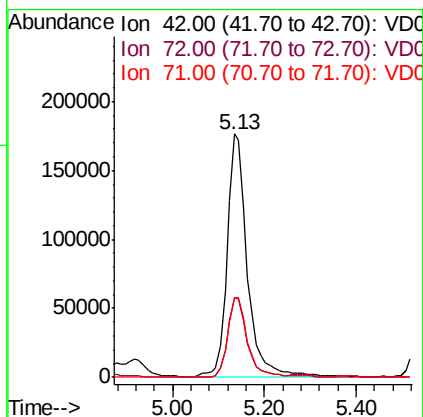
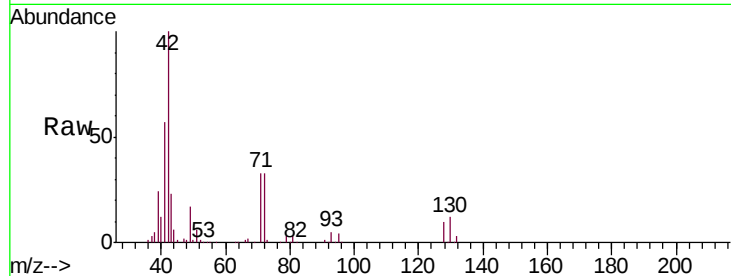




#29
Tetrahydrofuran
Concen: 328.915 ug/l
RT: 5.13 min Scan# 499
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

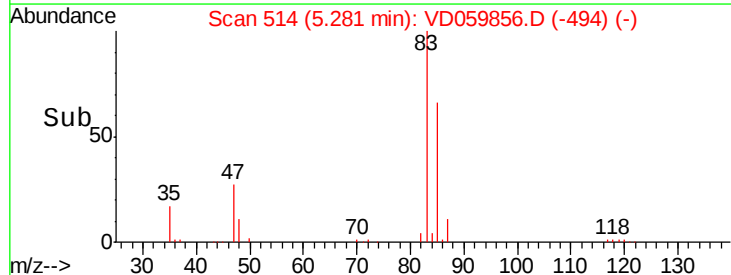
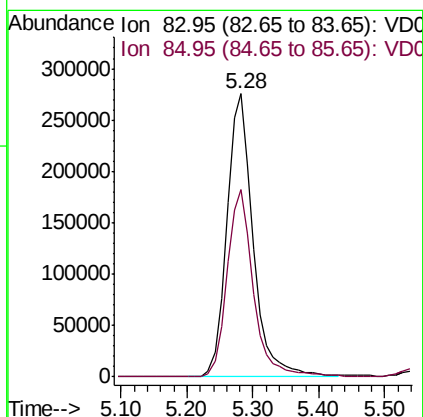
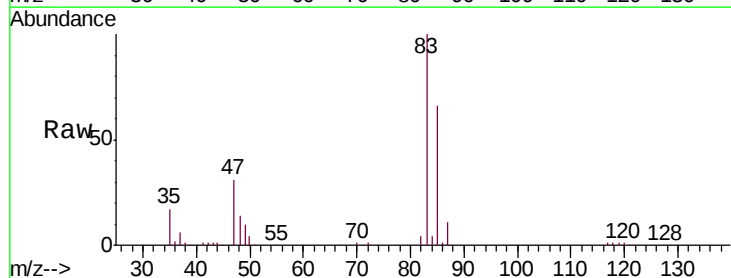
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

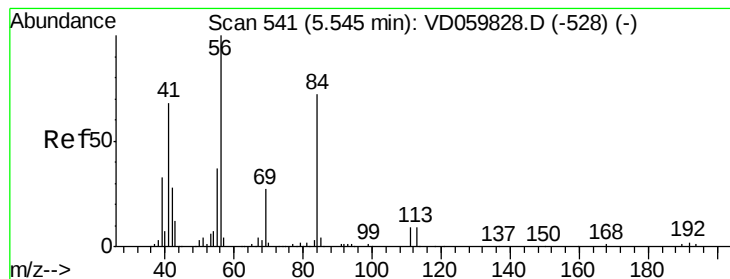
Tgt Ion: 42 Resp: 533031
Ion Ratio Lower Upper
42 100
72 32.3 25.8 38.6
71 32.6 25.7 38.5



#30
Chloroform
Concen: 56.161 ug/l
RT: 5.28 min Scan# 514
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 83 Resp: 769471
Ion Ratio Lower Upper
83 100
85 66.4 52.9 79.3





#31

Cyclohexane

Concen: 41.433 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

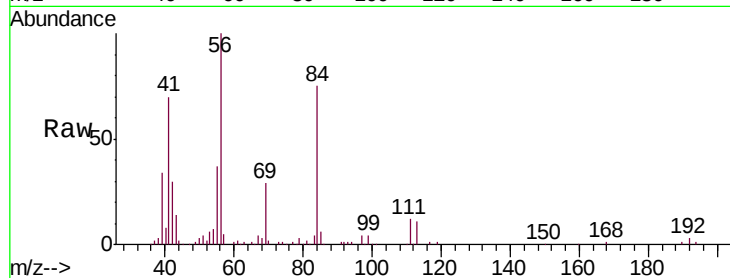
Tgt Ion: 56 Resp: 484420

Ion Ratio Lower Upper

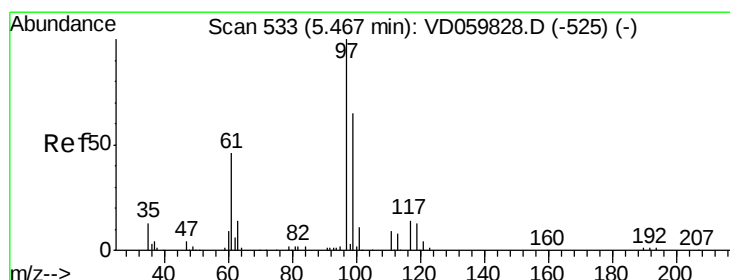
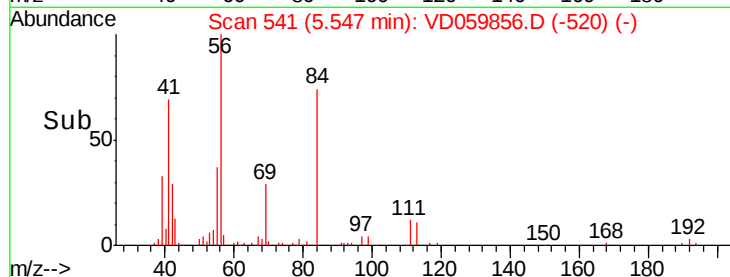
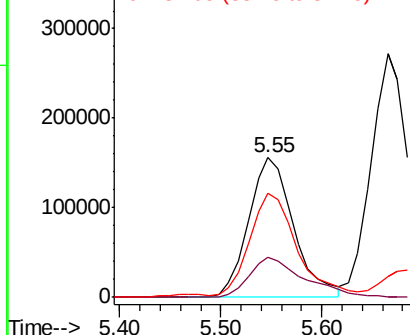
56 100

69 29.2 21.7 32.5

84 74.6 57.8 86.6



Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 54.350 ug/l

RT: 5.47 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

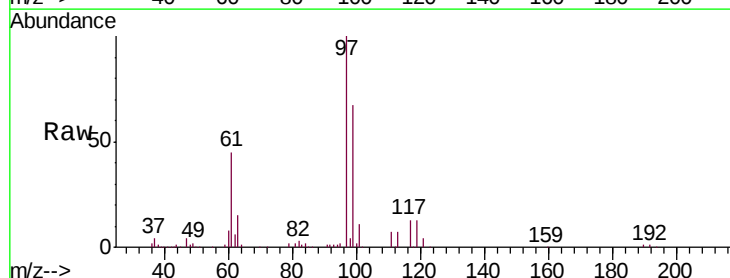
Tgt Ion: 97 Resp: 627489

Ion Ratio Lower Upper

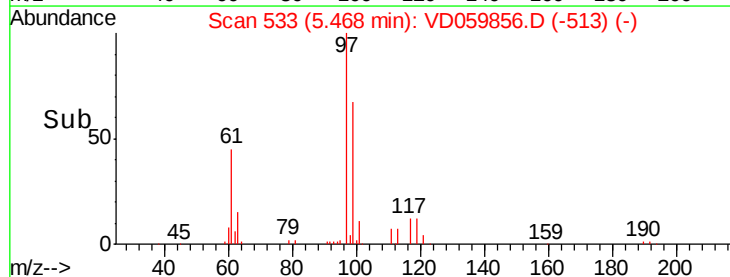
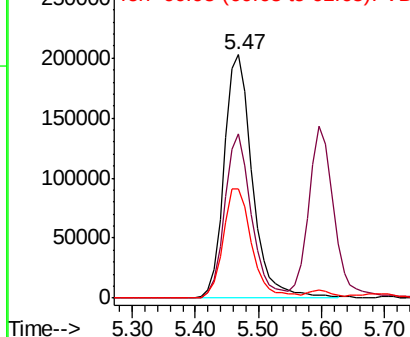
97 100

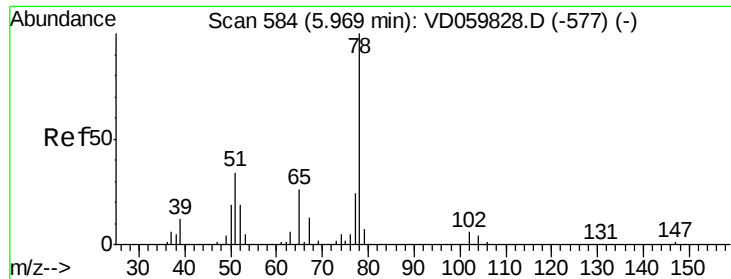
99 67.3 51.9 77.9

61 45.1 37.0 55.6



Abundance Ion 96.85 (96.55 to 97.55): VDC
Ion 98.85 (98.55 to 99.55): VDC
Ion 60.95 (60.65 to 61.65): VDC





#33

1,2-Dichloroethane-d4

Concen: 54.350 ug/l

RT: 5.98 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

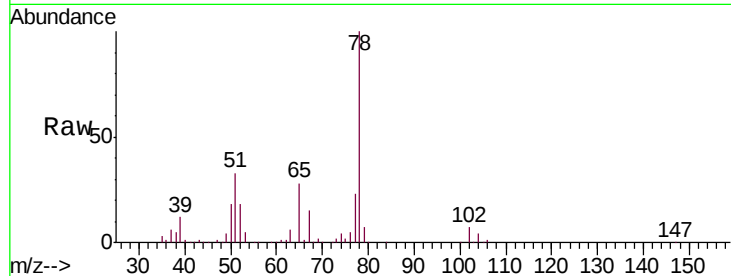
RA-081518-FL-031MSD

Tgt Ion: 65 Resp: 356382

Ion Ratio Lower Upper

65 100

67 54.4 0.0 102.4



Abundance Ion 64.95 (64.65 to 65.65): VDC

Ion 66.90 (66.60 to 67.60): VDC

5.98

150000

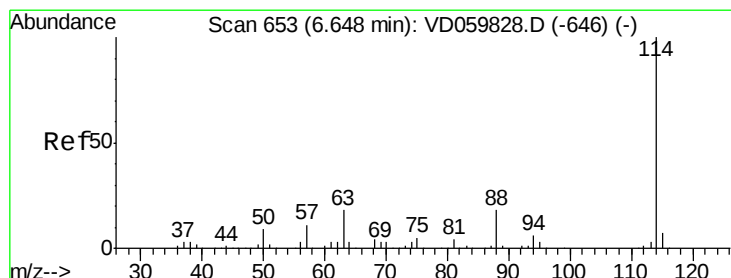
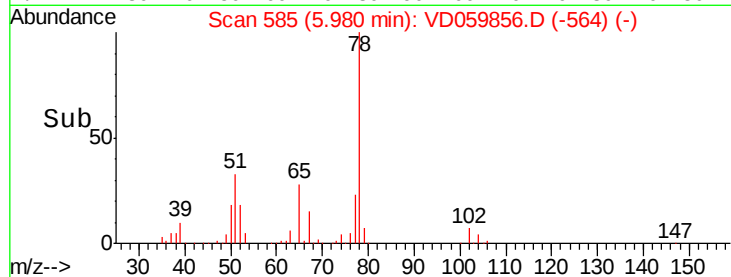
100000

50000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.65 min Scan# 653

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

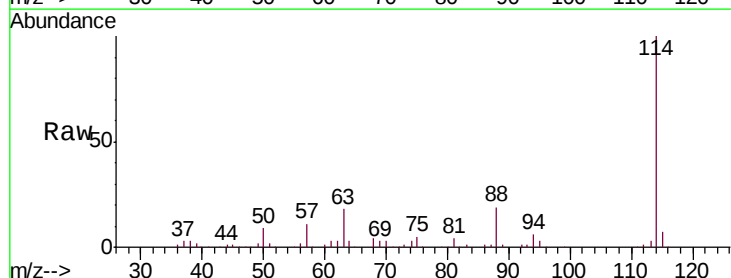
Tgt Ion: 114 Resp: 1130349

Ion Ratio Lower Upper

114 100

63 18.3 0.0 37.0

88 18.9 0.0 37.0



Abundance Ion 114.00 (113.70 to 114.70): V

Ion 62.95 (62.65 to 63.65): VDC

Ion 87.90 (87.60 to 88.60): VDC

6.65

600000

500000

400000

300000

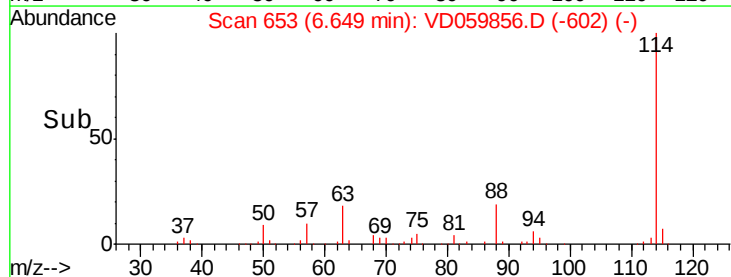
200000

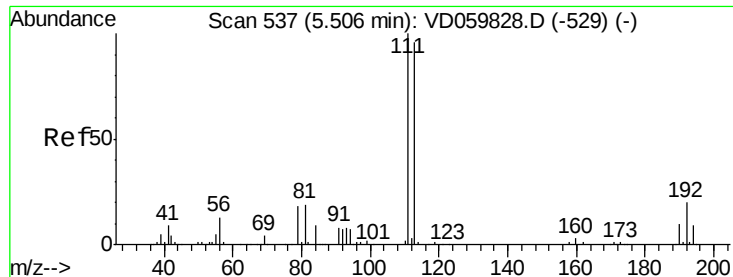
100000

0

Time-->

6.40 6.60 6.80 7.00

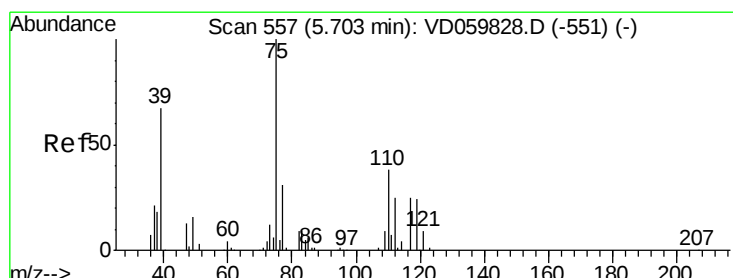
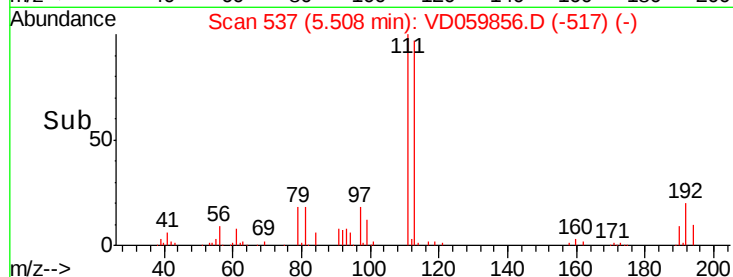
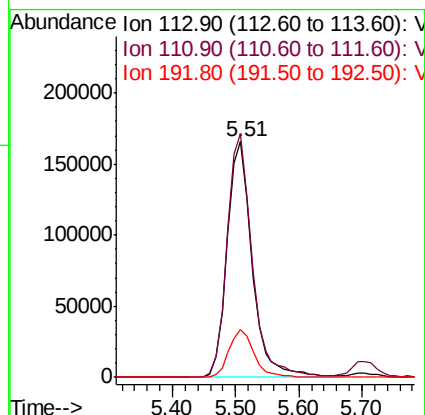
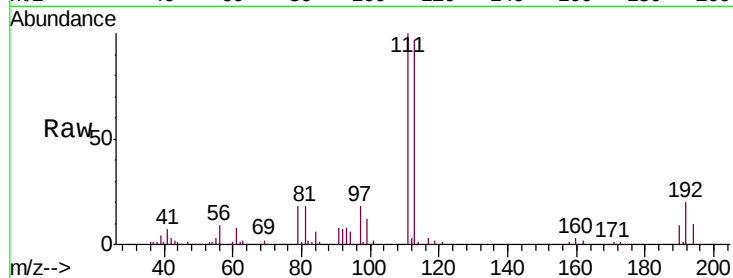




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 5.51 min Scan# 537
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

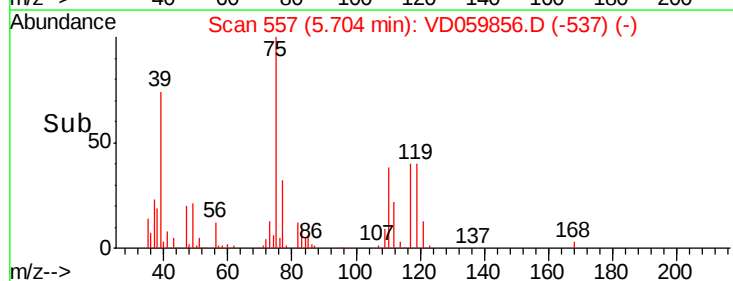
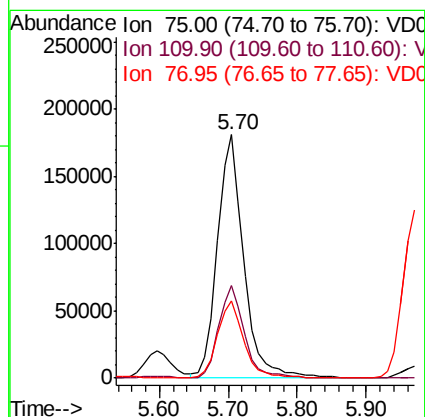
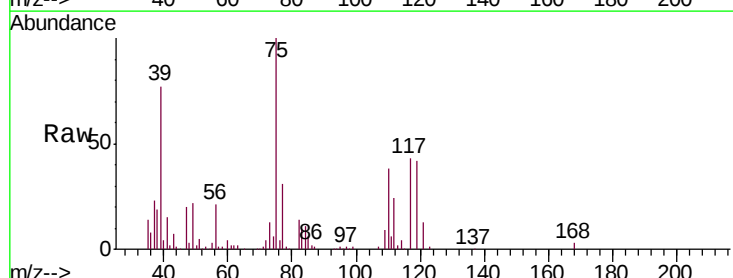
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

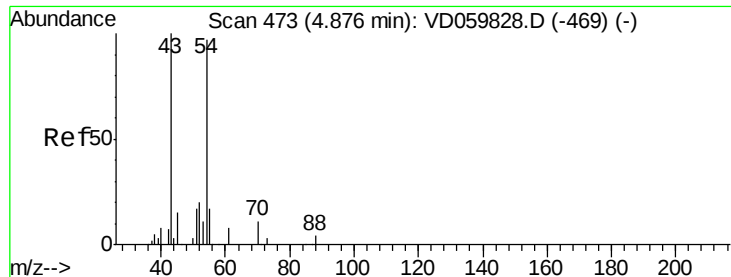
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	83.3	124.9
192	20.5	16.8	25.2



#36
 1,1-Dichloropropene
 Concen: 49.380 ug/l
 RT: 5.70 min Scan# 557
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.8	56.4
77	31.5	24.9	37.3

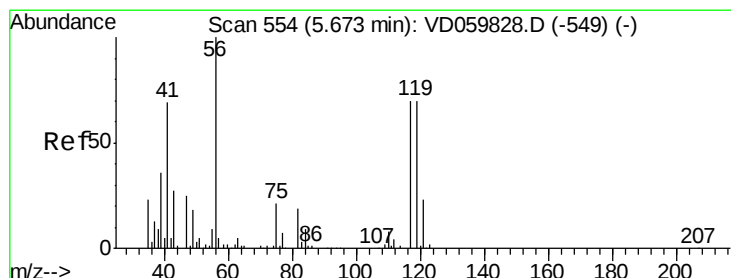
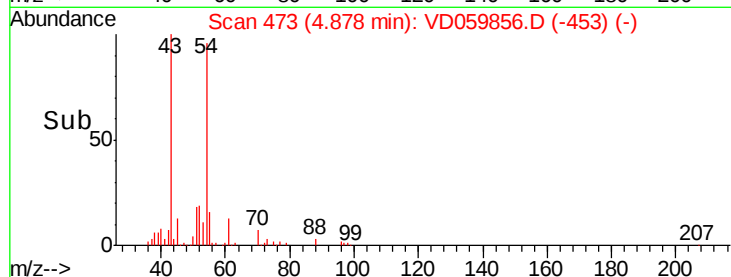
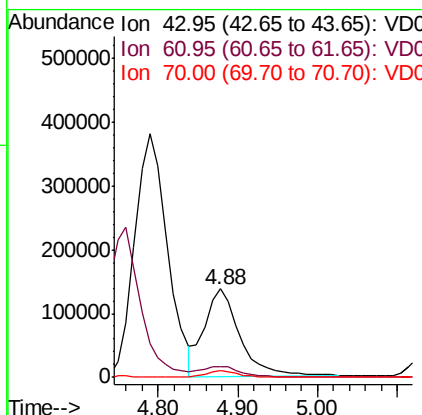
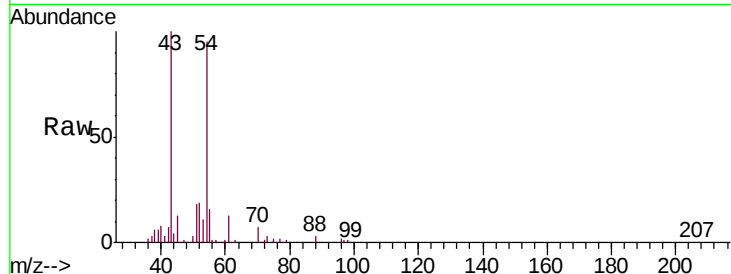




#37
Ethyl Acetate
Concen: 59.514 ug/l
RT: 4.88 min Scan# 473
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

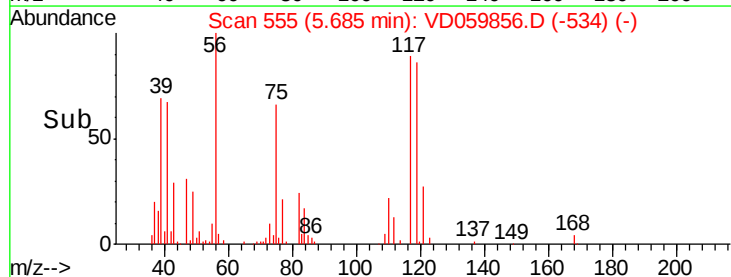
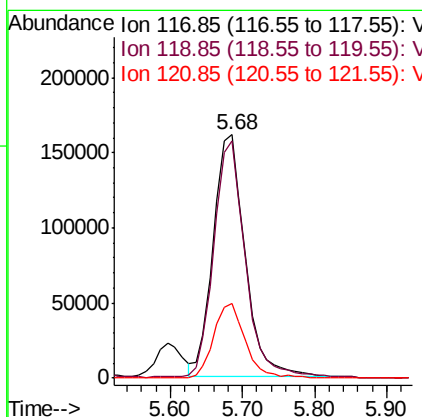
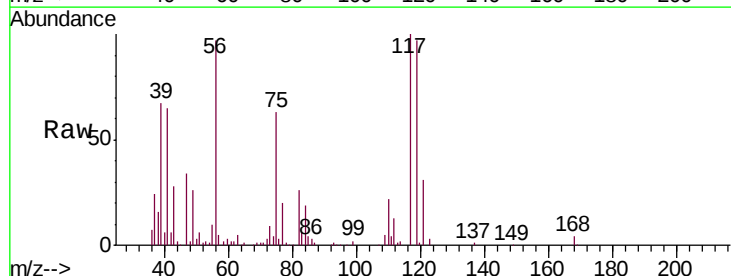
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

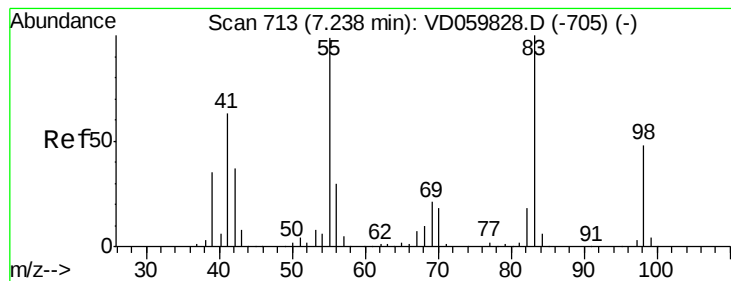
Tgt Ion: 43 Resp: 422921
Ion Ratio Lower Upper
43 100
61 12.7 10.4 15.6
70 7.4 6.2 9.2



#38
Carbon Tetrachloride
Concen: 51.188 ug/l
RT: 5.68 min Scan# 555
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 117 Resp: 489752
Ion Ratio Lower Upper
117 100
119 97.2 77.0 115.4
121 30.6 24.7 37.1





#39

Methylcyclohexane

Concen: 29.721 ug/l

RT: 7.24 min Scan# 713

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

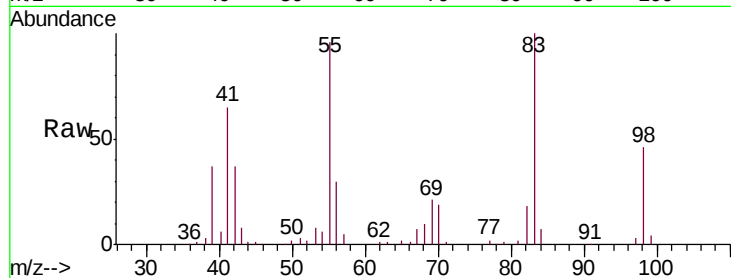
Tgt Ion: 83 Resp: 304744

Ion Ratio Lower Upper

83 100

55 96.5 79.0 118.6

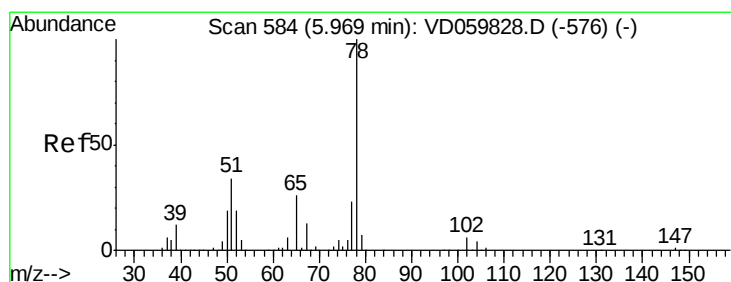
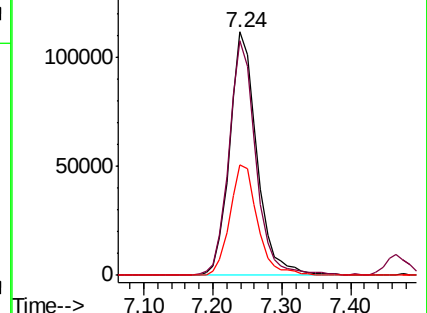
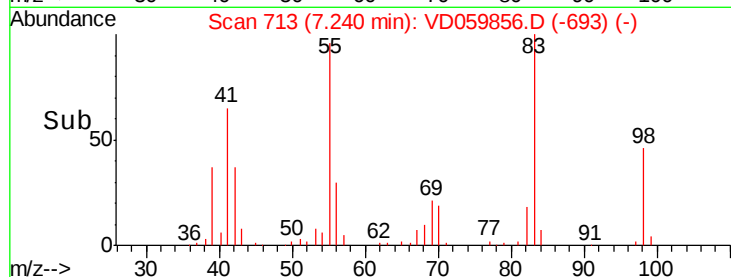
98 45.5 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 57.567 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059856.D

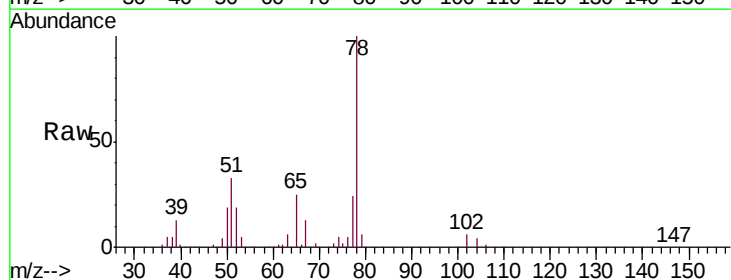
Acq: 21 Aug 2018 15:25

Tgt Ion: 78 Resp: 1429760

Ion Ratio Lower Upper

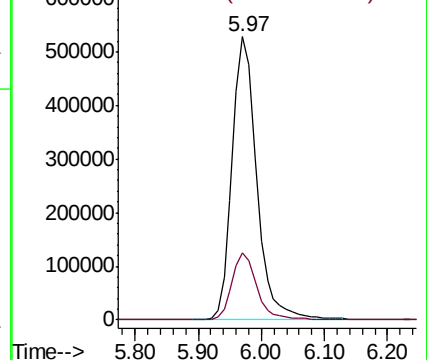
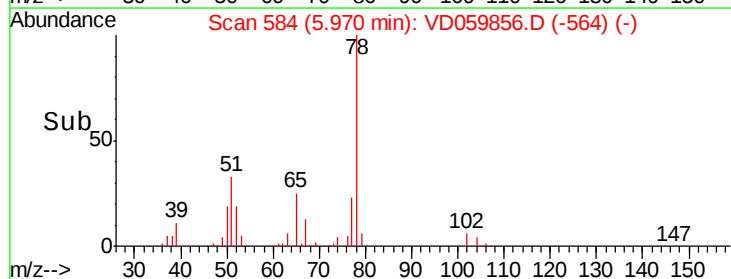
78 100

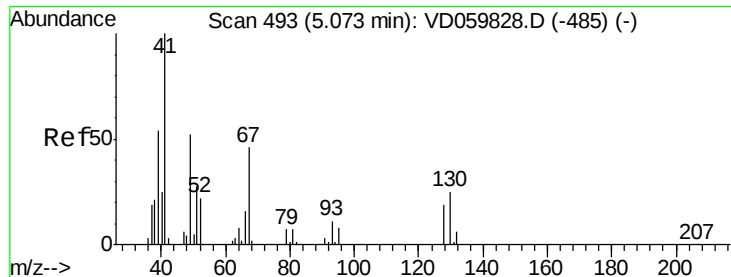
77 23.7 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC

Ion 76.95 (76.65 to 77.65): VDC

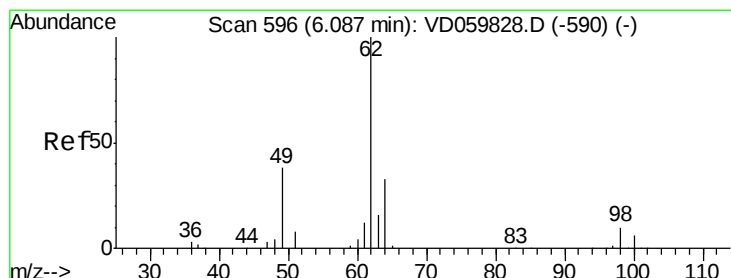
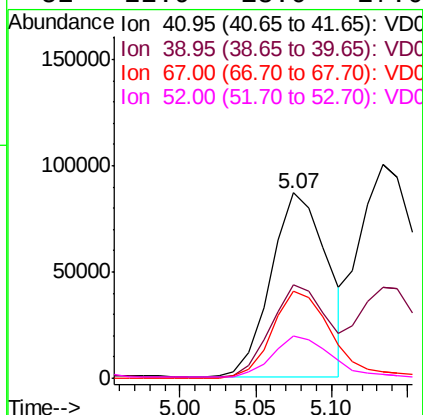
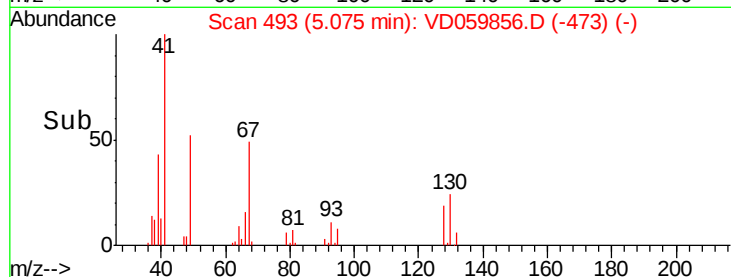
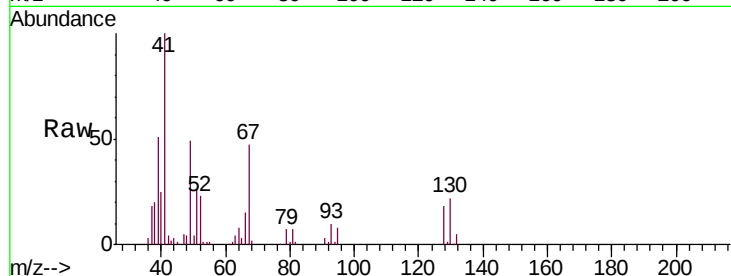




#41
Methacrylonitrile
Concen: 61.786 ug/l
RT: 5.07 min Scan# 493
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

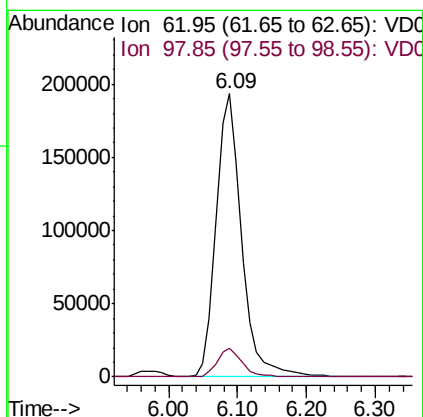
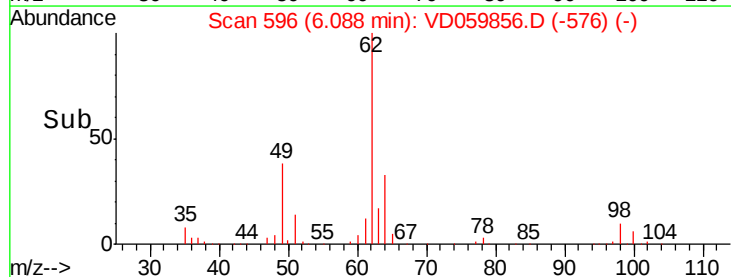
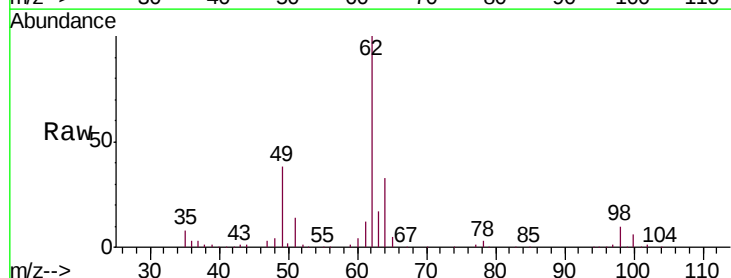
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

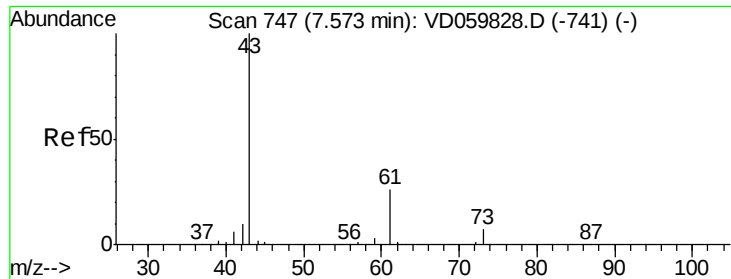
Tgt Ion:	41	Resp:	224931
Ion	Ratio	Lower	Upper
41	100		
39	50.7	43.0	64.6
67	46.8	36.7	55.1
52	22.9	18.0	27.0



#42
1,2-Dichloroethane
Concen: 60.955 ug/l
RT: 6.09 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion:	62	Resp:	492966
Ion	Ratio	Lower	Upper
62	100		
98	10.1	0.0	19.4



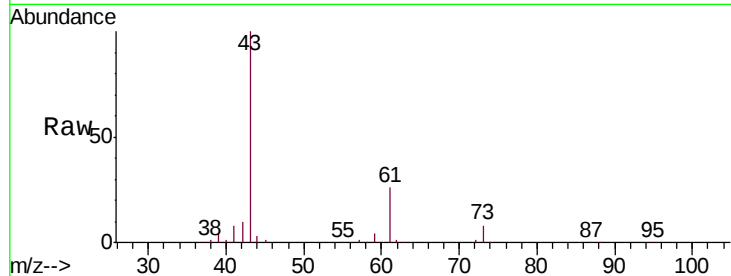


#43

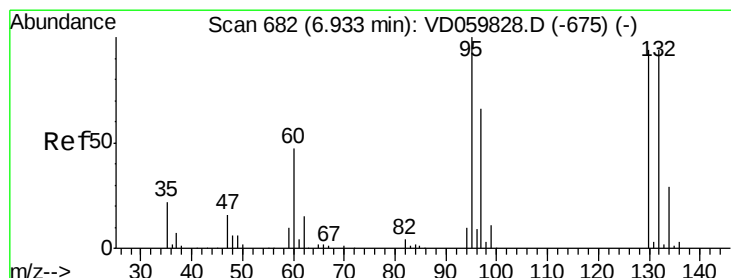
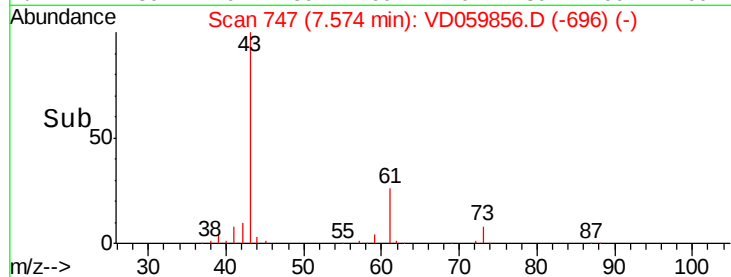
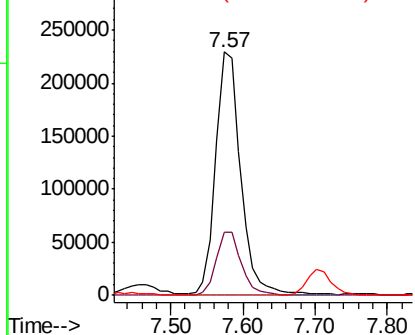
Isopropyl Acetate
 Concen: 55.323 ug/l
 RT: 7.57 min Scan# 747
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 543762
 Ion Ratio Lower Upper
 43 100
 61 26.0 21.0 31.4
 87 0.3 0.2 0.4



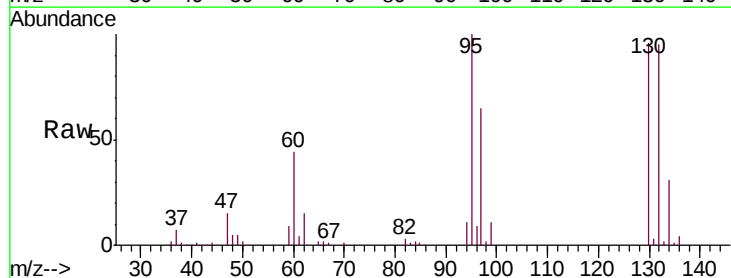
Abundance Ion 42.95 (42.65 to 43.65): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 87.00 (86.70 to 87.70): VDC



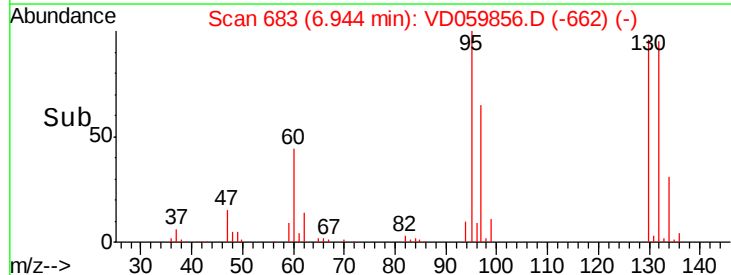
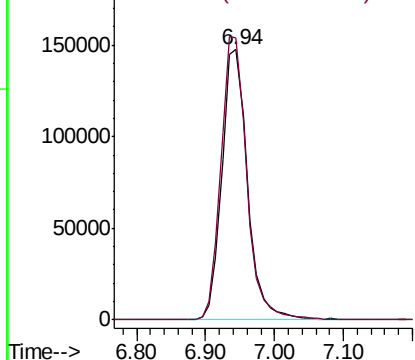
#44

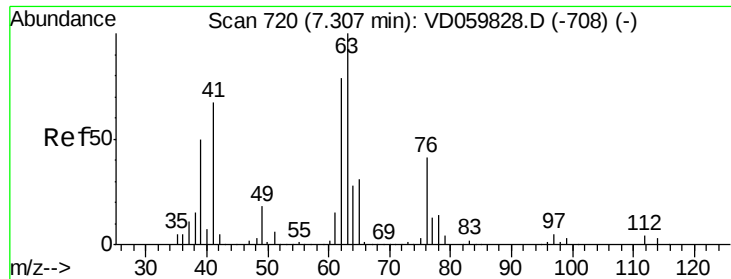
Trichloroethene
 Concen: 51.867 ug/l
 RT: 6.94 min Scan# 683
 Delta R.T. 0.01 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 130 Resp: 383122
 Ion Ratio Lower Upper
 130 100
 95 104.4 0.0 213.0



Abundance Ion 129.80 (129.50 to 130.50): VDC
 Ion 94.90 (94.60 to 95.60): VDC

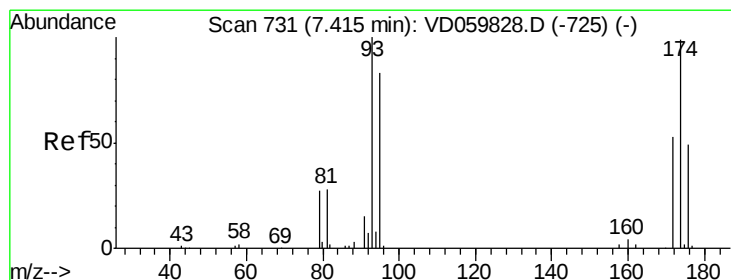
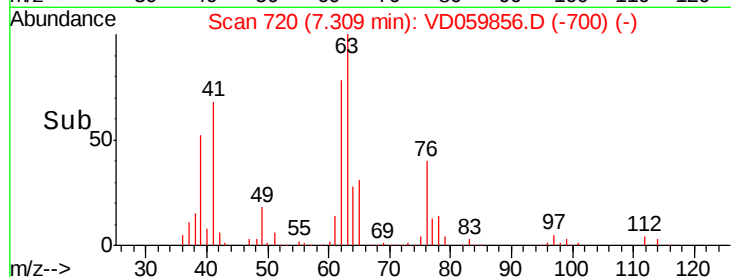
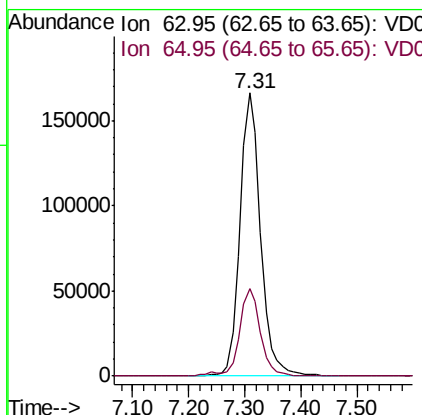
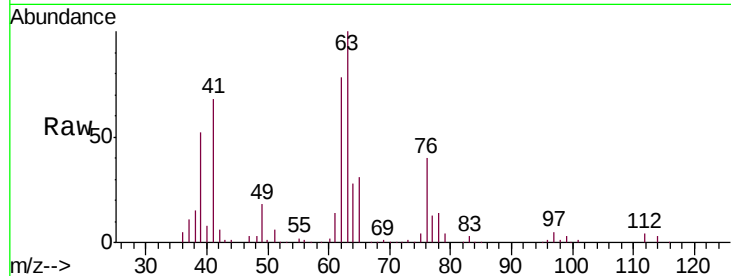




#45
 1,2-Dichloropropane
 Concen: 58.020 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

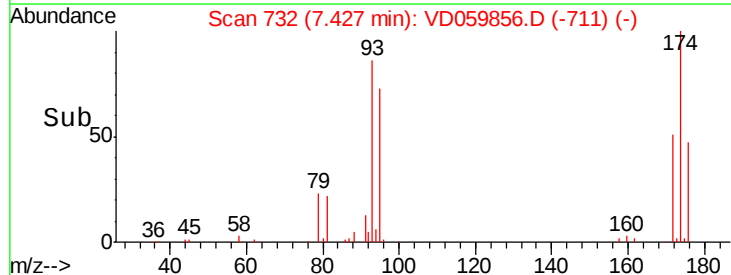
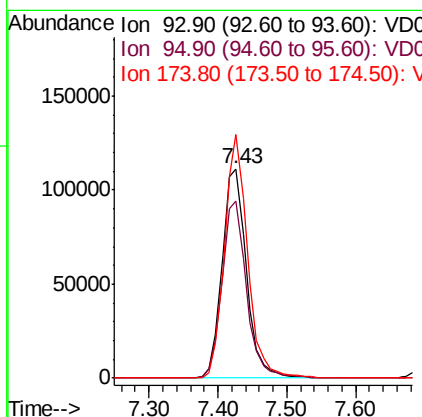
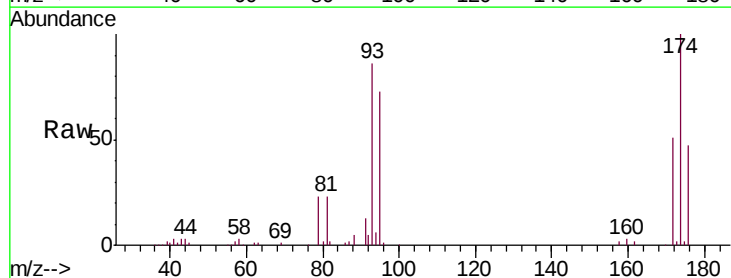
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

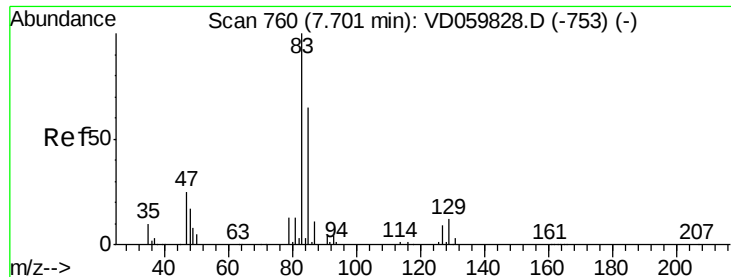
Tgt Ion: 63 Resp: 423140
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.5 36.7



#46
 Dibromomethane
 Concen: 60.050 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 93 Resp: 272674
 Ion Ratio Lower Upper
 93 100
 95 84.7 66.3 99.5
 174 116.4 79.4 119.0





#47

Bromodichloromethane

Concen: 56.939 ug/l

RT: 7.70 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

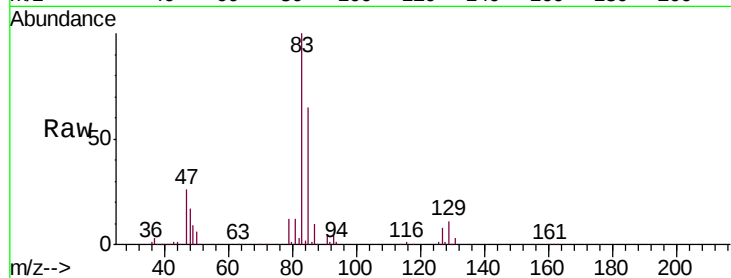
Tgt Ion: 83 Resp: 570835

Ion Ratio Lower Upper

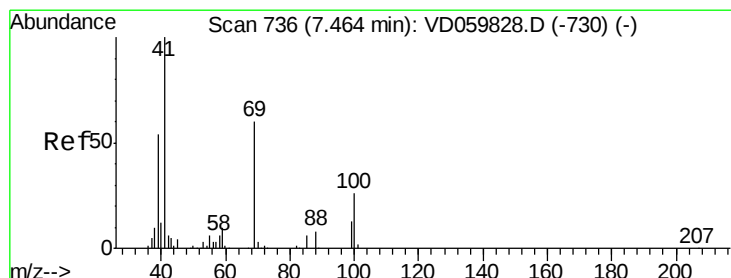
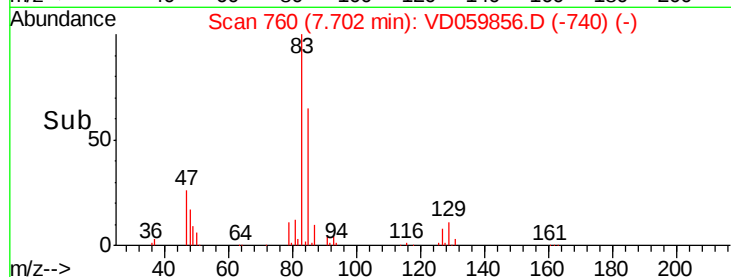
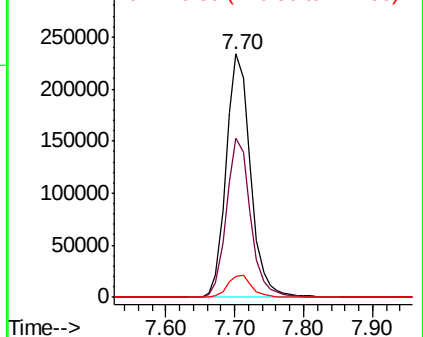
83 100

85 65.4 52.2 78.4

127 8.4 7.1 10.7



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



#48

Methyl methacrylate

Concen: 65.709 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

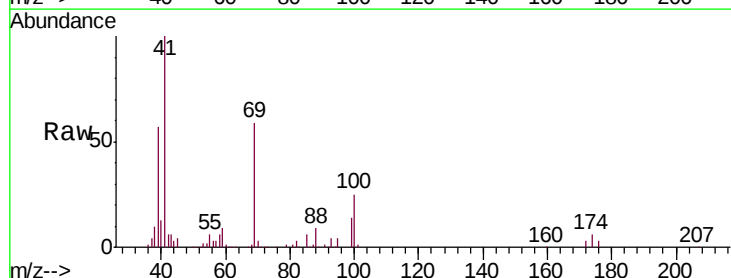
Tgt Ion: 41 Resp: 356206

Ion Ratio Lower Upper

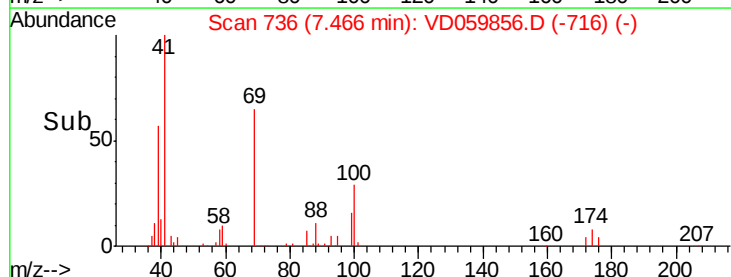
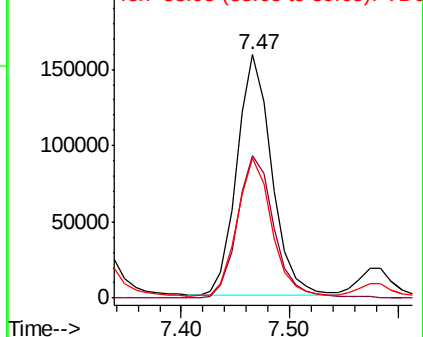
41 100

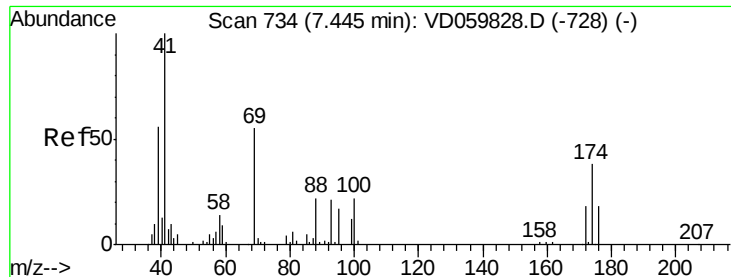
69 58.7 47.0 70.4

39 57.3 43.4 65.2



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





#49

1,4-Dioxane

Concen: 1495.408 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

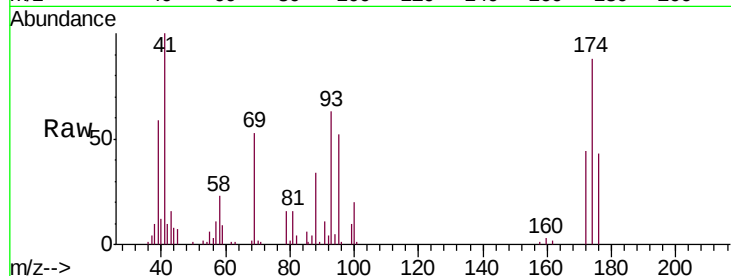
Tgt Ion: 88 Resp: 68602

Ion Ratio Lower Upper

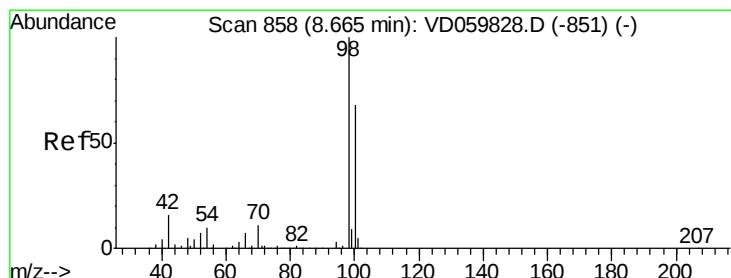
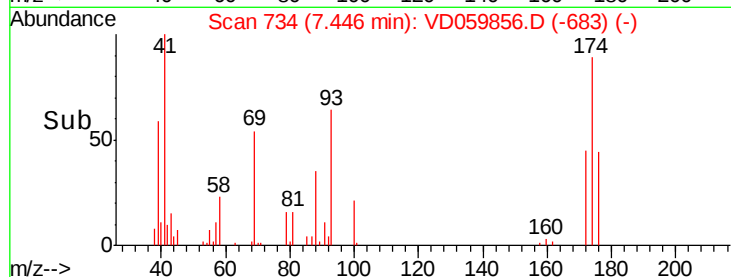
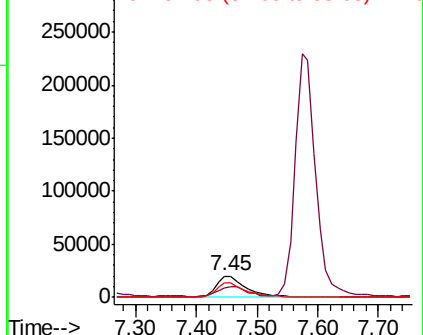
88 100

43 45.4 41.4 62.0

58 66.6 52.4 78.6



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



#50

Toluene-d8

Concen: 1495.408 ug/l

RT: 8.68 min Scan# 859

Delta R.T. 0.01 min

Lab File: VD059856.D

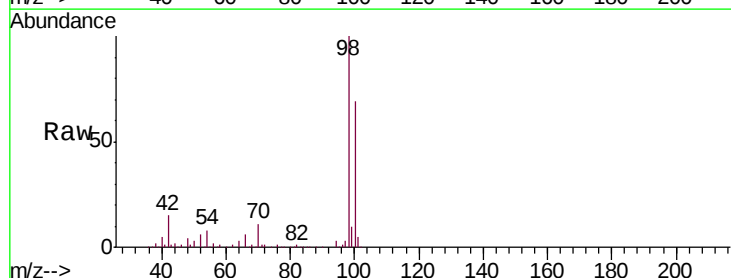
Acq: 21 Aug 2018 15:25

Tgt Ion: 98 Resp: 1113270

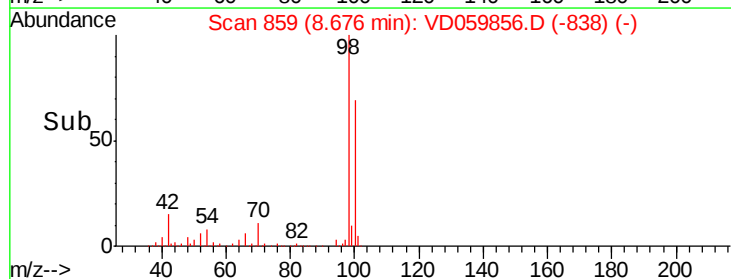
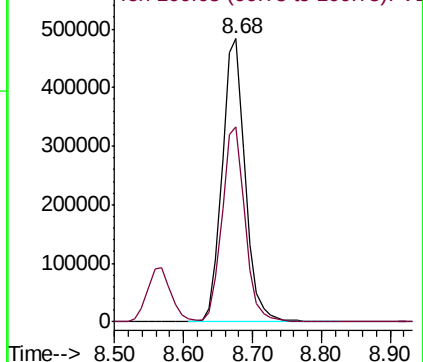
Ion Ratio Lower Upper

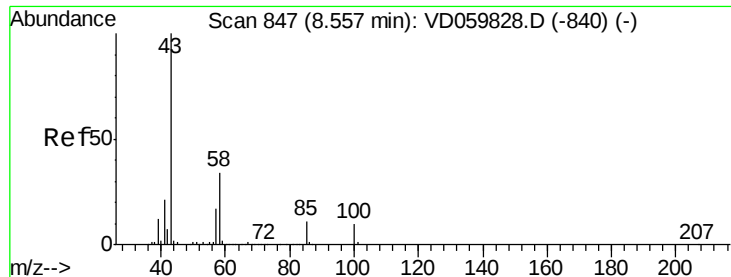
98 100

100 68.8 55.0 82.4



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





#51

4-Methyl-2-Pentanone

Concen: 358.529 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

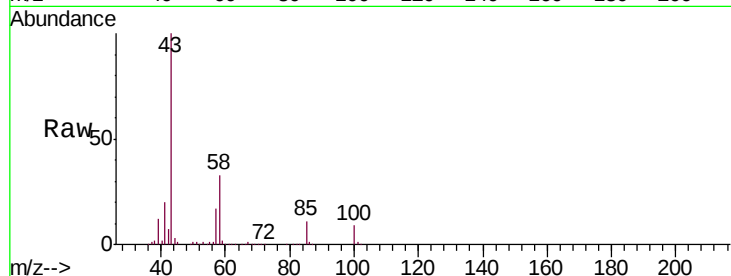
RA-081518-FL-031MSD

Tgt Ion: 43 Resp: 2355965

Ion Ratio Lower Upper

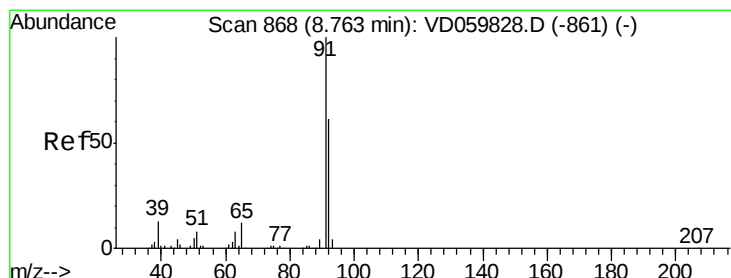
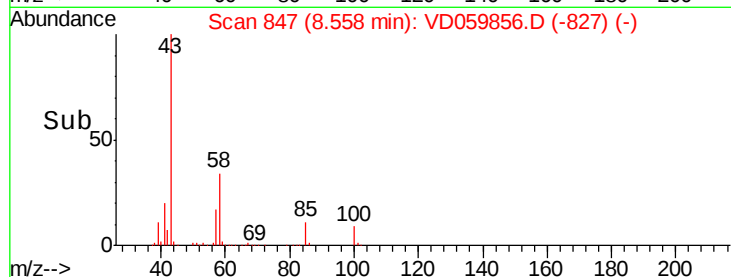
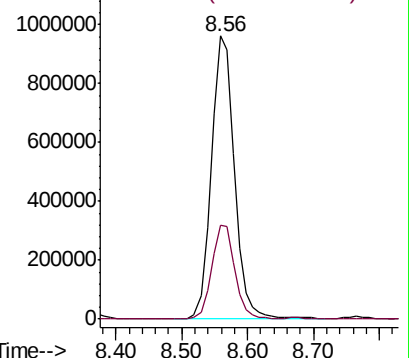
43 100

58 33.2 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 52.636 ug/l

RT: 8.76 min Scan# 868

Delta R.T. 0.00 min

Lab File: VD059856.D

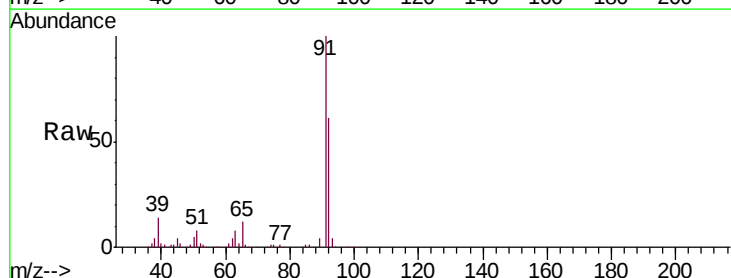
Acq: 21 Aug 2018 15:25

Tgt Ion: 92 Resp: 826633

Ion Ratio Lower Upper

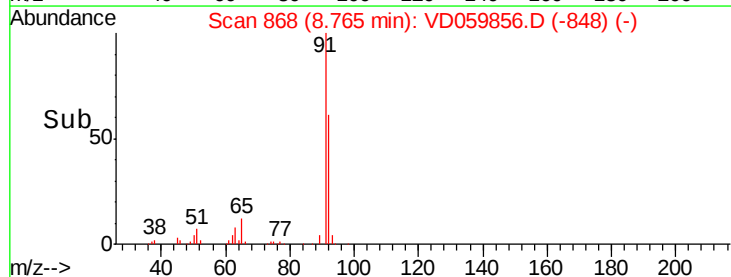
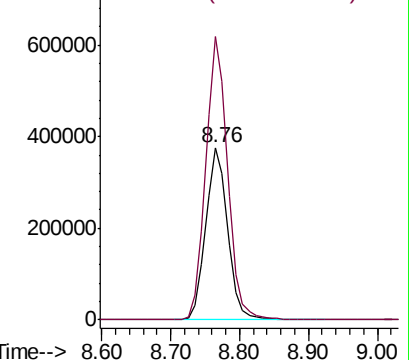
92 100

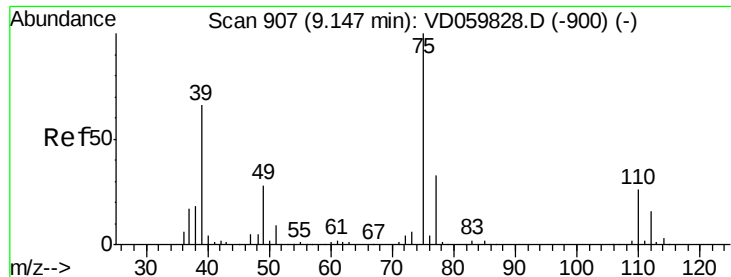
91 164.2 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

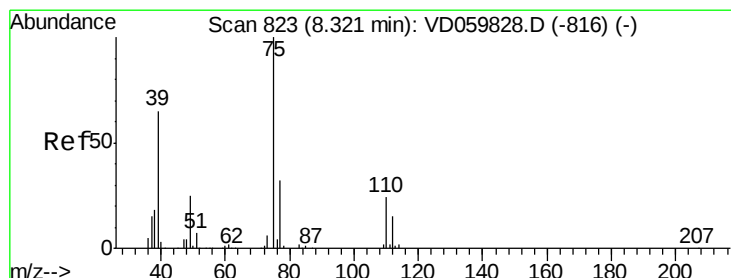
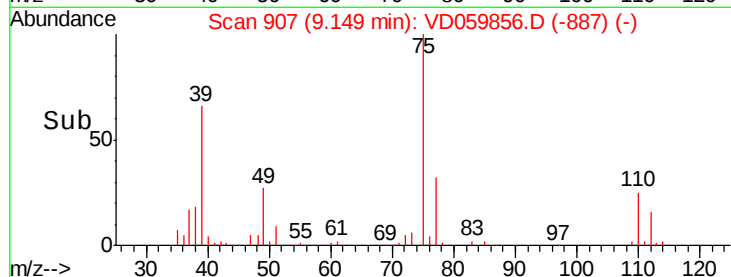
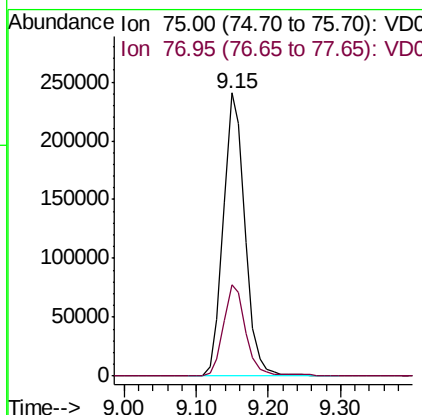
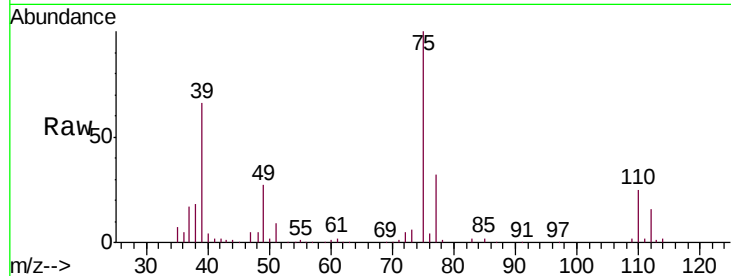




#53
 t-1,3-Dichloropropene
 Concen: 54.725 ug/l
 RT: 9.15 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

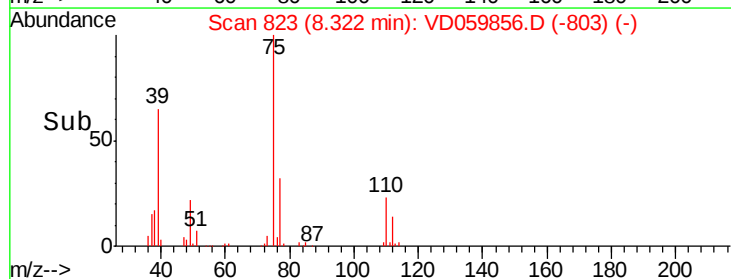
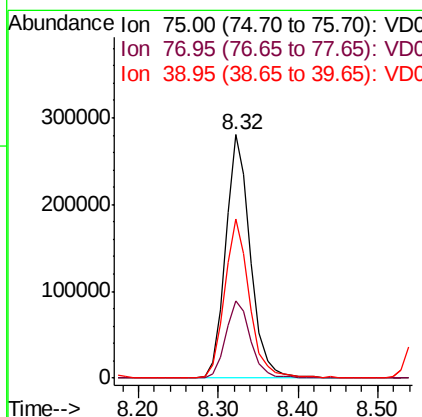
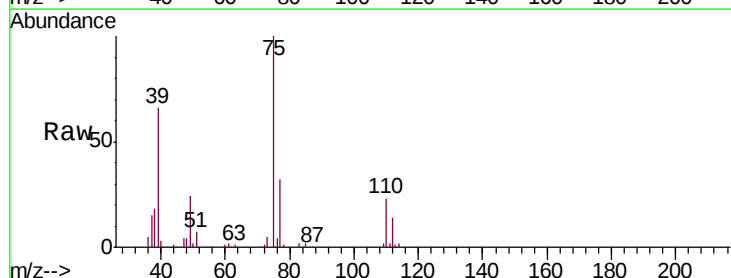
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

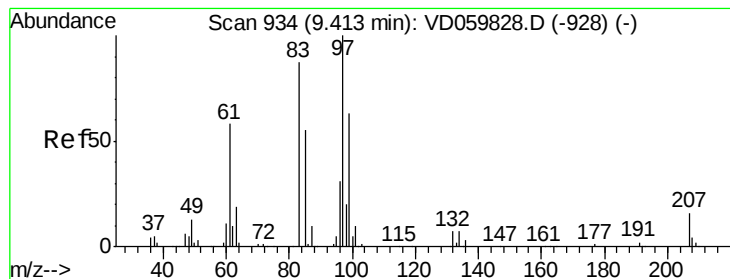
Tgt Ion: 75 Resp: 499774
 Ion Ratio Lower Upper
 75 100
 77 32.1 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 55.728 ug/l
 RT: 8.32 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 75 Resp: 609502
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8
 39 65.6 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 58.917 ug/l

RT: 9.42 min Scan# 935

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion: 97 Resp: 334017

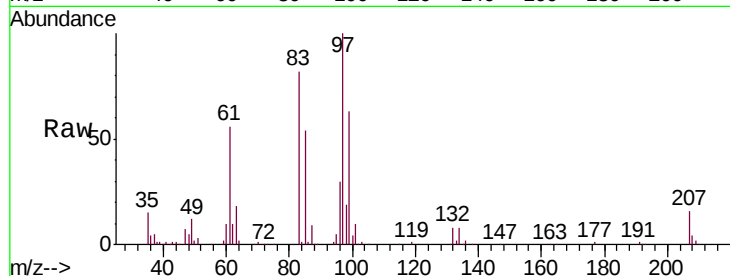
Ion Ratio Lower Upper

97 100

83 81.9 69.2 103.8

85 54.3 44.3 66.5

99 63.1 50.6 76.0

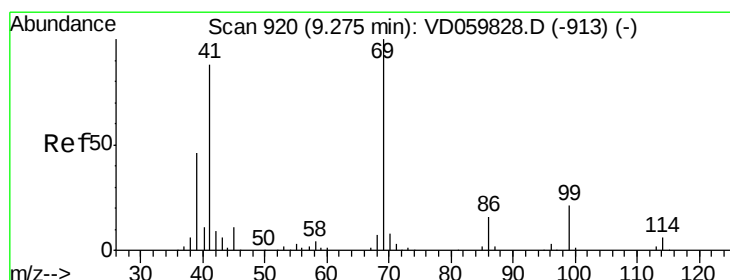
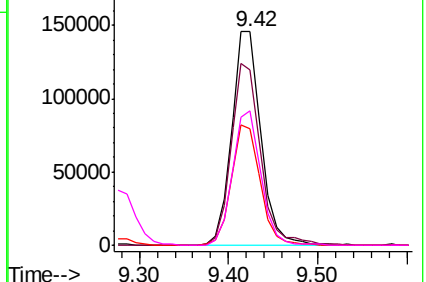
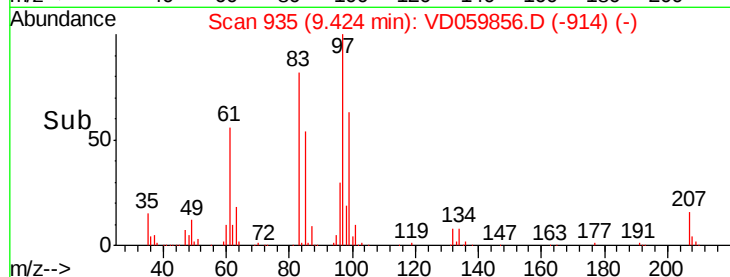


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 60.144 ug/l

RT: 9.28 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

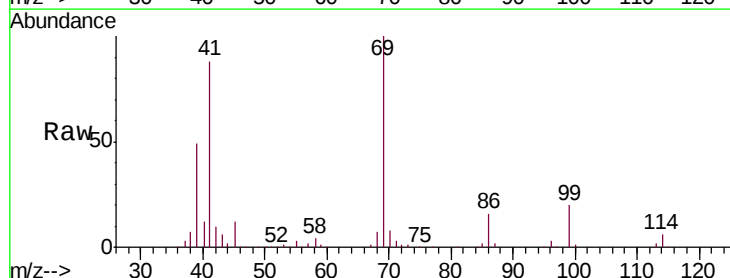
Tgt Ion: 69 Resp: 393178

Ion Ratio Lower Upper

69 100

41 88.3 71.0 106.4

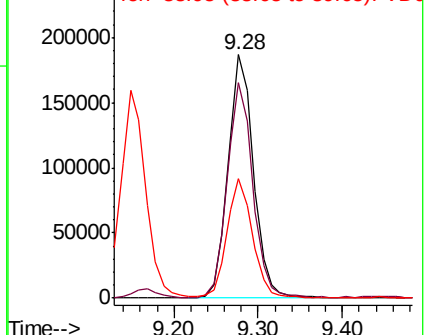
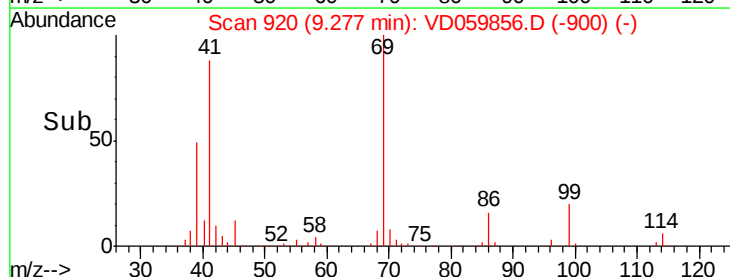
39 49.3 38.0 57.0

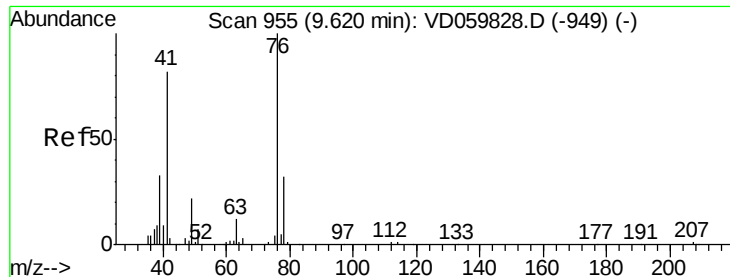


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC





#57

1,3-Dichloropropane

Concen: 57.941 ug/l

RT: 9.63 min Scan# 956

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

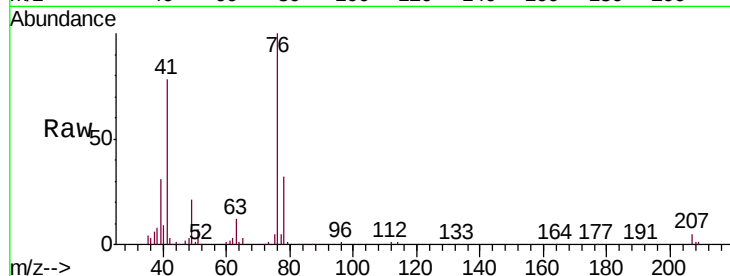
RA-081518-FL-031MSD

Tgt Ion: 76 Resp: 480274

Ion Ratio Lower Upper

76 100

78 32.2 25.5 38.3



Abundance Ion 75.95 (75.65 to 76.65): VDC

Ion 77.95 (77.65 to 78.65): VDC

250000

200000

150000

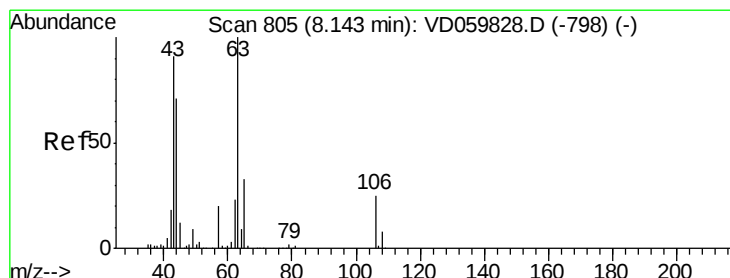
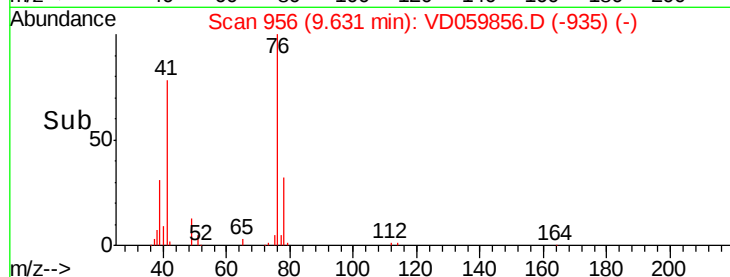
100000

50000

0

9.50 9.60 9.70

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 278.856 ug/l

RT: 8.15 min Scan# 806

Delta R.T. 0.01 min

Lab File: VD059856.D

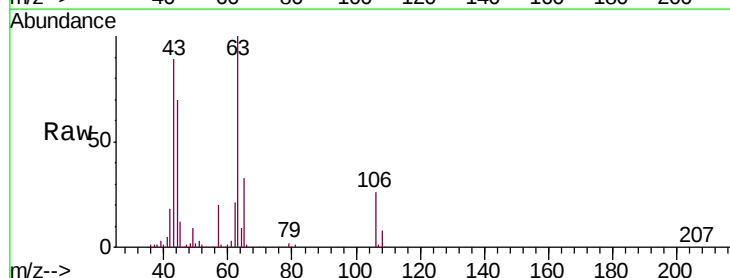
Acq: 21 Aug 2018 15:25

Tgt Ion: 63 Resp: 969742

Ion Ratio Lower Upper

63 100

106 26.2 19.6 29.4



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 105.95 (105.65 to 106.65): VDC

500000

400000

300000

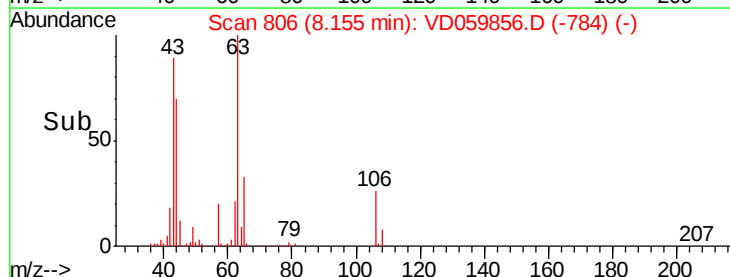
200000

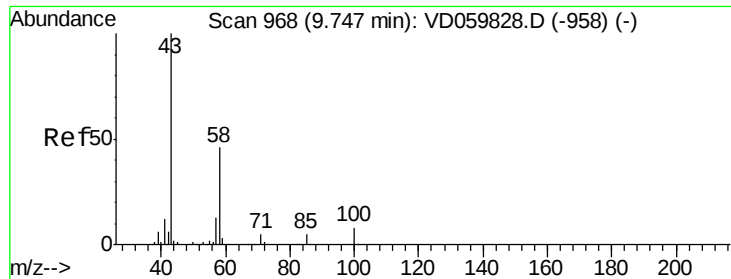
100000

0

8.00 8.10 8.20 8.30

Time-->

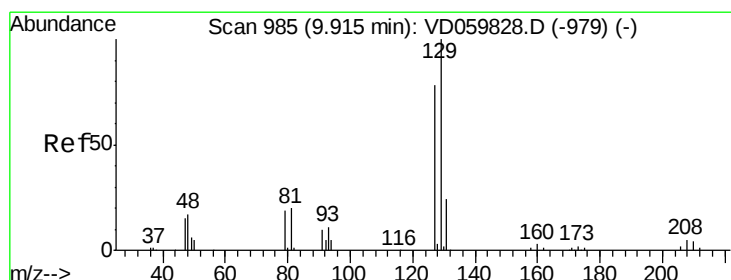
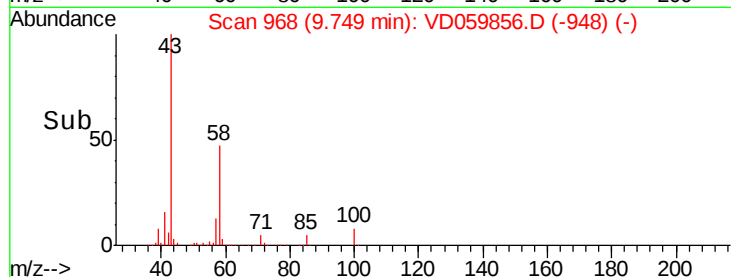
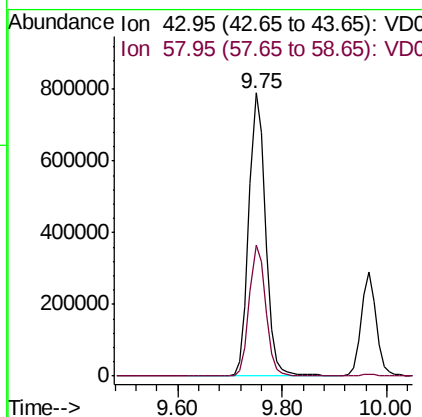
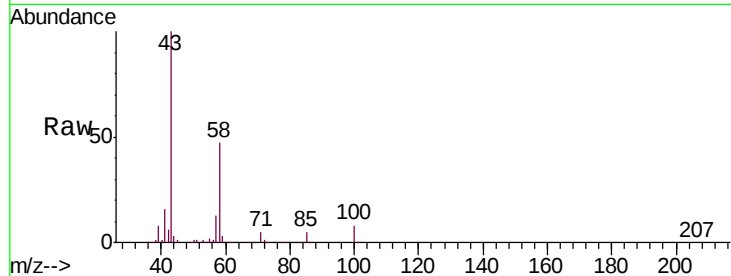




#59
2-Hexanone
Concen: 345.335 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

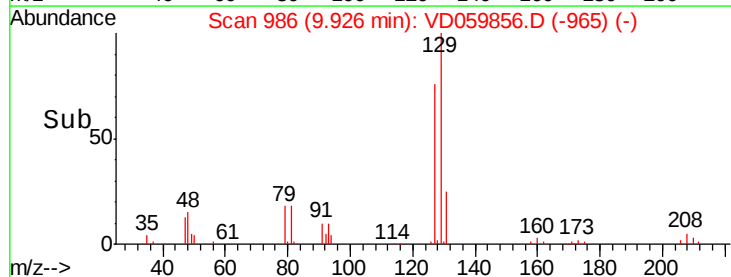
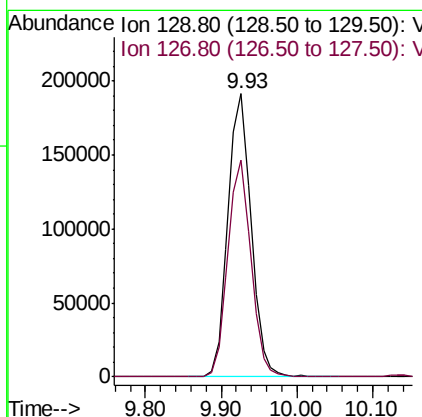
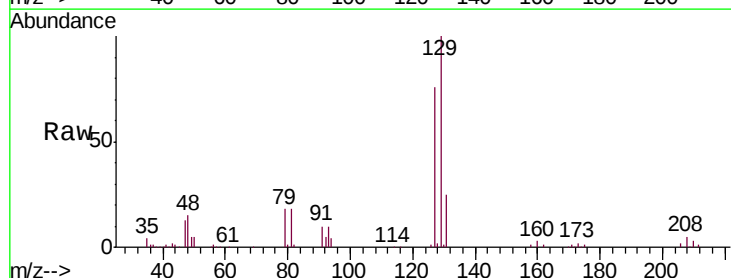
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

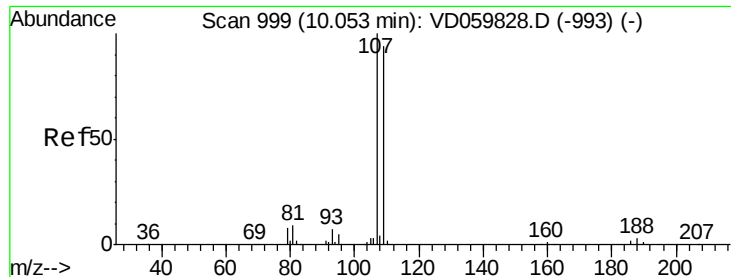
Tgt Ion: 43 Resp: 1677349
Ion Ratio Lower Upper
43 100
58 46.5 23.1 69.2



#60
Dibromochloromethane
Concen: 55.561 ug/l
RT: 9.93 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 129 Resp: 405604
Ion Ratio Lower Upper
129 100
127 76.4 39.0 116.9





#61

1,2-Dibromoethane

Concen: 57.512 ug/l

RT: 10.05 min Scan# 999

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

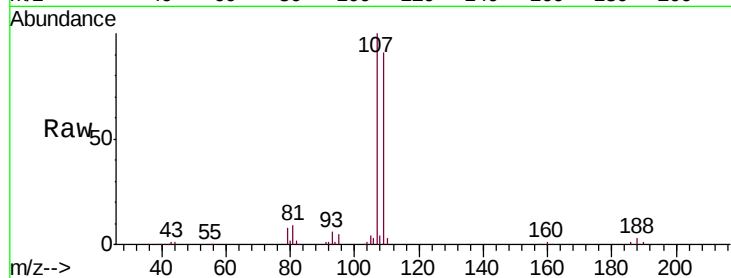
RA-081518-FL-031MSD

Tgt Ion: 107 Resp: 348399

Ion Ratio Lower Upper

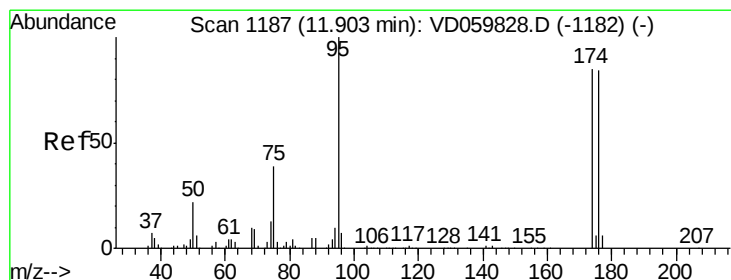
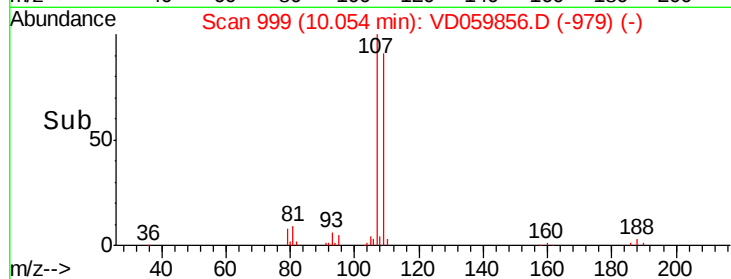
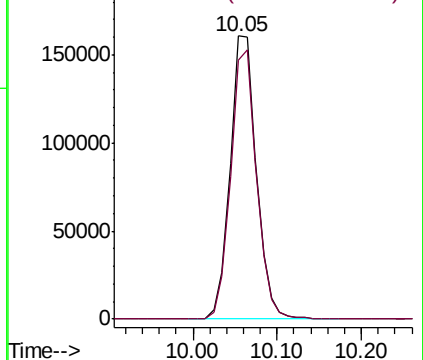
107 100

109 91.4 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 57.512 ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

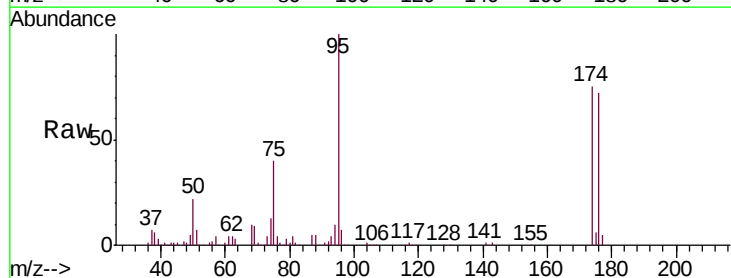
Tgt Ion: 95 Resp: 332822

Ion Ratio Lower Upper

95 100

174 75.5 0.0 169.2

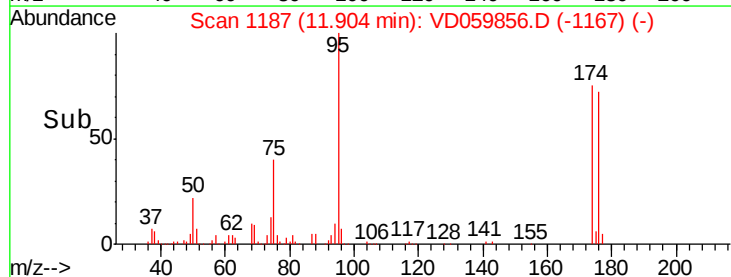
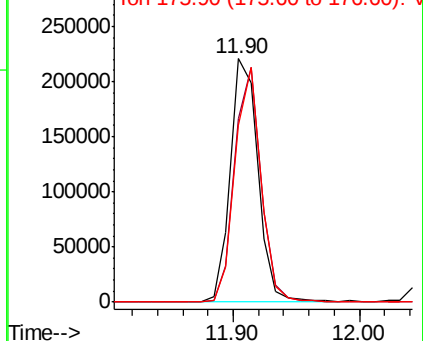
176 72.5 0.0 168.0

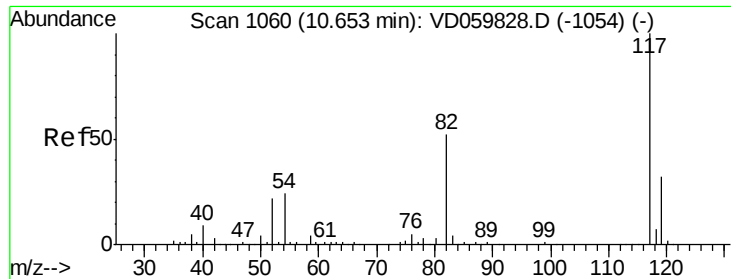


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

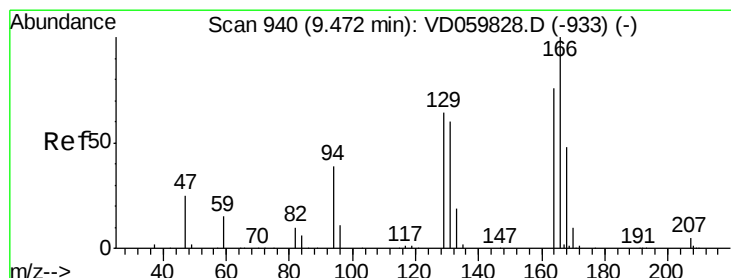
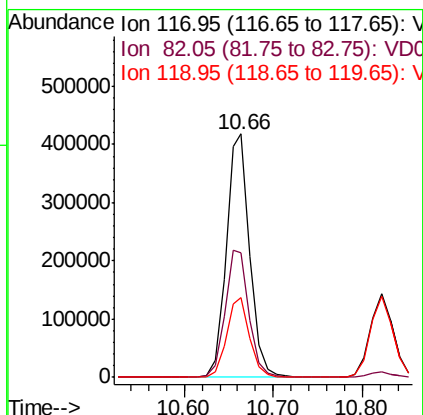
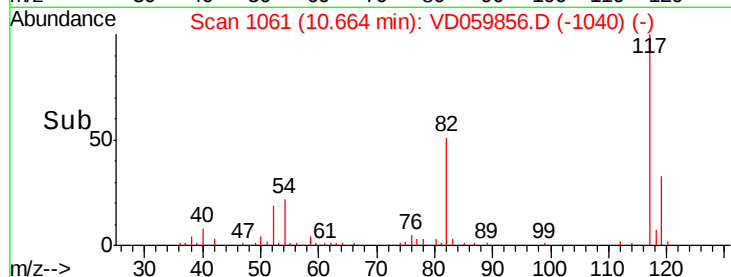
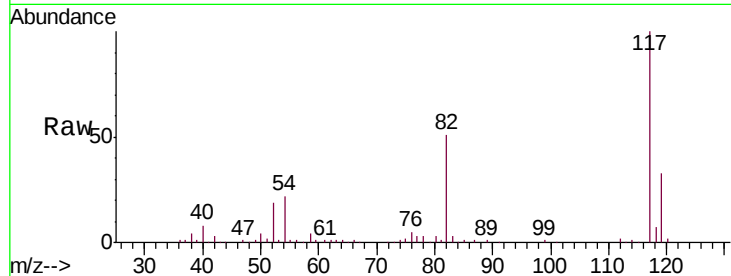




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

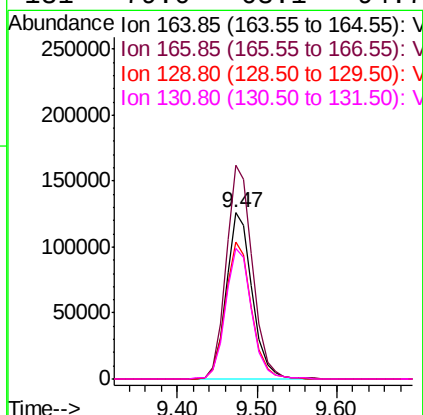
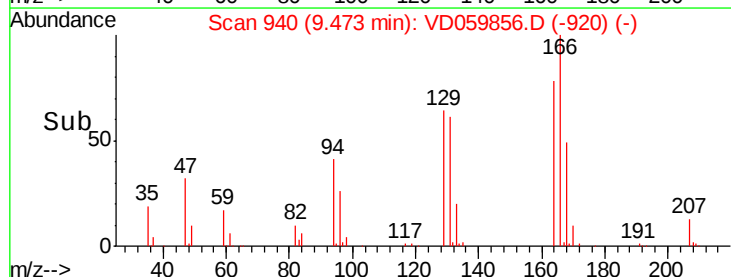
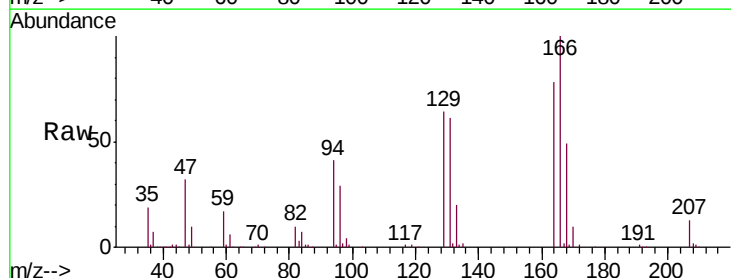
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

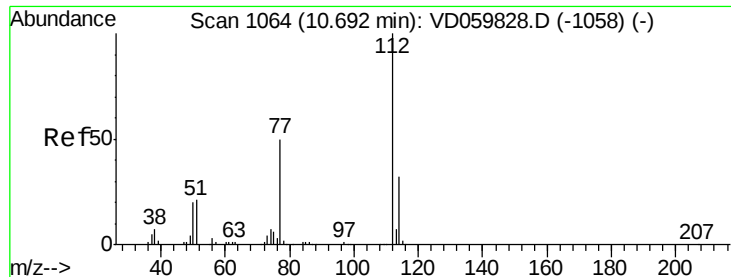
Tgt Ion:117 Resp: 770716
Ion Ratio Lower Upper
117 100
82 51.0 41.6 62.4
119 32.9 25.6 38.4



#64
Tetrachloroethene
Concen: 50.661 ug/l
RT: 9.47 min Scan# 940
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion:164 Resp: 285881
Ion Ratio Lower Upper
164 100
166 128.7 104.9 157.3
129 82.8 66.7 100.1
131 79.0 63.1 94.7

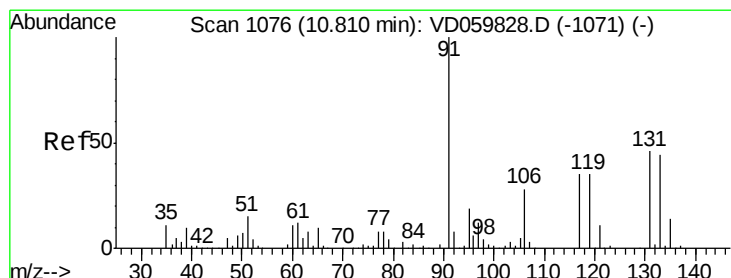
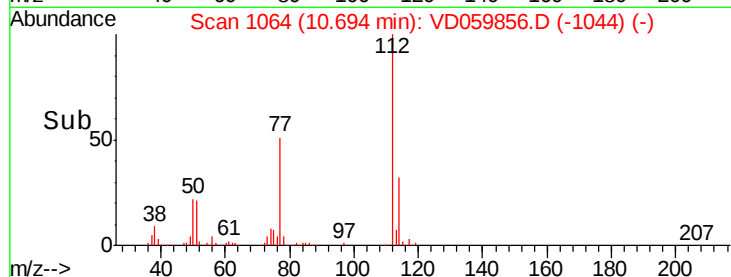
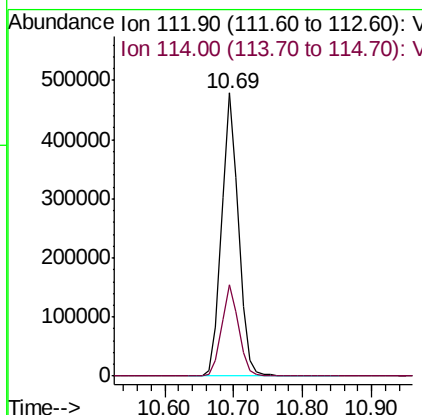
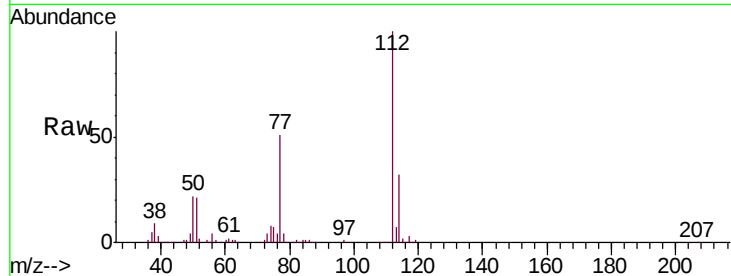




#65
Chlorobenzene
Concen: 54.713 ug/l
RT: 10.69 min Scan# 1064
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

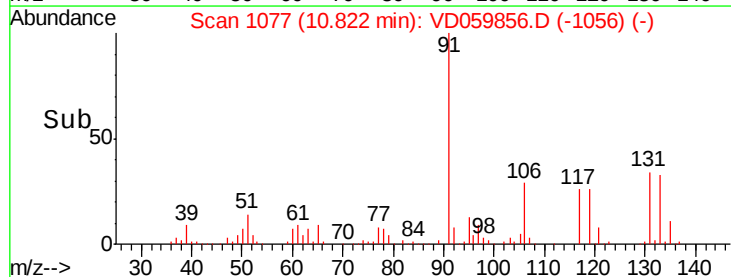
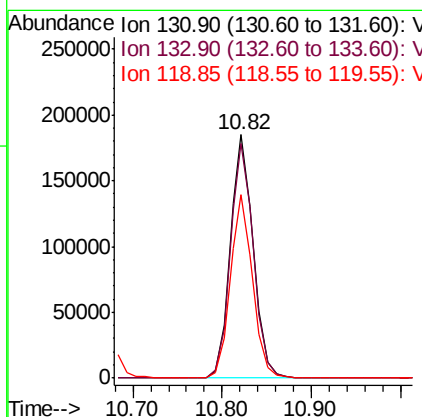
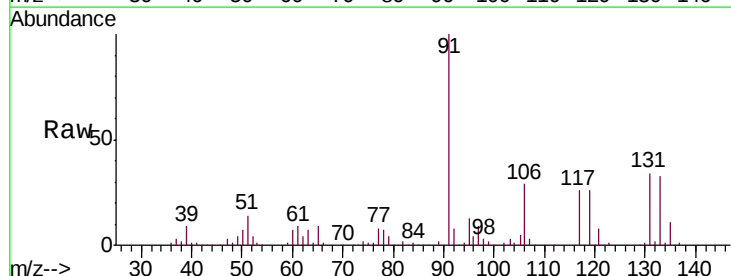
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

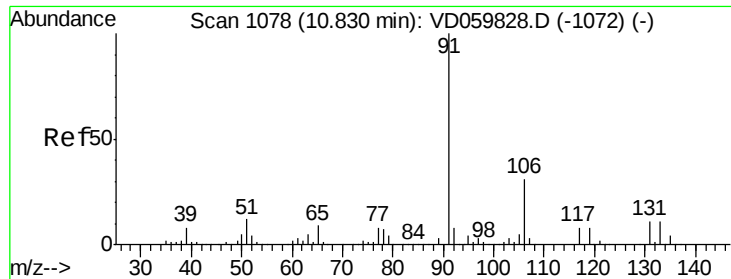
Tgt Ion:112 Resp: 813277
Ion Ratio Lower Upper
112 100
114 32.3 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 65.569 ug/l
RT: 10.82 min Scan# 1077
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion:131 Resp: 332644
Ion Ratio Lower Upper
131 100
133 96.5 47.1 141.4
119 75.3 37.5 112.7

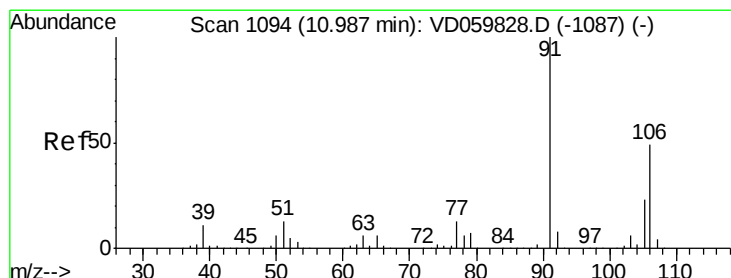
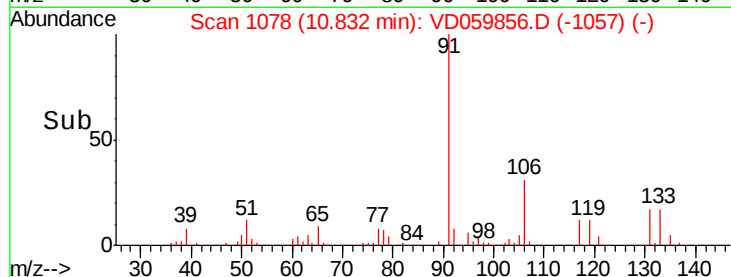
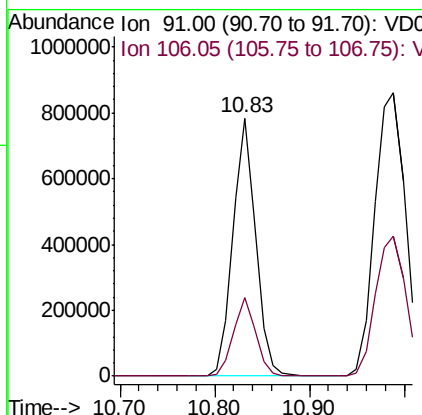
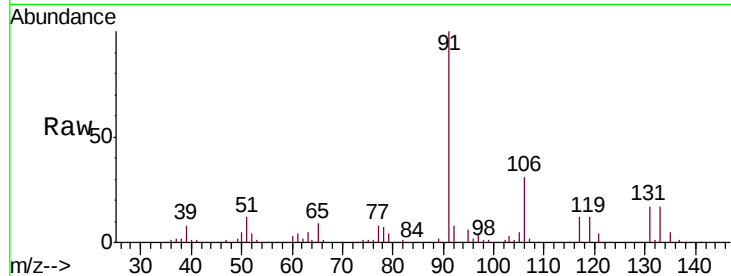




#67
Ethyl Benzene
Concen: 54.889 ug/l
RT: 10.83 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

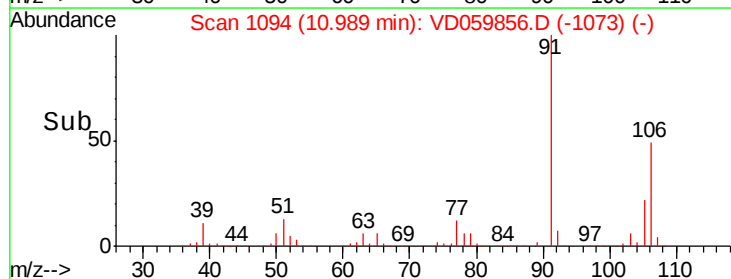
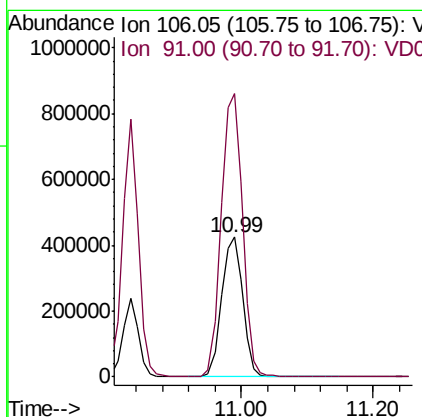
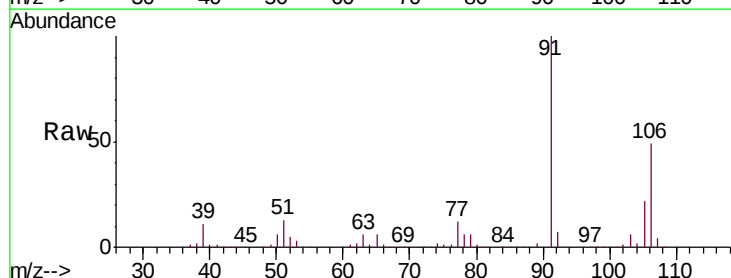
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

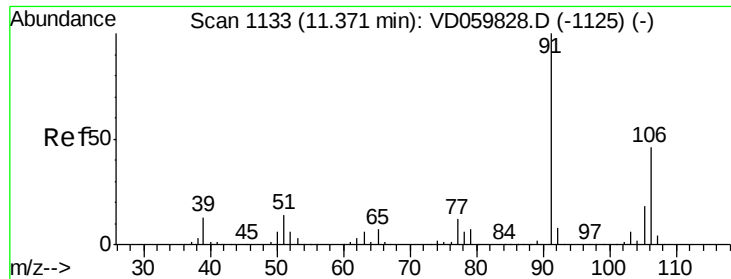
Tgt Ion: 91 Resp: 1309911
Ion Ratio Lower Upper
91 100
106 30.6 25.1 37.7



#68
m/p-Xylenes
Concen: 107.688 ug/l
RT: 10.99 min Scan# 1094
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 106 Resp: 951105
Ion Ratio Lower Upper
106 100
91 202.4 161.8 242.8

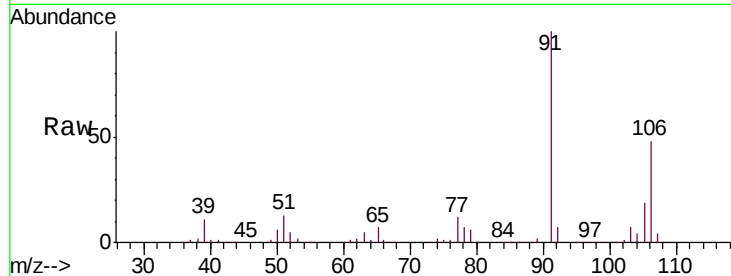




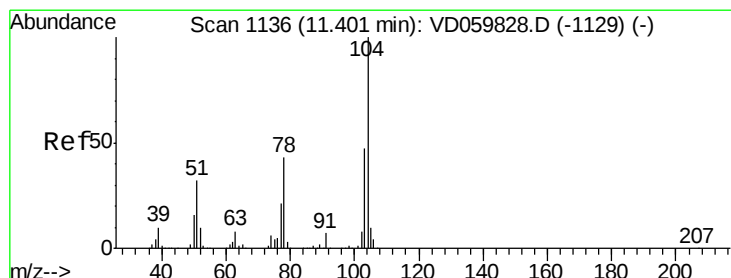
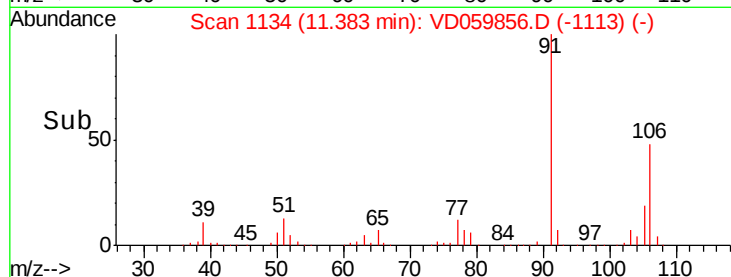
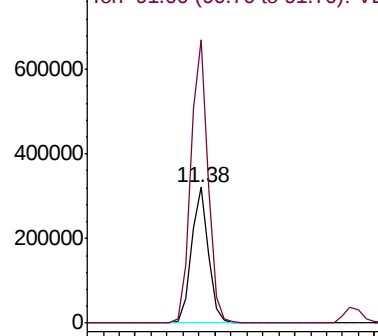
#69
o-Xylene
Concen: 55.900 ug/l
RT: 11.38 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion:106 Resp: 481468
Ion Ratio Lower Upper
106 100
91 208.6 108.5 325.3

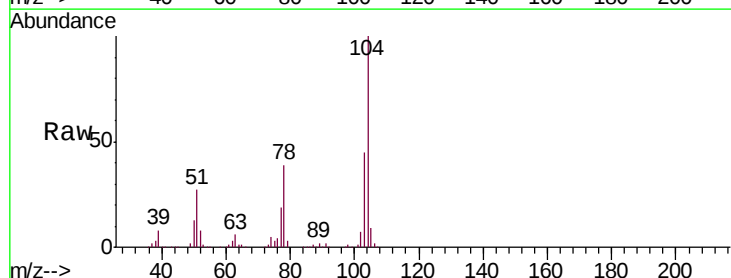


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): VDC

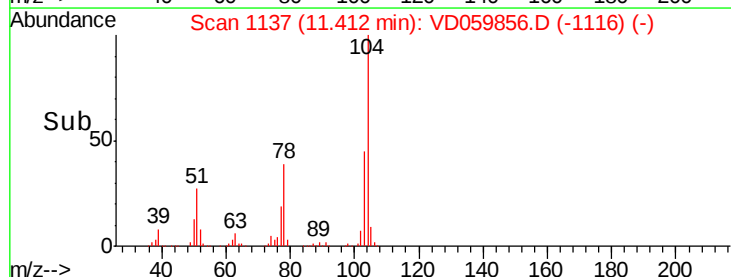
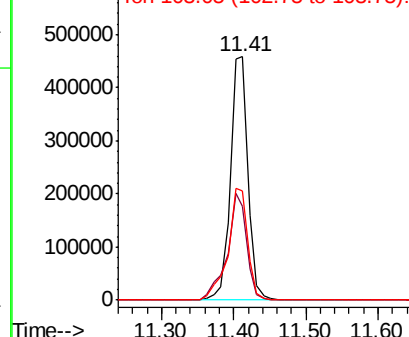


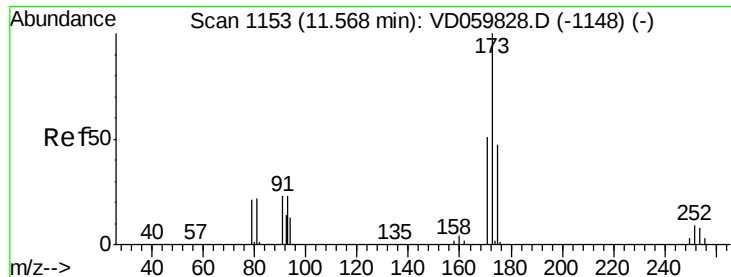
#70
Styrene
Concen: 51.270 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion:104 Resp: 768953
Ion Ratio Lower Upper
104 100
78 38.8 34.6 52.0
103 44.6 37.8 56.6



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





#71

Bromoform

Concen: 63.064 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

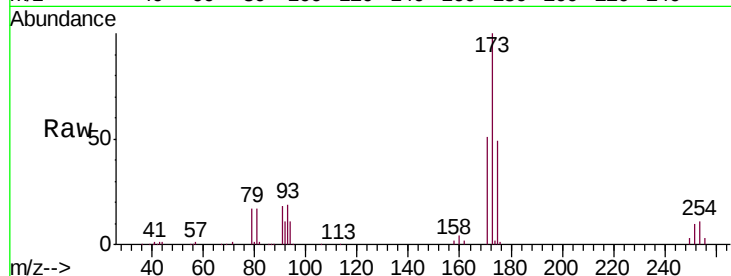
Tgt Ion:173 Resp: 287507

Ion Ratio Lower Upper

173 100

175 48.6 23.7 71.1

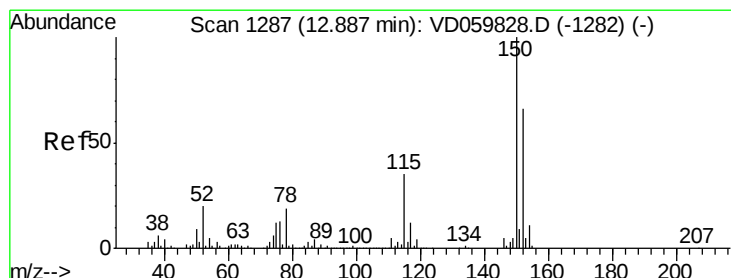
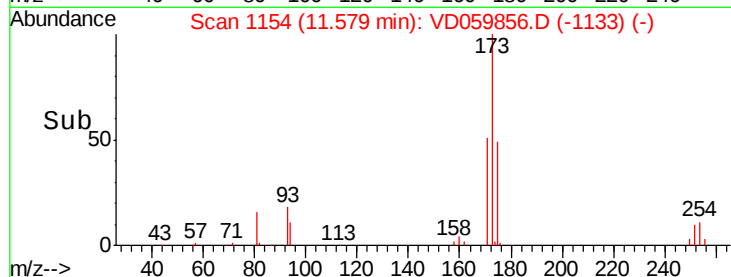
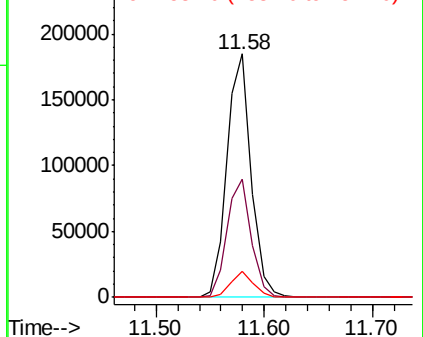
254 10.5 6.7 10.1#



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: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

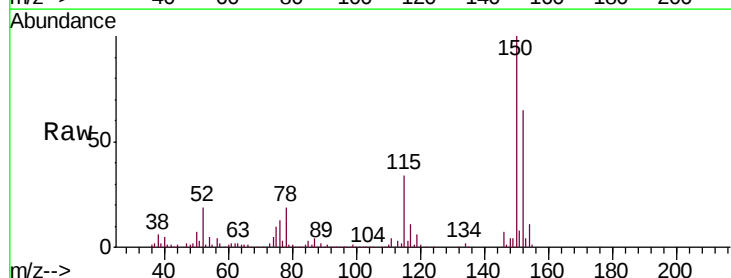
Tgt Ion:152 Resp: 256061

Ion Ratio Lower Upper

152 100

115 51.7 26.9 80.6

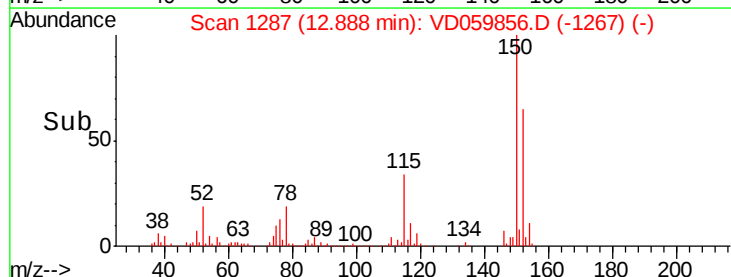
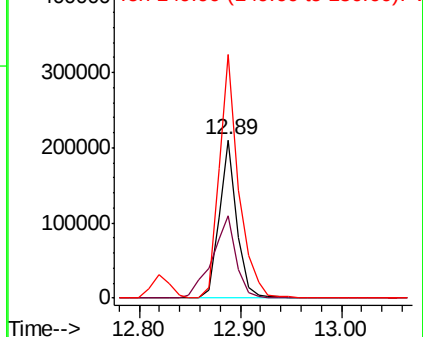
150 153.8 0.0 306.8

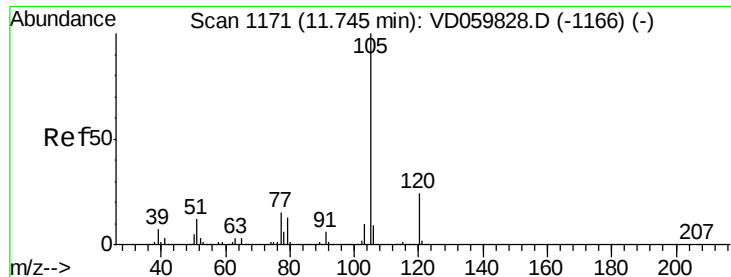


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 61.887 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

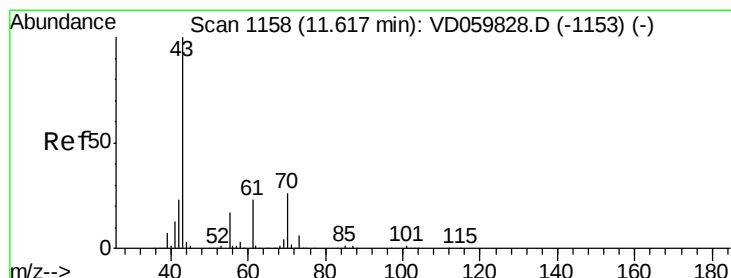
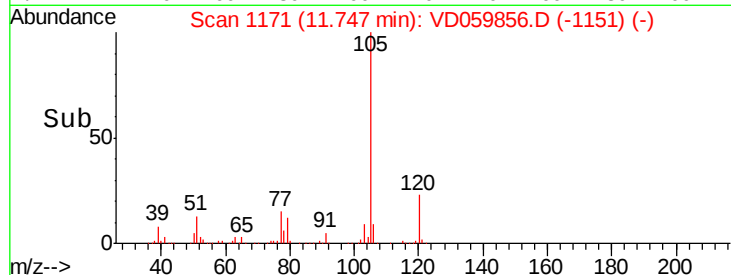
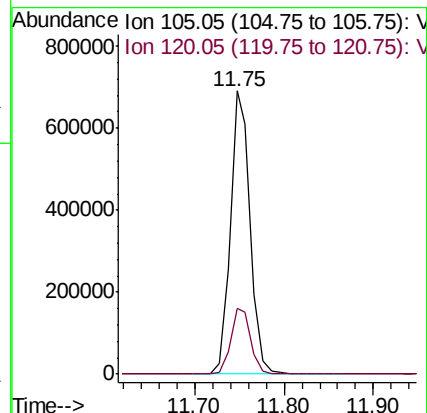
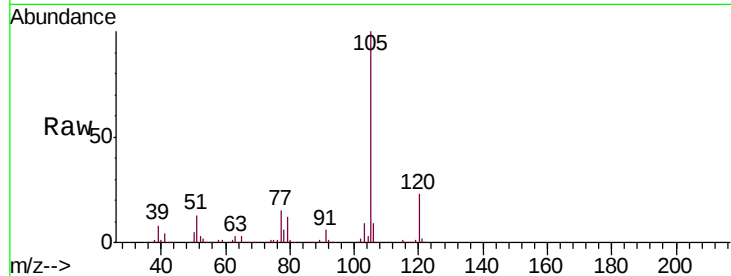
RA-081518-FL-031MSD

Tgt Ion: 105 Resp: 1079940

Ion Ratio Lower Upper

105 100

120 23.2 11.9 35.5



#74

N-ethyl acetate

Concen: 66.073 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion: 43 Resp: 516277

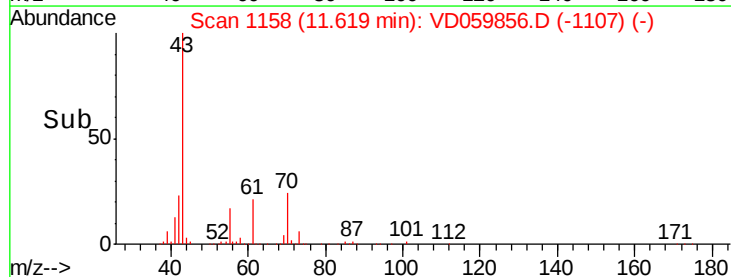
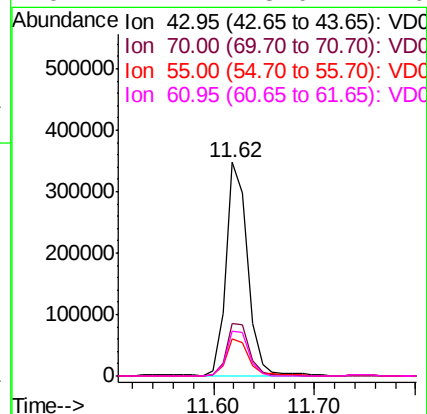
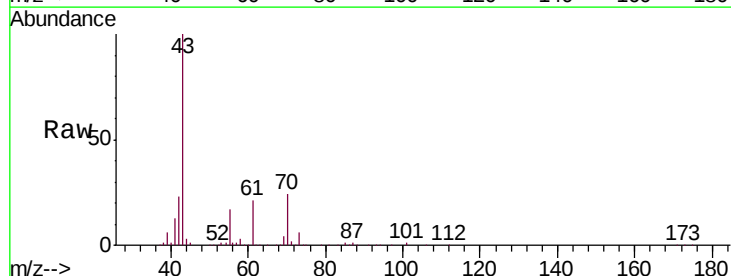
Ion Ratio Lower Upper

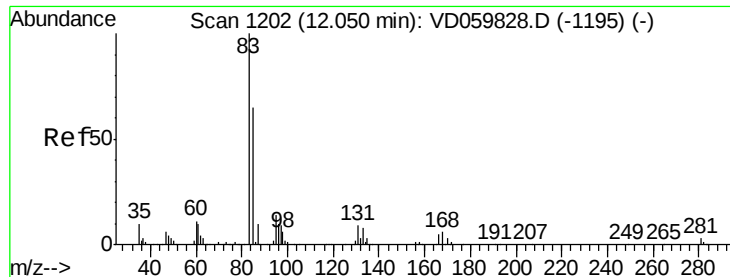
43 100

70 24.3 20.5 30.7

55 17.1 13.7 20.5

61 21.2 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 92.047 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

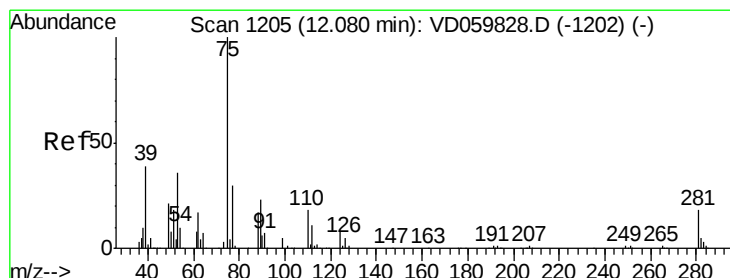
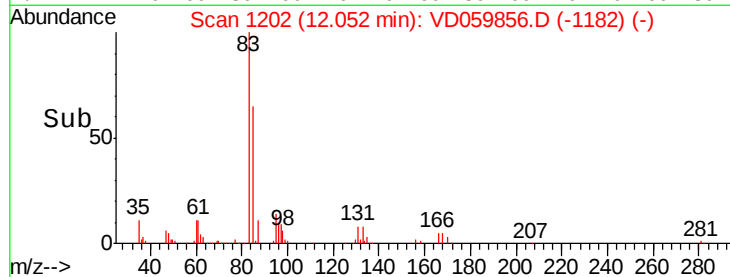
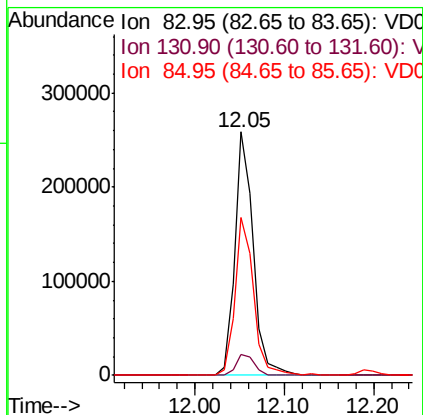
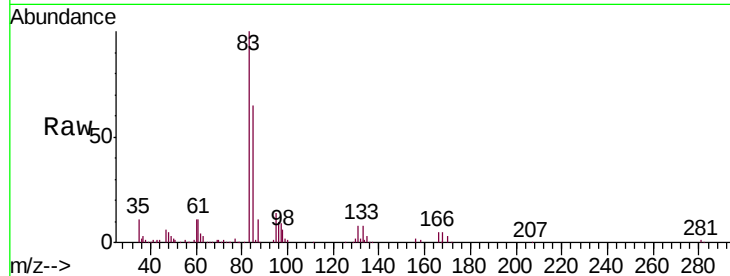
Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

Tgt Ion:	83	Resp:	378607
Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	13.1
85	64.8	32.5	97.5



#76

1,2,3-Trichloropropane

Concen: 90.331 ug/l

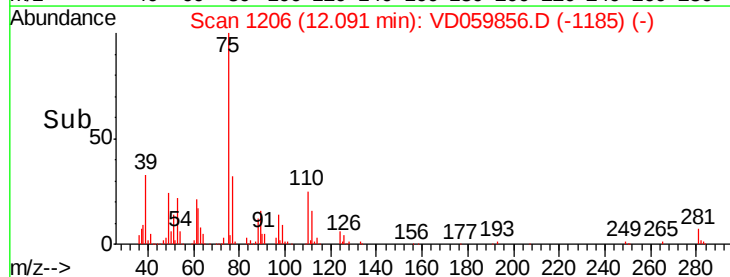
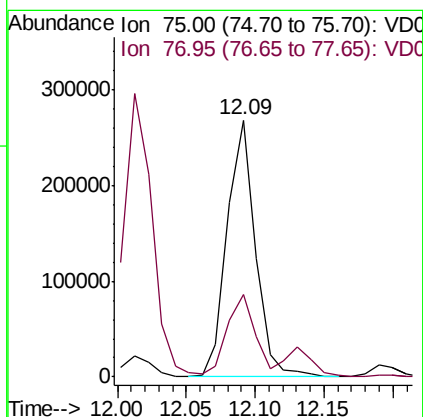
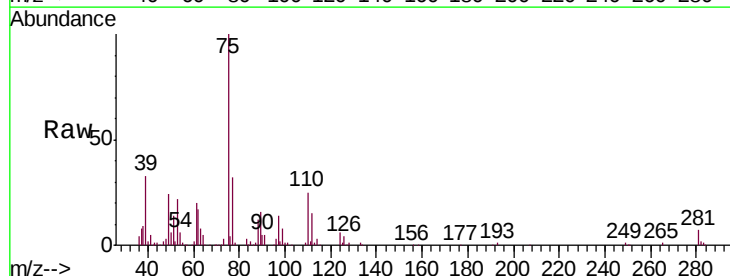
RT: 12.09 min Scan# 1206

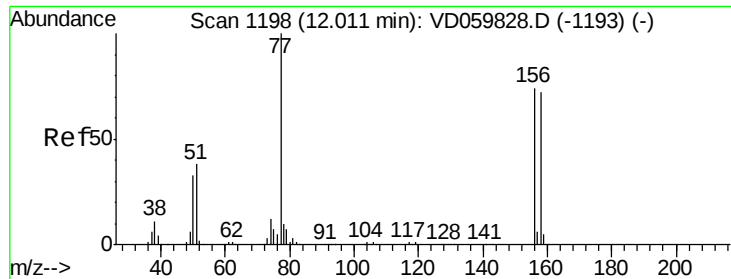
Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Tgt Ion:	75	Resp:	382665
Ion	Ratio	Lower	Upper
75	100		
77	32.2	16.0	47.9

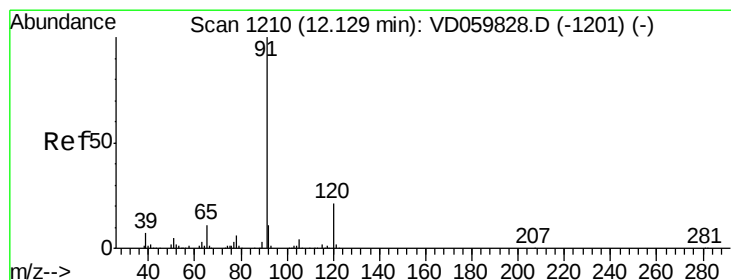
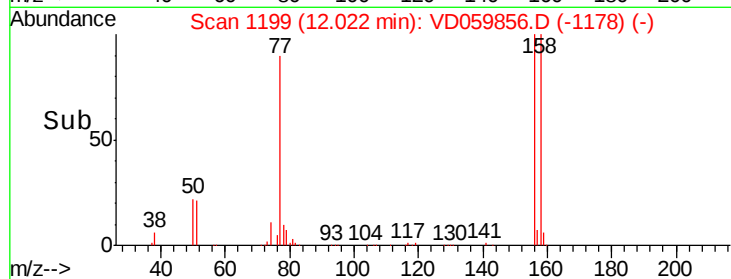
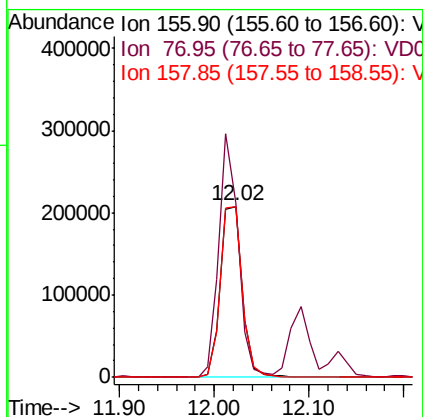
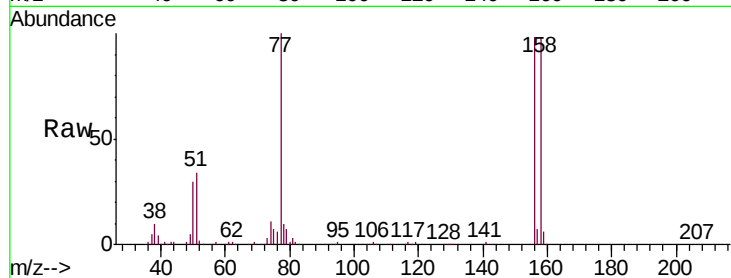




#77
Bromobenzene
Concen: 68.539 ug/l
RT: 12.02 min Scan# 1199
Delta R.T. 0.01 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

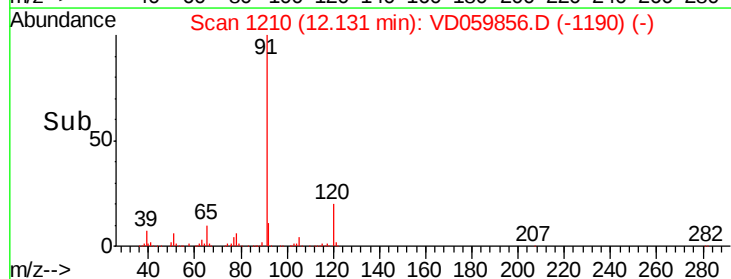
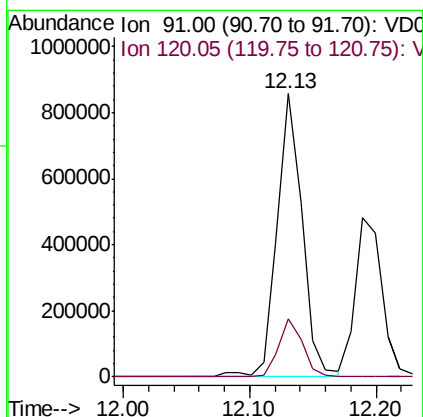
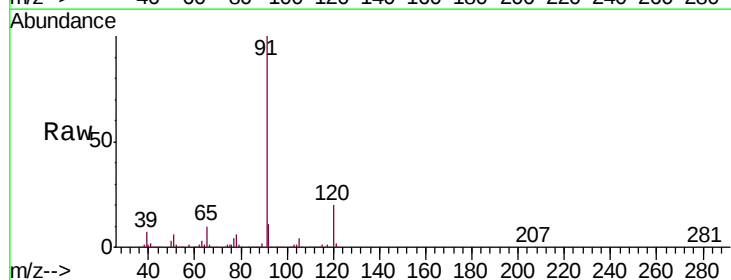
Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

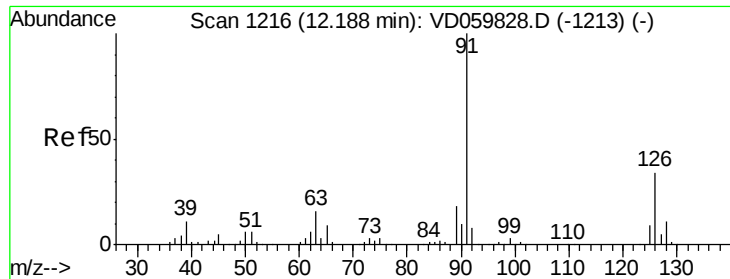
Tgt Ion: 156 Resp: 332439
Ion Ratio Lower Upper
156 100
77 101.9 68.0 204.0
158 99.6 48.9 146.8



#78
n-propylbenzene
Concen: 54.876 ug/l
RT: 12.13 min Scan# 1210
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion: 91 Resp: 1189399
Ion Ratio Lower Upper
91 100
120 20.3 10.5 31.5

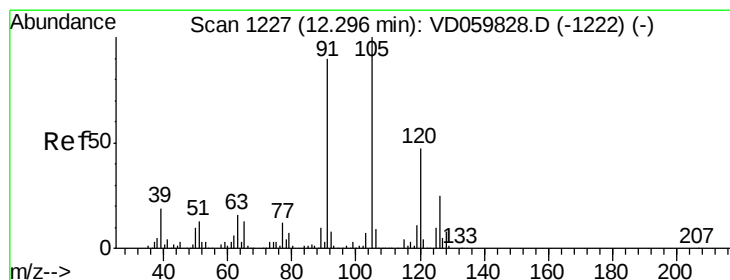
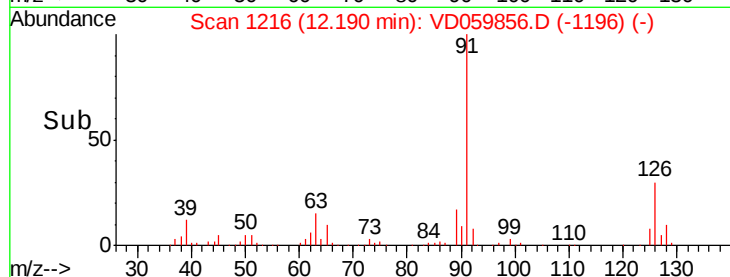
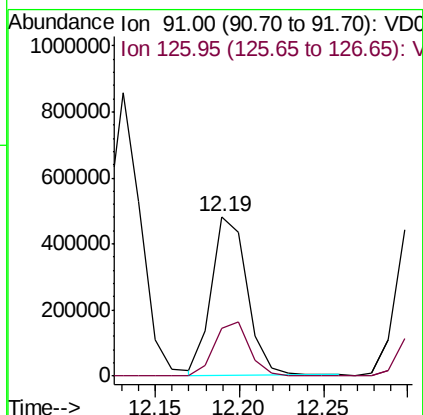
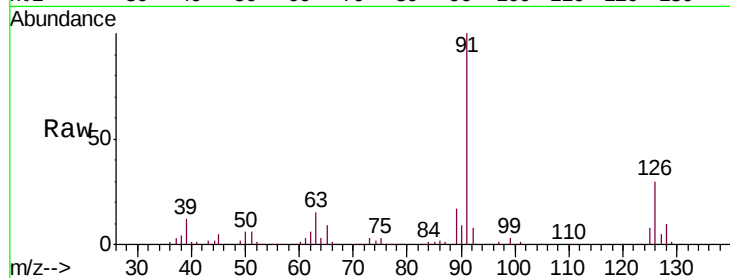




#79
 2-Chlorotoluene
 Concen: 56.453 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

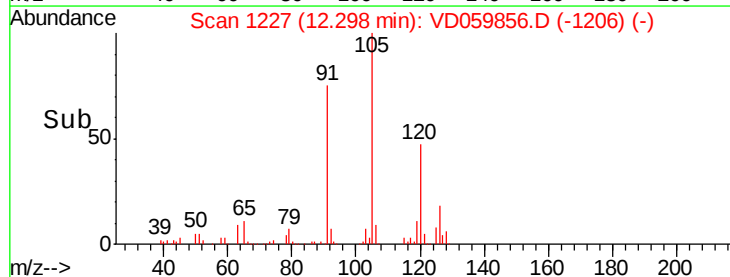
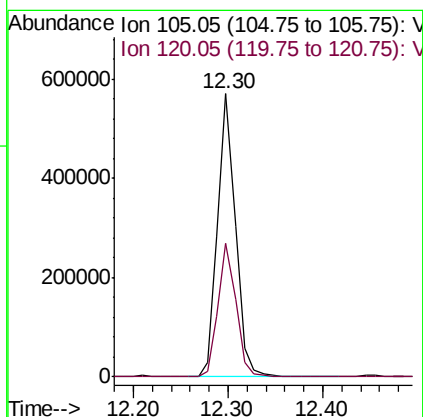
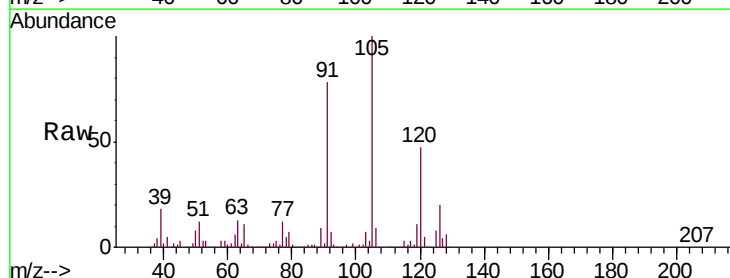
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

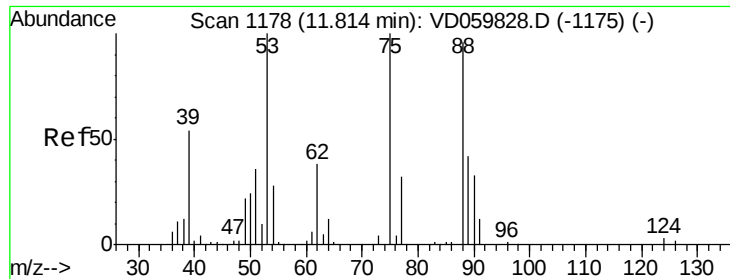
Tgt Ion: 91 Resp: 704424
 Ion Ratio Lower Upper
 91 100
 126 30.0 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 60.956 ug/l
 RT: 12.30 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 105 Resp: 748038
 Ion Ratio Lower Upper
 105 100
 120 47.1 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 88.000 ug/l

RT: 11.83 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

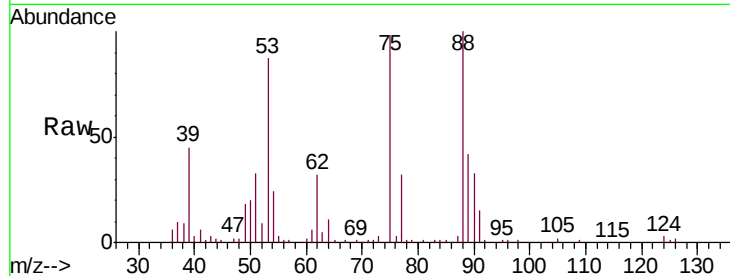
Tgt Ion: 75 Resp: 116537

Ion Ratio Lower Upper

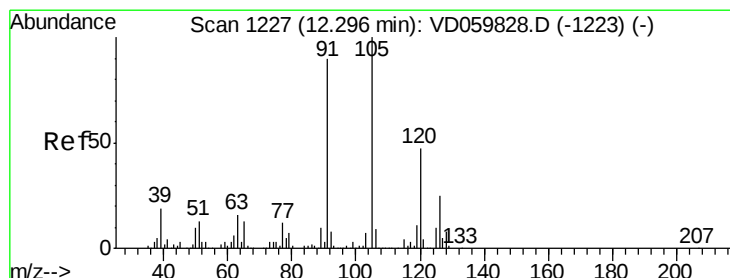
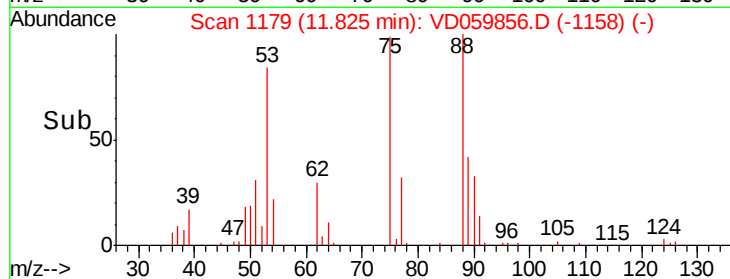
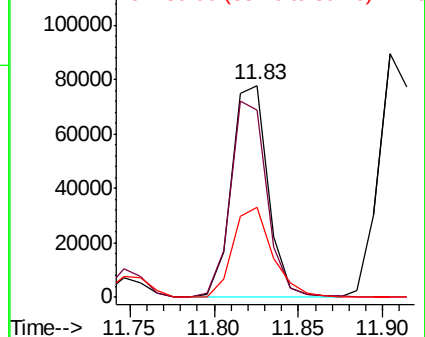
75 100

53 88.4 80.7 121.1

89 42.8 33.9 50.9



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



#82

4-Chlorotoluene

Concen: 64.031 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VD059856.D

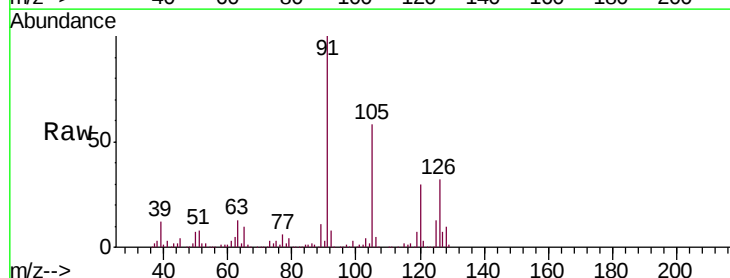
Acq: 21 Aug 2018 15:25

Tgt Ion: 91 Resp: 758090

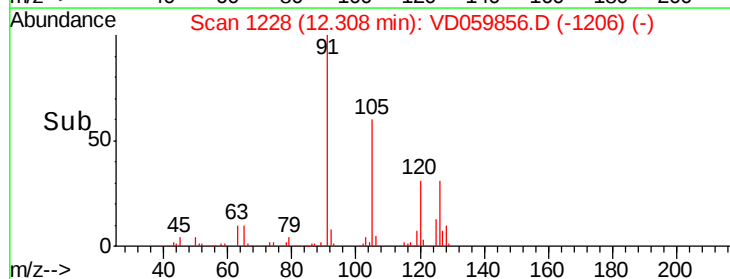
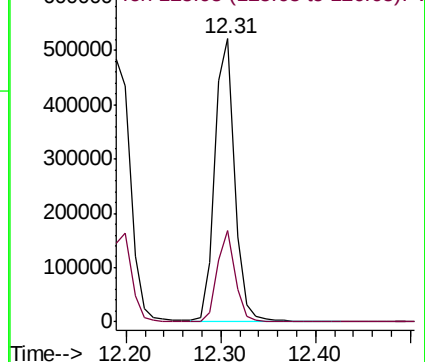
Ion Ratio Lower Upper

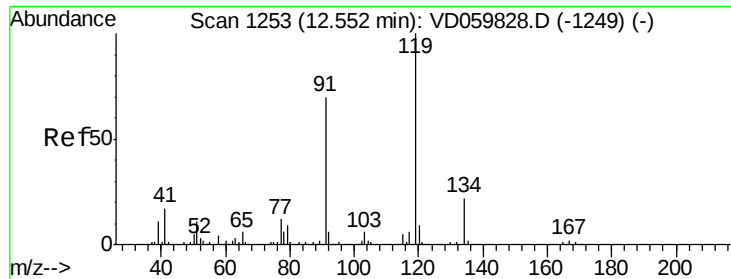
91 100

126 32.1 13.7 41.0



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

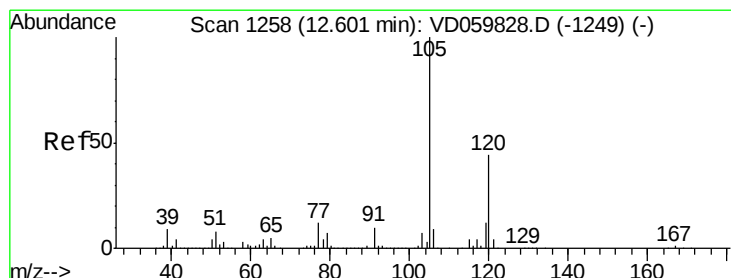
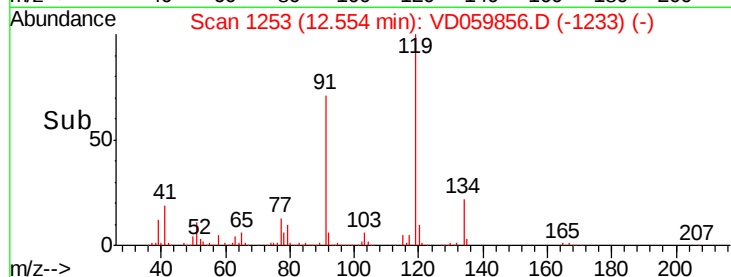
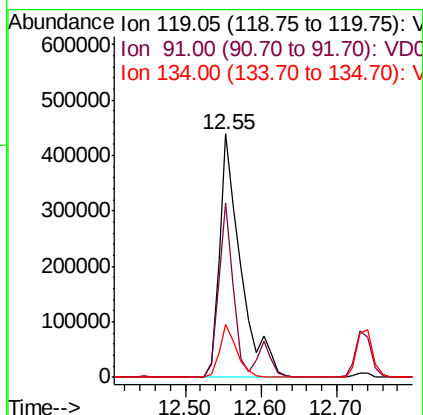
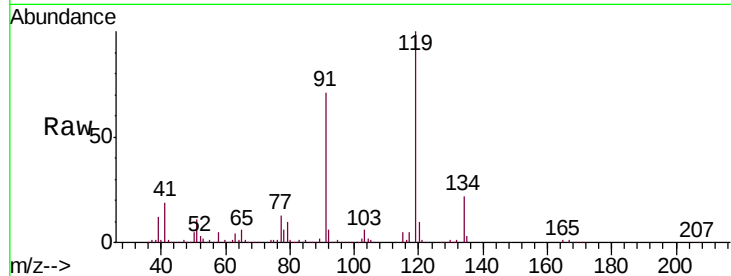




#83
 tert-Butylbenzene
 Concen: 62.846 ug/l
 RT: 12.55 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

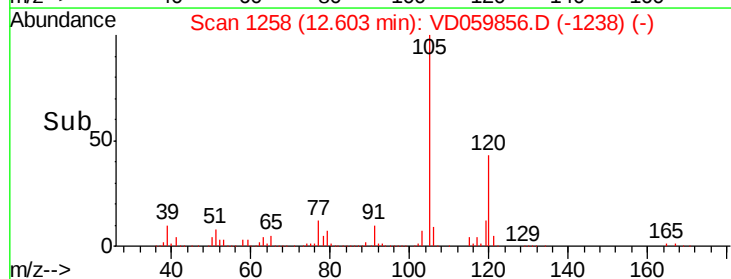
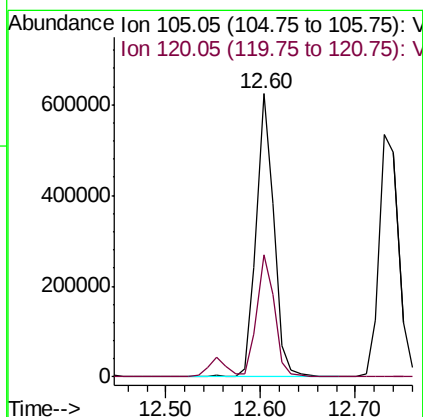
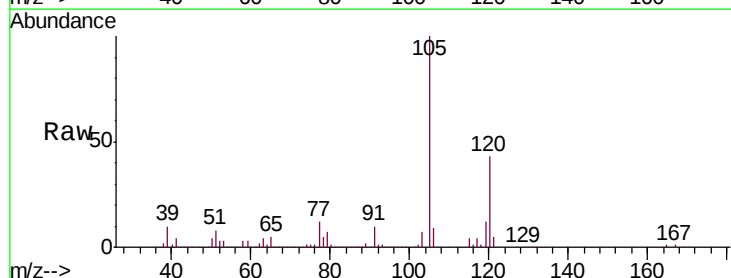
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

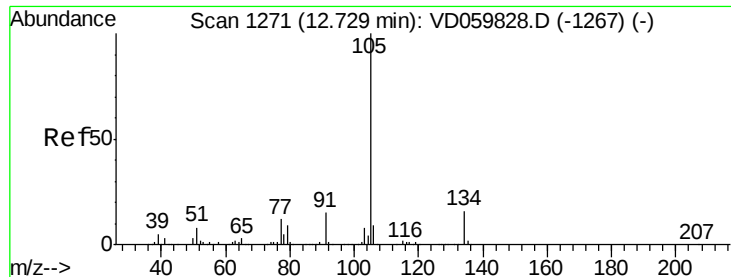
Tgt Ion:119 Resp: 865095
 Ion Ratio Lower Upper
 119 100
 91 71.4 35.1 105.3
 134 21.9 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 56.110 ug/l
 RT: 12.60 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion:105 Resp: 805689
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.0 66.0

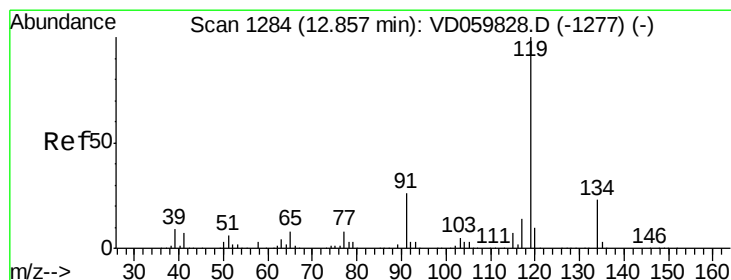
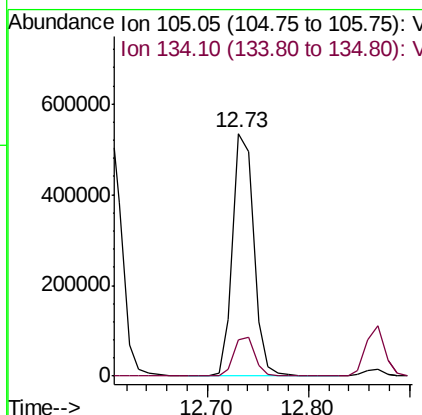
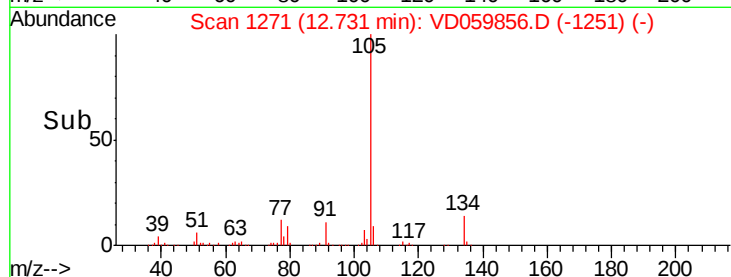
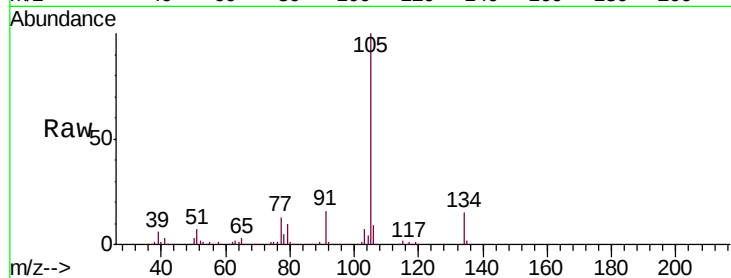




#85
 sec-Butylbenzene
 Concen: 42.323 ug/l
 RT: 12.73 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

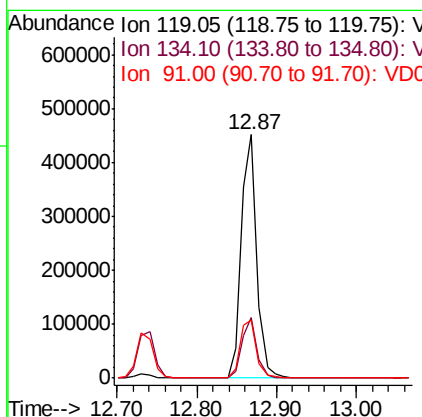
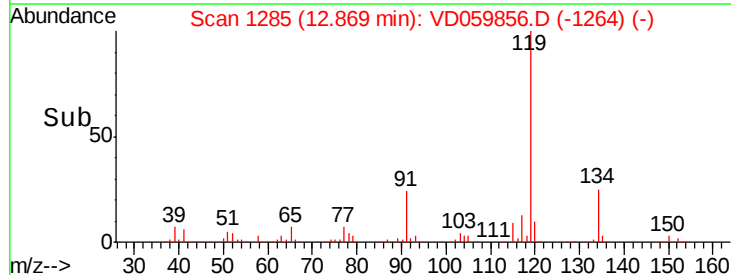
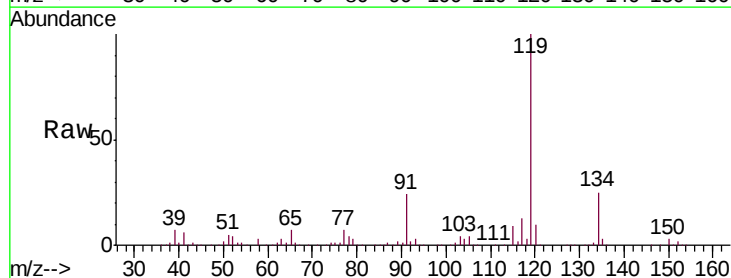
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

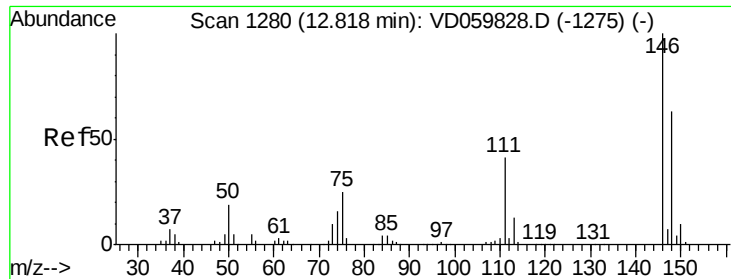
Tgt Ion:105 Resp: 772669
 Ion Ratio Lower Upper
 105 100
 134 14.8 7.8 23.5



#86
 p-Isopropyltoluene
 Concen: 42.701 ug/l
 RT: 12.87 min Scan# 1285
 Delta R.T. 0.01 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion:119 Resp: 611526
 Ion Ratio Lower Upper
 119 100
 134 24.8 11.5 34.5
 91 23.9 13.2 39.6

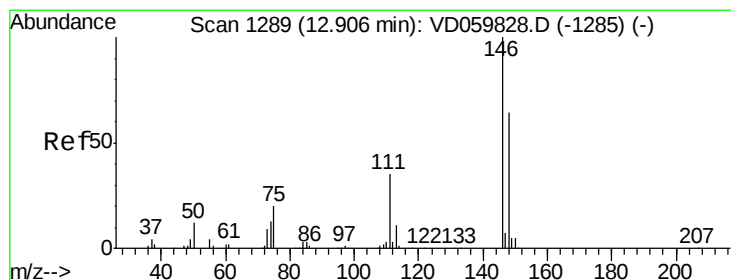
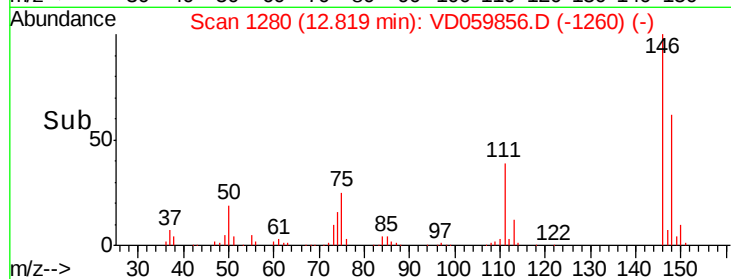
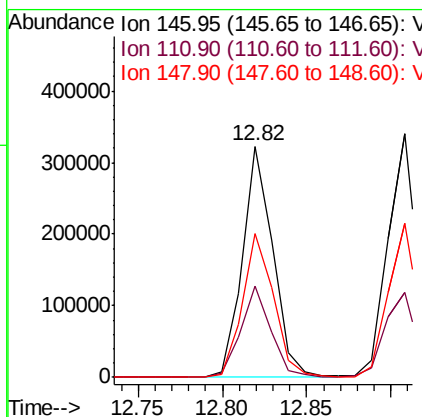
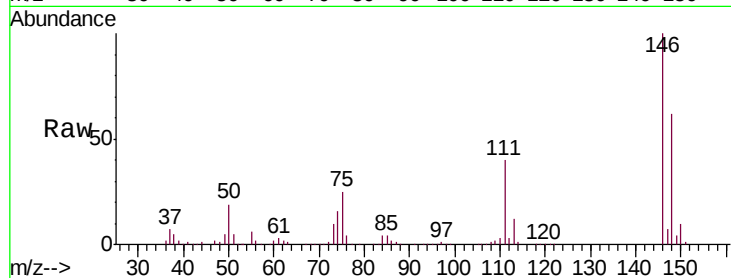




#87
 1,3-Dichlorobenzene
 Concen: 49.751 ug/l
 RT: 12.82 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

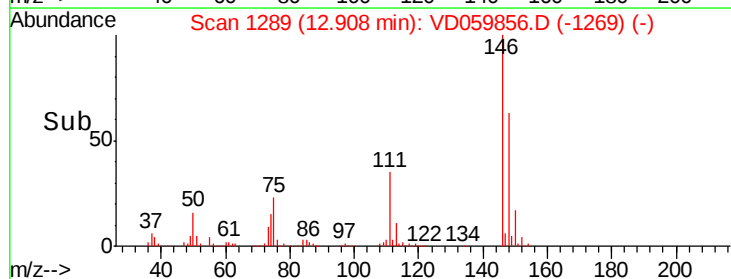
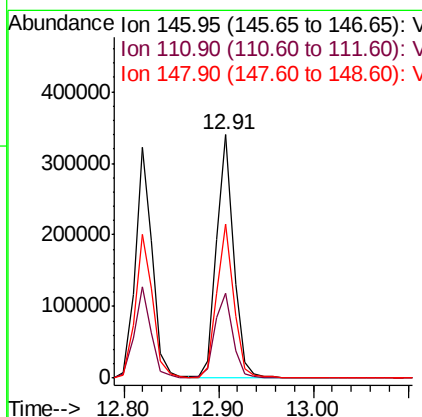
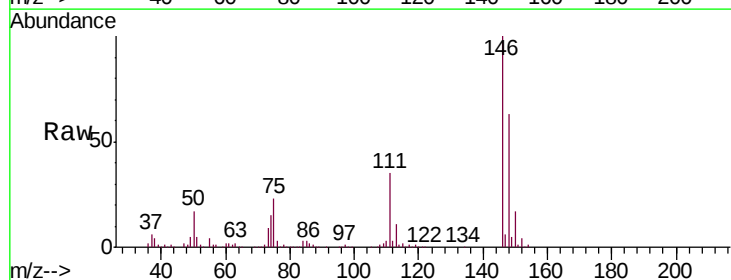
Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

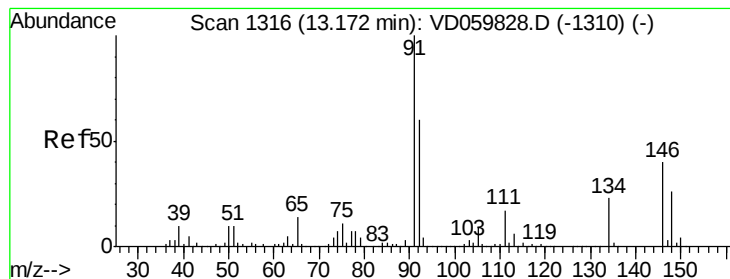
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.7	20.3	60.9
148	62.2	31.6	94.7



#88
 1,4-Dichlorobenzene
 Concen: 52.711 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.6	17.8	53.3
148	63.3	31.9	95.9





#89

n-Butylbenzene

Concen: 33.432 ug/l

RT: 13.17 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD059856.D

Acq: 21 Aug 2018 15:25

Instrument :

MSVOA_D

ClientSampleId :

RA-081518-FL-031MSD

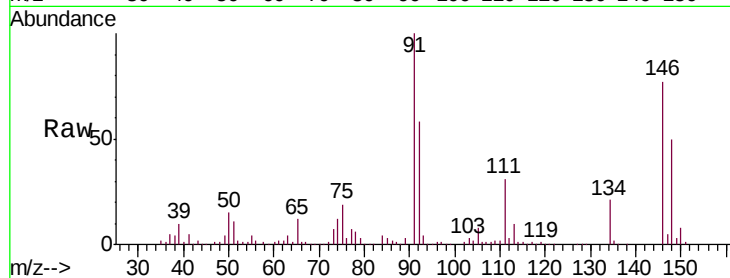
Tgt Ion: 91 Resp: 478101

Ion Ratio Lower Upper

91 100

92 58.0 29.8 89.5

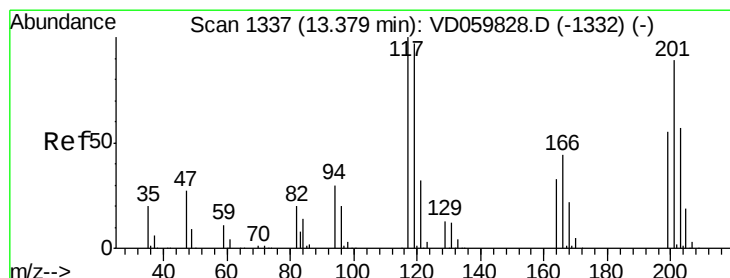
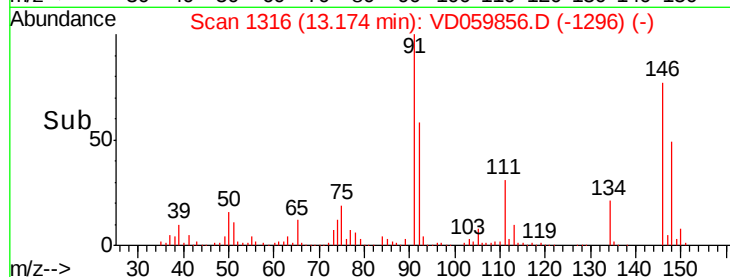
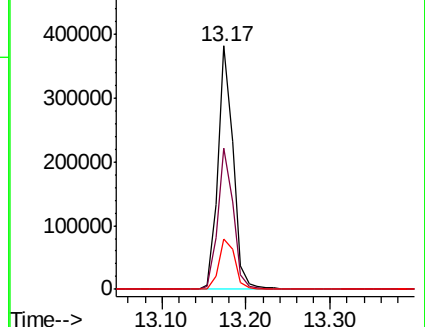
134 20.8 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 92.00 (91.70 to 92.70): VDC

Ion 134.10 (133.80 to 134.80): VDC



#90

Hexachloroethane

Concen: 40.987 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VD059856.D

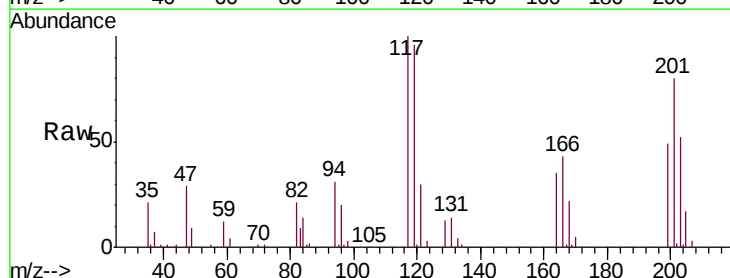
Acq: 21 Aug 2018 15:25

Tgt Ion: 117 Resp: 167476

Ion Ratio Lower Upper

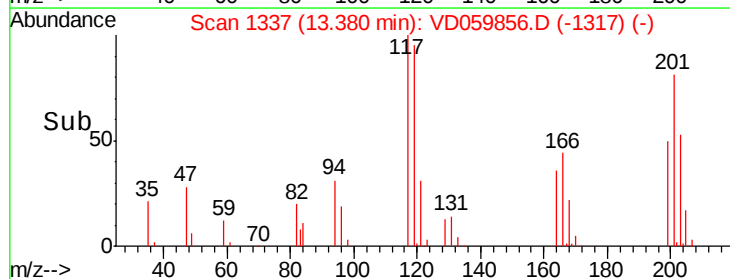
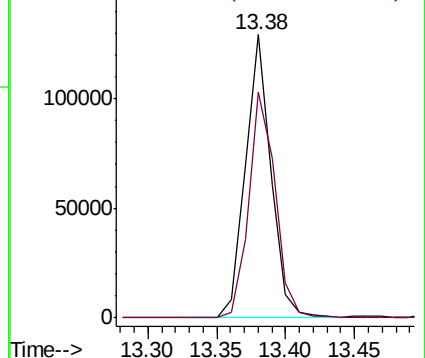
117 100

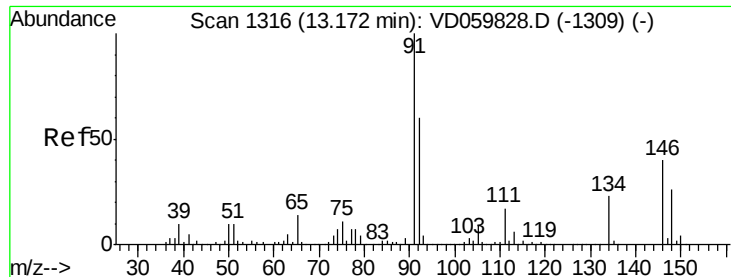
201 79.7 44.6 134.0



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC

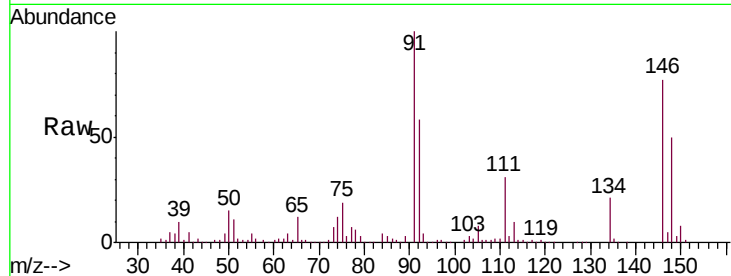




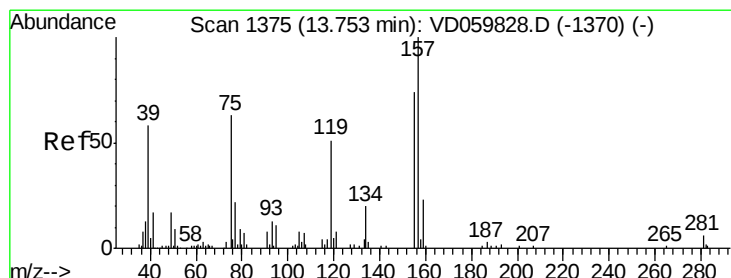
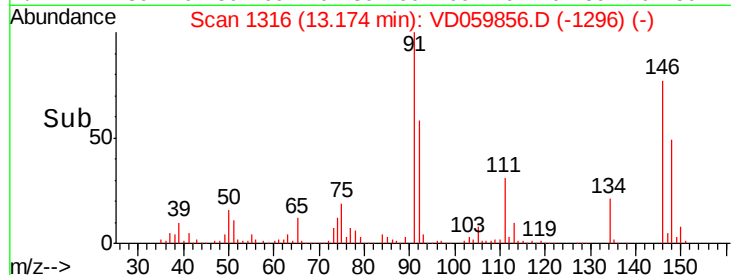
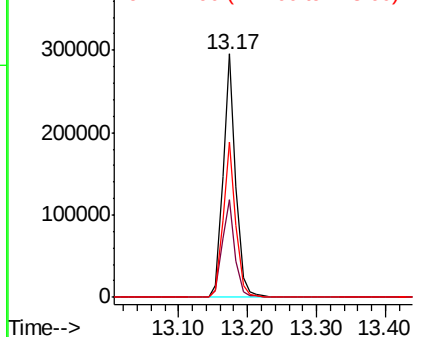
#91
 1,2-Dichlorobenzene
 Concen: 63.421 ug/l
 RT: 13.17 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion: 146 Resp: 372640
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.9 62.8
 148 64.0 31.6 94.8

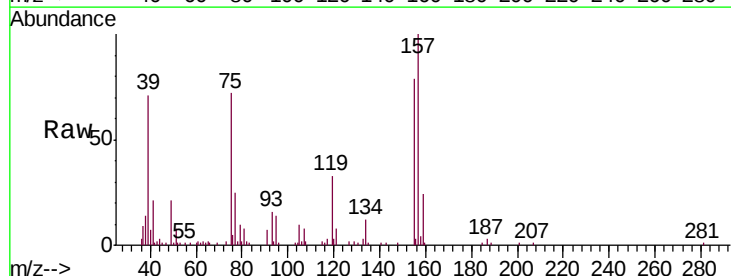


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

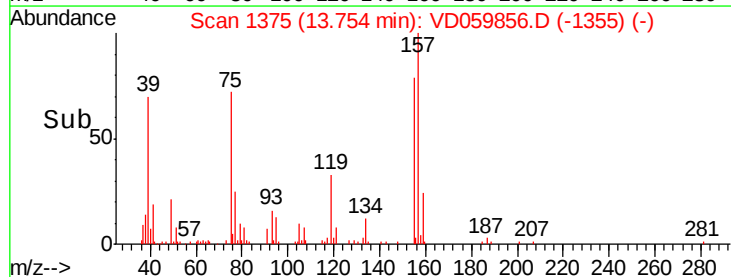
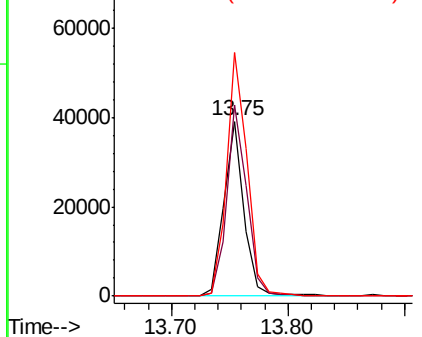


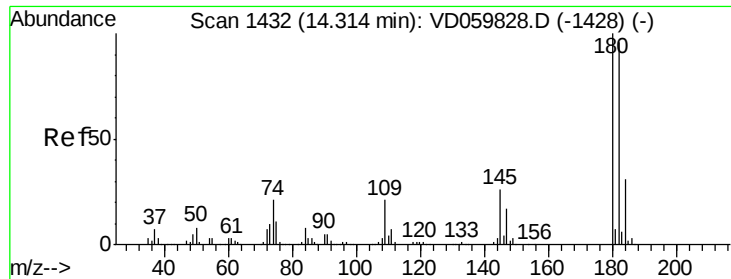
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 76.398 ug/l
 RT: 13.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion: 75 Resp: 46776
 Ion Ratio Lower Upper
 75 100
 155 109.5 59.1 177.3
 157 139.5 79.7 238.9



Abundance Ion 75.00 (74.70 to 75.70): V
 Ion 154.90 (154.60 to 155.60): V
 Ion 156.85 (156.55 to 157.55): V

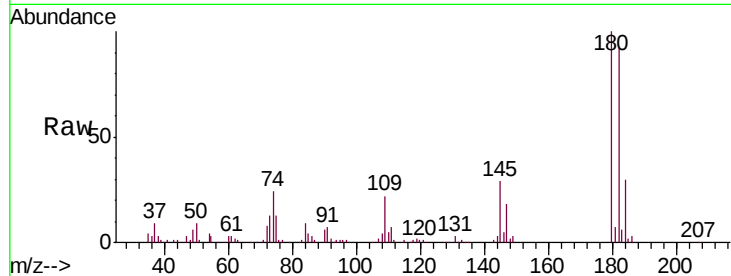




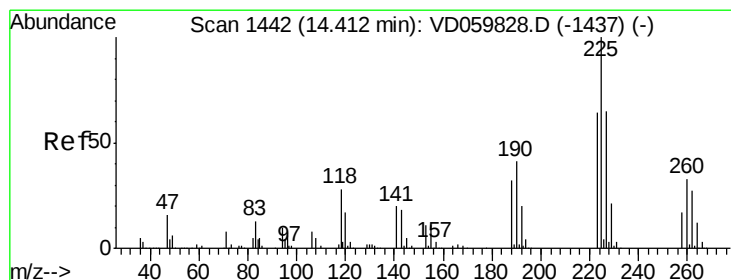
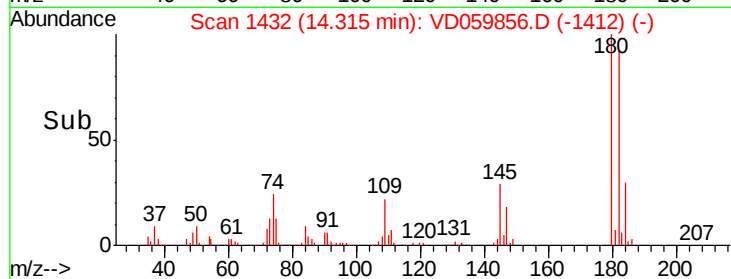
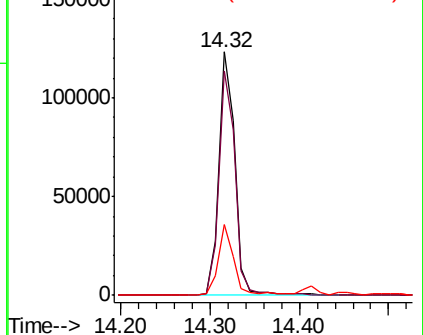
#93
 1,2,4-Trichlorobenzene
 Concen: 26.630 ug/l
 RT: 14.32 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Instrument :
 MSVOA_D
 ClientSampleId :
 RA-081518-FL-031MSD

Tgt Ion:180 Resp: 156120
 Ion Ratio Lower Upper
 180 100
 182 92.0 48.0 144.0
 145 29.1 13.1 39.1

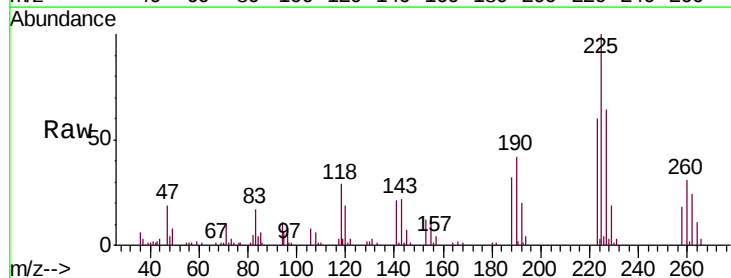


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

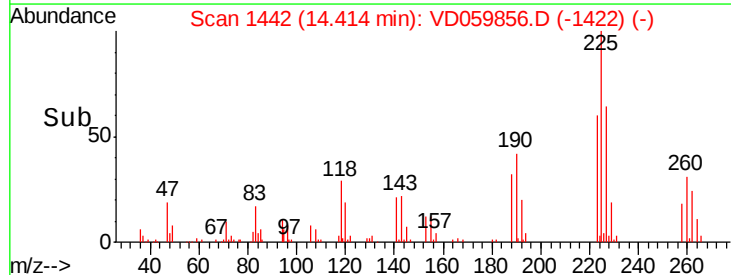
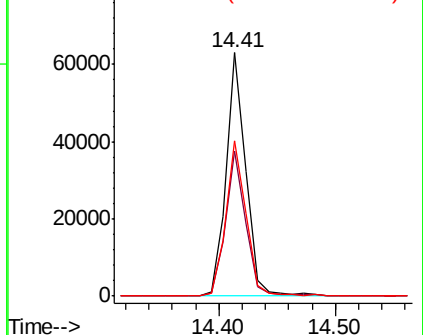


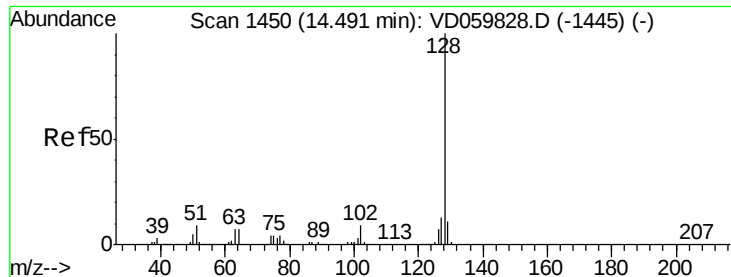
#94
 Hexachlorobutadiene
 Concen: 18.686 ug/l
 RT: 14.41 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD059856.D
 Acq: 21 Aug 2018 15:25

Tgt Ion:225 Resp: 73698
 Ion Ratio Lower Upper
 225 100
 223 59.7 31.8 95.4
 227 63.8 32.8 98.3



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

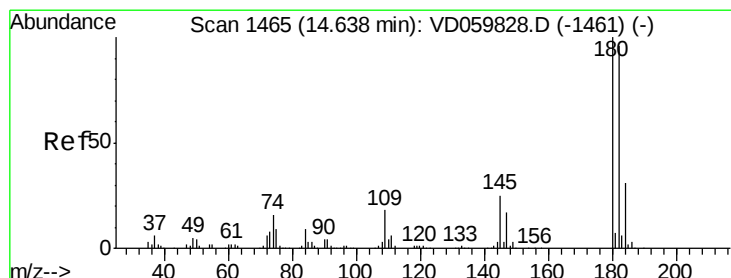
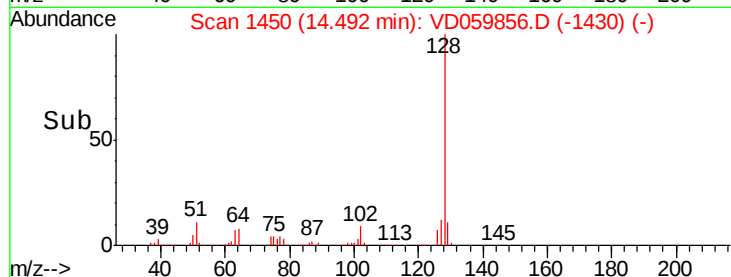
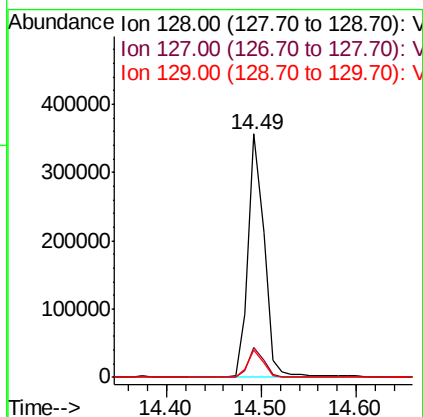
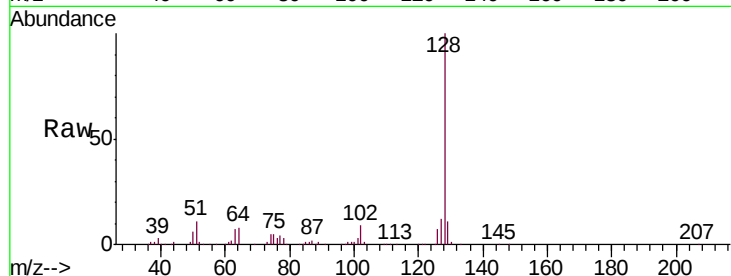




#95
Naphthalene
Concen: 44.039 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Instrument :
MSVOA_D
ClientSampleId :
RA-081518-FL-031MSD

Tgt Ion:128 Resp: 421771
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 11.3 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 24.791 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VD059856.D
Acq: 21 Aug 2018 15:25

Tgt Ion:180 Resp: 127371
Ion Ratio Lower Upper
180 100
182 98.6 47.8 143.4
145 31.0 12.7 38.0

