

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082218\
 Data File : VD059872.D
 Acq On : 22 Aug 2018 13:12
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 23 01:16:15 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082218S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.40	168	1189310	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.45	114	1657752	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.29	117	1388035	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.38	152	693214	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.79	65	98103	10.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.52%	
35) Dibromofluoromethane	6.32	113	126804	10.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.02%	
50) Toluene-d8	9.46	98	351178	10.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.16%	
62) 4-Bromofluorobenzene	12.43	95	146770	10.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.02%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.57	85	97616	9.413 ug/l	96
3) Chloromethane	1.74	50	88132	9.204 ug/l	97
4) Vinyl Chloride	1.84	62	66165	8.793 ug/l	94
5) Bromomethane	2.13	94	10523	11.900 ug/l	97
6) Chloroethane	2.24	64	23063	12.069 ug/l	97
7) Trichlorofluoromethane	2.50	101	80644	9.882 ug/l	100
8) Diethyl Ether	2.81	74	18803	10.070 ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.08	101	52616	10.132 ug/l	98
10) Methyl Iodide	3.23	142	35614	7.256 ug/l	94
11) Tert butyl alcohol	3.87	59	32860	42.187 ug/l	99
12) 1,1-Dichloroethene	3.06	96	40547	10.255 ug/l	90
13) Acrolein	2.97	56	12195	39.473 ug/l #	62
14) Allyl chloride	3.52	41	87602	9.408 ug/l	95
15) Acrylonitrile	4.08	53	145526	51.197 ug/l	98
16) Acetone	3.15	43	77026	44.450 ug/l	96
17) Carbon Disulfide	3.30	76	103508	8.417 ug/l	98
18) Methyl Acetate	3.55	43	33513	8.770 ug/l	96
19) Methyl tert-butyl Ether	4.12	73	234006	9.888 ug/l	97
20) Methylene Chloride	3.71	84	154465	10.864 ug/l	98
21) trans-1,2-Dichloroethene	4.09	96	106703	9.529 ug/l	96
22) Diisopropyl ether	4.85	45	474187	10.008 ug/l	99
23) Vinyl Acetate	4.80	43	1388920	52.603 ug/l	99
24) 1,1-Dichloroethane	4.75	63	200244	9.800 ug/l	99
25) 2-Butanone	5.62	43	238192	46.025 ug/l	99
26) 2,2-Dichloropropane	5.59	77	179433	10.750 ug/l	97
27) cis-1,2-Dichloroethene	5.60	96	122075	9.821 ug/l	99
28) Bromochloromethane	5.92	49	98156	10.001 ug/l	93
29) Tetrahydrofuran	5.96	42	126876	49.132 ug/l	99
30) Chloroform	6.10	83	205973	9.874 ug/l	94
31) Cyclohexane	6.37	56	188721	10.112 ug/l	95
32) 1,1,1-Trichloroethane	6.29	97	174466	9.861 ug/l	98
36) 1,1-Dichloropropene	6.52	75	140806	9.577 ug/l	99
37) Ethyl Acetate	5.69	43	115828	9.818 ug/l	99
38) Carbon Tetrachloride	6.50	117	150353	10.090 ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 23 01:14:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.05	83	154686	9.532	ug/l	98
40) Benzene	6.80	78	370385	9.613	ug/l	98
41) Methacrylonitrile	5.95	41	134912	12.742	ug/l #	78
42) 1,2-Dichloroethane	6.89	62	120446	9.584	ug/l	100
43) Isopropyl Acetate	8.35	43	147762	9.532	ug/l #	99
44) Trichloroethene	7.74	130	107487	9.497	ug/l	91
45) 1,2-Dichloropropane	8.10	63	107004	9.809	ug/l	92
46) Dibromomethane	8.22	93	67321	9.629	ug/l	97
47) Bromodichloromethane	8.50	83	155418	9.835	ug/l	98
48) Methyl methacrylate	8.25	41	86349	9.895	ug/l	98
49) 1,4-Dioxane	8.23	88	15748	197.904	ug/l #	85
51) 4-Methyl-2-Pentanone	9.34	43	502396	46.629	ug/l	93
52) Toluene	9.55	92	240589	9.705	ug/l	100
53) t-1,3-Dichloropropene	9.93	75	143595	9.791	ug/l	98
54) cis-1,3-Dichloropropene	9.11	75	167832	9.832	ug/l	94
55) 1,1,2-Trichloroethane	10.19	97	93001	10.299	ug/l	91
56) Ethyl methacrylate	10.04	69	107571	10.013	ug/l	97
57) 1,3-Dichloropropane	10.39	76	129201	9.770	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.93	63	270678	52.872	ug/l	97
59) 2-Hexanone	10.50	43	369370	47.274	ug/l	98
60) Dibromochloromethane	10.64	129	113412	9.862	ug/l	100
61) 1,2-Dibromoethane	10.76	107	90278	9.694	ug/l	99
64) Tetrachloroethene	10.26	164	101191	9.541	ug/l	98
65) Chlorobenzene	11.32	112	272547	10.011	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.42	131	103865	10.540	ug/l	98
67) Ethyl Benzene	11.43	91	479933	10.787	ug/l	96
68) m/p-Xylenes	11.57	106	337848	21.039	ug/l	95
69) o-Xylene	11.94	106	158946	10.083	ug/l	93
70) Styrene	11.96	104	287095	10.485	ug/l	97
71) Bromoform	12.12	173	85239	9.746	ug/l	97
73) Isopropylbenzene	12.28	105	457510	10.466	ug/l	100
74) N-amyl acetate	12.14	43	200042	10.242	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.57	83	102602	10.211	ug/l	97
76) 1,2,3-Trichloropropane	12.60	75	110554	10.218	ug/l	98
77) Bromobenzene	12.54	156	122741	10.112	ug/l	96
78) n-propylbenzene	12.64	91	597749	11.004	ug/l	97
79) 2-Chlorotoluene	12.71	91	330444	10.677	ug/l	97
80) 1,3,5-Trimethylbenzene	12.80	105	379232	11.162	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.35	75	33908	10.178	ug/l	96
82) 4-Chlorotoluene	12.82	91	386198	11.177	ug/l	100
83) tert-Butylbenzene	13.05	119	428278	10.844	ug/l	99
84) 1,2,4-Trimethylbenzene	13.09	105	385681	10.775	ug/l	98
85) sec-Butylbenzene	13.22	105	496727	10.736	ug/l	99
86) p-Isopropyltoluene	13.35	119	391359	10.456	ug/l	99
87) 1,3-Dichlorobenzene	13.32	146	227449	10.558	ug/l	98
88) 1,4-Dichlorobenzene	13.40	146	226465	10.540	ug/l	98
89) n-Butylbenzene	13.66	91	433618	11.792	ug/l	99
90) Hexachloroethane	13.86	117	109406	10.734	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	203769	11.347	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	15175	9.573	ug/l	96

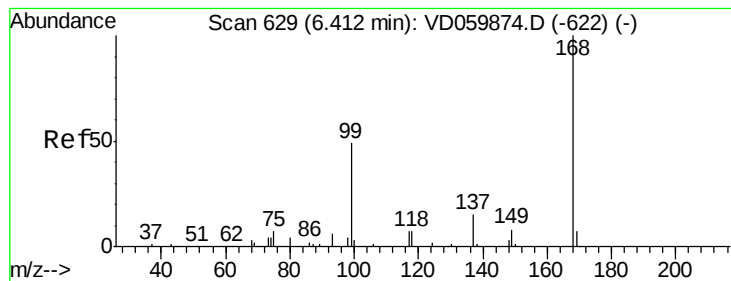
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082218\
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.80	180	161679	10.486	ug/l	99
94) Hexachlorobutadiene	14.89	225	109154	10.672	ug/l	97
95) Naphthalene	14.97	128	241469	9.868	ug/l	99
96) 1,2,3-Trichlorobenzene	15.12	180	139066	10.285	ug/l	97

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.40 min Scan# 628

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

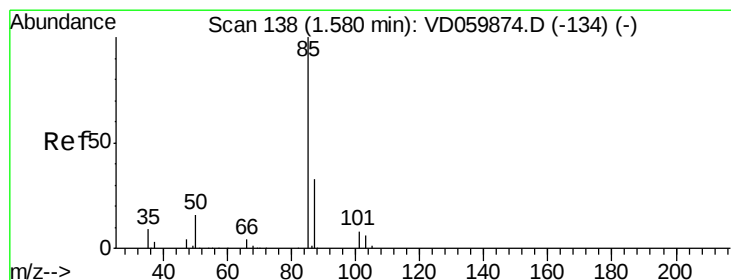
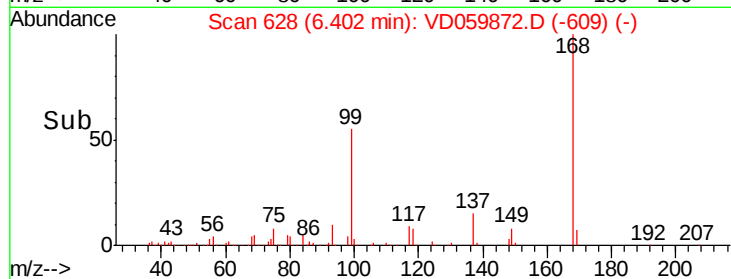
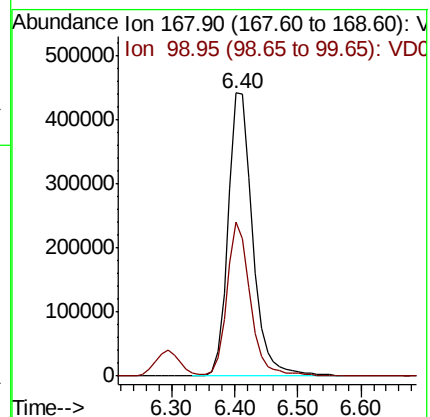
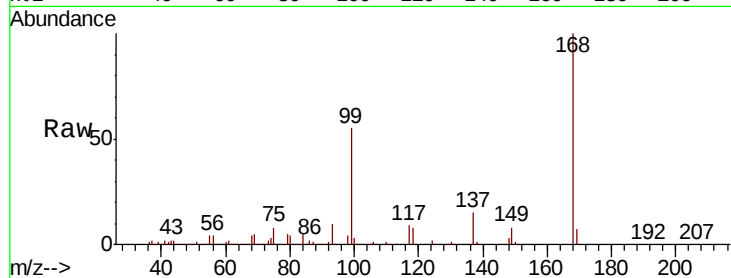
VSTDIC010

Tgt Ion:168 Resp: 1189310

Ion Ratio Lower Upper

168 100

99 54.5 42.2 63.2



#2

Dichlorodifluoromethane

Concen: 9.413 ug/l

RT: 1.57 min Scan# 137

Delta R.T. -0.01 min

Lab File: VD059872.D

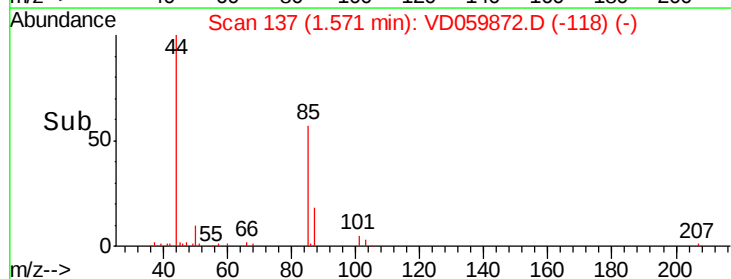
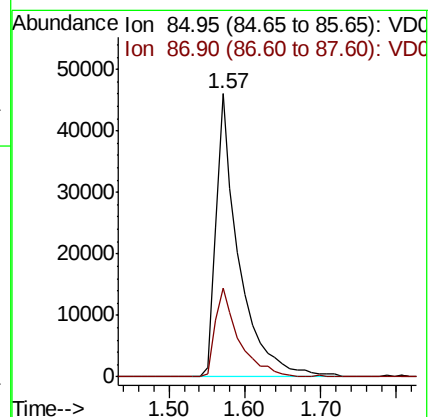
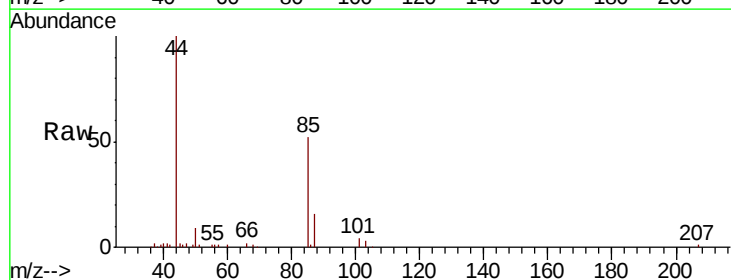
Acq: 22 Aug 2018 13:12

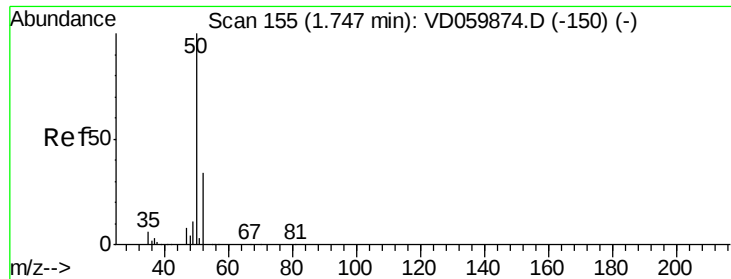
Tgt Ion: 85 Resp: 97616

Ion Ratio Lower Upper

85 100

87 31.4 16.8 50.3





#3

Chloromethane

Concen: 9.204 ug/l

RT: 1.74 min Scan# 154

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

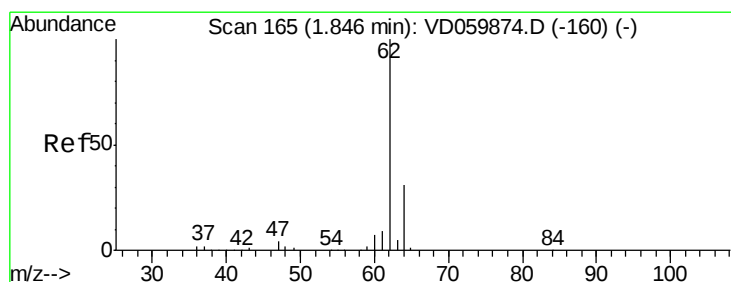
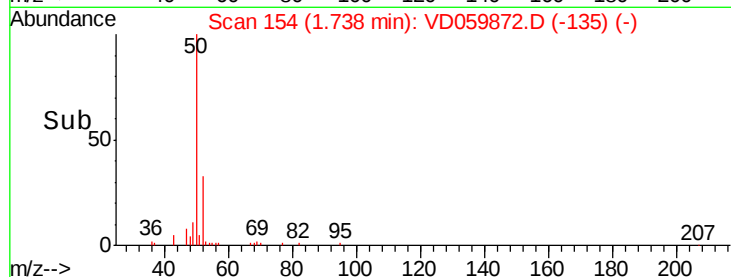
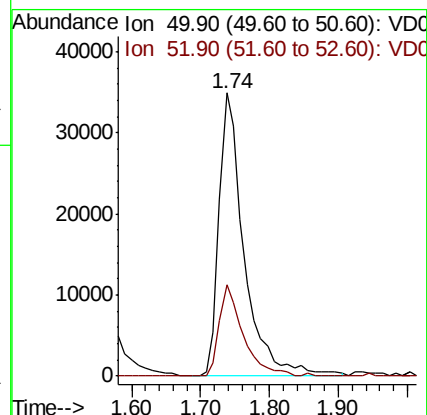
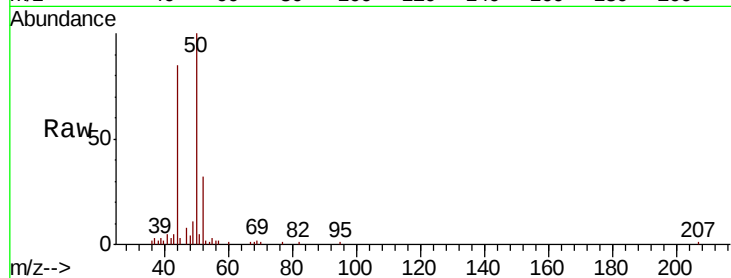
VSTDIC010

Tgt Ion: 50 Resp: 88132

Ion Ratio Lower Upper

50 100

52 32.2 27.0 40.6



#4

Vinyl Chloride

Concen: 8.793 ug/l

RT: 1.84 min Scan# 164

Delta R.T. -0.01 min

Lab File: VD059872.D

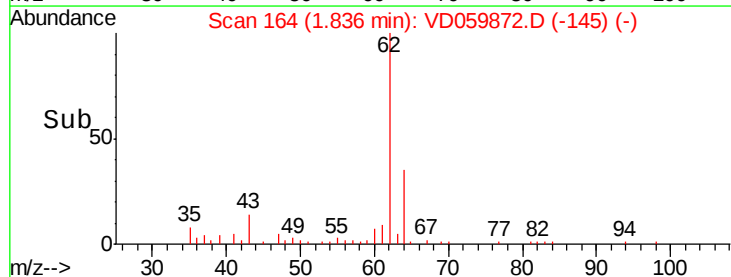
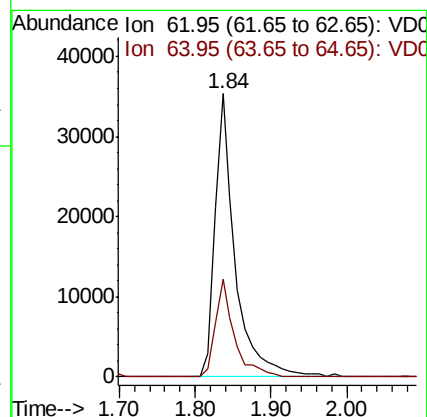
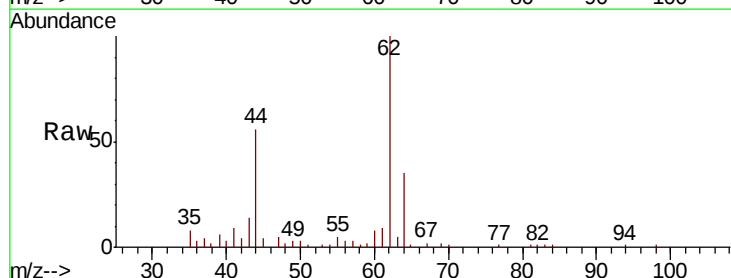
Acq: 22 Aug 2018 13:12

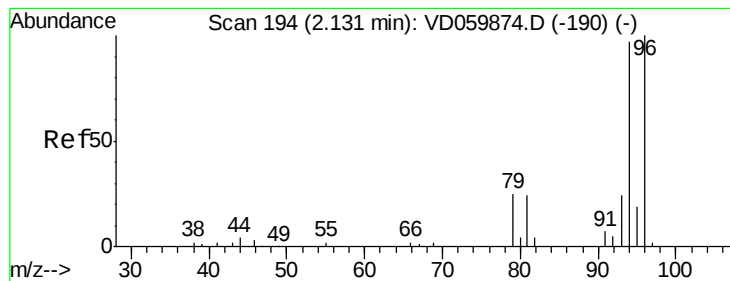
Tgt Ion: 62 Resp: 66165

Ion Ratio Lower Upper

62 100

64 34.5 25.0 37.6





#5

Bromomethane

Concen: 11.900 ug/l

RT: 2.13 min Scan# 194

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

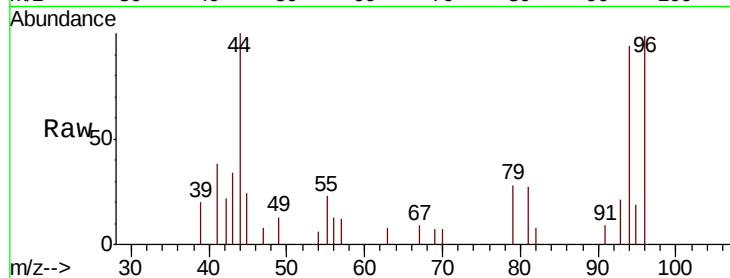
VSTDIC010

Tgt Ion: 94 Resp: 10523

Ion Ratio Lower Upper

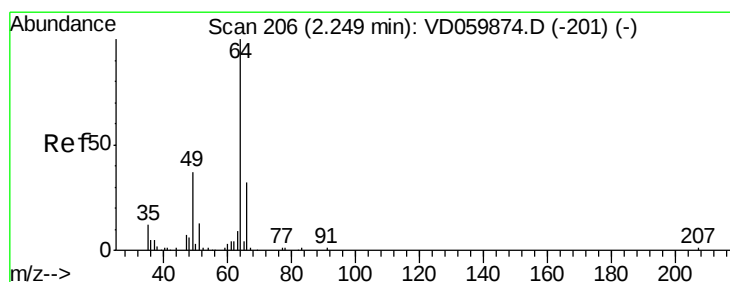
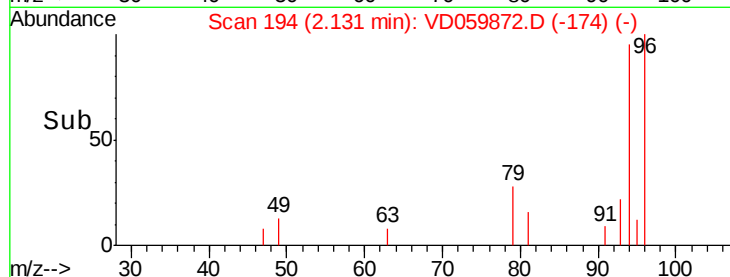
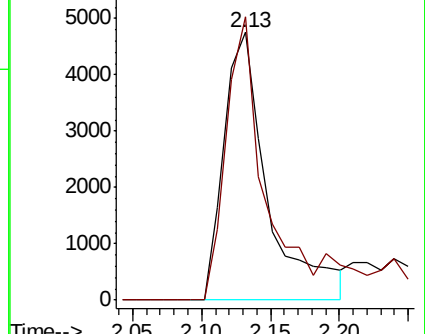
94 100

96 105.7 82.4 123.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 12.069 ug/l

RT: 2.24 min Scan# 205

Delta R.T. -0.01 min

Lab File: VD059872.D

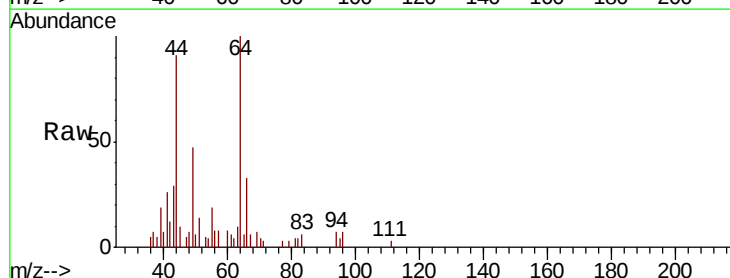
Acq: 22 Aug 2018 13:12

Tgt Ion: 64 Resp: 23063

Ion Ratio Lower Upper

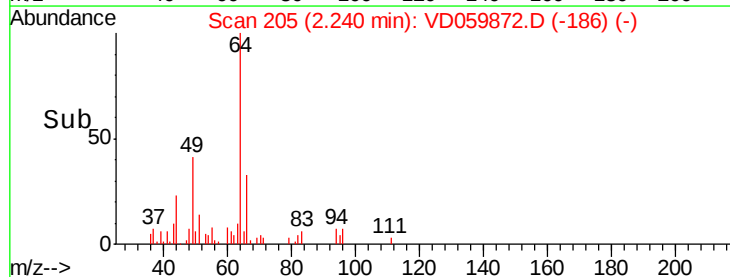
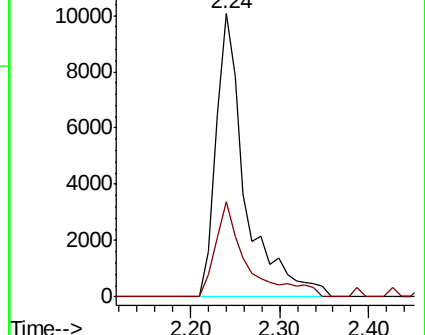
64 100

66 33.4 25.3 37.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 9.882 ug/l

RT: 2.50 min Scan# 231

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

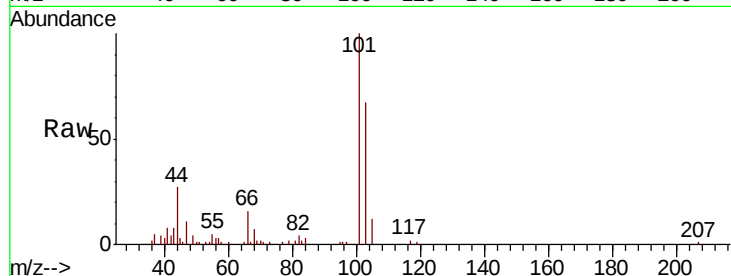
VSTDIC010

Tgt Ion:101 Resp: 80644

Ion Ratio Lower Upper

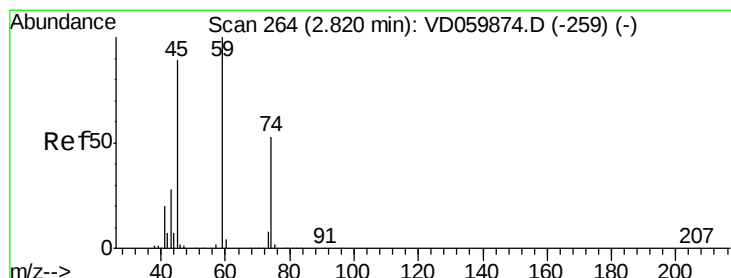
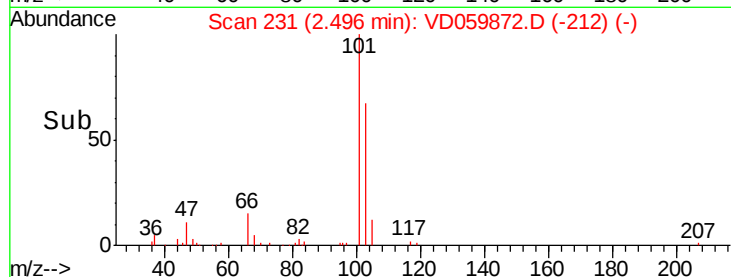
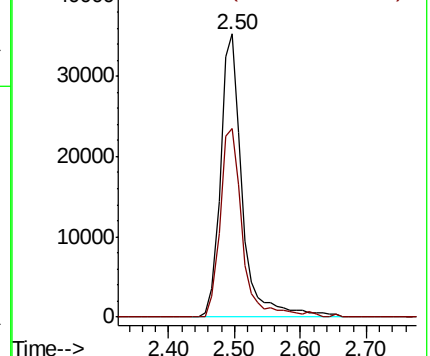
101 100

103 66.8 53.7 80.5



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 102.85 (102.55 to 103.55): V



#8

Diethyl Ether

Concen: 10.070 ug/l

RT: 2.81 min Scan# 263

Delta R.T. -0.01 min

Lab File: VD059872.D

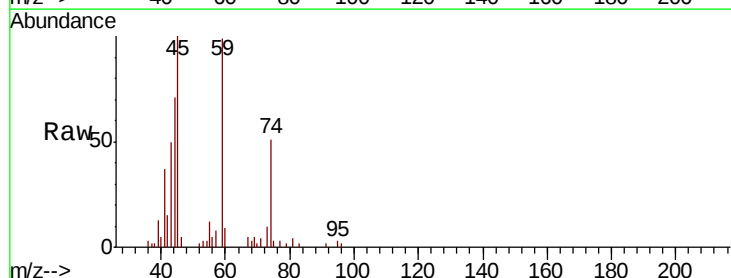
Acq: 22 Aug 2018 13:12

Tgt Ion: 74 Resp: 18803

Ion Ratio Lower Upper

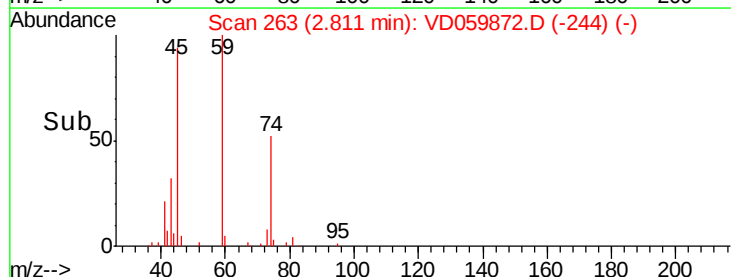
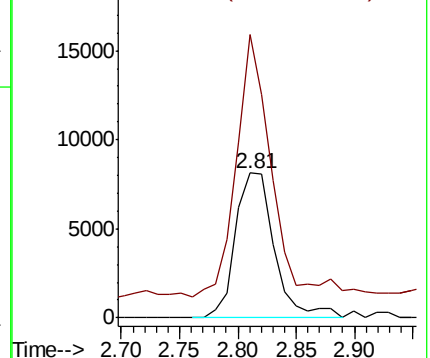
74 100

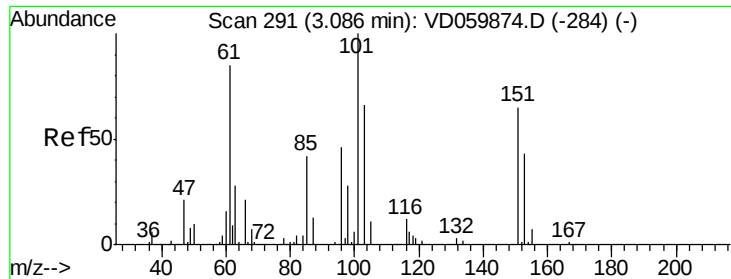
45 195.5 85.7 257.1



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: 10.132 ug/l

RT: 3.08 min Scan# 290

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

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ClientSampleId :

VSTDIC010

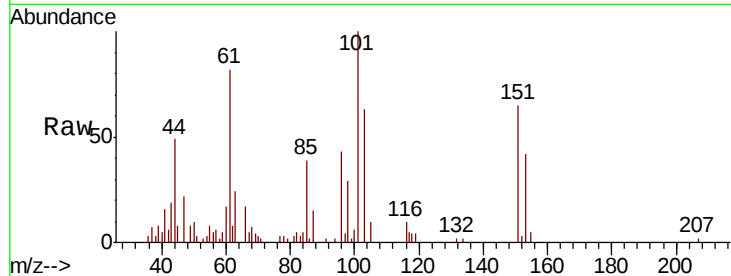
Tgt Ion:101 Resp: 52616

Ion Ratio Lower Upper

101 100

85 38.7 33.6 50.4

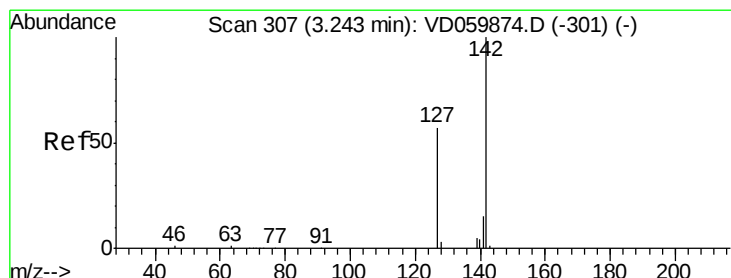
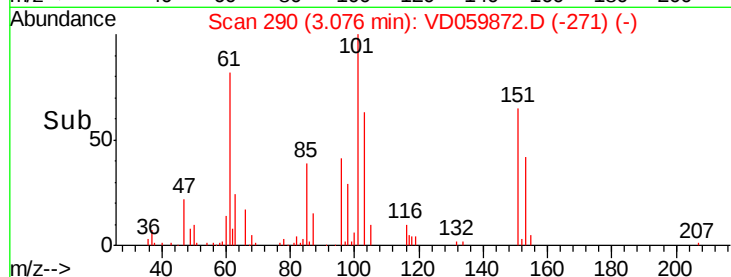
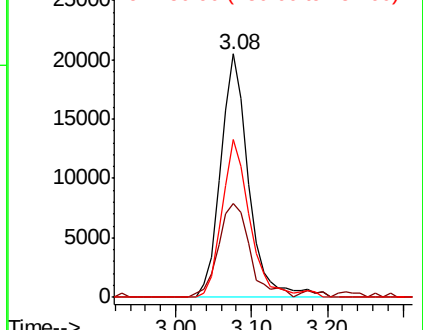
151 64.9 52.0 78.0



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: 7.256 ug/l

RT: 3.23 min Scan# 306

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

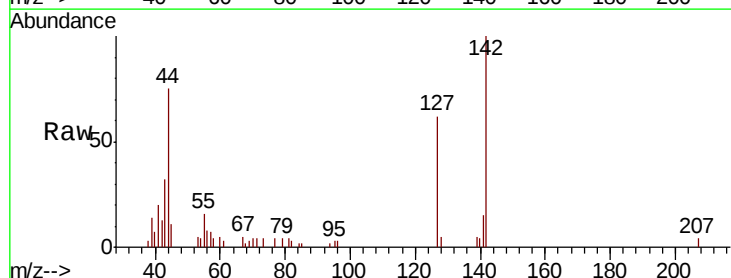
Tgt Ion:142 Resp: 35614

Ion Ratio Lower Upper

142 100

127 62.1 45.8 68.6

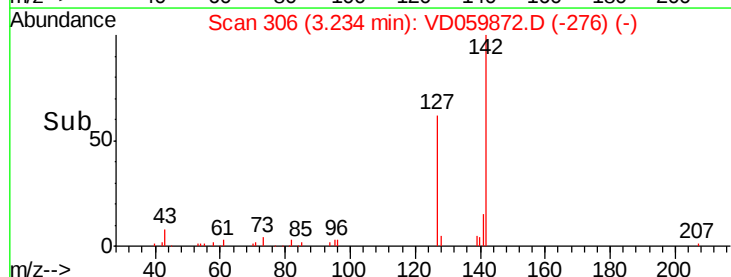
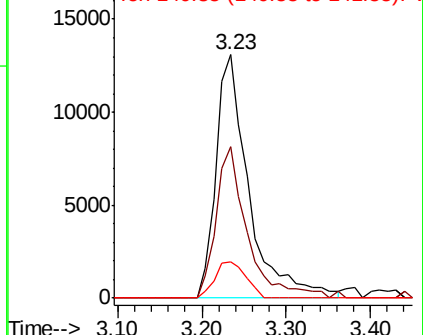
141 15.0 11.6 17.4

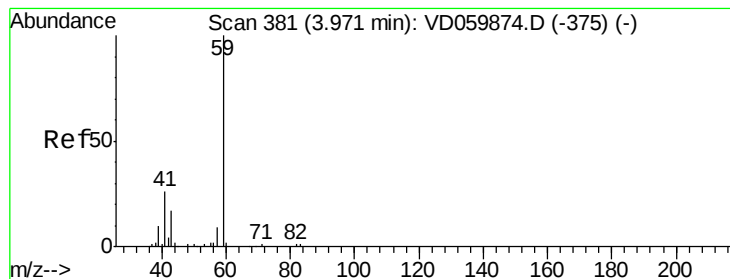


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



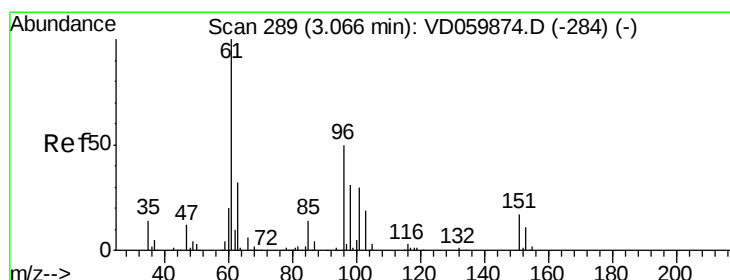
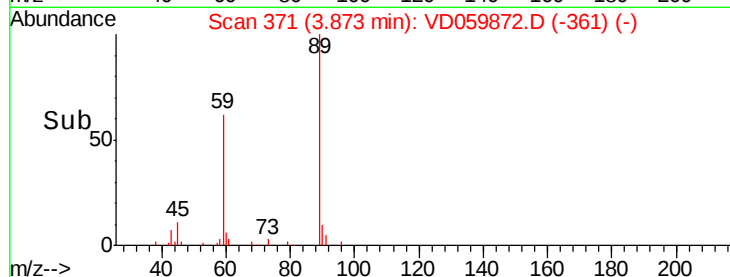
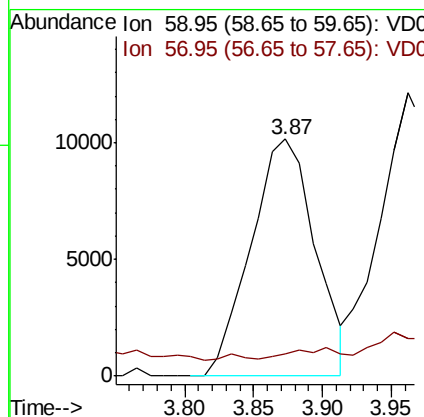
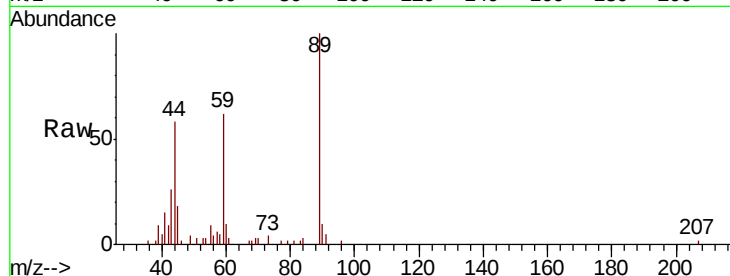


#11

Tert butyl alcohol
 Concen: 42.187 ug/l
 RT: 3.87 min Scan# 371
 Delta R.T. -0.10 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

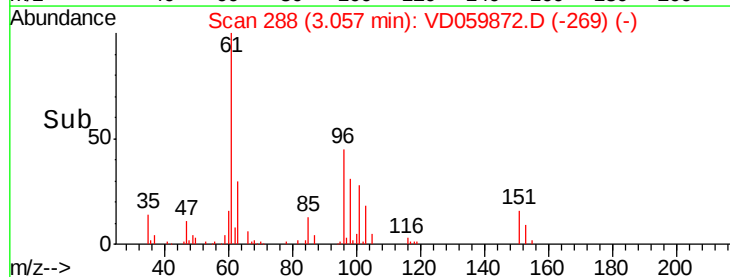
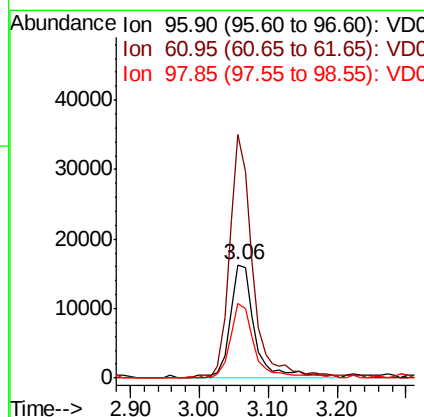
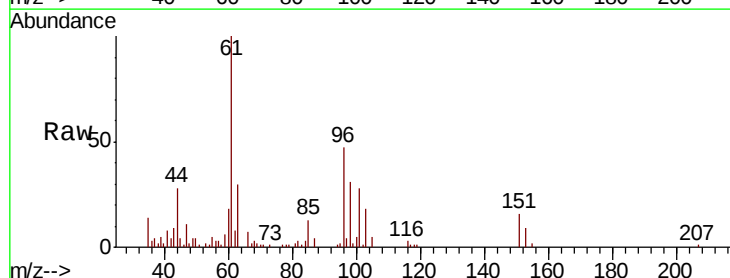
Tgt Ion: 59 Resp: 32860
 Ion Ratio Lower Upper
 59 100
 57 9.4 7.4 11.0

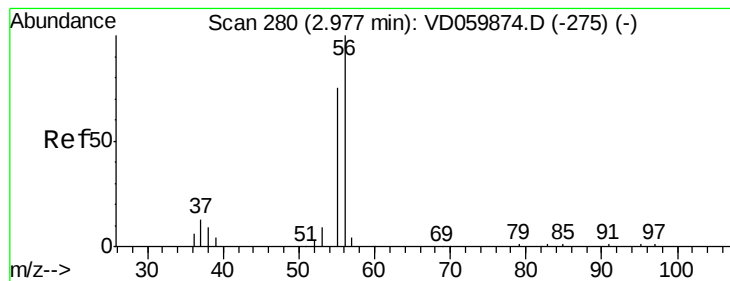


#12

1,1-Dichloroethene
 Concen: 10.255 ug/l
 RT: 3.06 min Scan# 288
 Delta R.T. -0.01 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion: 96 Resp: 40547
 Ion Ratio Lower Upper
 96 100
 61 214.9 158.8 238.2
 98 65.7 48.7 73.1





#13

Acrolein

Concen: 39.473 ug/l

RT: 2.97 min Scan# 279

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

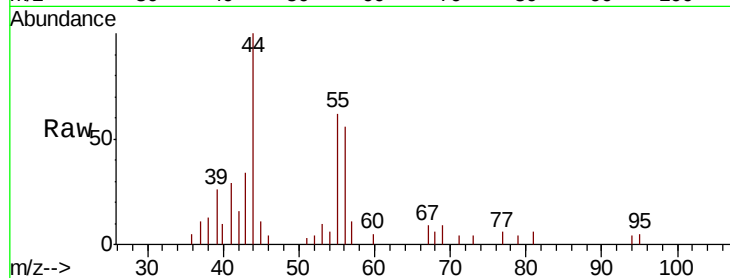
VSTDIC010

Tgt Ion: 56 Resp: 12195

Ion Ratio Lower Upper

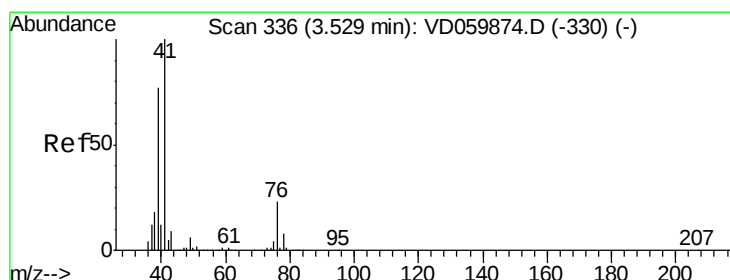
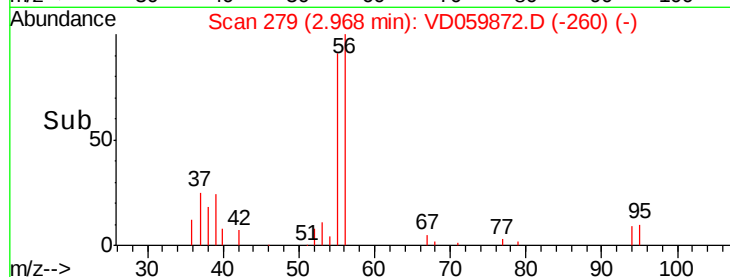
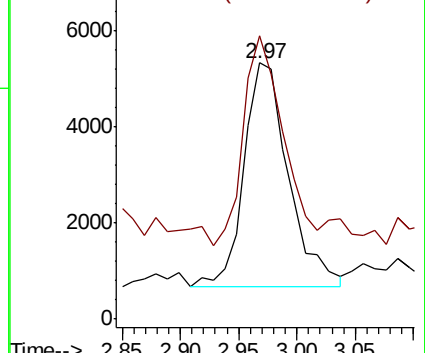
56 100

55 110.5 61.9 92.9#



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 9.408 ug/l

RT: 3.52 min Scan# 335

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

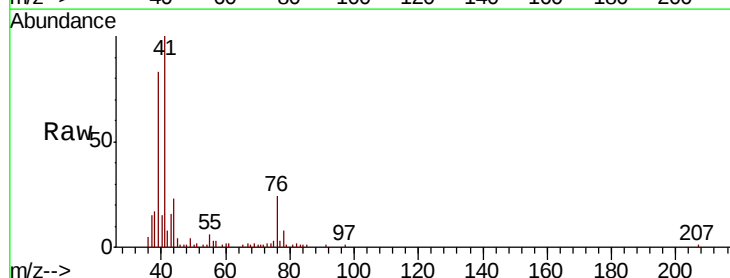
Tgt Ion: 41 Resp: 87602

Ion Ratio Lower Upper

41 100

39 83.2 61.8 92.6

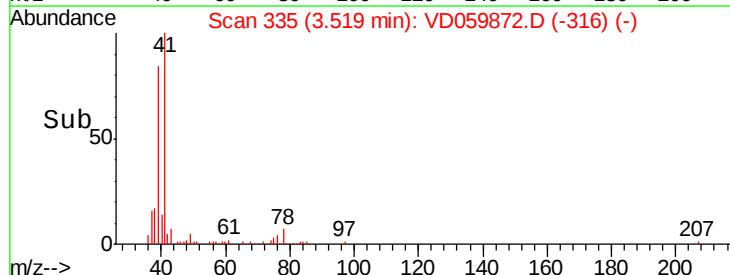
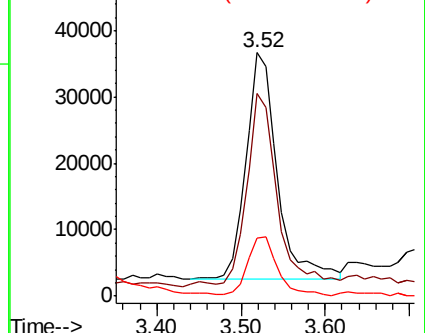
76 23.9 19.4 29.2

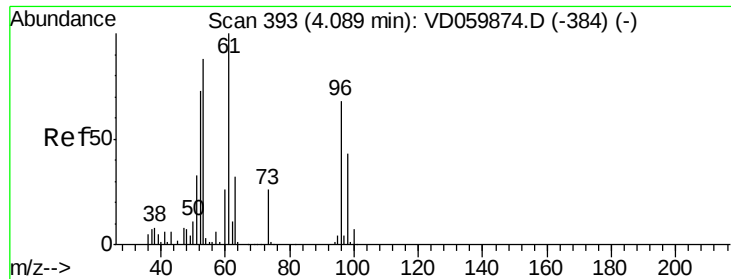


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 51.197 ug/l

RT: 4.08 min Scan# 392

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

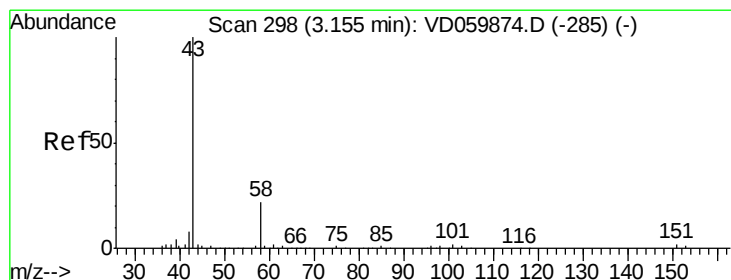
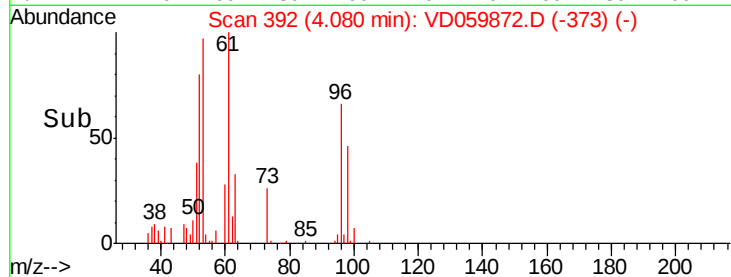
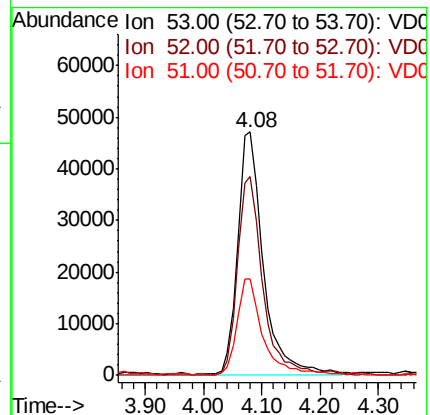
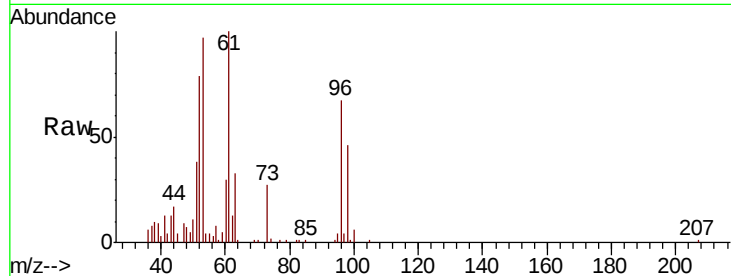
Tgt Ion: 53 Resp: 145526

Ion Ratio Lower Upper

53 100

52 81.8 66.9 100.3

51 39.7 30.3 45.5



#16

Acetone

Concen: 44.450 ug/l

RT: 3.15 min Scan# 297

Delta R.T. -0.01 min

Lab File: VD059872.D

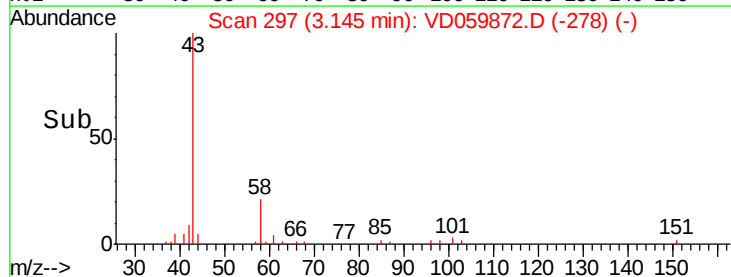
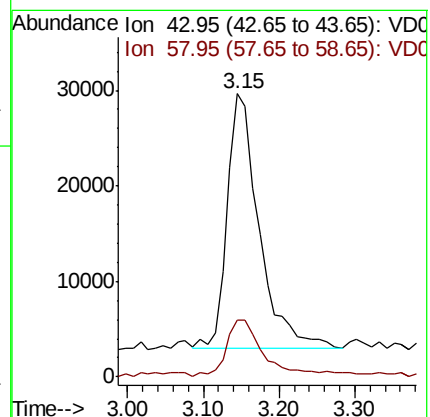
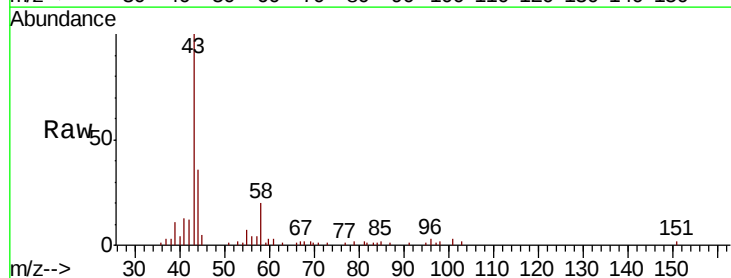
Acq: 22 Aug 2018 13:12

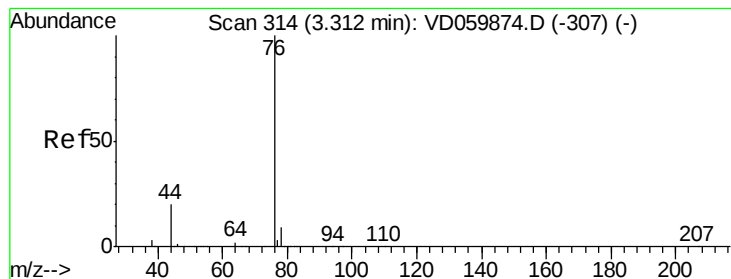
Tgt Ion: 43 Resp: 77026

Ion Ratio Lower Upper

43 100

58 19.9 17.6 26.4





#17

Carbon Disulfide

Concen: 8.417 ug/l

RT: 3.30 min Scan# 313

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

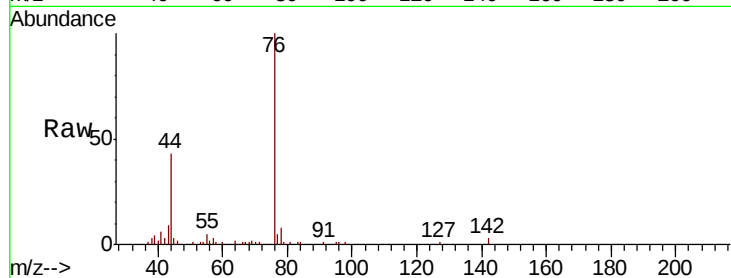
VSTDIC010

Tgt Ion: 76 Resp: 103508

Ion Ratio Lower Upper

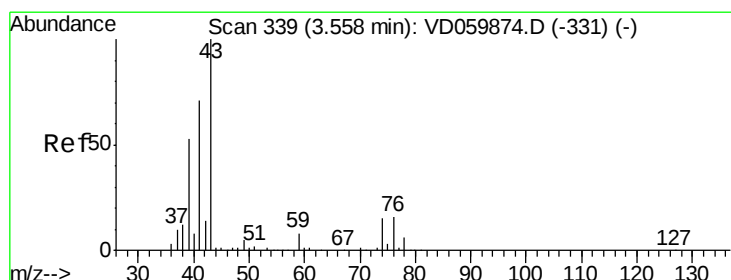
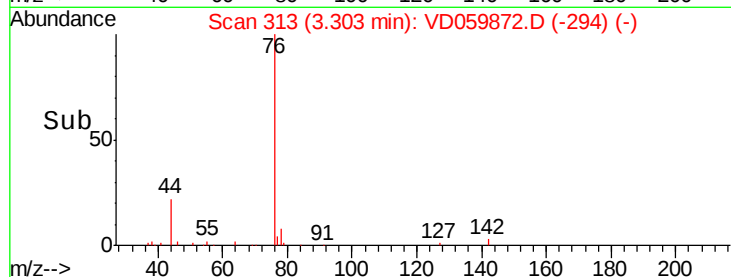
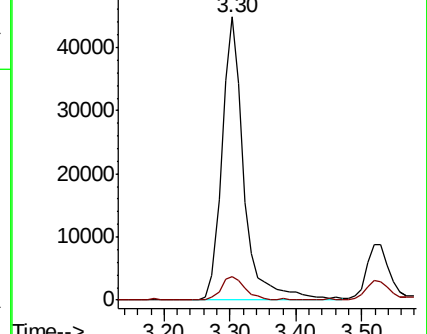
76 100

78 8.5 7.4 11.2



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 8.770 ug/l

RT: 3.55 min Scan# 338

Delta R.T. -0.01 min

Lab File: VD059872.D

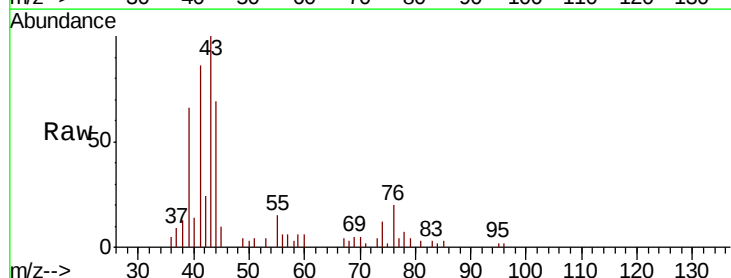
Acq: 22 Aug 2018 13:12

Tgt Ion: 43 Resp: 33513

Ion Ratio Lower Upper

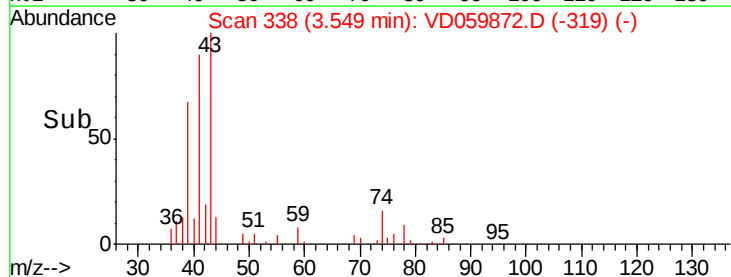
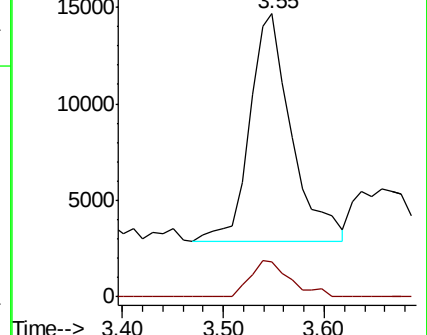
43 100

74 12.4 11.2 16.8



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

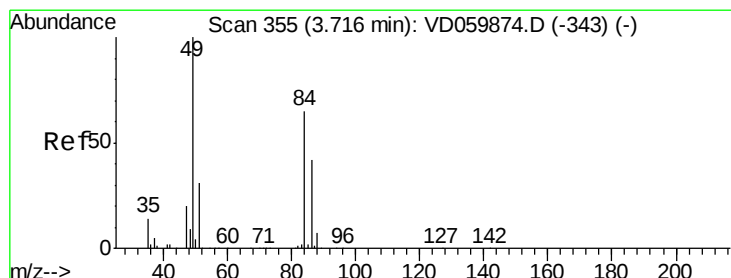
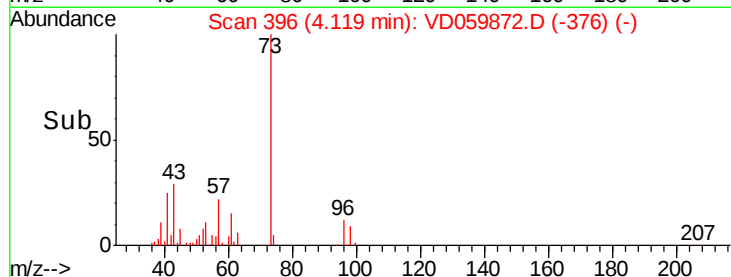
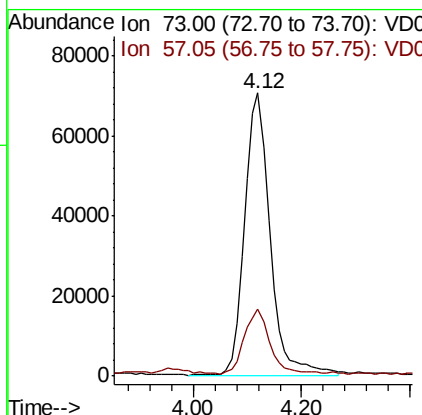
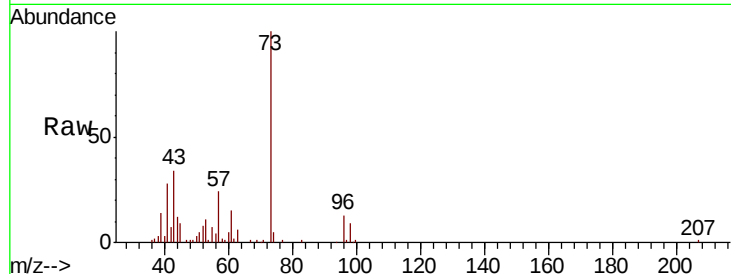




#19
Methyl tert-butyl Ether
Concen: 9.888 ug/l
RT: 4.12 min Scan# 396
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

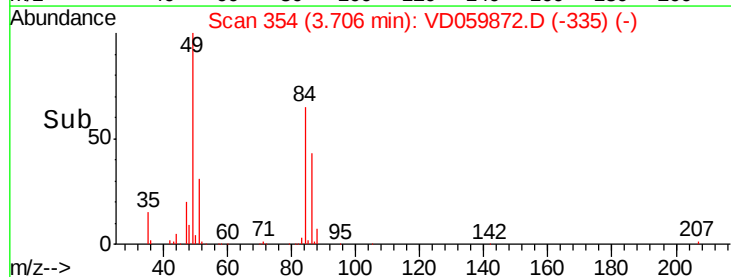
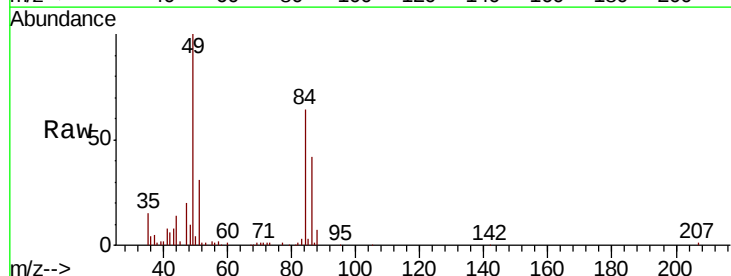
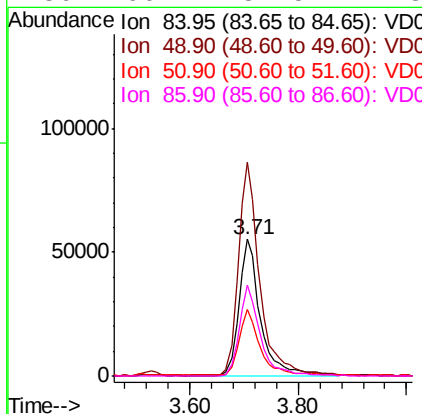
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

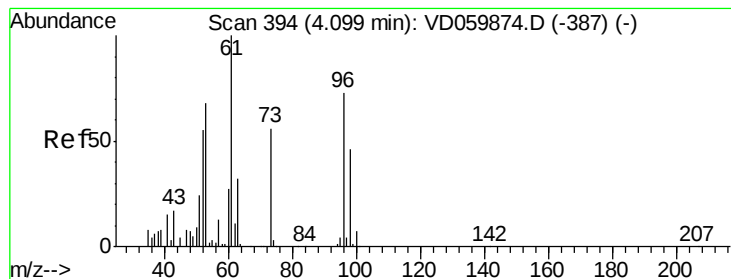
Tgt Ion: 73 Resp: 234006
Ion Ratio Lower Upper
73 100
57 23.7 17.9 26.9



#20
Methylene Chloride
Concen: 10.864 ug/l
RT: 3.71 min Scan# 354
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 84 Resp: 154465
Ion Ratio Lower Upper
84 100
49 156.5 122.6 183.8
51 48.4 38.4 57.6
86 66.4 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 9.529 ug/l

RT: 4.09 min Scan# 393

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

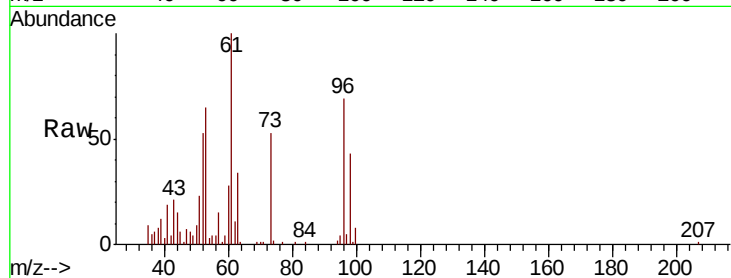
Tgt Ion: 96 Resp: 106703

Ion Ratio Lower Upper

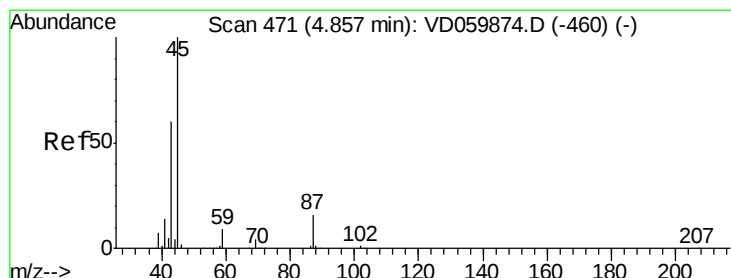
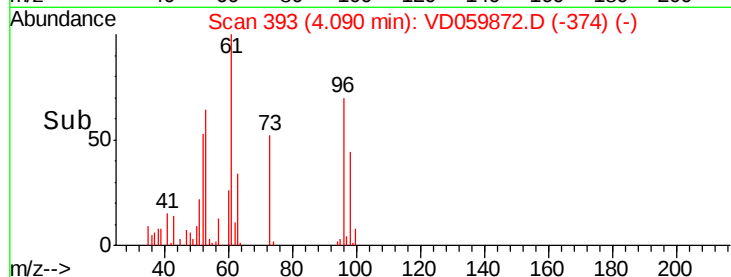
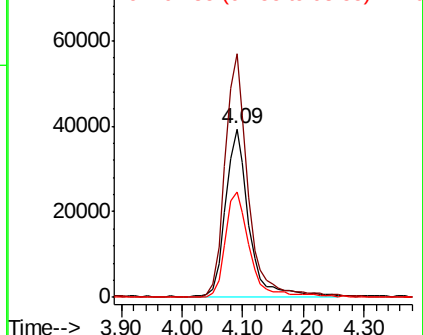
96 100

61 144.6 110.2 165.4

98 62.7 50.9 76.3



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: 10.008 ug/l

RT: 4.85 min Scan# 470

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion: 45 Resp: 474187

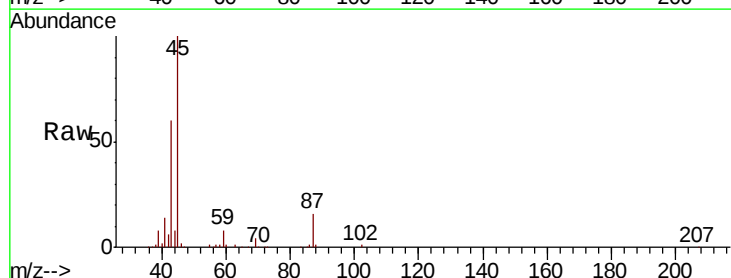
Ion Ratio Lower Upper

45 100

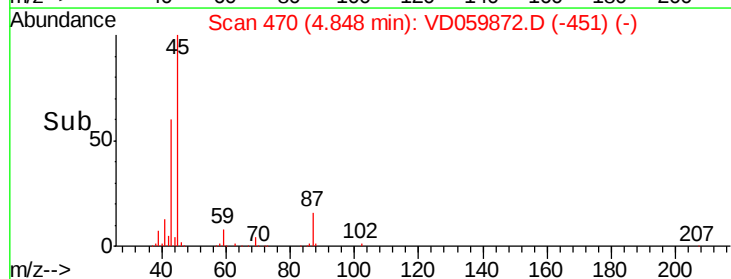
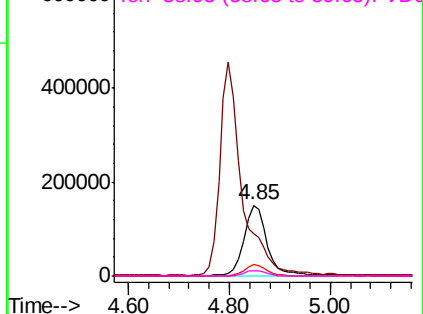
43 60.5 48.6 72.8

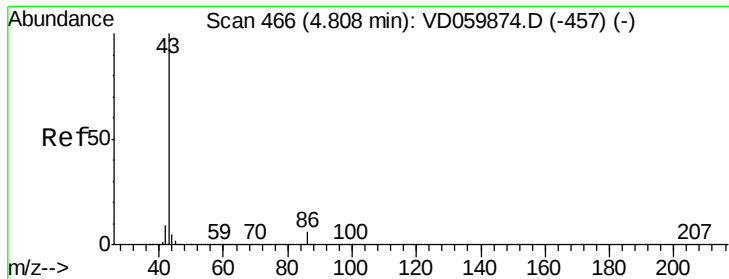
87 16.1 13.3 19.9

59 7.9 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: 52.603 ug/l

RT: 4.80 min Scan# 465

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

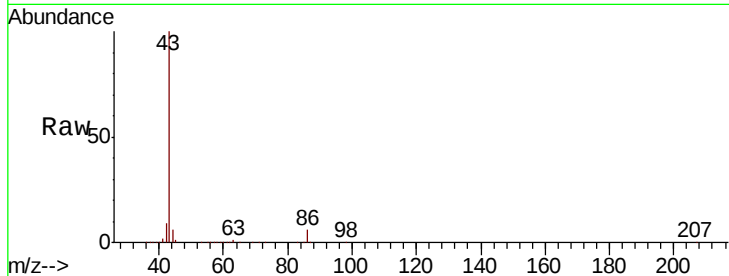
VSTDIC010

Tgt Ion: 43 Resp: 1388920

Ion Ratio Lower Upper

43 100

86 6.0 5.0 7.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

4.80

500000

400000

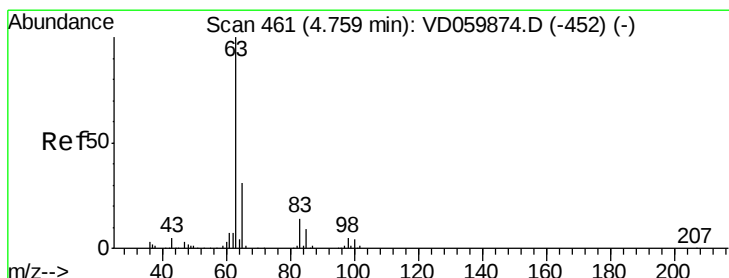
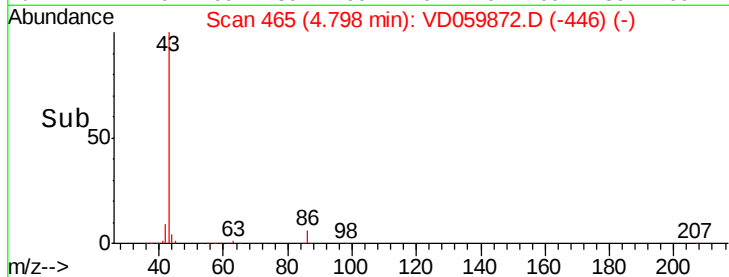
300000

200000

100000

0

Time--> 4.60 4.70 4.80 4.90 5.00



#24

1,1-Dichloroethane

Concen: 9.800 ug/l

RT: 4.75 min Scan# 460

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

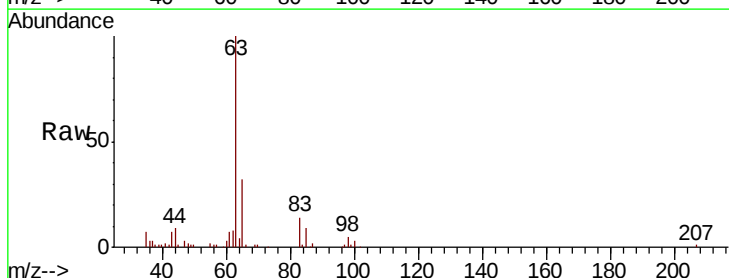
Tgt Ion: 63 Resp: 200244

Ion Ratio Lower Upper

63 100

98 5.2 2.7 8.1

100 3.3 1.8 5.3



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

4.75

80000

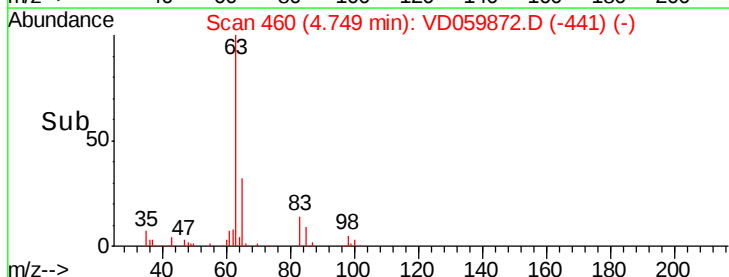
60000

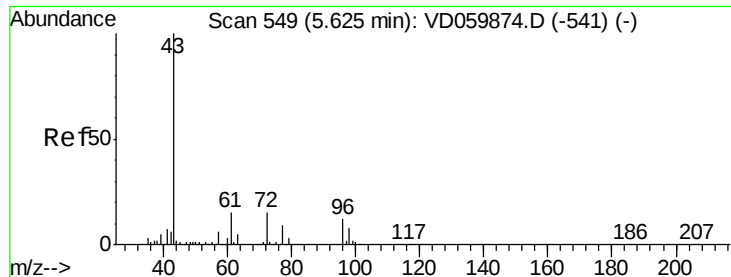
40000

20000

0

Time--> 4.60 4.70 4.80 4.90 5.00





#25

2-Butanone

Concen: 46.025 ug/l

RT: 5.62 min Scan# 549

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

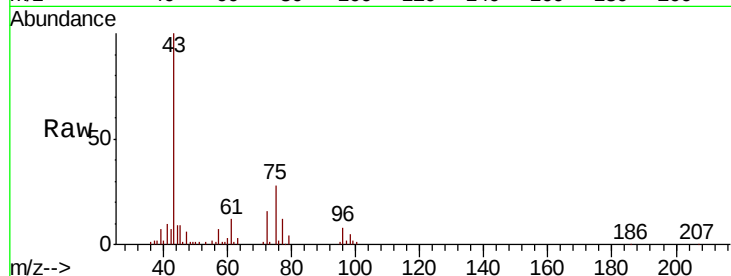
VSTDIC010

Tgt Ion: 43 Resp: 238192

Ion Ratio Lower Upper

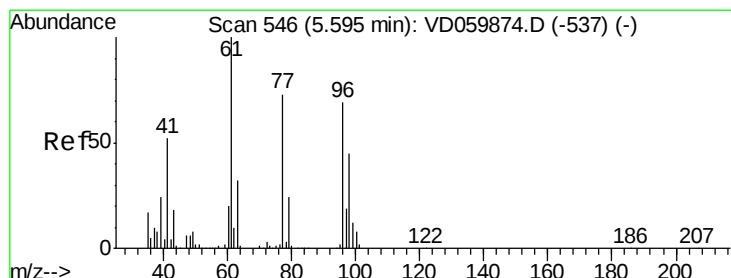
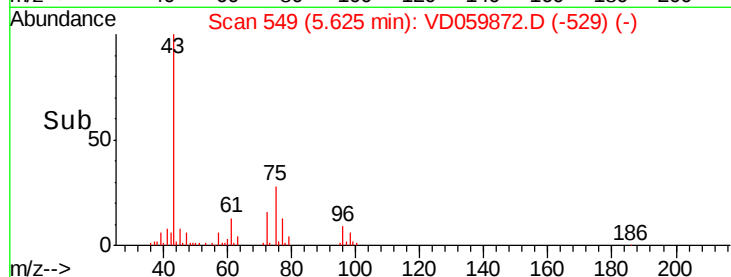
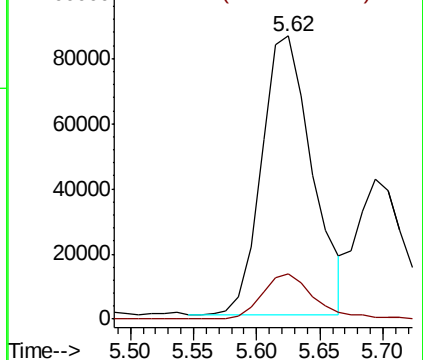
43 100

72 15.8 12.3 18.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.750 ug/l

RT: 5.59 min Scan# 545

Delta R.T. -0.01 min

Lab File: VD059872.D

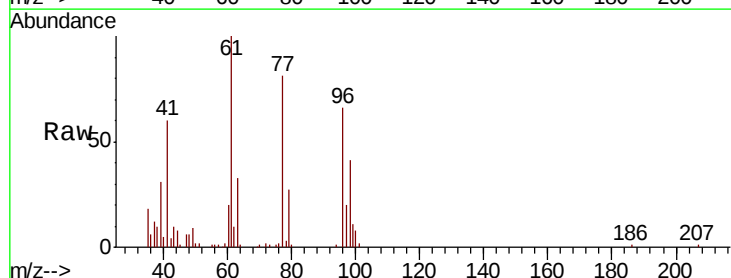
Acq: 22 Aug 2018 13:12

Tgt Ion: 77 Resp: 179433

Ion Ratio Lower Upper

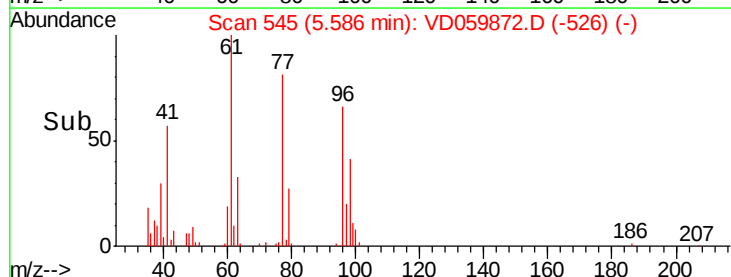
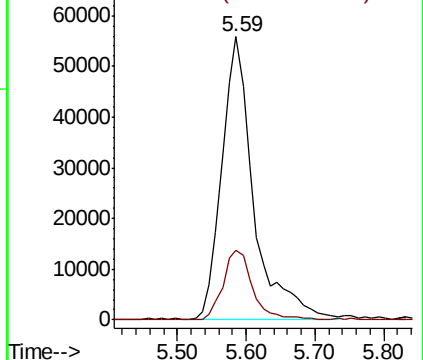
77 100

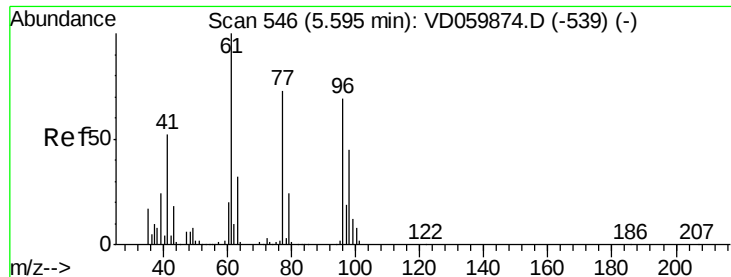
97 24.4 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



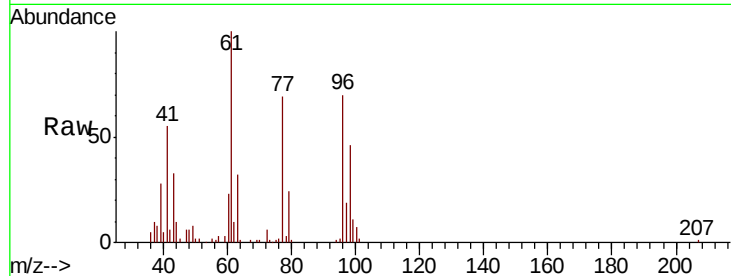


#27

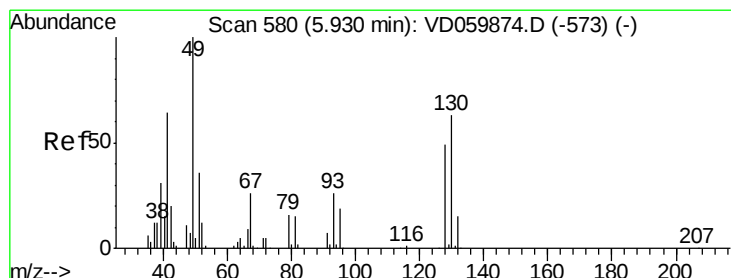
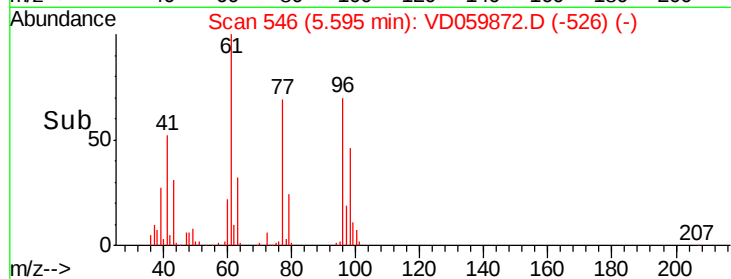
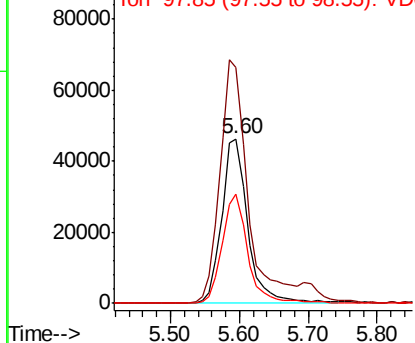
cis-1,2-Dichloroethene
Concen: 9.821 ug/l
RT: 5.60 min Scan# 546
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 96 Resp: 122075
Ion Ratio Lower Upper
96 100
61 143.7 0.0 290.2
98 66.3 0.0 130.4



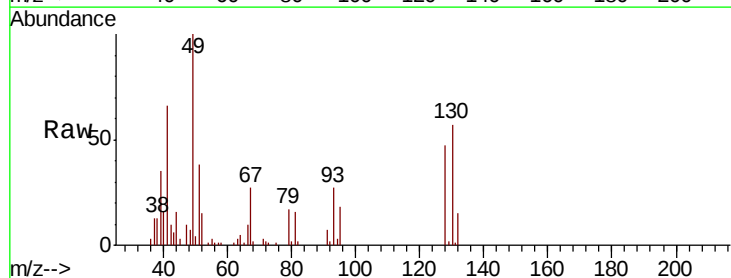
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



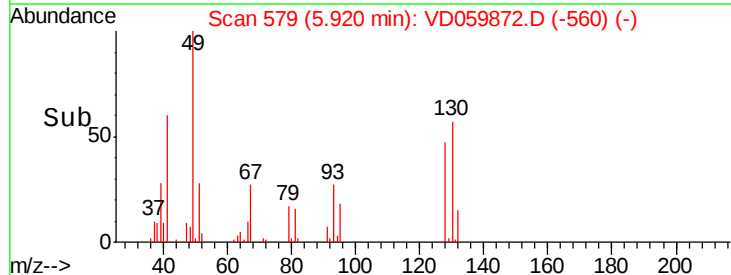
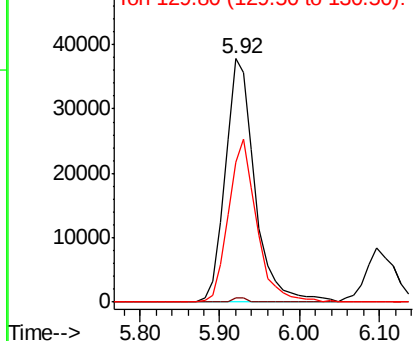
#28

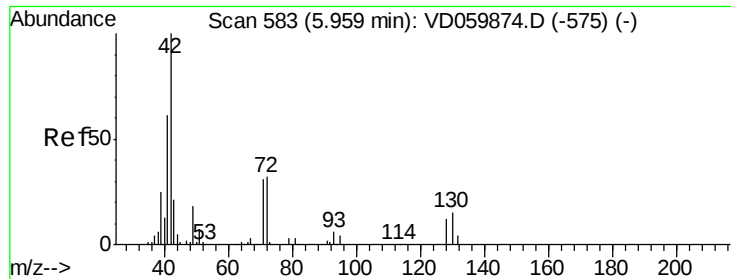
Bromochloromethane
Concen: 10.001 ug/l
RT: 5.92 min Scan# 579
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 49 Resp: 98156
Ion Ratio Lower Upper
49 100
129 1.7 0.0 3.2
130 57.3 50.6 75.8



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

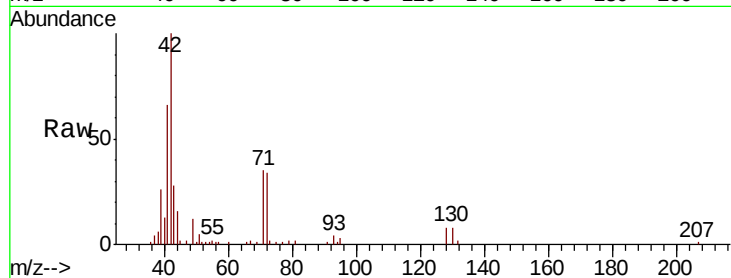




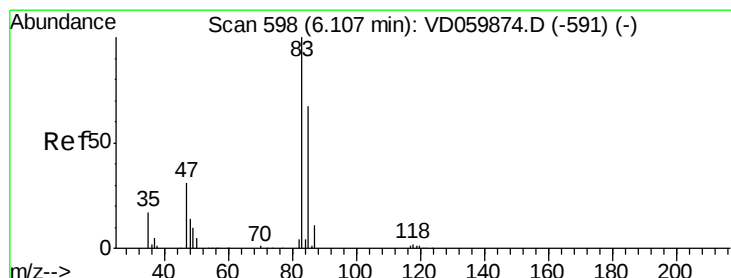
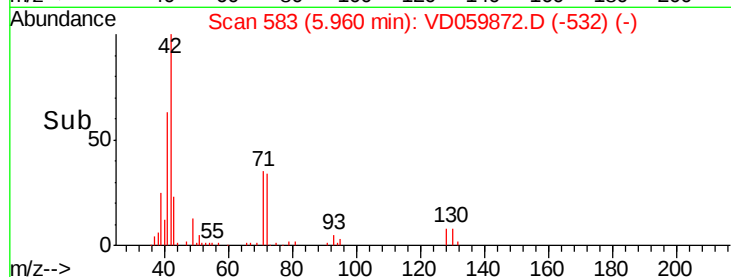
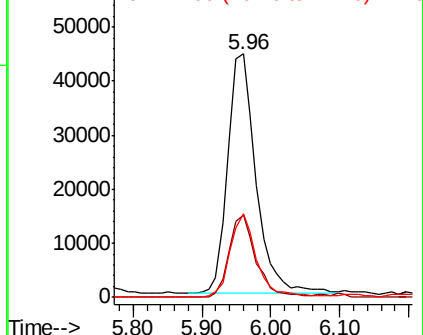
#29
Tetrahydrofuran
Concen: 49.132 ug/l
RT: 5.96 min Scan# 583
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 42 Resp: 126876
Ion Ratio Lower Upper
42 100
72 32.4 25.7 38.5
71 32.6 25.3 37.9

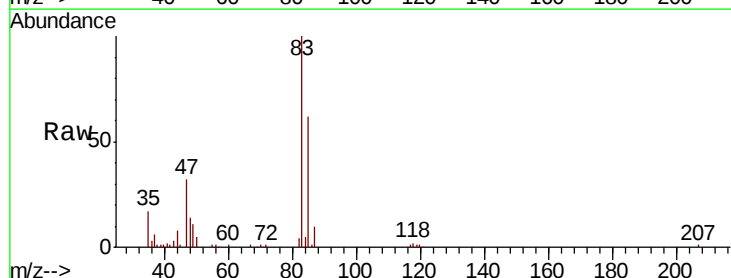


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

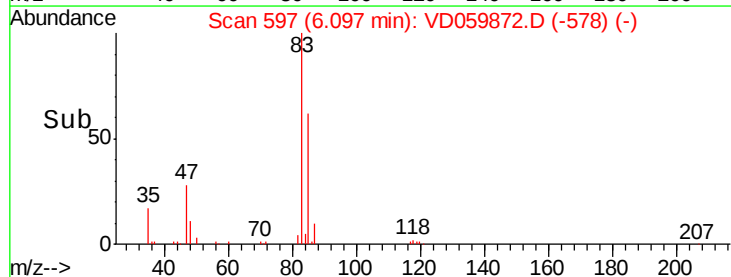
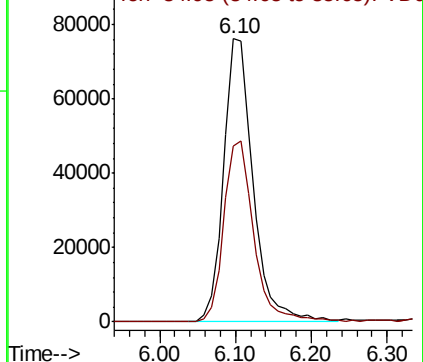


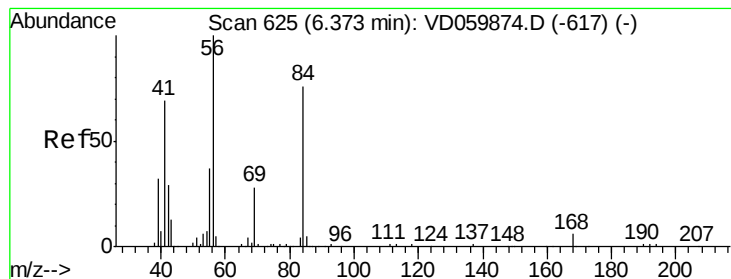
#30
Chloroform
Concen: 9.874 ug/l
RT: 6.10 min Scan# 597
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 83 Resp: 205973
Ion Ratio Lower Upper
83 100
85 62.0 53.5 80.3



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





#31

Cyclohexane

Concen: 10.112 ug/l

RT: 6.37 min Scan# 625

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

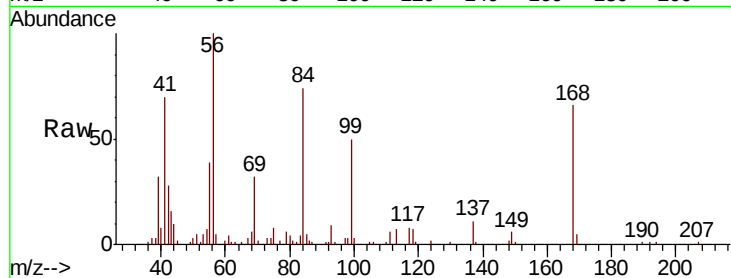
Tgt Ion: 56 Resp: 188721

Ion Ratio Lower Upper

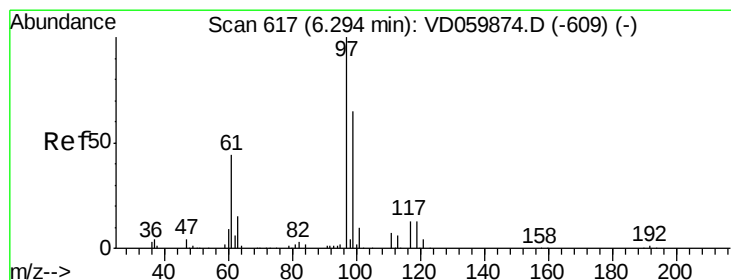
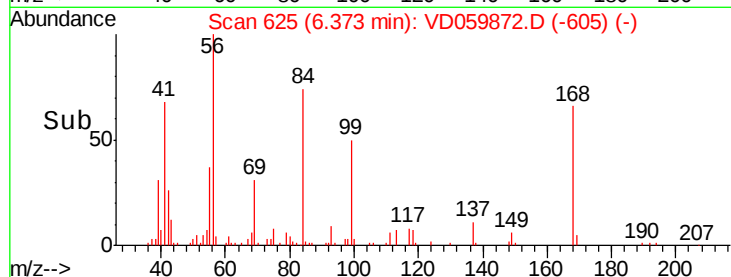
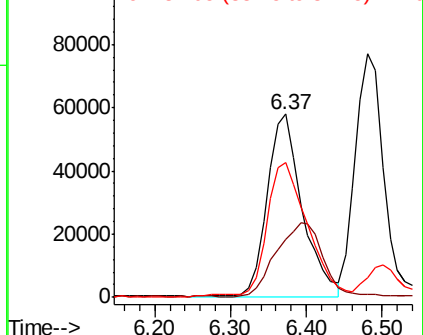
56 100

69 31.8 22.4 33.6

84 73.6 62.1 93.1



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: 9.861 ug/l

RT: 6.29 min Scan# 617

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

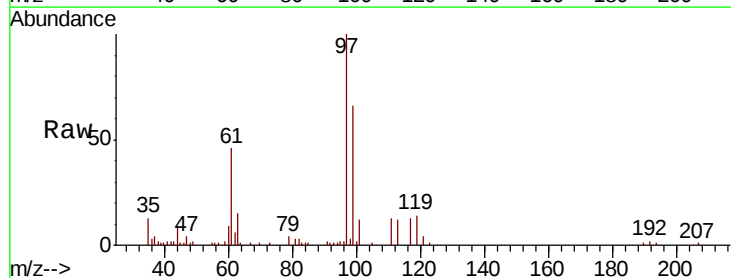
Tgt Ion: 97 Resp: 174466

Ion Ratio Lower Upper

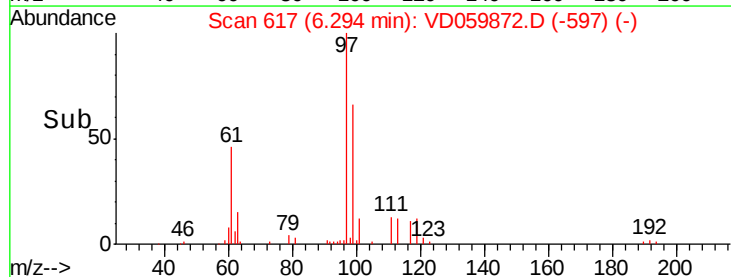
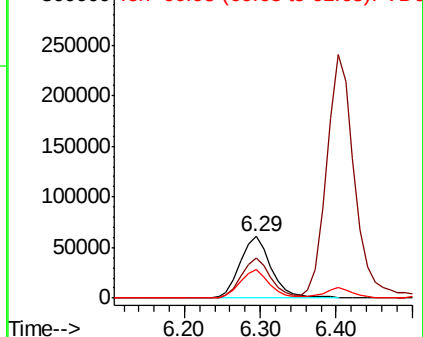
97 100

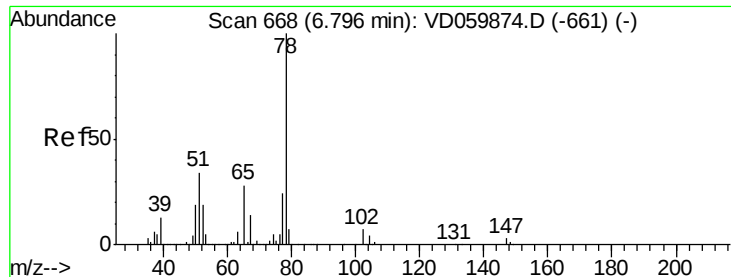
99 66.0 51.7 77.5

61 45.8 35.4 53.2



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

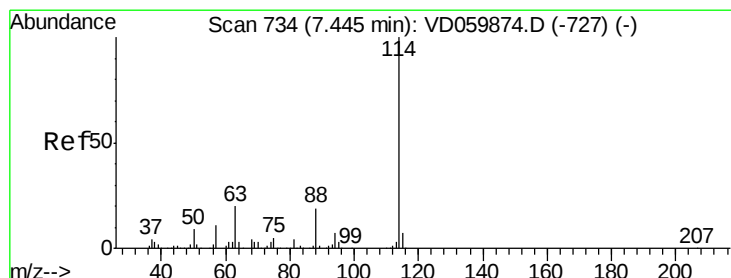
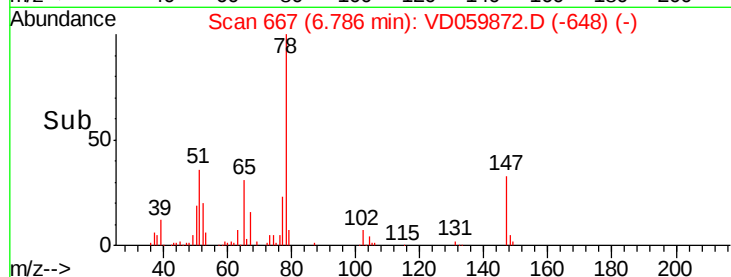
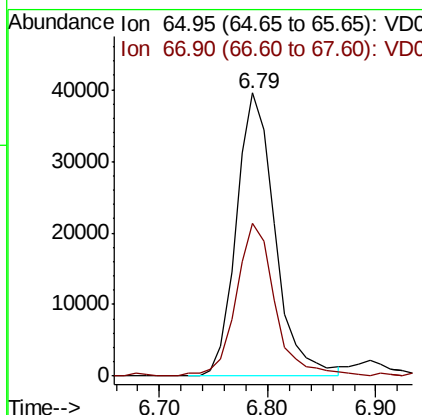
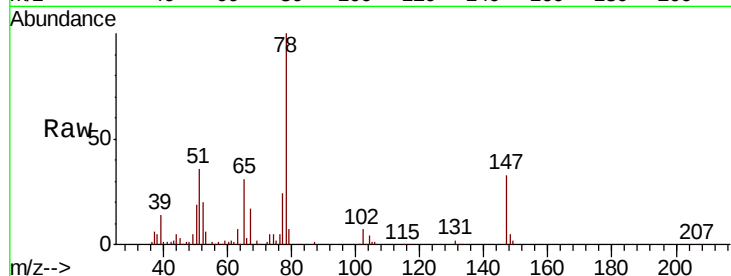




#33
 1,2-Dichloroethane-d4
 Concen: 9.861 ug/l
 RT: 6.79 min Scan# 667
 Delta R.T. -0.01 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

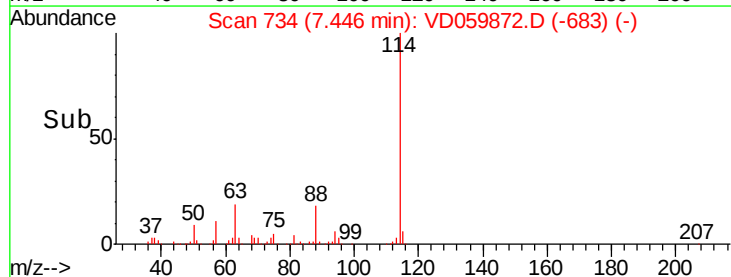
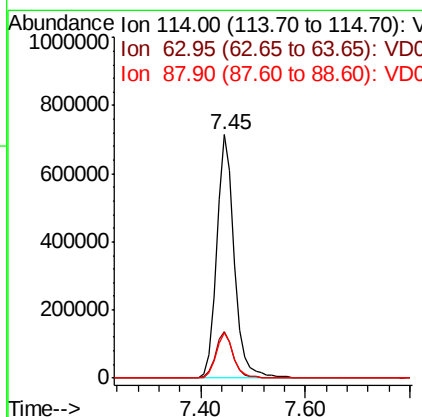
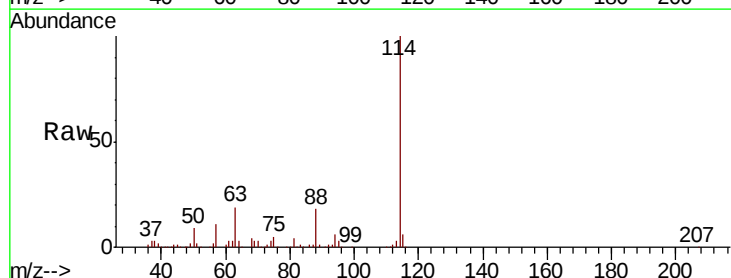
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

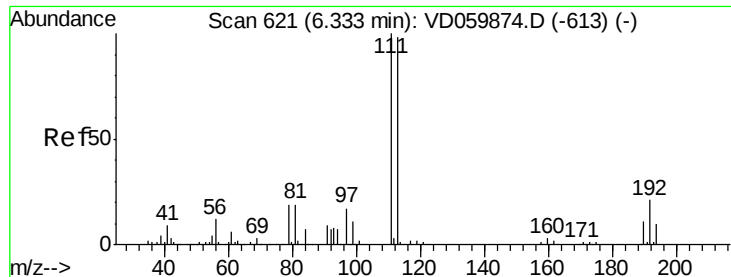
Tgt Ion: 65 Resp: 98103
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion: 114 Resp: 1657752
 Ion Ratio Lower Upper
 114 100
 63 19.1 0.0 39.4
 88 18.5 0.0 37.6

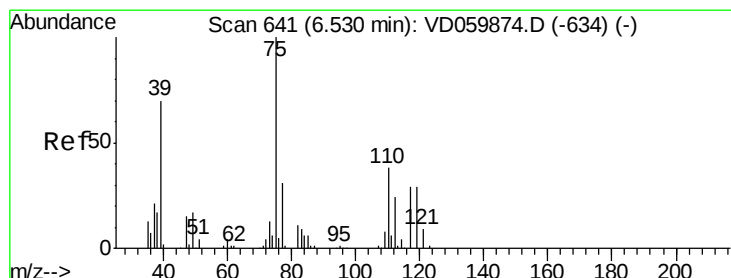
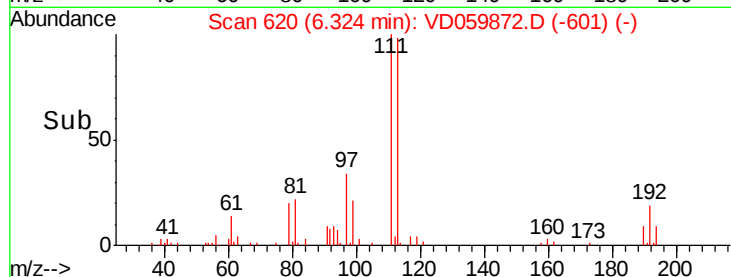
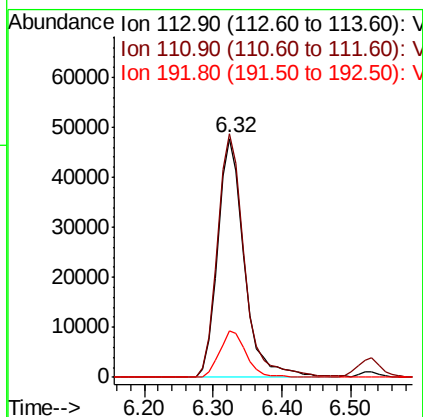
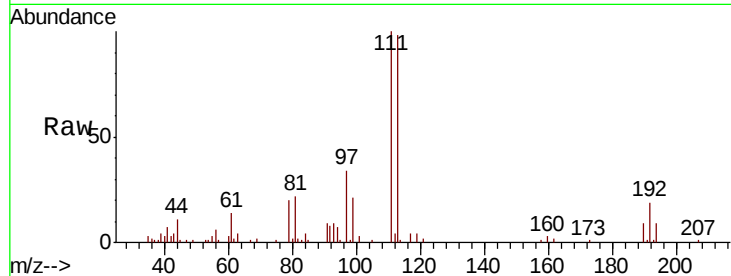




#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 6.32 min Scan# 620
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

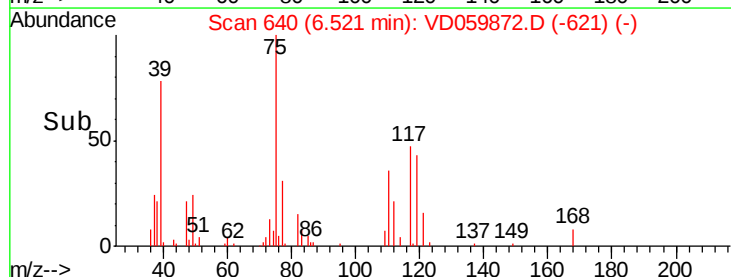
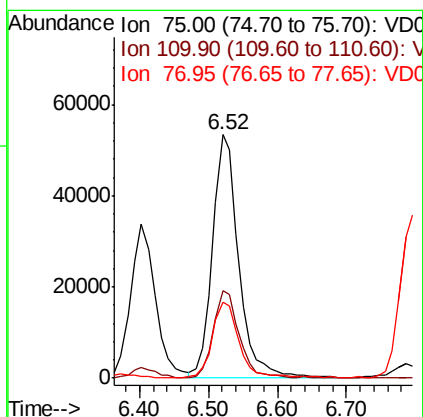
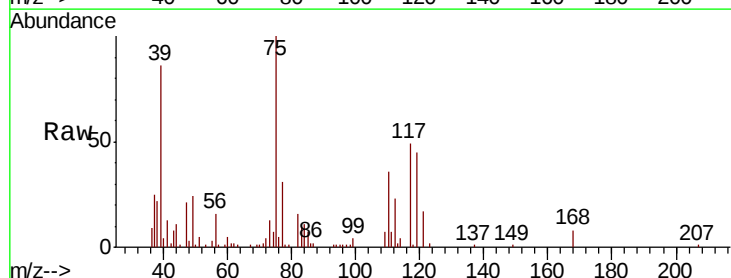
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

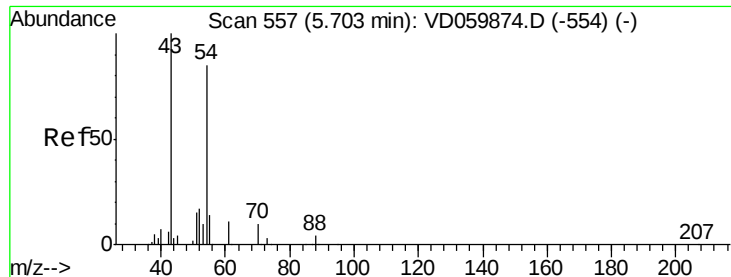
Tgt Ion:113 Resp: 126804
Ion Ratio Lower Upper
113 100
111 102.0 81.4 122.2
192 19.7 17.0 25.6



#36
1,1-Dichloropropene
Concen: 9.577 ug/l
RT: 6.52 min Scan# 640
Delta R.T. -0.01 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 75 Resp: 140806
Ion Ratio Lower Upper
75 100
110 36.2 18.6 56.0
77 31.0 25.1 37.7

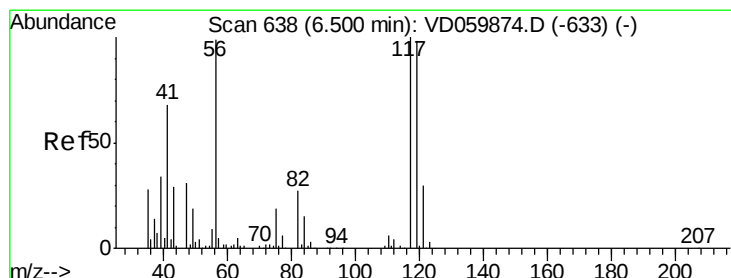
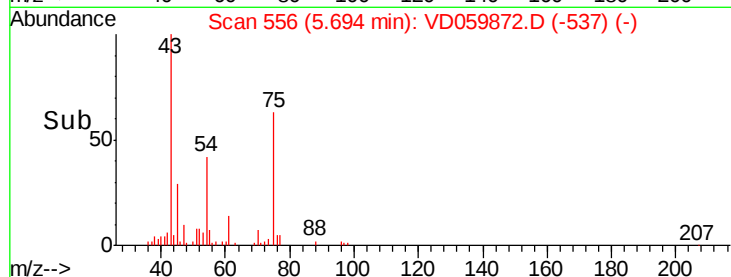
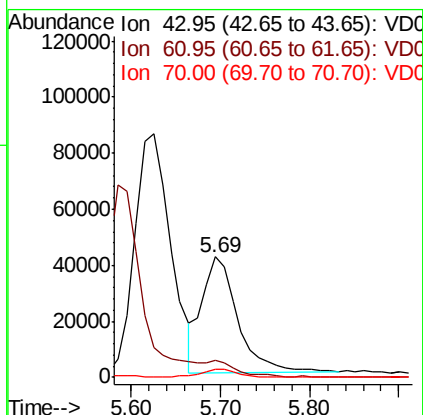
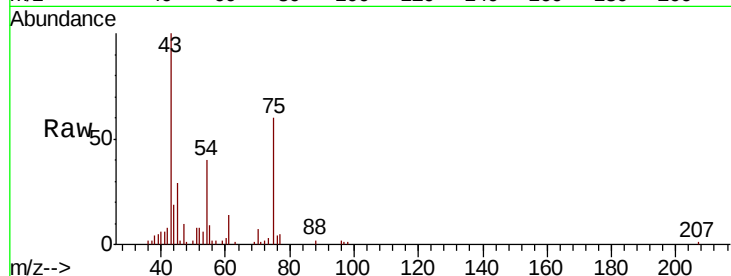




#37
 Ethyl Acetate
 Concen: 9.818 ug/l
 RT: 5.69 min Scan# 556
 Delta R.T. -0.01 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

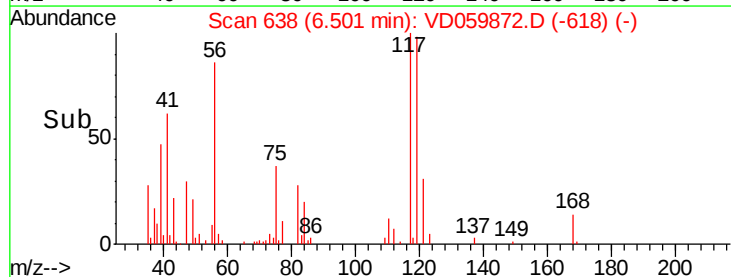
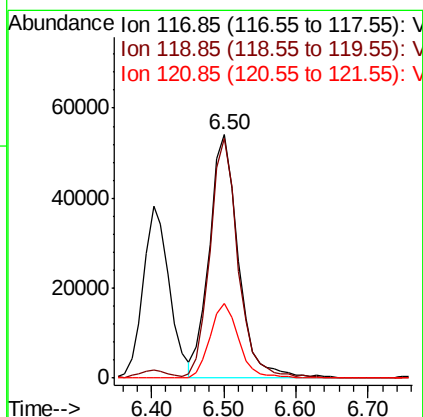
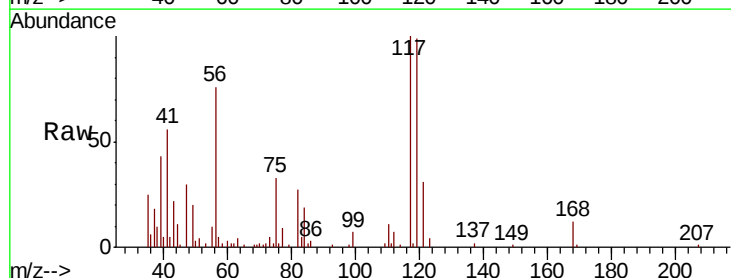
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

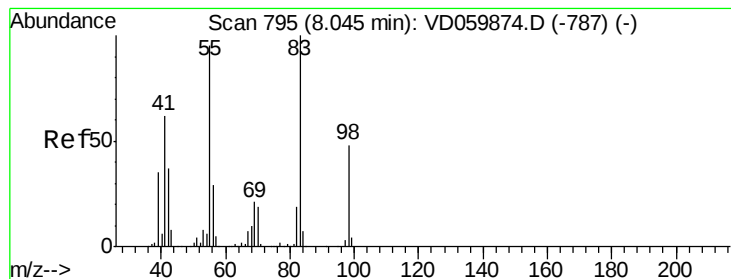
Tgt Ion: 43 Resp: 115828
 Ion Ratio Lower Upper
 43 100
 61 13.9 11.0 16.6
 70 6.5 5.7 8.5



#38
 Carbon Tetrachloride
 Concen: 10.090 ug/l
 RT: 6.50 min Scan# 638
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion: 117 Resp: 150353
 Ion Ratio Lower Upper
 117 100
 119 98.7 77.2 115.8
 121 30.7 24.0 36.0





#39

Methylcyclohexane

Concen: 9.532 ug/l

RT: 8.05 min Scan# 795

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

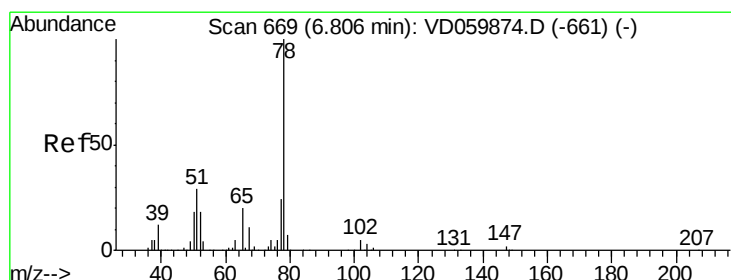
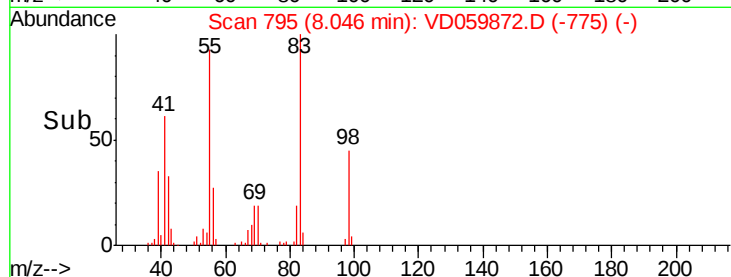
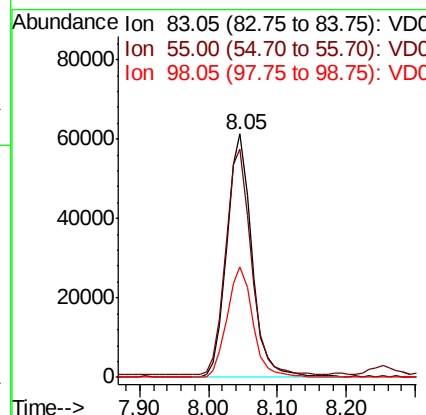
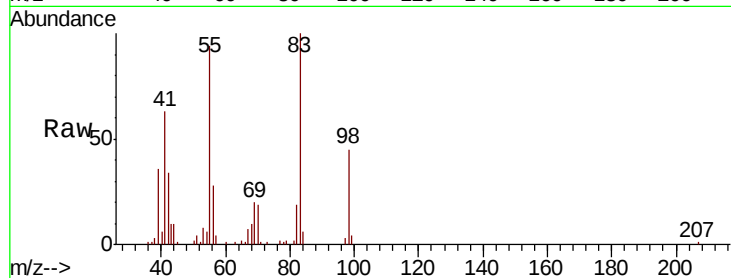
Tgt Ion: 83 Resp: 154686

Ion Ratio Lower Upper

83 100

55 94.0 75.8 113.6

98 45.4 38.3 57.5



#40

Benzene

Concen: 9.613 ug/l

RT: 6.80 min Scan# 668

Delta R.T. -0.01 min

Lab File: VD059872.D

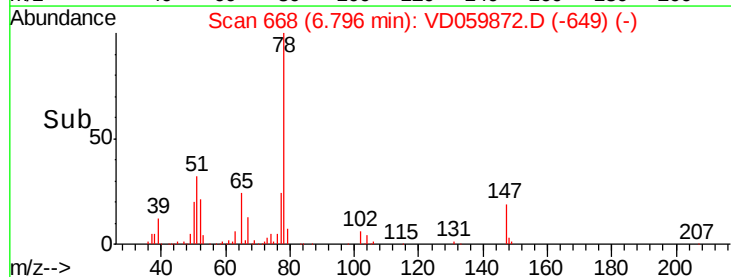
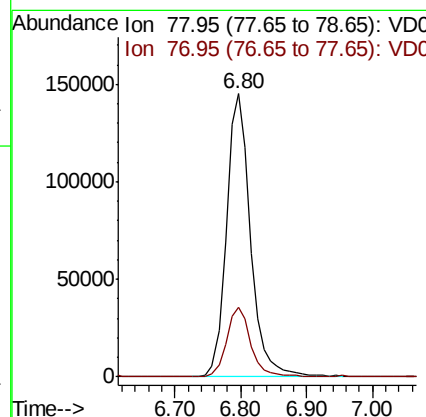
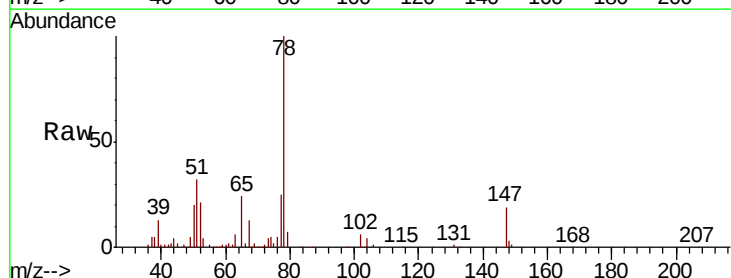
Acq: 22 Aug 2018 13:12

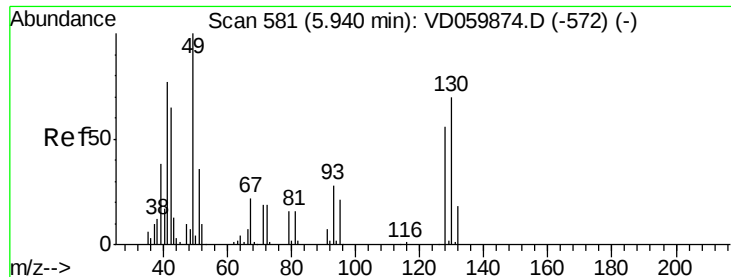
Tgt Ion: 78 Resp: 370385

Ion Ratio Lower Upper

78 100

77 24.6 19.0 28.4





#41

Methacrylonitrile

Concen: 12.742 ug/l

RT: 5.95 min Scan# 582

Delta R.T. 0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 134912

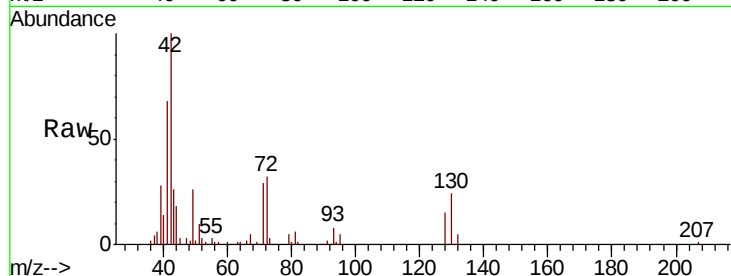
Ion Ratio Lower Upper

41 100

39 40.8 39.4 59.2

67 7.4 22.2 33.2#

52 4.3 10.1 15.1#

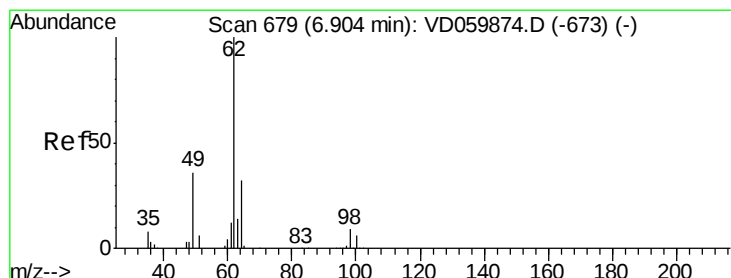
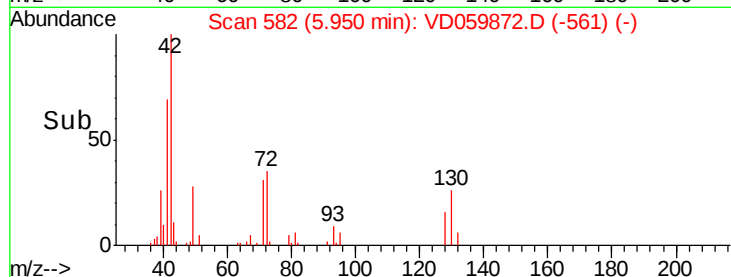
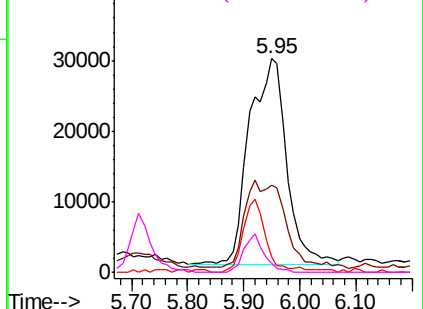


Abundance Ion 40.95 (40.65 to 41.65): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 9.584 ug/l

RT: 6.89 min Scan# 678

Delta R.T. -0.01 min

Lab File: VD059872.D

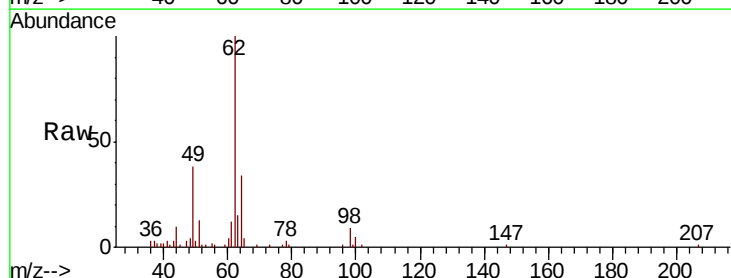
Acq: 22 Aug 2018 13:12

Tgt Ion: 62 Resp: 120446

Ion Ratio Lower Upper

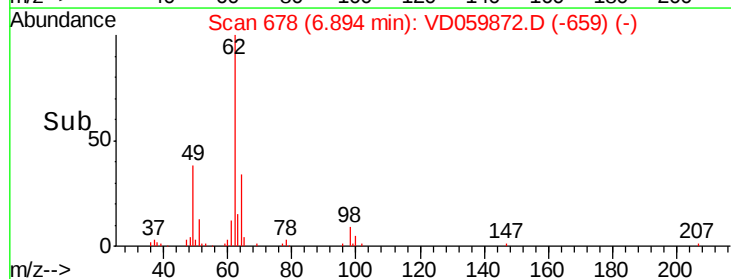
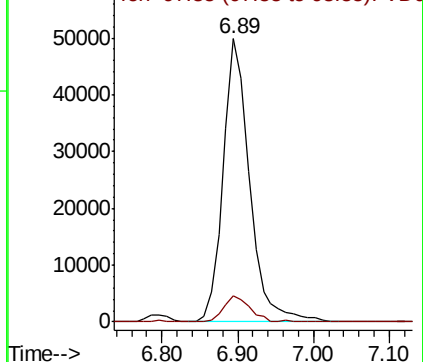
62 100

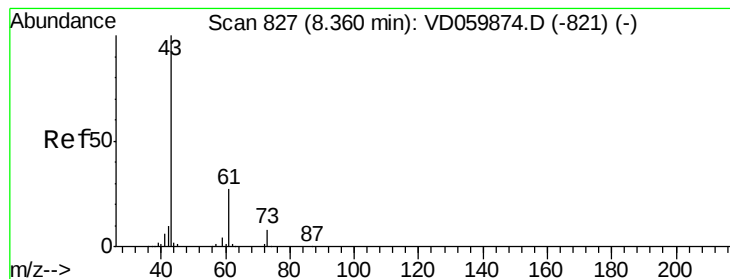
98 9.4 0.0 18.4



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.532 ug/l

RT: 8.35 min Scan# 826

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

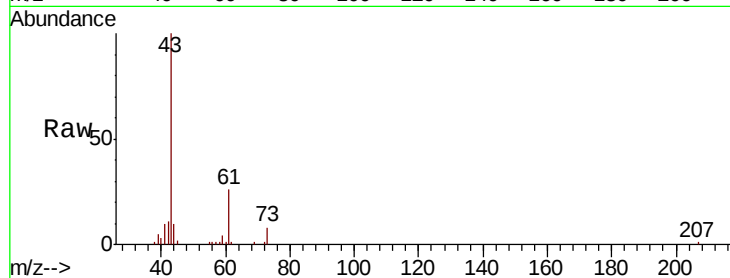
Tgt Ion: 43 Resp: 147762

Ion Ratio Lower Upper

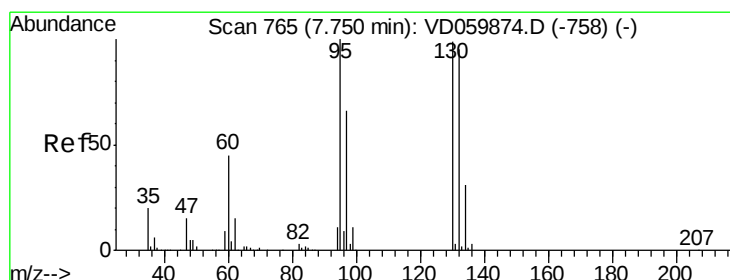
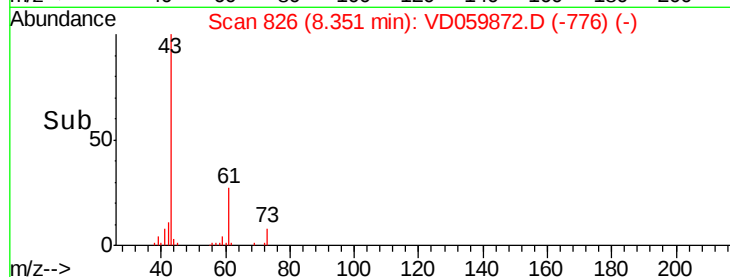
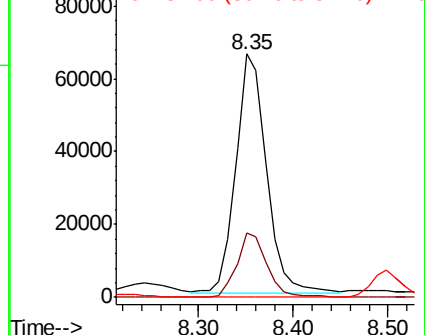
43 100

61 26.3 21.4 32.2

87 0.0 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: 9.497 ug/l

RT: 7.74 min Scan# 764

Delta R.T. -0.01 min

Lab File: VD059872.D

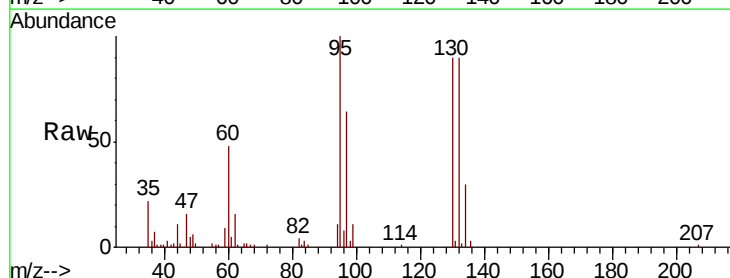
Acq: 22 Aug 2018 13:12

Tgt Ion: 130 Resp: 107487

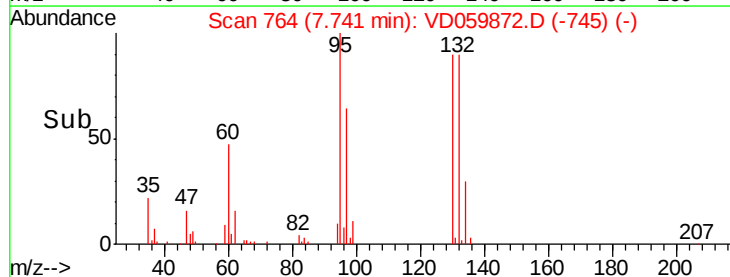
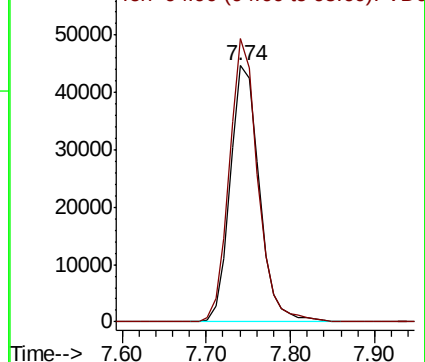
Ion Ratio Lower Upper

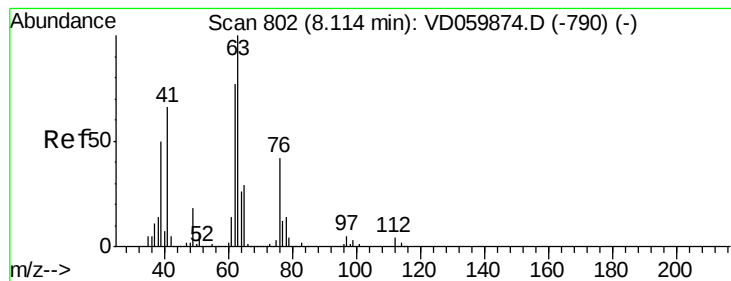
130 100

95 110.5 0.0 202.0



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





#45

1,2-Dichloropropane

Concen: 9.809 ug/l

RT: 8.10 min Scan# 801

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

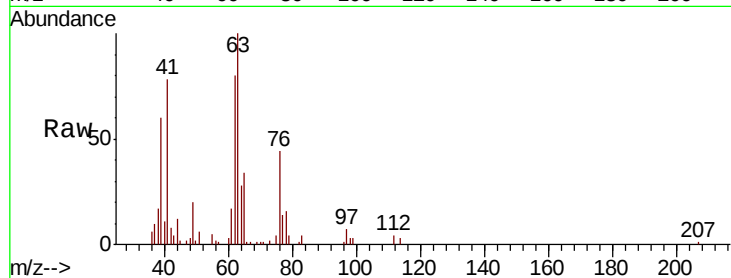
VSTDIC010

Tgt Ion: 63 Resp: 107004

Ion Ratio Lower Upper

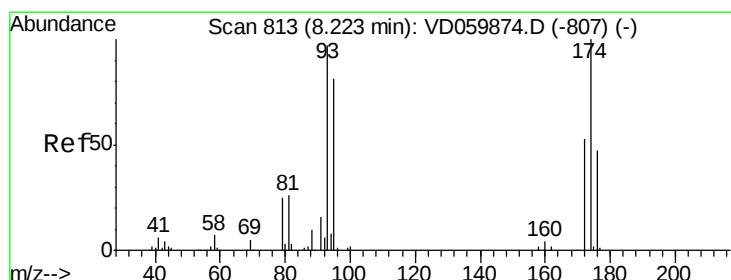
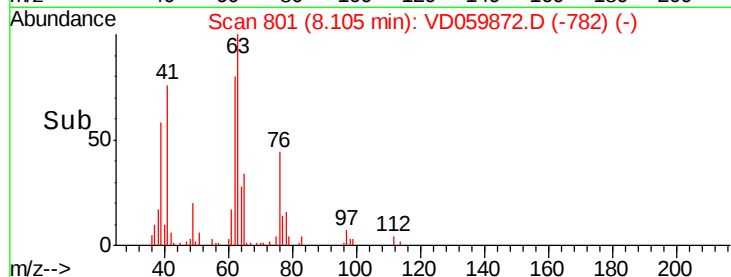
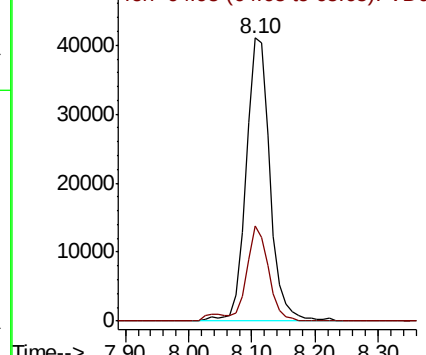
63 100

65 33.5 23.5 35.3



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 9.629 ug/l

RT: 8.22 min Scan# 813

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

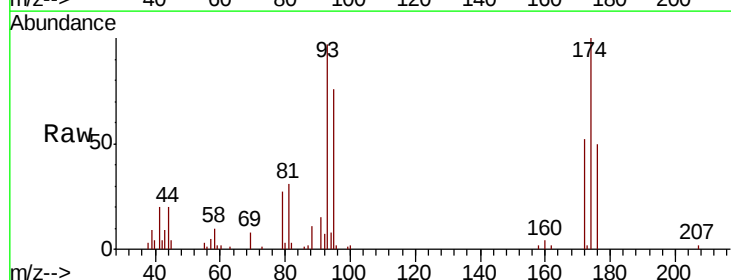
Tgt Ion: 93 Resp: 67321

Ion Ratio Lower Upper

93 100

95 77.7 66.6 100.0

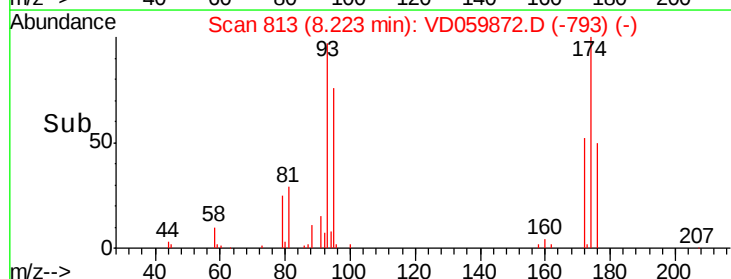
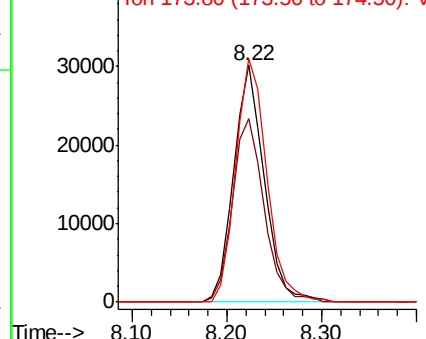
174 102.8 82.4 123.6

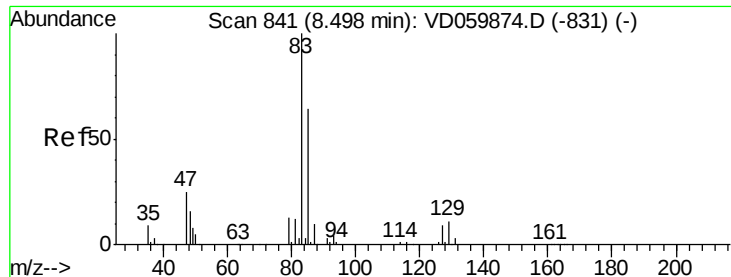


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 9.835 ug/l

RT: 8.50 min Scan# 841

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

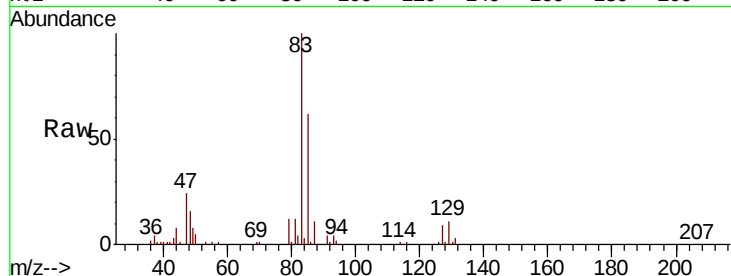
Tgt Ion: 83 Resp: 155418

Ion Ratio Lower Upper

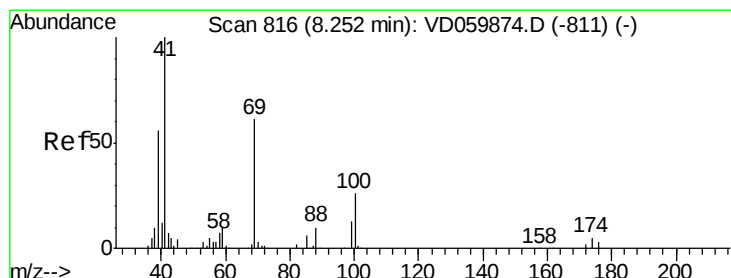
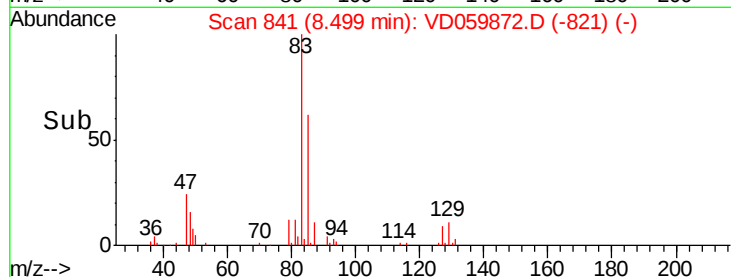
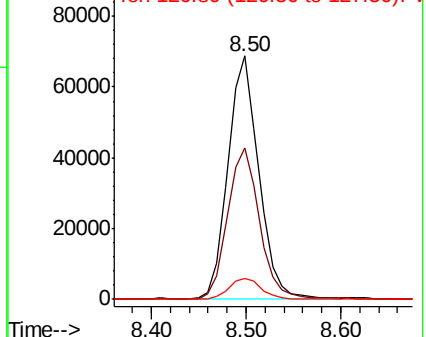
83 100

85 62.4 51.3 76.9

127 8.6 7.0 10.4



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: 9.895 ug/l

RT: 8.25 min Scan# 816

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

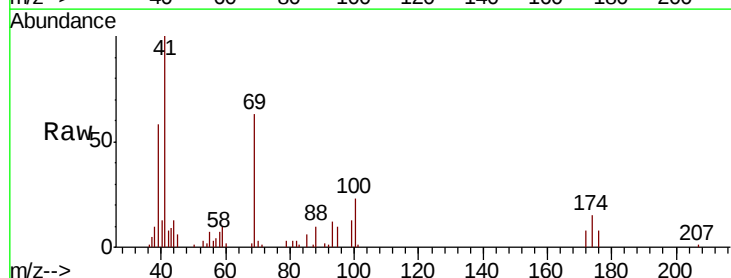
Tgt Ion: 41 Resp: 86349

Ion Ratio Lower Upper

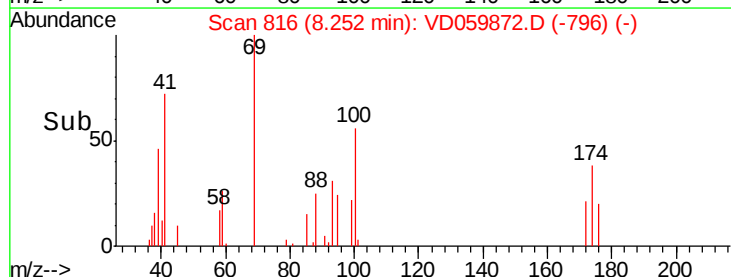
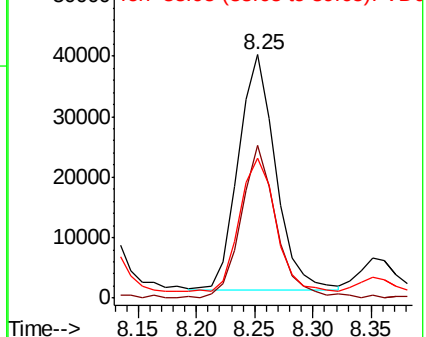
41 100

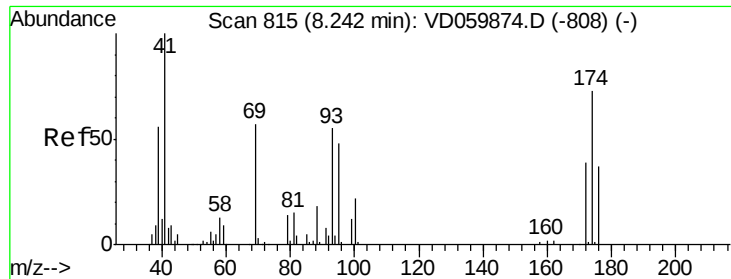
69 62.5 48.0 72.0

39 57.6 45.4 68.0



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





#49

1,4-Dioxane

Concen: 197.904 ug/l

RT: 8.23 min Scan# 814

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

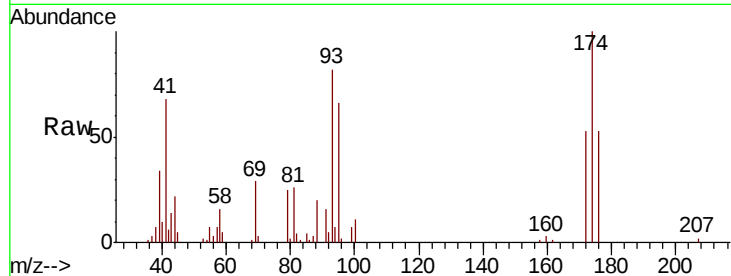
Tgt Ion: 88 Resp: 15748

Ion Ratio Lower Upper

88 100

43 69.4 45.0 67.6#

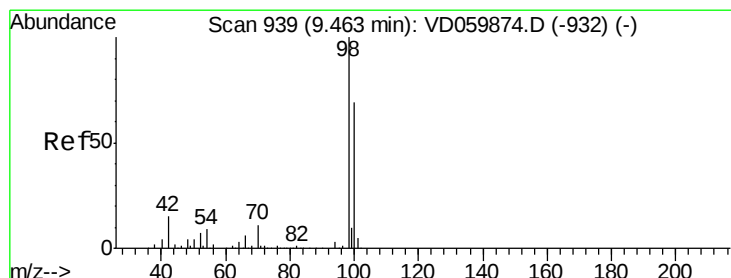
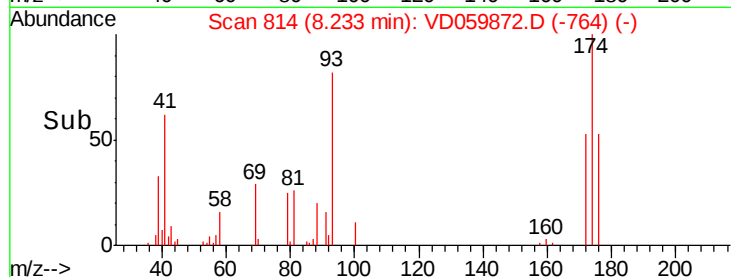
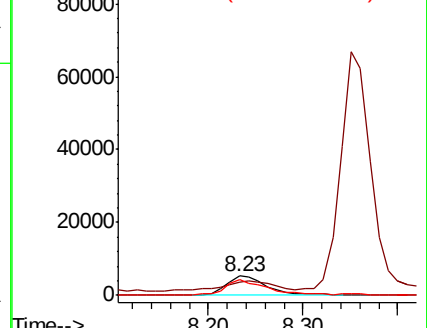
58 79.5 55.8 83.8



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: 197.904 ug/l

RT: 9.46 min Scan# 939

Delta R.T. 0.00 min

Lab File: VD059872.D

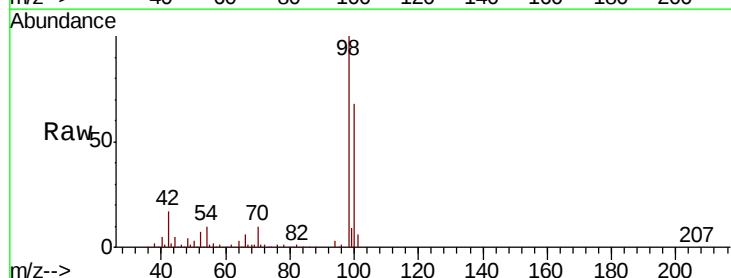
Acq: 22 Aug 2018 13:12

Tgt Ion: 98 Resp: 351178

Ion Ratio Lower Upper

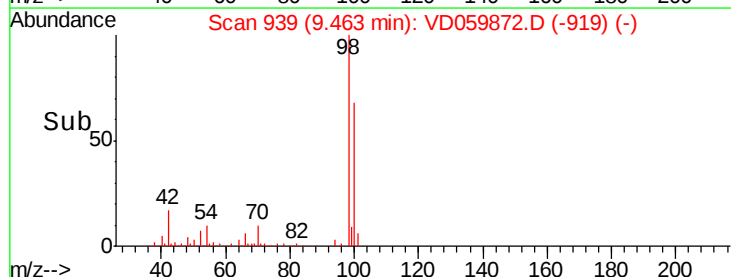
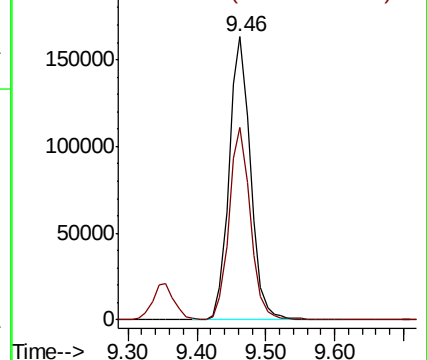
98 100

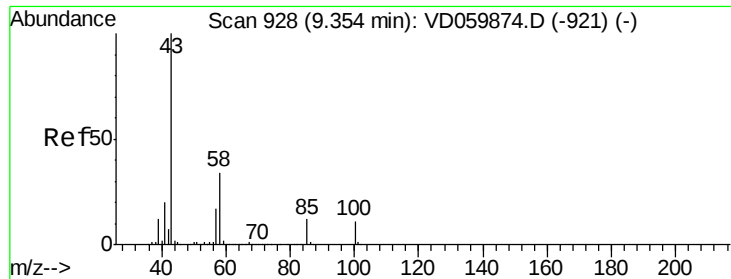
100 67.8 55.8 83.6



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC





#51

4-Methyl-2-Pentanone

Concen: 46.629 ug/l

RT: 9.34 min Scan# 927

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

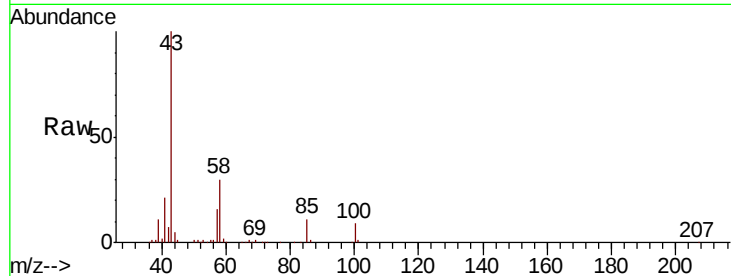
VSTDIC010

Tgt Ion: 43 Resp: 502396

Ion Ratio Lower Upper

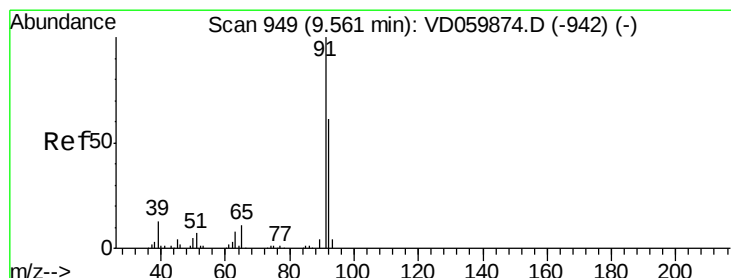
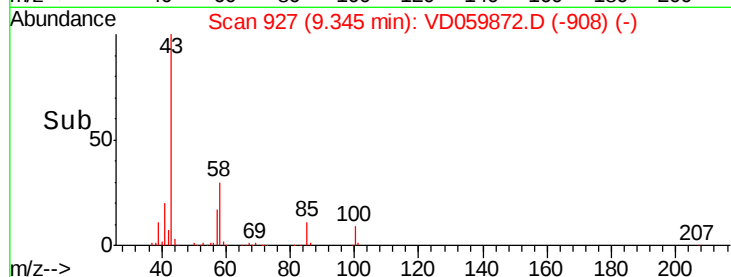
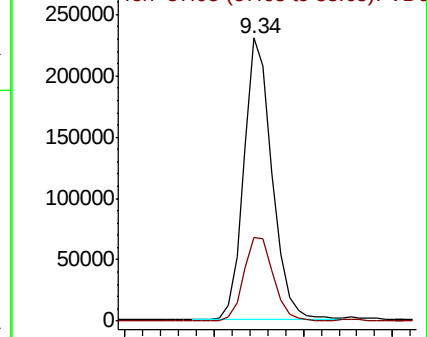
43 100

58 29.8 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: 9.705 ug/l

RT: 9.55 min Scan# 948

Delta R.T. -0.01 min

Lab File: VD059872.D

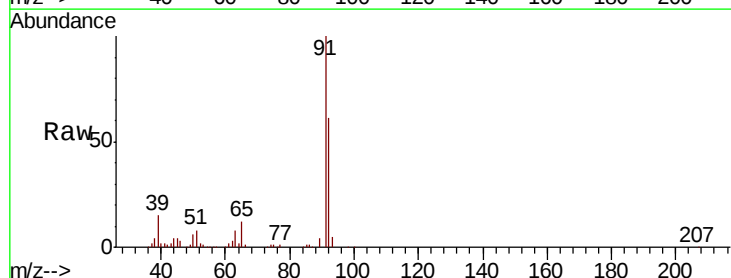
Acq: 22 Aug 2018 13:12

Tgt Ion: 92 Resp: 240589

Ion Ratio Lower Upper

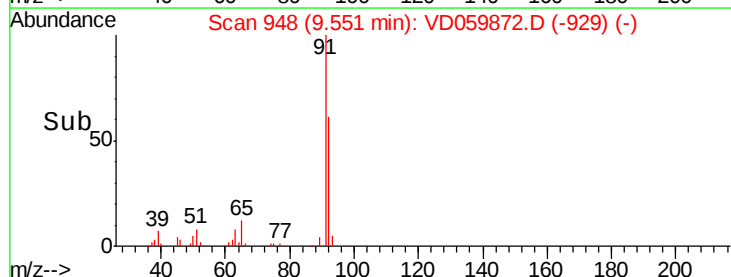
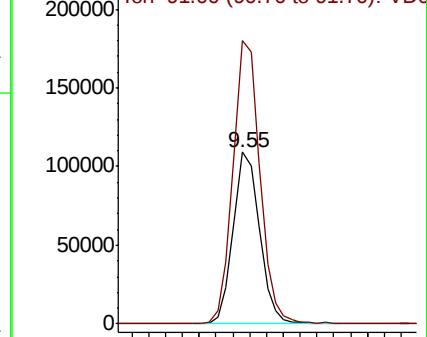
92 100

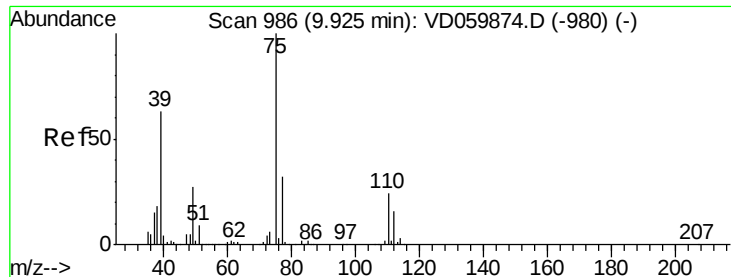
91 164.7 131.4 197.2



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

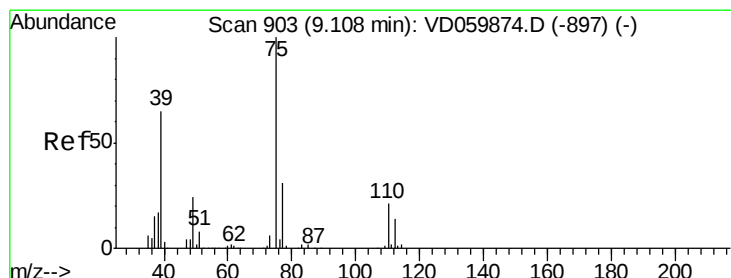
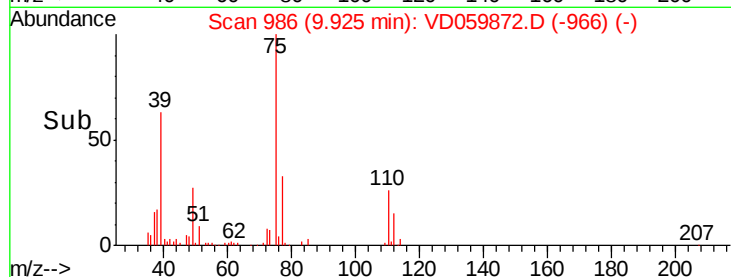
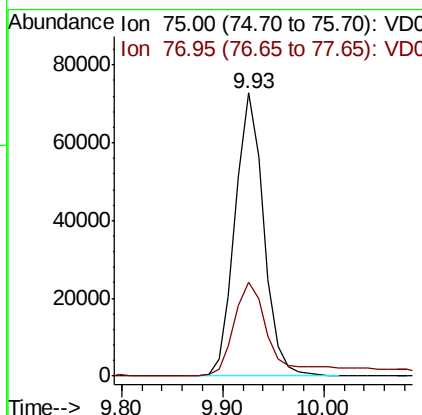
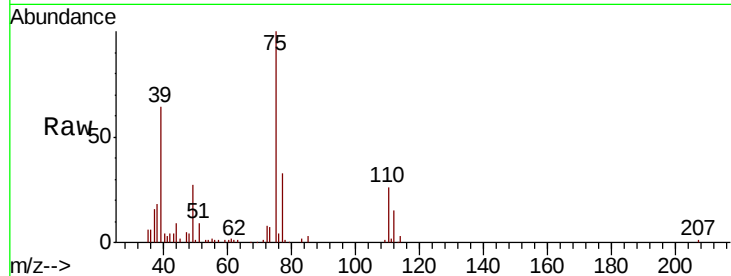




#53
 t-1,3-Dichloropropene
 Concen: 9.791 ug/l
 RT: 9.93 min Scan# 986
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

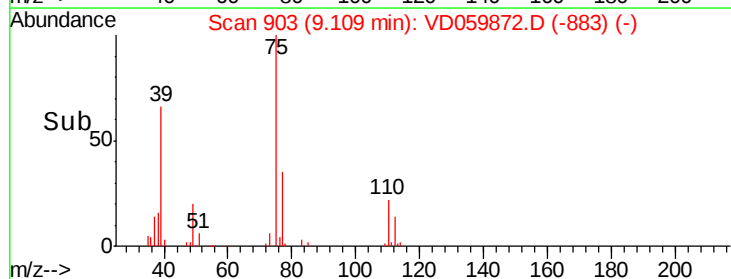
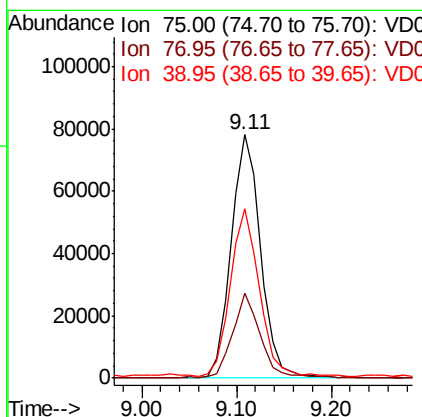
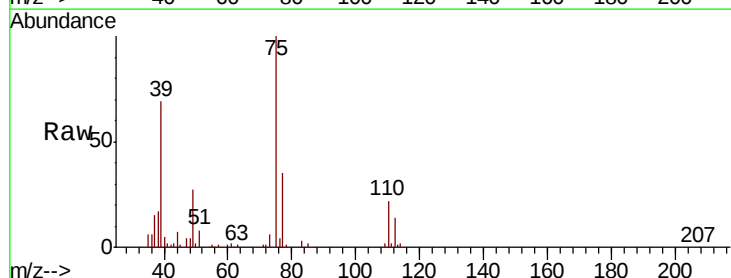
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

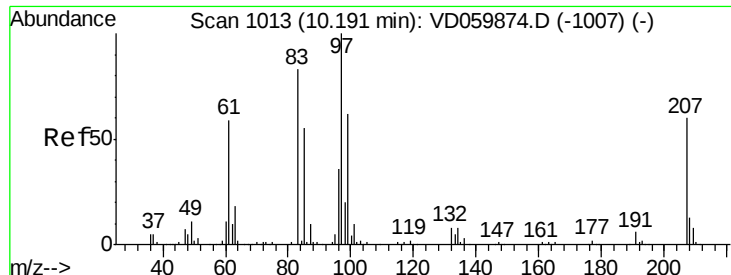
Tgt Ion: 75 Resp: 143595
 Ion Ratio Lower Upper
 75 100
 77 33.2 25.4 38.2



#54
 cis-1,3-Dichloropropene
 Concen: 9.832 ug/l
 RT: 9.11 min Scan# 903
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion: 75 Resp: 167832
 Ion Ratio Lower Upper
 75 100
 77 34.8 24.8 37.2
 39 69.5 52.1 78.1

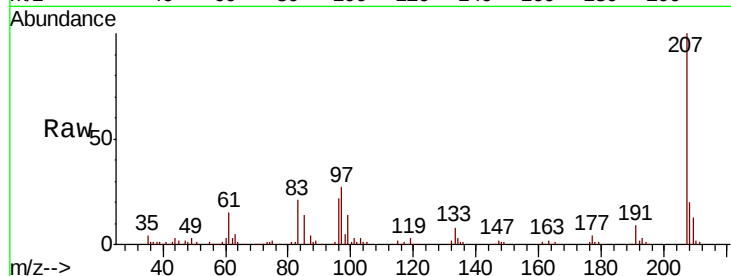




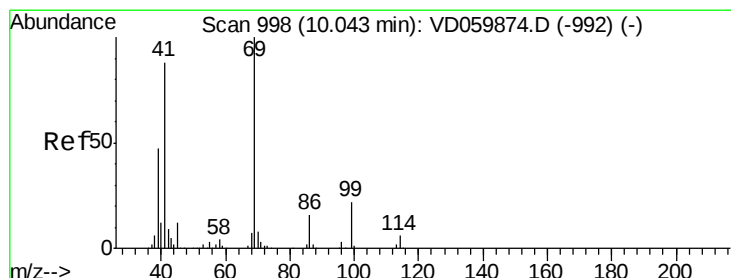
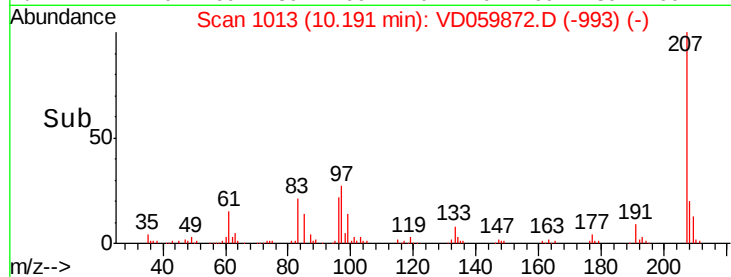
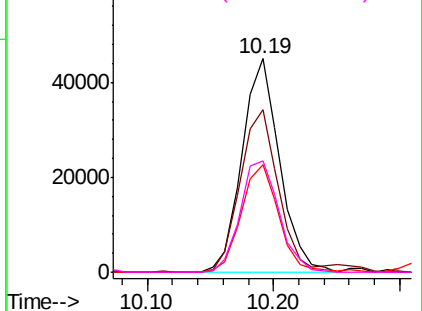
#55
 1,1,2-Trichloroethane
 Concen: 10.299 ug/l
 RT: 10.19 min Scan# 1013
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:	97	Resp:	93001
Ion	Ratio	Lower	Upper
97	100		
83	76.0	66.7	100.1
85	50.4	43.8	65.6
99	52.2	49.8	74.6

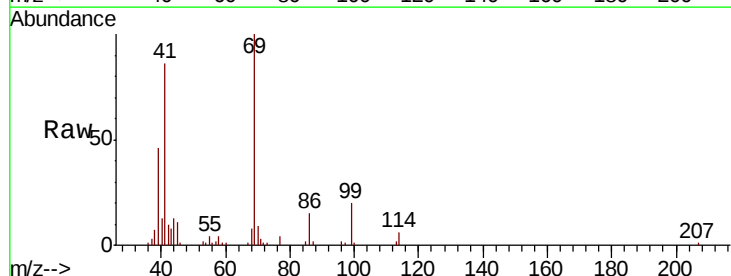


Abundance Ion 96.85 (96.55 to 97.55): VDC
 Ion 82.95 (82.65 to 83.65): VDC
 Ion 84.95 (84.65 to 85.65): VDC
 Ion 98.85 (98.55 to 99.55): VDC

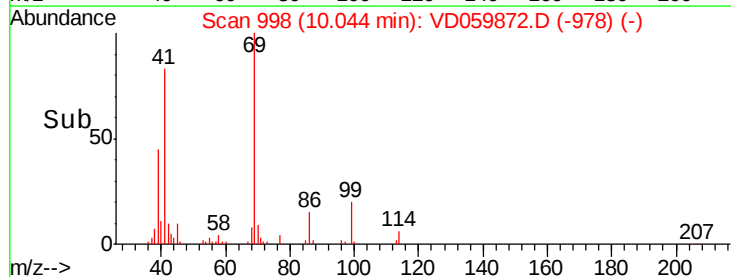
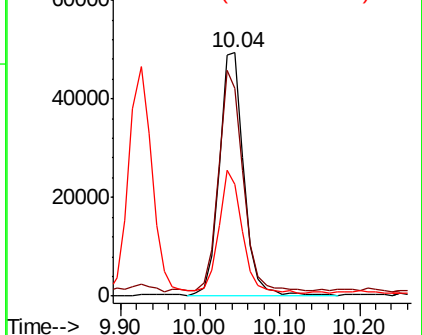


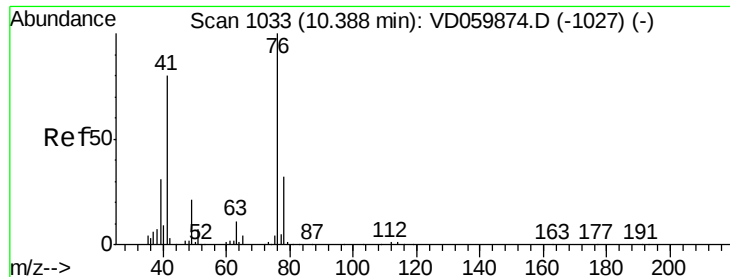
#56
 Ethyl methacrylate
 Concen: 10.013 ug/l
 RT: 10.04 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion:	69	Resp:	107571
Ion	Ratio	Lower	Upper
69	100		
41	85.5	71.0	106.4
39	46.0	38.5	57.7



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

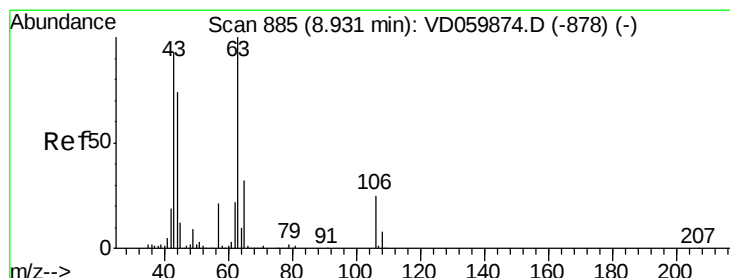
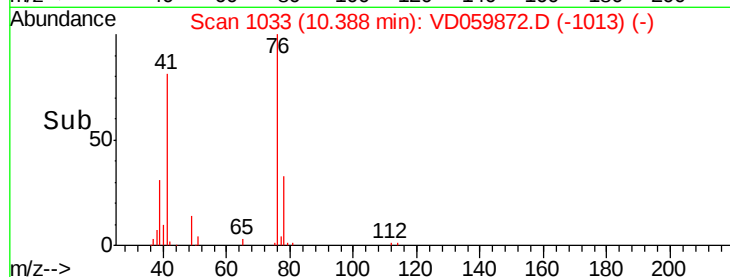
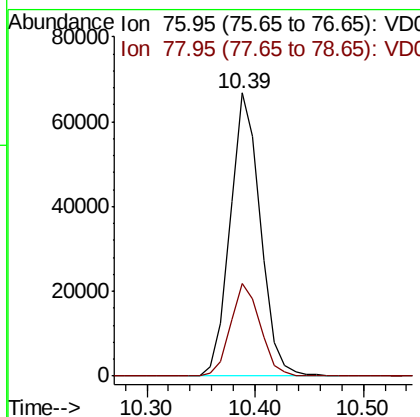
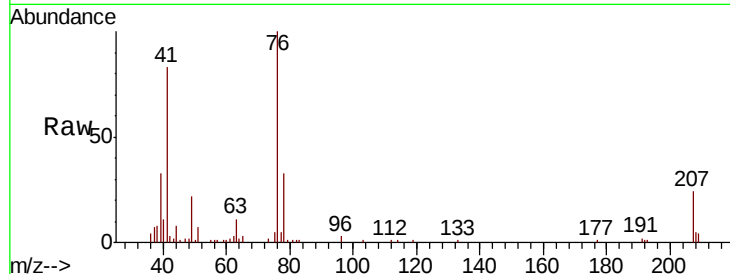




#57
 1,3-Dichloropropane
 Concen: 9.770 ug/l
 RT: 10.39 min Scan# 1033
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

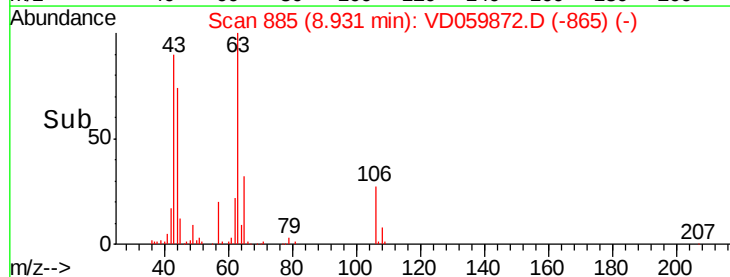
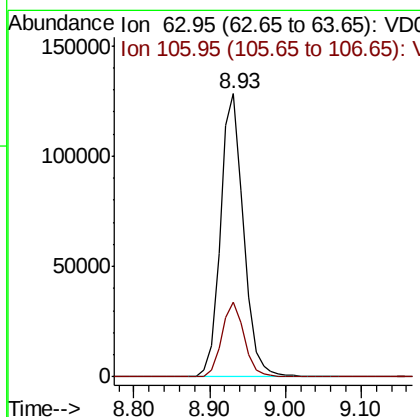
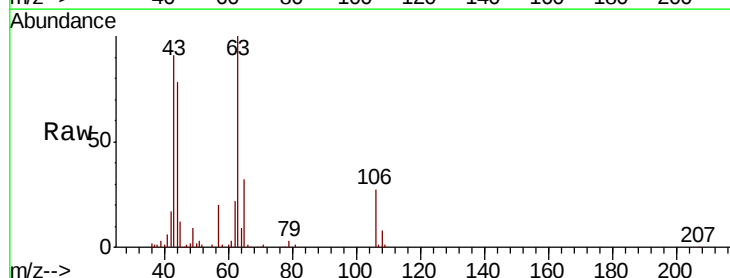
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

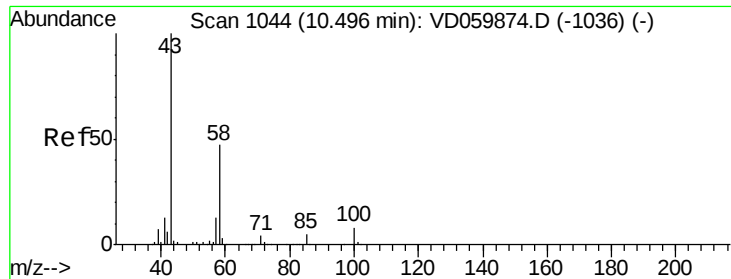
Tgt Ion: 76 Resp: 129201
 Ion Ratio Lower Upper
 76 100
 78 32.9 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 52.872 ug/l
 RT: 8.93 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion: 63 Resp: 270678
 Ion Ratio Lower Upper
 63 100
 106 26.6 20.1 30.1

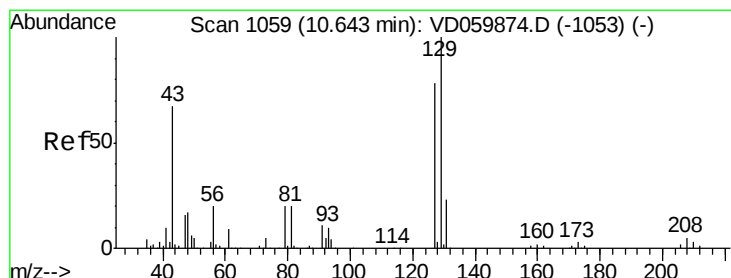
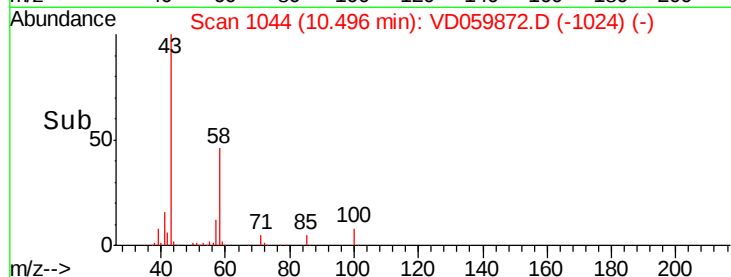
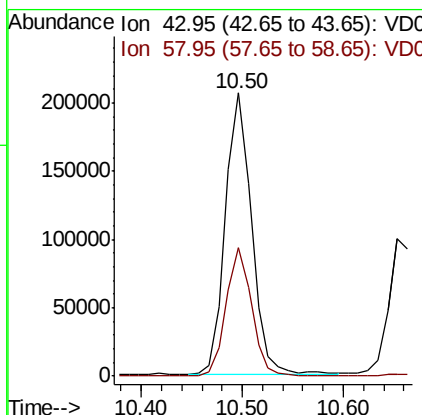
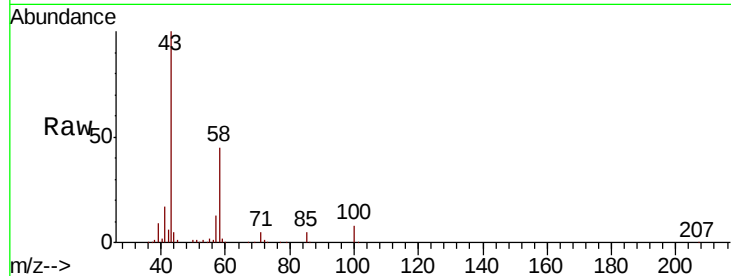




#59
2-Hexanone
Concen: 47.274 ug/l
RT: 10.50 min Scan# 1044
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

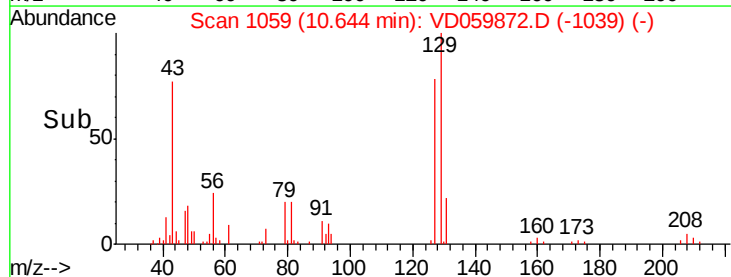
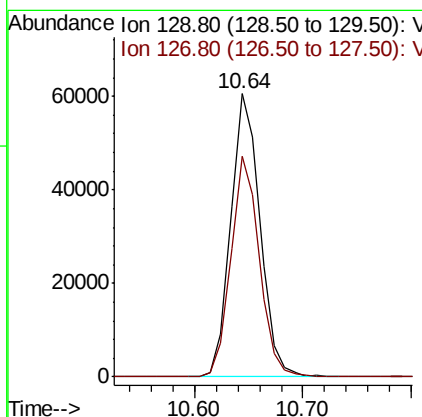
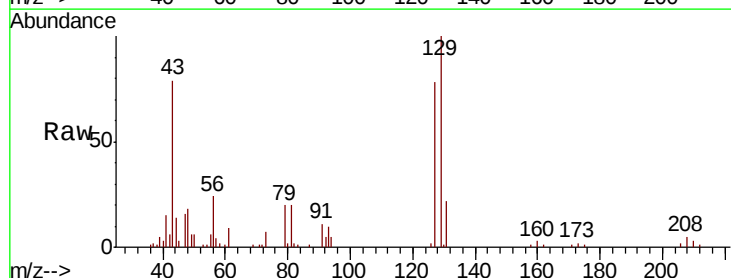
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

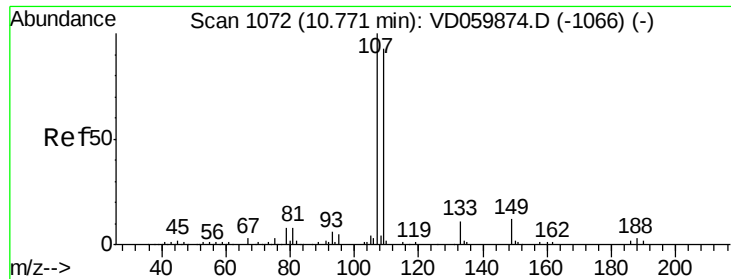
Tgt Ion: 43 Resp: 369370
Ion Ratio Lower Upper
43 100
58 45.2 23.3 69.8



#60
Dibromochloromethane
Concen: 9.862 ug/l
RT: 10.64 min Scan# 1059
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 129 Resp: 113412
Ion Ratio Lower Upper
129 100
127 78.2 39.1 117.2





#61

1,2-Dibromoethane

Concen: 9.694 ug/l

RT: 10.76 min Scan# 1071

Delta R.T. -0.01 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

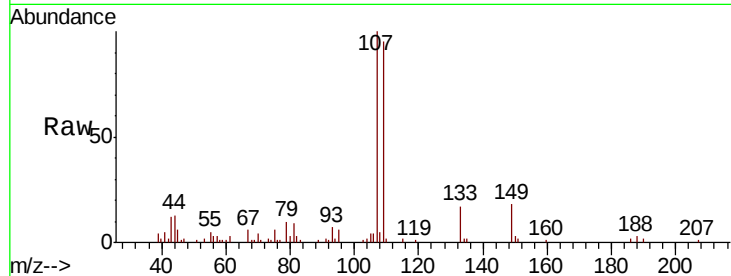
VSTDIC010

Tgt Ion: 107 Resp: 90278

Ion Ratio Lower Upper

107 100

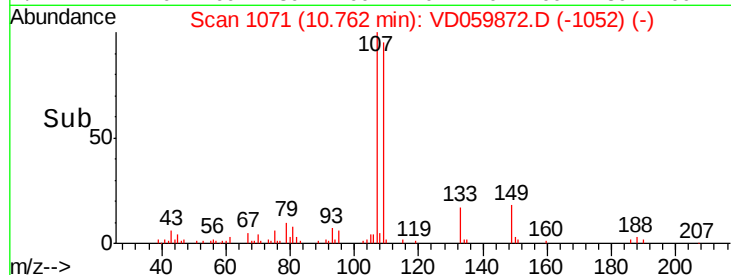
109 94.7 74.6 112.0



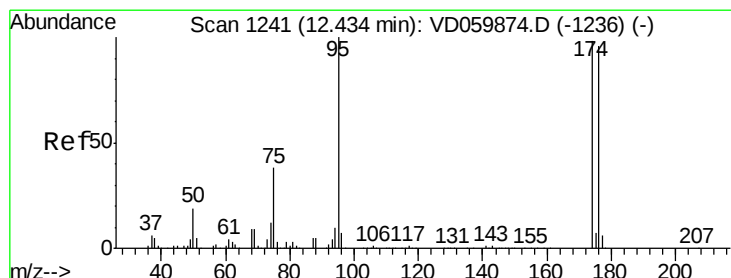
Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V

10.76



Time-->



#62

4-Bromofluorobenzene

Concen: 9.694 ug/l

RT: 12.43 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

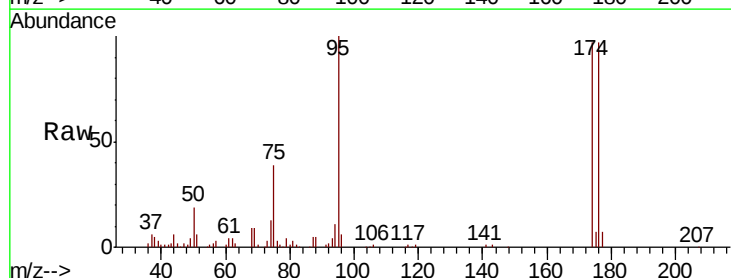
Tgt Ion: 95 Resp: 146770

Ion Ratio Lower Upper

95 100

174 96.9 0.0 195.6

176 97.0 0.0 191.2

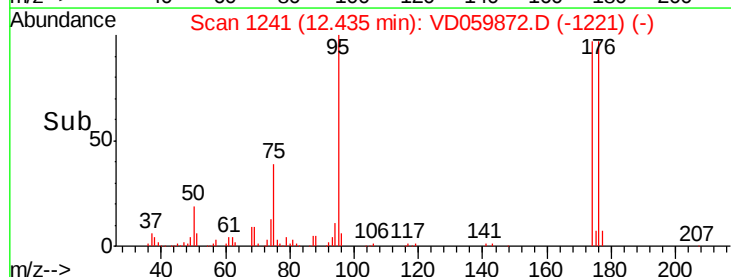


Abundance Ion 95.00 (94.70 to 95.70): V

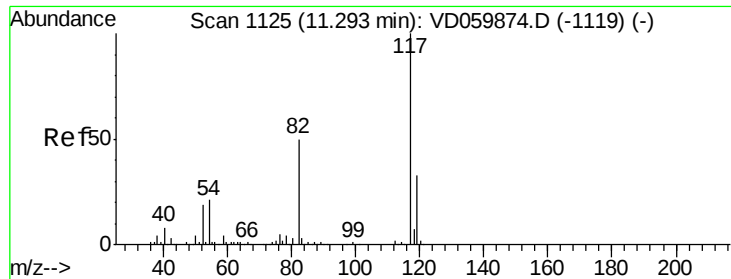
Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

12.43



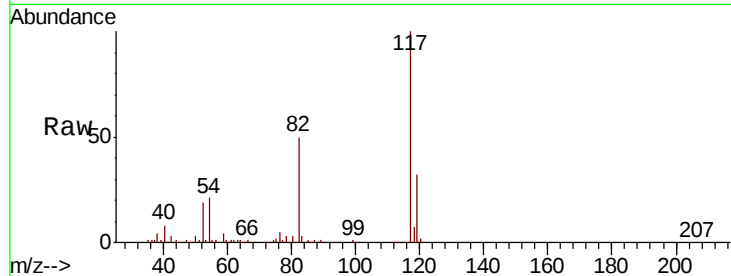
Time-->



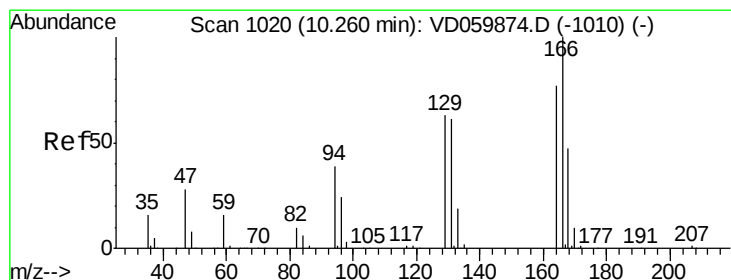
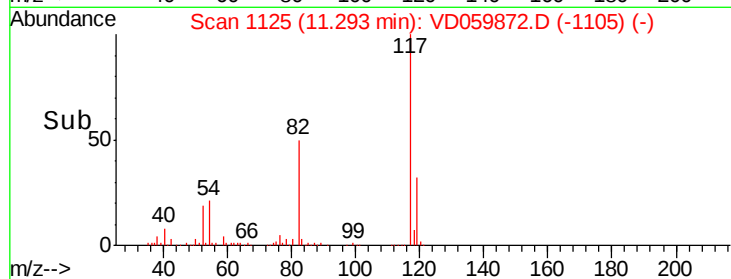
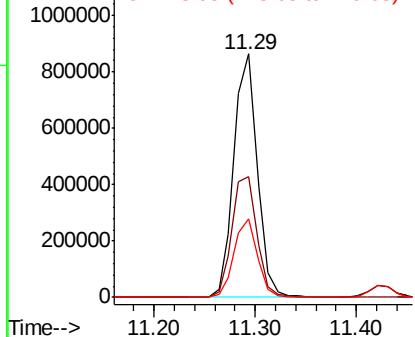
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.29 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 1388035
Ion Ratio Lower Upper
117 100
82 49.7 40.1 60.1
119 32.2 26.7 40.1

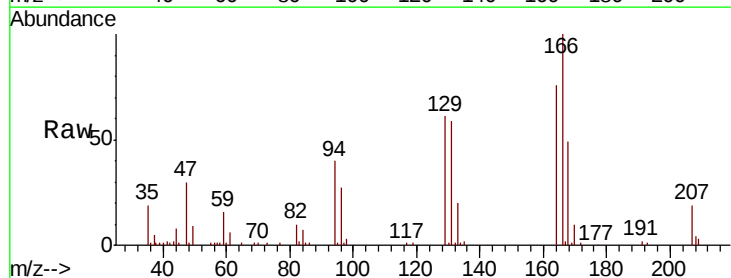


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): VD
Ion 118.95 (118.65 to 119.65): V

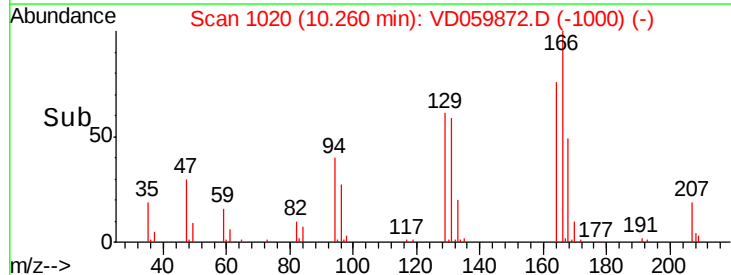
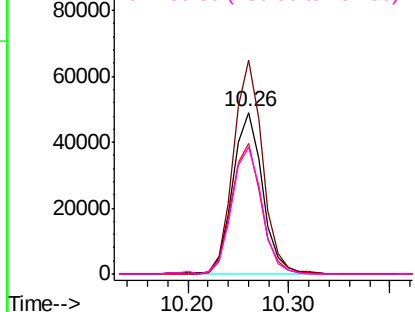


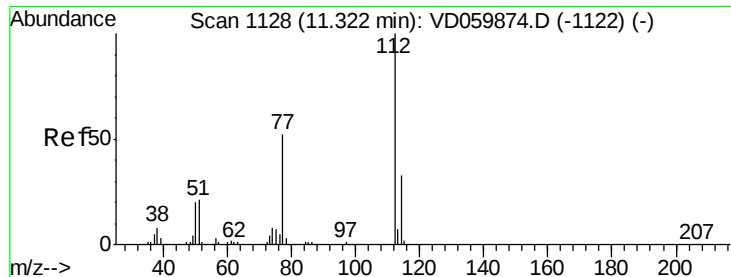
#64
Tetrachloroethene
Concen: 9.541 ug/l
RT: 10.26 min Scan# 1020
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion:164 Resp: 101191
Ion Ratio Lower Upper
164 100
166 131.9 103.4 155.2
129 80.5 65.2 97.8
131 78.2 63.1 94.7



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

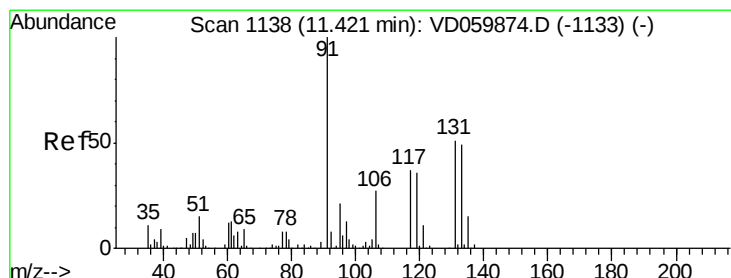
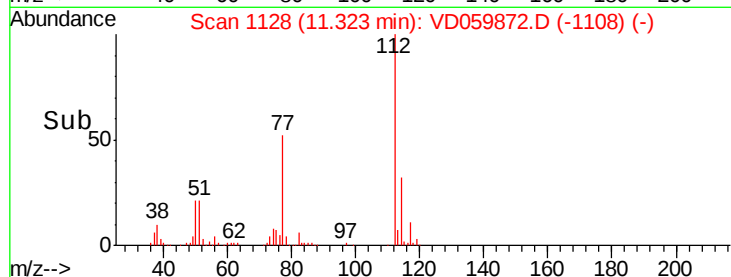
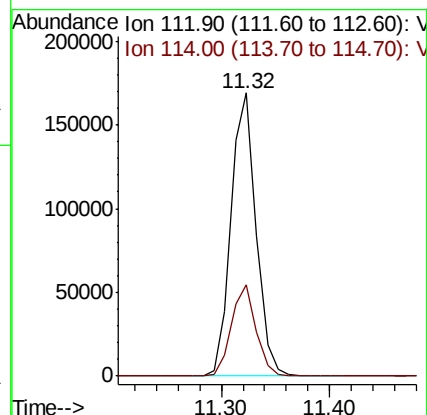
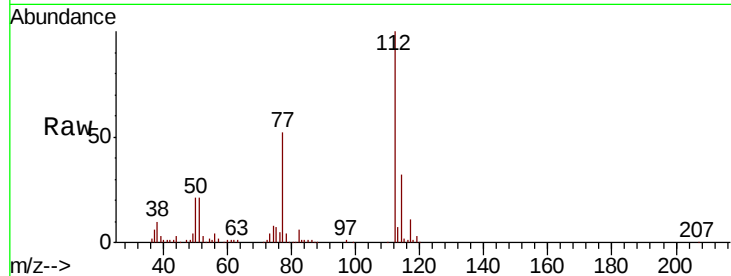




#65
Chlorobenzene
Concen: 10.011 ug/l
RT: 11.32 min Scan# 1128
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

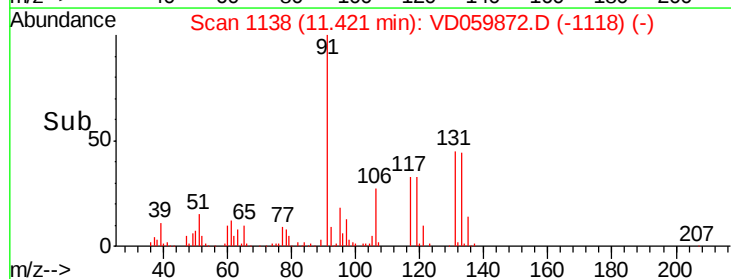
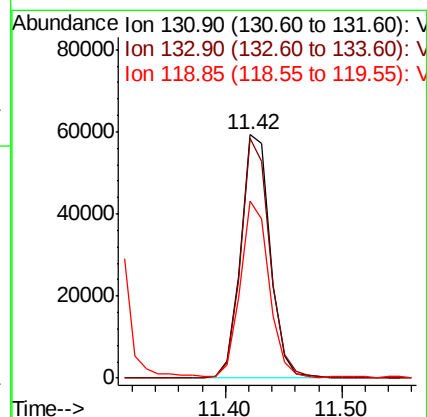
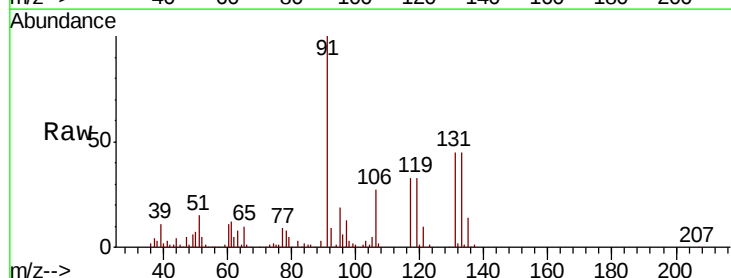
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

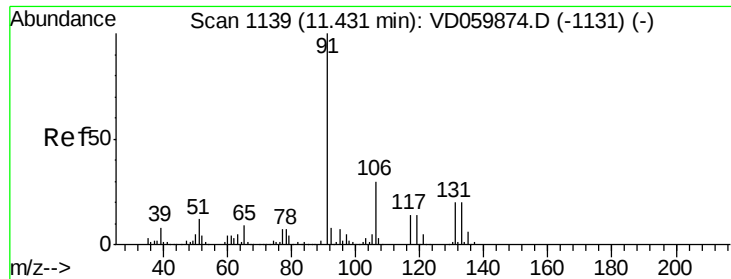
Tgt Ion:112 Resp: 272547
Ion Ratio Lower Upper
112 100
114 32.3 26.4 39.6



#66
1,1,1,2-Tetrachloroethane
Concen: 10.540 ug/l
RT: 11.42 min Scan# 1138
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion:131 Resp: 103865
Ion Ratio Lower Upper
131 100
133 98.5 48.3 144.8
119 72.8 35.4 106.3

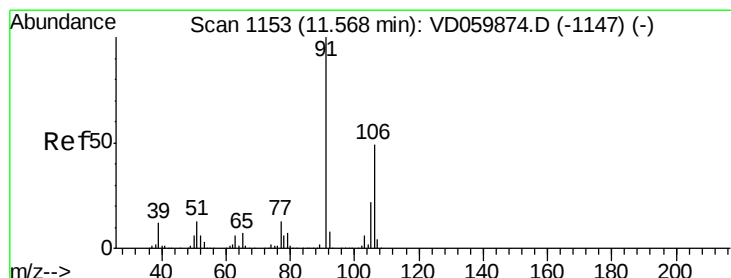
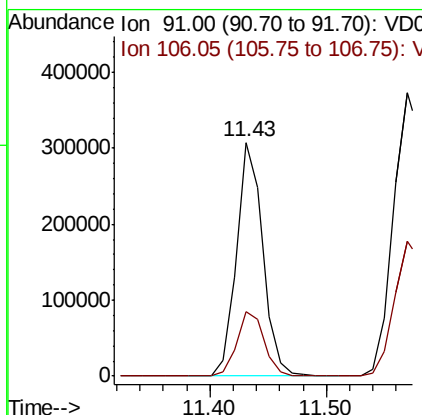
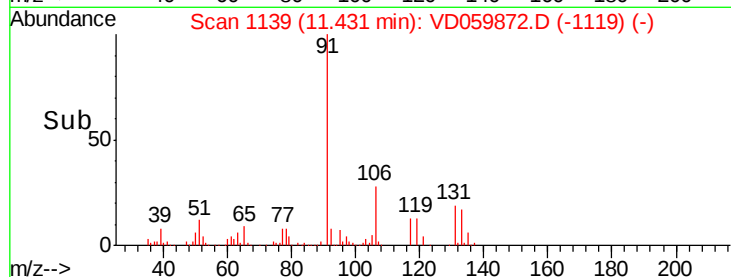
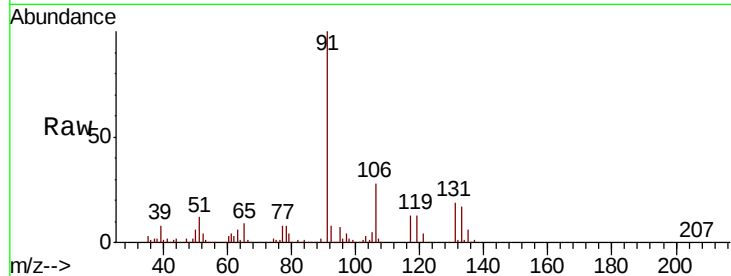




#67
Ethyl Benzene
Concen: 10.787 ug/l
RT: 11.43 min Scan# 1139
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

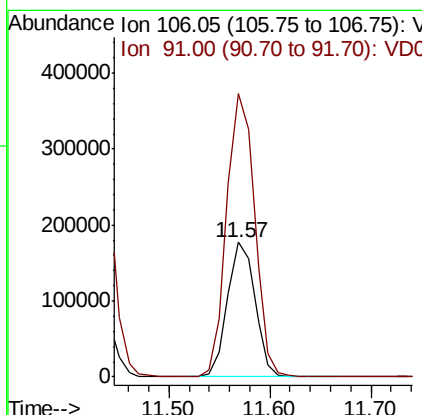
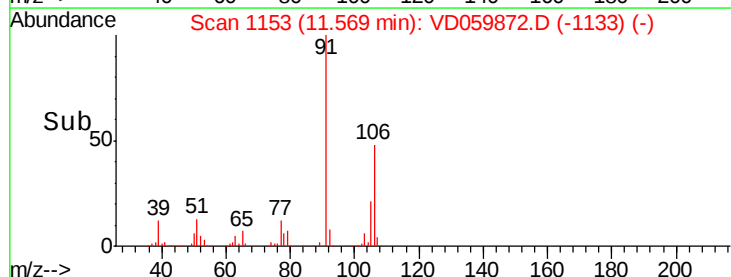
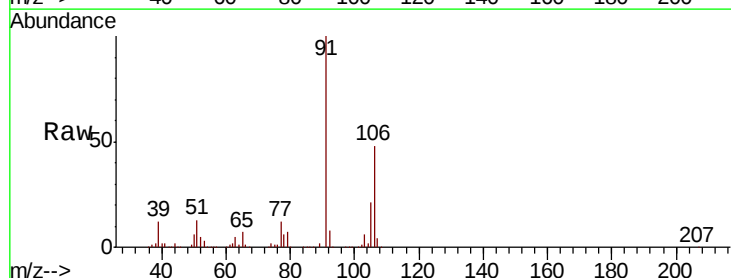
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

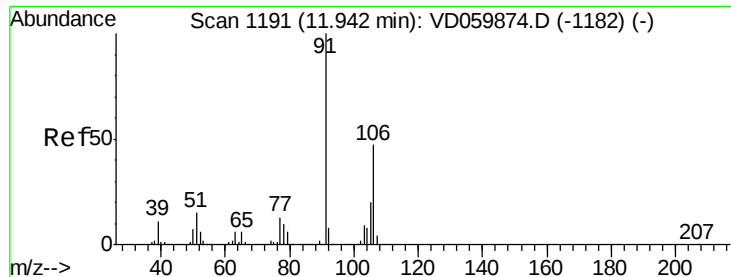
Tgt Ion: 91 Resp: 479933
Ion Ratio Lower Upper
91 100
106 27.8 23.8 35.8



#68
m/p-Xylenes
Concen: 21.039 ug/l
RT: 11.57 min Scan# 1153
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion: 106 Resp: 337848
Ion Ratio Lower Upper
106 100
91 210.1 162.0 243.0

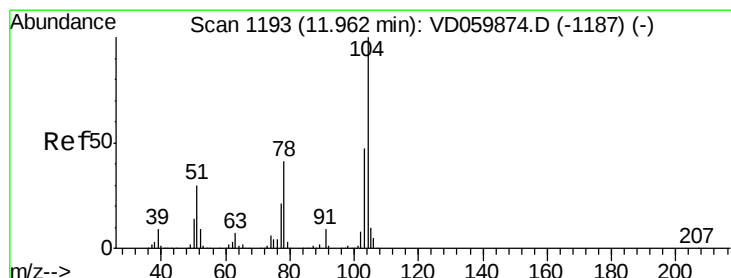
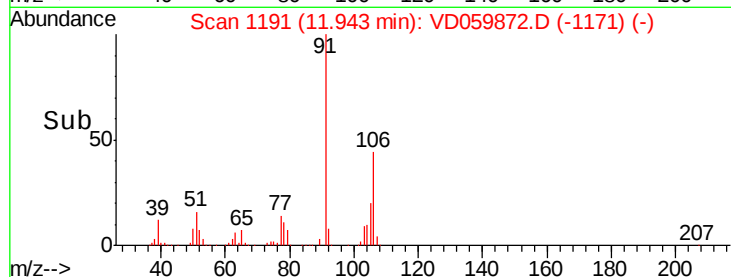
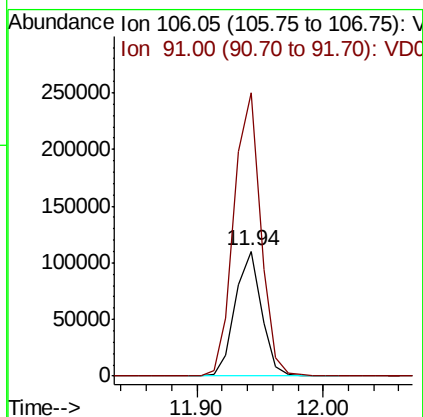
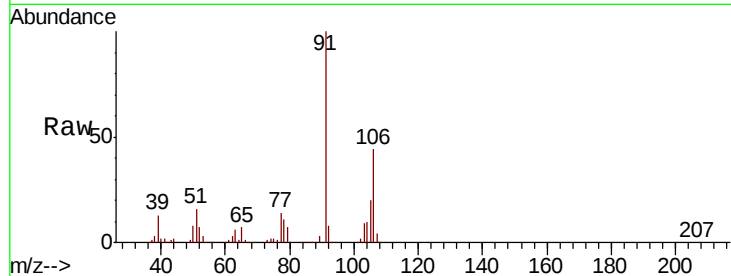




#69
o-Xylene
Concen: 10.083 ug/l
RT: 11.94 min Scan# 1191
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

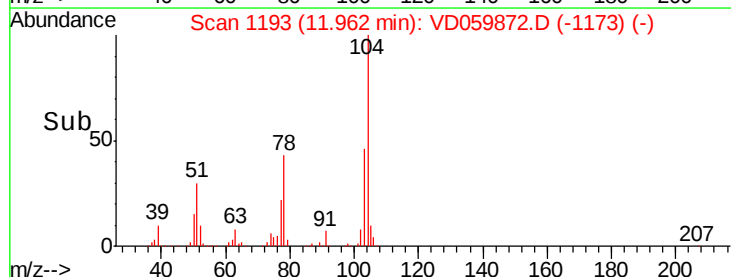
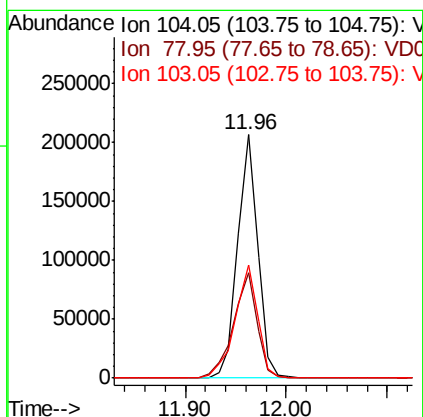
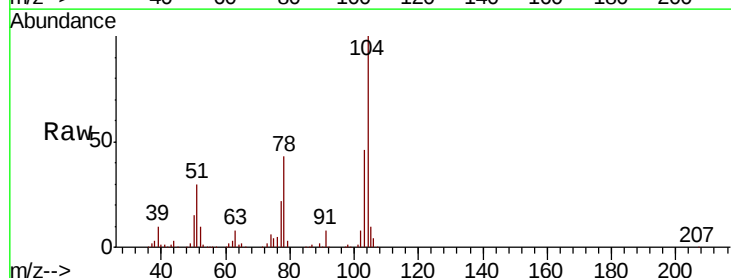
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

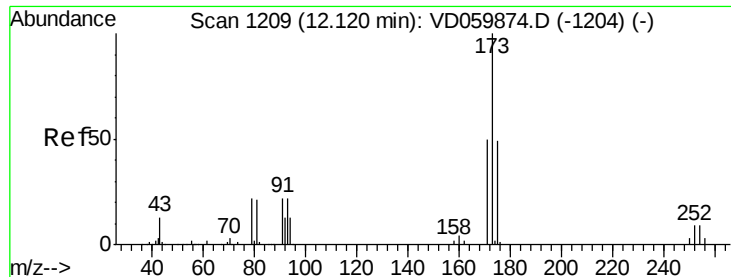
Tgt Ion:106 Resp: 158946
Ion Ratio Lower Upper
106 100
91 226.2 107.3 322.0



#70
Styrene
Concen: 10.485 ug/l
RT: 11.96 min Scan# 1193
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion:104 Resp: 287095
Ion Ratio Lower Upper
104 100
78 43.3 32.6 49.0
103 46.2 37.7 56.5

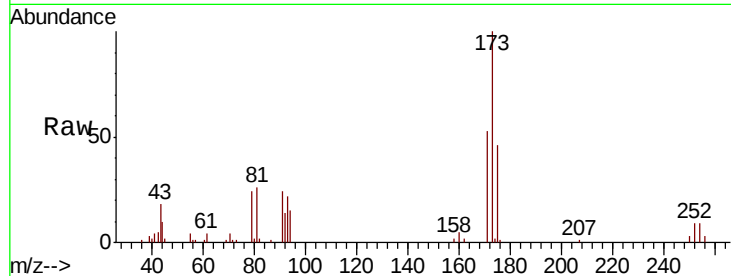




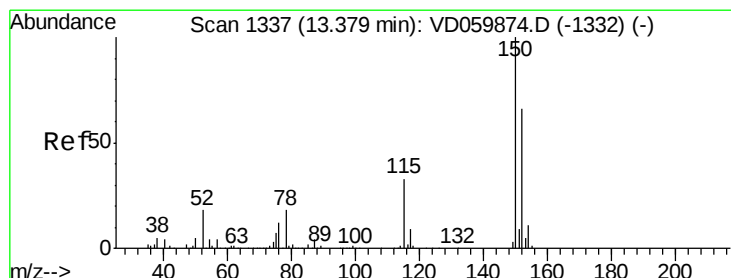
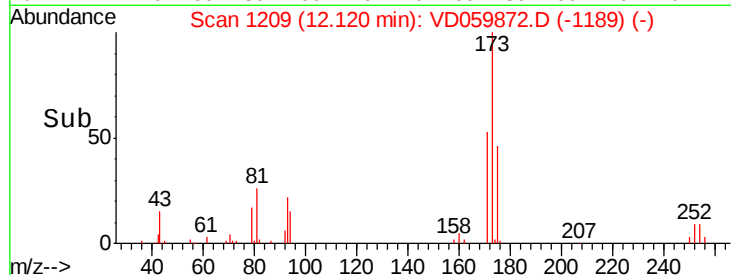
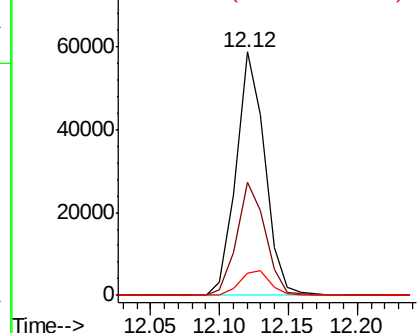
#71
Bromoform
Concen: 9.746 ug/l
RT: 12.12 min Scan# 1209
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:173 Resp: 85239
Ion Ratio Lower Upper
173 100
175 46.5 24.3 73.0
254 9.4 7.0 10.6

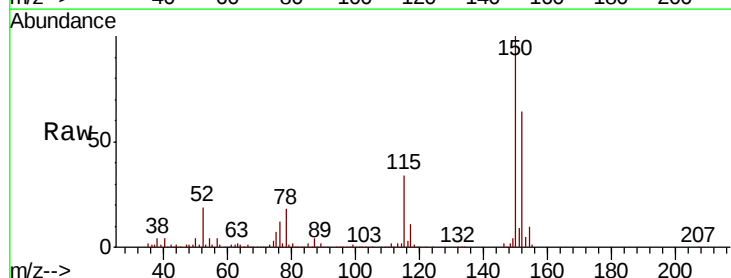


Abundance Ion 172.80 (172.50 to 173.50): V
Ion 174.80 (174.50 to 175.50): V
Ion 253.70 (253.40 to 254.40): V

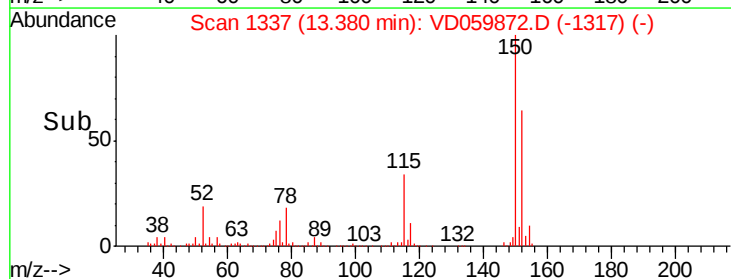
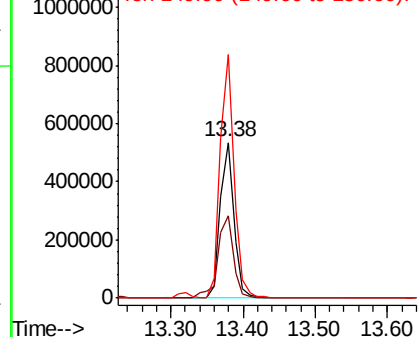


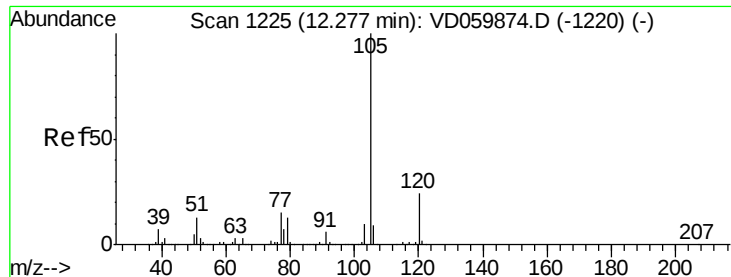
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.38 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion:152 Resp: 693214
Ion Ratio Lower Upper
152 100
115 52.7 25.7 77.0
150 156.3 0.0 310.2



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: 10.466 ug/l

RT: 12.28 min Scan# 1225

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

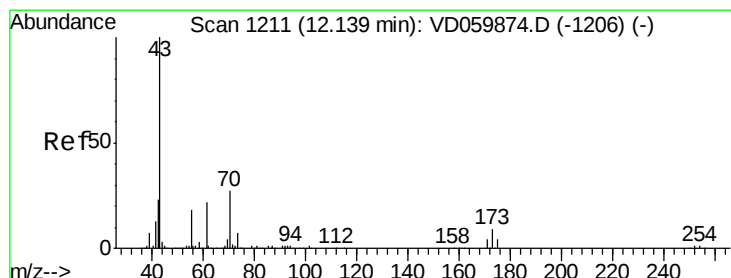
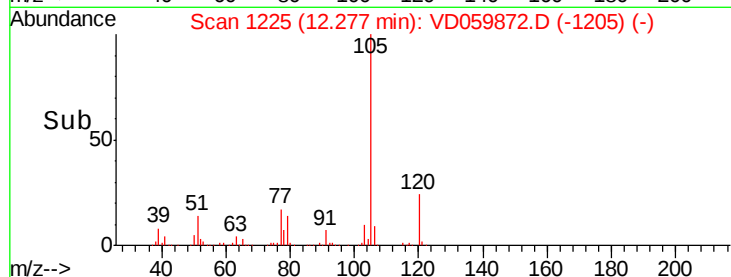
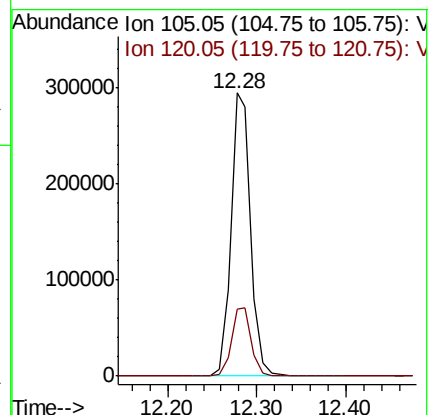
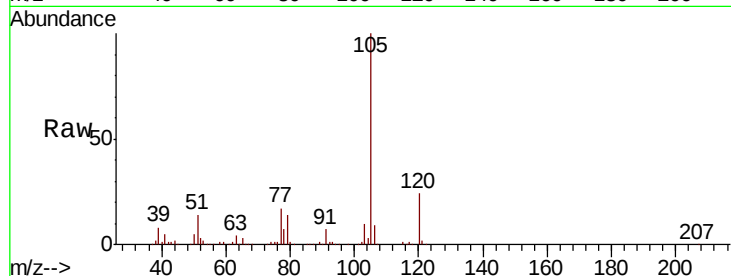
VSTDIC010

Tgt Ion:105 Resp: 457510

Ion Ratio Lower Upper

105 100

120 23.6 11.8 35.4



#74

N-ethyl acetate

Concen: 10.242 ug/l

RT: 12.14 min Scan# 1211

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Tgt Ion: 43 Resp: 200042

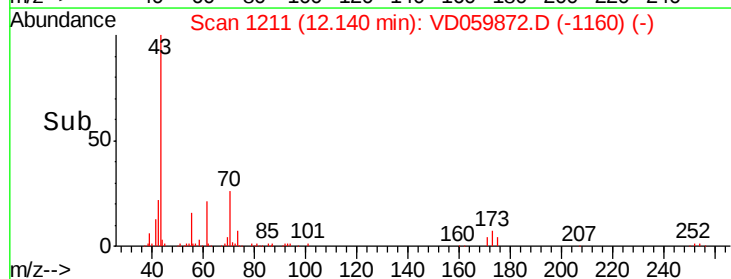
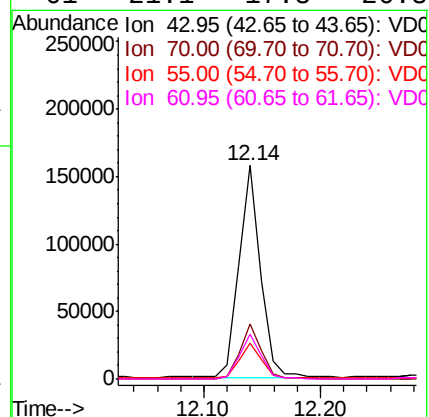
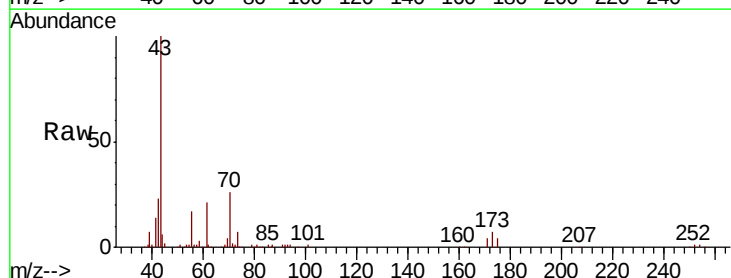
Ion Ratio Lower Upper

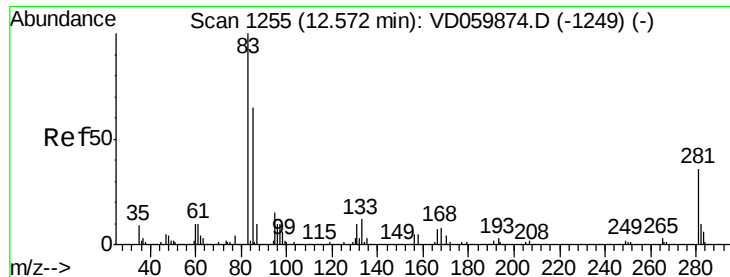
43 100

70 26.0 21.4 32.2

55 16.8 14.1 21.1

61 21.1 17.8 26.8





#75

1,1,2,2-Tetrachloroethane

Concen: 10.211 ug/l

RT: 12.57 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

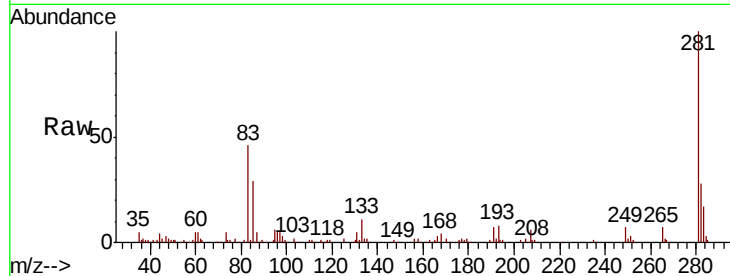
Tgt Ion: 83 Resp: 102602

Ion Ratio Lower Upper

83 100

131 10.2 4.8 14.4

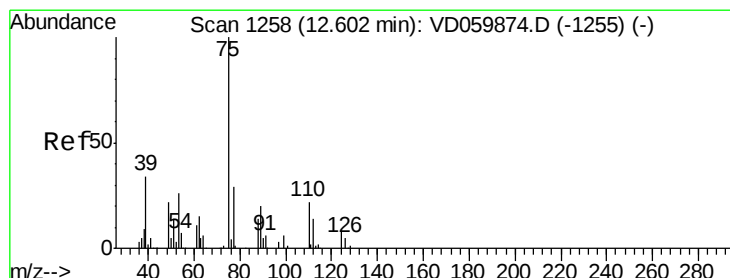
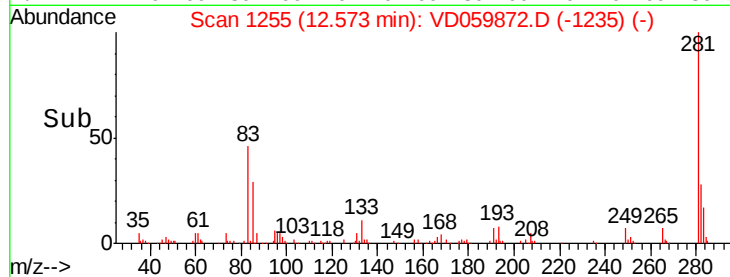
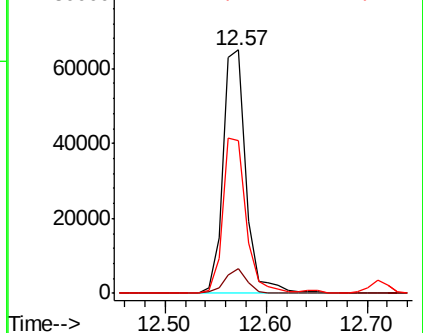
85 62.7 32.6 97.8



Abundance Ion 82.95 (82.65 to 83.65): VDC

Ion 130.90 (130.60 to 131.60): VDC

Ion 84.95 (84.65 to 85.65): VDC



#76

1,2,3-Trichloropropane

Concen: 10.218 ug/l

RT: 12.60 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VD059872.D

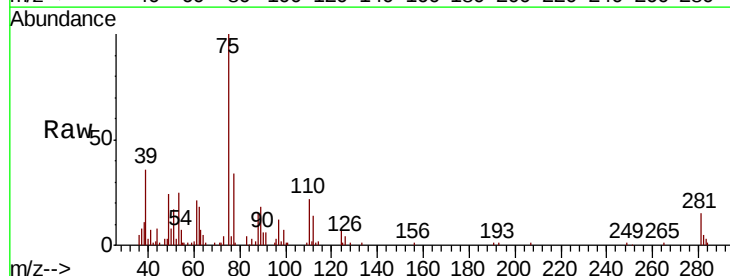
Acq: 22 Aug 2018 13:12

Tgt Ion: 75 Resp: 110554

Ion Ratio Lower Upper

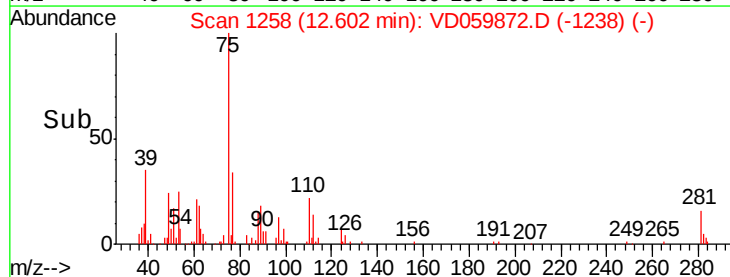
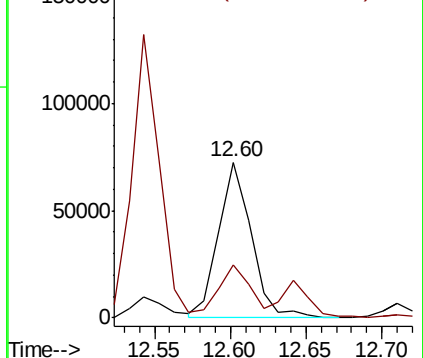
75 100

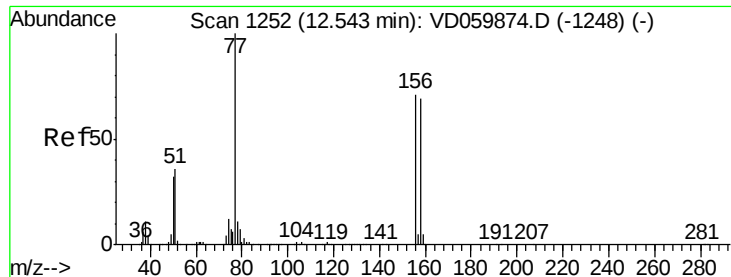
77 33.8 16.4 49.2



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC





#77

Bromobenzene

Concen: 10.112 ug/l

RT: 12.54 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

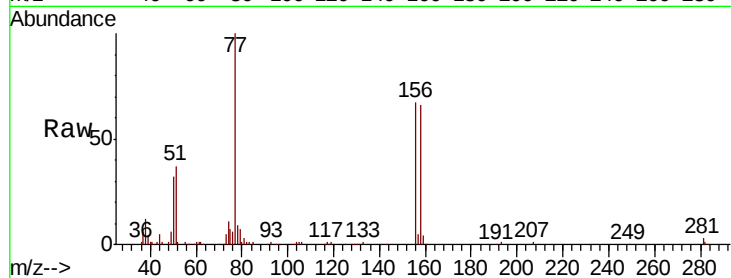
Tgt Ion: 156 Resp: 122741

Ion Ratio Lower Upper

156 100

77 148.7 70.2 210.4

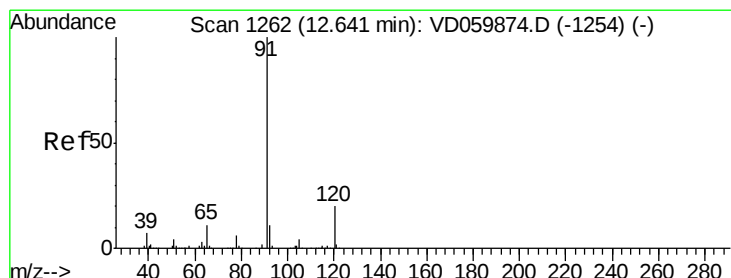
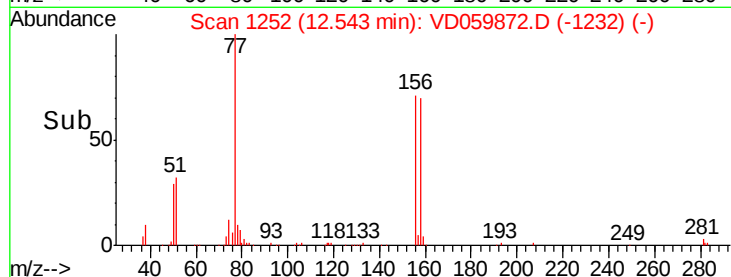
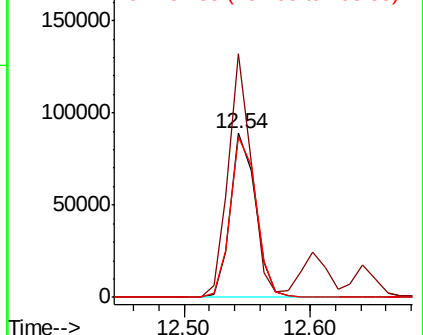
158 97.8 48.4 145.2



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 11.004 ug/l

RT: 12.64 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VD059872.D

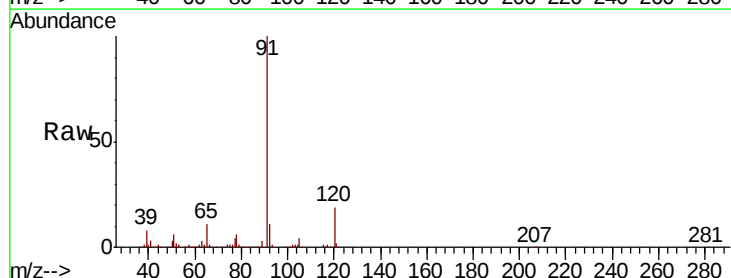
Acq: 22 Aug 2018 13:12

Tgt Ion: 91 Resp: 597749

Ion Ratio Lower Upper

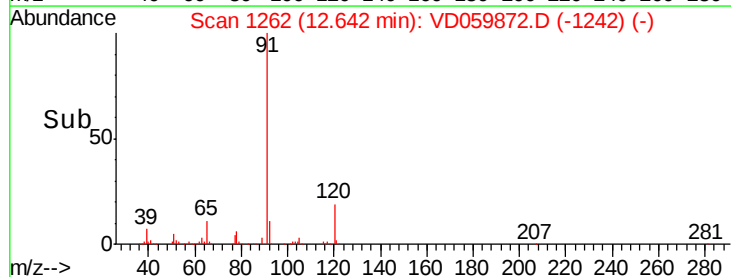
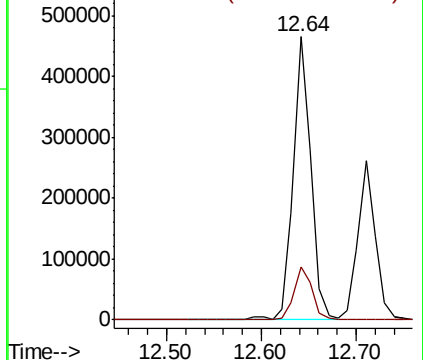
91 100

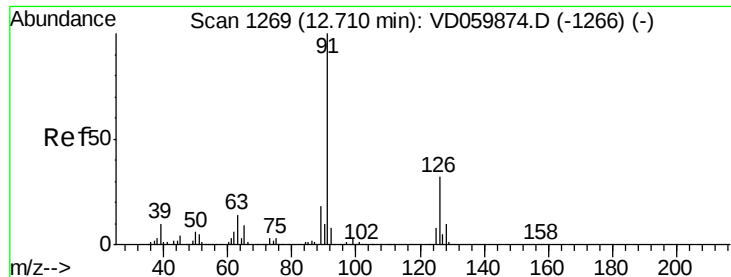
120 18.7 10.1 30.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V





#79

2-Chlorotoluene

Concen: 10.677 ug/l

RT: 12.71 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

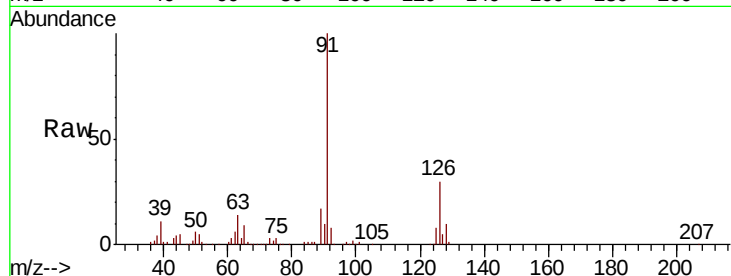
VSTDIC010

Tgt Ion: 91 Resp: 330444

Ion Ratio Lower Upper

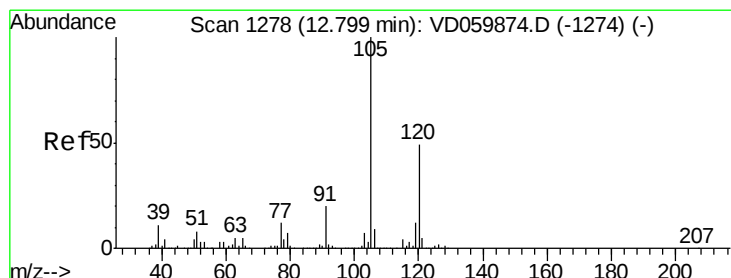
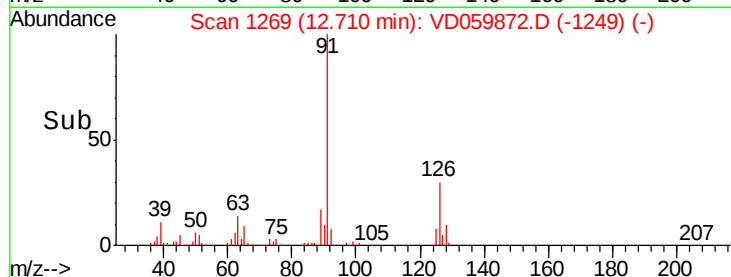
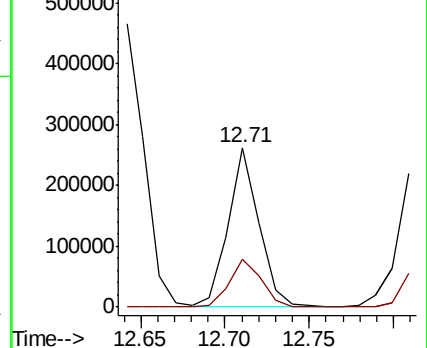
91 100

126 30.4 16.1 48.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.95 (125.65 to 126.65): V



#80

1,3,5-Trimethylbenzene

Concen: 11.162 ug/l

RT: 12.80 min Scan# 1278

Delta R.T. 0.00 min

Lab File: VD059872.D

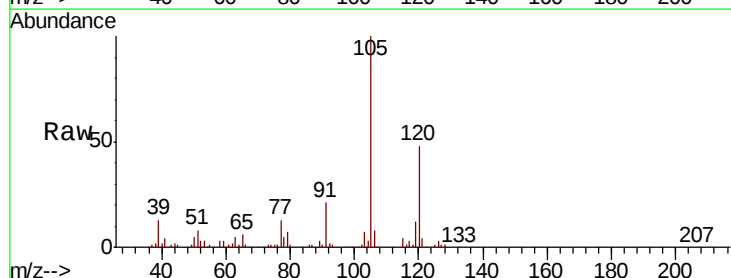
Acq: 22 Aug 2018 13:12

Tgt Ion: 105 Resp: 379232

Ion Ratio Lower Upper

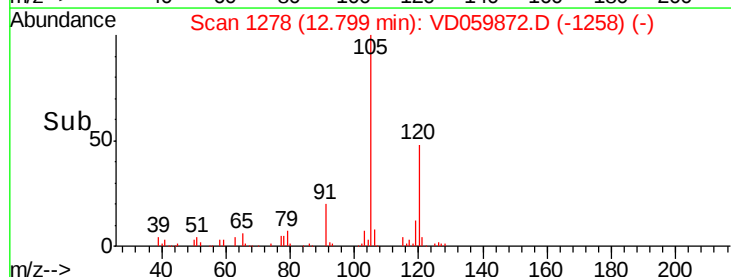
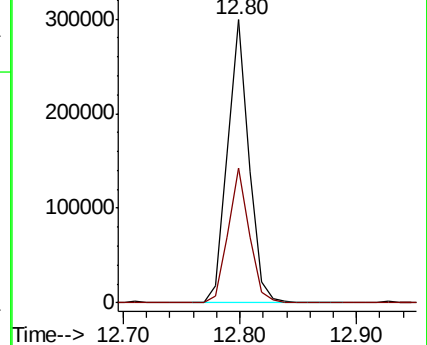
105 100

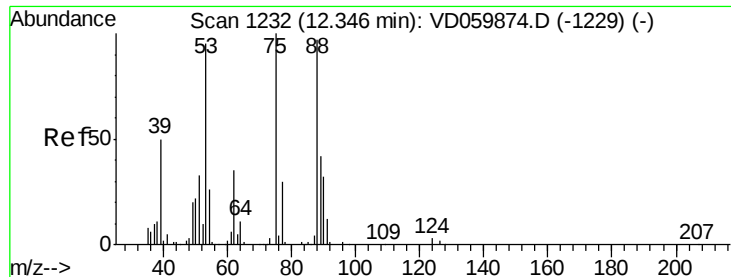
120 47.8 24.5 73.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V





#81

trans-1,4-Dichloro-2-butene

Concen: 10.178 ug/l

RT: 12.35 min Scan# 1232

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

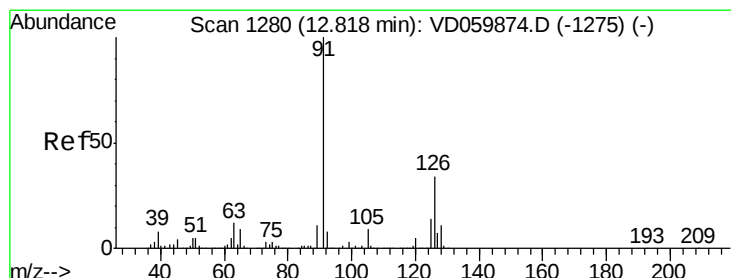
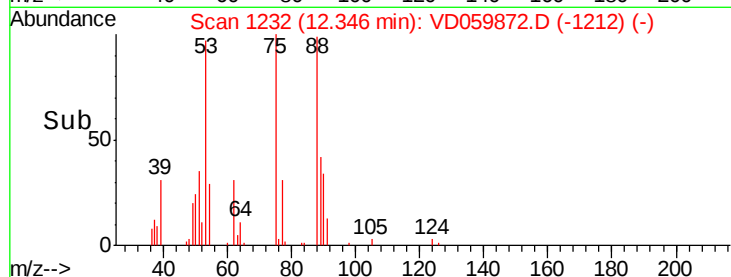
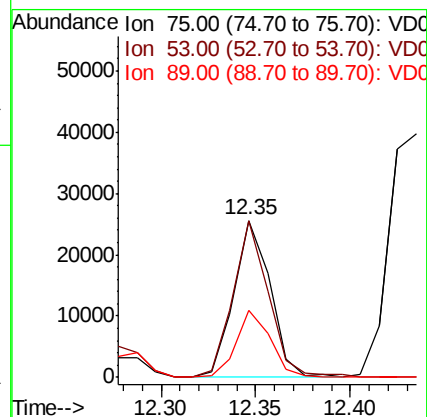
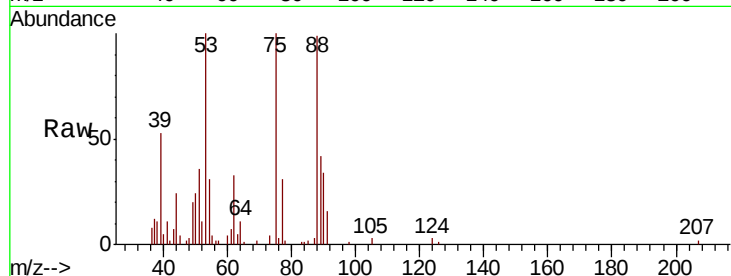
Tgt Ion: 75 Resp: 33908

Ion Ratio Lower Upper

75 100

53 99.6 75.8 113.6

89 42.5 33.6 50.4



#82

4-Chlorotoluene

Concen: 11.177 ug/l

RT: 12.82 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VD059872.D

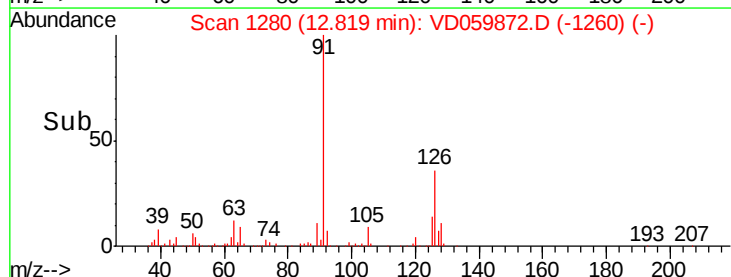
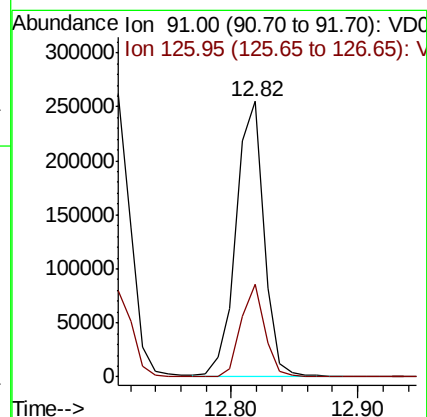
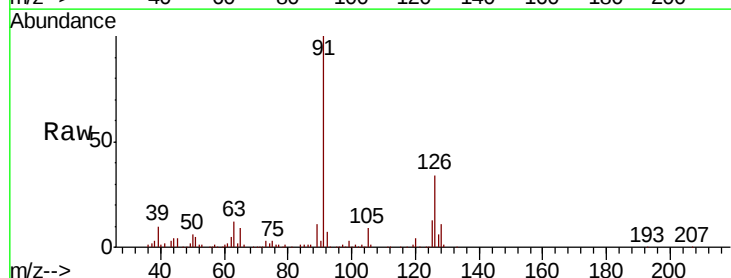
Acq: 22 Aug 2018 13:12

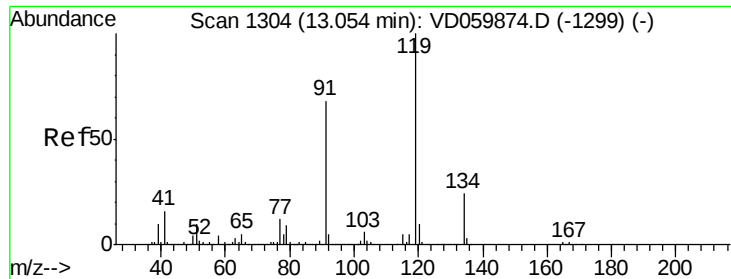
Tgt Ion: 91 Resp: 386198

Ion Ratio Lower Upper

91 100

126 33.8 17.1 51.2

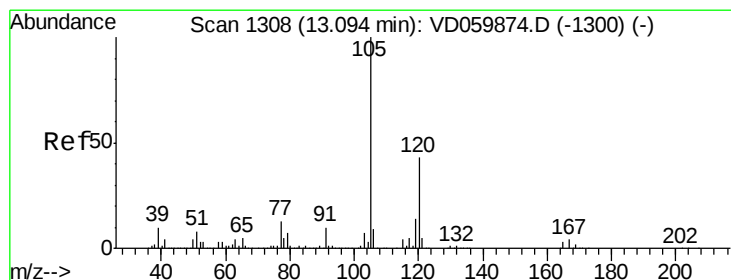
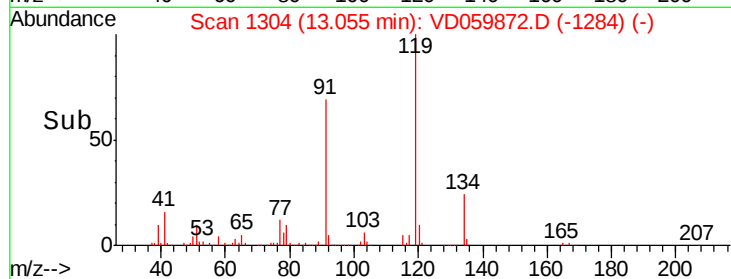
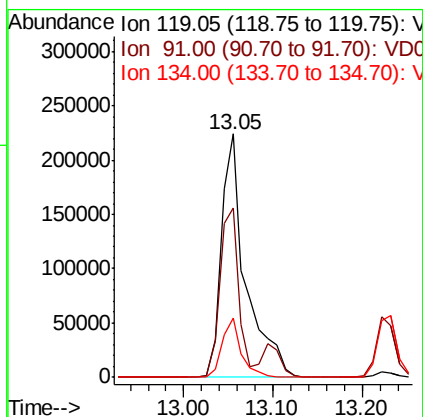
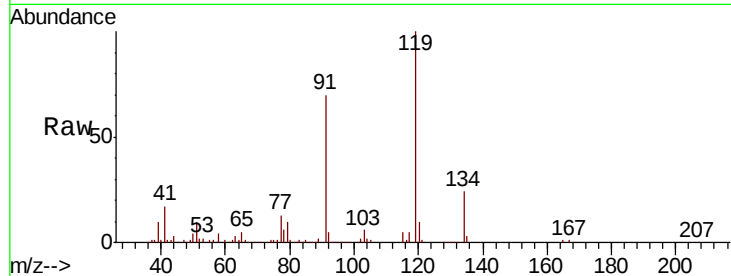




#83
 tert-Butylbenzene
 Concen: 10.844 ug/l
 RT: 13.05 min Scan# 1304
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

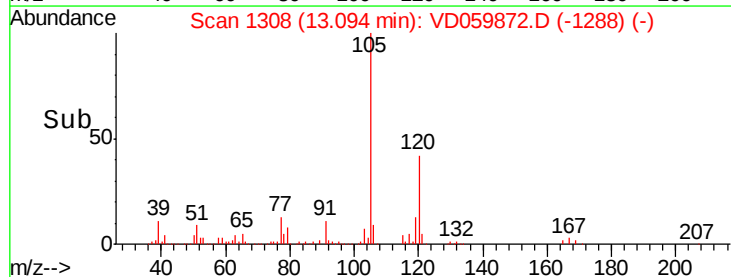
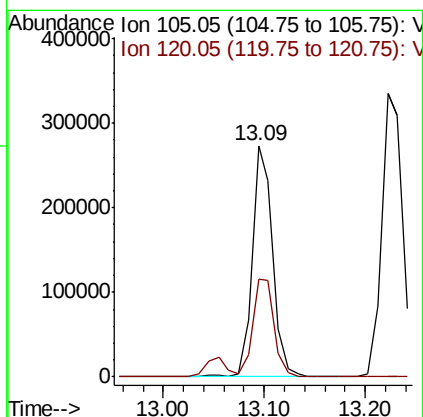
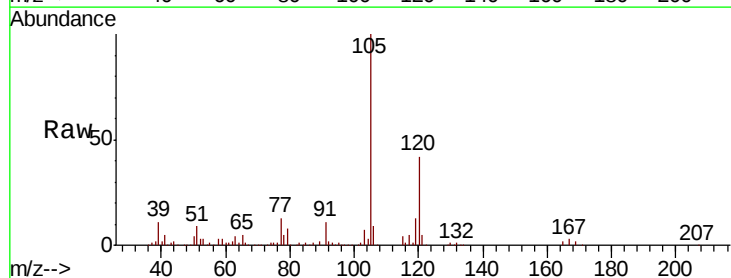
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

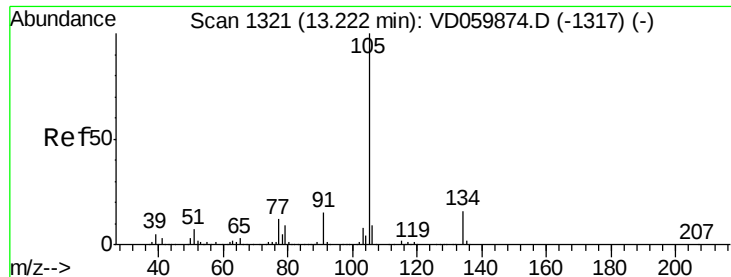
Tgt Ion:119 Resp: 428278
 Ion Ratio Lower Upper
 119 100
 91 69.6 34.3 102.9
 134 24.2 11.9 35.9



#84
 1,2,4-Trimethylbenzene
 Concen: 10.775 ug/l
 RT: 13.09 min Scan# 1308
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion:105 Resp: 385681
 Ion Ratio Lower Upper
 105 100
 120 42.3 21.8 65.3

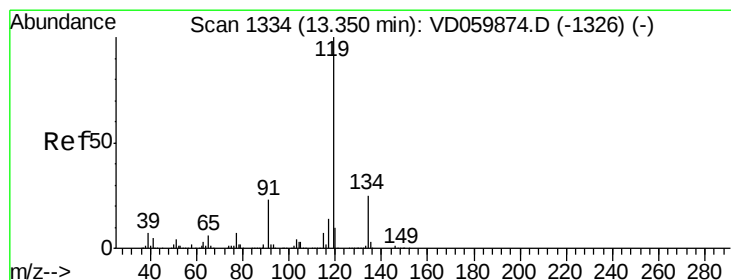
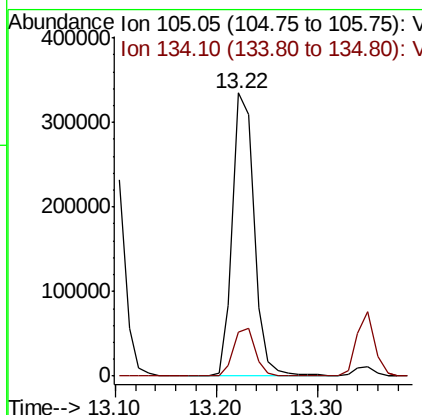
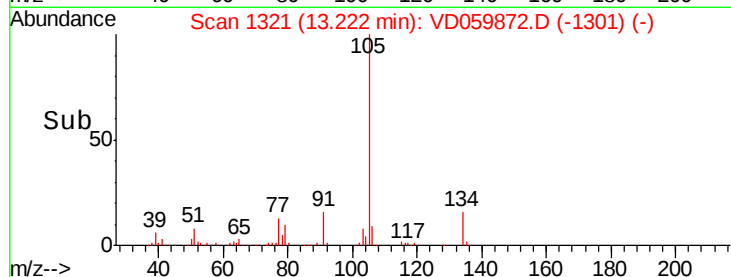
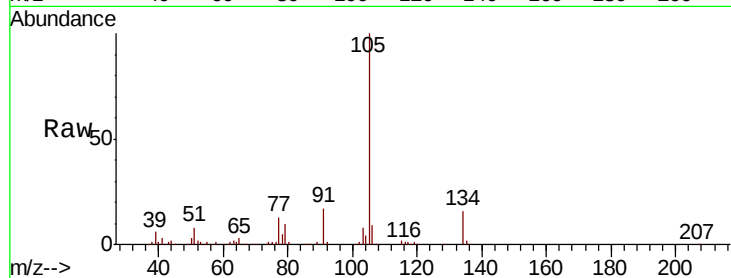




#85
 sec-Butylbenzene
 Concen: 10.736 ug/l
 RT: 13.22 min Scan# 1321
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

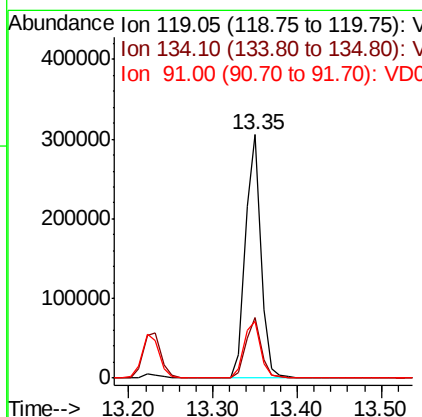
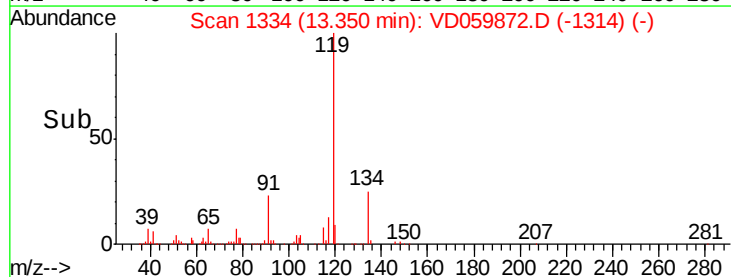
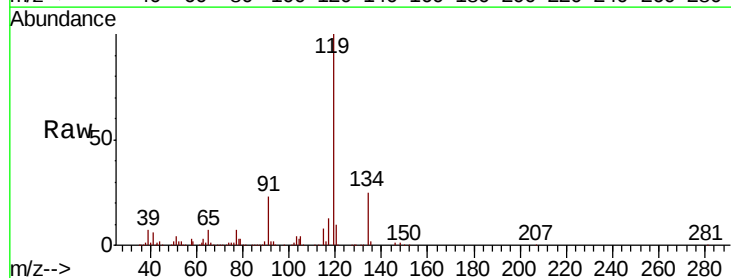
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

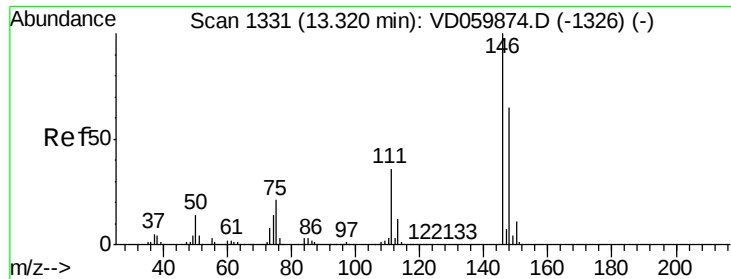
Tgt Ion:105 Resp: 496727
 Ion Ratio Lower Upper
 105 100
 134 15.8 8.2 24.4



#86
 p-Isopropyltoluene
 Concen: 10.456 ug/l
 RT: 13.35 min Scan# 1334
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion:119 Resp: 391359
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.7 38.1
 91 23.4 11.7 35.0

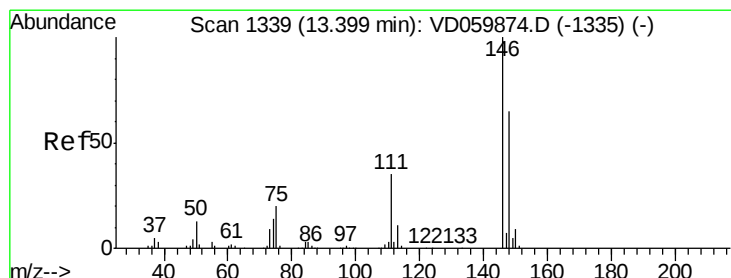
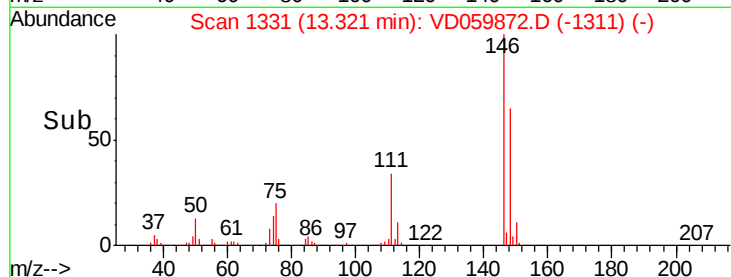
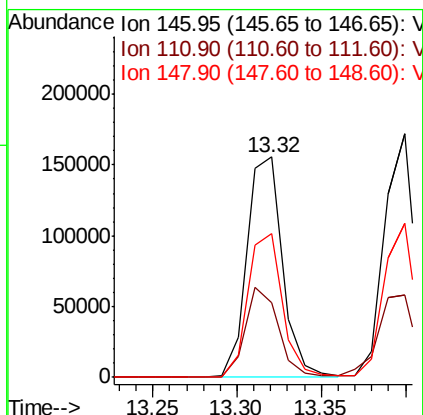
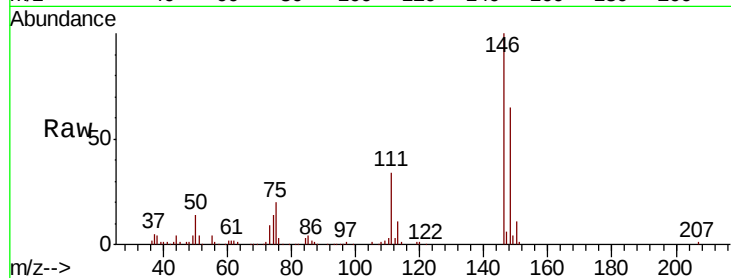




#87
 1,3-Dichlorobenzene
 Concen: 10.558 ug/l
 RT: 13.32 min Scan# 1331
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

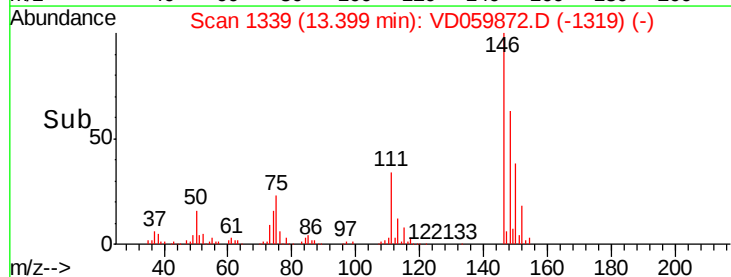
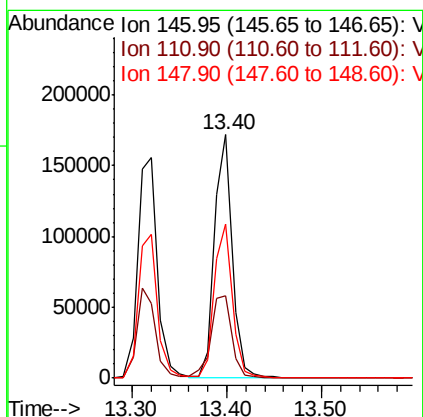
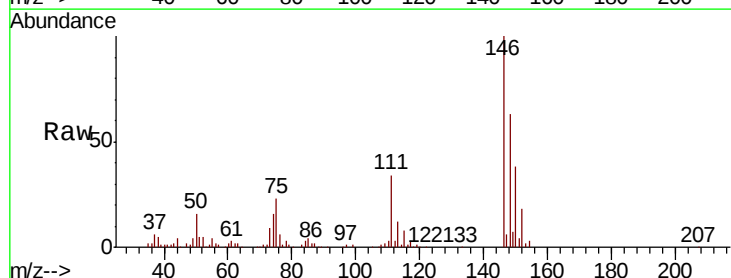
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

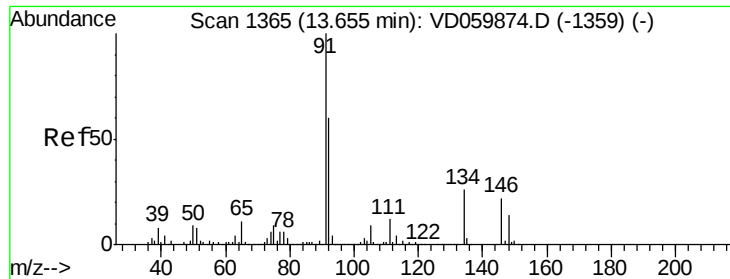
Tgt Ion:146 Resp: 227449
 Ion Ratio Lower Upper
 146 100
 111 33.8 17.9 53.7
 148 65.2 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 10.540 ug/l
 RT: 13.40 min Scan# 1339
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion:146 Resp: 226465
 Ion Ratio Lower Upper
 146 100
 111 33.6 17.5 52.6
 148 63.4 32.5 97.5





#89

n-Butylbenzene

Concen: 11.792 ug/l

RT: 13.66 min Scan# 1365

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

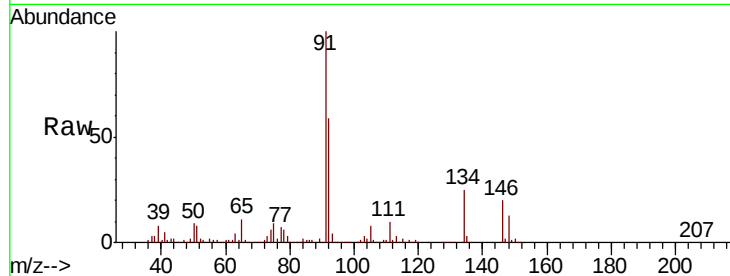
Tgt Ion: 91 Resp: 433618

Ion Ratio Lower Upper

91 100

92 59.5 30.0 90.1

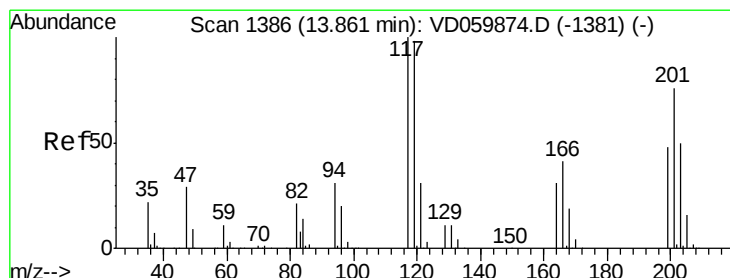
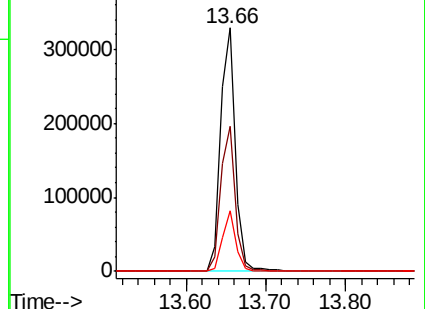
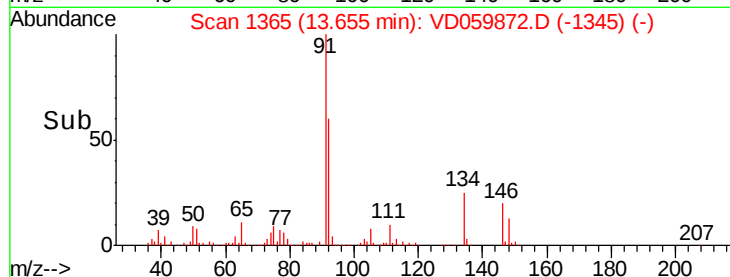
134 24.9 12.8 38.4



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: 10.734 ug/l

RT: 13.86 min Scan# 1386

Delta R.T. 0.00 min

Lab File: VD059872.D

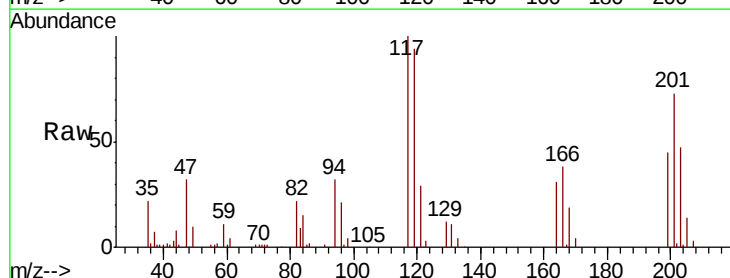
Acq: 22 Aug 2018 13:12

Tgt Ion: 117 Resp: 109406

Ion Ratio Lower Upper

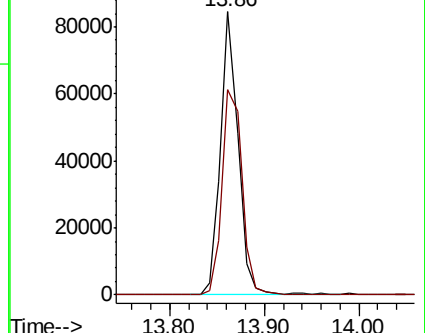
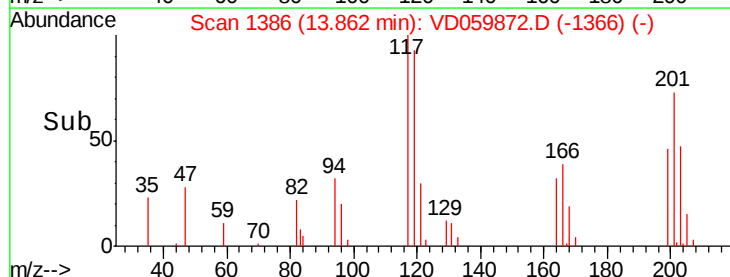
117 100

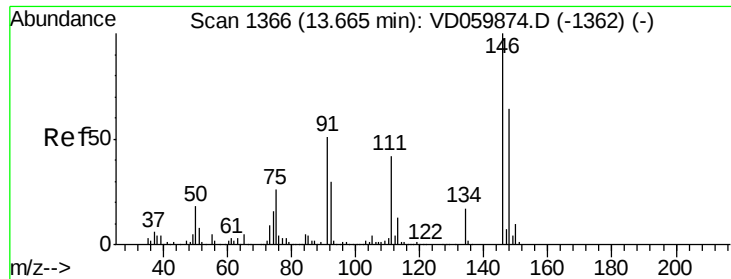
201 72.6 38.1 114.5



Abundance Ion 116.85 (116.55 to 117.55): VDC

Ion 200.75 (200.45 to 201.45): VDC





#91

1,2-Dichlorobenzene

Concen: 11.347 ug/l

RT: 13.66 min Scan# 1366

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

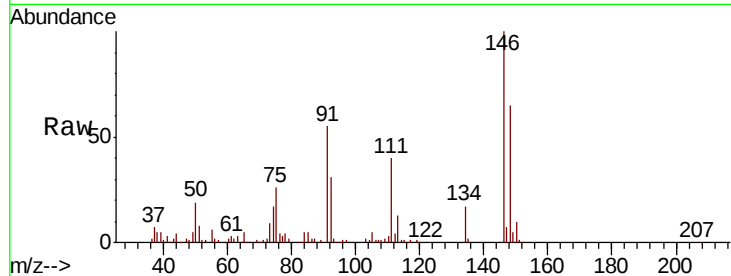
Tgt Ion:146 Resp: 203769

Ion Ratio Lower Upper

146 100

111 40.2 21.1 63.1

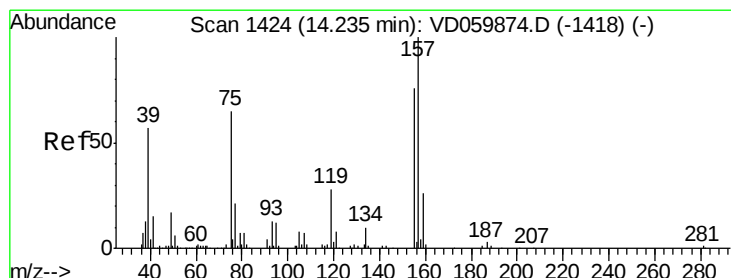
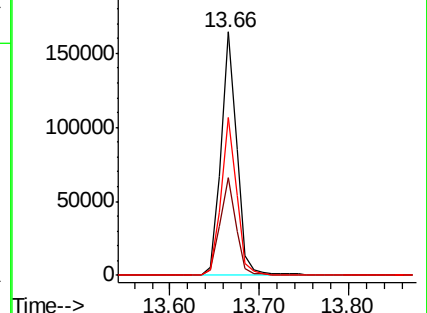
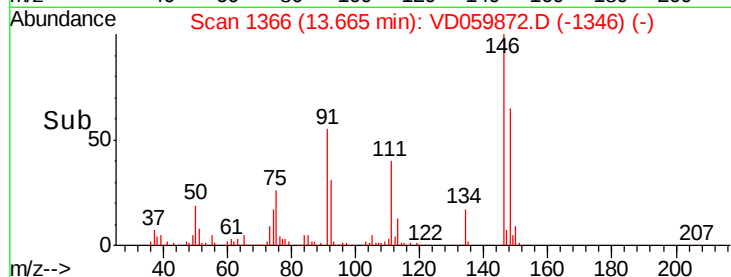
148 64.8 32.2 96.6



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: 9.573 ug/l

RT: 14.24 min Scan# 1424

Delta R.T. 0.00 min

Lab File: VD059872.D

Acq: 22 Aug 2018 13:12

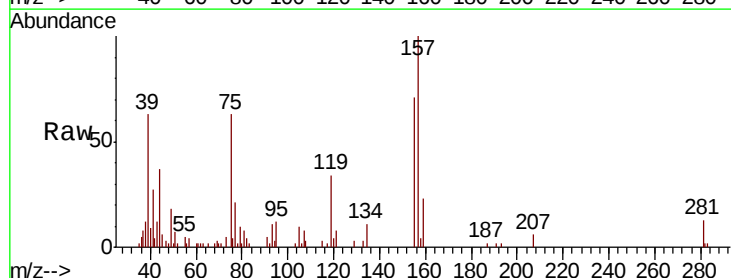
Tgt Ion: 75 Resp: 15175

Ion Ratio Lower Upper

75 100

155 114.1 58.2 174.6

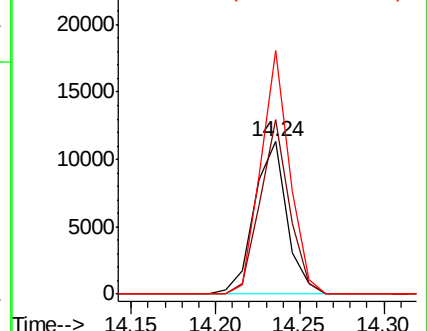
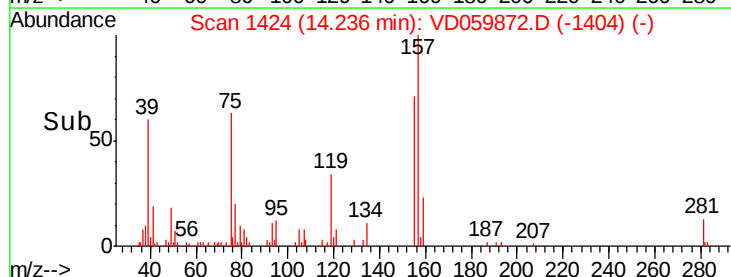
157 159.6 76.8 230.4

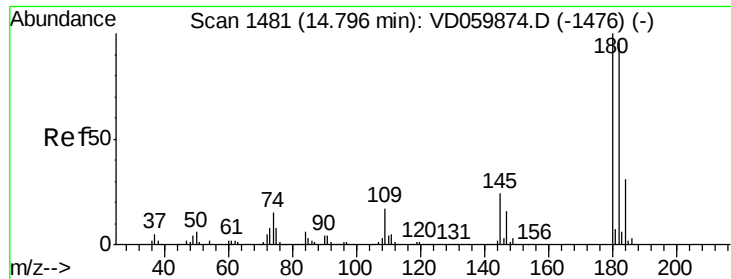


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 154.90 (154.60 to 155.60): V

Ion 156.85 (156.55 to 157.55): V

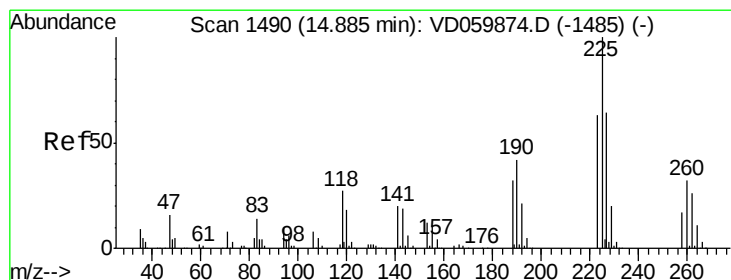
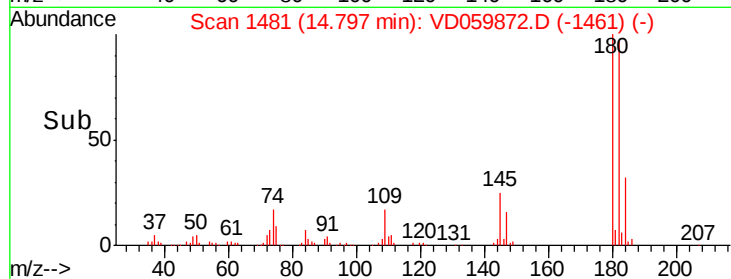
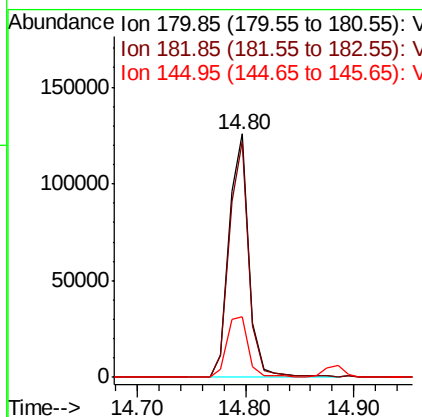
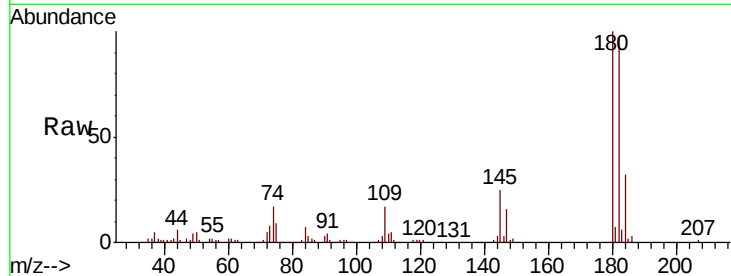




#93
 1,2,4-Trichlorobenzene
 Concen: 10.486 ug/l
 RT: 14.80 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

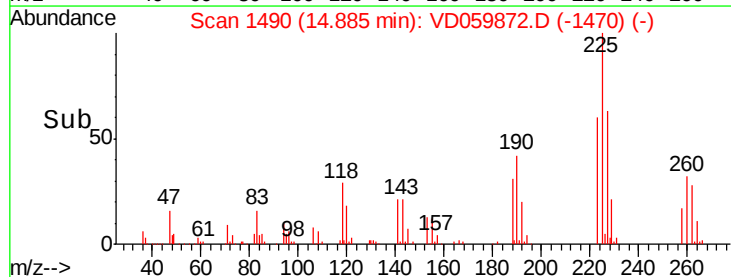
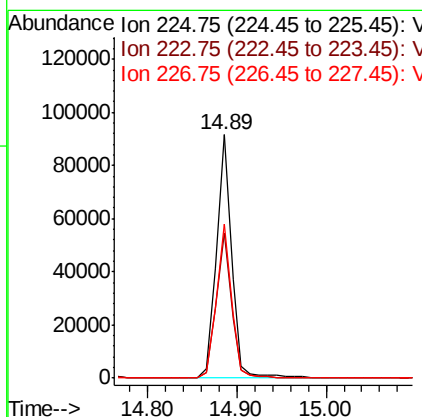
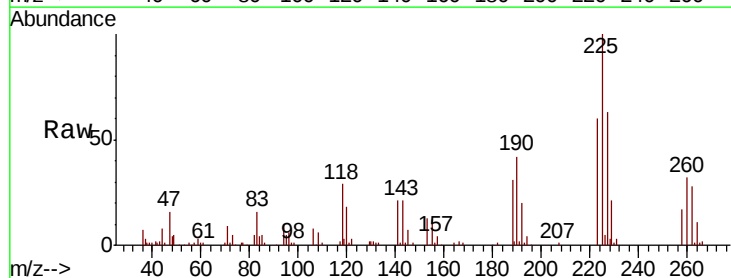
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

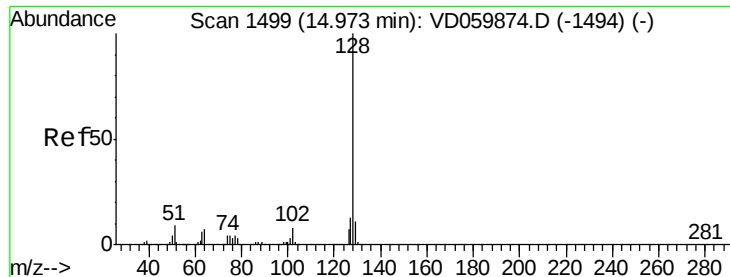
Tgt Ion:180 Resp: 161679
 Ion Ratio Lower Upper
 180 100
 182 96.7 47.9 143.7
 145 24.8 12.2 36.4



#94
 Hexachlorobutadiene
 Concen: 10.672 ug/l
 RT: 14.89 min Scan# 1490
 Delta R.T. 0.00 min
 Lab File: VD059872.D
 Acq: 22 Aug 2018 13:12

Tgt Ion:225 Resp: 109154
 Ion Ratio Lower Upper
 225 100
 223 59.5 31.6 94.8
 227 63.4 32.0 96.0

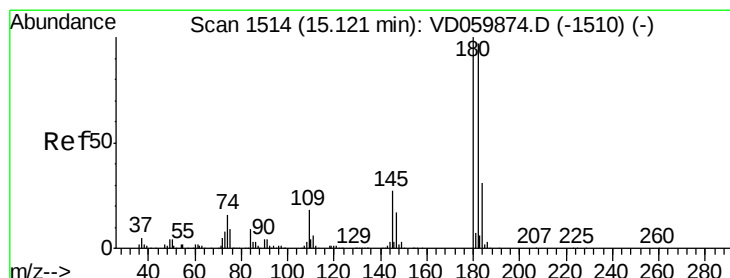
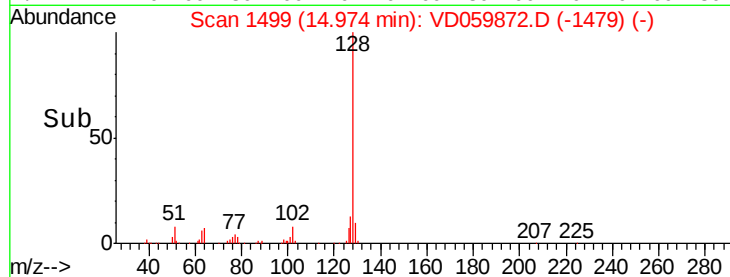
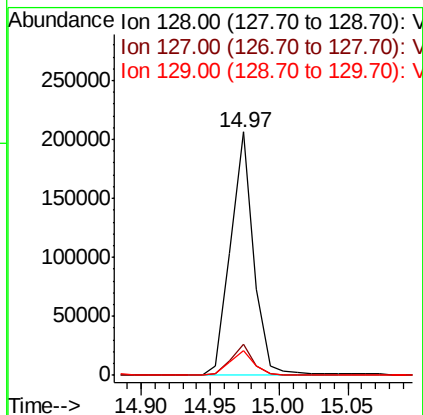
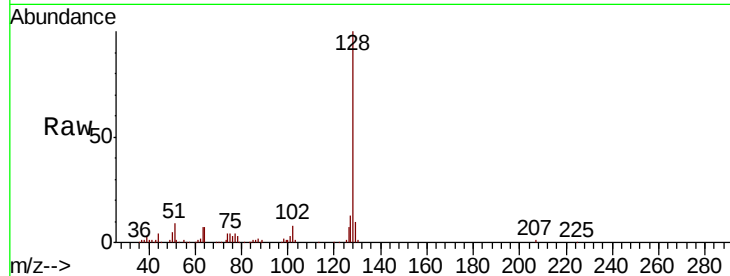




#95
Naphthalene
Concen: 9.868 ug/l
RT: 14.97 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 241469
Ion Ratio Lower Upper
128 100
127 12.6 10.0 15.0
129 10.0 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 10.285 ug/l
RT: 15.12 min Scan# 1514
Delta R.T. 0.00 min
Lab File: VD059872.D
Acq: 22 Aug 2018 13:12

Tgt Ion:180 Resp: 139066
Ion Ratio Lower Upper
180 100
182 94.5 48.6 145.8
145 25.6 13.6 40.8

