

Data File : VD059851.D
Acq On : 21 Aug 2018 13:04
Operator : JC/SY
Sample : VD0821SBS01
Misc : 5.00g/5ml/MSVOA_D/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

Quant Time: Aug 22 01:08:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	1114975	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.65	114	1538163	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.66	117	1266007	50.00	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	12.89	152	613147	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.97	65	439228	49.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.44%	
35) Dibromofluoromethane	5.51	113	581794	51.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.28%	
50) Toluene-d8	8.67	98	1549225	50.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.00%	
62) 4-Bromofluorobenzene	11.90	95	603907	51.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.60%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.31	85	170626	17.769	ug/l	99
3) Chloromethane	1.46	50	137848	16.944	ug/l	97
4) Vinyl Chloride	1.53	62	112171	17.205	ug/l	97
5) Bromomethane	1.76	94	10777	12.579	ug/l	97
6) Chloroethane	1.85	64	25649	17.388	ug/l	93
7) Trichlorofluoromethane	2.05	101	120439	18.349	ug/l	99
8) Diethyl Ether	2.31	74	28019	19.098	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	2.52	101	87923	21.063	ug/l	98
10) Methyl Iodide	2.65	142	78433	16.787	ug/l	90
11) Tert butyl alcohol	3.23	59	28081	85.129	ug/l	98
12) 1,1-Dichloroethene	2.52	96	64858	18.998	ug/l	80
13) Acrolein	2.44	56	24154	72.264	ug/l	98
14) Allyl chloride	2.89	41	152511	17.471	ug/l	98
15) Acrylonitrile	3.33	53	142388	93.261	ug/l	99
16) Acetone	2.57	43	132804	88.795	ug/l	97
17) Carbon Disulfide	2.72	76	173438	15.245	ug/l	99
18) Methyl Acetate	2.90	43	53836	16.355	ug/l	100
19) Methyl tert-butyl Ether	3.36	73	364231	18.878	ug/l	98
20) Methylene Chloride	3.03	84	78816	15.027	ug/l	94
21) trans-1,2-Dichloroethene	3.34	96	165327	17.167	ug/l	98
22) Diisopropyl ether	4.02	45	847586	19.008	ug/l	99
23) Vinyl Acetate	3.97	43	2374458	99.126	ug/l	100
24) 1,1-Dichloroethane	3.92	63	368181	18.776	ug/l	100
25) 2-Butanone	4.79	43	396037	87.604	ug/l	96
26) 2,2-Dichloropropane	4.75	77	301556	19.600	ug/l	97
27) cis-1,2-Dichloroethene	4.76	96	231005	19.793	ug/l	93
28) Bromochloromethane	5.09	49	183120	18.429	ug/l	95
29) Tetrahydrofuran	5.14	42	221346	96.700	ug/l	98
30) Chloroform	5.28	83	378638	19.566	ug/l	99
31) Cyclohexane	5.55	56	296710	15.817	ug/l	95
32) 1,1,1-Trichloroethane	5.47	97	309634	18.987	ug/l	98
36) 1,1-Dichloropropene	5.70	75	261853	20.073	ug/l	98
37) Ethyl Acetate	4.88	43	195503	20.217	ug/l	98
38) Carbon Tetrachloride	5.67	117	262091	20.130	ug/l	94

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Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	267260	19.154	ug/l	97
40) Benzene	5.97	78	695949	20.592	ug/l	100
41) Methacrylonitrile	5.08	41	94506	19.077	ug/l	98
42) 1,2-Dichloroethane	6.09	62	216414	19.665	ug/l	99
43) Isopropyl Acetate	7.57	43	252023	18.843	ug/l	100
44) Trichloroethene	6.94	130	206322	20.526	ug/l	93
45) 1,2-Dichloropropane	7.31	63	194933	19.642	ug/l	96
46) Dibromomethane	7.43	93	127783	20.680	ug/l	95
47) Bromodichloromethane	7.70	83	281558	20.638	ug/l	98
48) Methyl methacrylate	7.47	41	149225	20.229	ug/l	98
49) 1,4-Dioxane	7.45	88	27406	439.015	ug/l	96
51) 4-Methyl-2-Pentanone	8.56	43	832615	93.113	ug/l	96
52) Toluene	8.76	92	438100	20.500	ug/l	99
53) t-1,3-Dichloropropene	9.15	75	250330	20.143	ug/l	99
54) cis-1,3-Dichloropropene	8.32	75	295166	19.832	ug/l	99
55) 1,1,2-Trichloroethane	9.41	97	160204	20.766	ug/l	95
56) Ethyl methacrylate	9.28	69	178849	20.105	ug/l	96
57) 1,3-Dichloropropane	9.63	76	235721	20.898	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.15	63	481165	92.808	ug/l	97
59) 2-Hexanone	9.75	43	619056	93.661	ug/l	100
60) Dibromochloromethane	9.93	129	202097	20.344	ug/l	98
61) 1,2-Dibromoethane	10.05	107	159726	19.376	ug/l	97
64) Tetrachloroethene	9.47	164	187884	20.269	ug/l	97
65) Chlorobenzene	10.69	112	503520	20.622	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.82	131	181488	21.778	ug/l	98
67) Ethyl Benzene	10.83	91	855292	19.540	ug/l	98
68) m/p-Xylenes	10.99	106	602622	37.476	ug/l	97
69) o-Xylene	11.38	106	304512	21.523	ug/l	99
70) Styrene	11.41	104	527920	21.429	ug/l	96
71) Bromoform	11.58	173	144957	19.357	ug/l	99
73) Isopropylbenzene	11.75	105	829383	19.849	ug/l	98
74) N-amyl acetate	11.62	43	350412	18.728	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	190223	19.314	ug/l	99
76) 1,2,3-Trichloropropane	12.09	75	187213	18.456	ug/l	97
77) Bromobenzene	12.02	156	240564	20.713	ug/l	85
78) n-propylbenzene	12.13	91	1099765	21.190	ug/l	96
79) 2-Chlorotoluene	12.19	91	573286	19.187	ug/l	96
80) 1,3,5-Trimethylbenzene	12.30	105	659000	19.158	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	57558	18.151	ug/l	88
82) 4-Chlorotoluene	12.31	91	658847	19.385	ug/l	89
83) tert-Butylbenzene	12.55	119	745685	22.623	ug/l	95
84) 1,2,4-Trimethylbenzene	12.60	105	678403	19.731	ug/l	99
85) sec-Butylbenzene	12.74	105	877384	20.070	ug/l	96
86) p-Isopropyltoluene	12.87	119	687679	20.053	ug/l	97
87) 1,3-Dichlorobenzene	12.82	146	412240	21.084	ug/l	99
88) 1,4-Dichlorobenzene	12.91	146	408620	21.084	ug/l	100
89) n-Butylbenzene	13.17	91	705383	18.775	ug/l	98
90) Hexachloroethane	13.38	117	186799	19.092	ug/l	89
91) 1,2-Dichlorobenzene	13.17	146	345816	20.244	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	13.75	75	24990	17.045	ug/l	84

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

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Sample : VD0821SBSD01
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ClientSampleId :
VD0821SBSD01

Quant Time: Aug 22 01:08:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	292525	20.838	ug/l	98
94) Hexachlorobutadiene	14.41	225	198374	21.005	ug/l	95
95) Naphthalene	14.49	128	442340	19.288	ug/l	100
96) 1,2,3-Trichlorobenzene	14.64	180	251765	20.464	ug/l	98

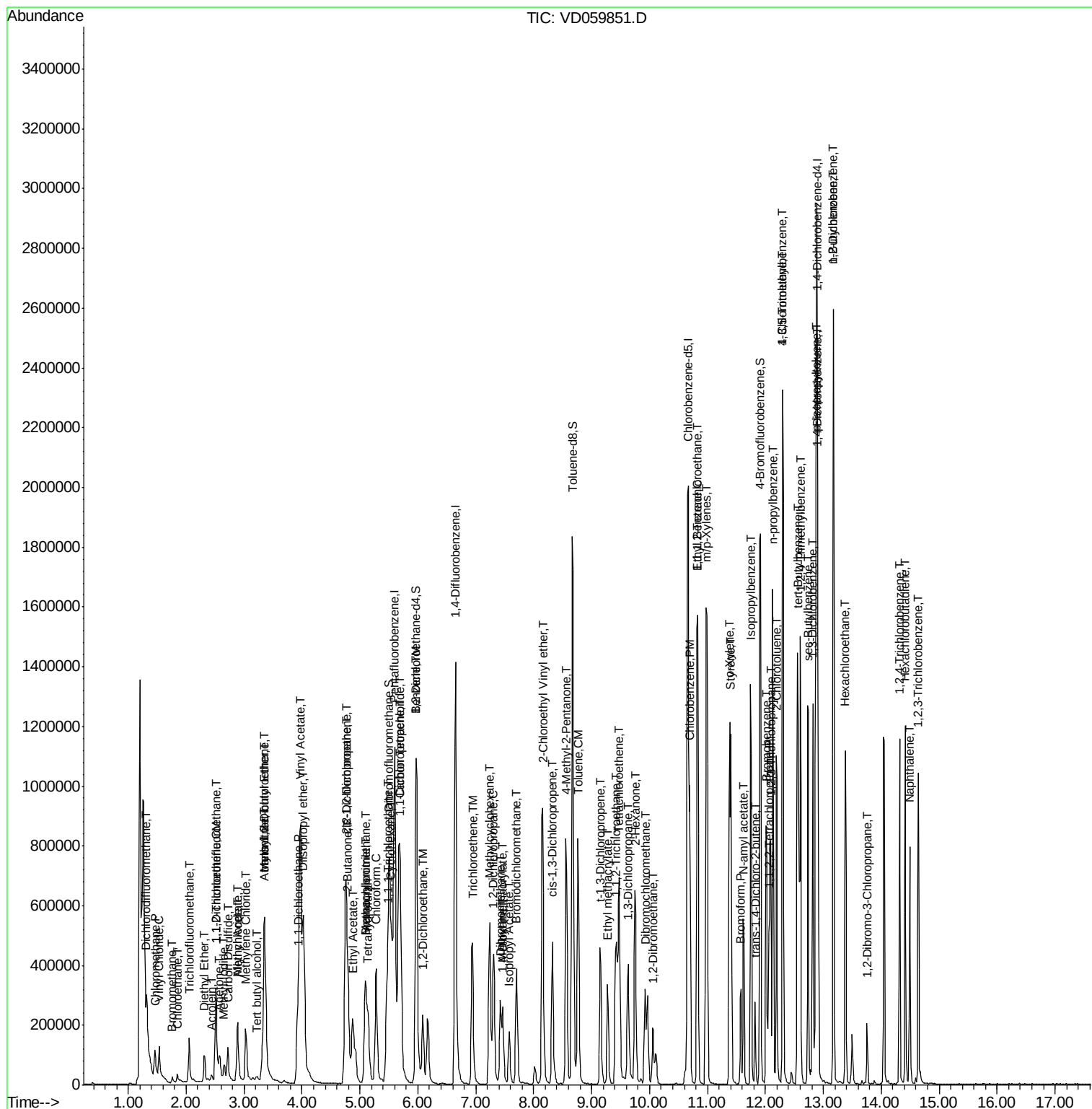
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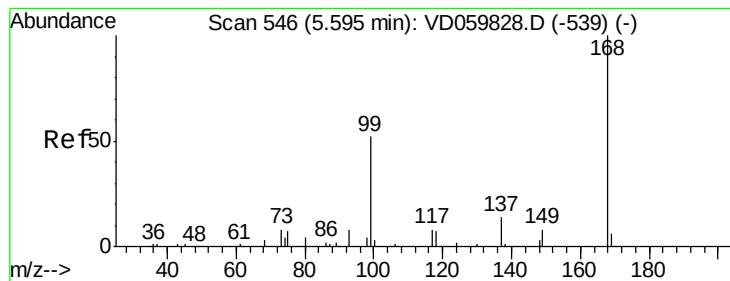
Data File : VD059851.D

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Acq On       : 21 Aug 2018   13:04
Operator     : JC/SY
Sample       : VD0821SBD01
Misc         : 5.00g/5ml/MSV0A_D/SOIL
ALS Vial     : 5      Sample Multiplier: 1
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Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Quant Time: Aug 22 01:08:56 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 21 04:40:12 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

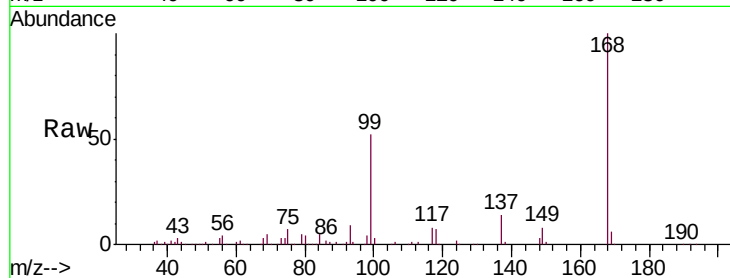
VD0821SBSD01

Tgt Ion:168 Resp: 1114975

Ion Ratio Lower Upper

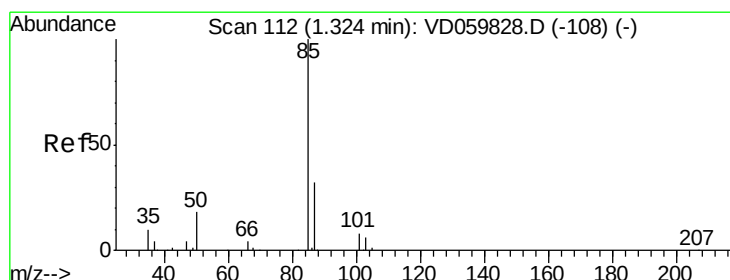
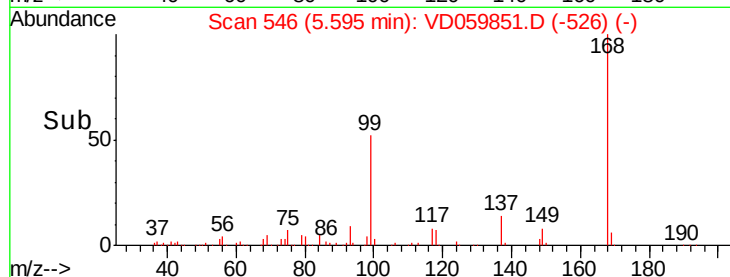
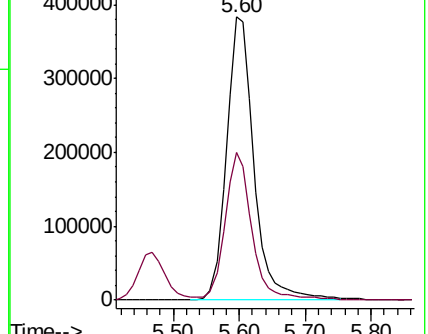
168 100

99 52.1 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 17.769 ug/l

RT: 1.31 min Scan# 111

Delta R.T. -0.01 min

Lab File: VD059851.D

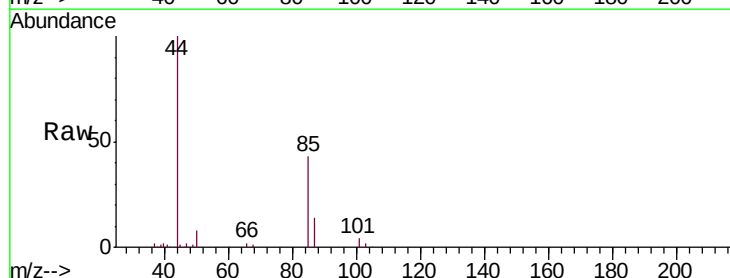
Acq: 21 Aug 2018 13:04

Tgt Ion: 85 Resp: 170626

Ion Ratio Lower Upper

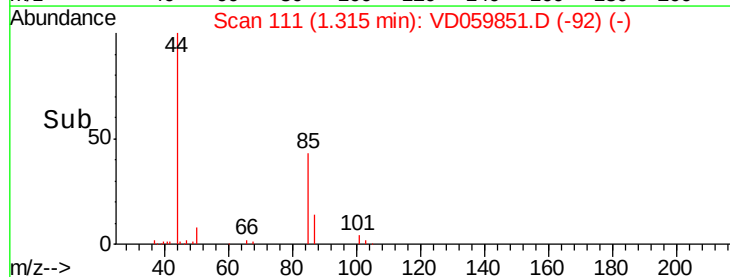
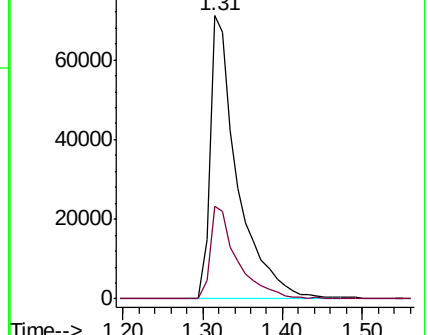
85 100

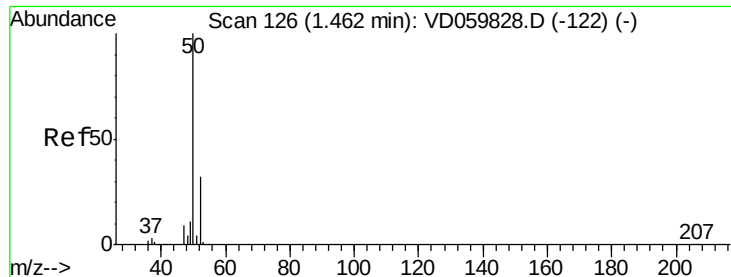
87 32.9 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 16.944 ug/l

RT: 1.46 min Scan# 126

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

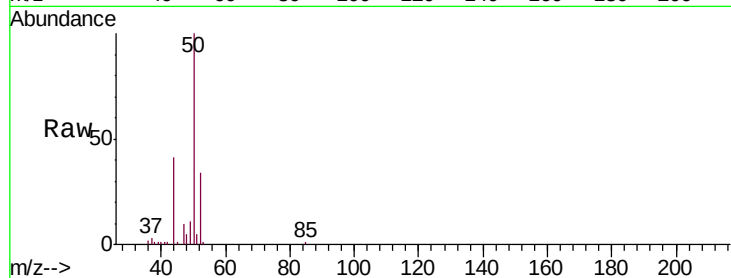
VD0821SBS01

Tgt Ion: 50 Resp: 137848

Ion Ratio Lower Upper

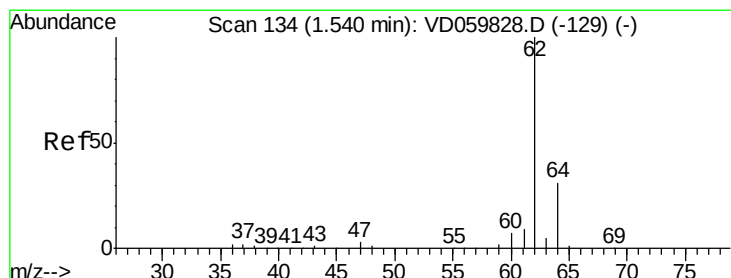
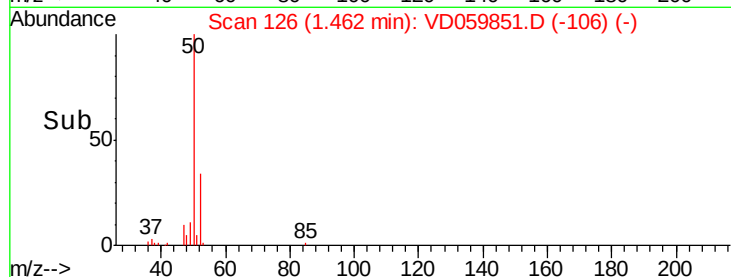
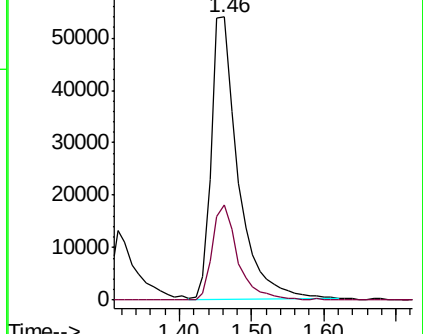
50 100

52 33.6 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 17.205 ug/l

RT: 1.53 min Scan# 133

Delta R.T. -0.01 min

Lab File: VD059851.D

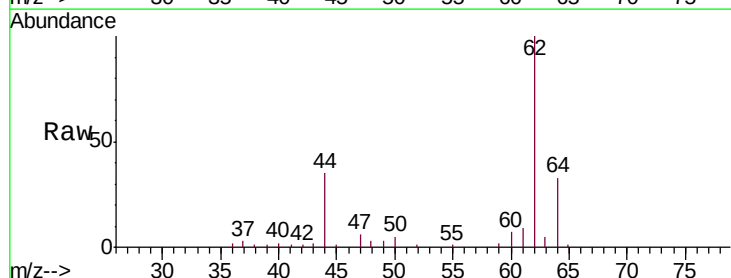
Acq: 21 Aug 2018 13:04

Tgt Ion: 62 Resp: 112171

Ion Ratio Lower Upper

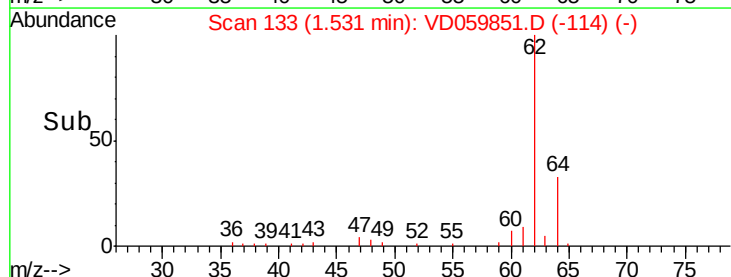
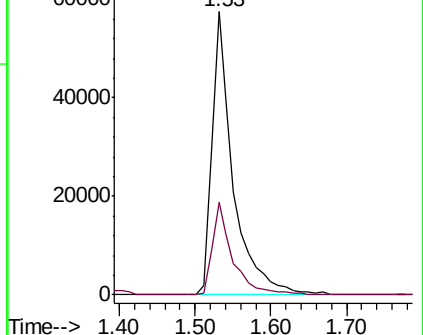
62 100

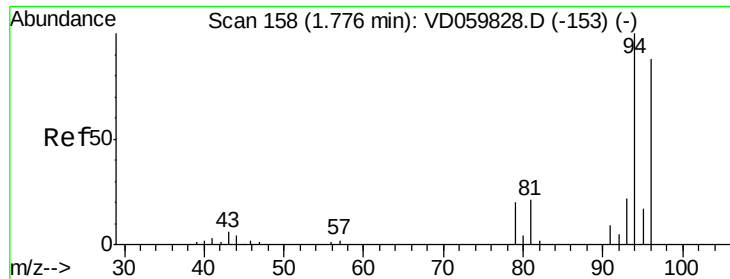
64 32.8 25.0 37.6



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 12.579 ug/l

RT: 1.76 min Scan# 156

Delta R.T. -0.02 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

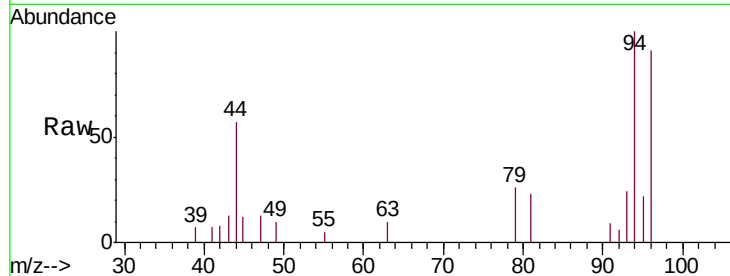
VD0821SBSD01

Tgt Ion: 94 Resp: 10777

Ion Ratio Lower Upper

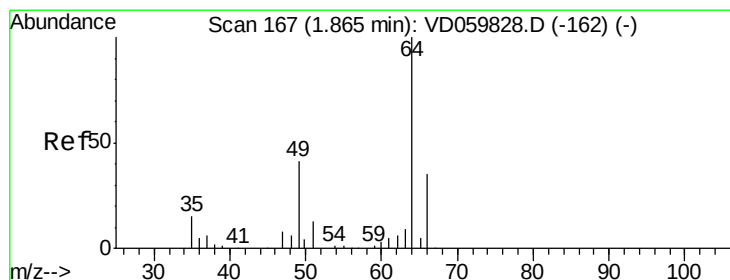
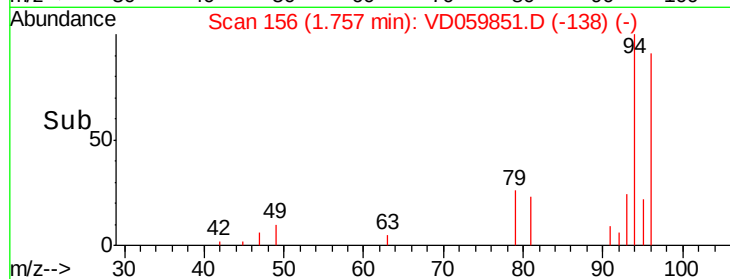
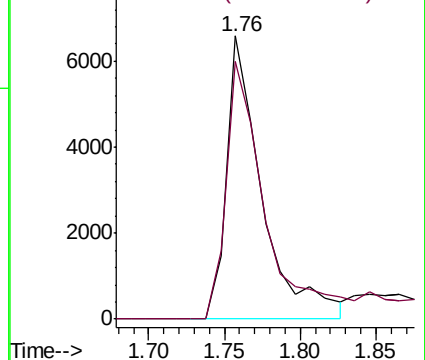
94 100

96 91.2 70.8 106.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 17.388 ug/l

RT: 1.85 min Scan# 165

Delta R.T. -0.02 min

Lab File: VD059851.D

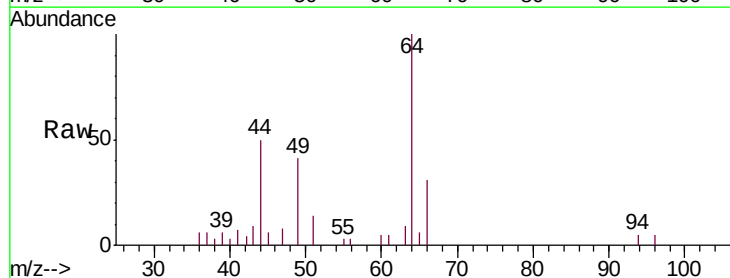
Acq: 21 Aug 2018 13:04

Tgt Ion: 64 Resp: 25649

Ion Ratio Lower Upper

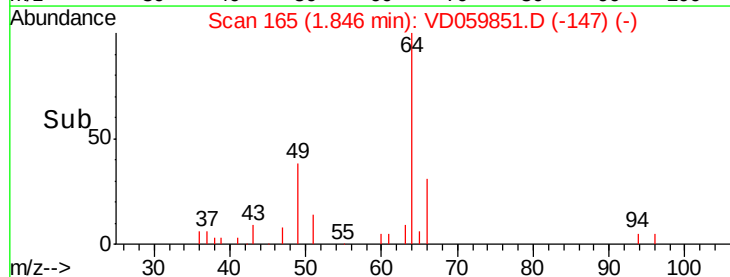
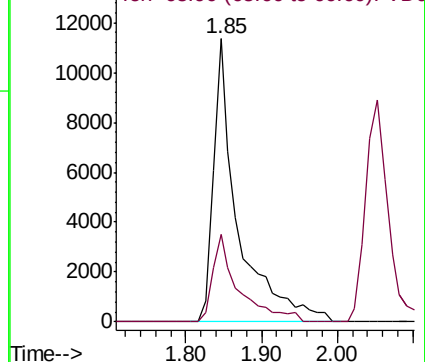
64 100

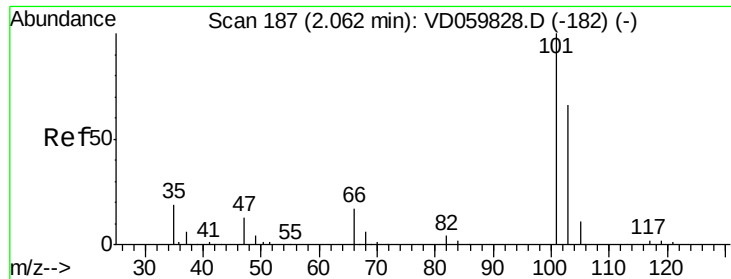
66 30.9 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



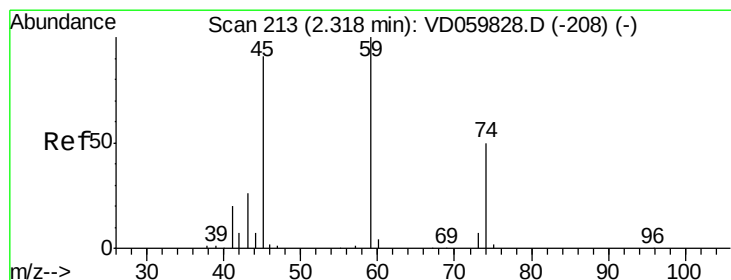
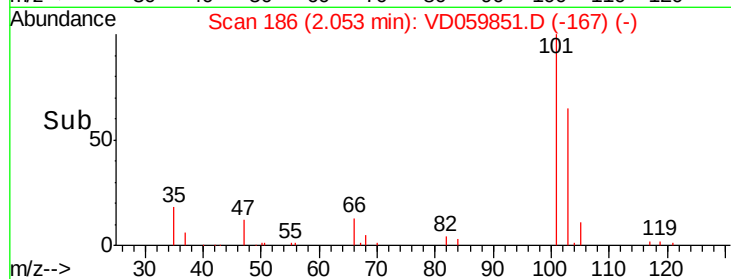
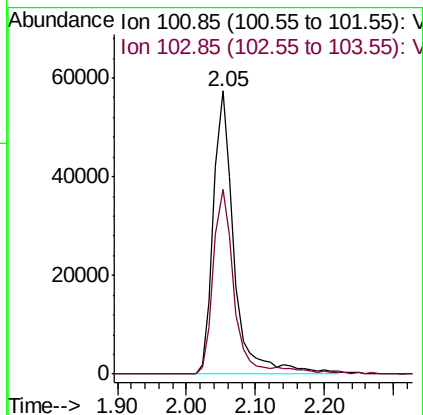
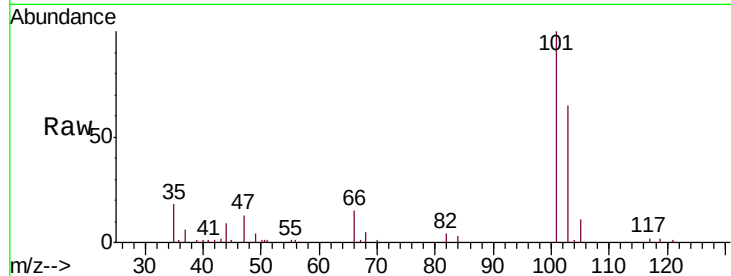


#7

Trichlorofluoromethane
 Concen: 18.349 ug/l
 RT: 2.05 min Scan# 186
 Delta R.T. -0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

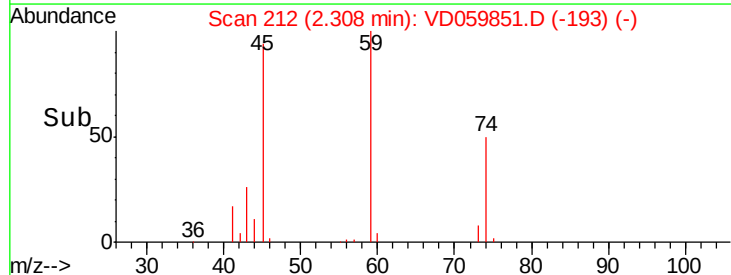
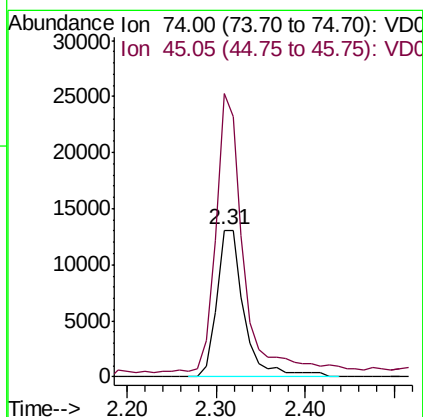
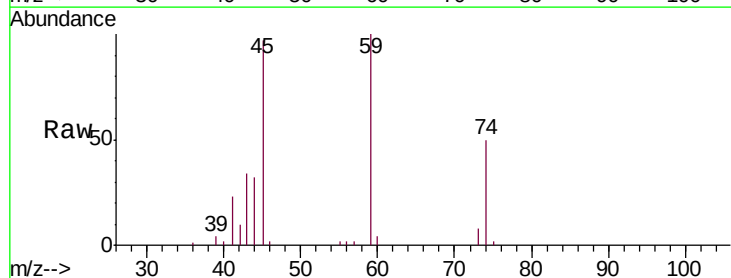
Tgt Ion:101 Resp: 120439
 Ion Ratio Lower Upper
 101 100
 103 65.1 53.0 79.4

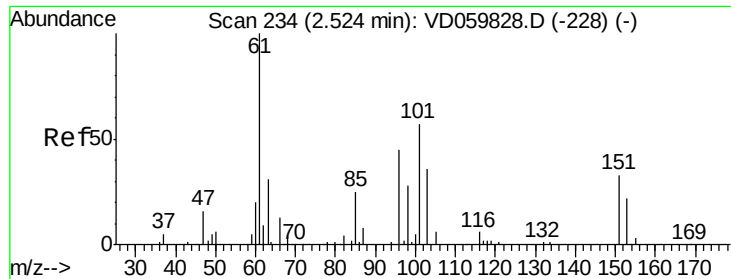


#8

Diethyl Ether
 Concen: 19.098 ug/l
 RT: 2.31 min Scan# 212
 Delta R.T. -0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 74 Resp: 28019
 Ion Ratio Lower Upper
 74 100
 45 192.6 90.6 271.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.063 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

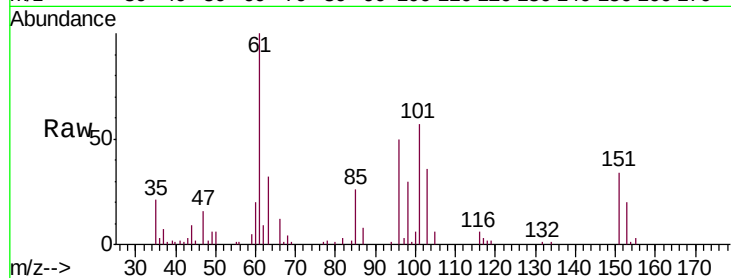
Tgt Ion:101 Resp: 87923

Ion Ratio Lower Upper

101 100

85 45.3 35.7 53.5

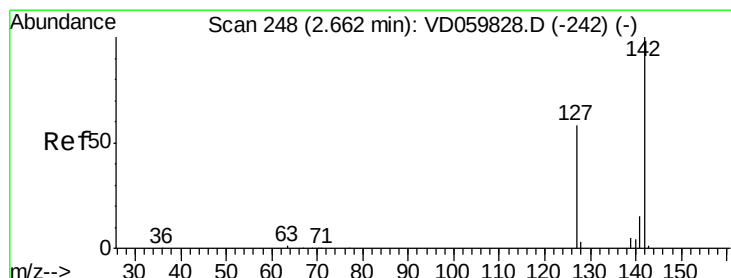
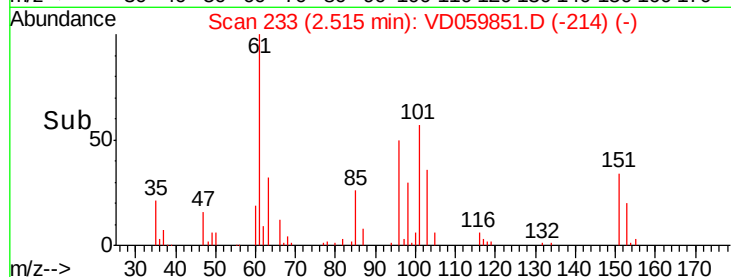
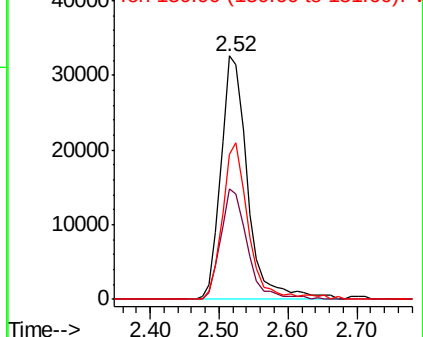
151 59.5 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 16.787 ug/l

RT: 2.65 min Scan# 247

Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

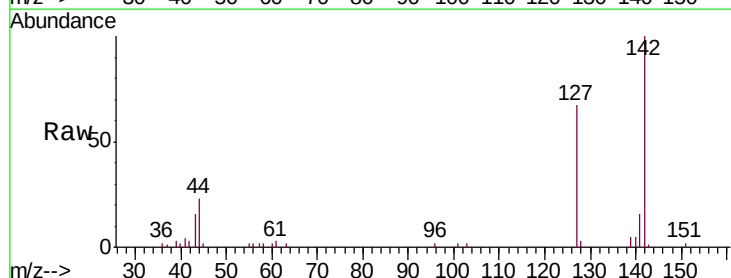
Tgt Ion:142 Resp: 78433

Ion Ratio Lower Upper

142 100

127 67.0 46.6 69.8

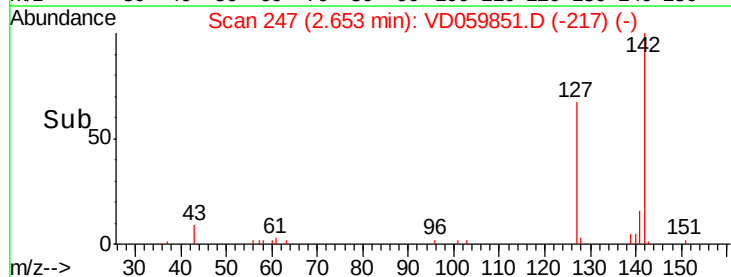
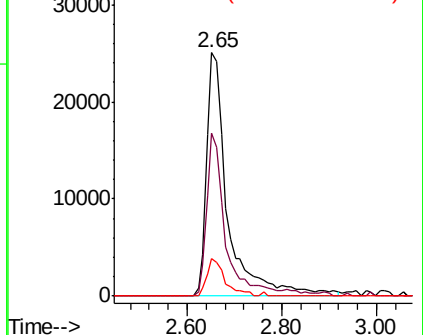
141 15.7 11.7 17.5

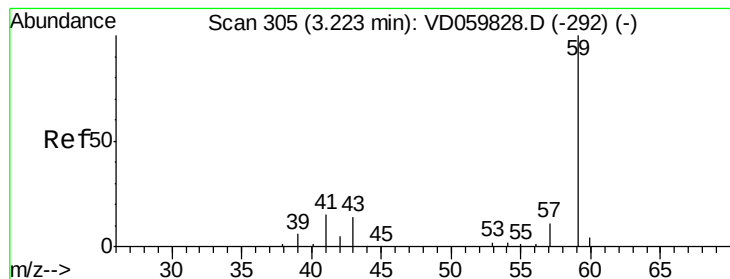


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V



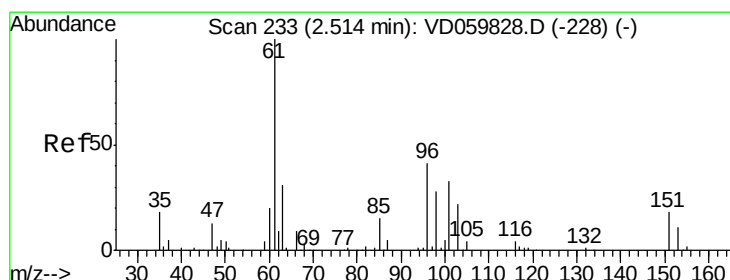
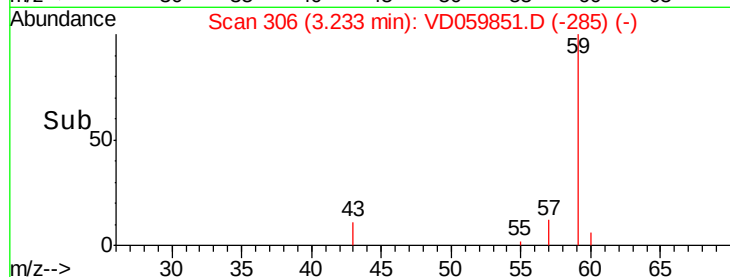
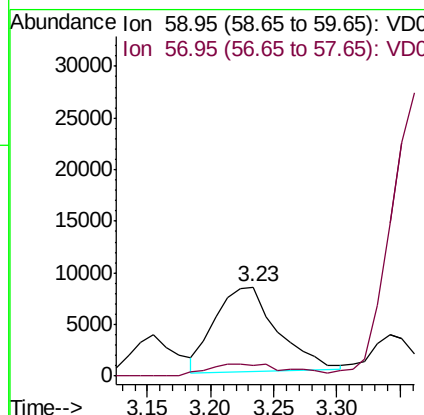
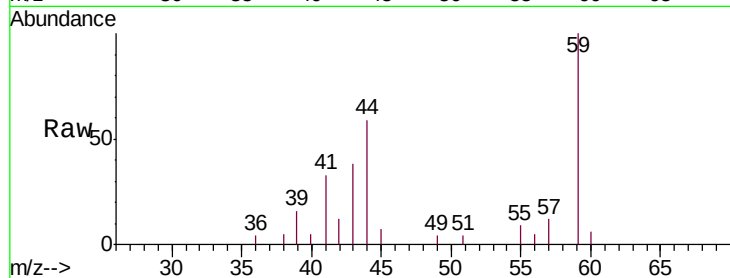


#11

Tert butyl alcohol
 Concen: 85.129 ug/l
 RT: 3.23 min Scan# 306
 Delta R.T. 0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

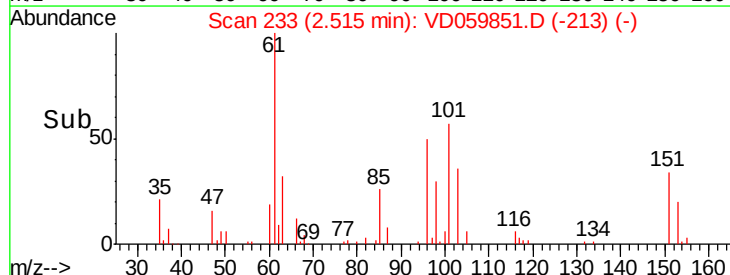
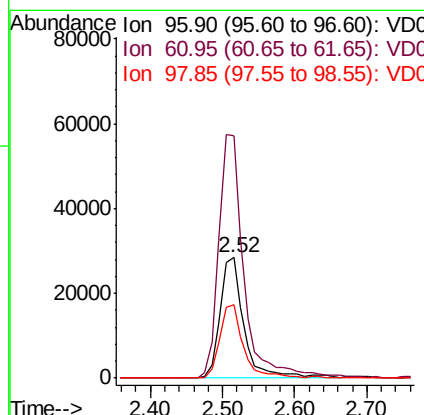
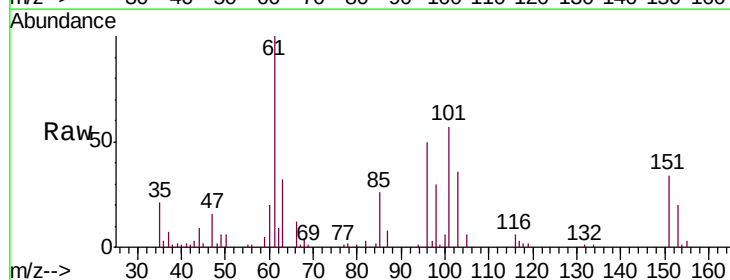
Tgt Ion: 59 Resp: 28081
 Ion Ratio Lower Upper
 59 100
 57 12.1 10.3 15.5

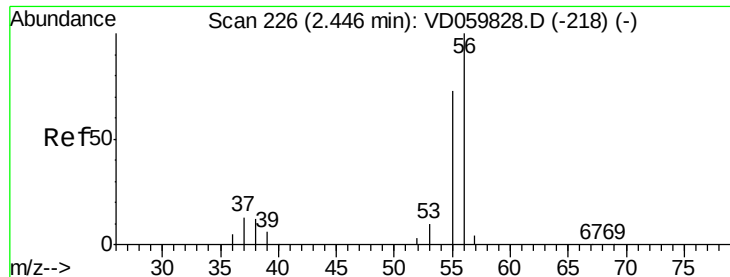


#12

1,1-Dichloroethene
 Concen: 18.998 ug/l
 RT: 2.52 min Scan# 233
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 96 Resp: 64858
 Ion Ratio Lower Upper
 96 100
 61 201.8 194.0 291.0
 98 61.2 53.4 80.0





#13

Acrolein

Concen: 72.264 ug/l

RT: 2.44 min Scan# 225

Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

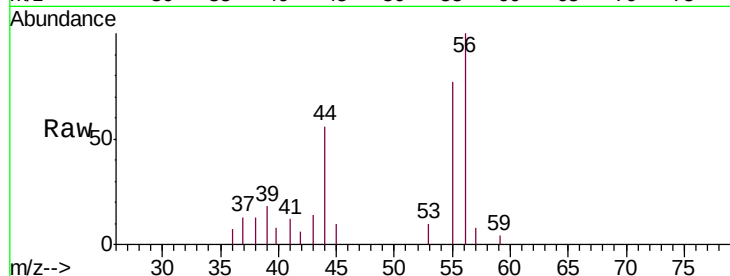
VD0821SBS01

Tgt Ion: 56 Resp: 24154

Ion Ratio Lower Upper

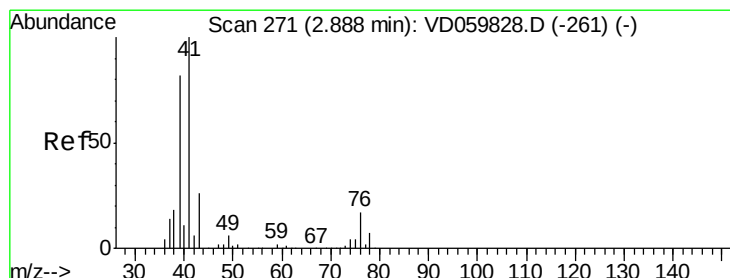
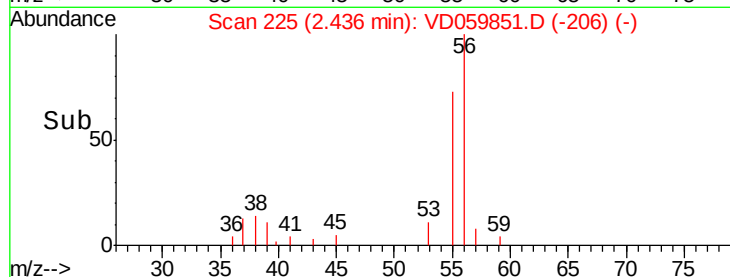
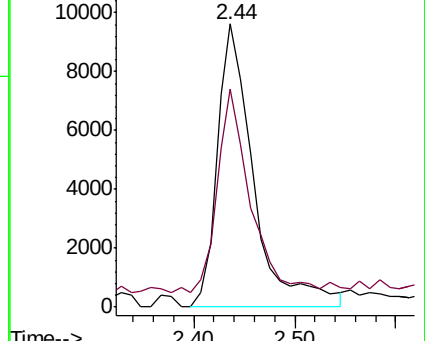
56 100

55 77.1 60.4 90.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 17.471 ug/l

RT: 2.89 min Scan# 271

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

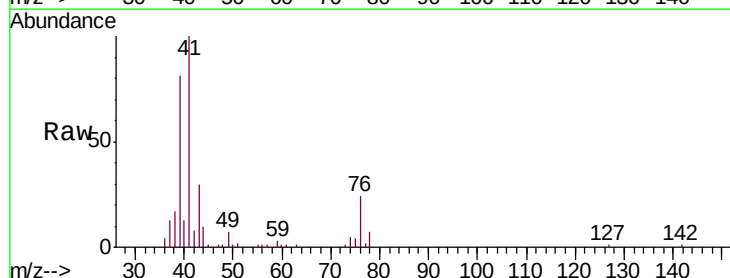
Tgt Ion: 41 Resp: 152511

Ion Ratio Lower Upper

41 100

39 81.0 65.9 98.9

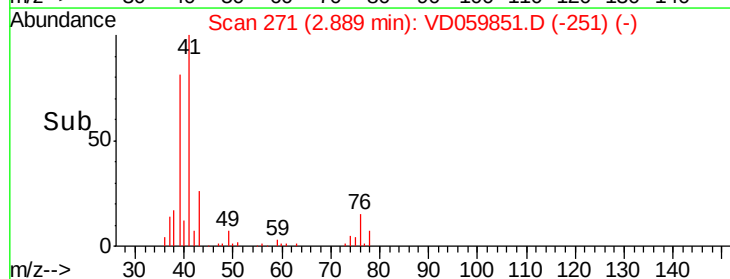
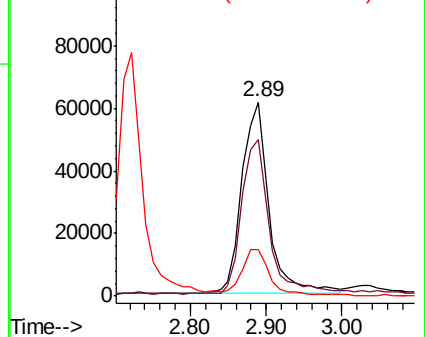
76 23.9 19.9 29.9

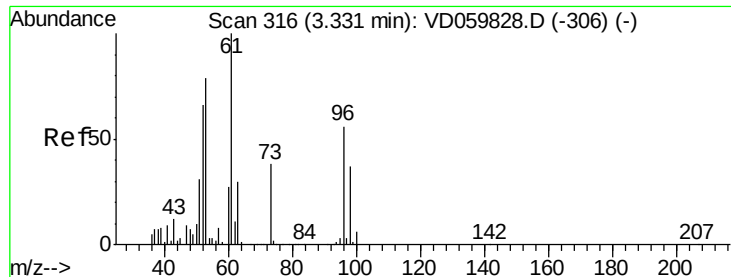


Abundance Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC





#15

Acrylonitrile

Concen: 93.261 ug/l

RT: 3.33 min Scan# 316

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

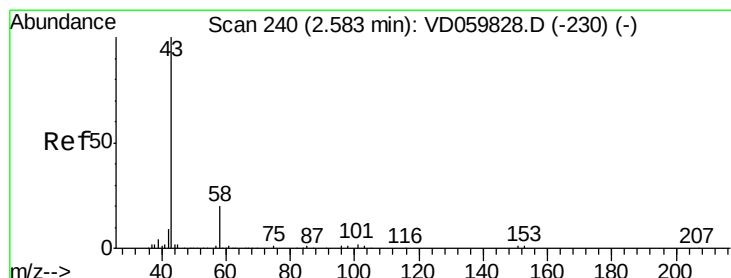
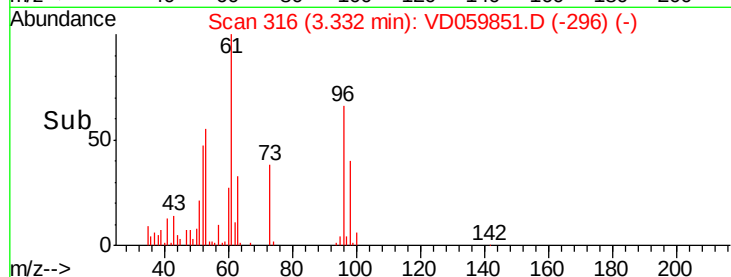
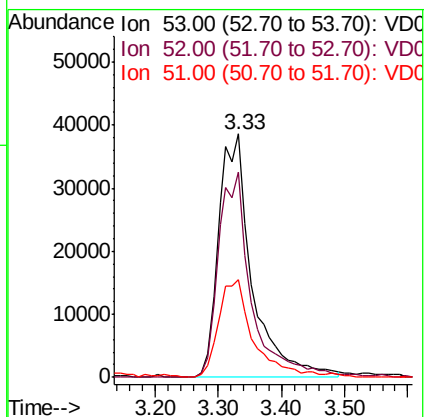
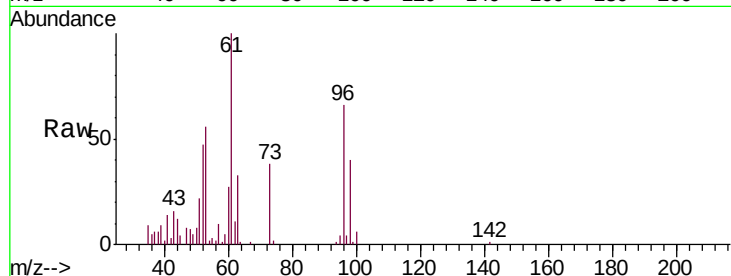
Tgt Ion: 53 Resp: 142388

Ion Ratio Lower Upper

53 100

52 84.5 66.8 100.2

51 40.0 31.6 47.4



#16

Acetone

Concen: 88.795 ug/l

RT: 2.57 min Scan# 239

Delta R.T. -0.01 min

Lab File: VD059851.D

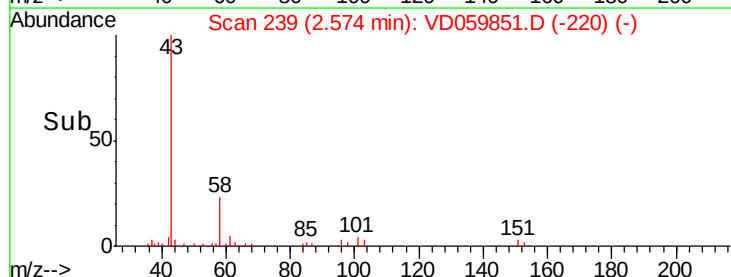
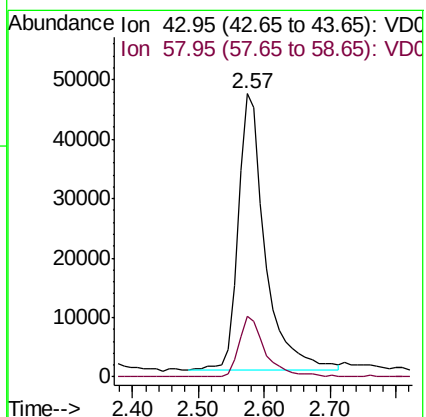
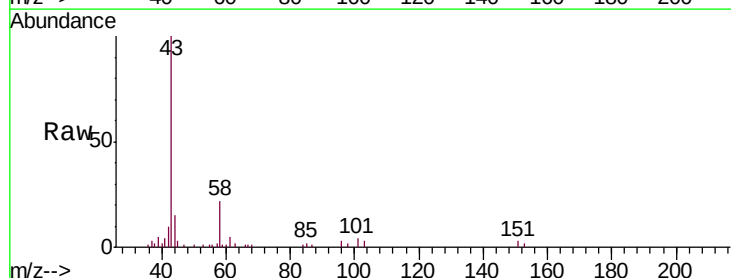
Acq: 21 Aug 2018 13:04

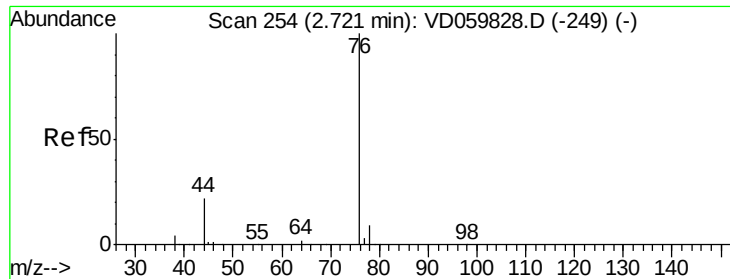
Tgt Ion: 43 Resp: 132804

Ion Ratio Lower Upper

43 100

58 21.6 16.2 24.2

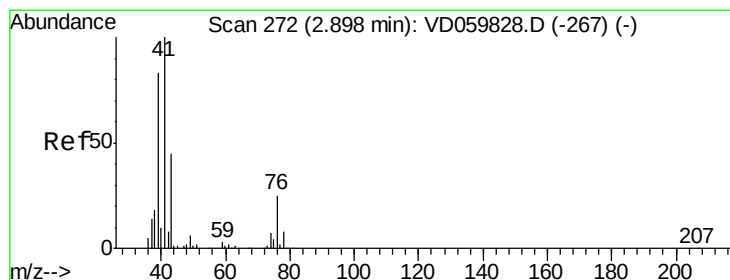
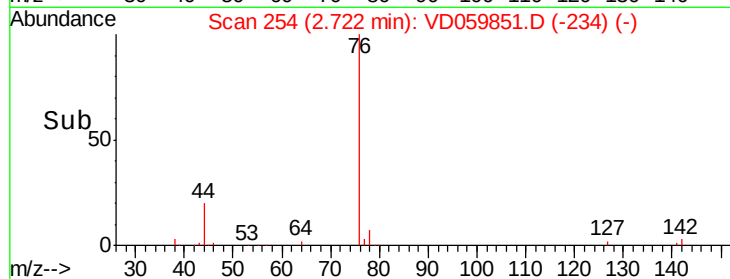
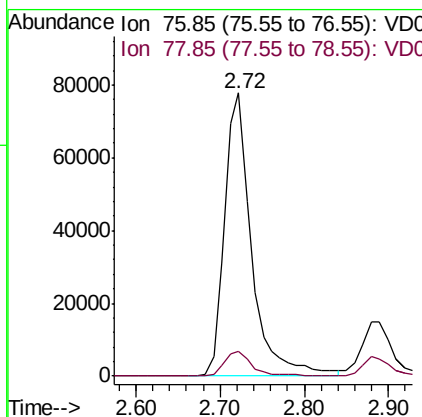
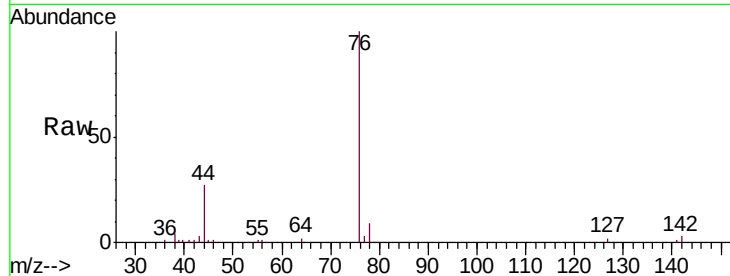




#17
Carbon Disulfide
Concen: 15.245 ug/l
RT: 2.72 min Scan# 254
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

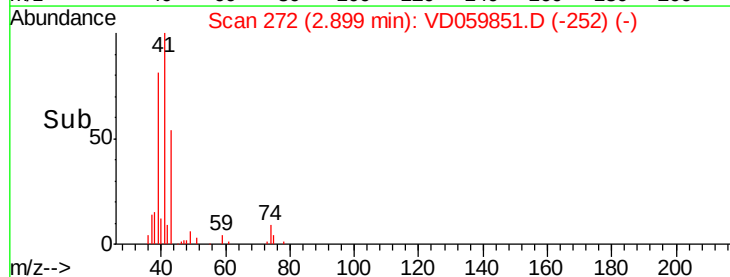
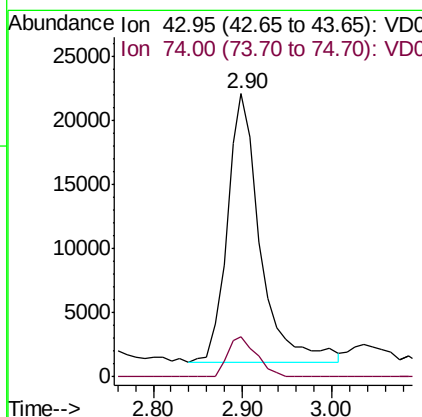
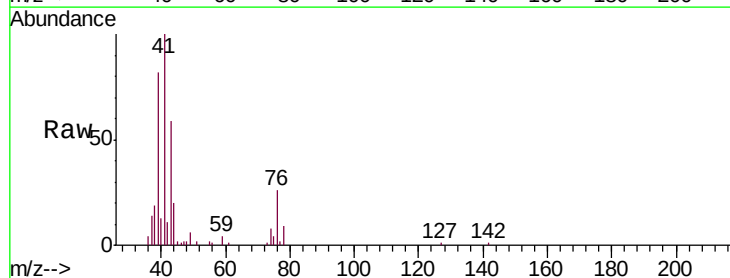
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

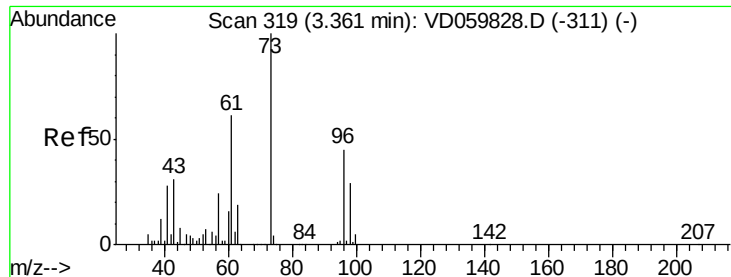
Tgt Ion: 76 Resp: 173438
Ion Ratio Lower Upper
76 100
78 8.6 7.0 10.6



#18
Methyl Acetate
Concen: 16.355 ug/l
RT: 2.90 min Scan# 272
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion: 43 Resp: 53836
Ion Ratio Lower Upper
43 100
74 14.2 11.4 17.0

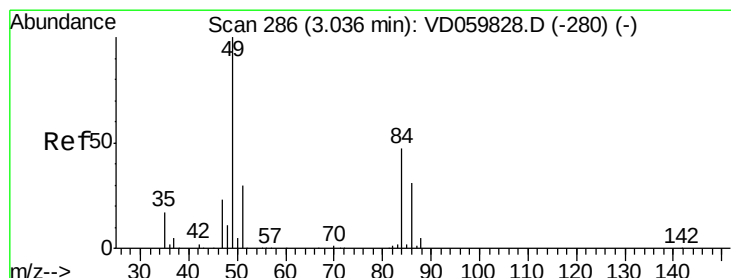
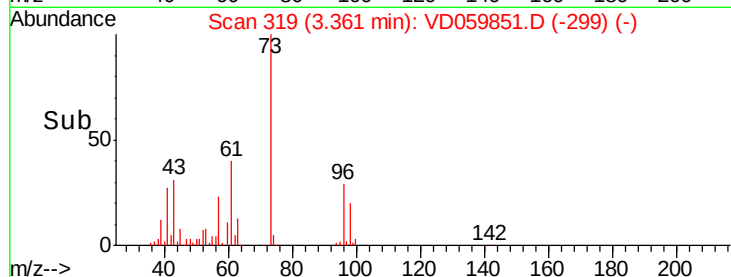
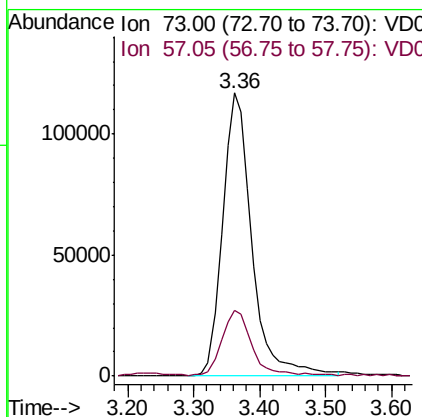
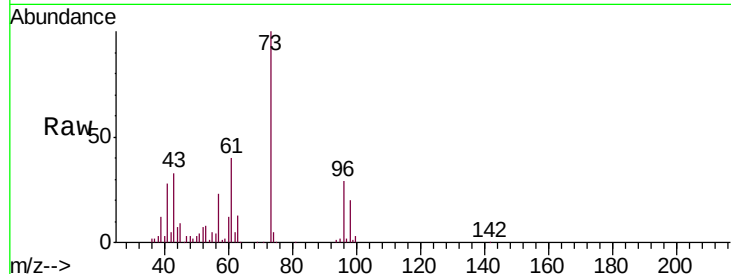




#19
Methyl tert-butyl Ether
Concen: 18.878 ug/l
RT: 3.36 min Scan# 319
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

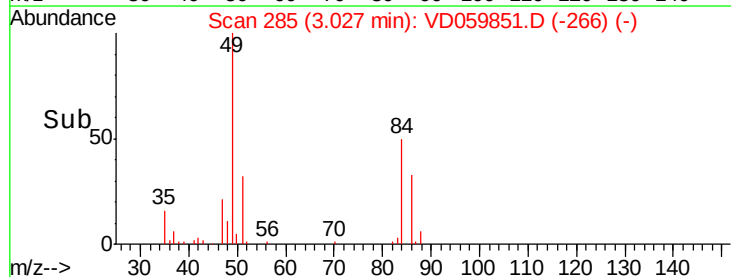
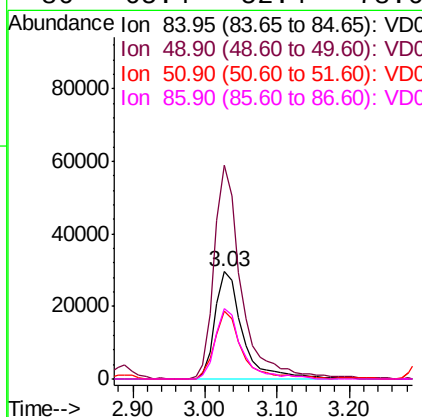
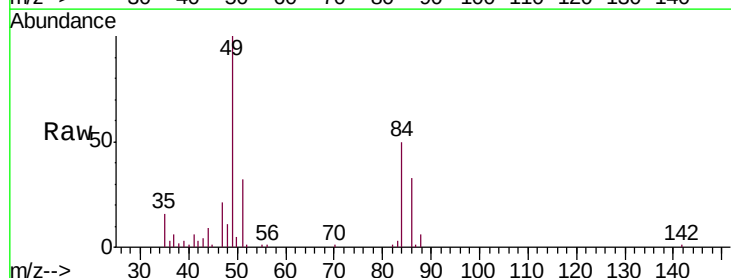
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBS01

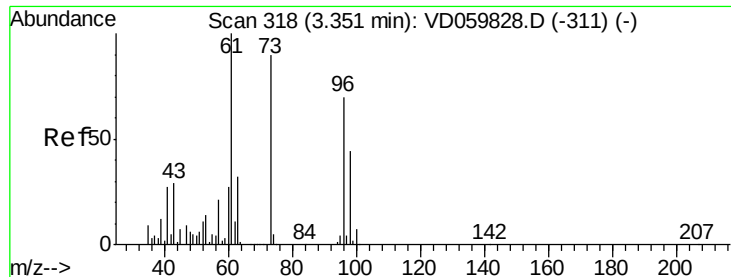
Tgt Ion: 73 Resp: 364231
Ion Ratio Lower Upper
73 100
57 23.4 19.4 29.0



#20
Methylene Chloride
Concen: 15.027 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion: 84 Resp: 78816
Ion Ratio Lower Upper
84 100
49 198.9 170.4 255.6
51 63.6 51.4 77.0
86 65.4 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 17.167 ug/l

RT: 3.34 min Scan# 317

Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

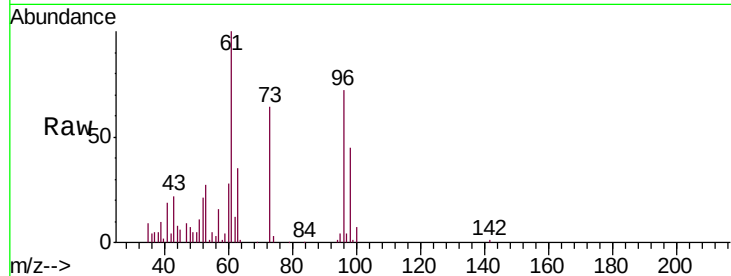
Tgt Ion: 96 Resp: 165327

Ion Ratio Lower Upper

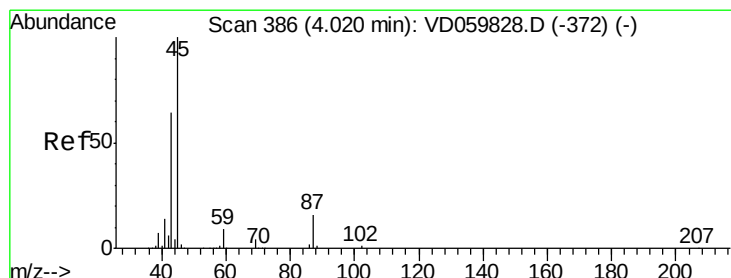
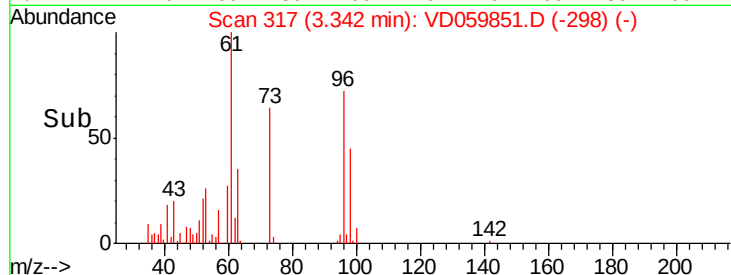
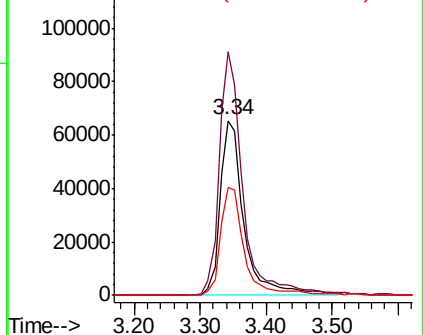
96 100

61 139.2 114.1 171.1

98 62.0 50.1 75.1



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



#22

Diisopropyl ether

Concen: 19.008 ug/l

RT: 4.02 min Scan# 386

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion: 45 Resp: 847586

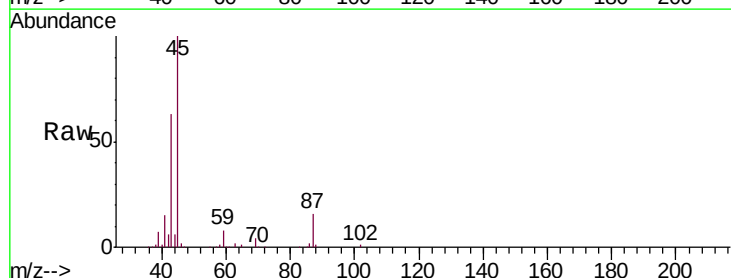
Ion Ratio Lower Upper

45 100

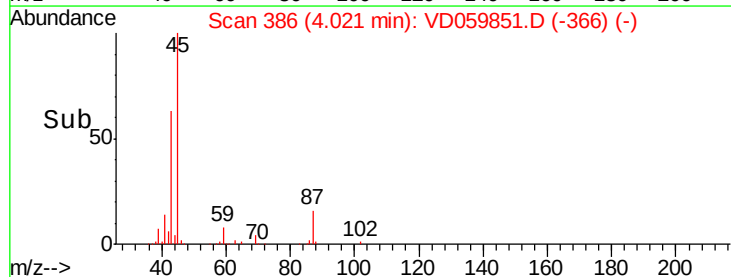
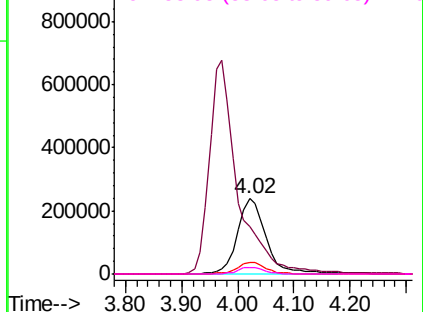
43 63.0 51.1 76.7

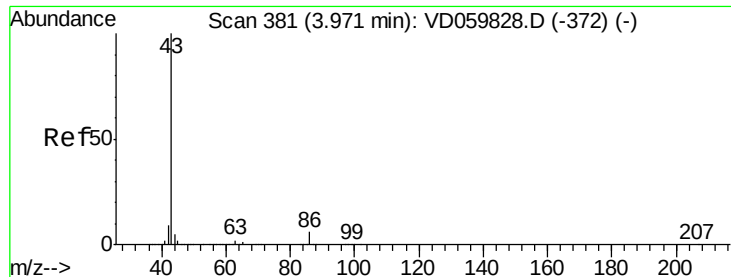
87 16.1 12.5 18.7

59 8.5 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: 99.126 ug/l

RT: 3.97 min Scan# 381

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

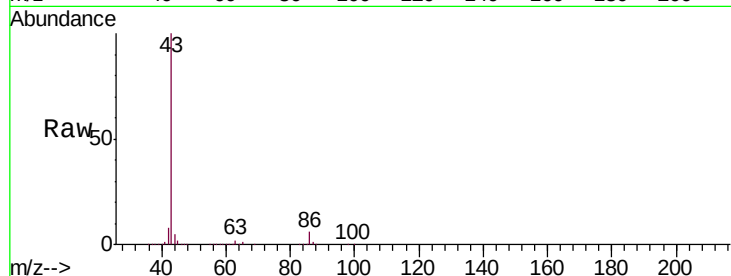
VD0821SBSD01

Tgt Ion: 43 Resp: 2374458

Ion Ratio Lower Upper

43 100

86 5.9 4.6 7.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC

3.97

600000

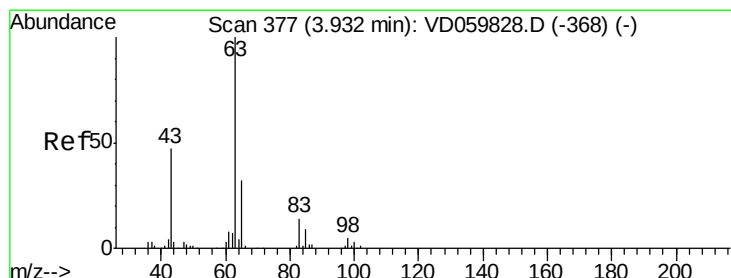
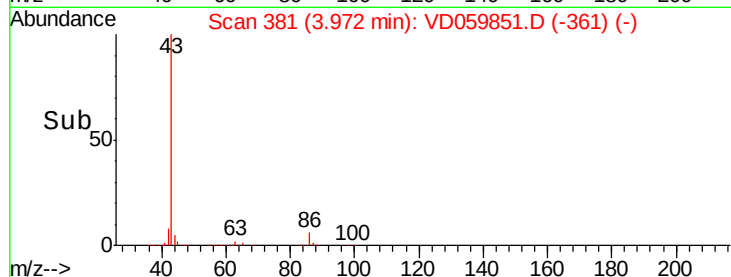
400000

200000

0

Time-->

3.80 3.90 4.00 4.10 4.20



#24

1,1-Dichloroethane

Concen: 18.776 ug/l

RT: 3.92 min Scan# 376

Delta R.T. -0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

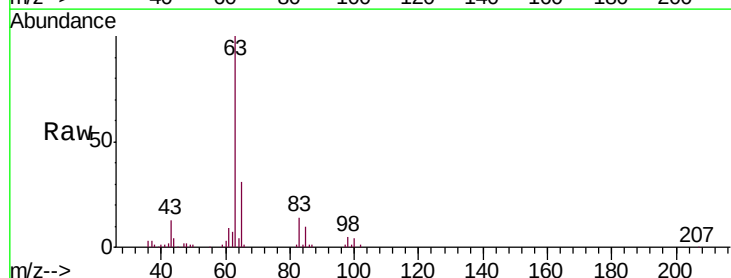
Tgt Ion: 63 Resp: 368181

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.6

100 3.6 1.7 5.0



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC

150000

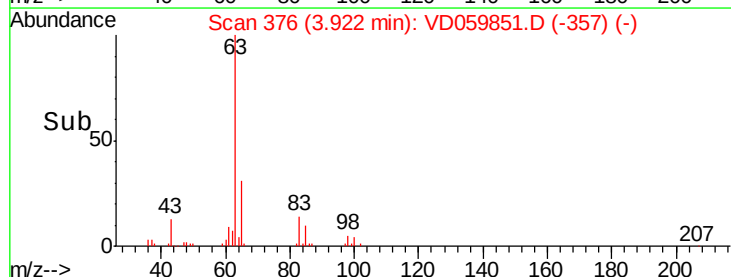
100000

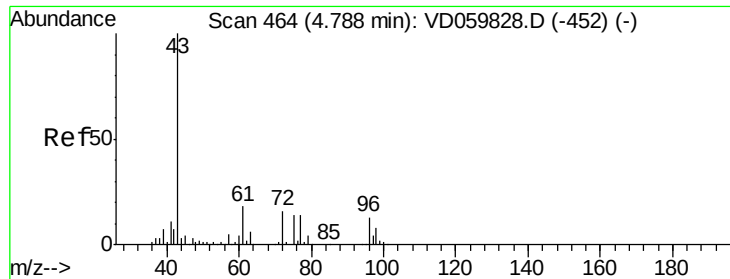
50000

0

Time-->

3.80 3.90 4.00 4.10





#25

2-Butanone

Concen: 87.604 ug/l

RT: 4.79 min Scan# 464

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

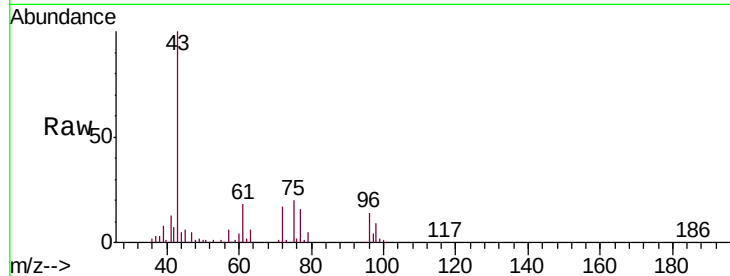
VD0821SBS01

Tgt Ion: 43 Resp: 396037

Ion Ratio Lower Upper

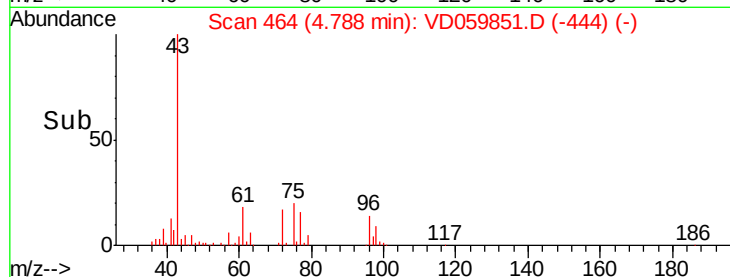
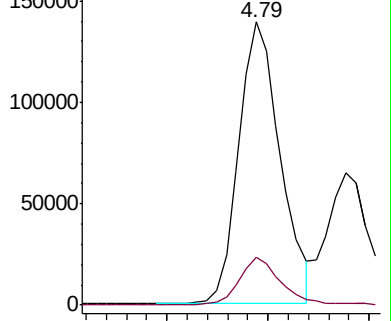
43 100

72 17.0 12.4 18.6

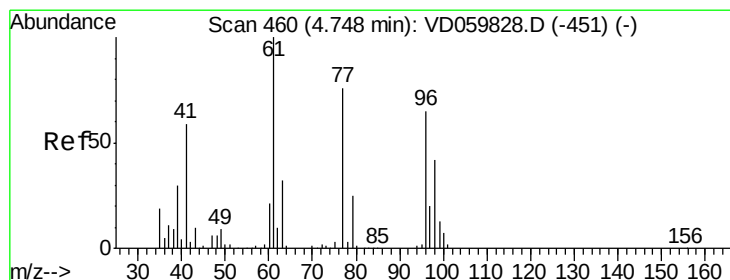


Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



Time-->



#26

2,2-Dichloropropane

Concen: 19.600 ug/l

RT: 4.75 min Scan# 460

Delta R.T. 0.00 min

Lab File: VD059851.D

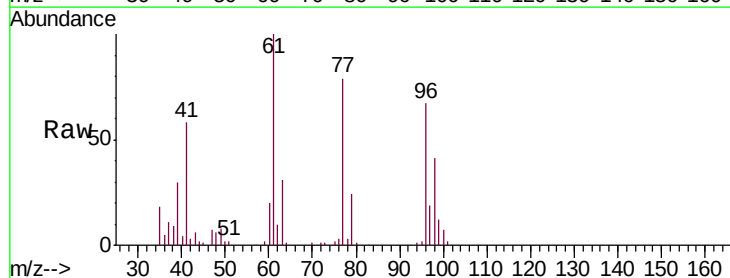
Acq: 21 Aug 2018 13:04

Tgt Ion: 77 Resp: 301556

Ion Ratio Lower Upper

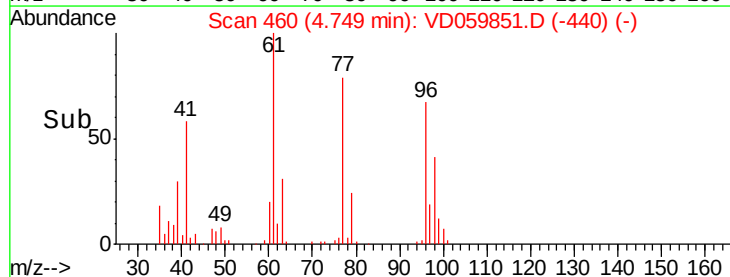
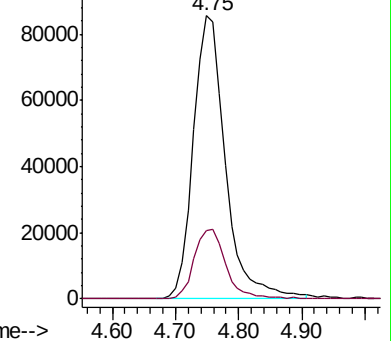
77 100

97 24.2 13.0 38.9

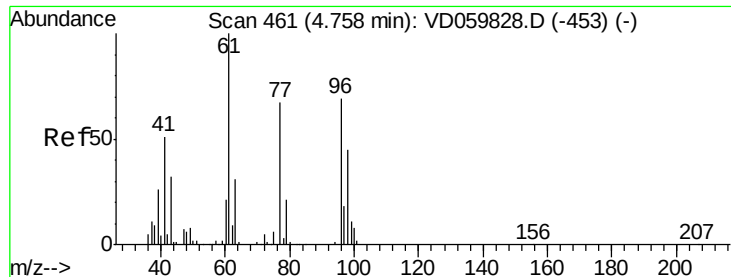


Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



Time-->

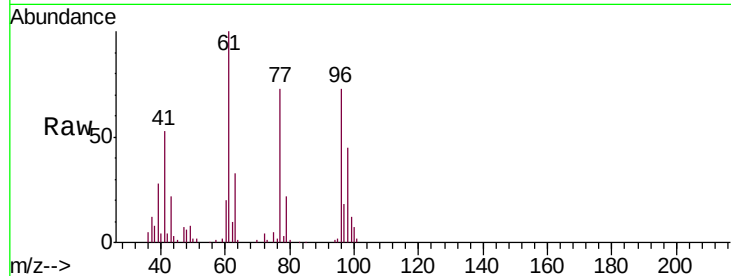


#27

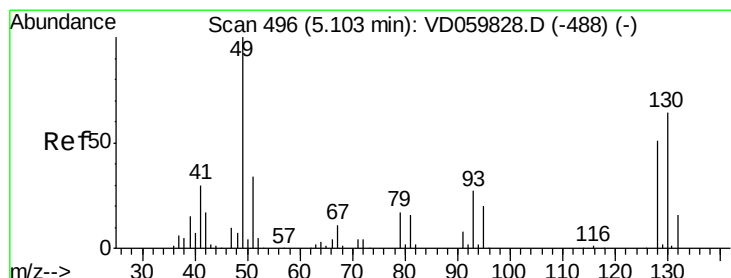
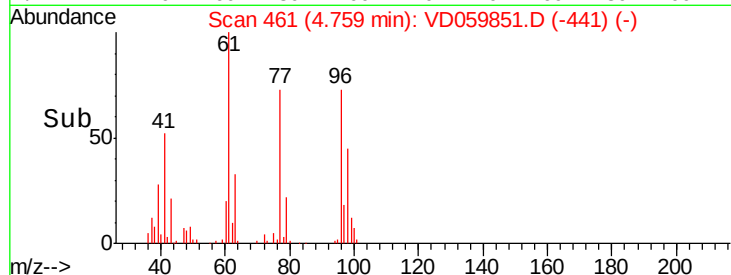
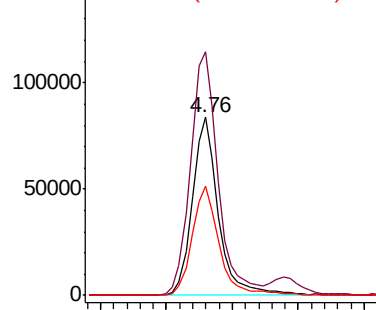
cis-1,2-Dichloroethene
 Concen: 19.793 ug/l
 RT: 4.76 min Scan# 461
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tgt Ion	Ratio	Lower	Upper
96	100		
61	136.9	0.0	291.8
98	61.7	0.0	131.6



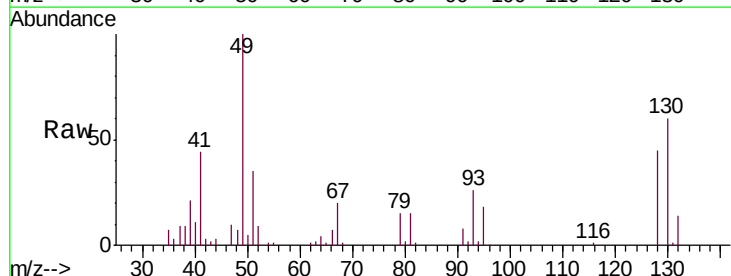
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



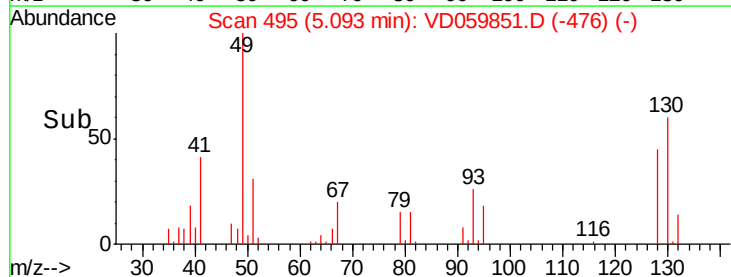
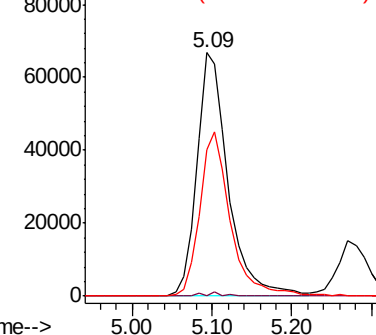
#28

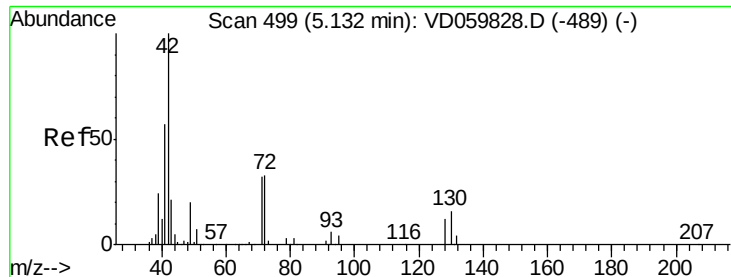
Bromochloromethane
 Concen: 18.429 ug/l
 RT: 5.09 min Scan# 495
 Delta R.T. -0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	59.9	51.0	76.6



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: 96.700 ug/l

RT: 5.14 min Scan# 500

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

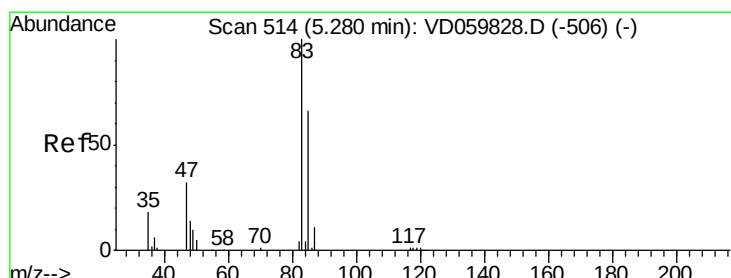
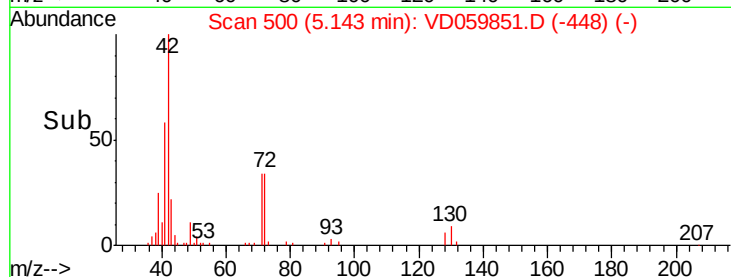
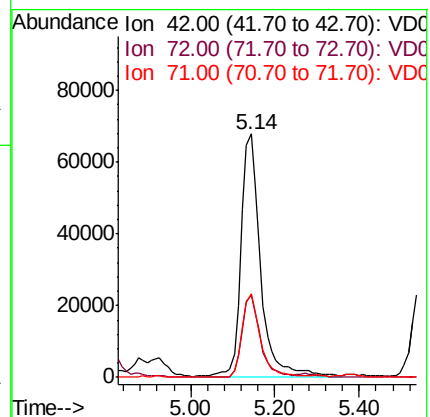
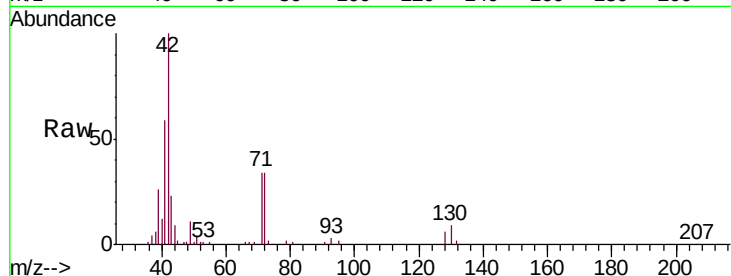
Tgt Ion: 42 Resp: 221346

Ion Ratio Lower Upper

42 100

72 30.8 25.8 38.6

71 31.6 25.7 38.5



#30

Chloroform

Concen: 19.566 ug/l

RT: 5.28 min Scan# 514

Delta R.T. 0.00 min

Lab File: VD059851.D

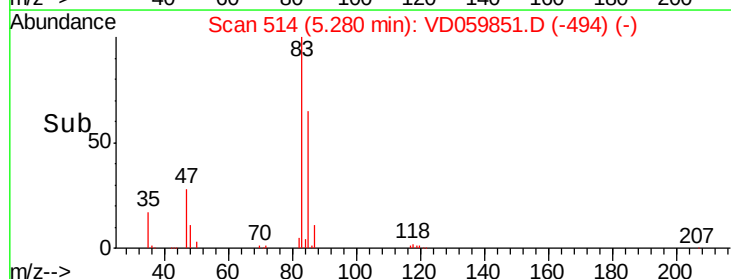
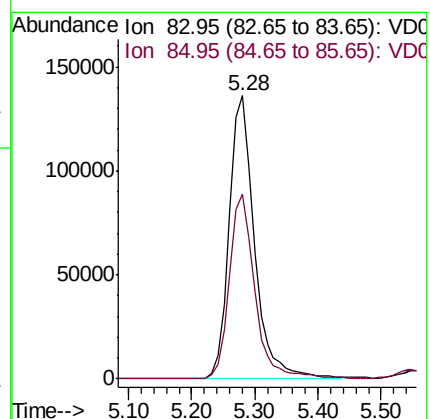
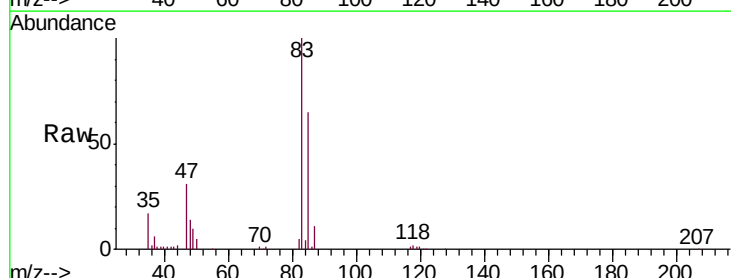
Acq: 21 Aug 2018 13:04

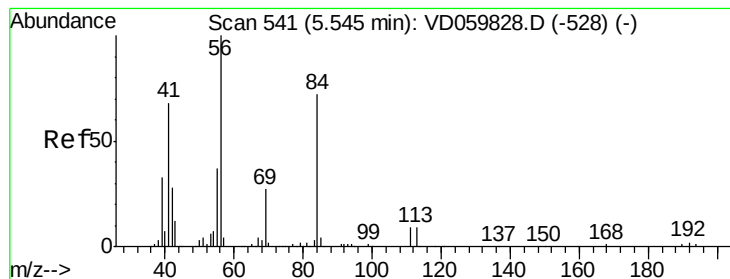
Tgt Ion: 83 Resp: 378638

Ion Ratio Lower Upper

83 100

85 65.2 52.9 79.3





#31

Cyclohexane

Concen: 15.817 ug/l

RT: 5.55 min Scan# 541

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

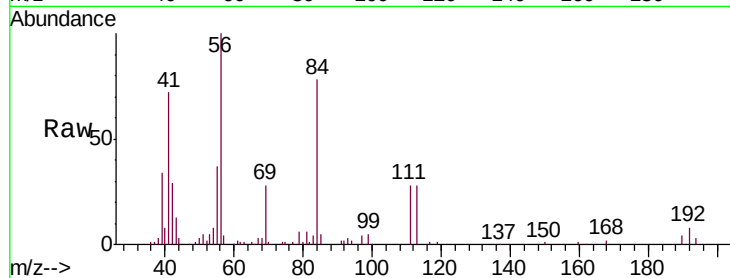
Tgt Ion: 56 Resp: 296710

Ion Ratio Lower Upper

56 100

69 28.3 21.7 32.5

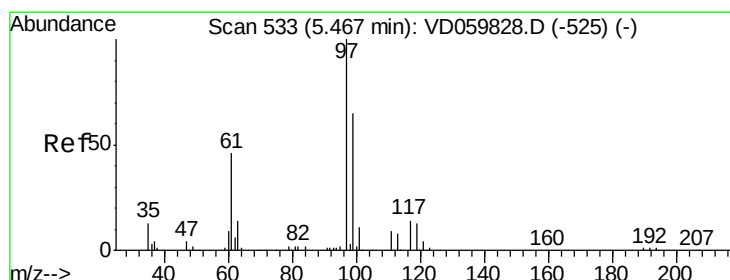
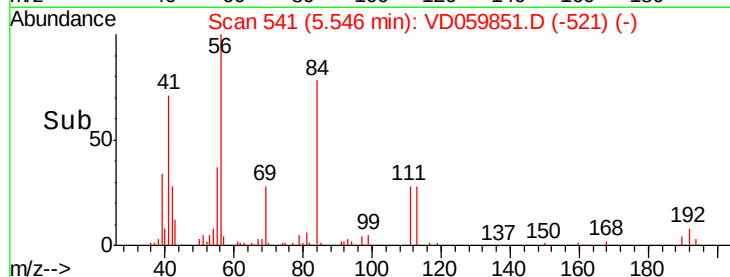
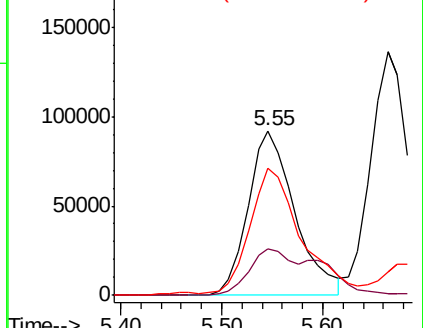
84 77.5 57.8 86.6



Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.05 (83.75 to 84.75): VDC



#32

1,1,1-Trichloroethane

Concen: 18.987 ug/l

RT: 5.47 min Scan# 533

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

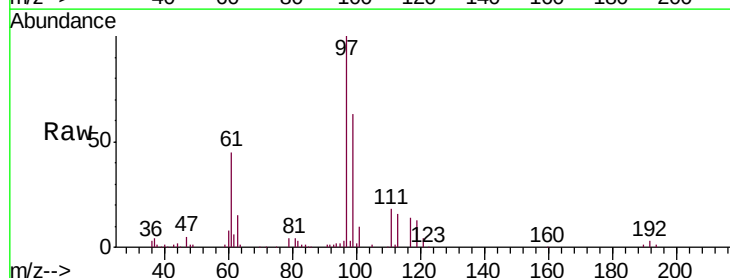
Tgt Ion: 97 Resp: 309634

Ion Ratio Lower Upper

97 100

99 63.3 51.9 77.9

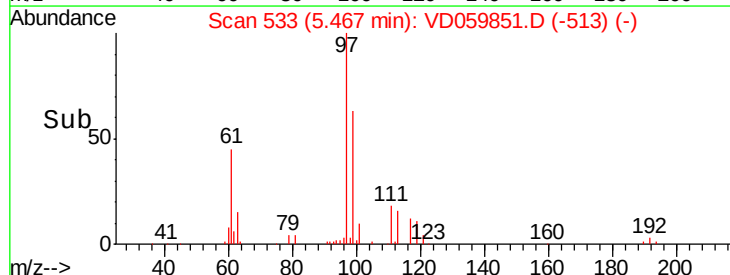
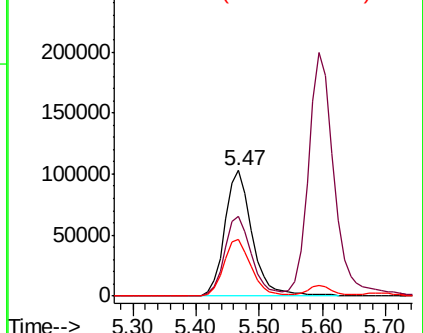
61 45.0 37.0 55.6

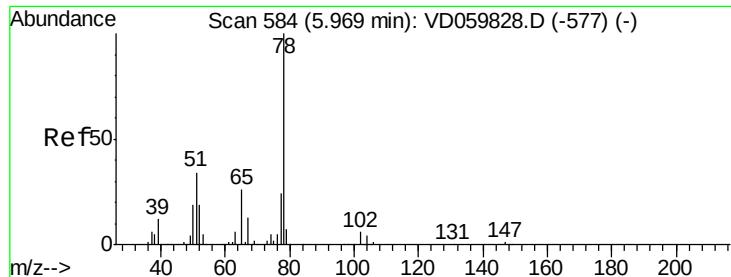


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 98.85 (98.55 to 99.55): VDC

Ion 60.95 (60.65 to 61.65): VDC

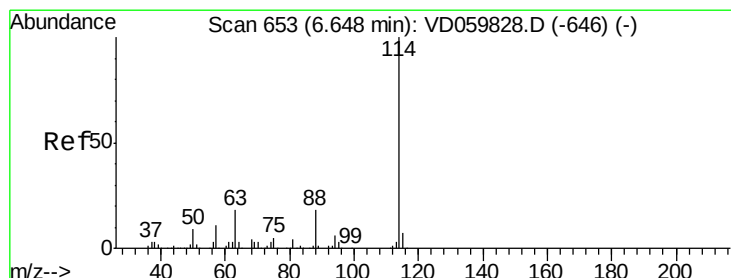
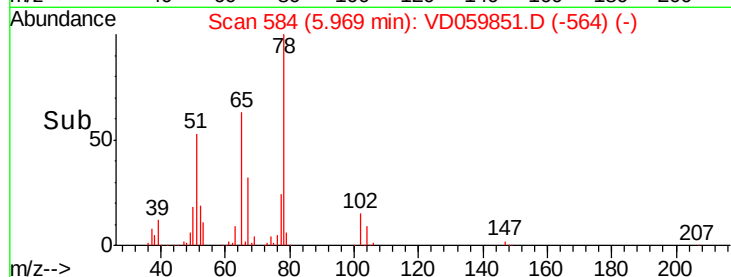
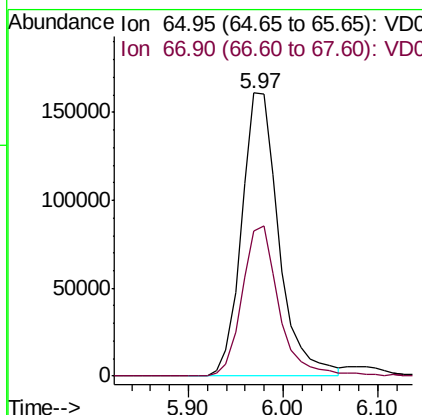
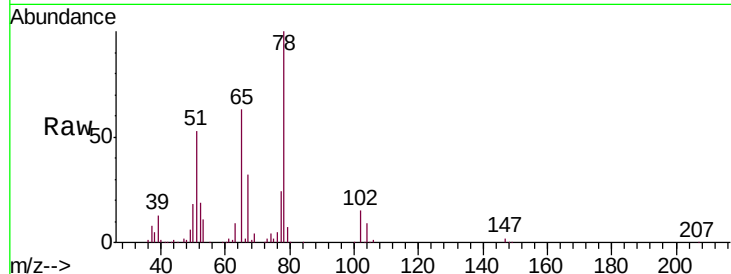




#33
 1,2-Dichloroethane-d4
 Concen: 18.987 ug/l
 RT: 5.97 min Scan# 584
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

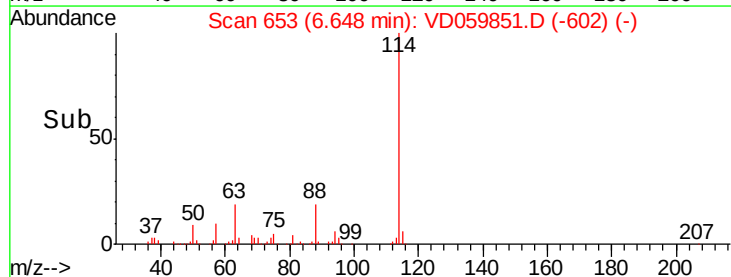
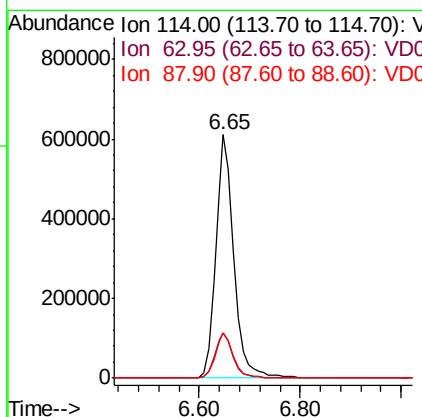
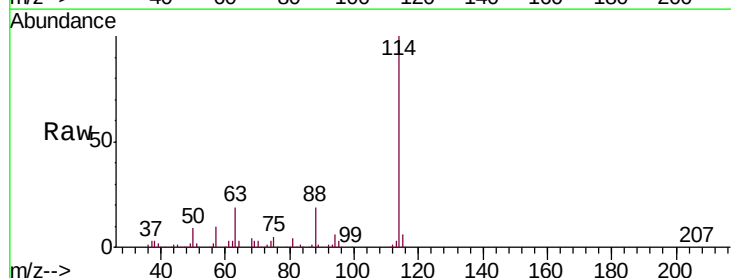
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

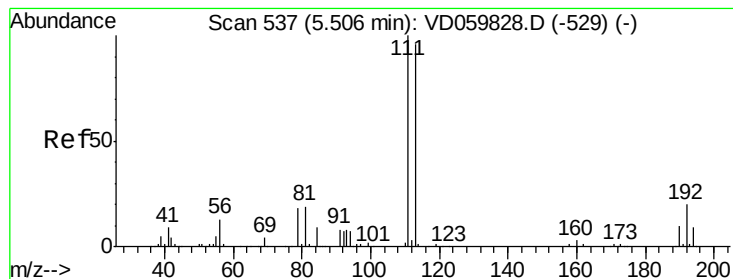
Tgt Ion: 65 Resp: 439228
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.65 min Scan# 653
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 114 Resp: 1538163
 Ion Ratio Lower Upper
 114 100
 63 18.8 0.0 37.0
 88 18.7 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.51 min Scan# 537

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

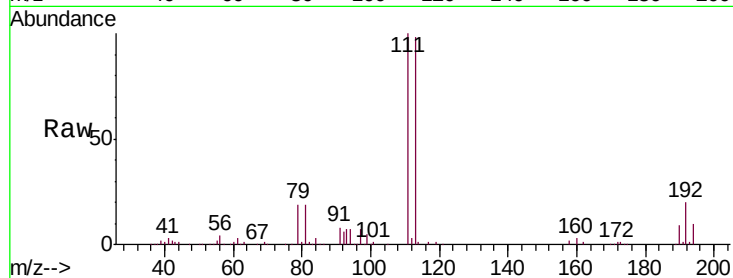
Tgt Ion:113 Resp: 581794

Ion Ratio Lower Upper

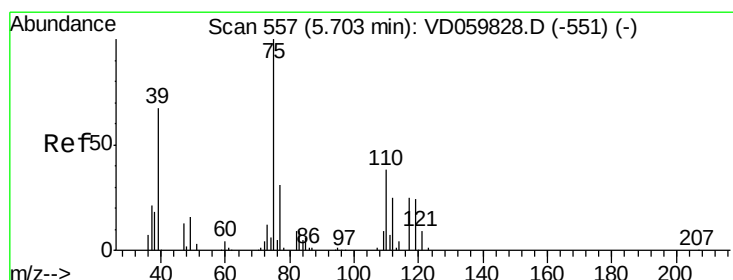
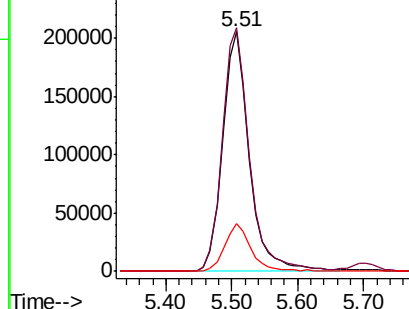
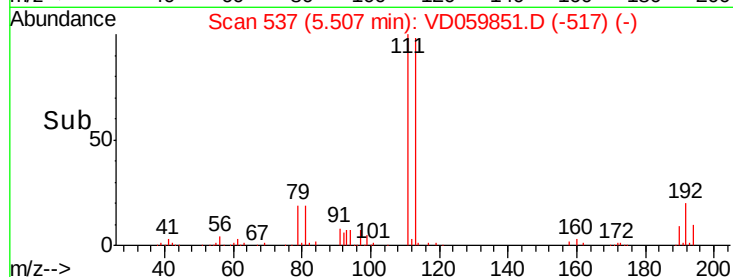
113 100

111 101.7 83.3 124.9

192 19.9 16.8 25.2



Abundance Ion 112.90 (112.60 to 113.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 191.80 (191.50 to 192.50): V



#36

1,1-Dichloropropene

Concen: 20.073 ug/l

RT: 5.70 min Scan# 557

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

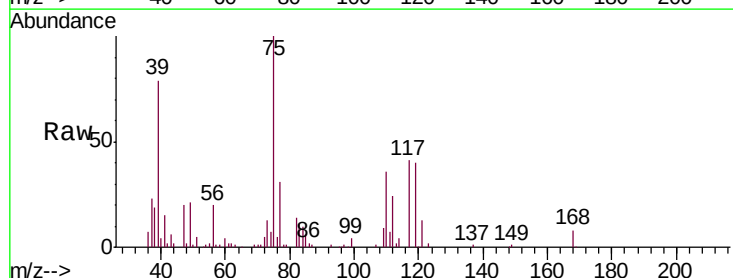
Tgt Ion: 75 Resp: 261853

Ion Ratio Lower Upper

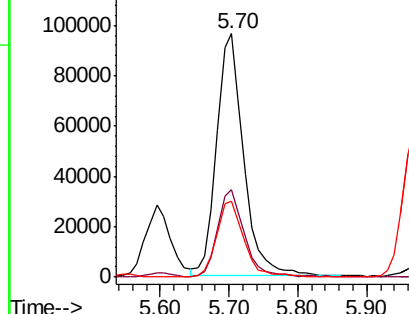
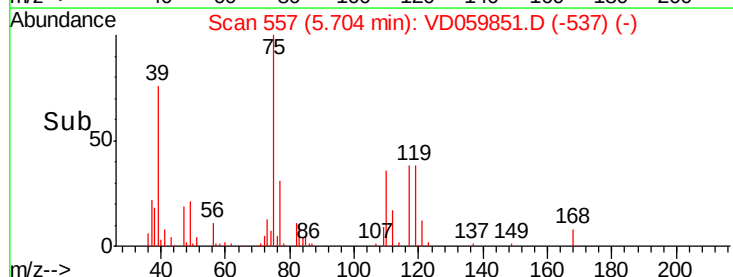
75 100

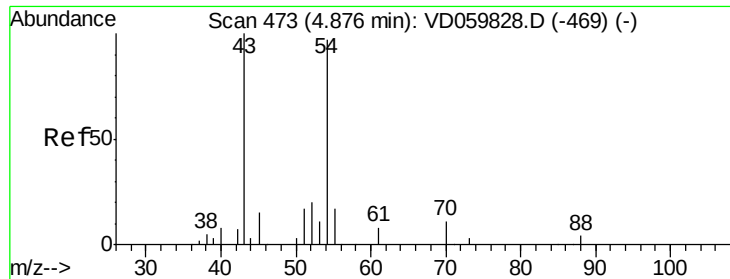
110 35.8 18.8 56.4

77 30.9 24.9 37.3



Abundance Ion 75.00 (74.70 to 75.70): VDC
Ion 109.90 (109.60 to 110.60): V
Ion 76.95 (76.65 to 77.65): VDC

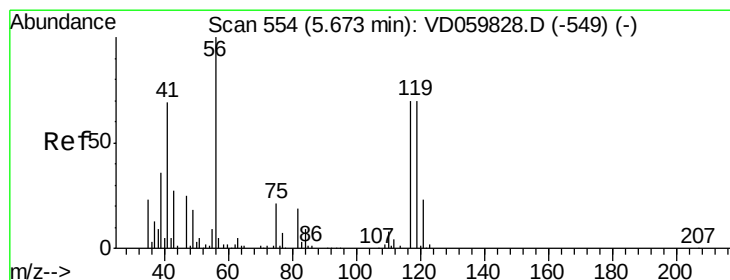
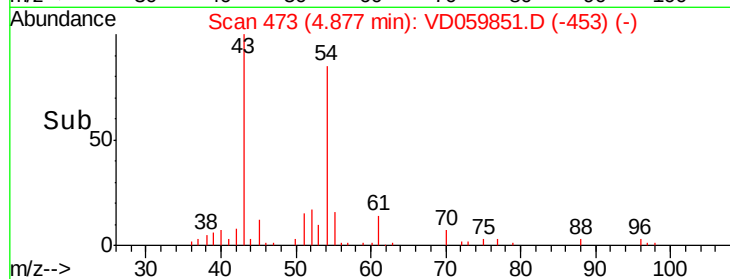
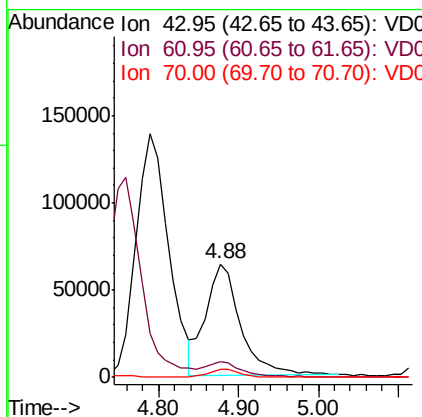
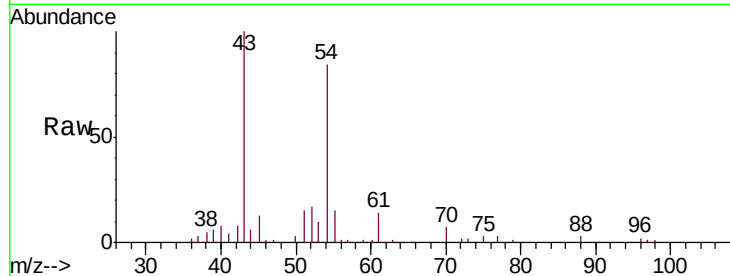




#37
Ethyl Acetate
 Concen: 20.217 ug/l
 RT: 4.88 min Scan# 473
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

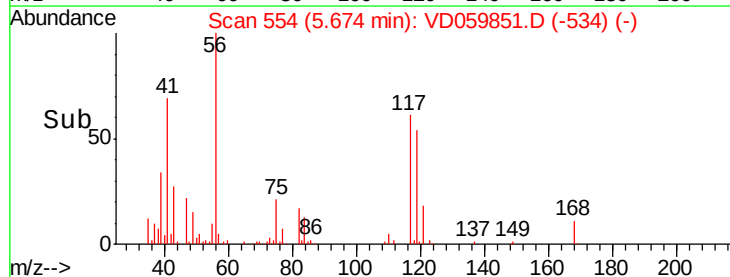
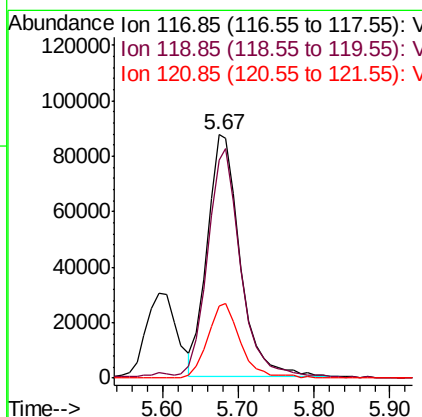
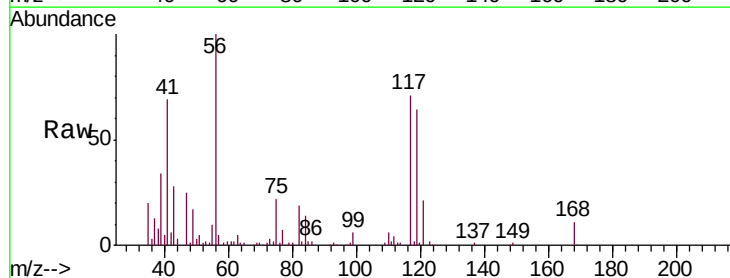
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

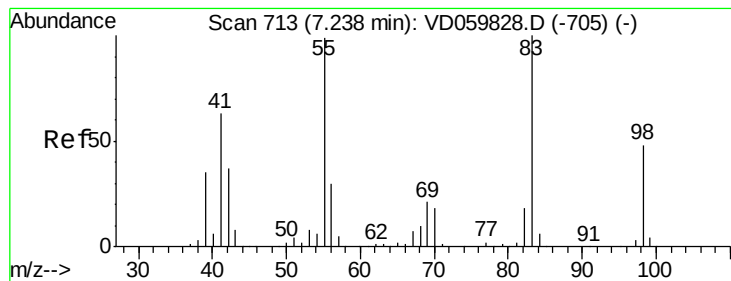
Tgt Ion: 43 Resp: 195503
 Ion Ratio Lower Upper
 43 100
 61 13.7 10.4 15.6
 70 7.2 6.2 9.2



#38
Carbon Tetrachloride
 Concen: 20.130 ug/l
 RT: 5.67 min Scan# 554
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 117 Resp: 262091
 Ion Ratio Lower Upper
 117 100
 119 89.6 77.0 115.4
 121 29.5 24.7 37.1





#39

Methylcyclohexane

Concen: 19.154 ug/l

RT: 7.24 min Scan# 713

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

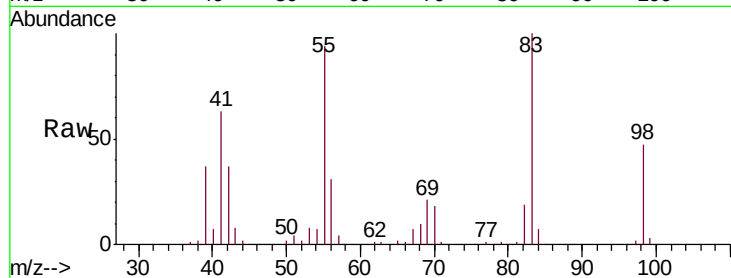
Tgt Ion: 83 Resp: 267260

Ion Ratio Lower Upper

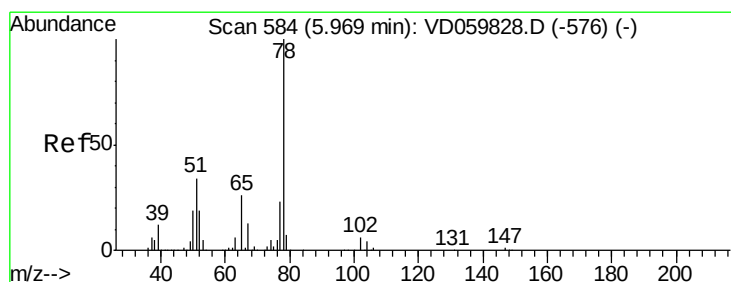
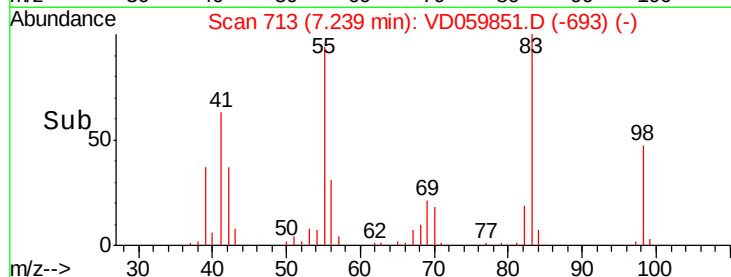
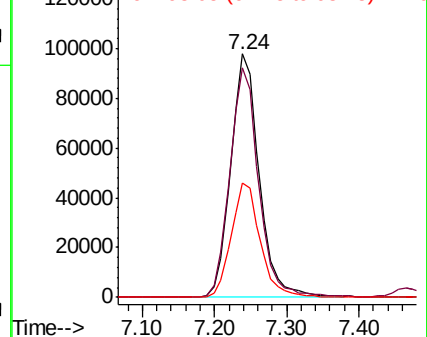
83 100

55 94.5 79.0 118.6

98 46.9 38.1 57.1



Abundance Ion 83.05 (82.75 to 83.75): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.05 (97.75 to 98.75): VDC



#40

Benzene

Concen: 20.592 ug/l

RT: 5.97 min Scan# 584

Delta R.T. 0.00 min

Lab File: VD059851.D

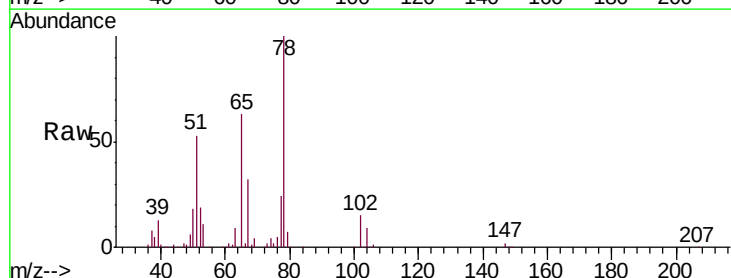
Acq: 21 Aug 2018 13:04

Tgt Ion: 78 Resp: 695949

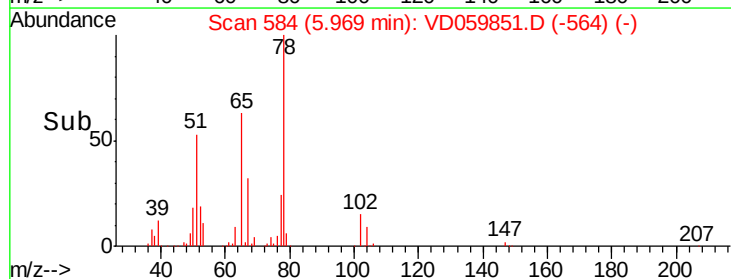
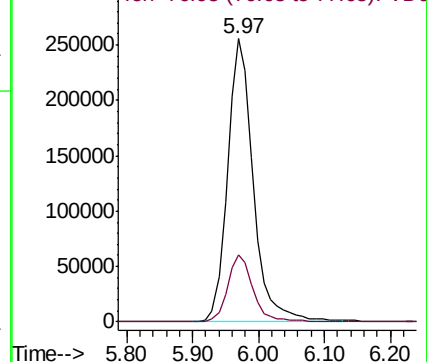
Ion Ratio Lower Upper

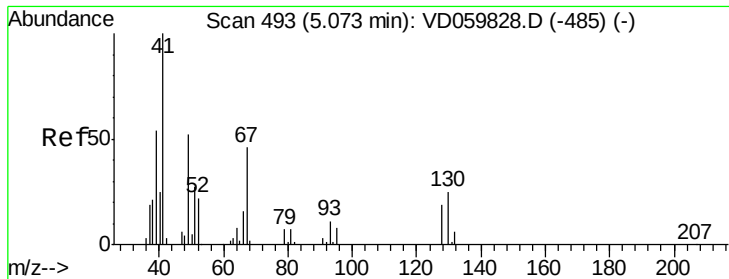
78 100

77 23.5 18.8 28.2



Abundance Ion 77.95 (77.65 to 78.65): VDC
Ion 76.95 (76.65 to 77.65): VDC

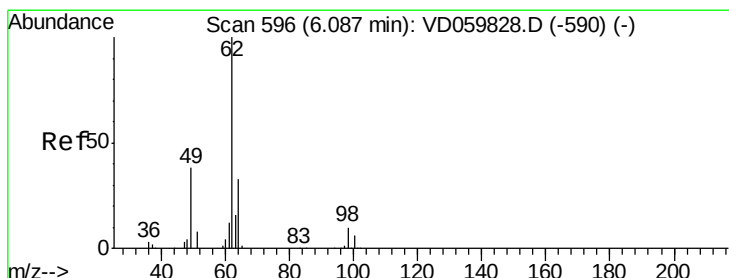
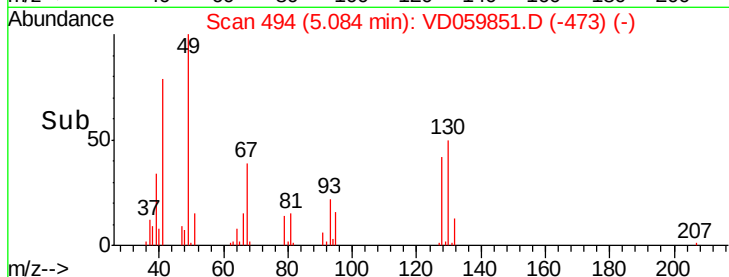
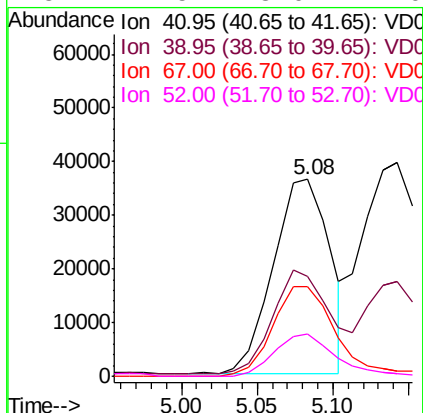
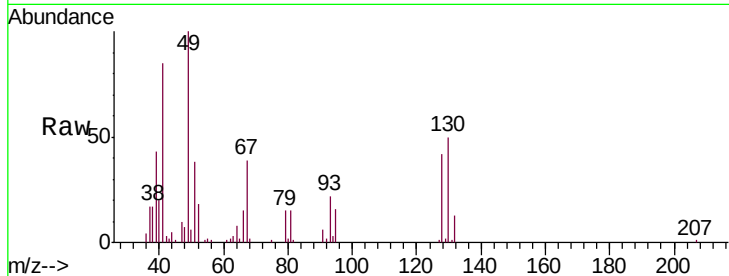




#41
Methacrylonitrile
Concen: 19.077 ug/l
RT: 5.08 min Scan# 494
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

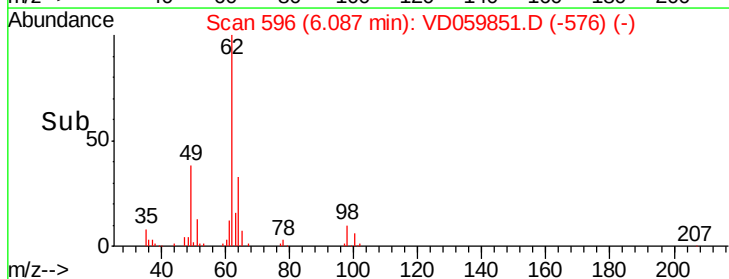
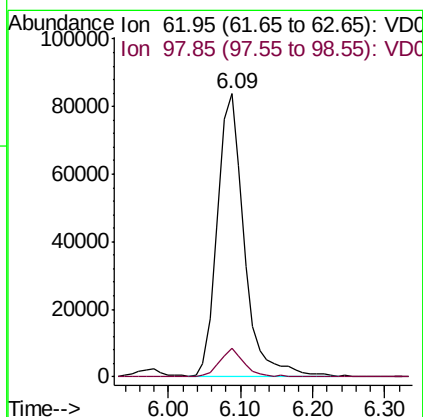
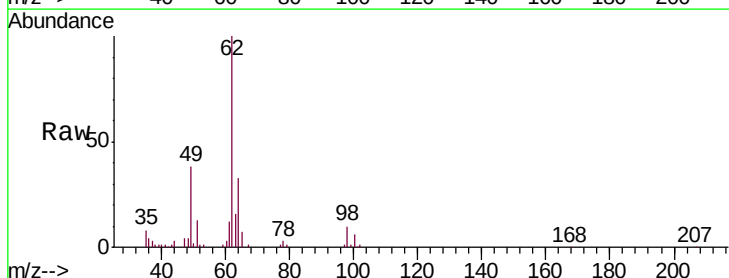
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

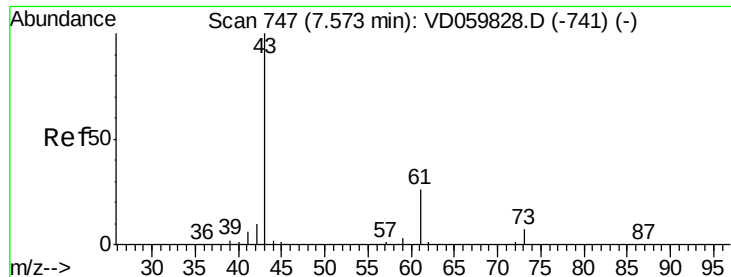
Tgt Ion:	41	Resp:	94506
Ion	Ratio	Lower	Upper
41	100		
39	50.9	43.0	64.6
67	45.9	36.7	55.1
52	21.5	18.0	27.0



#42
1,2-Dichloroethane
Concen: 19.665 ug/l
RT: 6.09 min Scan# 596
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion:	62	Resp:	216414
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4





#43

Isopropyl Acetate

Concen: 18.843 ug/l

RT: 7.57 min Scan# 747

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

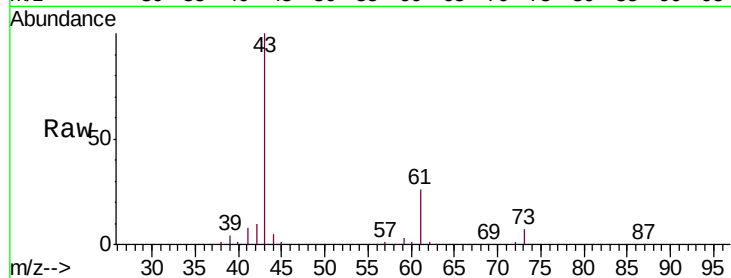
Tgt Ion: 43 Resp: 252023

Ion Ratio Lower Upper

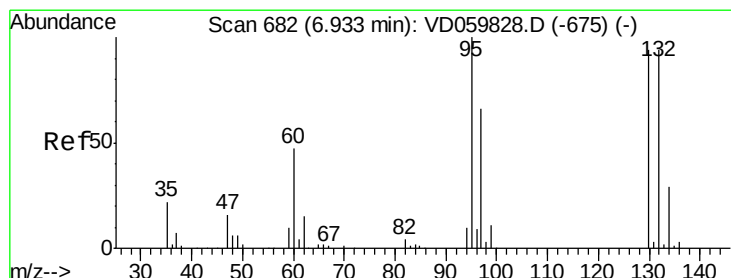
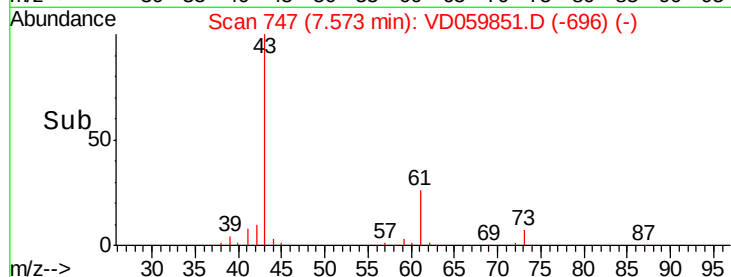
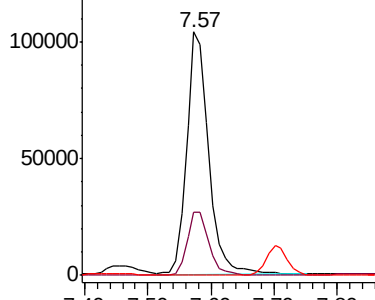
43 100

61 26.1 21.0 31.4

87 0.3 0.2 0.4



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



#44

Trichloroethene

Concen: 20.526 ug/l

RT: 6.94 min Scan# 683

Delta R.T. 0.01 min

Lab File: VD059851.D

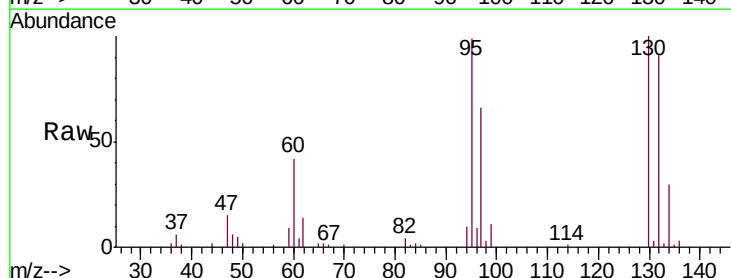
Acq: 21 Aug 2018 13:04

Tgt Ion: 130 Resp: 206322

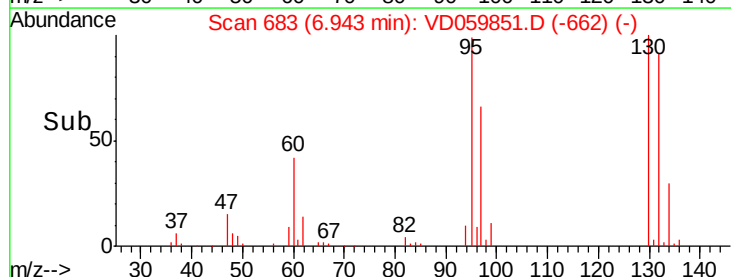
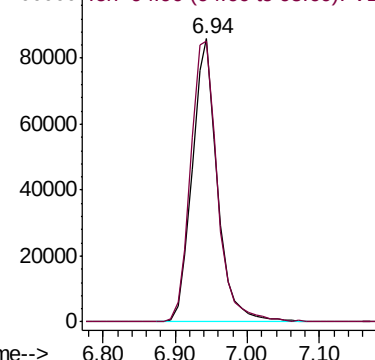
Ion Ratio Lower Upper

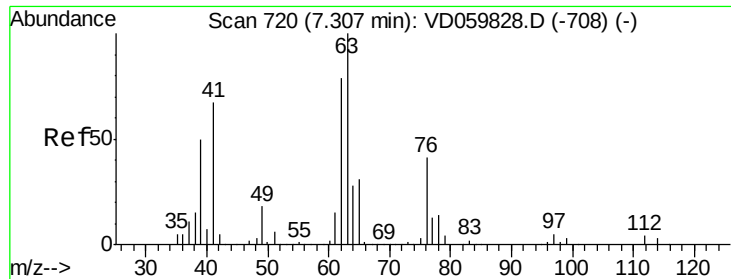
130 100

95 99.4 0.0 213.0



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

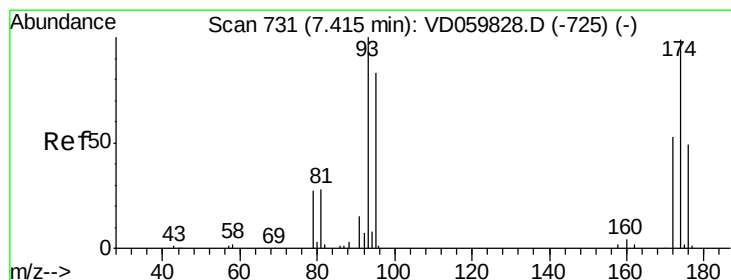
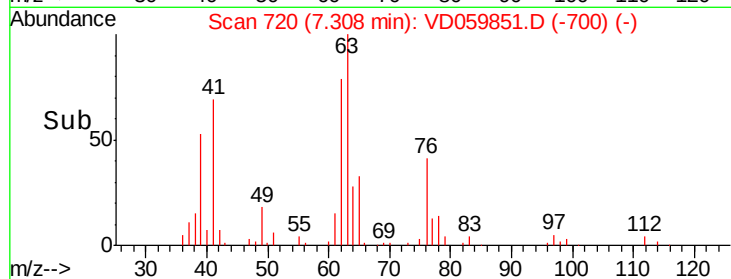
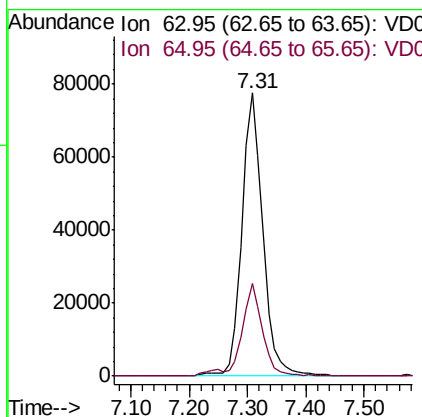
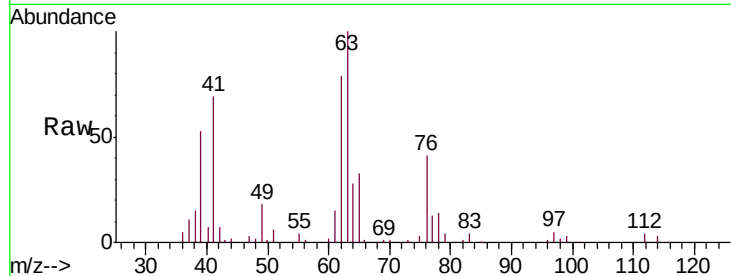




#45
 1,2-Dichloropropane
 Concen: 19.642 ug/l
 RT: 7.31 min Scan# 720
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

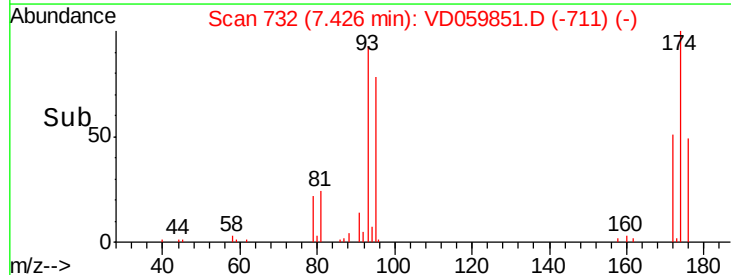
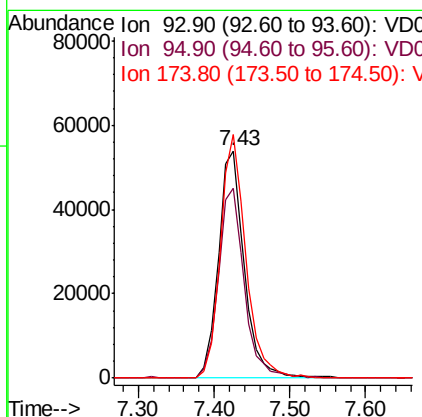
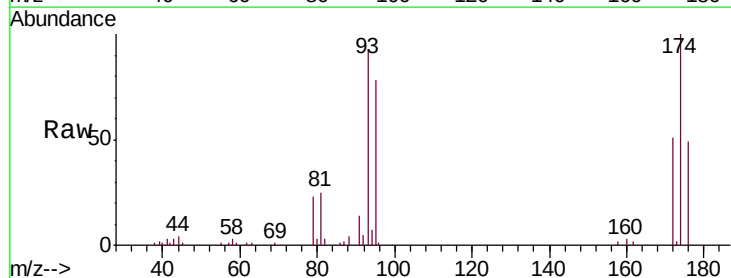
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

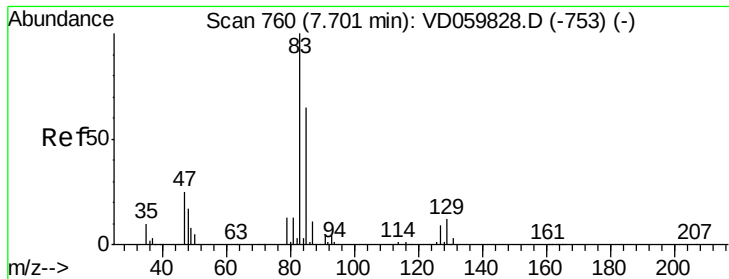
Tgt Ion: 63 Resp: 194933
 Ion Ratio Lower Upper
 63 100
 65 33.0 24.5 36.7



#46
 Dibromomethane
 Concen: 20.680 ug/l
 RT: 7.43 min Scan# 732
 Delta R.T. 0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 93 Resp: 127783
 Ion Ratio Lower Upper
 93 100
 95 83.3 66.3 99.5
 174 107.2 79.4 119.0





#47

Bromodichloromethane

Concen: 20.638 ug/l

RT: 7.70 min Scan# 760

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

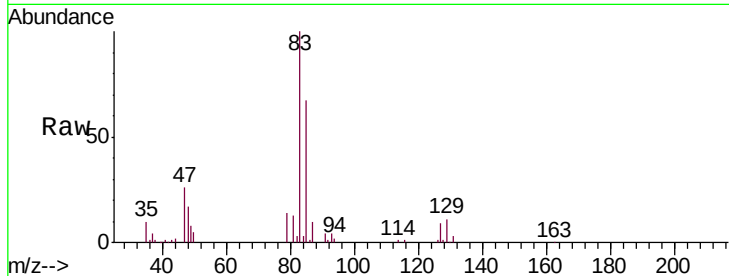
Tgt Ion: 83 Resp: 281558

Ion Ratio Lower Upper

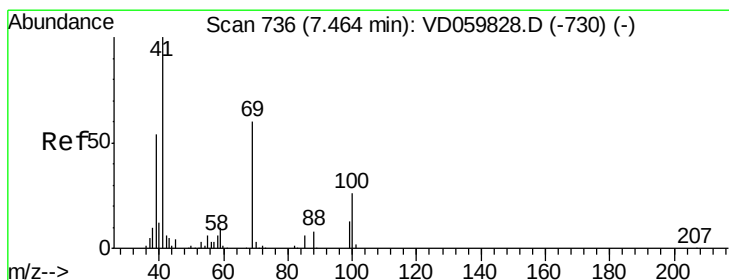
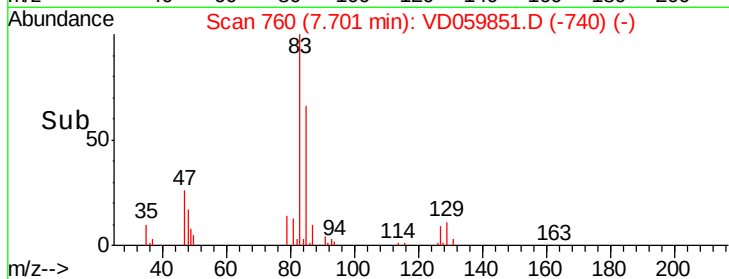
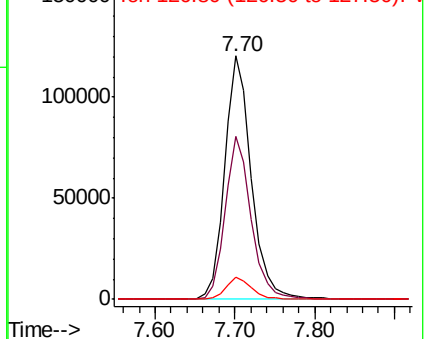
83 100

85 66.7 52.2 78.4

127 9.3 7.1 10.7



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



#48

Methyl methacrylate

Concen: 20.229 ug/l

RT: 7.47 min Scan# 736

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

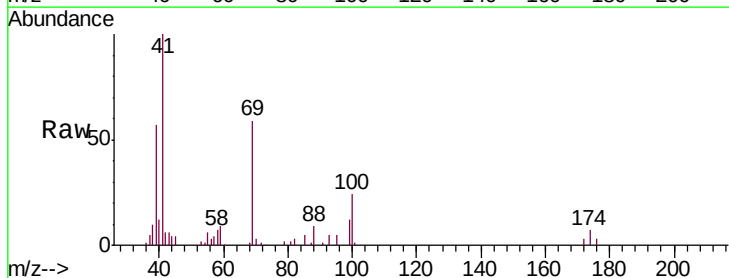
Tgt Ion: 41 Resp: 149225

Ion Ratio Lower Upper

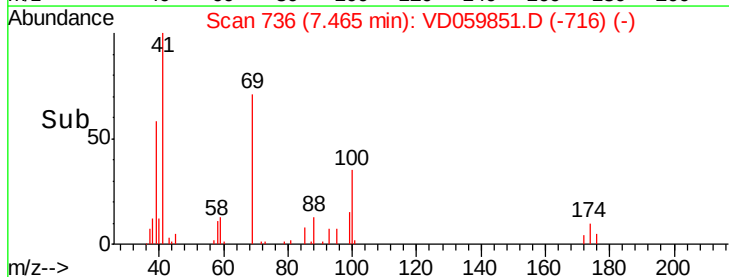
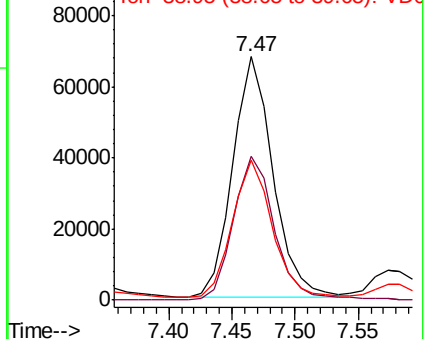
41 100

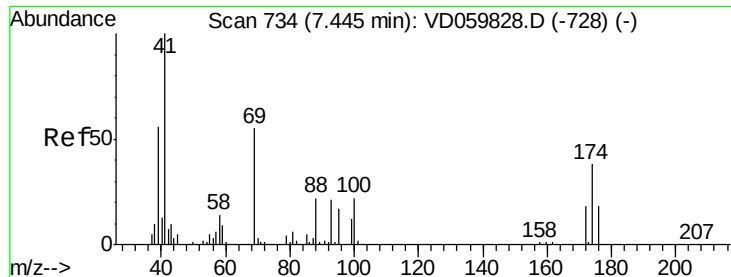
69 59.3 47.0 70.4

39 57.3 43.4 65.2



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

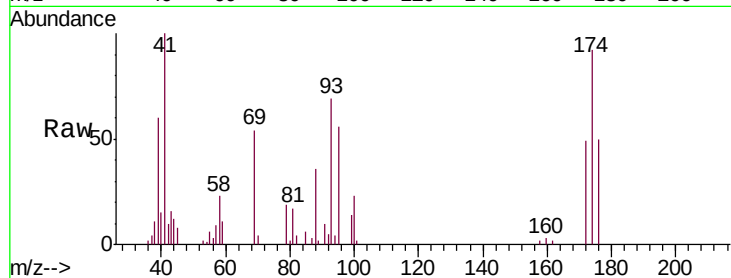




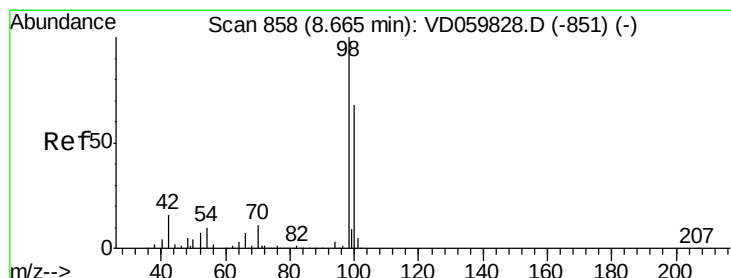
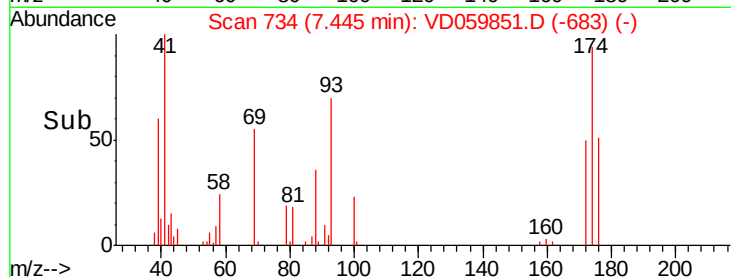
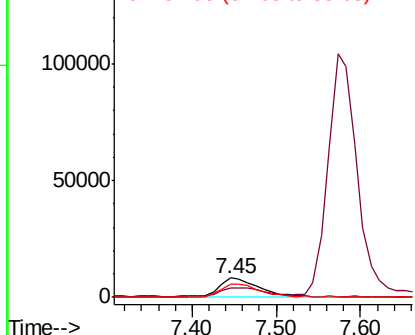
#49
 1,4-Dioxane
 Concen: 439.015 ug/l
 RT: 7.45 min Scan# 734
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tgt Ion: 88 Resp: 27406
 Ion Ratio Lower Upper
 88 100
 43 46.0 41.4 62.0
 58 65.3 52.4 78.6

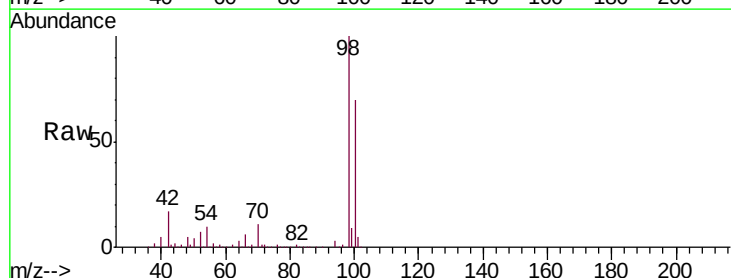


Abundance Ion 88.00 (87.70 to 88.70): VDC
 Ion 43.05 (42.75 to 43.75): VDC
 Ion 57.95 (57.65 to 58.65): VDC

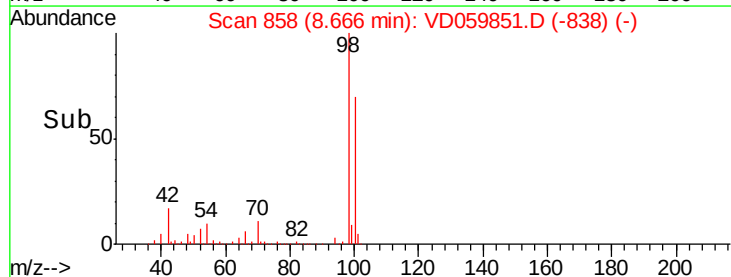
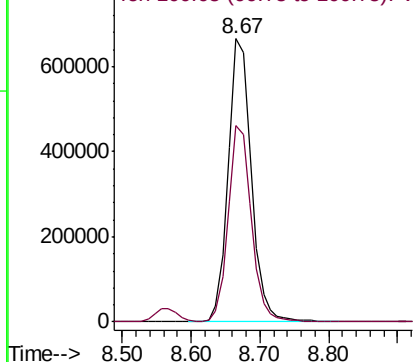


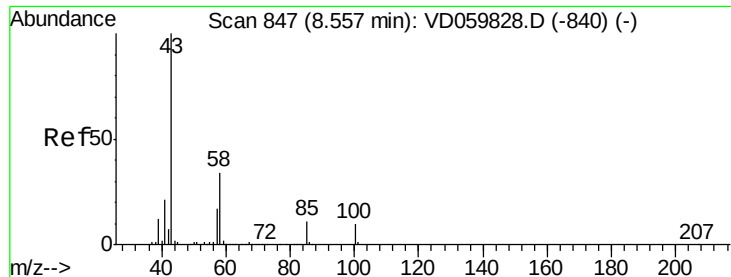
#50
 Toluene-d8
 Concen: 439.015 ug/l
 RT: 8.67 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 98 Resp: 1549225
 Ion Ratio Lower Upper
 98 100
 100 69.5 55.0 82.4



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





#51

4-Methyl-2-Pentanone

Concen: 93.113 ug/l

RT: 8.56 min Scan# 847

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

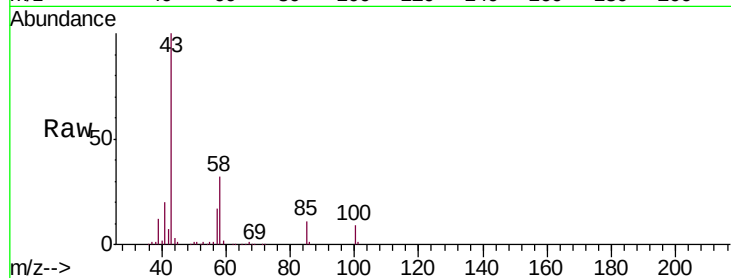
VD0821SBSD01

Tgt Ion: 43 Resp: 832615

Ion Ratio Lower Upper

43 100

58 31.7 27.0 40.4



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC

8.56

400000

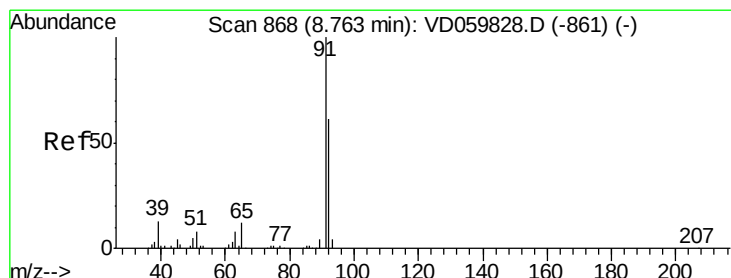
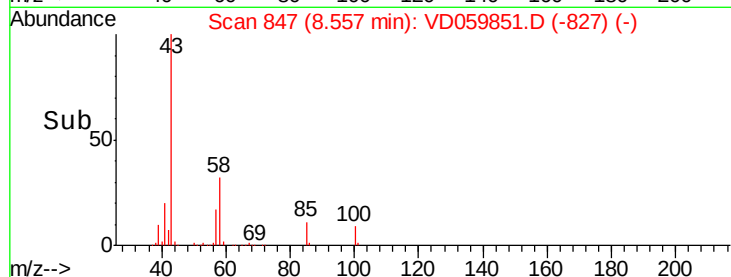
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.500 ug/l

RT: 8.76 min Scan# 868

Delta R.T. 0.00 min

Lab File: VD059851.D

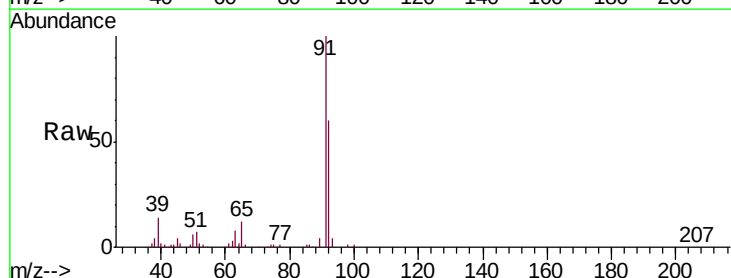
Acq: 21 Aug 2018 13:04

Tgt Ion: 92 Resp: 438100

Ion Ratio Lower Upper

92 100

91 166.3 131.7 197.5



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

8.76

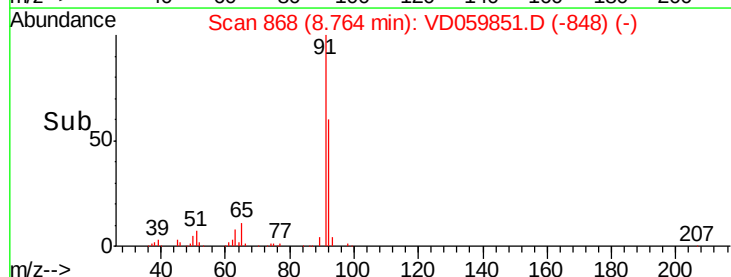
300000

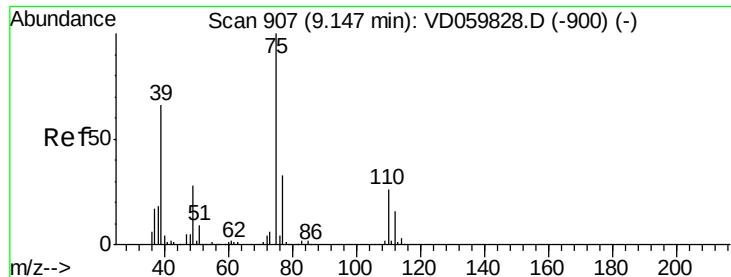
200000

100000

0

Time-->

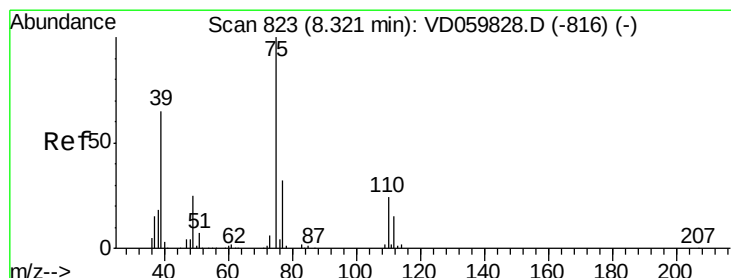
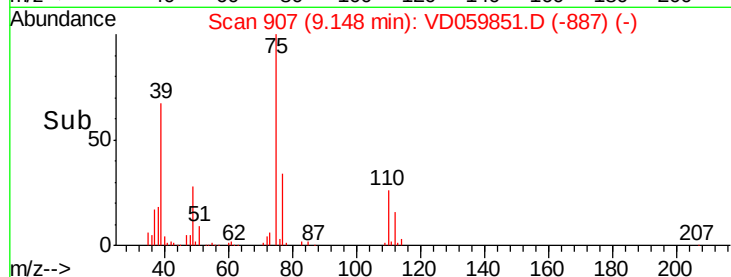
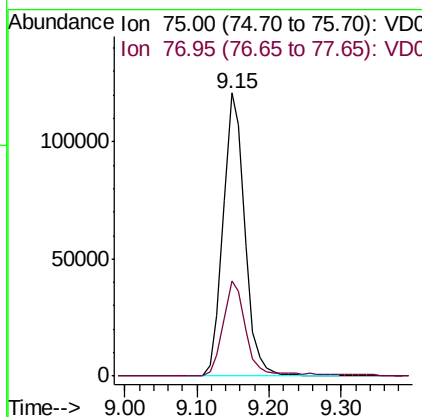
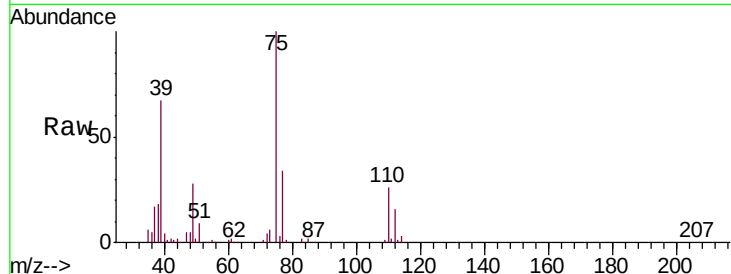




#53
 t-1,3-Dichloropropene
 Concen: 20.143 ug/l
 RT: 9.15 min Scan# 907
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

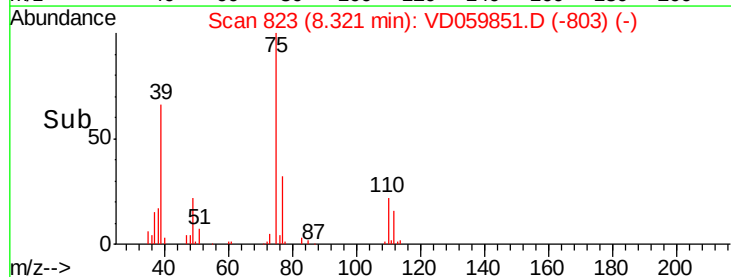
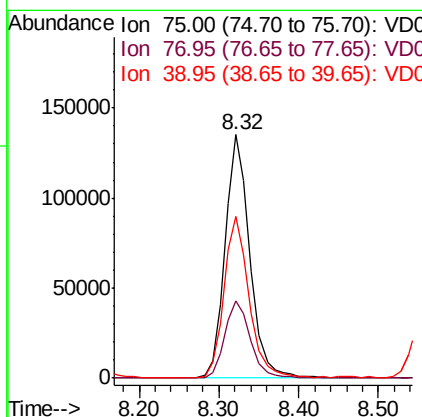
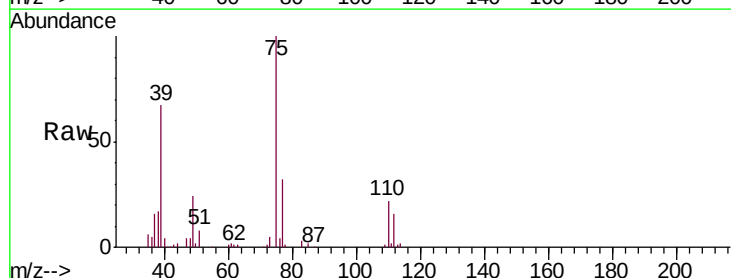
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

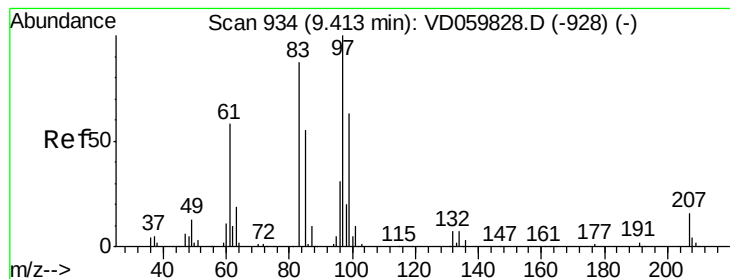
Tgt Ion: 75 Resp: 250330
 Ion Ratio Lower Upper
 75 100
 77 33.7 26.3 39.5



#54
 cis-1,3-Dichloropropene
 Concen: 19.832 ug/l
 RT: 8.32 min Scan# 823
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 75 Resp: 295166
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.8 38.8
 39 66.7 52.2 78.4





#55

1,1,2-Trichloroethane

Concen: 20.766 ug/l

RT: 9.41 min Scan# 934

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

Tgt Ion: 97 Resp: 160204

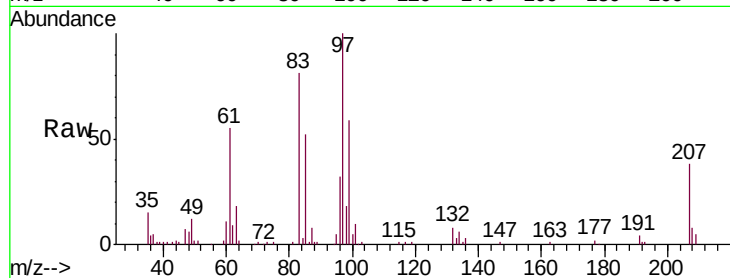
Ion Ratio Lower Upper

97 100

83 81.2 69.2 103.8

85 52.2 44.3 66.5

99 59.1 50.6 76.0

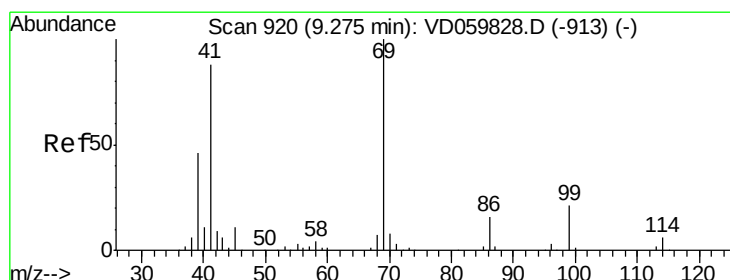
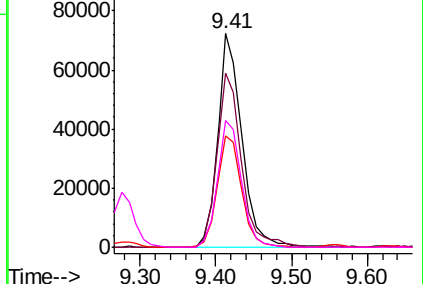
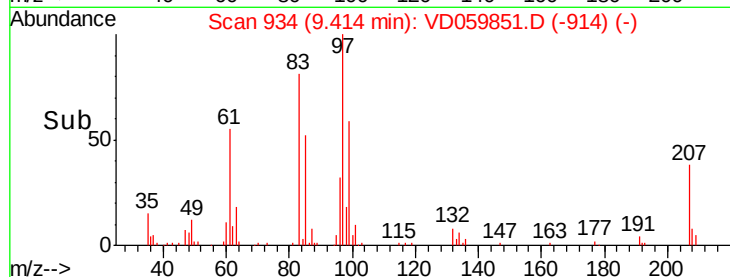


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 20.105 ug/l

RT: 9.28 min Scan# 920

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

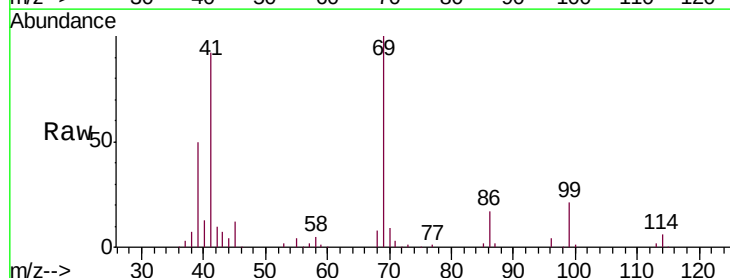
Tgt Ion: 69 Resp: 178849

Ion Ratio Lower Upper

69 100

41 92.1 71.0 106.4

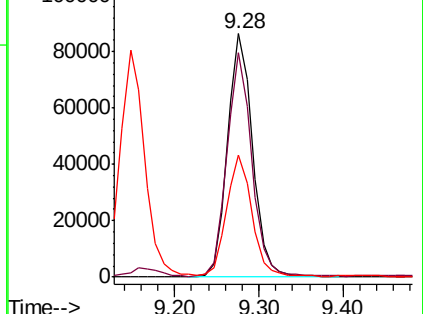
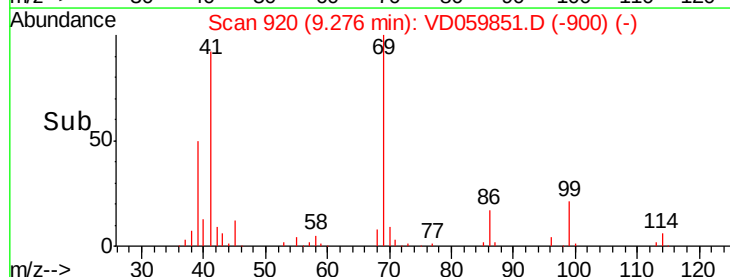
39 50.0 38.0 57.0

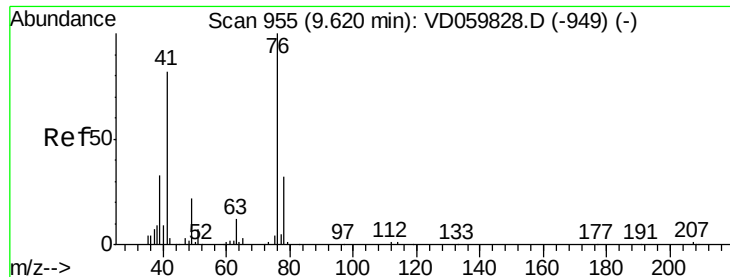


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

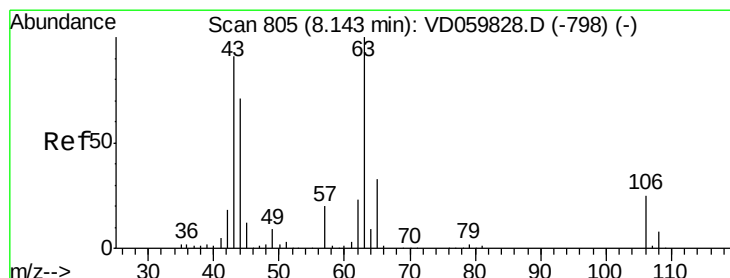
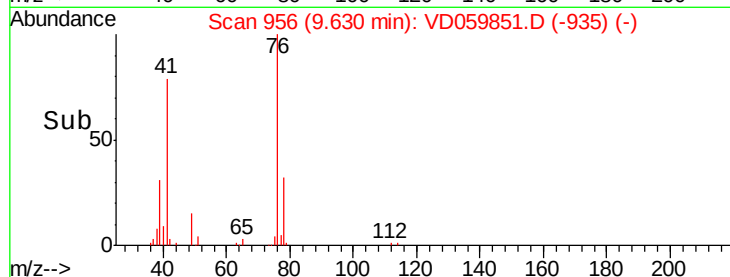
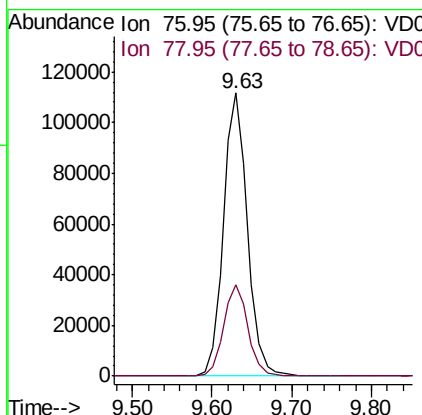
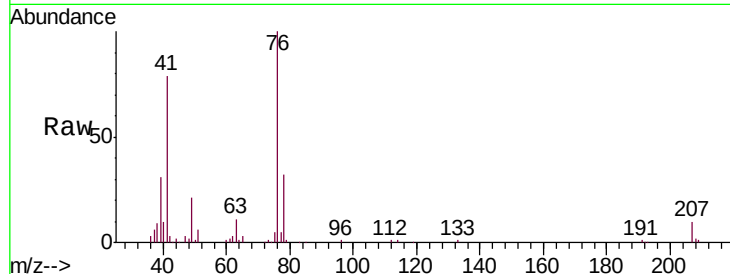




#57
 1,3-Dichloropropane
 Concen: 20.898 ug/l
 RT: 9.63 min Scan# 956
 Delta R.T. 0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

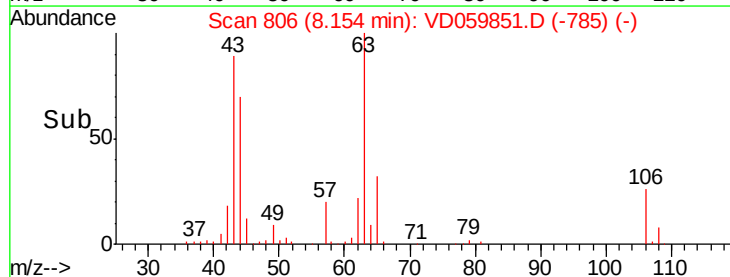
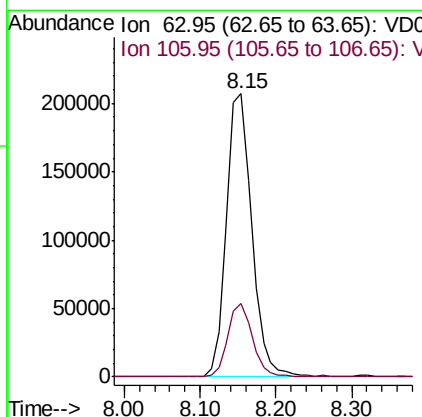
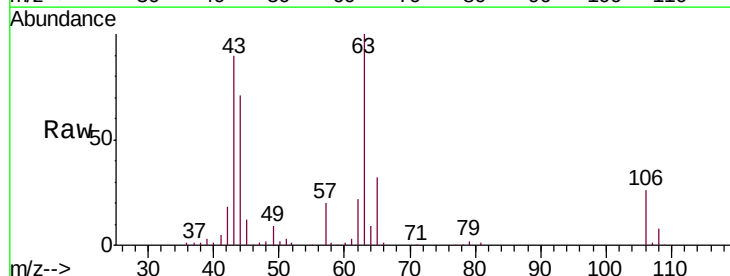
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

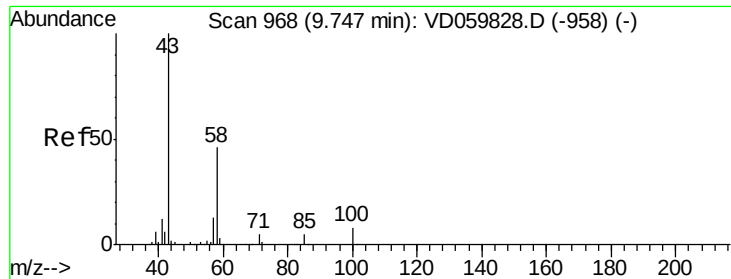
Tgt Ion: 76 Resp: 235721
 Ion Ratio Lower Upper
 76 100
 78 32.3 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.808 ug/l
 RT: 8.15 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 63 Resp: 481165
 Ion Ratio Lower Upper
 63 100
 106 25.8 19.6 29.4

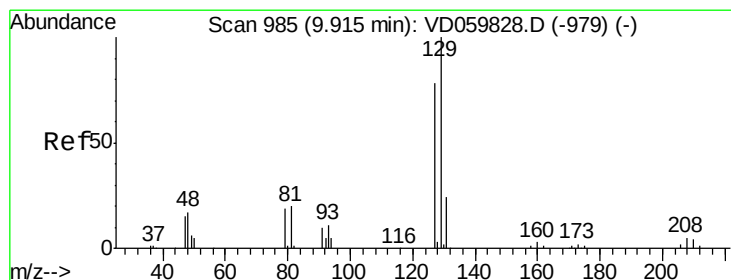
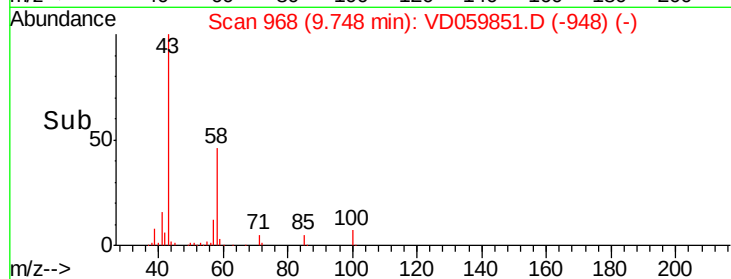
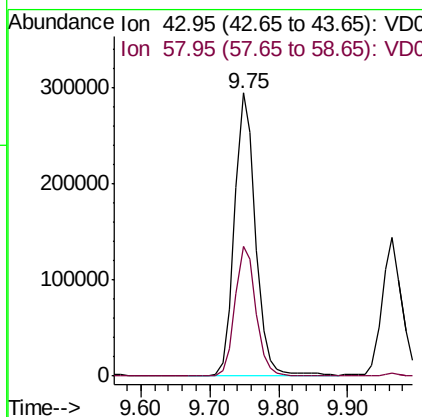
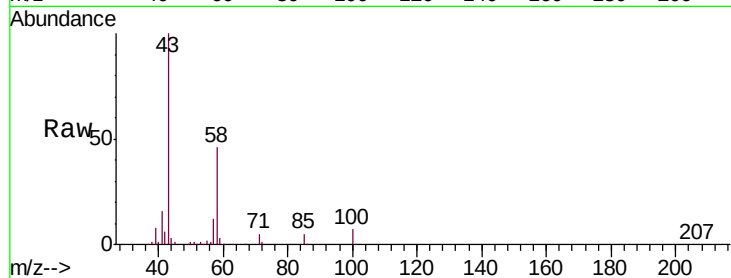




#59
2-Hexanone
Concen: 93.661 ug/l
RT: 9.75 min Scan# 968
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

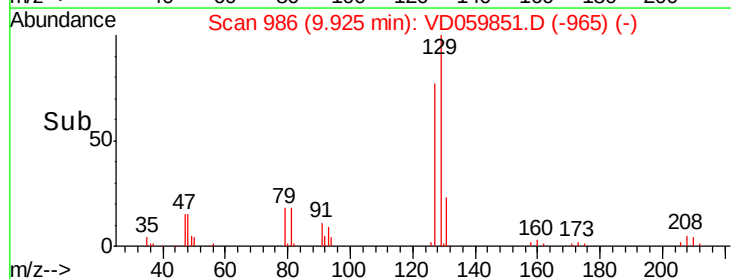
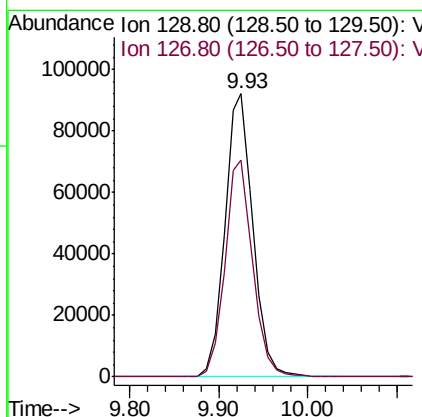
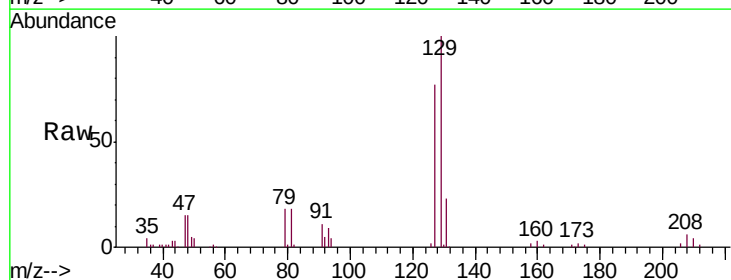
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

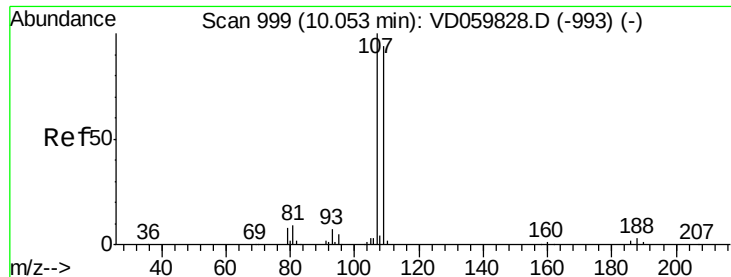
Tgt Ion: 43 Resp: 619056
Ion Ratio Lower Upper
43 100
58 45.8 23.1 69.2



#60
Dibromochloromethane
Concen: 20.344 ug/l
RT: 9.93 min Scan# 986
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion: 129 Resp: 202097
Ion Ratio Lower Upper
129 100
127 76.6 39.0 116.9





#61

1,2-Dibromoethane

Concen: 19.376 ug/l

RT: 10.05 min Scan# 999

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

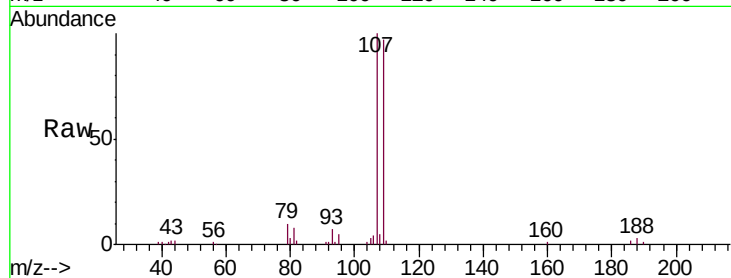
VD0821SBSD01

Tgt Ion: 107 Resp: 159726

Ion Ratio Lower Upper

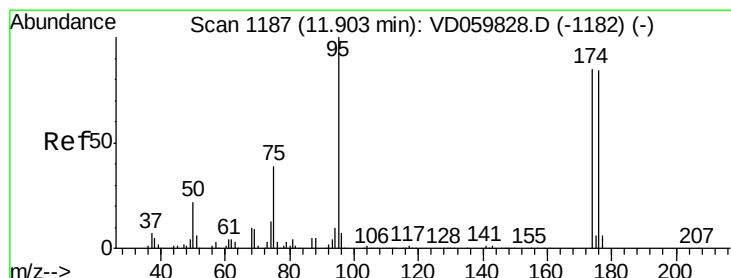
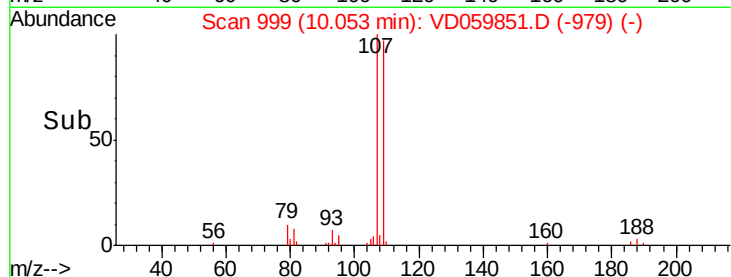
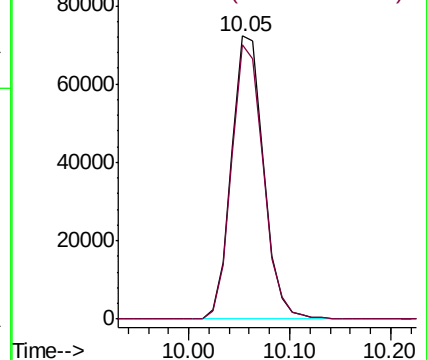
107 100

109 97.0 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 19.376 ug/l

RT: 11.90 min Scan# 1187

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

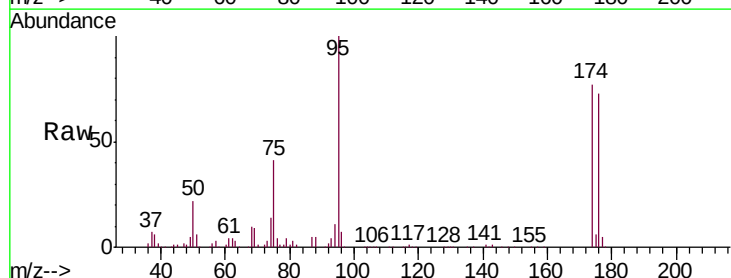
Tgt Ion: 95 Resp: 603907

Ion Ratio Lower Upper

95 100

174 77.0 0.0 169.2

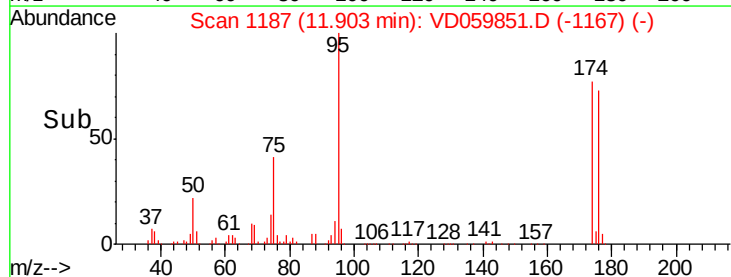
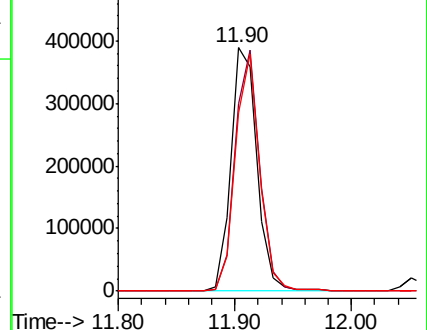
176 73.2 0.0 168.0

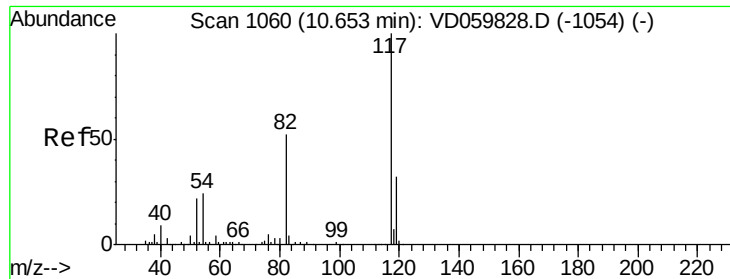


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

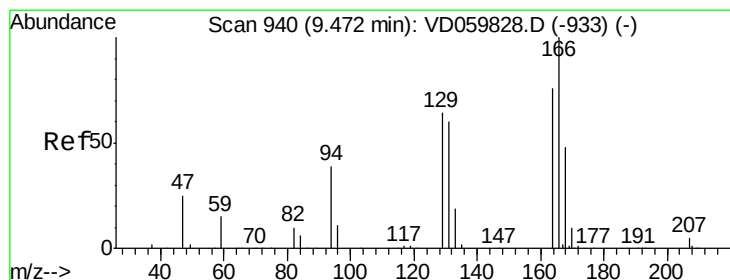
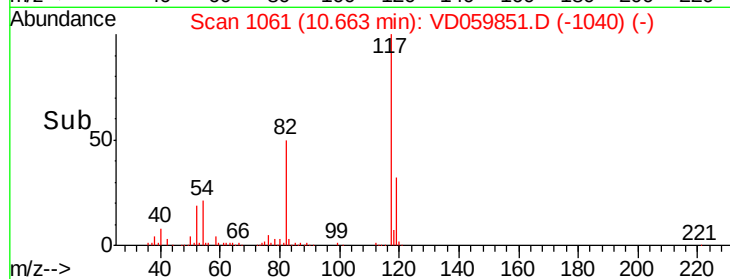
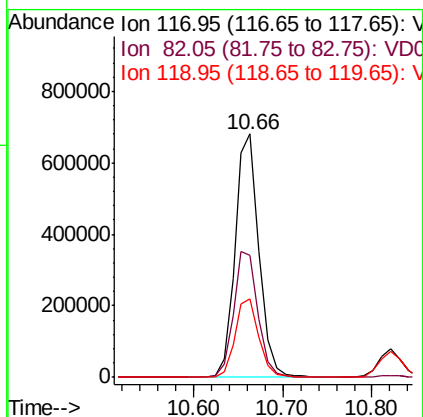
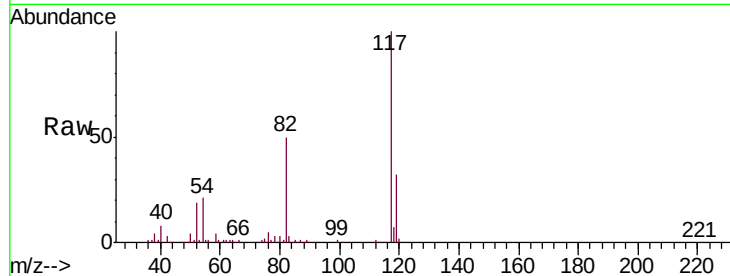




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.66 min Scan# 1061
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

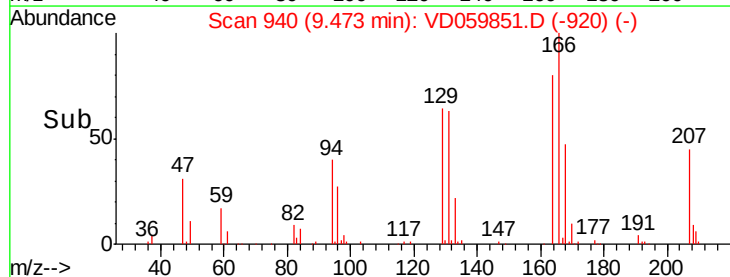
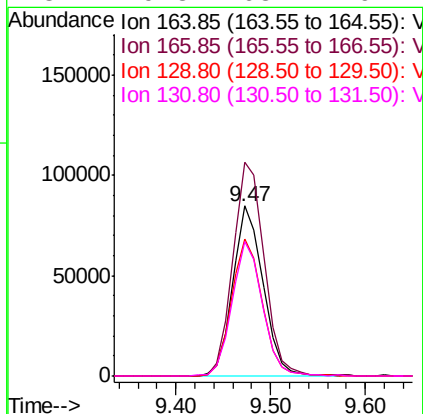
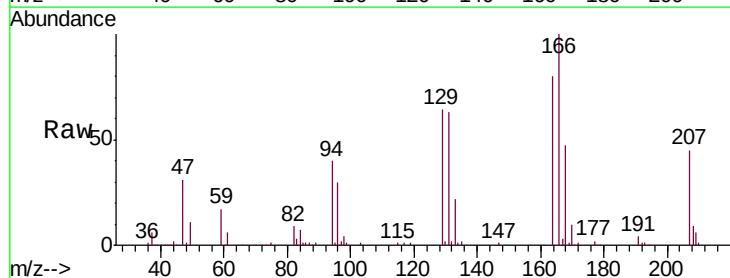
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

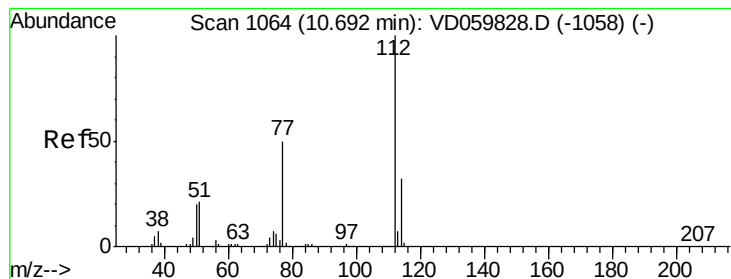
Tgt Ion:117 Resp: 1266007
Ion Ratio Lower Upper
117 100
82 50.2 41.6 62.4
119 32.4 25.6 38.4



#64
Tetrachloroethene
Concen: 20.269 ug/l
RT: 9.47 min Scan# 940
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion:164 Resp: 187884
Ion Ratio Lower Upper
164 100
166 125.5 104.9 157.3
129 80.2 66.7 100.1
131 79.3 63.1 94.7





#65

Chlorobenzene

Concen: 20.622 ug/l

RT: 10.69 min Scan# 1064

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

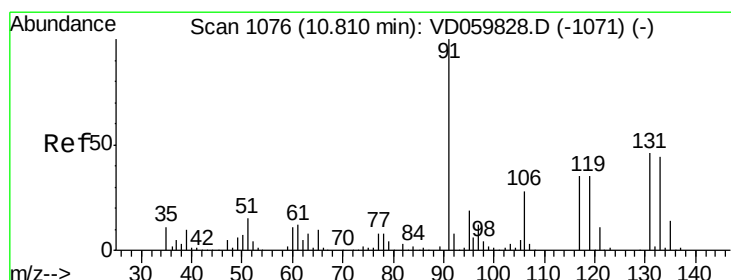
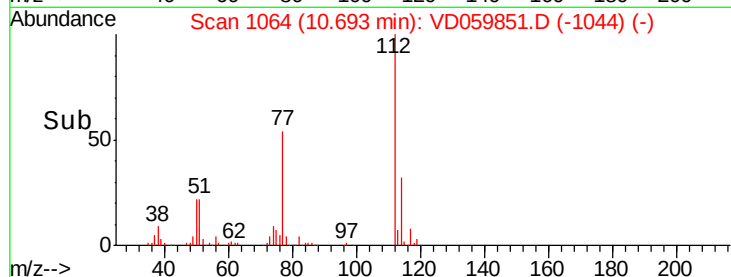
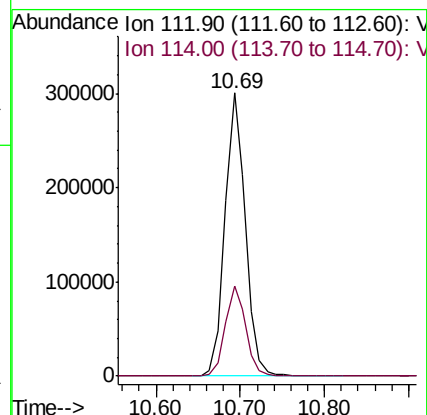
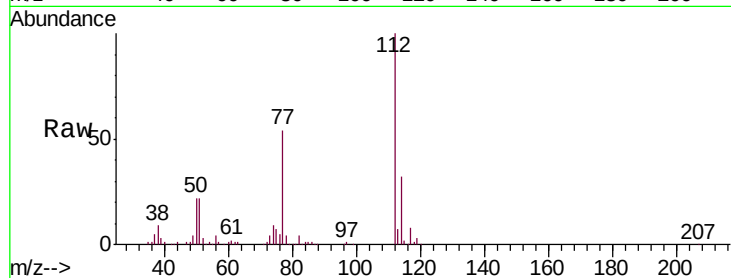
VD0821SBSD01

Tgt Ion:112 Resp: 503520

Ion Ratio Lower Upper

112 100

114 31.9 25.7 38.5



#66

1,1,1,2-Tetrachloroethane

Concen: 21.778 ug/l

RT: 10.82 min Scan# 1077

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

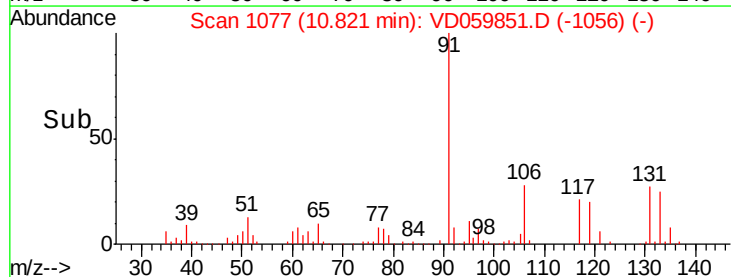
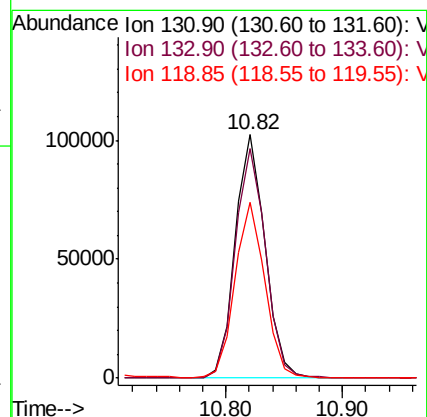
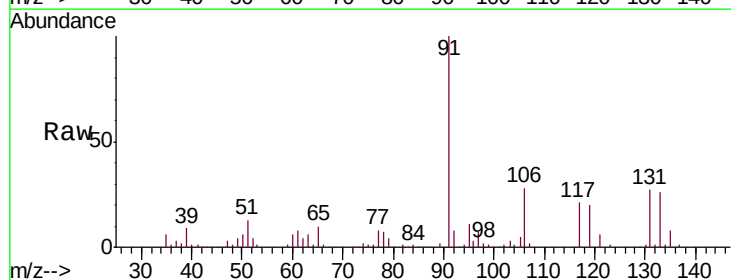
Tgt Ion:131 Resp: 181488

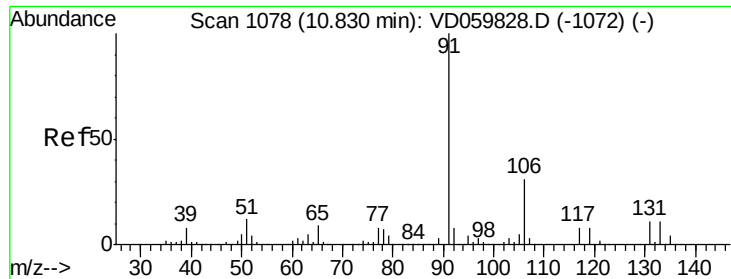
Ion Ratio Lower Upper

131 100

133 94.3 47.1 141.4

119 72.0 37.5 112.7

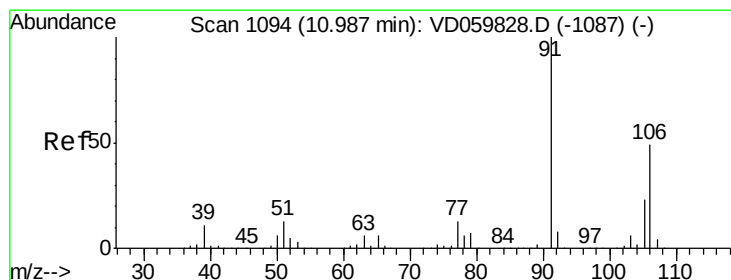
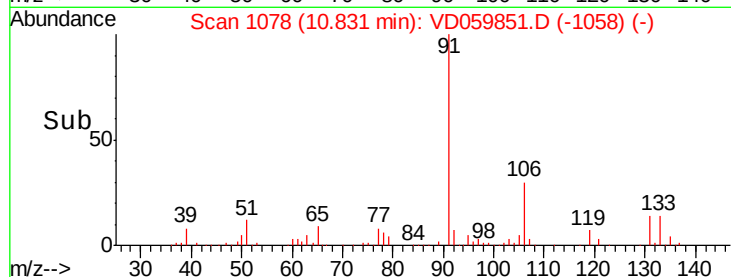
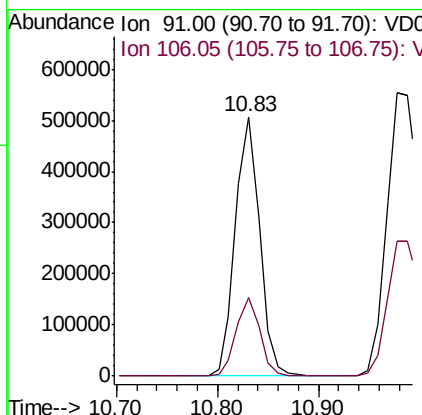
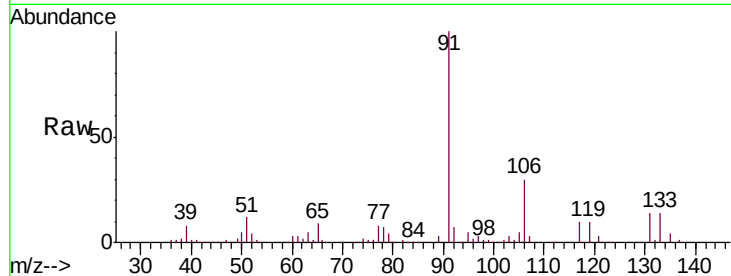




#67
 Ethyl Benzene
 Concen: 19.540 ug/l
 RT: 10.83 min Scan# 1078
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

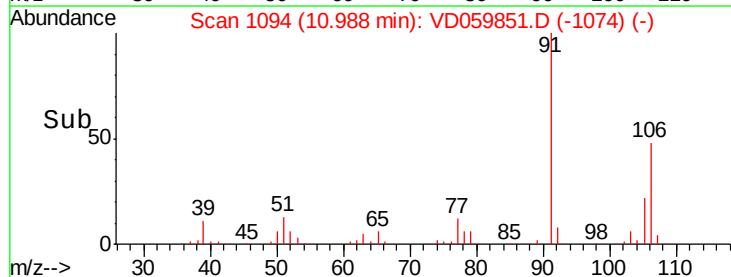
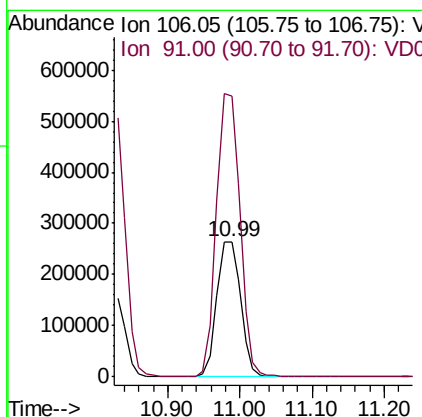
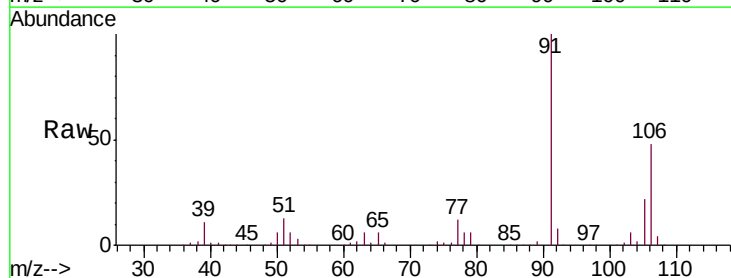
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

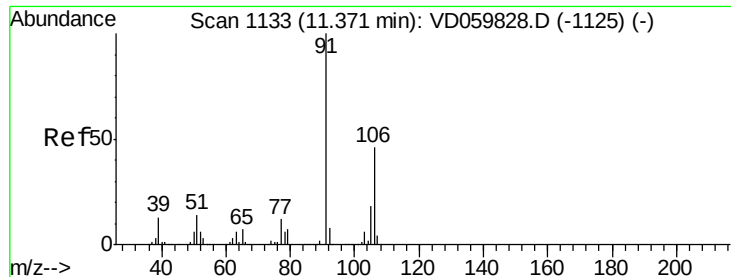
Tgt Ion: 91 Resp: 855292
 Ion Ratio Lower Upper
 91 100
 106 30.4 25.1 37.7



#68
 m/p-Xylenes
 Concen: 37.476 ug/l
 RT: 10.99 min Scan# 1094
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 106 Resp: 602622
 Ion Ratio Lower Upper
 106 100
 91 207.2 161.8 242.8

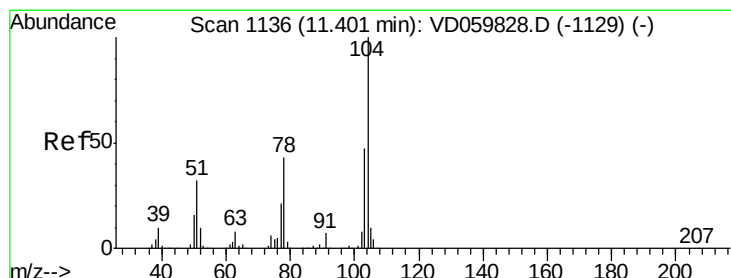
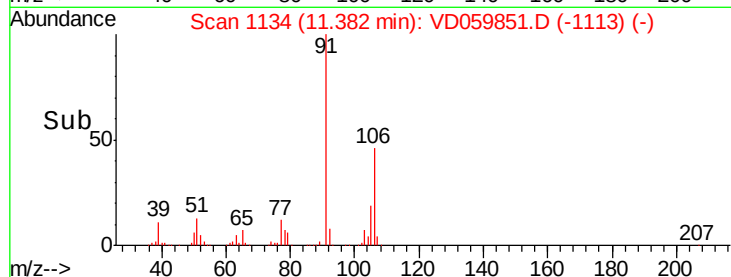
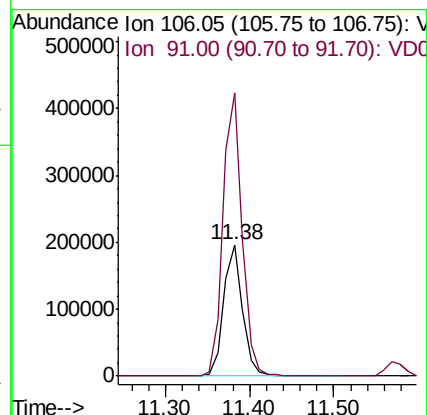
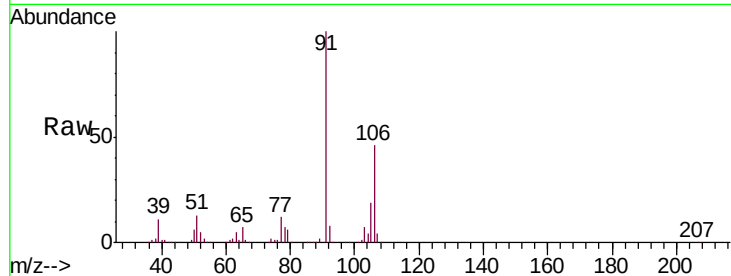




#69
o-Xylene
Concen: 21.523 ug/l
RT: 11.38 min Scan# 1134
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

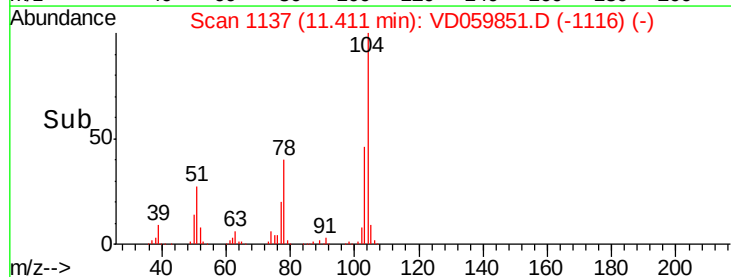
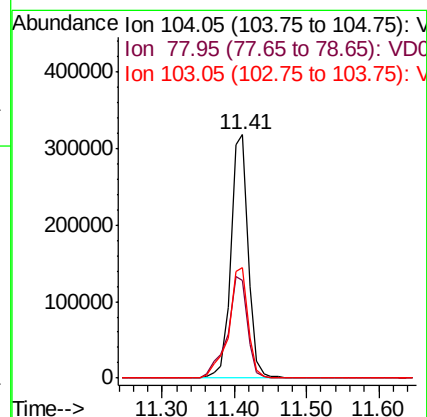
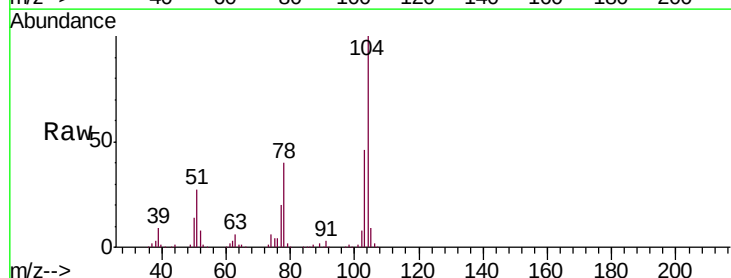
Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

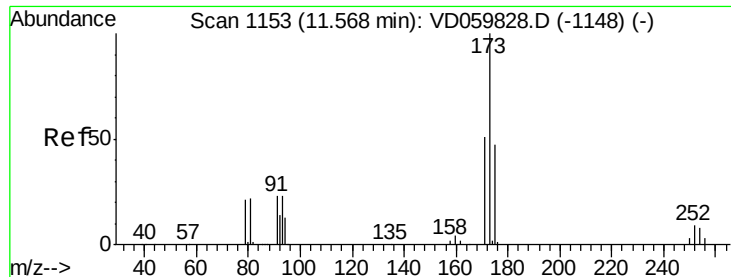
Tgt Ion:106 Resp: 304512
Ion Ratio Lower Upper
106 100
91 215.4 108.5 325.3



#70
Styrene
Concen: 21.429 ug/l
RT: 11.41 min Scan# 1137
Delta R.T. 0.01 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion:104 Resp: 527920
Ion Ratio Lower Upper
104 100
78 40.2 34.6 52.0
103 45.6 37.8 56.6





#71

Bromoform

Concen: 19.357 ug/l

RT: 11.58 min Scan# 1154

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

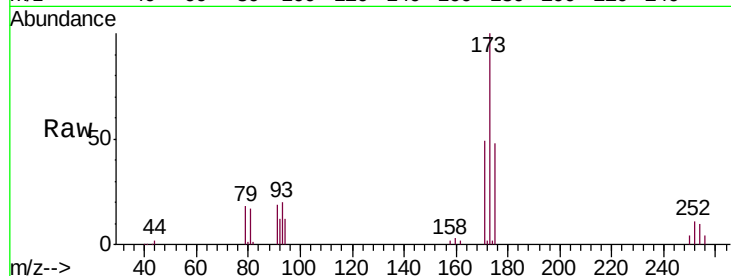
Tgt Ion:173 Resp: 144957

Ion Ratio Lower Upper

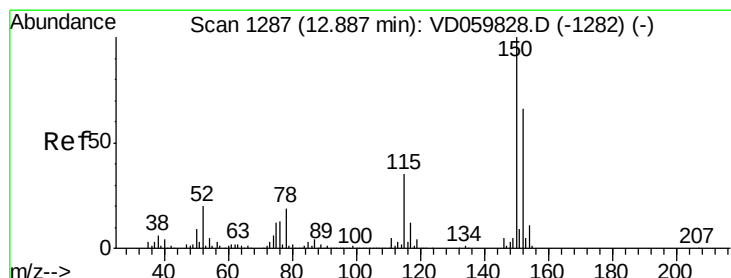
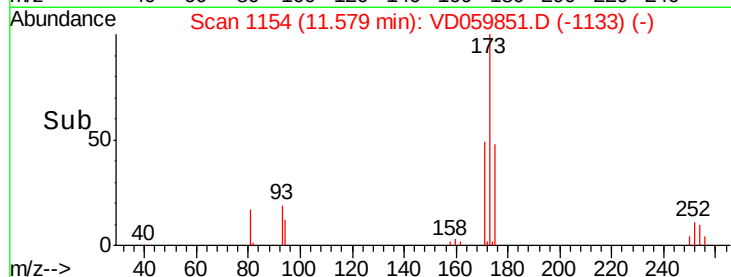
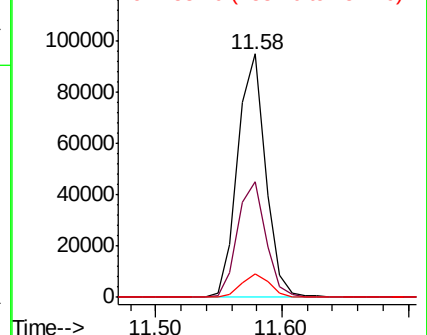
173 100

175 47.6 23.7 71.1

254 9.8 6.7 10.1



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.89 min Scan# 1287

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

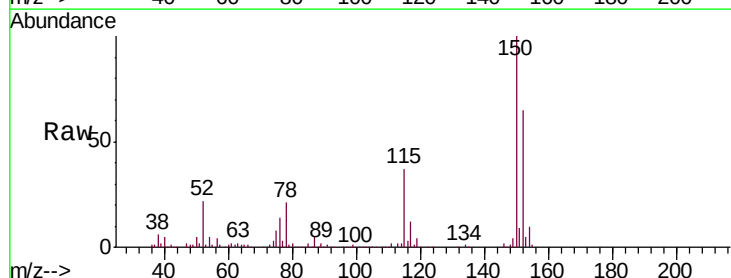
Tgt Ion:152 Resp: 613147

Ion Ratio Lower Upper

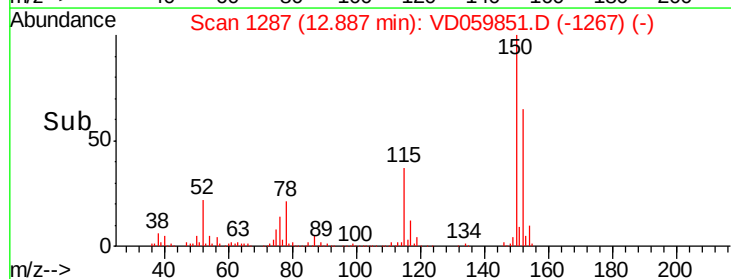
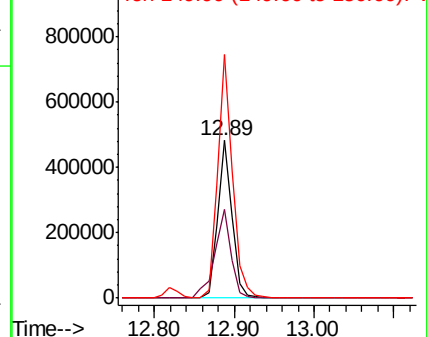
152 100

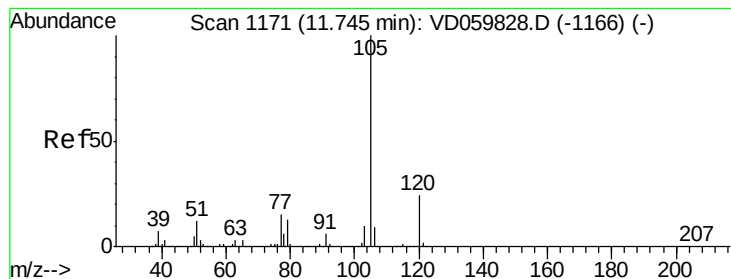
115 56.5 26.9 80.6

150 154.3 0.0 306.8



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





#73

Isopropylbenzene

Concen: 19.849 ug/l

RT: 11.75 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

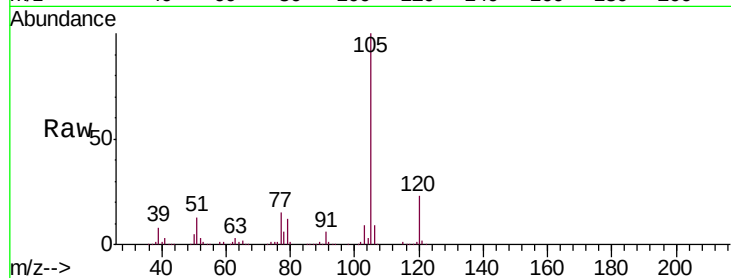
VD0821SBS01

Tgt Ion: 105 Resp: 829383

Ion Ratio Lower Upper

105 100

120 22.7 11.9 35.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V

11.75

600000

500000

400000

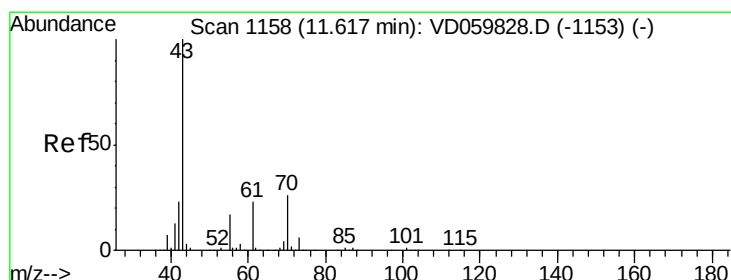
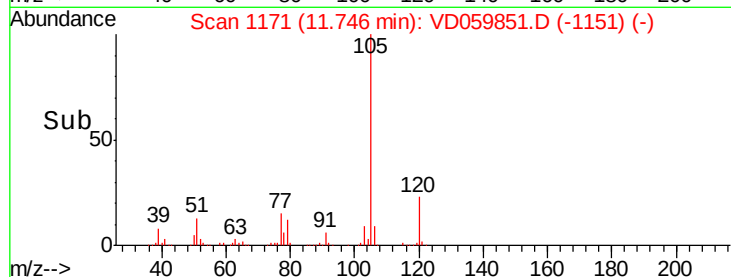
300000

200000

100000

0

Time-->



#74

N-ethyl acetate

Concen: 18.728 ug/l

RT: 11.62 min Scan# 1158

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Tgt Ion: 43 Resp: 350412

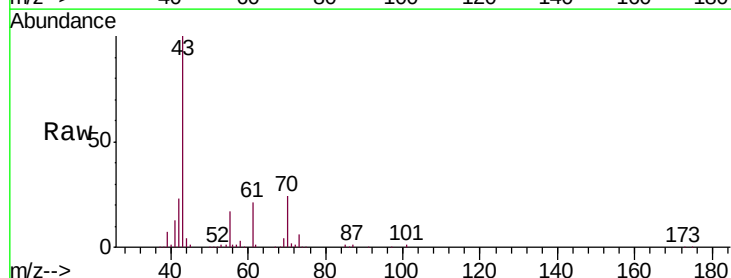
Ion Ratio Lower Upper

43 100

70 24.2 20.5 30.7

55 17.1 13.7 20.5

61 21.1 18.0 27.0



Abundance Ion 42.95 (42.65 to 43.65): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 60.95 (60.65 to 61.65): V

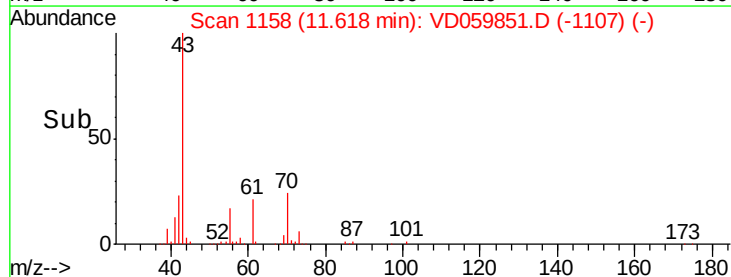
300000

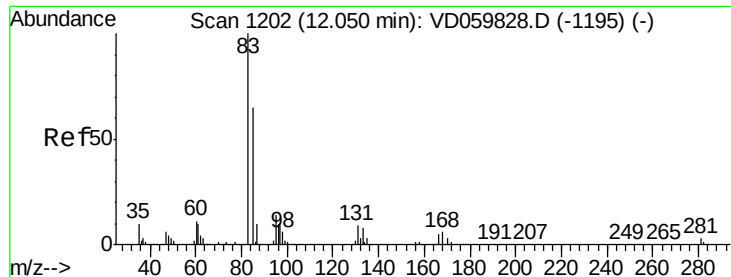
200000

100000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 19.314 ug/l

RT: 12.05 min Scan# 1202

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBS01

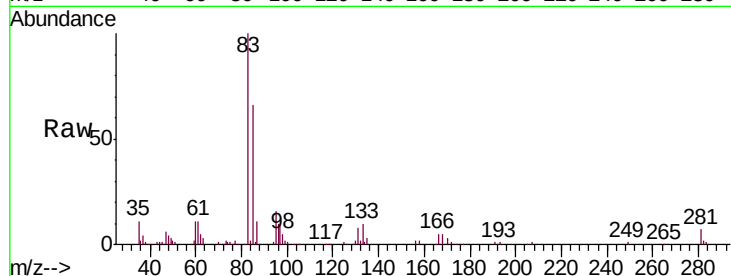
Tgt Ion: 83 Resp: 190223

Ion Ratio Lower Upper

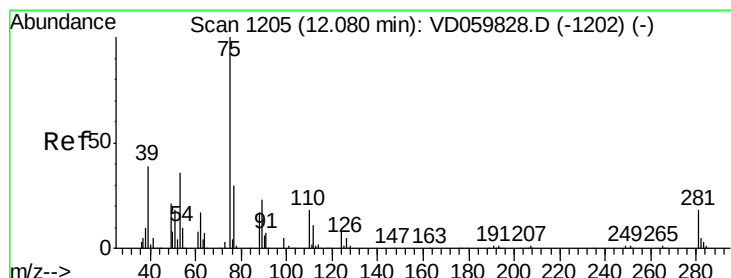
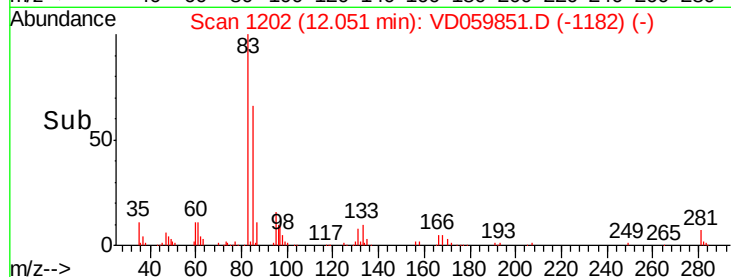
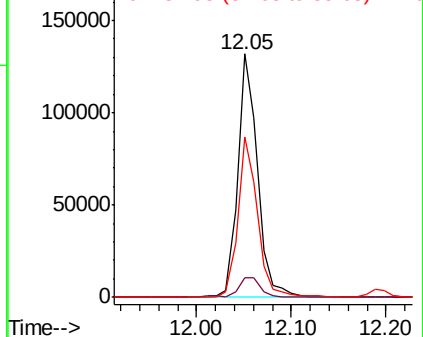
83 100

131 8.3 4.3 13.1

85 65.7 32.5 97.5



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: 18.456 ug/l

RT: 12.09 min Scan# 1206

Delta R.T. 0.01 min

Lab File: VD059851.D

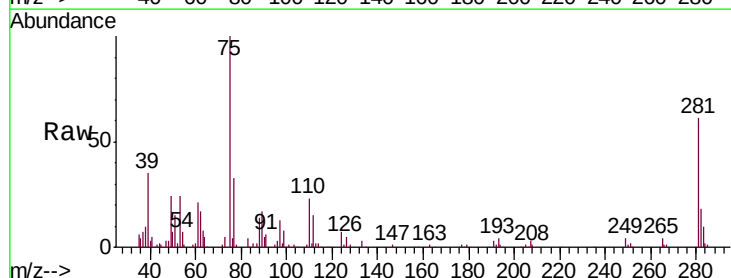
Acq: 21 Aug 2018 13:04

Tgt Ion: 75 Resp: 187213

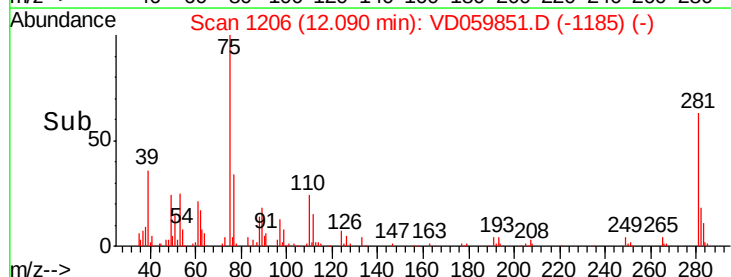
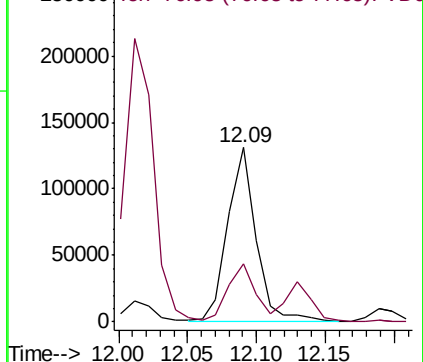
Ion Ratio Lower Upper

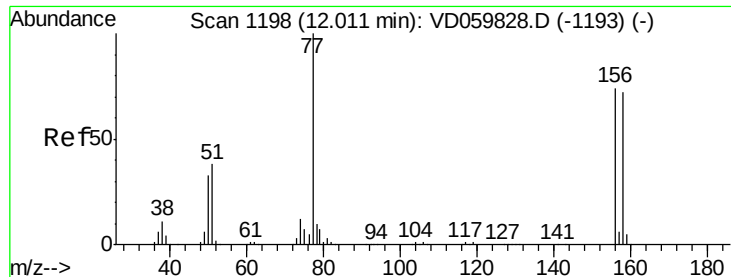
75 100

77 33.4 16.0 47.9



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





#77

Bromobenzene

Concen: 20.713 ug/l

RT: 12.02 min Scan# 1199

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

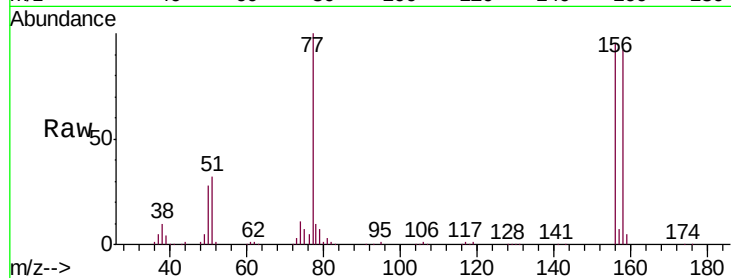
Tgt Ion:156 Resp: 240564

Ion Ratio Lower Upper

156 100

77 105.8 68.0 204.0

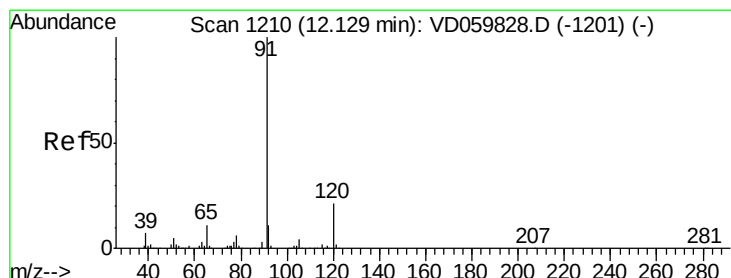
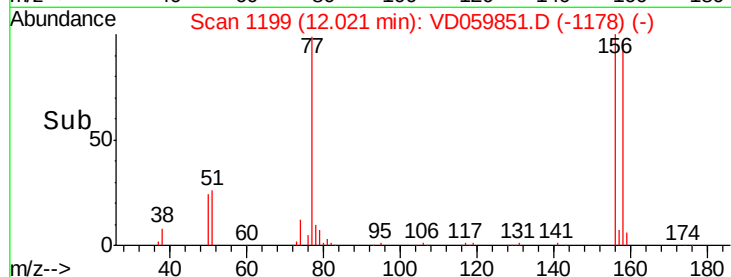
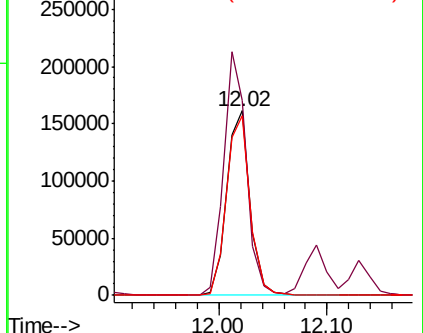
158 97.3 48.9 146.8



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: 21.190 ug/l

RT: 12.13 min Scan# 1210

Delta R.T. 0.00 min

Lab File: VD059851.D

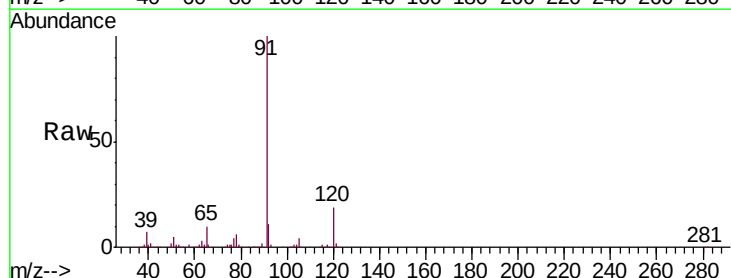
Acq: 21 Aug 2018 13:04

Tgt Ion: 91 Resp: 1099765

Ion Ratio Lower Upper

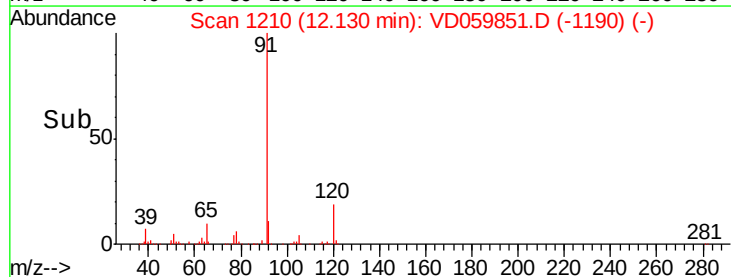
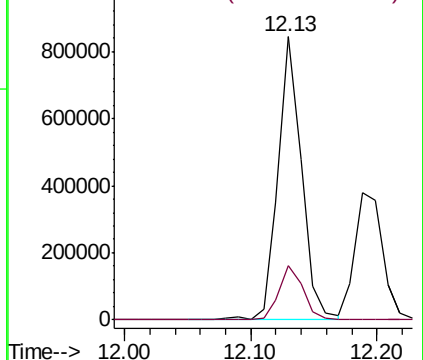
91 100

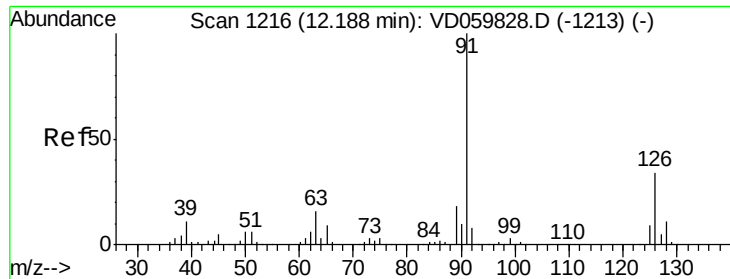
120 19.4 10.5 31.5



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

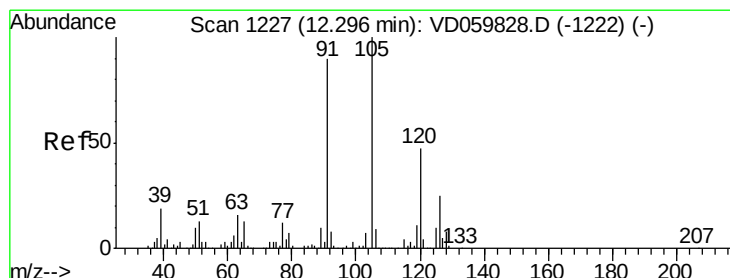
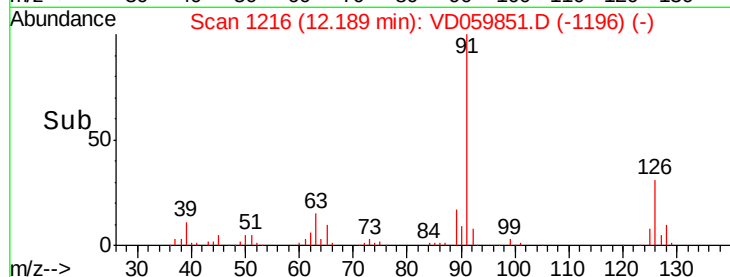
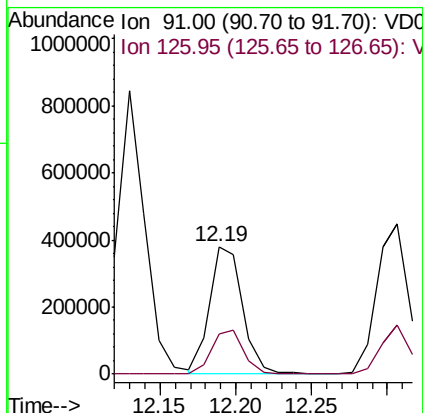
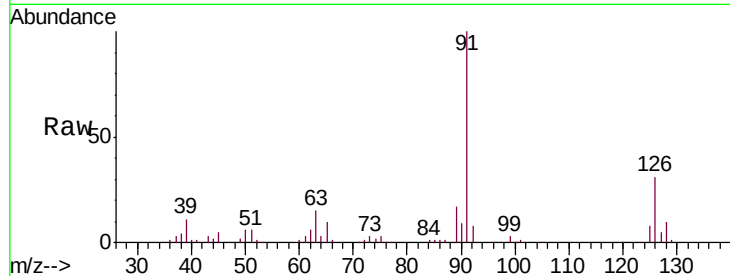




#79
 2-Chlorotoluene
 Concen: 19.187 ug/l
 RT: 12.19 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

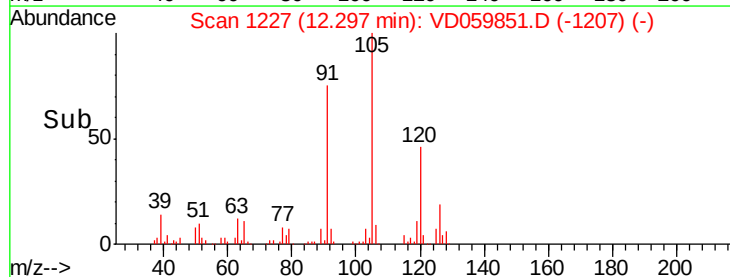
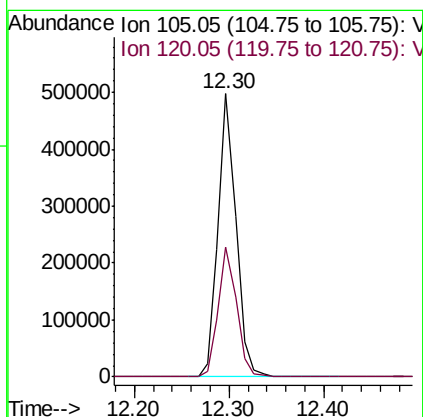
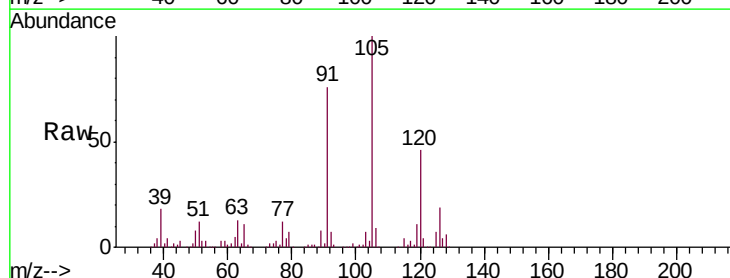
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

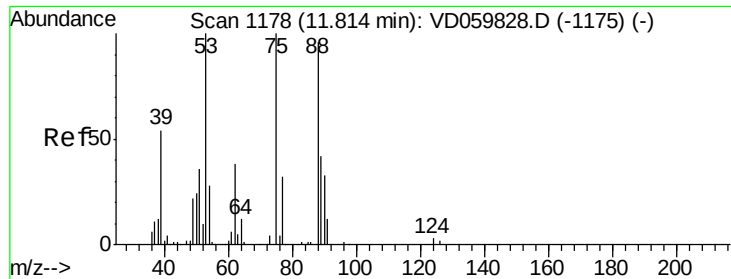
Tgt Ion: 91 Resp: 573286
 Ion Ratio Lower Upper
 91 100
 126 31.2 16.6 49.8



#80
 1,3,5-Trimethylbenzene
 Concen: 19.158 ug/l
 RT: 12.30 min Scan# 1227
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 105 Resp: 659000
 Ion Ratio Lower Upper
 105 100
 120 46.1 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 18.151 ug/l

RT: 11.82 min Scan# 1179

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

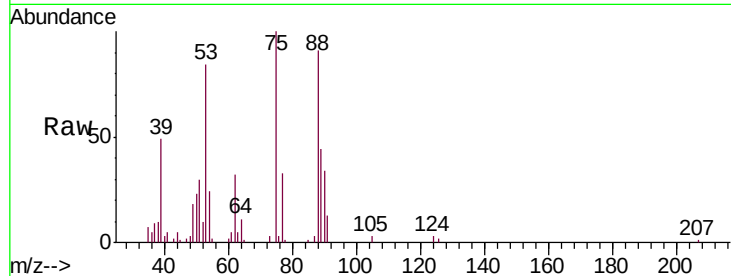
Tgt Ion: 75 Resp: 57558

Ion Ratio Lower Upper

75 100

53 84.4 80.7 121.1

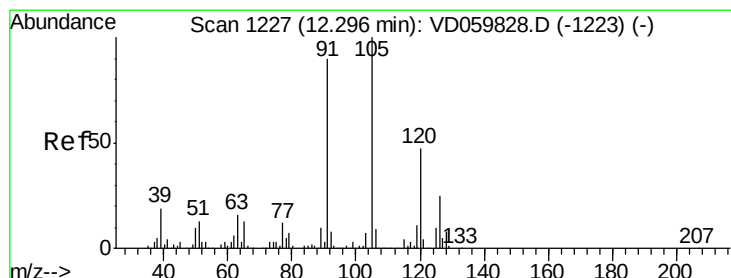
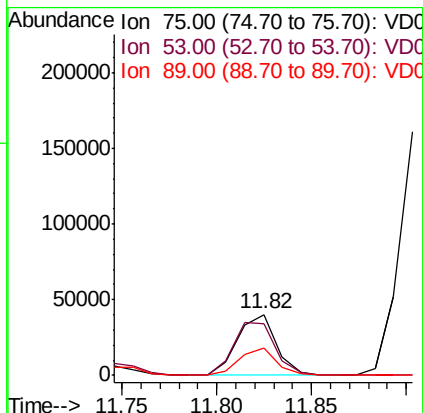
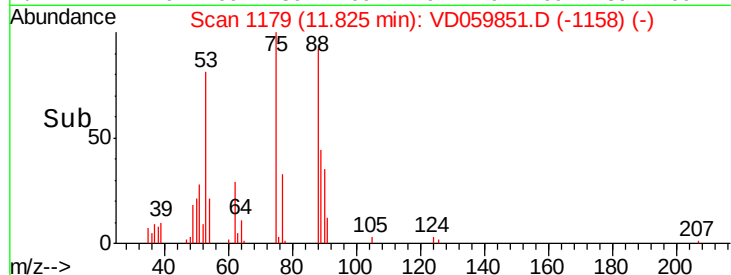
89 43.7 33.9 50.9



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 89.00 (88.70 to 89.70): VDC



#82

4-Chlorotoluene

Concen: 19.385 ug/l

RT: 12.31 min Scan# 1228

Delta R.T. 0.01 min

Lab File: VD059851.D

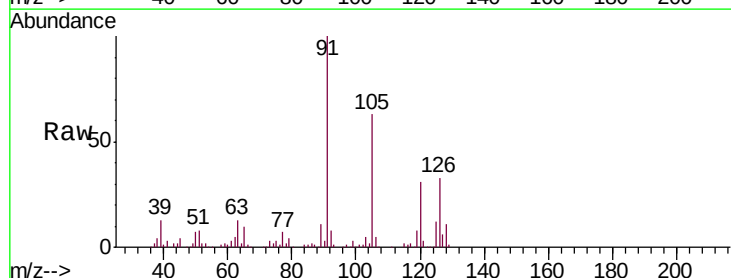
Acq: 21 Aug 2018 13:04

Tgt Ion: 91 Resp: 658847

Ion Ratio Lower Upper

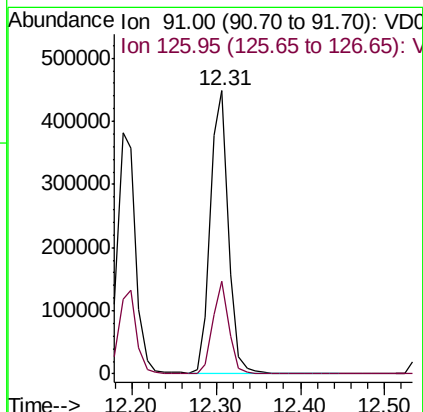
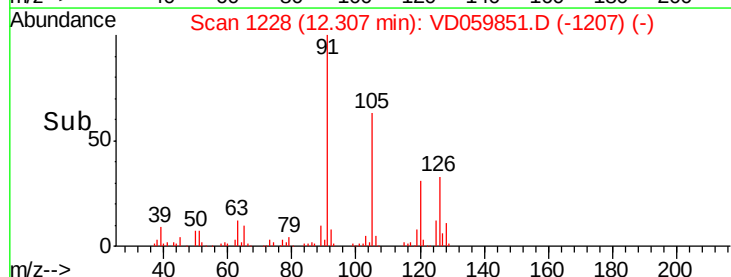
91 100

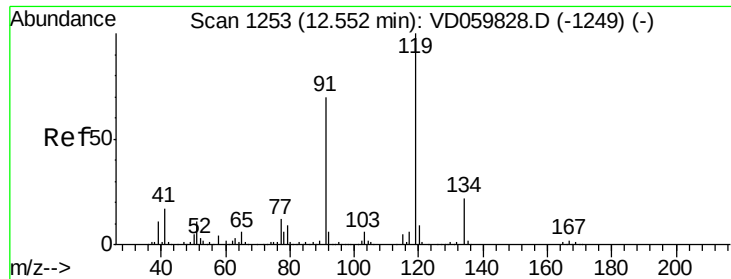
126 32.9 13.7 41.0



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.95 (125.65 to 126.65): V

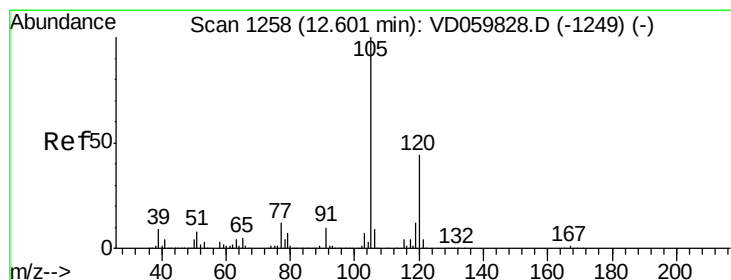
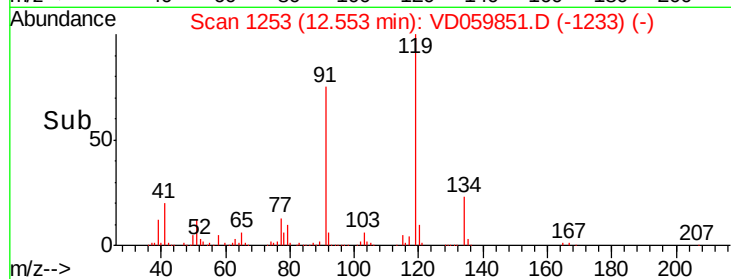
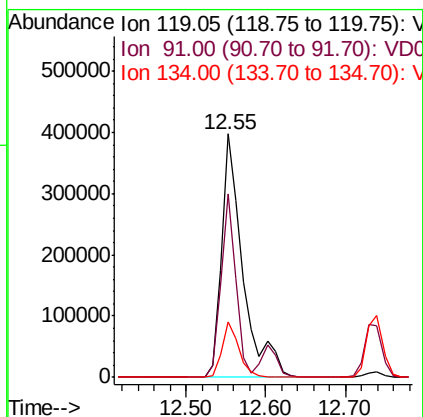
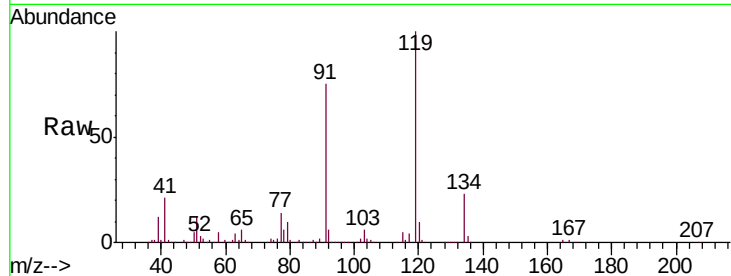




#83
 tert-Butylbenzene
 Concen: 22.623 ug/l
 RT: 12.55 min Scan# 1253
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

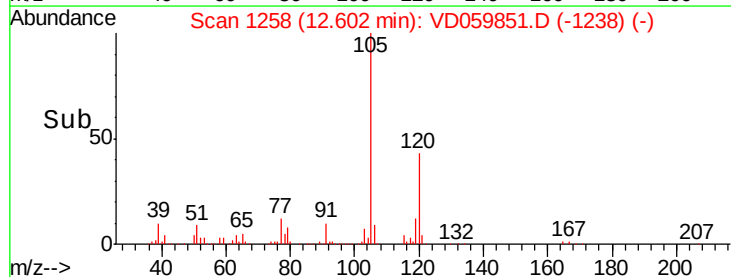
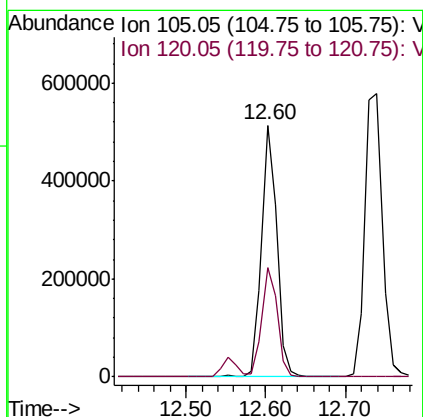
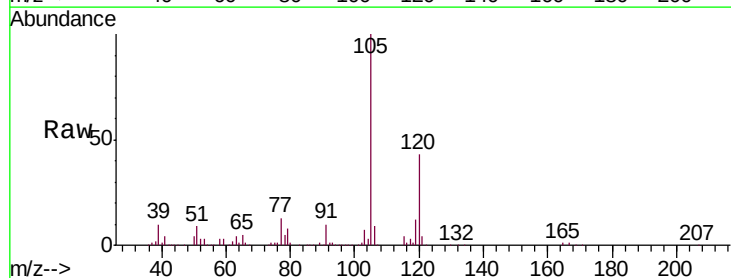
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

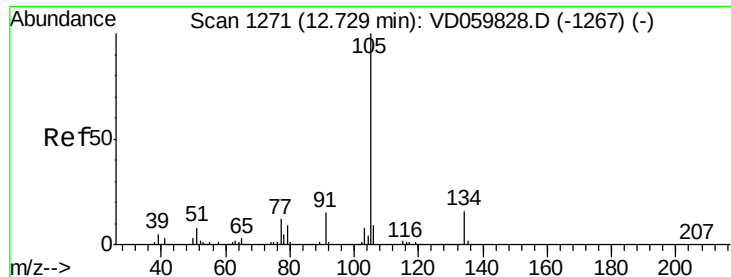
Tgt Ion:119 Resp: 745685
 Ion Ratio Lower Upper
 119 100
 91 75.4 35.1 105.3
 134 23.0 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 19.731 ug/l
 RT: 12.60 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion:105 Resp: 678403
 Ion Ratio Lower Upper
 105 100
 120 43.3 22.0 66.0





#85

sec-Butylbenzene

Concen: 20.070 ug/l

RT: 12.74 min Scan# 1272

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

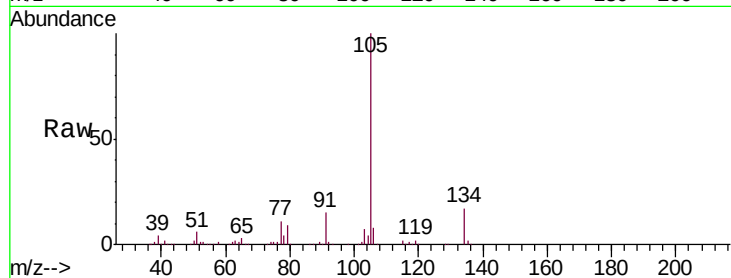
VD0821SBSD01

Tgt Ion:105 Resp: 877384

Ion Ratio Lower Upper

105 100

134 17.4 7.8 23.5



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 134.10 (133.80 to 134.80): V

12.74

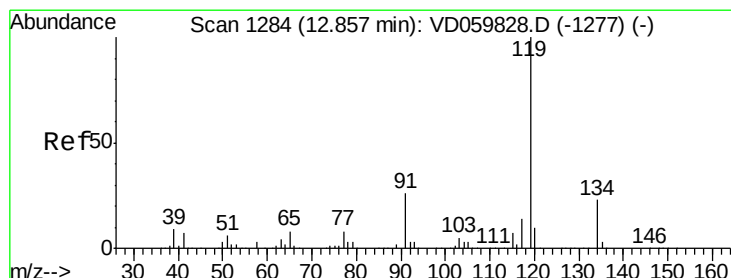
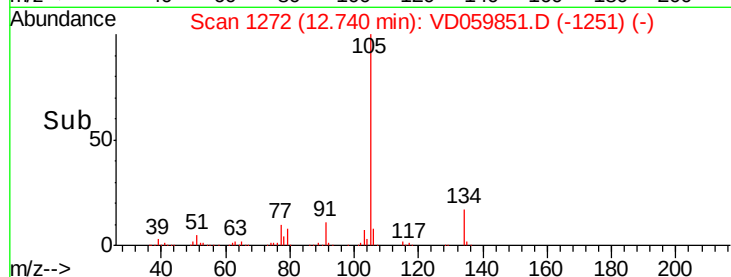
600000

400000

200000

0

Time-->



#86

p-Isopropyltoluene

Concen: 20.053 ug/l

RT: 12.87 min Scan# 1285

Delta R.T. 0.01 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

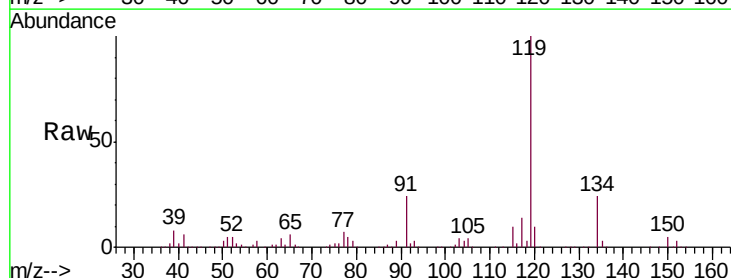
Tgt Ion:119 Resp: 687679

Ion Ratio Lower Upper

119 100

134 24.0 11.5 34.5

91 24.4 13.2 39.6



Abundance Ion 119.05 (118.75 to 119.75): V

Ion 134.10 (133.80 to 134.80): V

Ion 91.00 (90.70 to 91.70): V

12.87

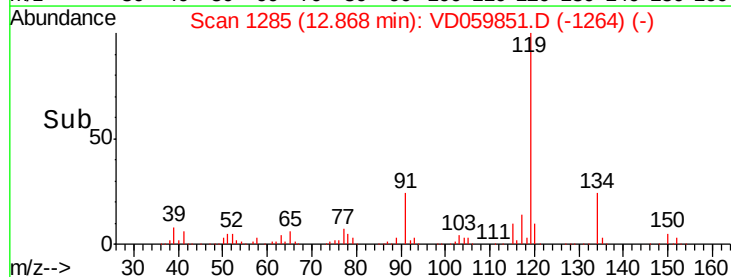
600000

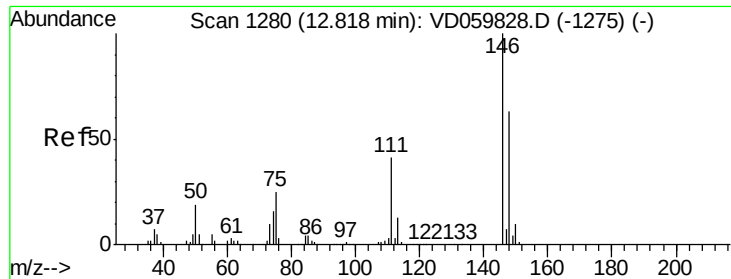
400000

200000

0

Time-->

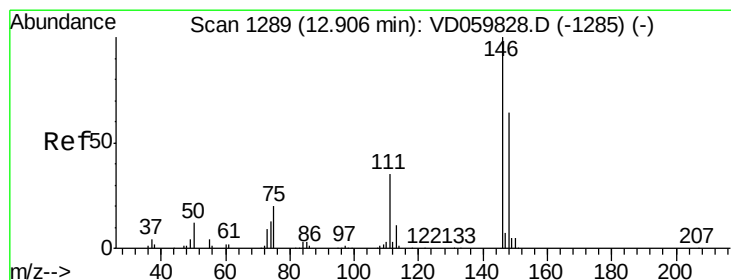
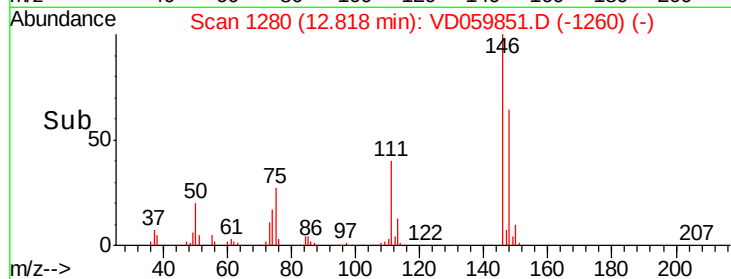
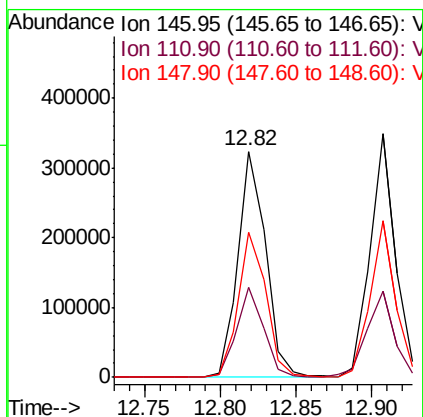
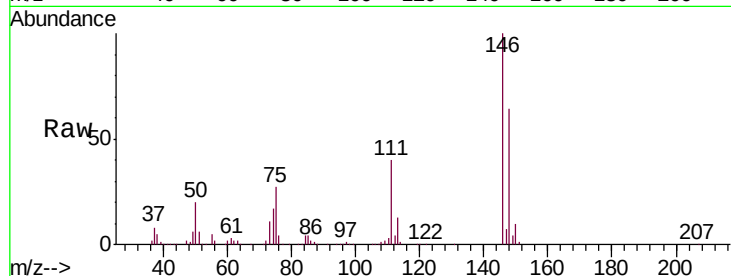




#87
 1,3-Dichlorobenzene
 Concen: 21.084 ug/l
 RT: 12.82 min Scan# 1280
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

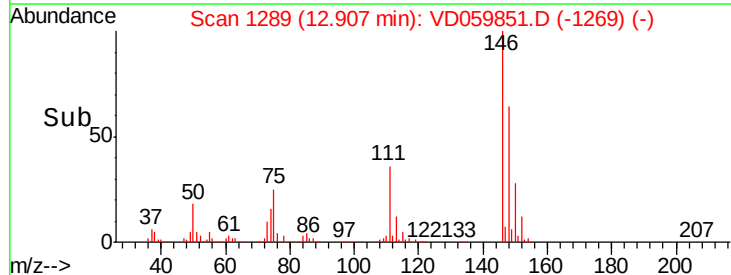
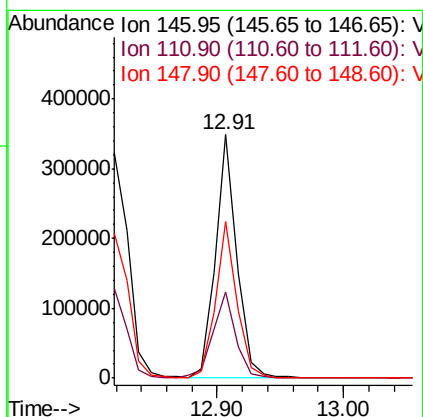
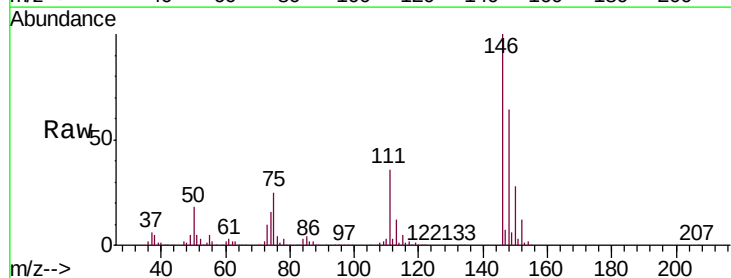
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

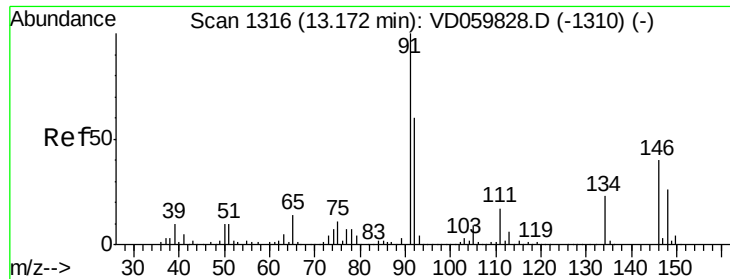
Tgt Ion:146 Resp: 412240
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.3 60.9
 148 64.3 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 21.084 ug/l
 RT: 12.91 min Scan# 1289
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion:146 Resp: 408620
 Ion Ratio Lower Upper
 146 100
 111 35.6 17.8 53.3
 148 64.3 31.9 95.9





#89

n-Butylbenzene

Concen: 18.775 ug/l

RT: 13.17 min Scan# 1316

Delta R.T. 0.00 min

Lab File: VD059851.D

Acq: 21 Aug 2018 13:04

Instrument :

MSVOA_D

ClientSampleId :

VD0821SBSD01

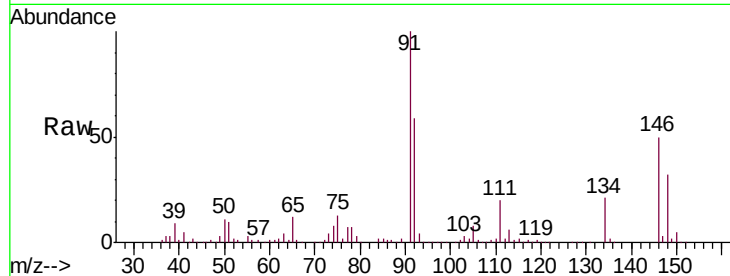
Tgt Ion: 91 Resp: 705383

Ion Ratio Lower Upper

91 100

92 58.9 29.8 89.5

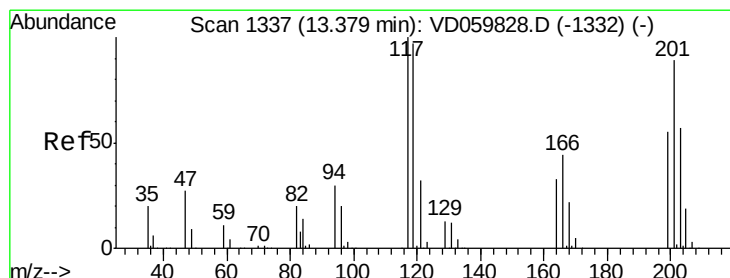
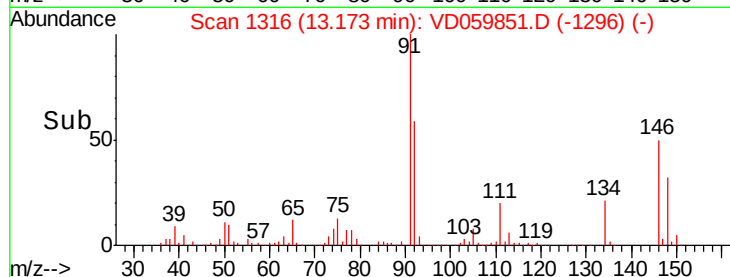
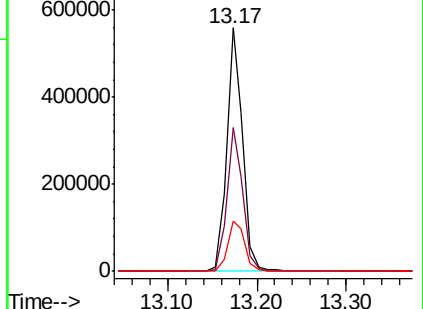
134 20.6 11.5 34.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.10 (133.80 to 134.80): V



#90

Hexachloroethane

Concen: 19.092 ug/l

RT: 13.38 min Scan# 1337

Delta R.T. 0.00 min

Lab File: VD059851.D

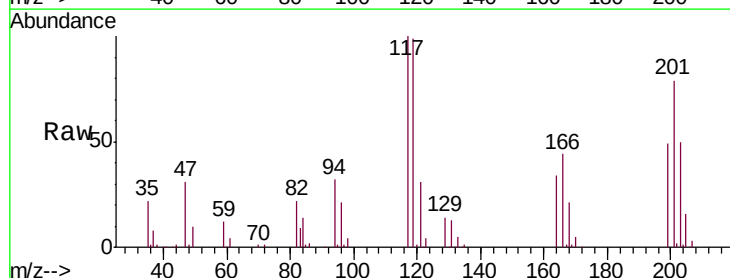
Acq: 21 Aug 2018 13:04

Tgt Ion: 117 Resp: 186799

Ion Ratio Lower Upper

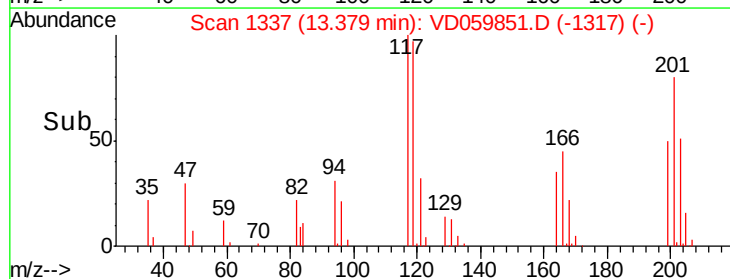
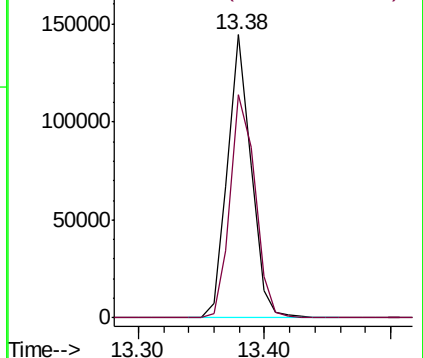
117 100

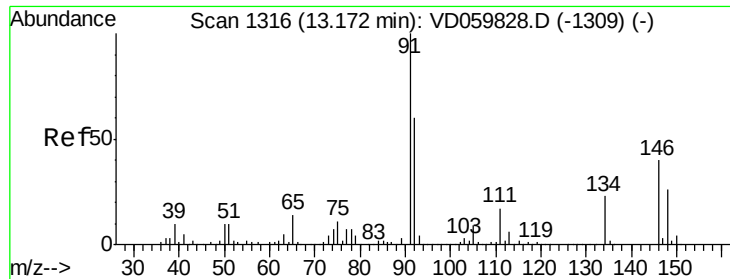
201 79.0 44.6 134.0



Abundance Ion 116.85 (116.55 to 117.55): V

Ion 200.75 (200.45 to 201.45): V

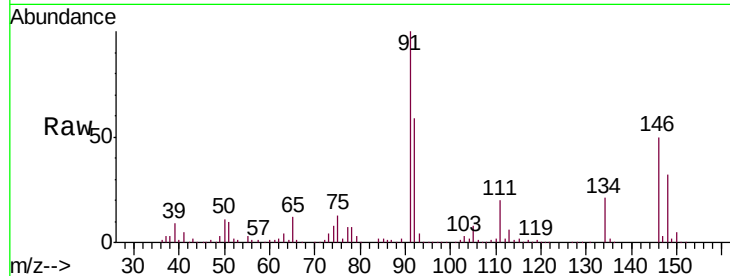




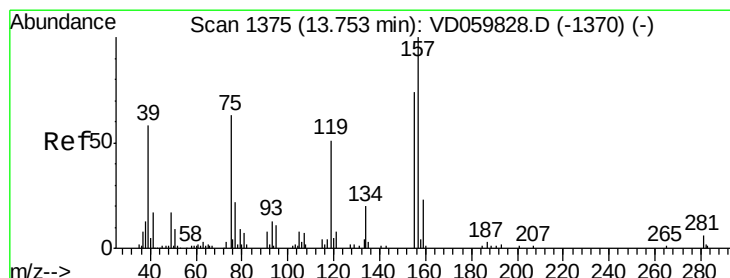
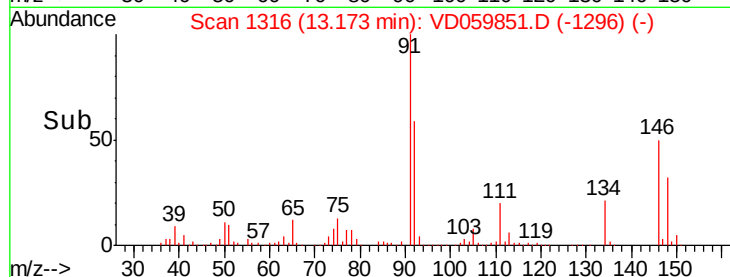
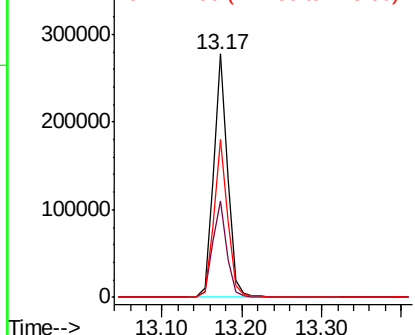
#91
 1,2-Dichlorobenzene
 Concen: 20.244 ug/l
 RT: 13.17 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBSD01

Tgt Ion:146 Resp: 345816
 Ion Ratio Lower Upper
 146 100
 111 39.5 20.9 62.8
 148 64.7 31.6 94.8

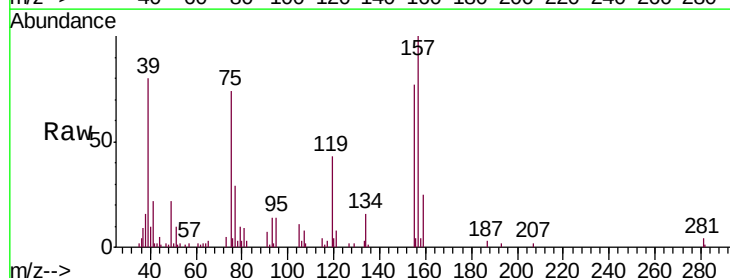


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

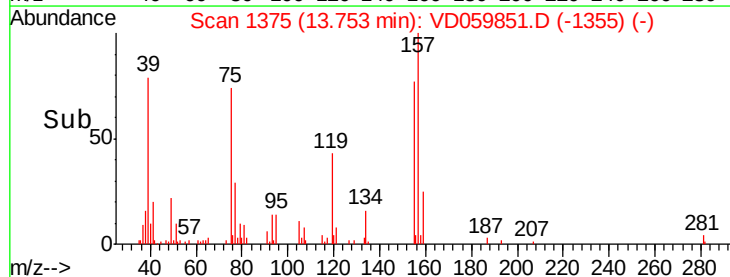
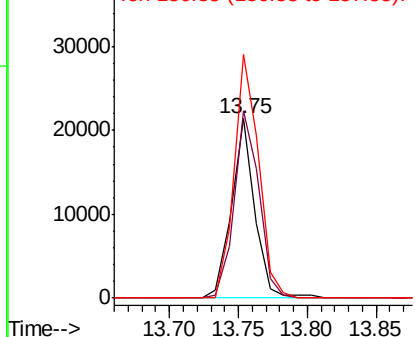


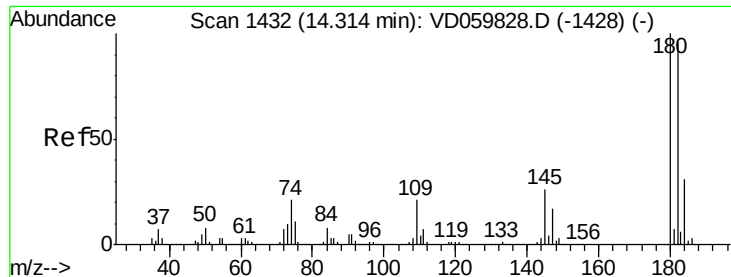
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.045 ug/l
 RT: 13.75 min Scan# 1375
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion: 75 Resp: 24990
 Ion Ratio Lower Upper
 75 100
 155 104.5 59.1 177.3
 157 135.8 79.7 238.9



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

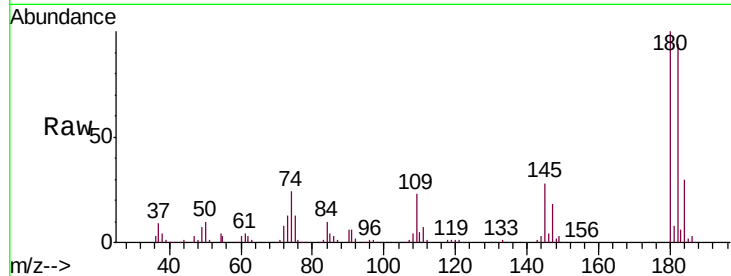




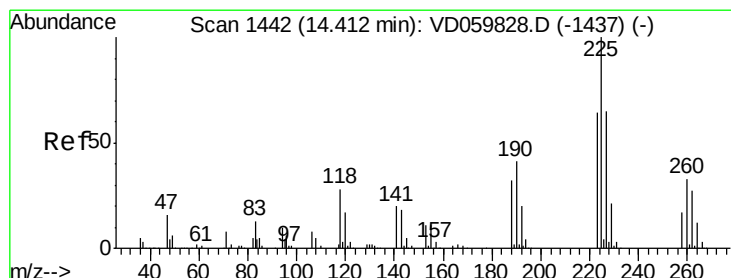
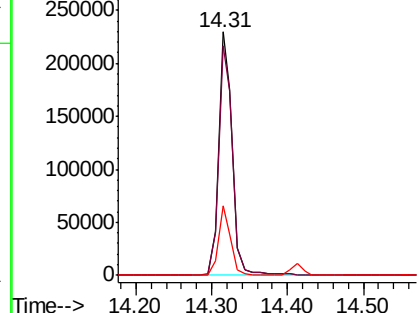
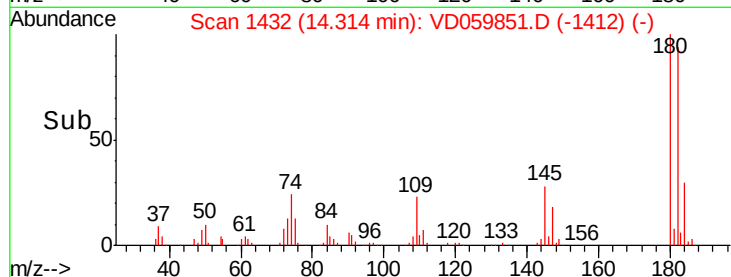
#93
 1,2,4-Trichlorobenzene
 Concen: 20.838 ug/l
 RT: 14.31 min Scan# 1432
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0821SBS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.0	144.0
145	28.4	13.1	39.1

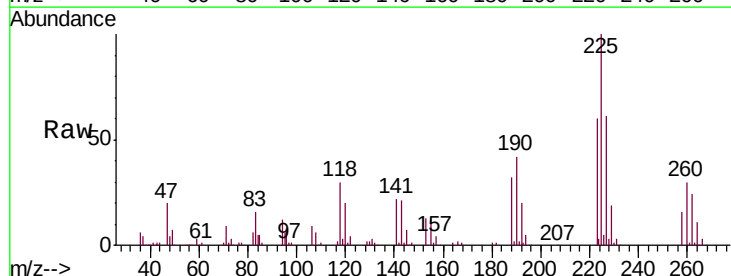


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

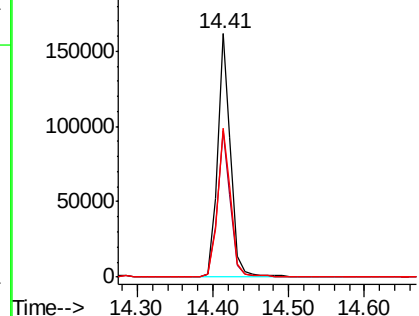
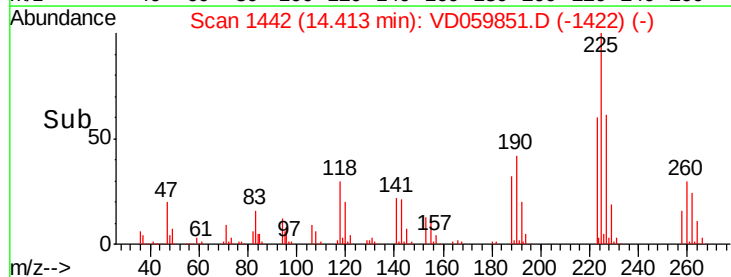


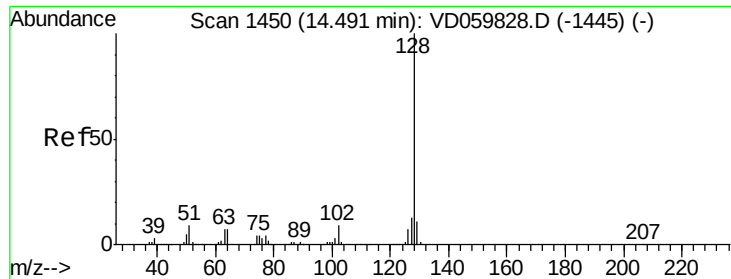
#94
 Hexachlorobutadiene
 Concen: 21.005 ug/l
 RT: 14.41 min Scan# 1442
 Delta R.T. 0.00 min
 Lab File: VD059851.D
 Acq: 21 Aug 2018 13:04

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.0	31.8	95.4
227	61.4	32.8	98.3



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

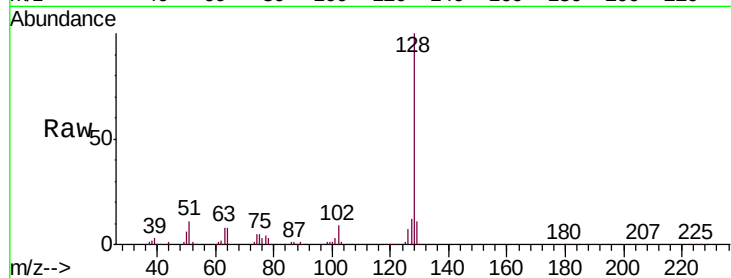




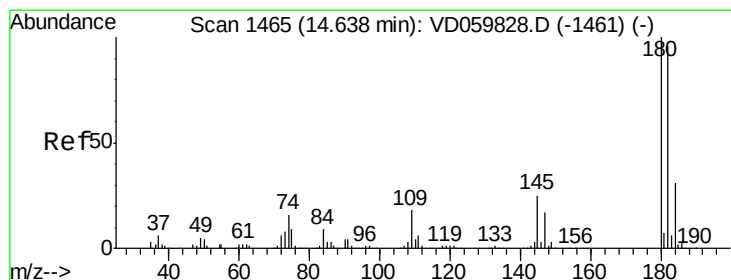
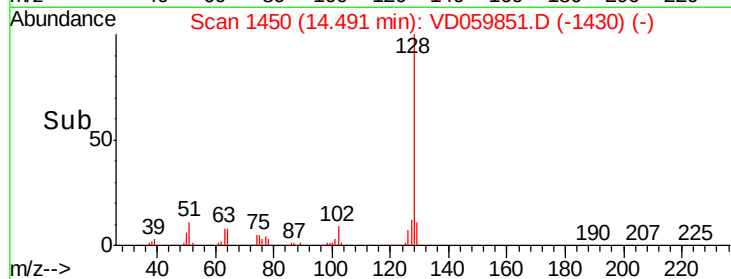
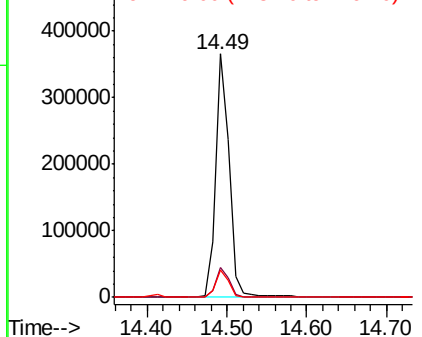
#95
Naphthalene
Concen: 19.288 ug/l
RT: 14.49 min Scan# 1450
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Instrument :
MSVOA_D
ClientSampleId :
VD0821SBSD01

Tgt Ion:128 Resp: 442340
Ion Ratio Lower Upper
128 100
127 12.4 10.1 15.1
129 11.0 8.7 13.1

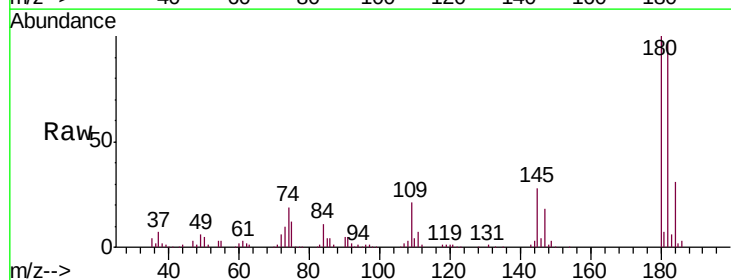


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 20.464 ug/l
RT: 14.64 min Scan# 1465
Delta R.T. 0.00 min
Lab File: VD059851.D
Acq: 21 Aug 2018 13:04

Tgt Ion:180 Resp: 251765
Ion Ratio Lower Upper
180 100
182 96.7 47.8 143.4
145 28.1 12.7 38.0



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

