

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
 Data File : VD059826.D
 Acq On : 20 Aug 2018 12:30
 Operator : JC/SY
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Aug 21 02:29:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D082018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 21 02:29:07 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.60	168	966004	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.64	114	1395101	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.65	117	1113244	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	529193	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.98	65	79810	10.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.48%	
35) Dibromofluoromethane	5.50	113	106912	10.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.56%	
50) Toluene-d8	8.66	98	286766	10.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	20.36%	
62) 4-Bromofluorobenzene	11.90	95	116790	10.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	21.30%	

Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.32	85	76935	9.272 ug/l	100
3) Chloromethane	1.46	50	64152	9.323 ug/l	99
4) Vinyl Chloride	1.54	62	51747	9.280 ug/l	100
5) Bromomethane	1.77	94	8563	11.394 ug/l	99
6) Chloroethane	1.86	64	15265	10.939 ug/l	92
7) Trichlorofluoromethane	2.06	101	57475	9.868 ug/l	96
8) Diethyl Ether	2.31	74	13010	10.151 ug/l	100
9) 1,1,2-Trichlorotrifluoroet	2.52	101	36172	9.917 ug/l	94
10) Methyl Iodide	2.66	142	29586	7.846 ug/l #	97
11) Tert butyl alcohol	3.21	59	14887	51.194 ug/l #	86
12) 1,1-Dichloroethene	2.51	96	28724	10.069 ug/l	96
13) Acrolein	2.43	56	12709	46.376 ug/l	95
14) Allyl chloride	2.89	41	72799	9.626 ug/l	97
15) Acrylonitrile	3.33	53	71686	54.588 ug/l	97
16) Acetone	2.58	43	58990	44.948 ug/l	99
17) Carbon Disulfide	2.73	76	78713	8.242 ug/l	99
18) Methyl Acetate	2.90	43	25231	8.811 ug/l	93
19) Methyl tert-butyl Ether	3.36	73	172400	10.305 ug/l	100
20) Methylene Chloride	3.03	84	45916	10.323 ug/l	96
21) trans-1,2-Dichloroethene	3.35	96	82541	10.347 ug/l	99
22) Diisopropyl ether	4.02	45	396425	10.185 ug/l	99
23) Vinyl Acetate	3.97	43	1126574	53.591 ug/l	100
24) 1,1-Dichloroethane	3.93	63	169012	9.932 ug/l	98
25) 2-Butanone	4.78	43	182601	46.335 ug/l	97
26) 2,2-Dichloropropane	4.76	77	143688	10.643 ug/l	96
27) cis-1,2-Dichloroethene	4.76	96	102216	9.959 ug/l	95
28) Bromochloromethane	5.10	49	92658	10.623 ug/l	98
29) Tetrahydrofuran	5.14	42	101896	51.552 ug/l	98
30) Chloroform	5.28	83	170615	10.180 ug/l	99
31) Cyclohexane	5.54	56	154767	9.953 ug/l	98
32) 1,1,1-Trichloroethane	5.46	97	141738	10.018 ug/l	99
36) 1,1-Dichloropropene	5.70	75	122154	10.179 ug/l	98
37) Ethyl Acetate	4.87	43	89516	10.250 ug/l	99
38) Carbon Tetrachloride	5.68	117	124029	10.394 ug/l	97

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.24	83	117985	9.248	ug/l	94
40) Benzene	5.97	78	307319	9.919	ug/l	100
41) Methacrylonitrile	5.07	41	43066	9.577	ug/l	97
42) 1,2-Dichloroethane	6.08	62	100103	10.061	ug/l	98
43) Isopropyl Acetate	7.57	43	118934	9.926	ug/l #	97
44) Trichloroethene	6.93	130	91029	9.970	ug/l	99
45) 1,2-Dichloropropane	7.30	63	88660	9.872	ug/l	98
46) Dibromomethane	7.41	93	55783	9.995	ug/l	97
47) Bromodichloromethane	7.70	83	123486	9.971	ug/l	100
48) Methyl methacrylate	7.46	41	65610	9.791	ug/l	98
49) 1,4-Dioxane	7.45	88	11172	200.132	ug/l #	75
51) 4-Methyl-2-Pentanone	8.55	43	393110	47.705	ug/l	98
52) Toluene	8.76	92	198366	10.091	ug/l	98
53) t-1,3-Dichloropropene	9.14	75	110573	9.804	ug/l	96
54) cis-1,3-Dichloropropene	8.32	75	133597	9.867	ug/l	96
55) 1,1,2-Trichloroethane	9.41	97	70077	10.016	ug/l	94
56) Ethyl methacrylate	9.27	69	81767	10.169	ug/l	97
57) 1,3-Dichloropropane	9.63	76	103897	10.185	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.14	63	224085	54.260	ug/l	100
59) 2-Hexanone	9.74	43	290658	47.888	ug/l	98
60) Dibromochloromethane	9.92	129	89236	9.922	ug/l	97
61) 1,2-Dibromoethane	10.05	107	72642	9.762	ug/l	99
64) Tetrachloroethene	9.47	164	79743	9.754	ug/l	99
65) Chlorobenzene	10.69	112	226528	10.459	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.82	131	80791	10.802	ug/l	97
67) Ethyl Benzene	10.83	91	392303	11.044	ug/l	96
68) m/p-Xylenes	10.98	106	283101	21.757	ug/l	96
69) o-Xylene	11.38	106	131506	10.344	ug/l	96
70) Styrene	11.40	104	233248	10.586	ug/l	98
71) Bromoform	11.58	173	64686	9.895	ug/l	99
73) Isopropylbenzene	11.74	105	365651	10.130	ug/l	98
74) N-amyl acetate	11.61	43	155721	9.757	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.05	83	83211	10.027	ug/l	98
76) 1,2,3-Trichloropropane	12.09	75	83653	9.674	ug/l	97
77) Bromobenzene	12.01	156	97087	9.688	ug/l	89
78) n-propylbenzene	12.13	91	475788	10.491	ug/l	97
79) 2-Chlorotoluene	12.19	91	260808	10.071	ug/l	94
80) 1,3,5-Trimethylbenzene	12.29	105	299550	11.064	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.81	75	26066	9.745	ug/l	98
82) 4-Chlorotoluene	12.30	91	297458	11.049	ug/l	95
83) tert-Butylbenzene	12.55	119	333788	10.491	ug/l	97
84) 1,2,4-Trimethylbenzene	12.60	105	311866	10.407	ug/l	98
85) sec-Butylbenzene	12.74	105	402566	10.545	ug/l	96
86) p-Isopropyltoluene	12.86	119	317298	10.589	ug/l	95
87) 1,3-Dichlorobenzene	12.81	146	176962	10.473	ug/l	98
88) 1,4-Dichlorobenzene	12.90	146	178411	10.494	ug/l	99
89) n-Butylbenzene	13.17	91	349096	11.613	ug/l	98
90) Hexachloroethane	13.38	117	83218	9.831	ug/l	86
91) 1,2-Dichlorobenzene	13.17	146	156775	11.396	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	13.75	75	11756	9.562	ug/l	81

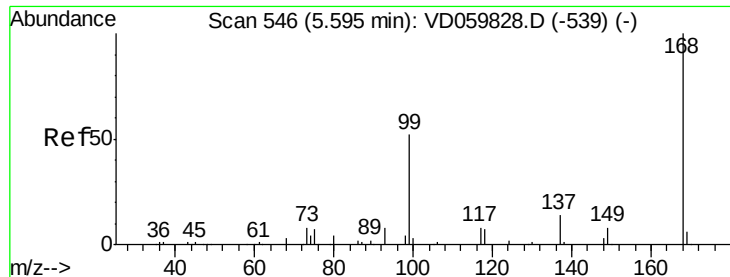
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_D\DATA\VD082018\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.31	180	127271	10.366	ug/l	100
94) Hexachlorobutadiene	14.41	225	80050	9.812	ug/l	100
95) Naphthalene	14.49	128	192847	9.845	ug/l	99
96) 1,2,3-Trichlorobenzene	14.64	180	109063	10.233	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.60 min Scan# 546

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

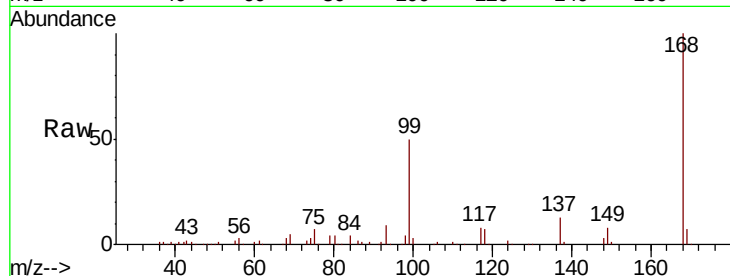
VSTDIC010

Tgt Ion:168 Resp: 966004

Ion Ratio Lower Upper

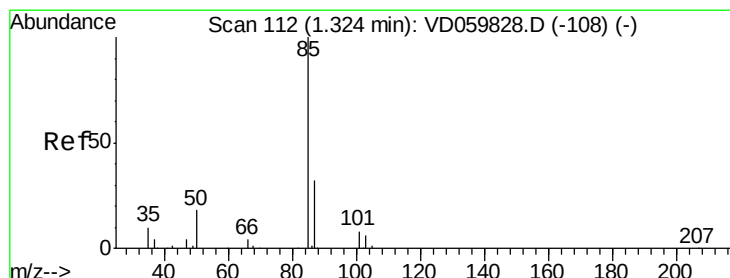
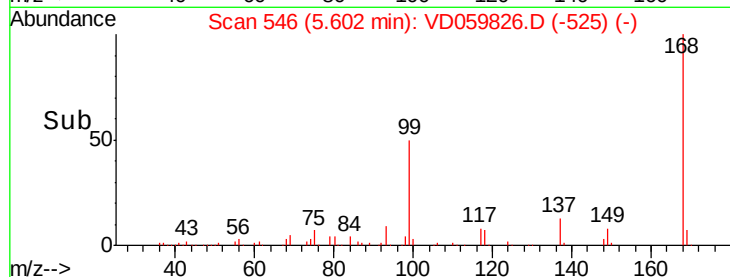
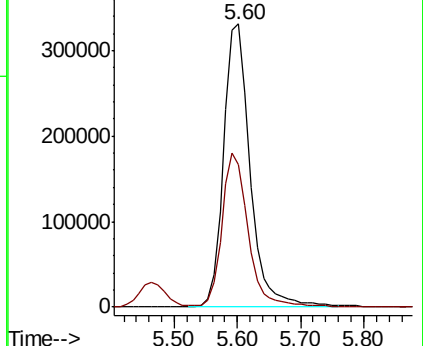
168 100

99 50.4 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: 9.272 ug/l

RT: 1.32 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD059826.D

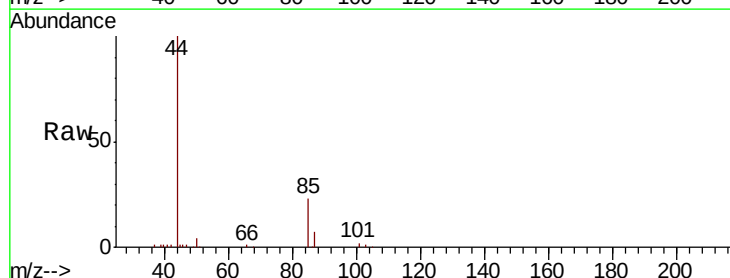
Acq: 20 Aug 2018 12:30

Tgt Ion: 85 Resp: 76935

Ion Ratio Lower Upper

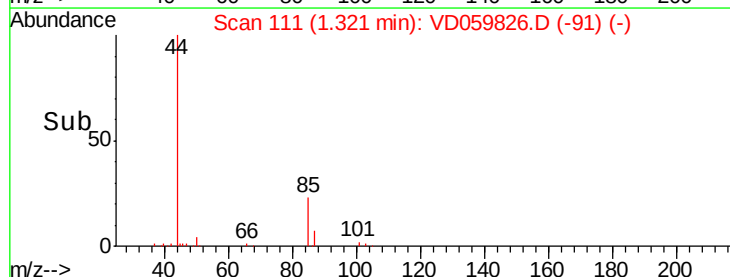
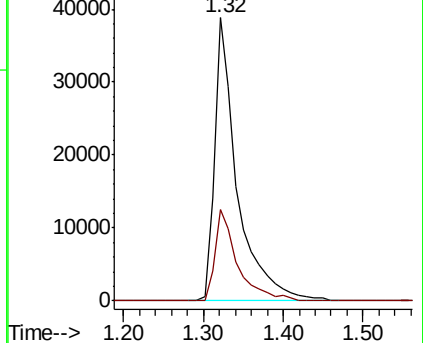
85 100

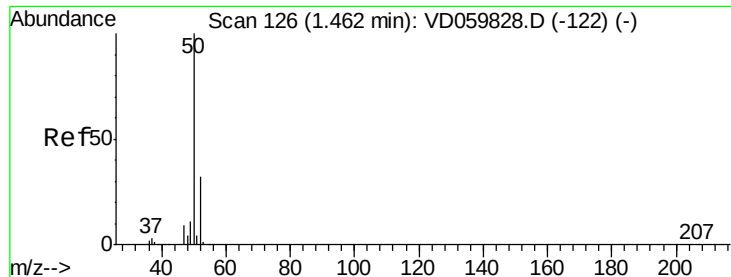
87 32.2 16.1 48.3



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 9.323 ug/l

RT: 1.46 min Scan# 125

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

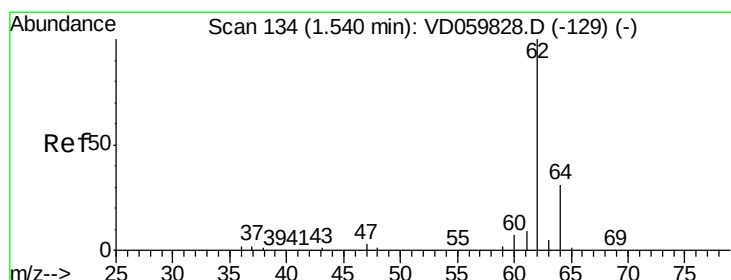
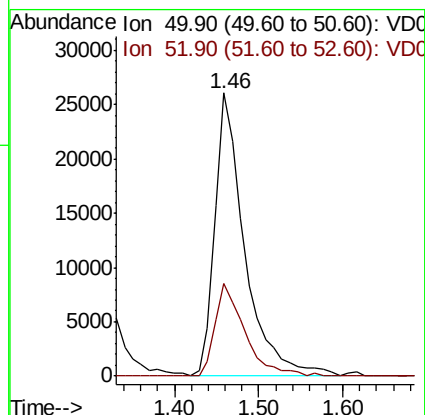
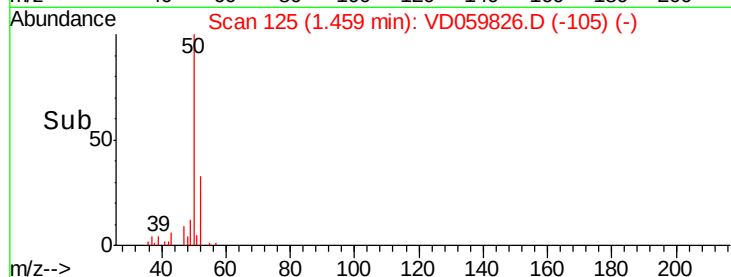
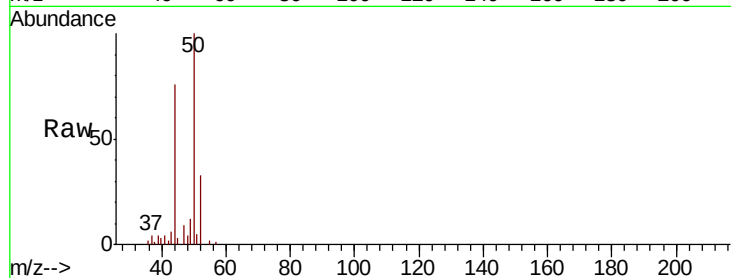
VSTDIC010

Tgt Ion: 50 Resp: 64152

Ion Ratio Lower Upper

50 100

52 32.6 25.4 38.2



#4

Vinyl Chloride

Concen: 9.280 ug/l

RT: 1.54 min Scan# 133

Delta R.T. -0.00 min

Lab File: VD059826.D

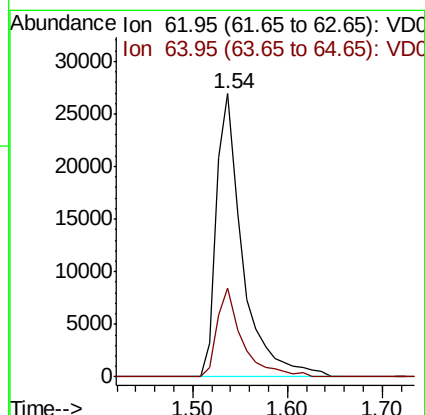
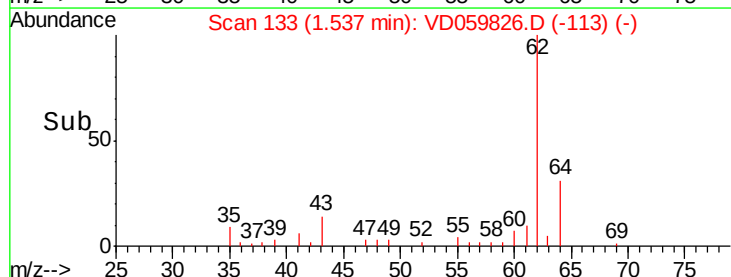
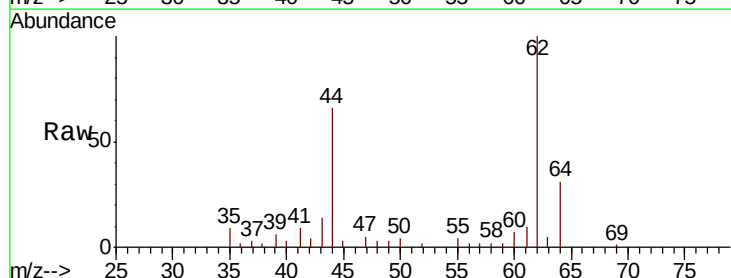
Acq: 20 Aug 2018 12:30

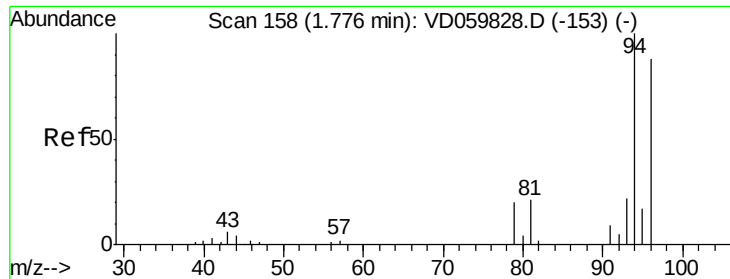
Tgt Ion: 62 Resp: 51747

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6





#5

Bromomethane

Concen: 11.394 ug/l

RT: 1.77 min Scan# 157

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

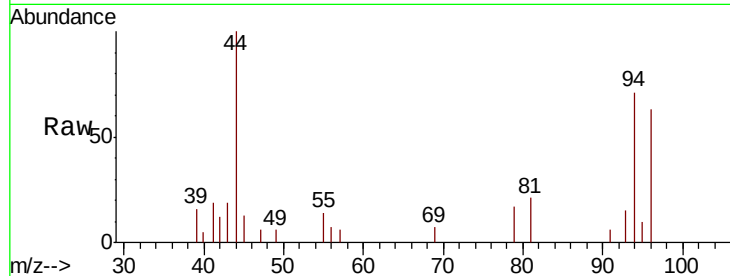
VSTDIC010

Tgt Ion: 94 Resp: 8563

Ion Ratio Lower Upper

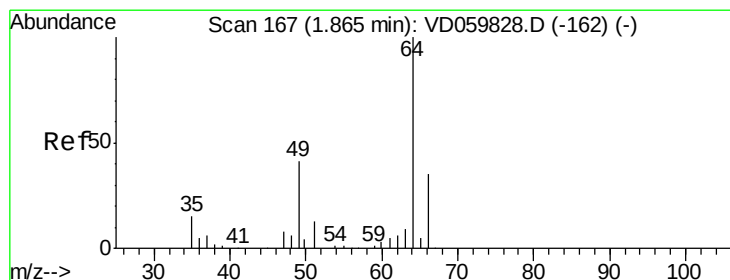
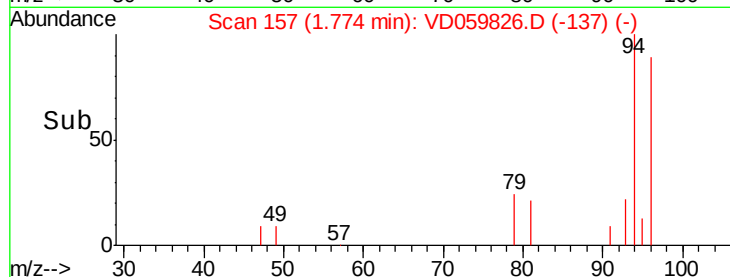
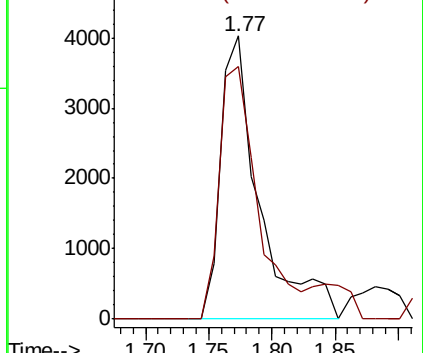
94 100

96 89.1 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: 10.939 ug/l

RT: 1.86 min Scan# 166

Delta R.T. -0.00 min

Lab File: VD059826.D

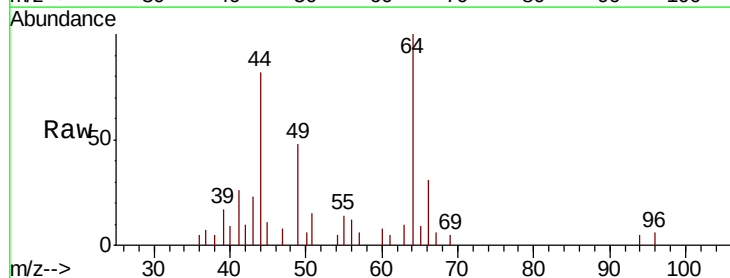
Acq: 20 Aug 2018 12:30

Tgt Ion: 64 Resp: 15265

Ion Ratio Lower Upper

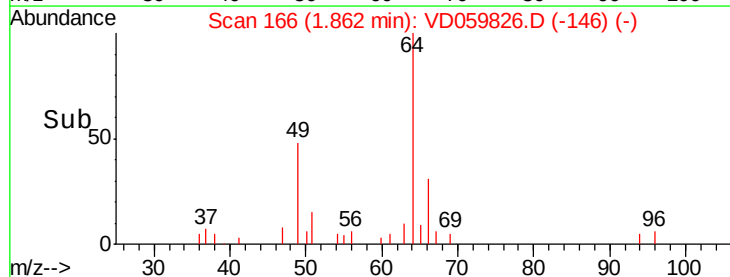
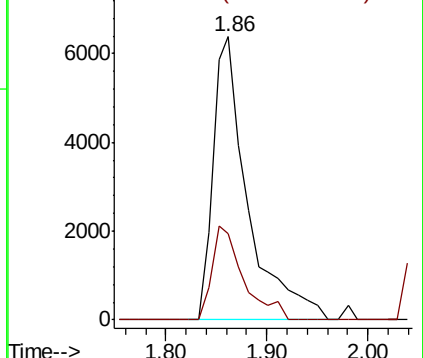
64 100

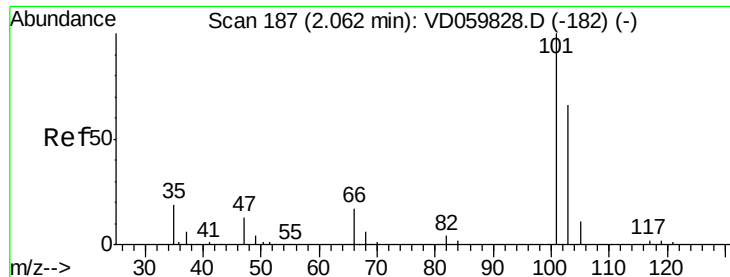
66 30.5 27.9 41.9



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



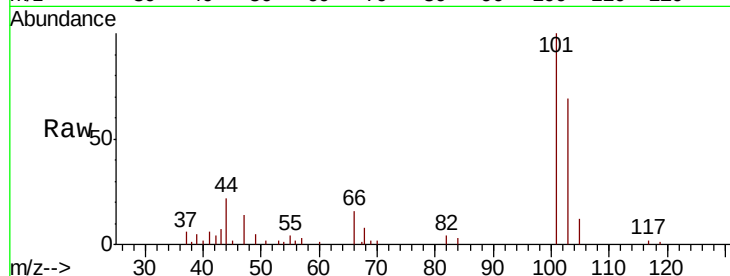


#7

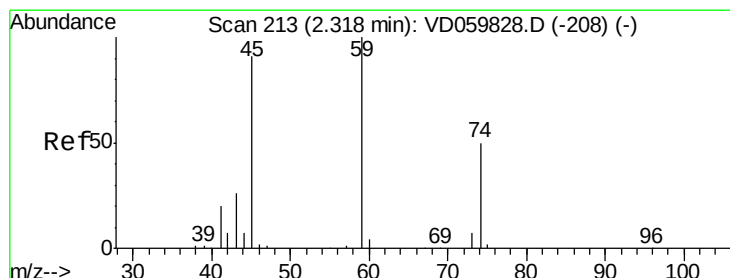
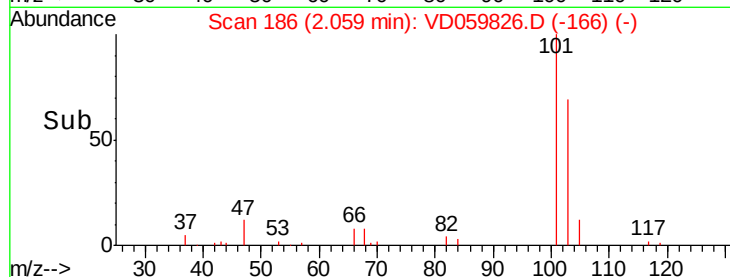
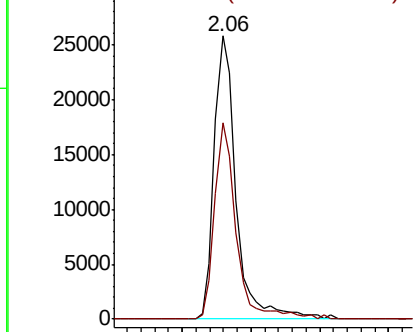
Trichlorofluoromethane
Concen: 9.868 ug/l
RT: 2.06 min Scan# 186
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 101 Resp: 57475
Ion Ratio Lower Upper
101 100
103 69.3 53.0 79.4



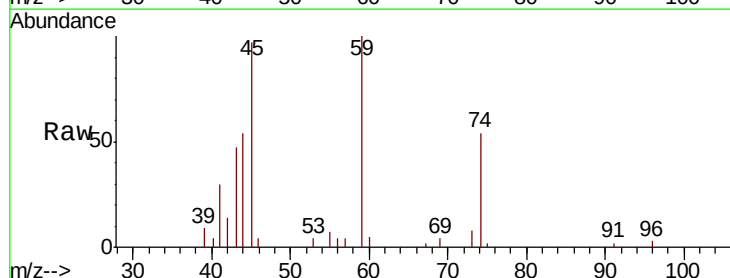
Abundance Ion 100.85 (100.55 to 101.55): V
Ion 102.85 (102.55 to 103.55): V



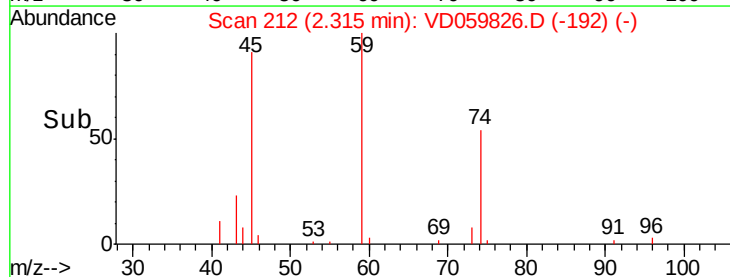
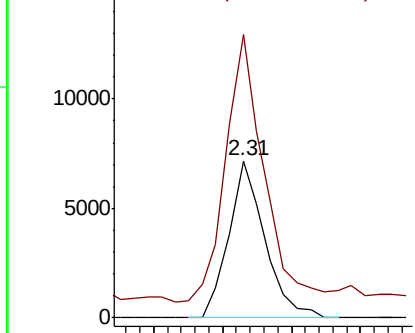
#8

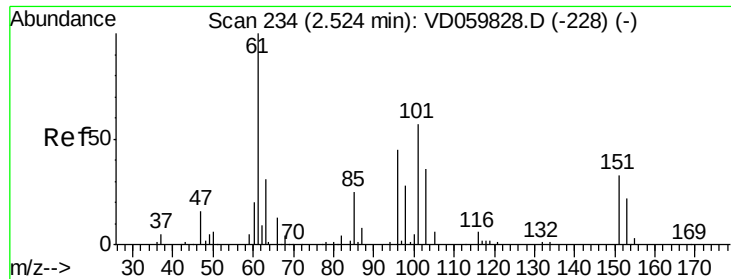
Diethyl Ether
Concen: 10.151 ug/l
RT: 2.31 min Scan# 212
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 74 Resp: 13010
Ion Ratio Lower Upper
74 100
45 180.7 90.6 271.9



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





#9

1,1,2-Trichlorotrifluoroethane

Concen: 9.917 ug/l

RT: 2.52 min Scan# 233

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

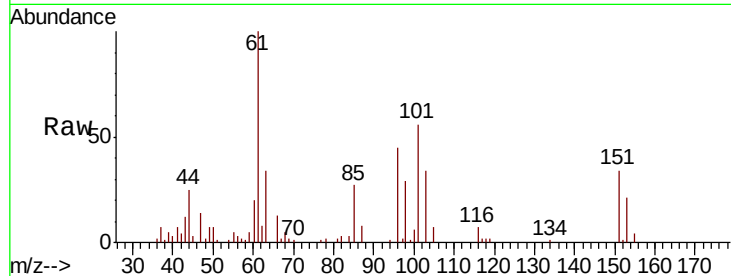
Tgt Ion:101 Resp: 36172

Ion Ratio Lower Upper

101 100

85 48.4 35.7 53.5

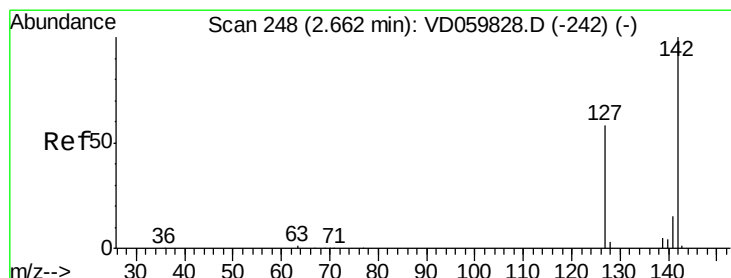
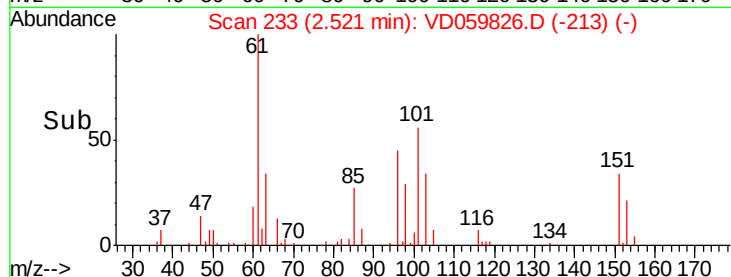
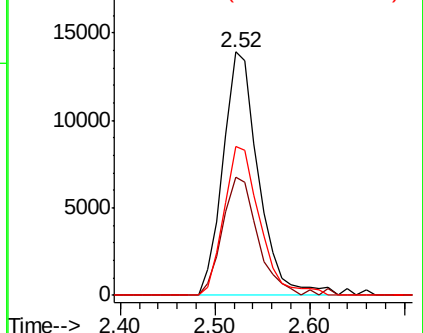
151 61.2 45.8 68.6



Abundance Ion 100.85 (100.55 to 101.55): V

Ion 84.95 (84.65 to 85.65): V

Ion 150.90 (150.60 to 151.60): V



#10

Methyl Iodide

Concen: 7.846 ug/l

RT: 2.66 min Scan# 247

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

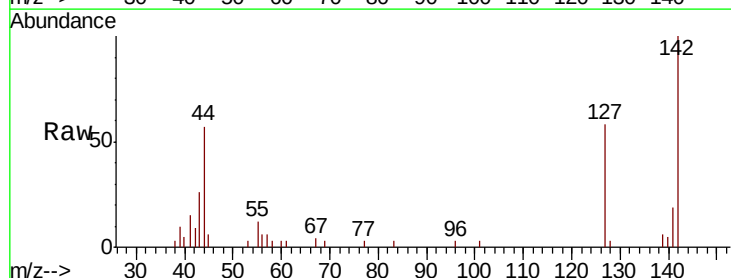
Tgt Ion:142 Resp: 29586

Ion Ratio Lower Upper

142 100

127 57.6 46.6 69.8

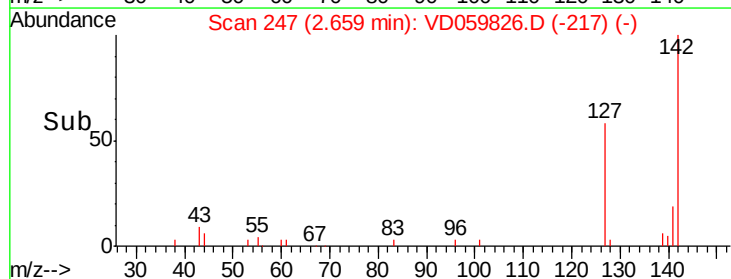
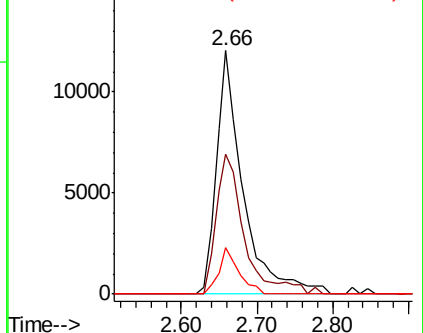
141 19.3 11.7 17.5#

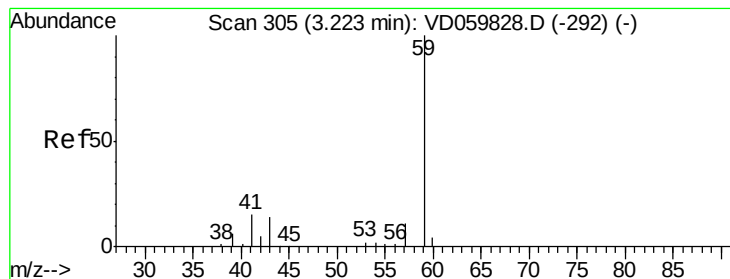


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V





#11

Tert butyl alcohol

Concen: 51.194 ug/l

RT: 3.21 min Scan# 303

Delta R.T. -0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

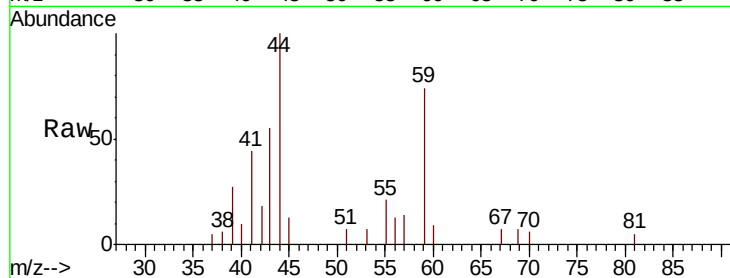
VSTDIC010

Tgt Ion: 59 Resp: 14887

Ion Ratio Lower Upper

59 100

57 18.4 10.3 15.5#



Abundance Ion 58.95 (58.65 to 59.65): VDC

Ion 56.95 (56.65 to 57.65): VDC

15000

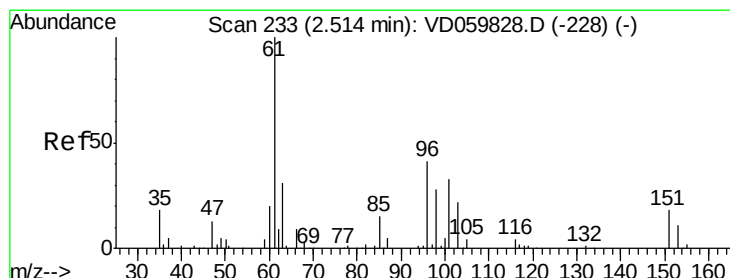
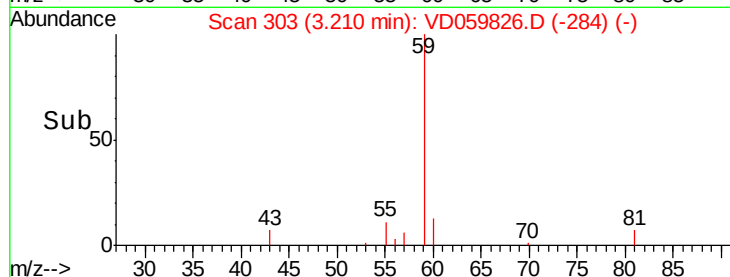
10000

5000

0

3.15 3.20 3.25 3.30

Time-->



#12

1,1-Dichloroethene

Concen: 10.069 ug/l

RT: 2.51 min Scan# 232

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

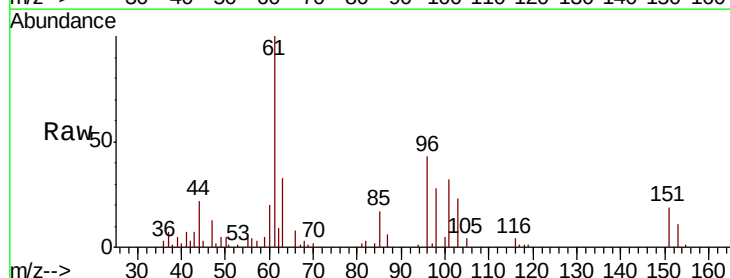
Tgt Ion: 96 Resp: 28724

Ion Ratio Lower Upper

96 100

61 235.2 194.0 291.0

98 66.1 53.4 80.0



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

30000

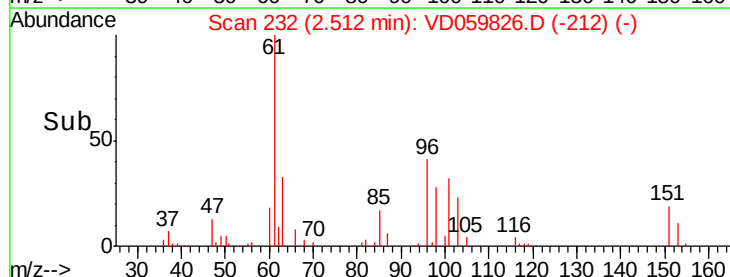
20000

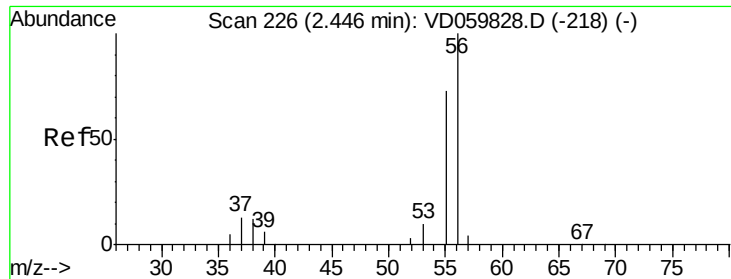
10000

0

2.40 2.50 2.60 2.70

Time-->

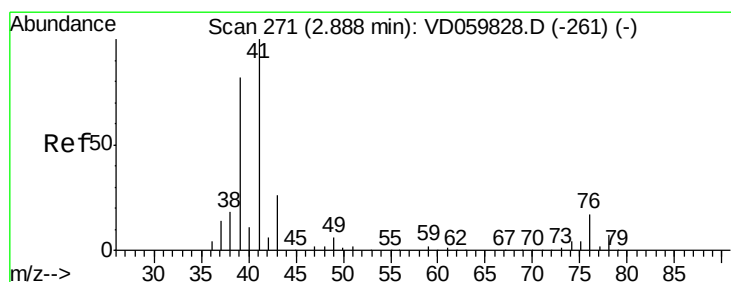
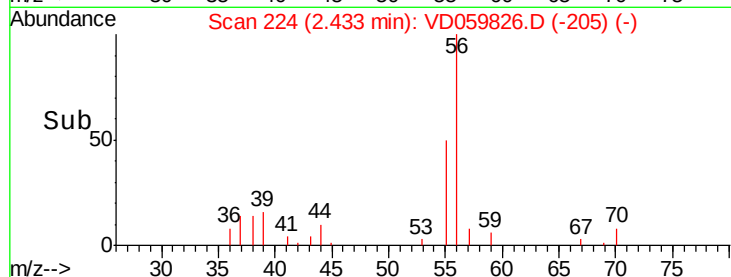
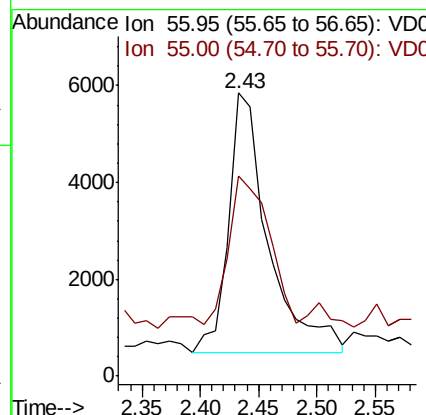
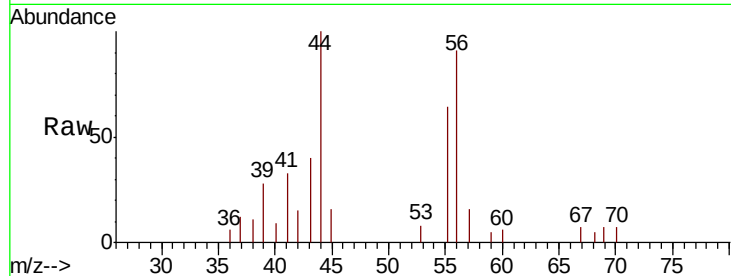




#13
 Acrolein
 Concen: 46.376 ug/l
 RT: 2.43 min Scan# 224
 Delta R.T. -0.01 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

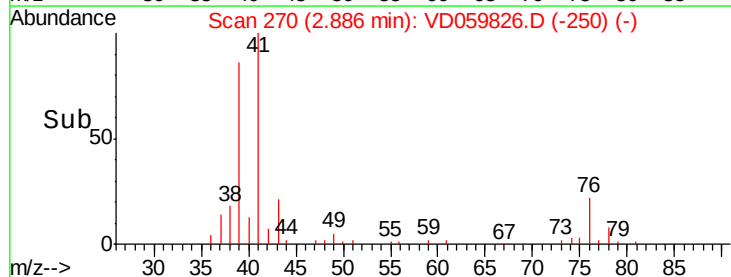
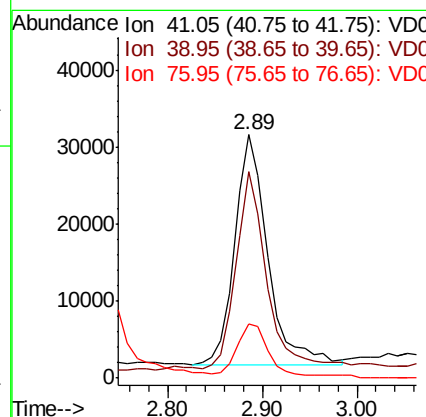
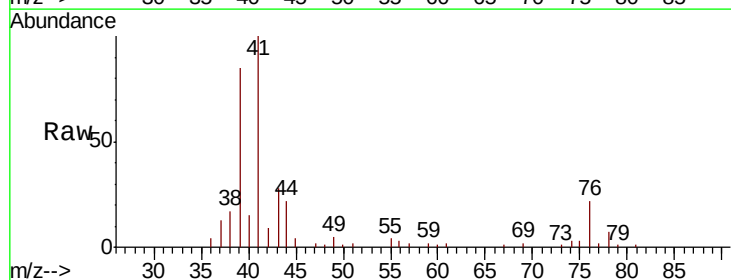
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

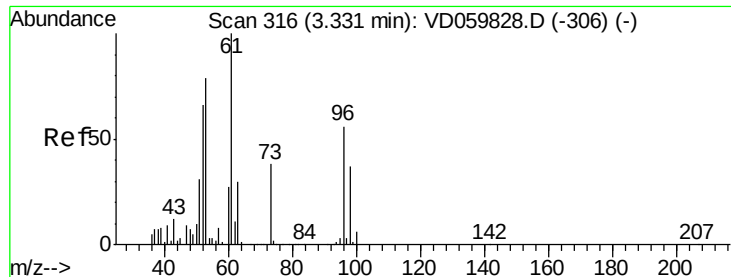
Tgt Ion: 56 Resp: 12709
 Ion Ratio Lower Upper
 56 100
 55 70.8 60.4 90.6



#14
 Allyl chloride
 Concen: 9.626 ug/l
 RT: 2.89 min Scan# 270
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 41 Resp: 72799
 Ion Ratio Lower Upper
 41 100
 39 84.6 65.9 98.9
 76 22.1 19.9 29.9





#15

Acrylonitrile

Concen: 54.588 ug/l

RT: 3.33 min Scan# 315

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

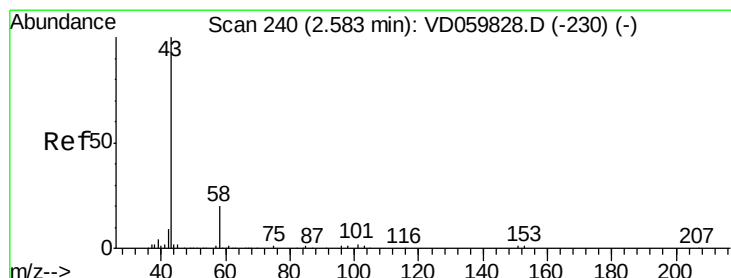
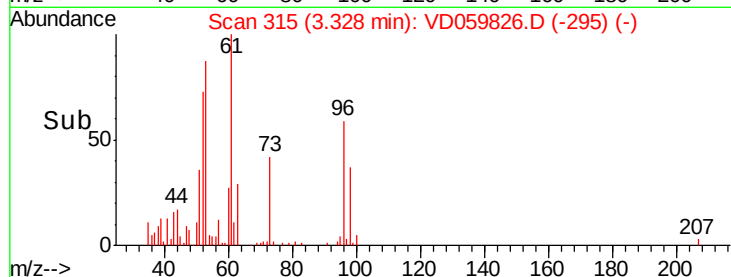
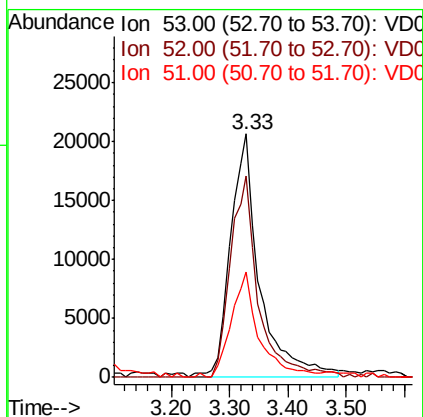
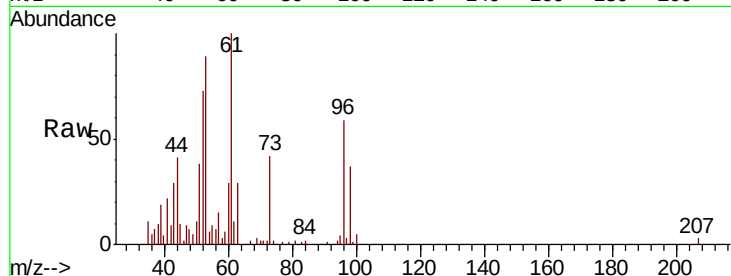
Tgt Ion: 53 Resp: 71686

Ion Ratio Lower Upper

53 100

52 82.7 66.8 100.2

51 43.3 31.6 47.4



#16

Acetone

Concen: 44.948 ug/l

RT: 2.58 min Scan# 239

Delta R.T. -0.00 min

Lab File: VD059826.D

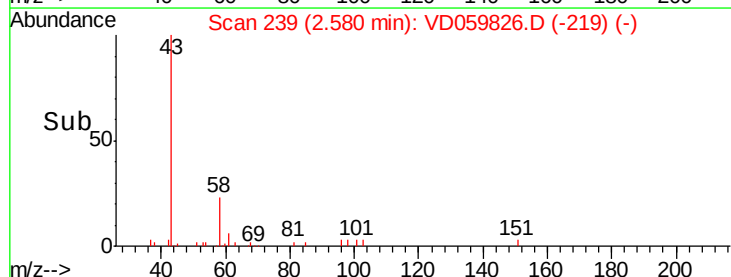
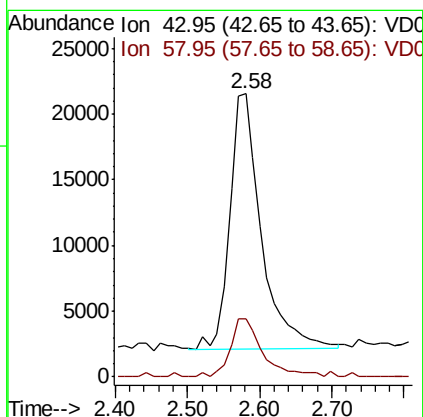
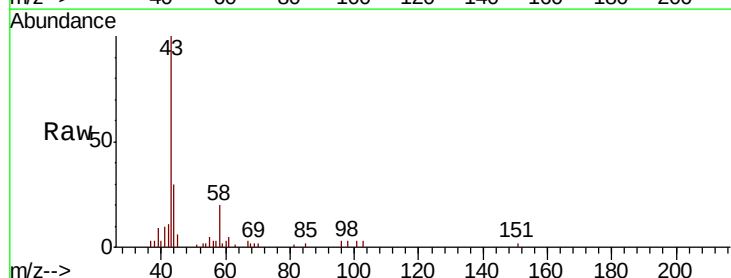
Acq: 20 Aug 2018 12:30

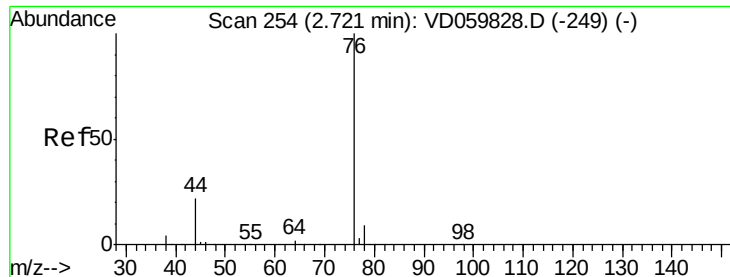
Tgt Ion: 43 Resp: 58990

Ion Ratio Lower Upper

43 100

58 20.5 16.2 24.2





#17

Carbon Disulfide

Concen: 8.242 ug/l

RT: 2.73 min Scan# 254

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

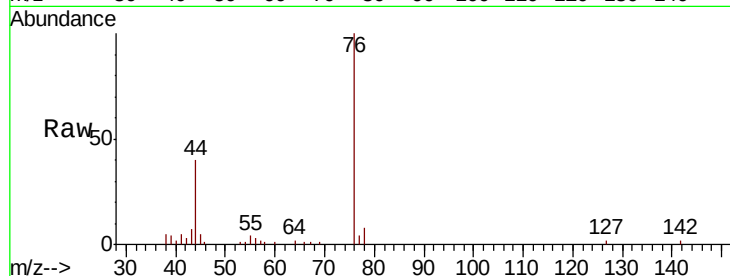
VSTDIC010

Tgt Ion: 76 Resp: 78713

Ion Ratio Lower Upper

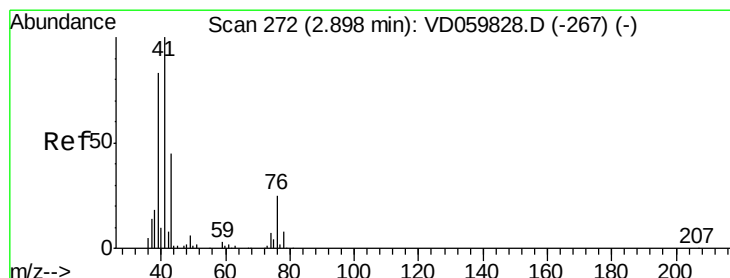
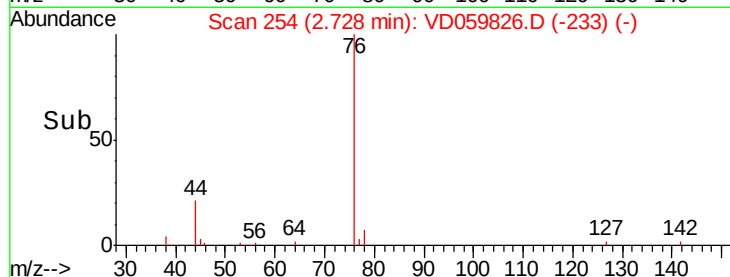
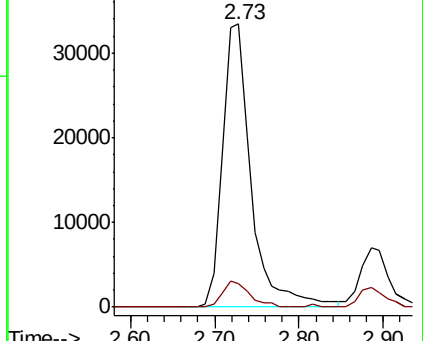
76 100

78 8.4 7.0 10.6



Abundance Ion 75.85 (75.55 to 76.55): VDC

Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 8.811 ug/l

RT: 2.90 min Scan# 271

Delta R.T. -0.00 min

Lab File: VD059826.D

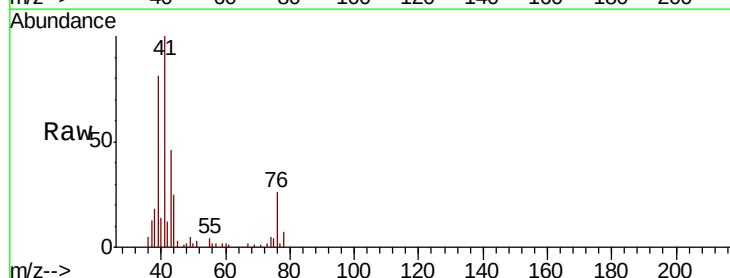
Acq: 20 Aug 2018 12:30

Tgt Ion: 43 Resp: 25231

Ion Ratio Lower Upper

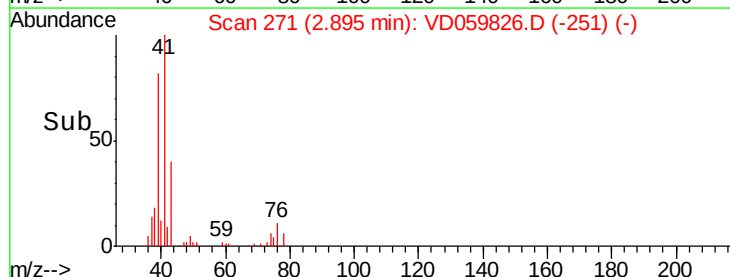
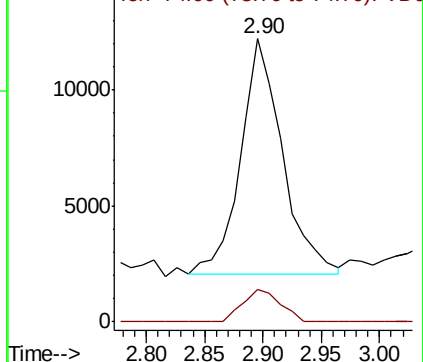
43 100

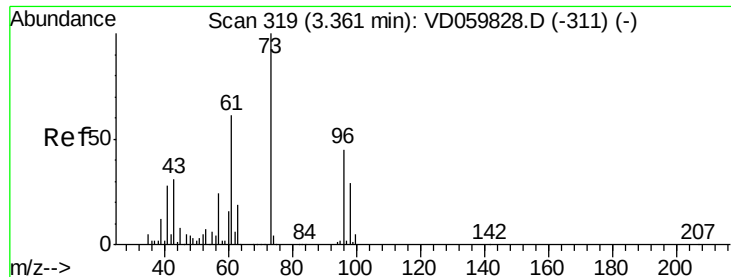
74 11.5 11.4 17.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 74.00 (73.70 to 74.70): VDC

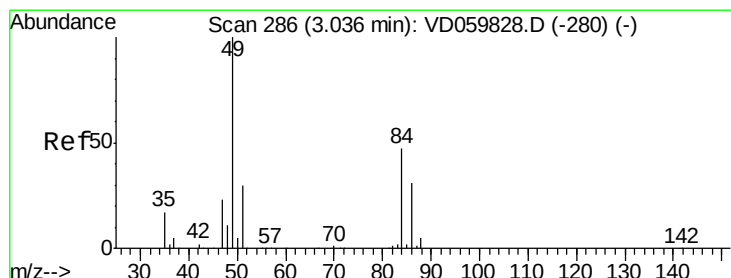
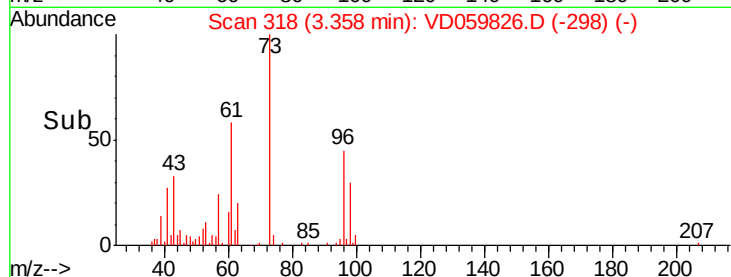
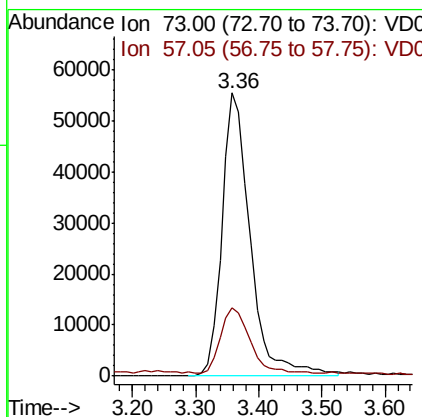
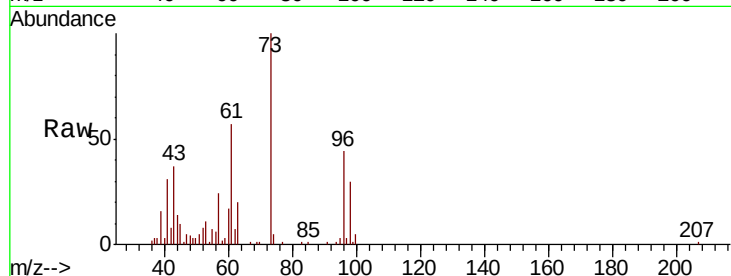




#19
Methyl tert-butyl Ether
Concen: 10.305 ug/l
RT: 3.36 min Scan# 318
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

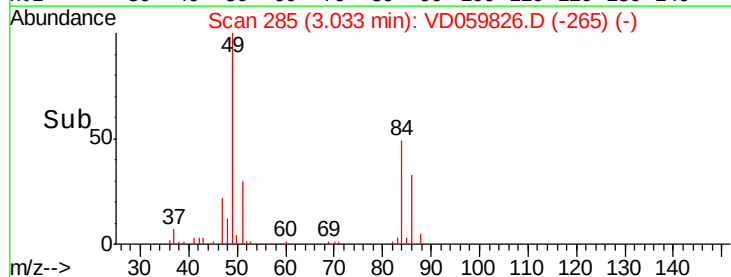
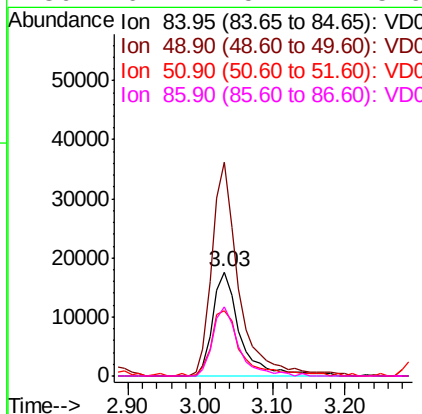
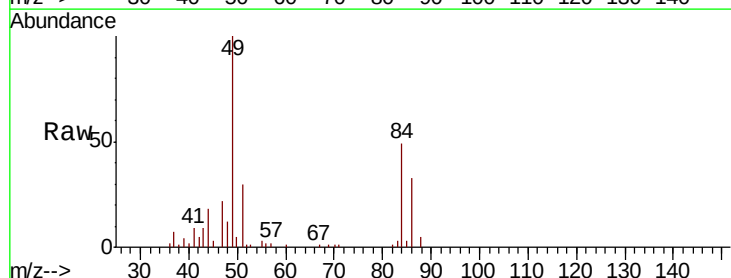
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

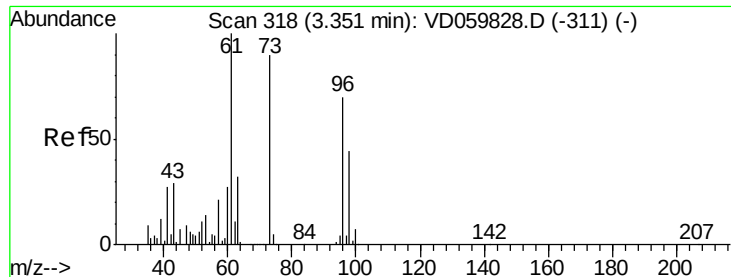
Tgt Ion: 73 Resp: 172400
Ion Ratio Lower Upper
73 100
57 24.3 19.4 29.0



#20
Methylene Chloride
Concen: 10.323 ug/l
RT: 3.03 min Scan# 285
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 84 Resp: 45916
Ion Ratio Lower Upper
84 100
49 205.9 170.4 255.6
51 62.8 51.4 77.0
86 67.2 52.4 78.6





#21

trans-1,2-Dichloroethene

Concen: 10.347 ug/l

RT: 3.35 min Scan# 317

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

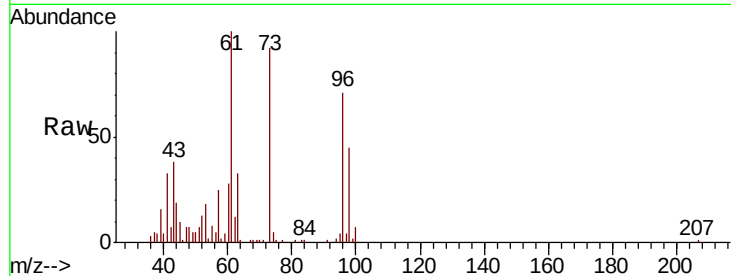
Tgt Ion: 96 Resp: 82541

Ion Ratio Lower Upper

96 100

61 140.3 114.1 171.1

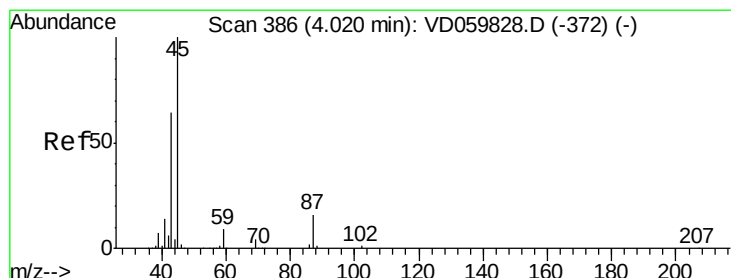
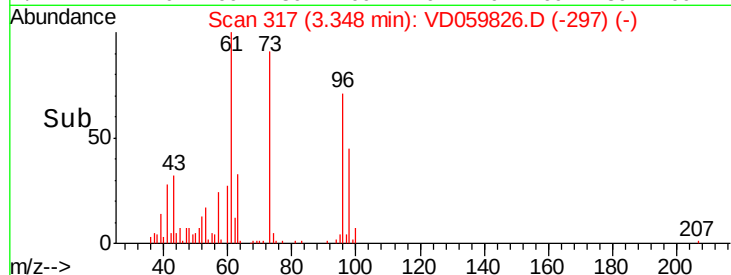
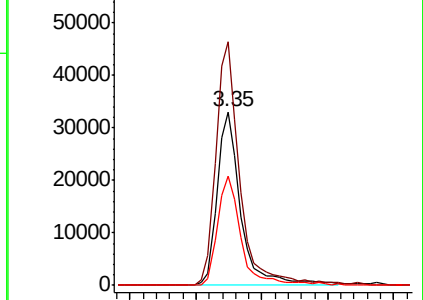
98 63.0 50.1 75.1



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: 10.185 ug/l

RT: 4.02 min Scan# 385

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion: 45 Resp: 396425

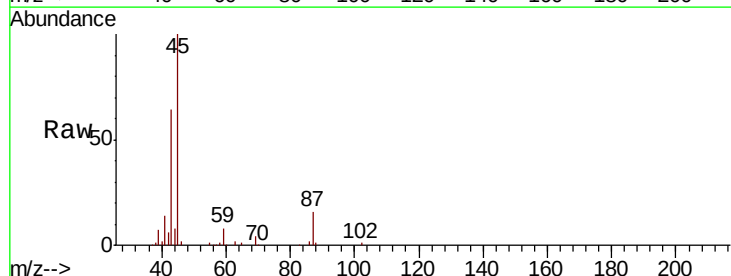
Ion Ratio Lower Upper

45 100

43 64.2 51.1 76.7

87 15.5 12.5 18.7

59 8.1 7.1 10.7

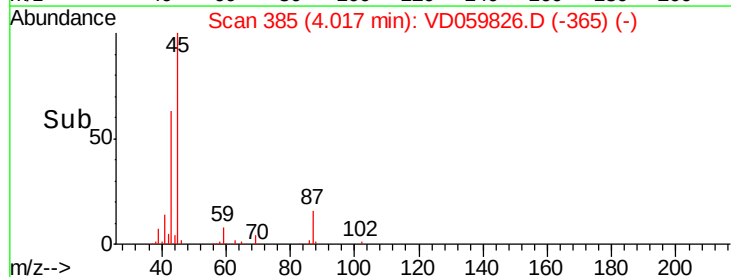
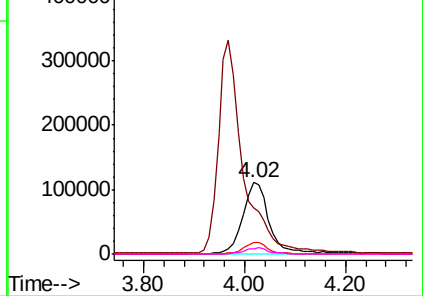


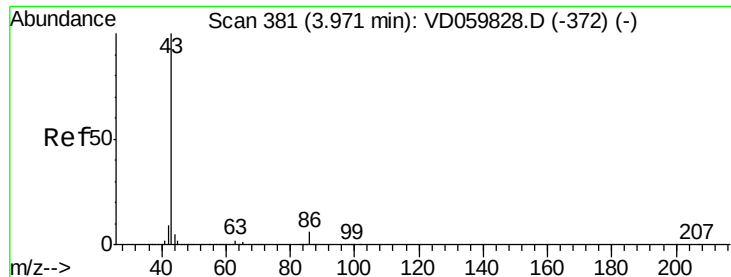
Abundance Ion 45.05 (44.75 to 45.75): VDC

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: 53.591 ug/l

RT: 3.97 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

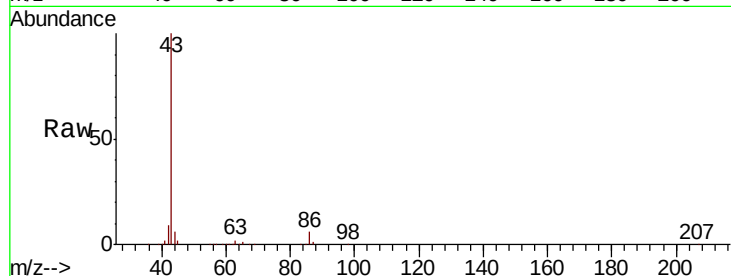
VSTDIC010

Tgt Ion: 43 Resp: 1126574

Ion Ratio Lower Upper

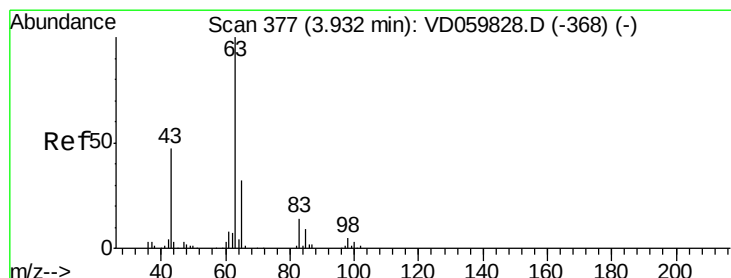
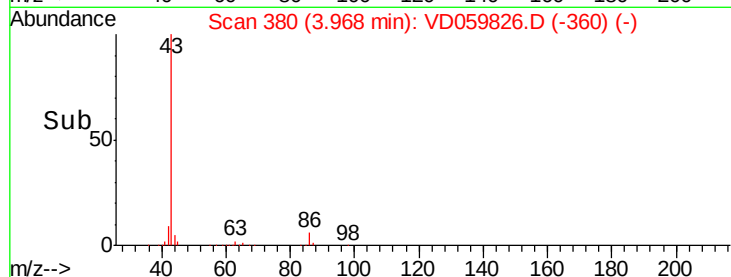
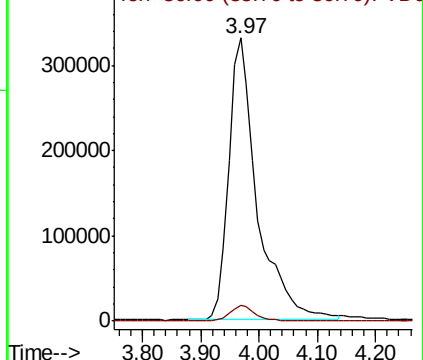
43 100

86 5.8 4.6 7.0



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 86.00 (85.70 to 86.70): VDC



#24

1,1-Dichloroethane

Concen: 9.932 ug/l

RT: 3.93 min Scan# 376

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

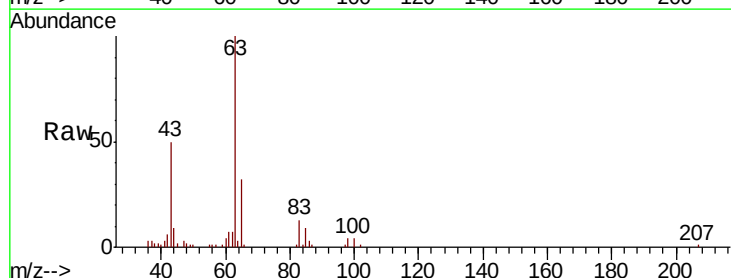
Tgt Ion: 63 Resp: 169012

Ion Ratio Lower Upper

63 100

98 4.4 2.5 7.6

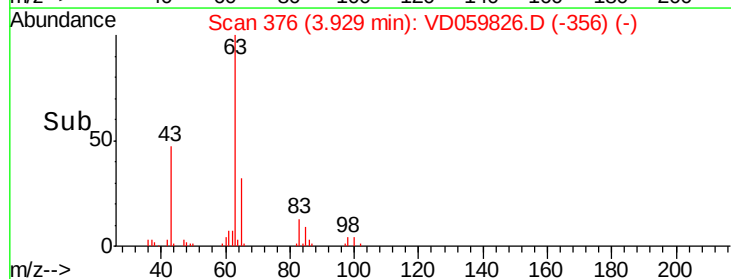
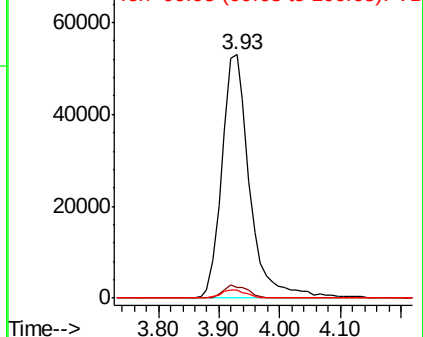
100 3.6 1.7 5.0

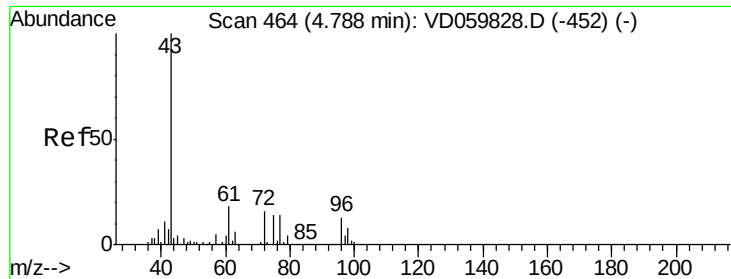


Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 97.95 (97.65 to 98.65): VDC

Ion 99.95 (99.65 to 100.65): VDC





#25

2-Butanone

Concen: 46.335 ug/l

RT: 4.78 min Scan# 463

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

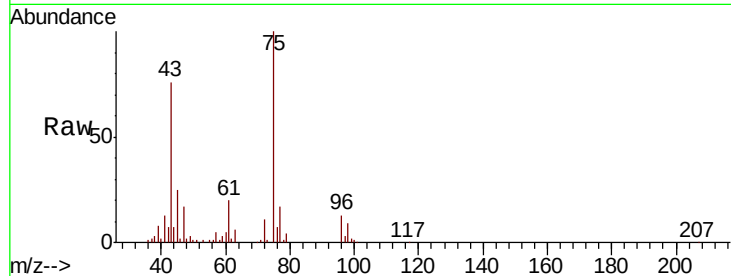
VSTDIC010

Tgt Ion: 43 Resp: 182601

Ion Ratio Lower Upper

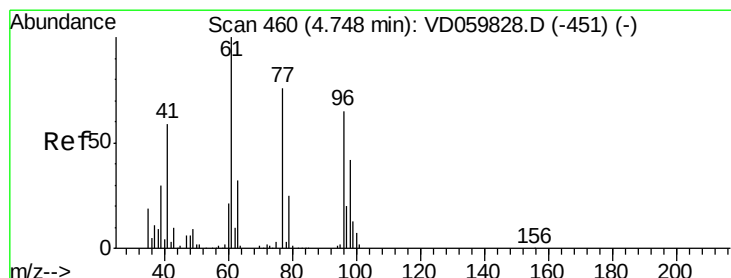
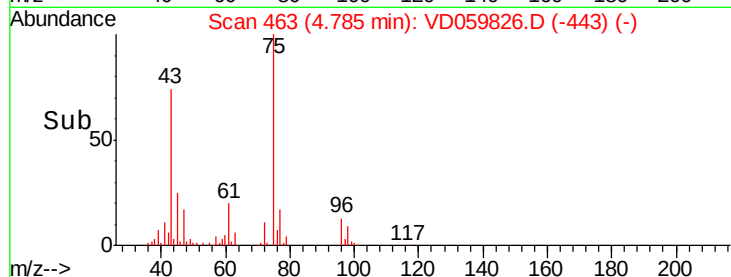
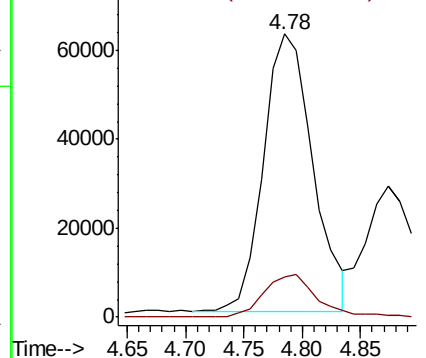
43 100

72 14.4 12.4 18.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 10.643 ug/l

RT: 4.76 min Scan# 460

Delta R.T. 0.01 min

Lab File: VD059826.D

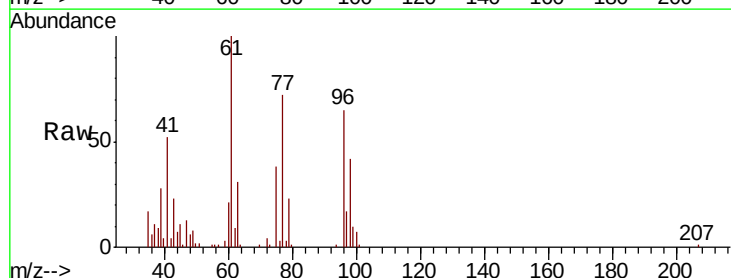
Acq: 20 Aug 2018 12:30

Tgt Ion: 77 Resp: 143688

Ion Ratio Lower Upper

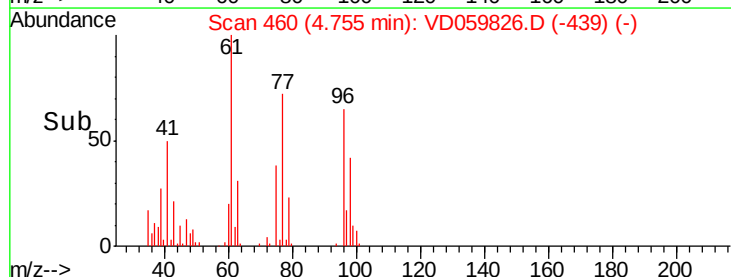
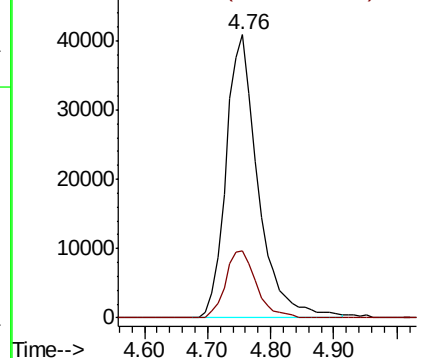
77 100

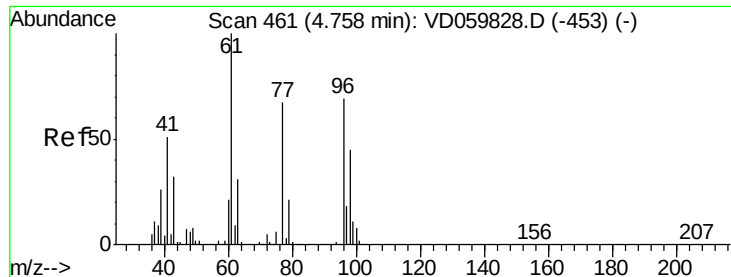
97 23.8 13.0 38.9



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



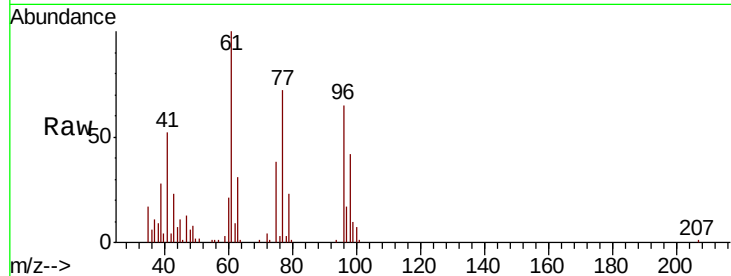


#27

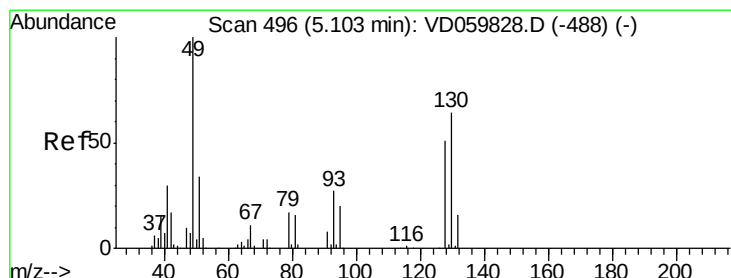
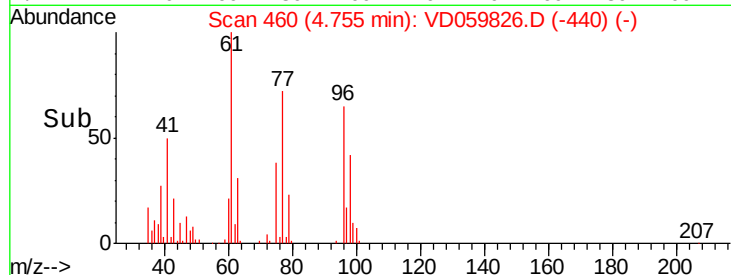
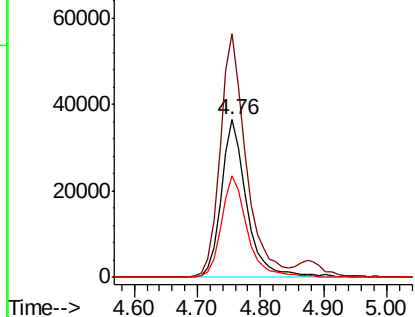
cis-1,2-Dichloroethene
 Concen: 9.959 ug/l
 RT: 4.76 min Scan# 460
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion: 96 Resp: 102216
 Ion Ratio Lower Upper
 96 100
 61 154.3 0.0 291.8
 98 64.6 0.0 131.6



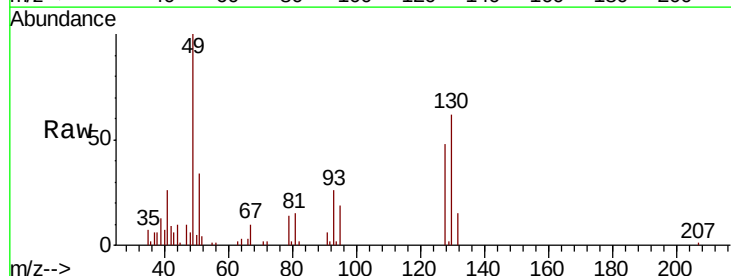
Abundance Ion 95.90 (95.60 to 96.60): VDC
 Ion 60.95 (60.65 to 61.65): VDC
 Ion 97.85 (97.55 to 98.55): VDC



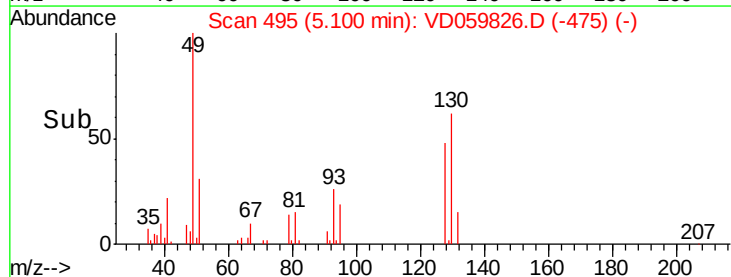
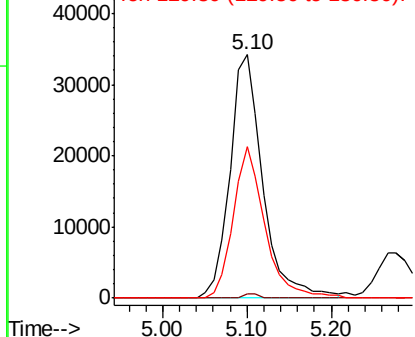
#28

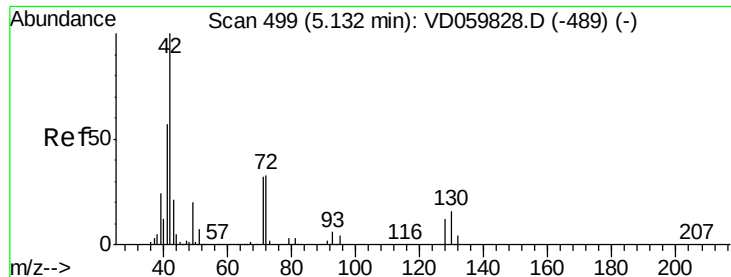
Bromochloromethane
 Concen: 10.623 ug/l
 RT: 5.10 min Scan# 495
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 49 Resp: 92658
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 3.8
 130 62.3 51.0 76.6



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

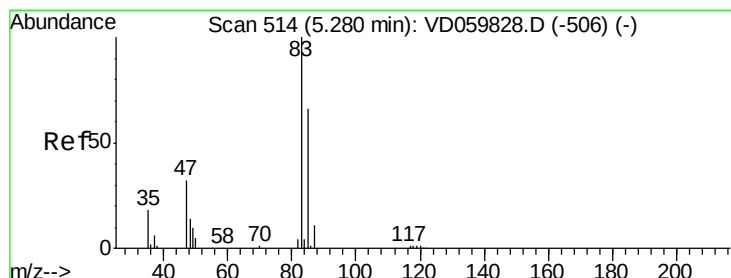
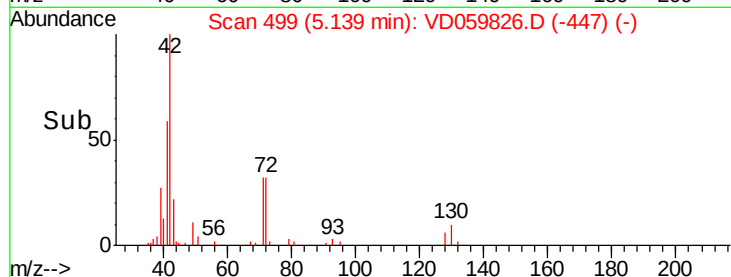
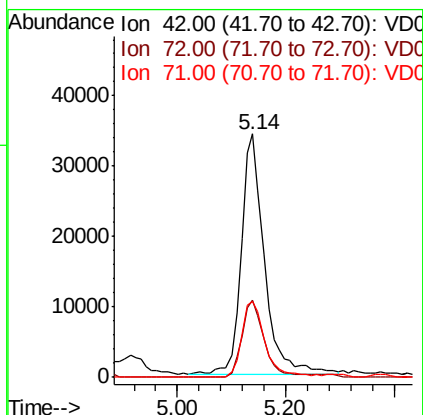
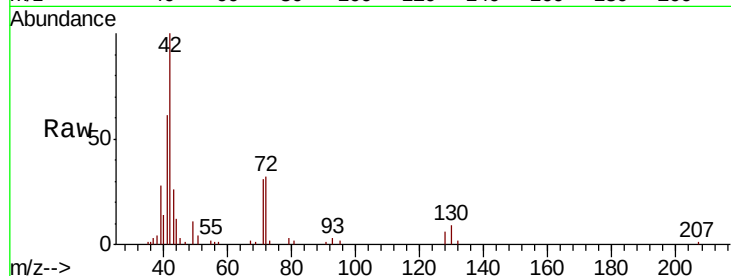




#29
Tetrahydrofuran
Concen: 51.552 ug/l
RT: 5.14 min Scan# 499
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

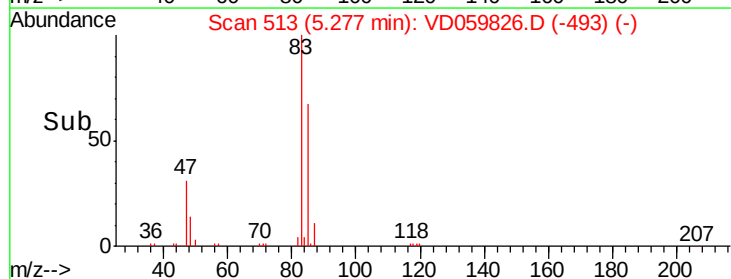
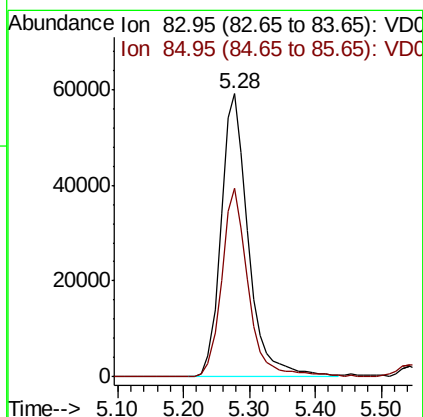
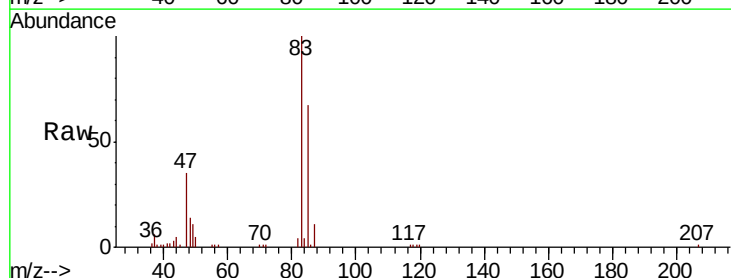
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

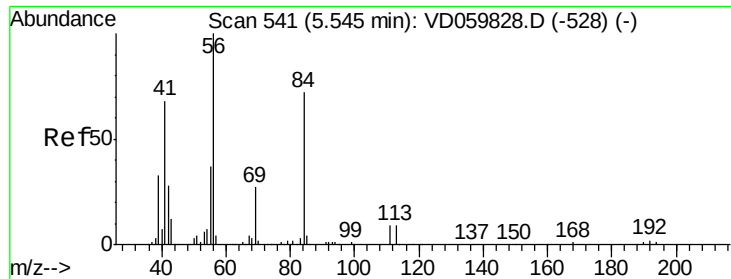
Tgt Ion: 42 Resp: 101896
Ion Ratio Lower Upper
42 100
72 30.5 25.8 38.6
71 31.6 25.7 38.5



#30
Chloroform
Concen: 10.180 ug/l
RT: 5.28 min Scan# 513
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 83 Resp: 170615
Ion Ratio Lower Upper
83 100
85 66.7 52.9 79.3

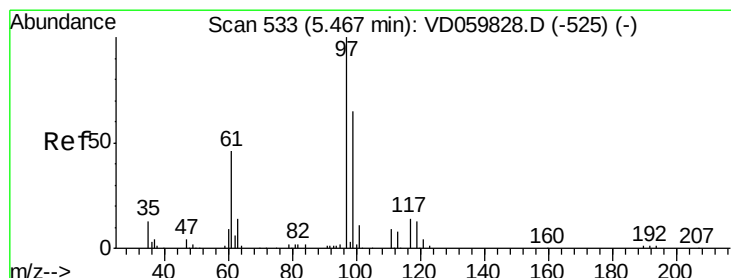
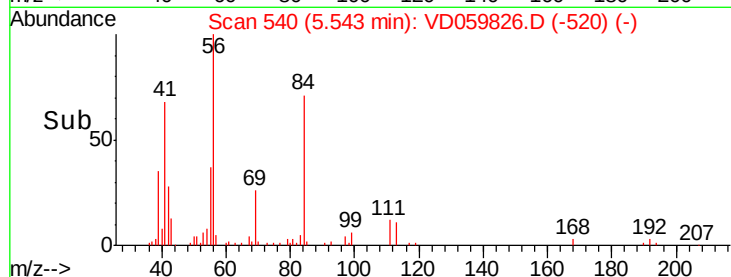
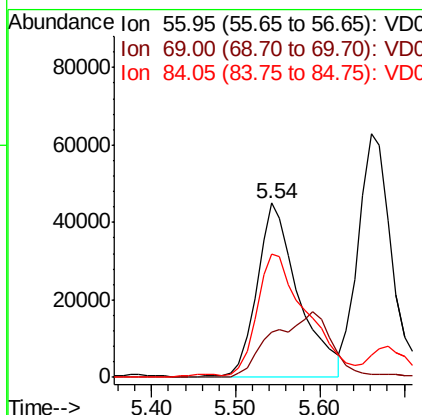
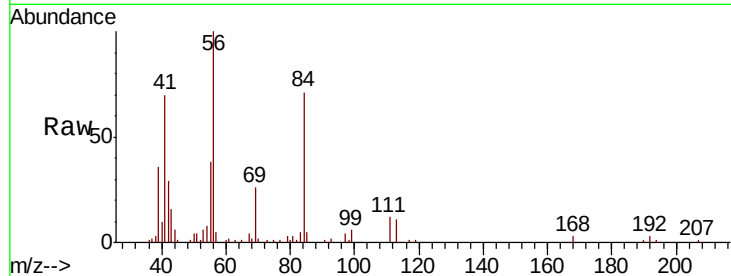




#31
Cyclohexane
Concen: 9.953 ug/l
RT: 5.54 min Scan# 540
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

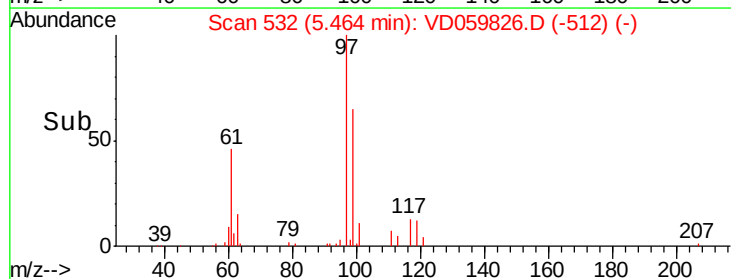
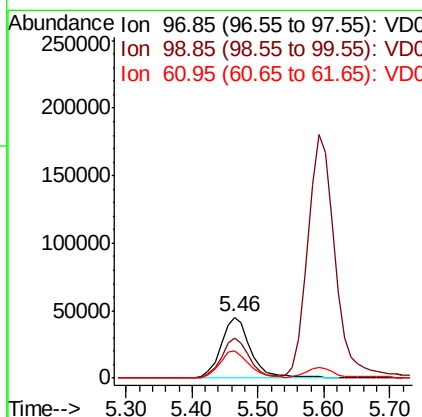
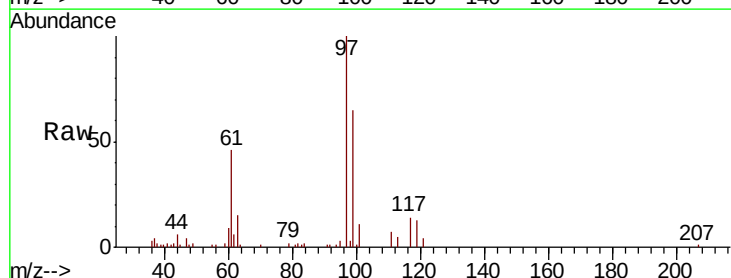
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

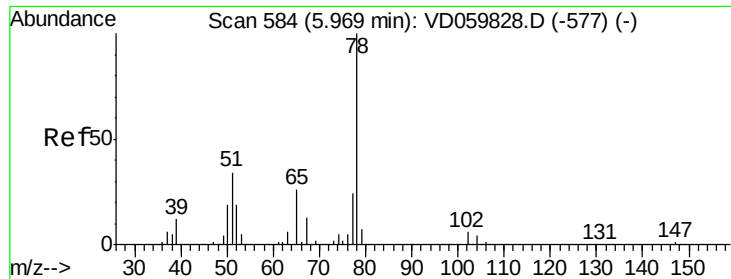
Tgt Ion: 56 Resp: 154767
Ion Ratio Lower Upper
56 100
69 25.9 21.7 32.5
84 70.8 57.8 86.6



#32
1,1,1-Trichloroethane
Concen: 10.018 ug/l
RT: 5.46 min Scan# 532
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 97 Resp: 141738
Ion Ratio Lower Upper
97 100
99 65.2 51.9 77.9
61 45.5 37.0 55.6

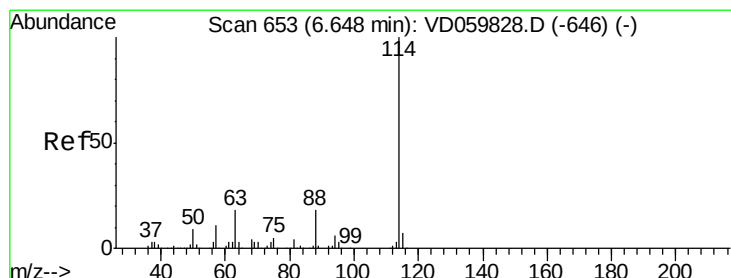
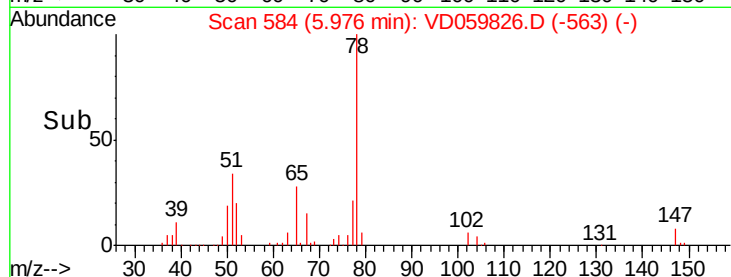
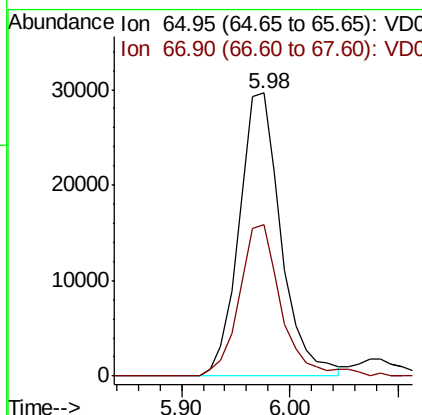
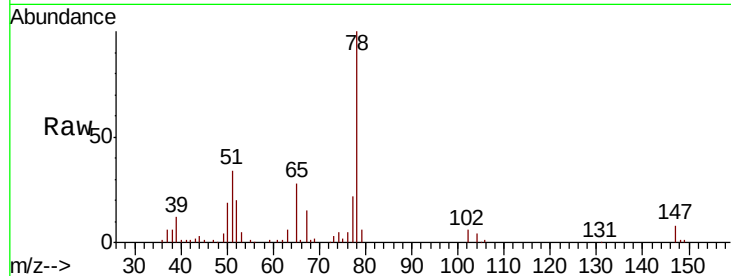




#33
 1,2-Dichloroethane-d4
 Concen: 10.018 ug/l
 RT: 5.98 min Scan# 584
 Delta R.T. 0.01 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

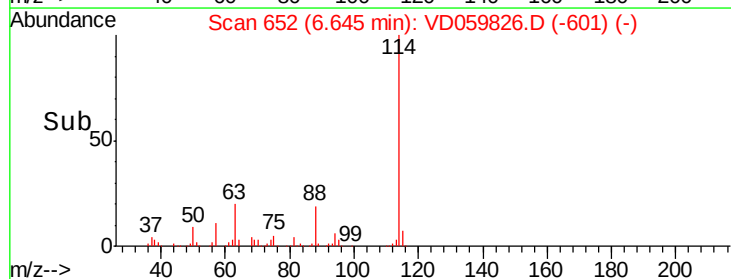
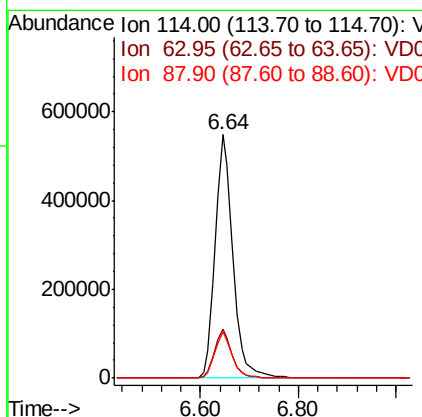
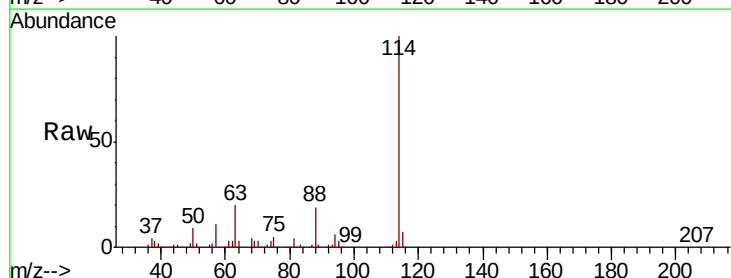
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

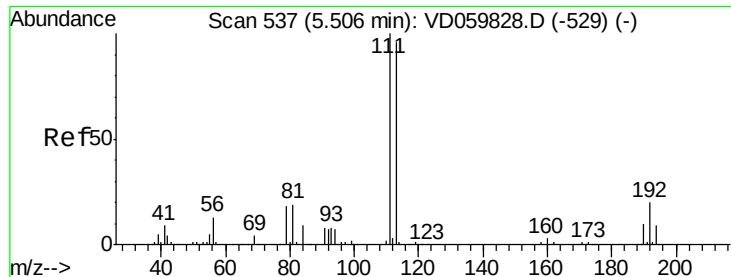
Tgt Ion: 65 Resp: 79810
 Ion Ratio Lower Upper
 65 100
 67 53.7 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.64 min Scan# 652
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 114 Resp: 1395101
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 37.0
 88 19.3 0.0 37.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 5.50 min Scan# 536

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

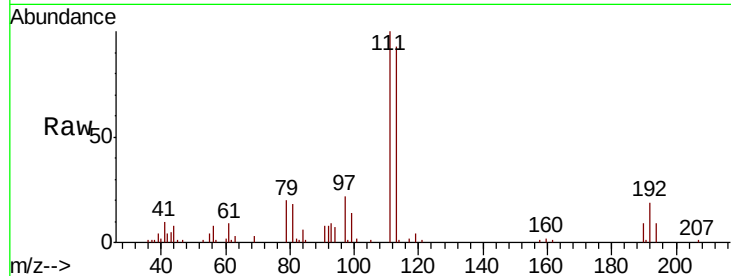
Tgt Ion:113 Resp: 106912

Ion Ratio Lower Upper

113 100

111 107.3 83.3 124.9

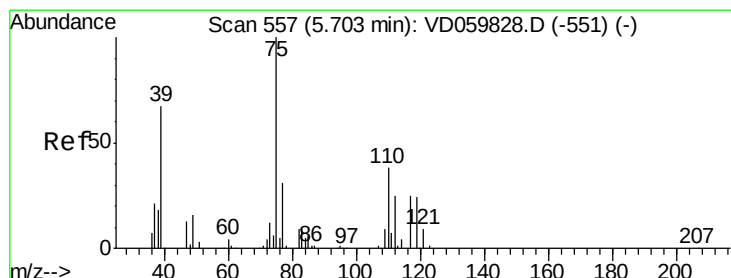
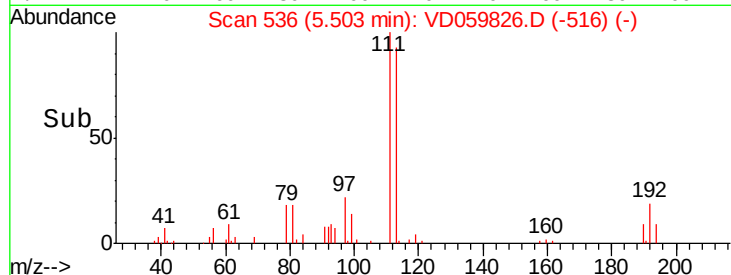
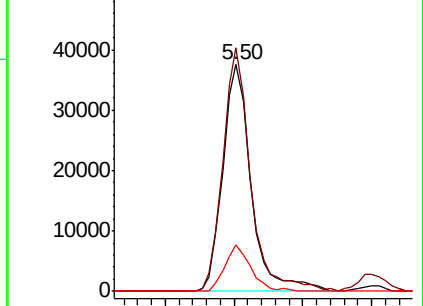
192 20.3 16.8 25.2



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: 10.179 ug/l

RT: 5.70 min Scan# 556

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

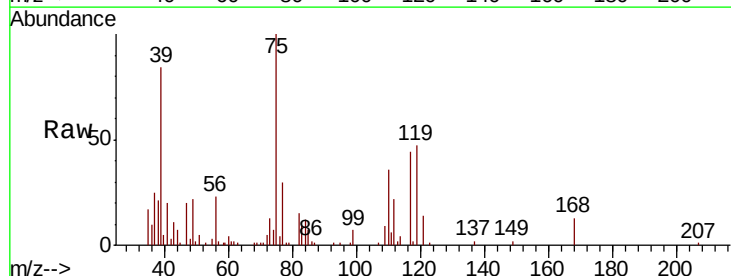
Tgt Ion: 75 Resp: 122154

Ion Ratio Lower Upper

75 100

110 36.4 18.8 56.4

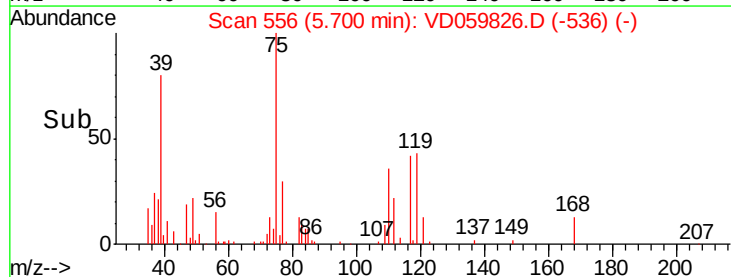
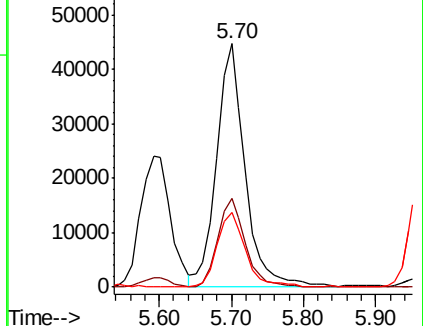
77 30.4 24.9 37.3

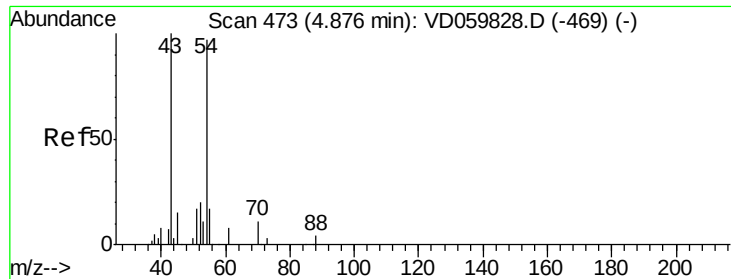


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.95 (76.65 to 77.65): V

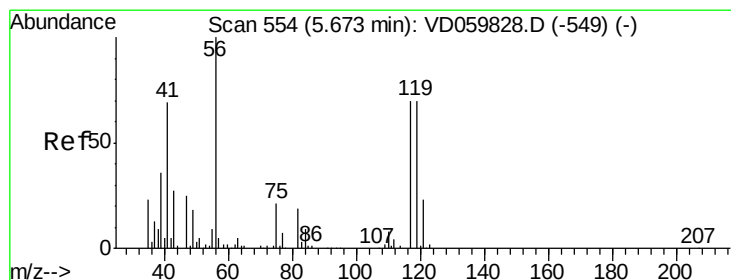
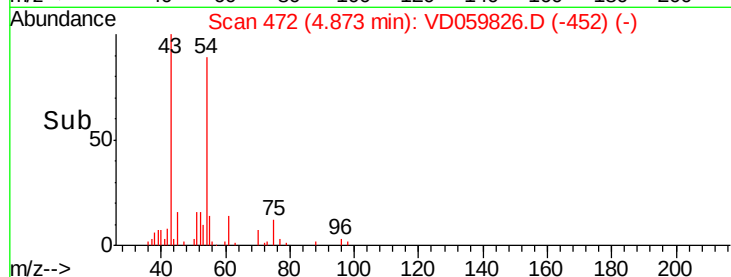
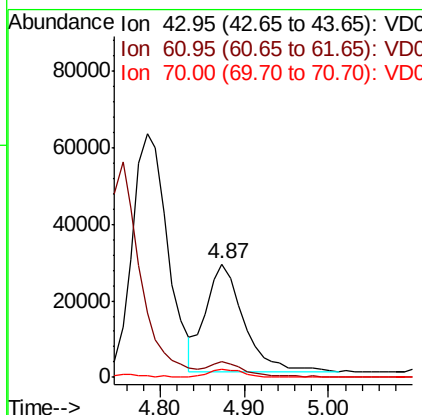
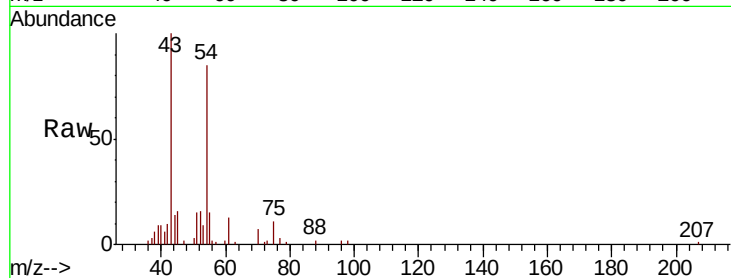




#37
 Ethyl Acetate
 Concen: 10.250 ug/l
 RT: 4.87 min Scan# 472
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

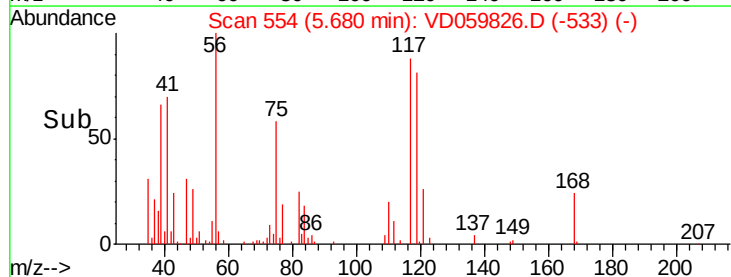
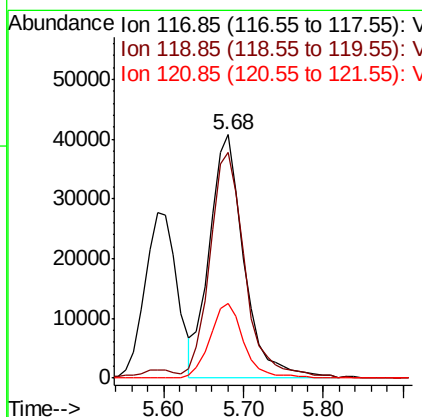
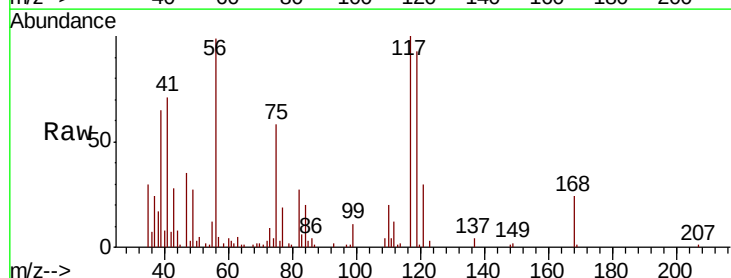
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

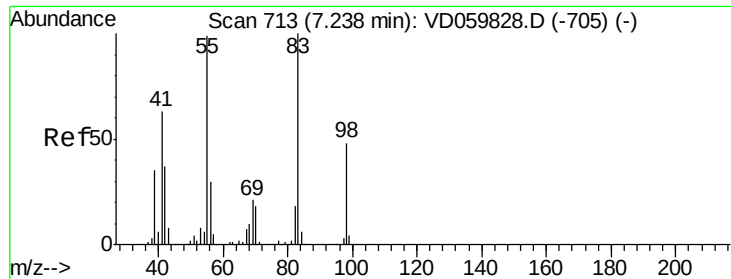
Tgt Ion: 43 Resp: 89516
 Ion Ratio Lower Upper
 43 100
 61 13.4 10.4 15.6
 70 6.9 6.2 9.2



#38
 Carbon Tetrachloride
 Concen: 10.394 ug/l
 RT: 5.68 min Scan# 554
 Delta R.T. 0.01 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 117 Resp: 124029
 Ion Ratio Lower Upper
 117 100
 119 92.5 77.0 115.4
 121 30.5 24.7 37.1

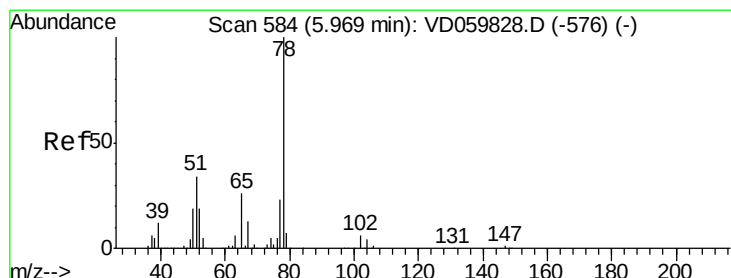
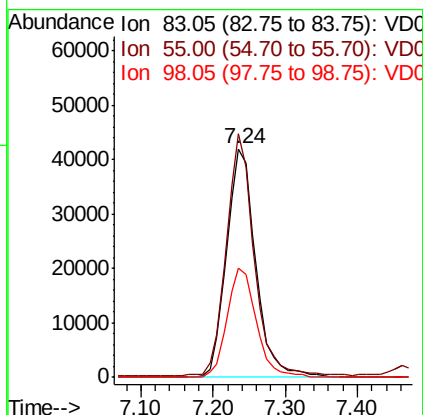
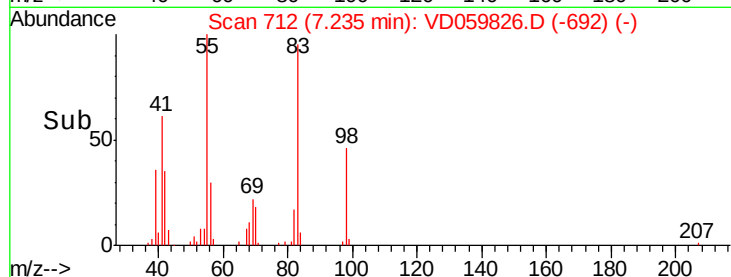
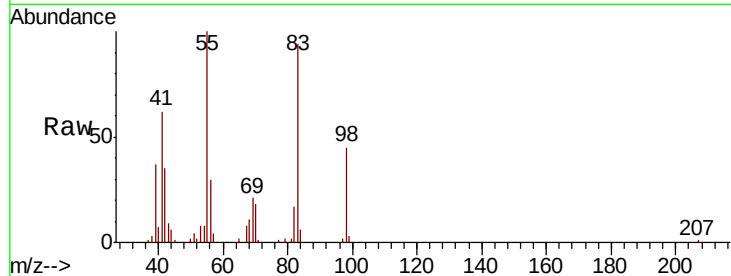




#39
Methylcyclohexane
Concen: 9.248 ug/l
RT: 7.24 min Scan# 712
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

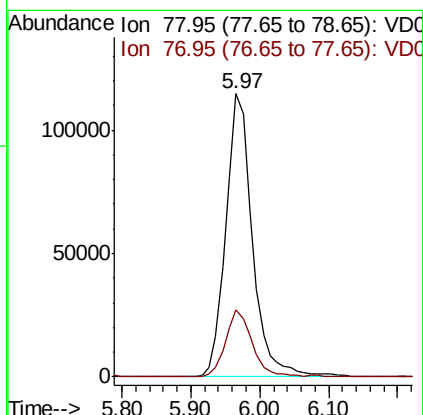
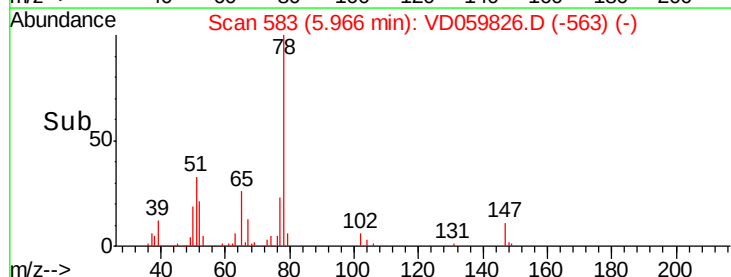
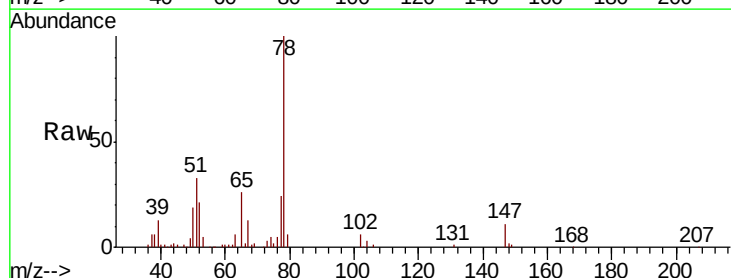
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

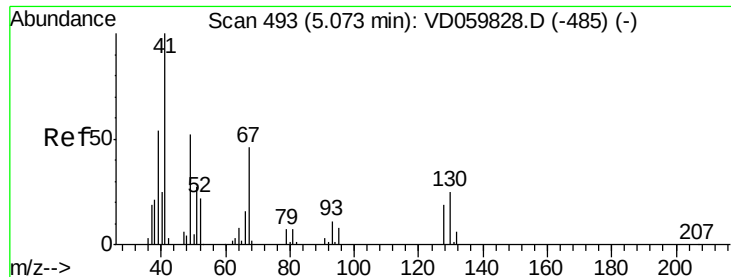
Tgt Ion: 83 Resp: 117985
Ion Ratio Lower Upper
83 100
55 106.7 79.0 118.6
98 48.0 38.1 57.1



#40
Benzene
Concen: 9.919 ug/l
RT: 5.97 min Scan# 583
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 78 Resp: 307319
Ion Ratio Lower Upper
78 100
77 23.6 18.8 28.2

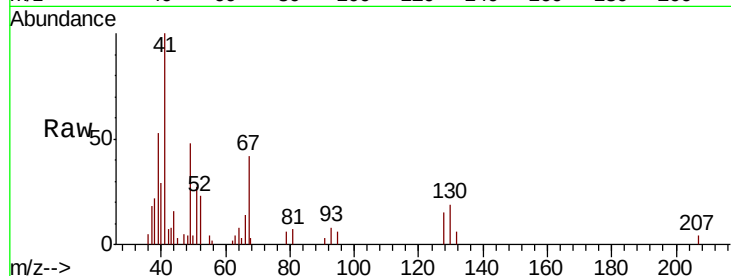




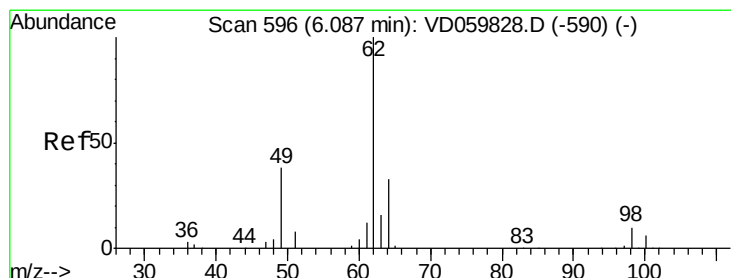
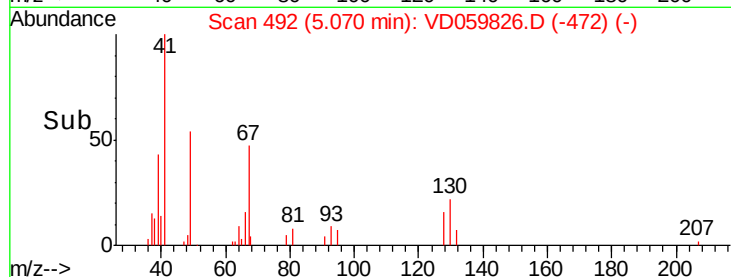
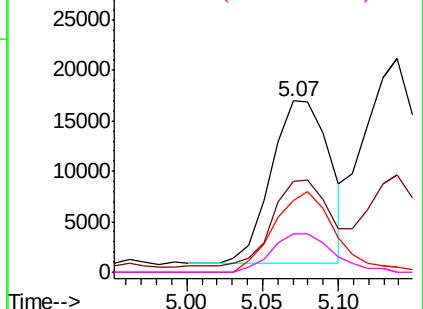
#41
Methacrylonitrile
Concen: 9.577 ug/l
RT: 5.07 min Scan# 492
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:	41	Resp:	43066
Ion	Ratio	Lower	Upper
41	100		
39	53.3	43.0	64.6
67	41.9	36.7	55.1
52	22.8	18.0	27.0

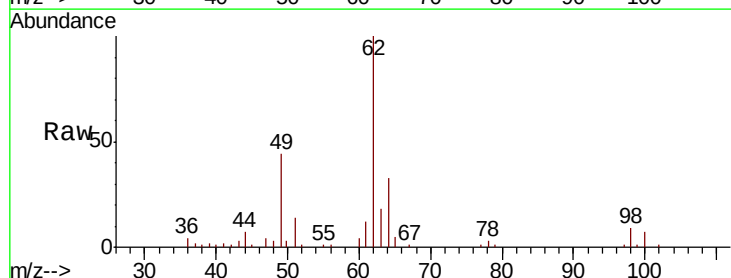


Abundance Ion 40.95 (40.65 to 41.65): VDC
Ion 38.95 (38.65 to 39.65): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

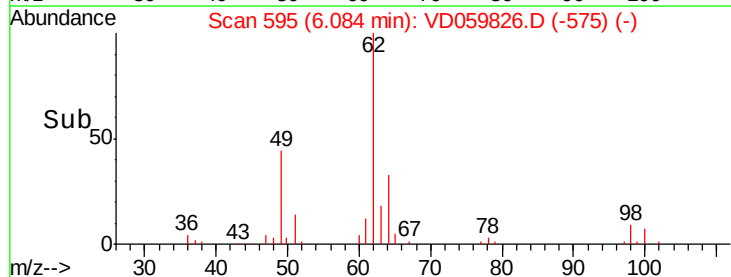
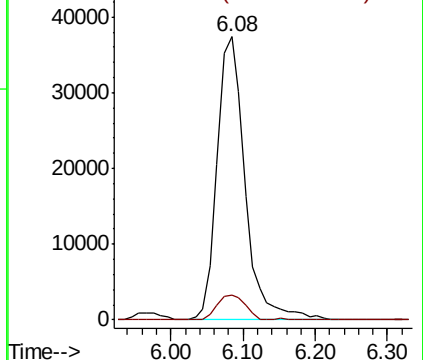


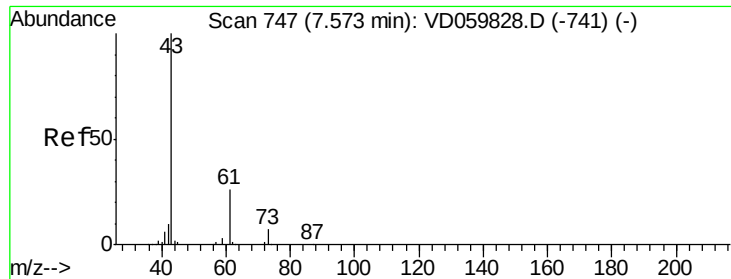
#42
1,2-Dichloroethane
Concen: 10.061 ug/l
RT: 6.08 min Scan# 595
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion:	62	Resp:	100103
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4



Abundance Ion 61.95 (61.65 to 62.65): VDC
Ion 97.85 (97.55 to 98.55): VDC





#43

Isopropyl Acetate

Concen: 9.926 ug/l

RT: 7.57 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

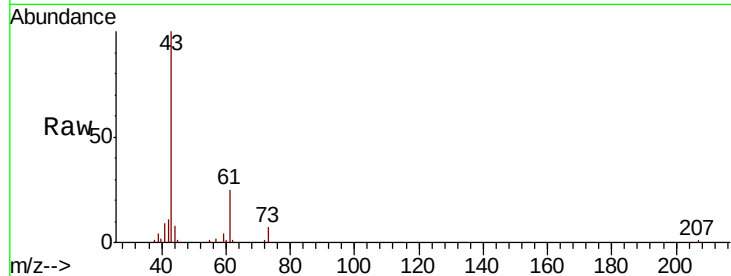
Tgt Ion: 43 Resp: 118934

Ion Ratio Lower Upper

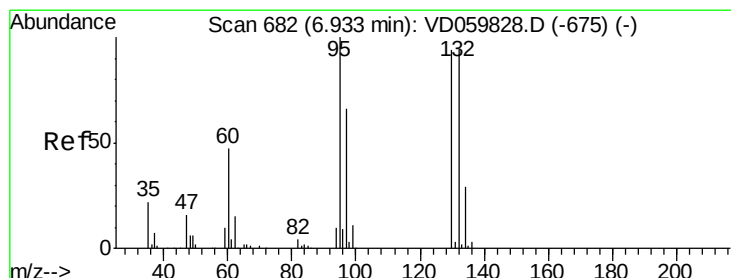
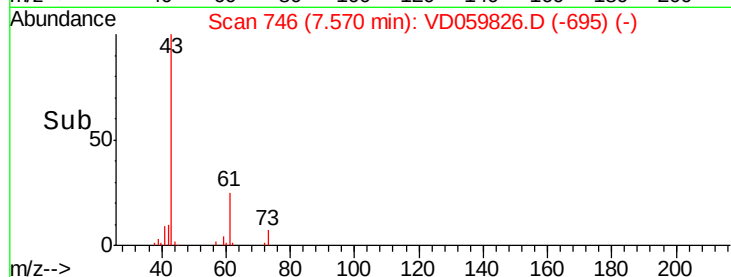
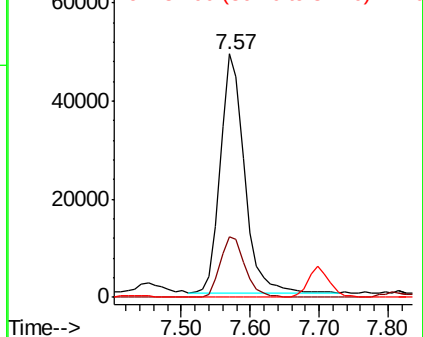
43 100

61 24.7 21.0 31.4

87 0.0 0.2 0.4#



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



#44

Trichloroethene

Concen: 9.970 ug/l

RT: 6.93 min Scan# 681

Delta R.T. -0.00 min

Lab File: VD059826.D

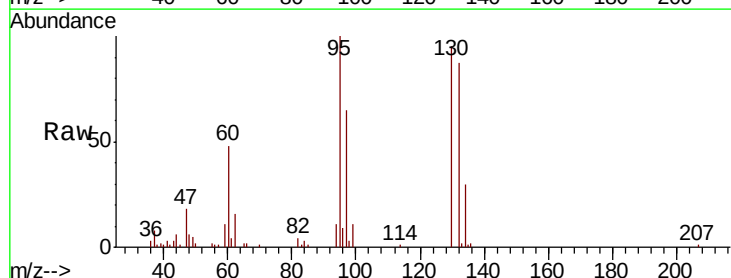
Acq: 20 Aug 2018 12:30

Tgt Ion: 130 Resp: 91029

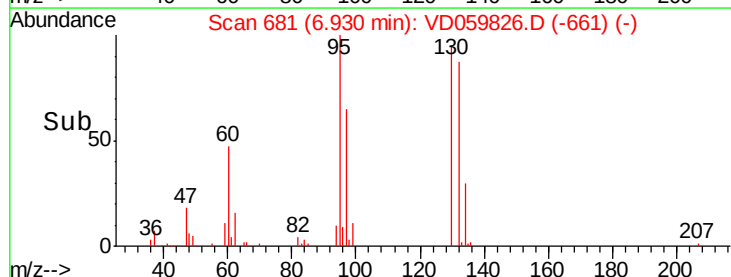
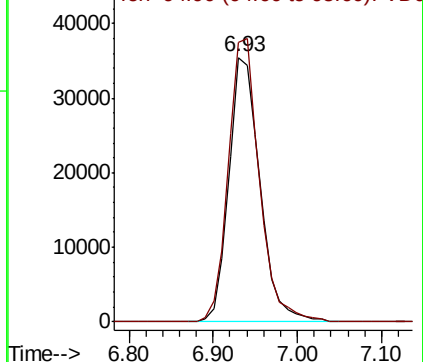
Ion Ratio Lower Upper

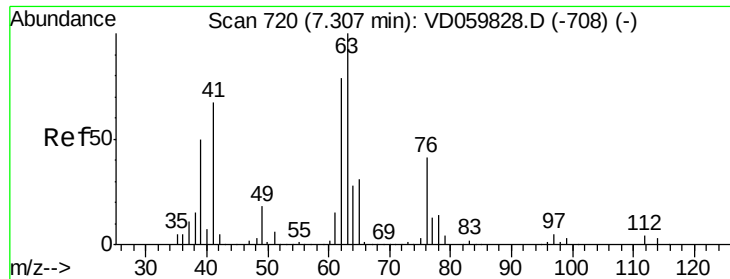
130 100

95 105.7 0.0 213.0



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

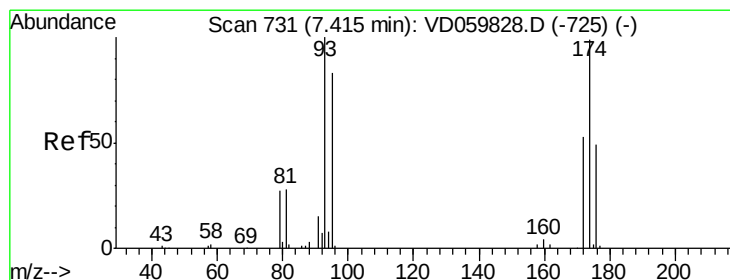
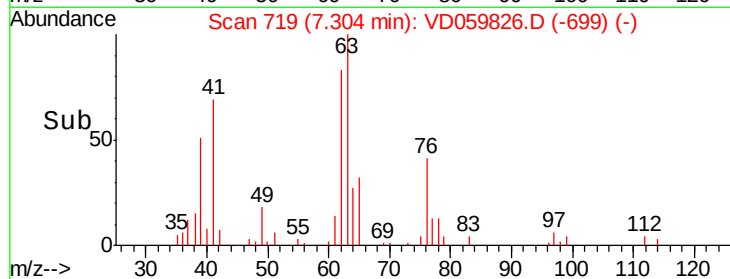
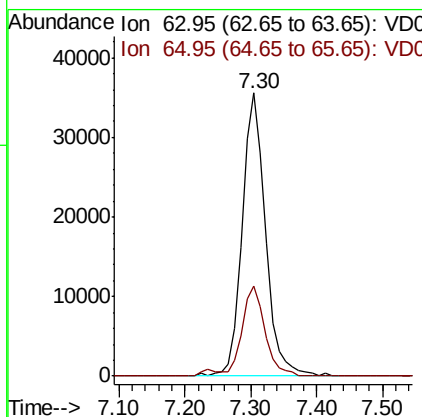
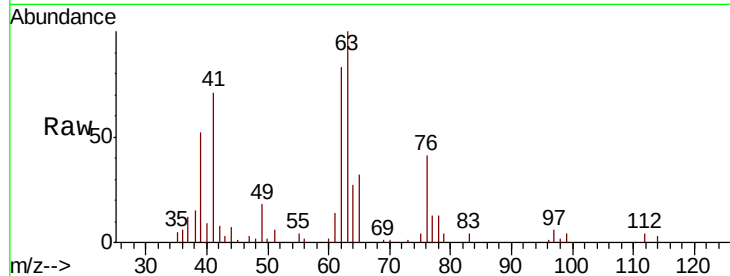




#45
 1,2-Dichloropropane
 Concen: 9.872 ug/l
 RT: 7.30 min Scan# 719
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

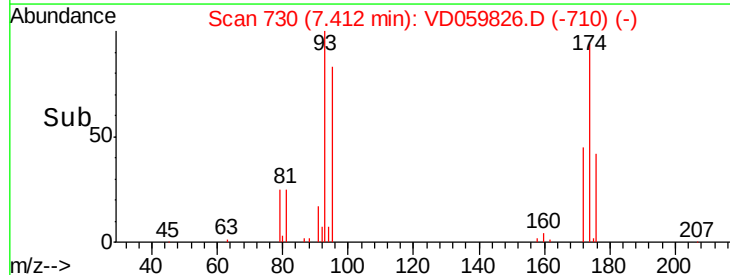
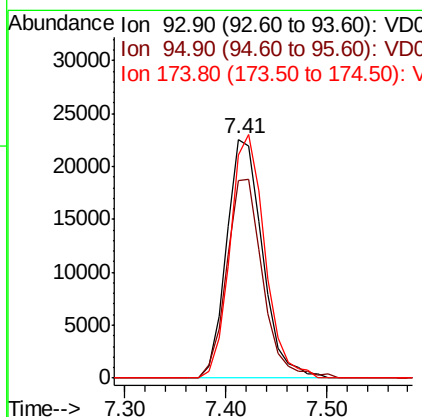
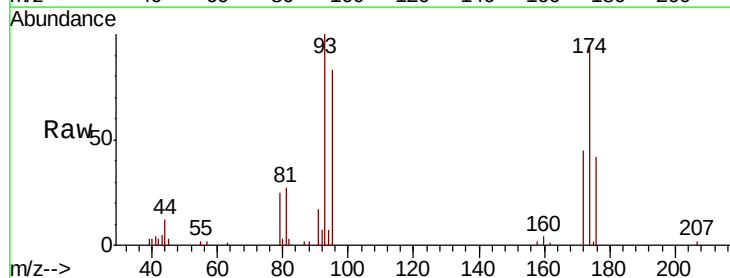
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

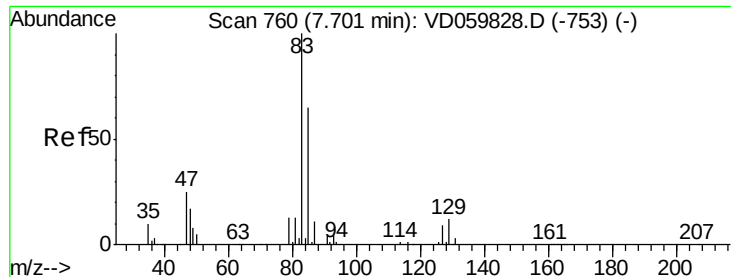
Tgt Ion: 63 Resp: 88660
 Ion Ratio Lower Upper
 63 100
 65 31.7 24.5 36.7



#46
 Dibromomethane
 Concen: 9.995 ug/l
 RT: 7.41 min Scan# 730
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 93 Resp: 55783
 Ion Ratio Lower Upper
 93 100
 95 82.6 66.3 99.5
 174 93.7 79.4 119.0





#47

Bromodichloromethane

Concen: 9.971 ug/l

RT: 7.70 min Scan# 759

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

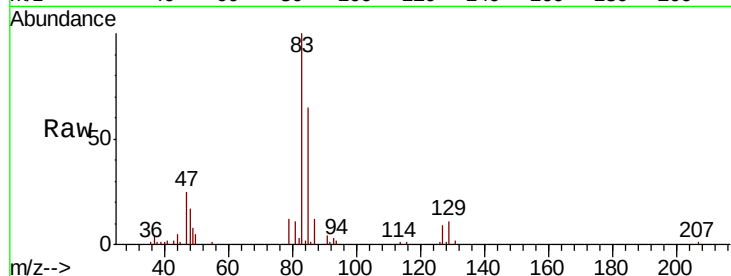
Tgt Ion: 83 Resp: 123486

Ion Ratio Lower Upper

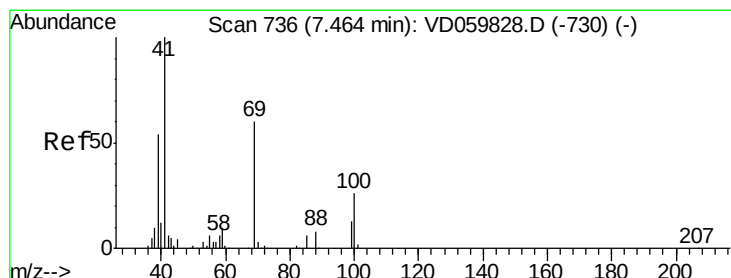
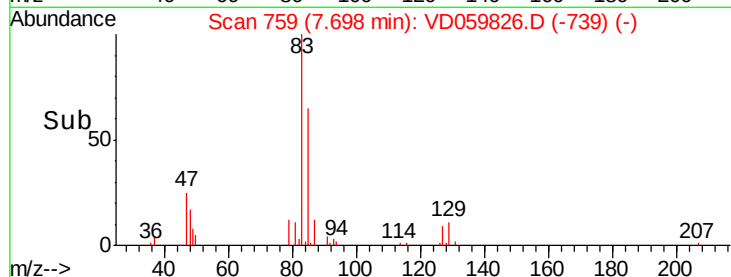
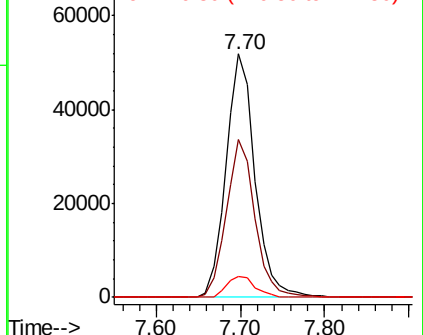
83 100

85 65.1 52.2 78.4

127 8.8 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: 9.791 ug/l

RT: 7.46 min Scan# 735

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

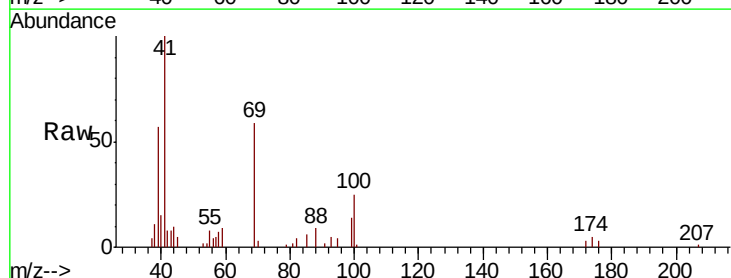
Tgt Ion: 41 Resp: 65610

Ion Ratio Lower Upper

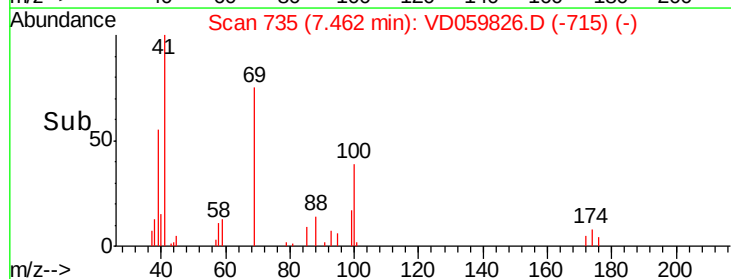
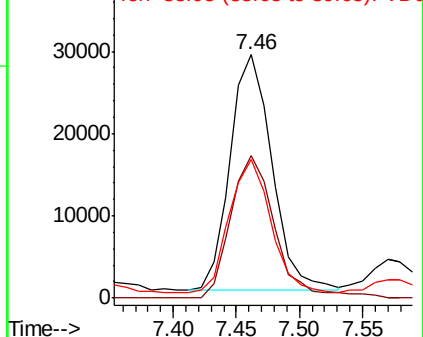
41 100

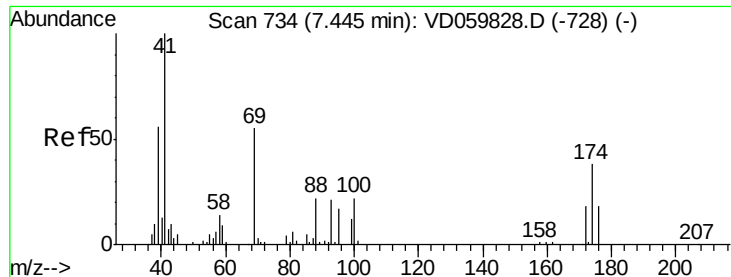
69 58.5 47.0 70.4

39 57.2 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: 200.132 ug/l

RT: 7.45 min Scan# 734

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

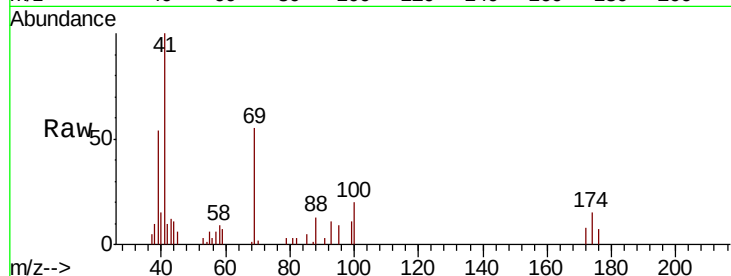
Tgt Ion: 88 Resp: 11172

Ion Ratio Lower Upper

88 100

43 86.8 41.4 62.0#

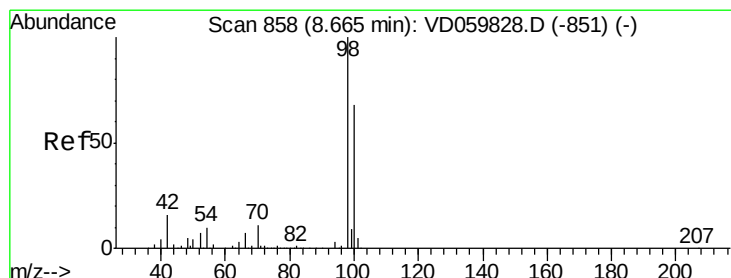
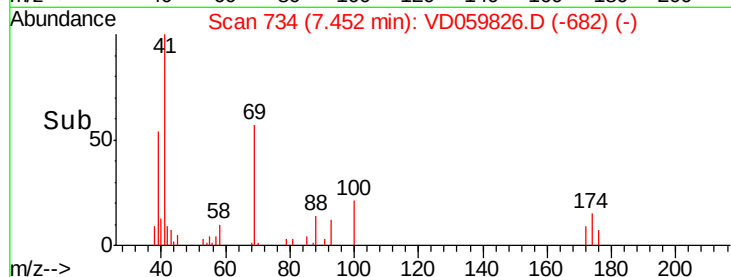
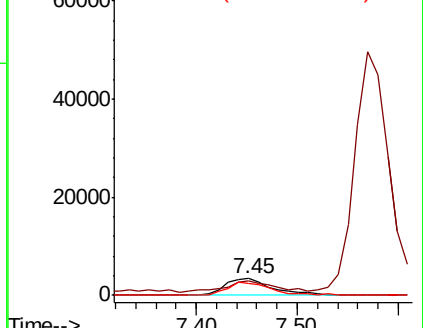
58 69.0 52.4 78.6



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: 200.132 ug/l

RT: 8.66 min Scan# 857

Delta R.T. -0.00 min

Lab File: VD059826.D

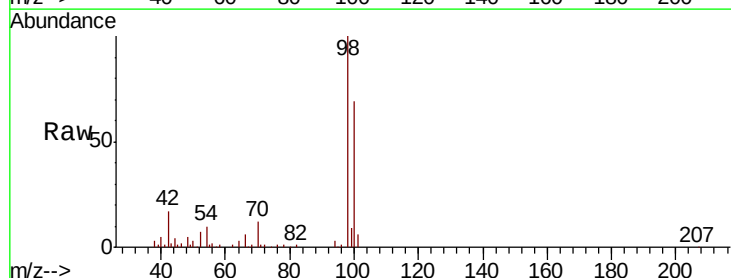
Acq: 20 Aug 2018 12:30

Tgt Ion: 98 Resp: 286766

Ion Ratio Lower Upper

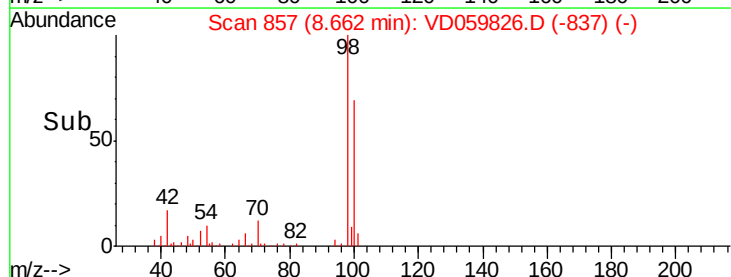
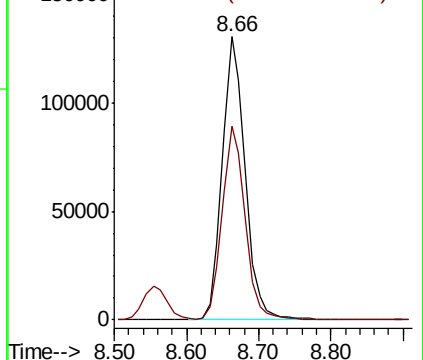
98 100

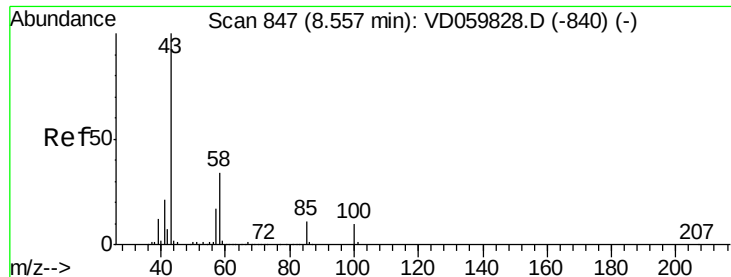
100 68.7 55.0 82.4



Abundance Ion 98.05 (97.75 to 98.75): VDC

Ion 100.05 (99.75 to 100.75): VDC

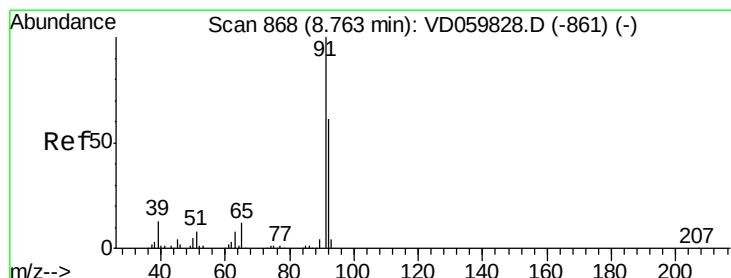
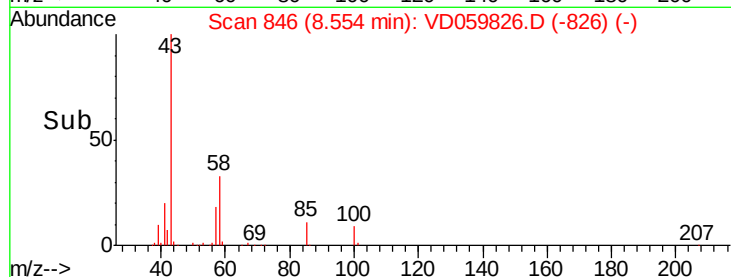
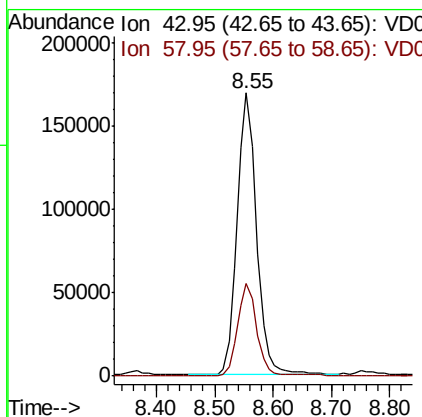
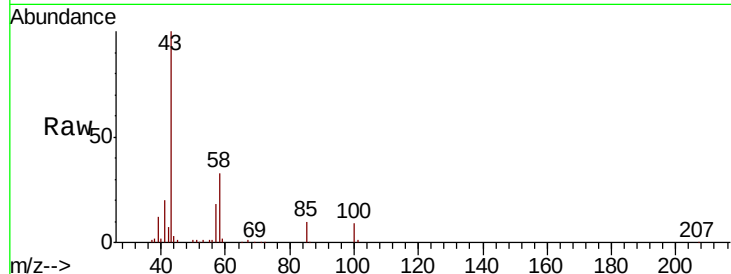




#51
 4-Methyl-2-Pentanone
 Concen: 47.705 ug/l
 RT: 8.55 min Scan# 846
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

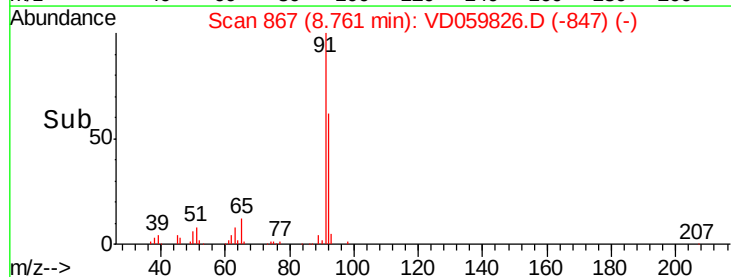
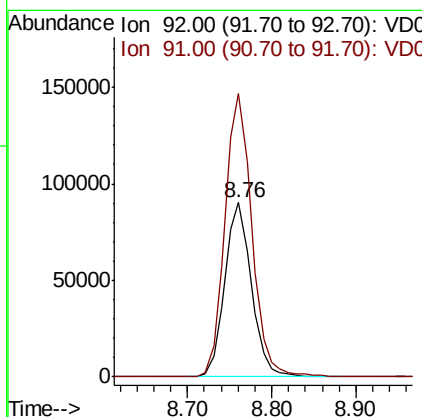
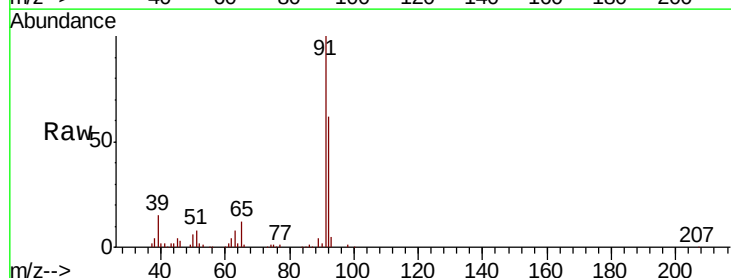
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

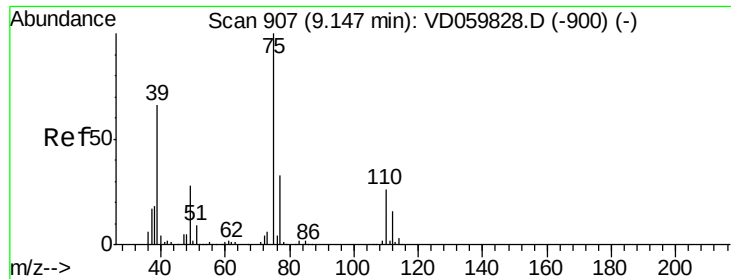
Tgt Ion: 43 Resp: 393110
 Ion Ratio Lower Upper
 43 100
 58 32.6 27.0 40.4



#52
 Toluene
 Concen: 10.091 ug/l
 RT: 8.76 min Scan# 867
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 92 Resp: 198366
 Ion Ratio Lower Upper
 92 100
 91 162.5 131.7 197.5





#53

t-1,3-Dichloropropene

Concen: 9.804 ug/l

RT: 9.14 min Scan# 906

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

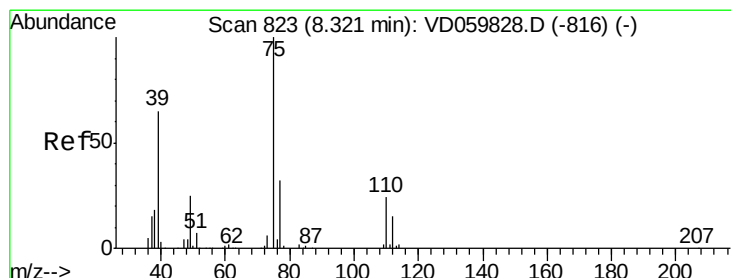
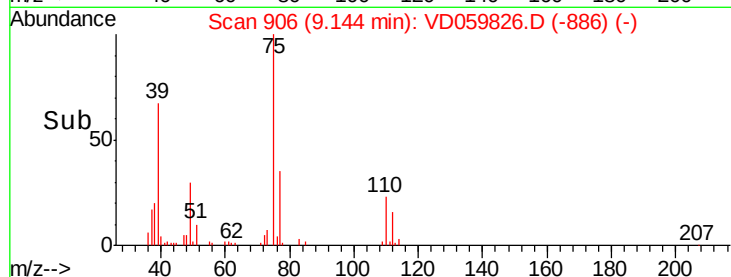
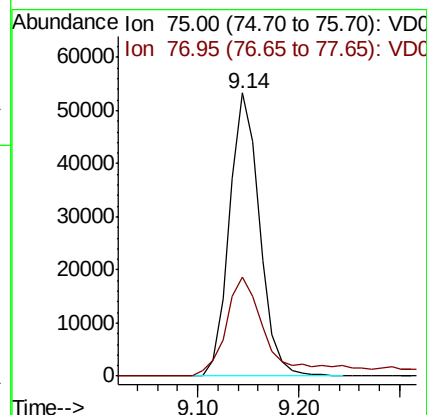
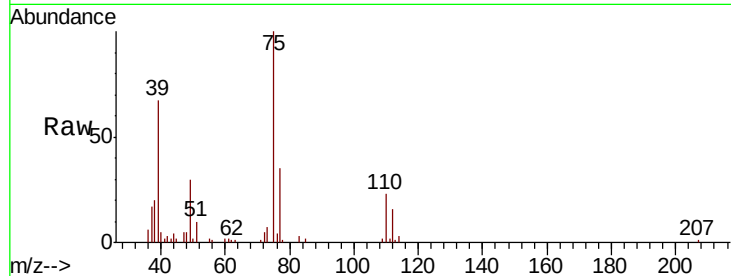
VSTDIC010

Tgt Ion: 75 Resp: 110573

Ion Ratio Lower Upper

75 100

77 35.2 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 9.867 ug/l

RT: 8.32 min Scan# 822

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

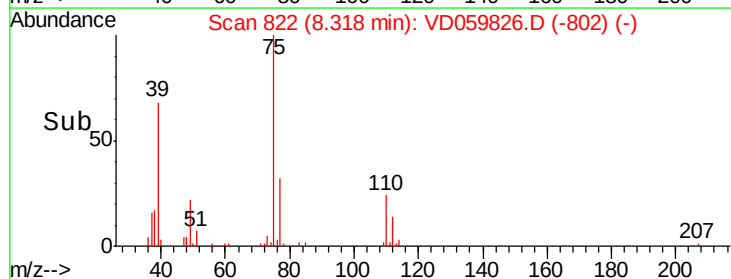
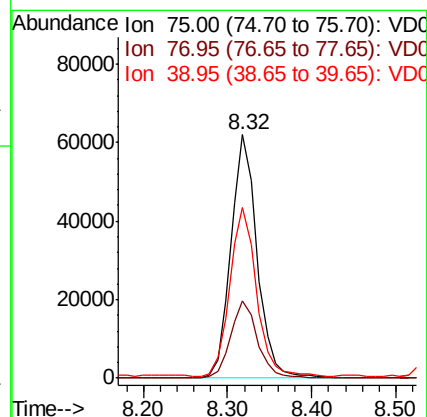
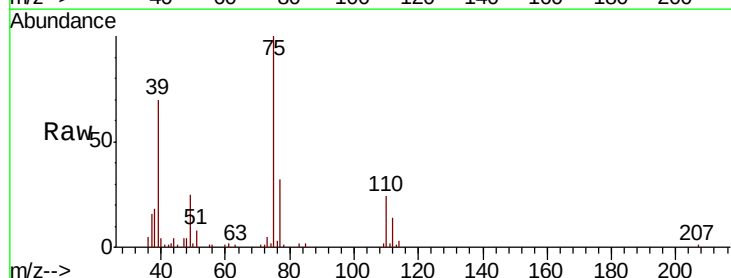
Tgt Ion: 75 Resp: 133597

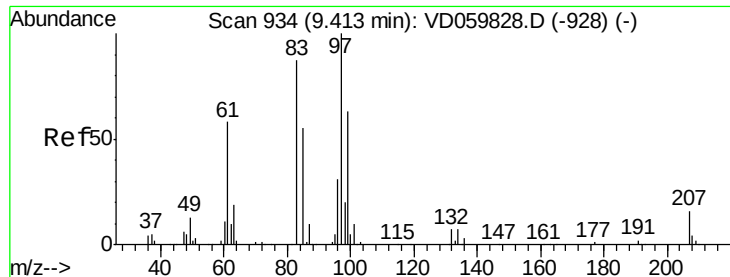
Ion Ratio Lower Upper

75 100

77 31.9 25.8 38.8

39 69.9 52.2 78.4

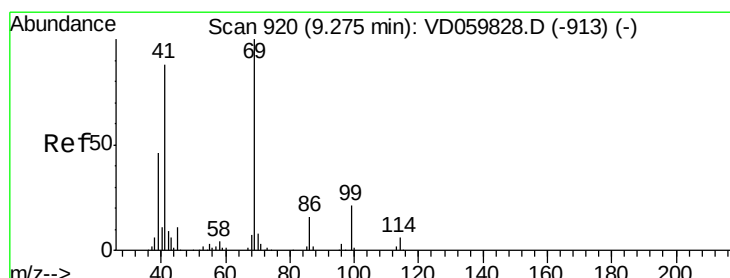
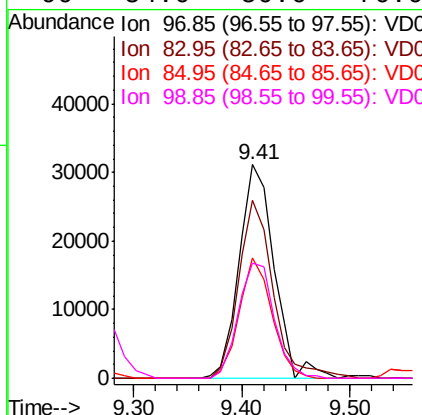
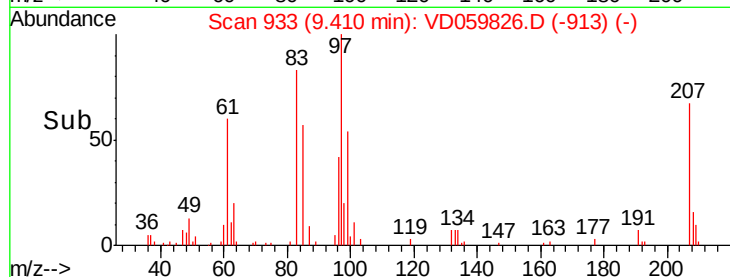
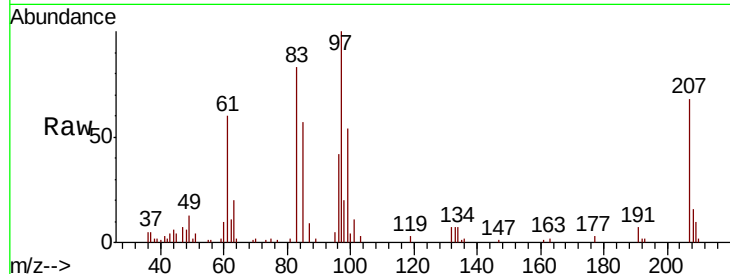




#55
 1,1,2-Trichloroethane
 Concen: 10.016 ug/l
 RT: 9.41 min Scan# 933
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

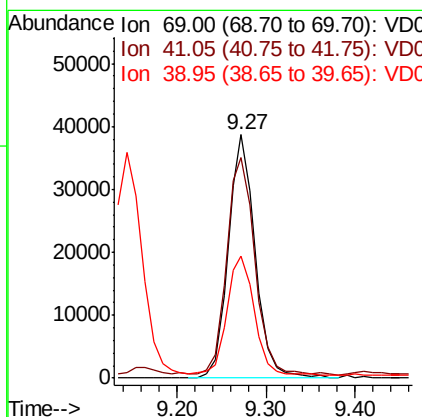
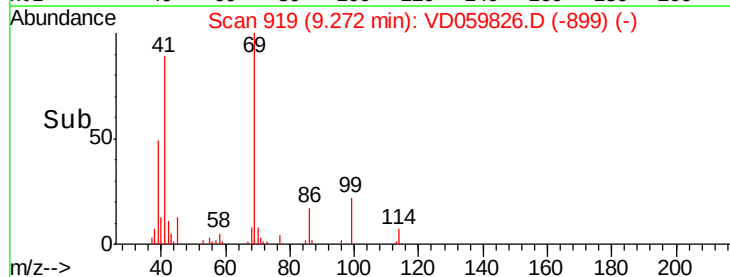
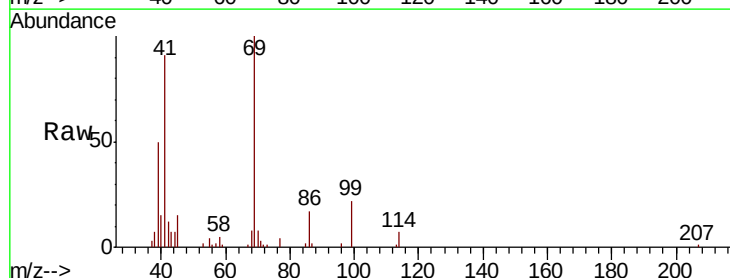
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

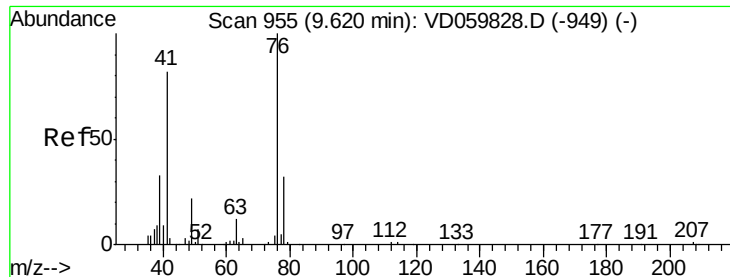
Tgt Ion:	97	Resp:	70077
Ion	Ratio	Lower	Upper
97	100		
83	83.0	69.2	103.8
85	56.6	44.3	66.5
99	54.0	50.6	76.0



#56
 Ethyl methacrylate
 Concen: 10.169 ug/l
 RT: 9.27 min Scan# 919
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion:	69	Resp:	81767
Ion	Ratio	Lower	Upper
69	100		
41	90.7	71.0	106.4
39	50.3	38.0	57.0

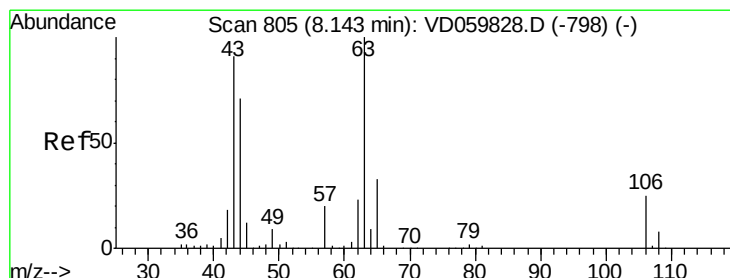
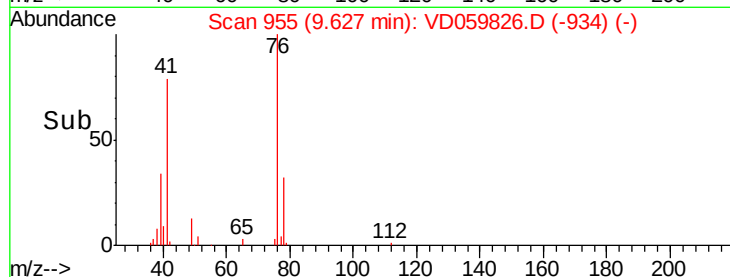
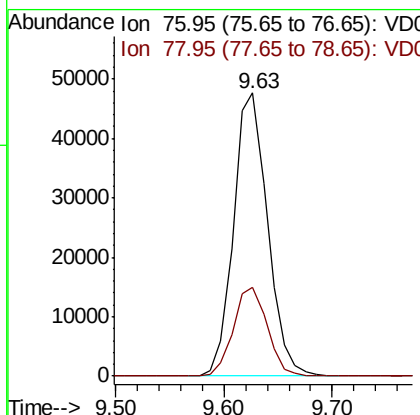
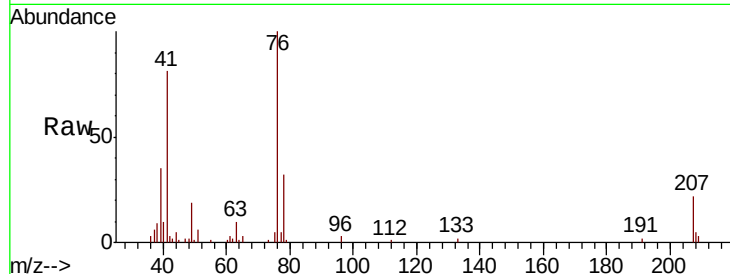




#57
 1,3-Dichloropropane
 Concen: 10.185 ug/l
 RT: 9.63 min Scan# 955
 Delta R.T. 0.01 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

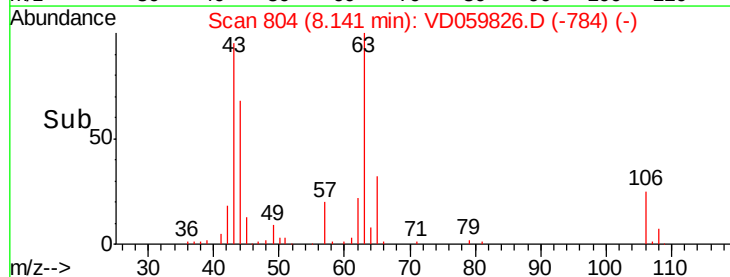
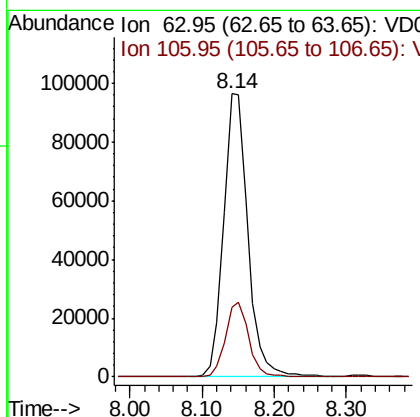
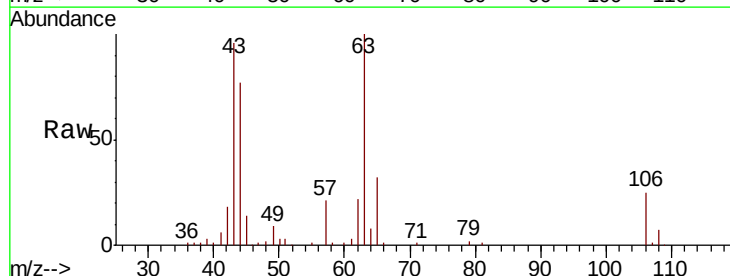
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

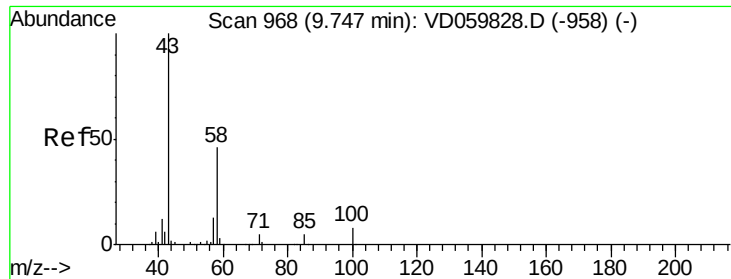
Tgt Ion: 76 Resp: 103897
 Ion Ratio Lower Upper
 76 100
 78 31.6 25.5 38.3



#58
 2-Chloroethyl Vinyl ether
 Concen: 54.260 ug/l
 RT: 8.14 min Scan# 804
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 63 Resp: 224085
 Ion Ratio Lower Upper
 63 100
 106 24.7 19.6 29.4

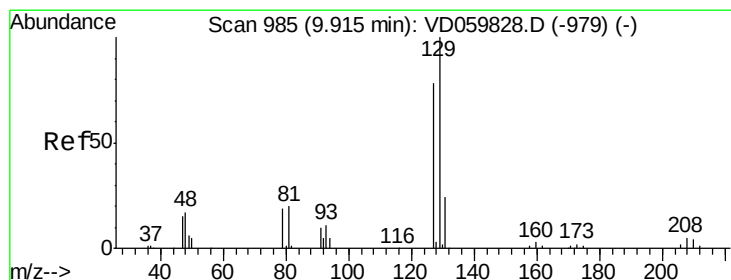
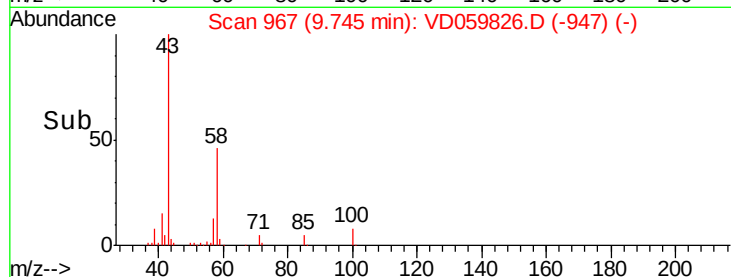
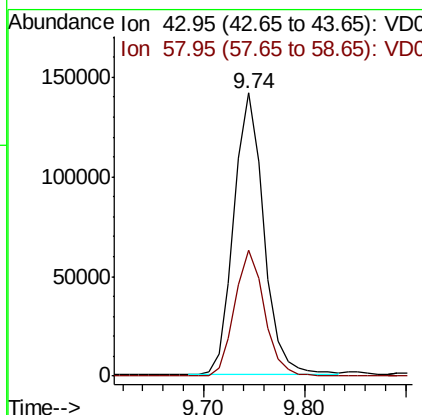
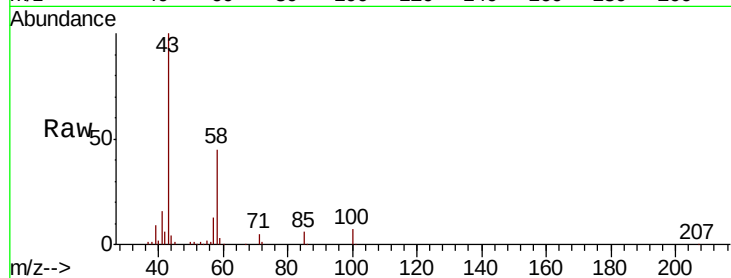




#59
2-Hexanone
Concen: 47.888 ug/l
RT: 9.74 min Scan# 967
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

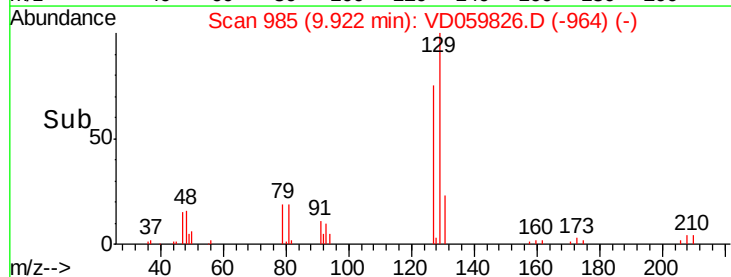
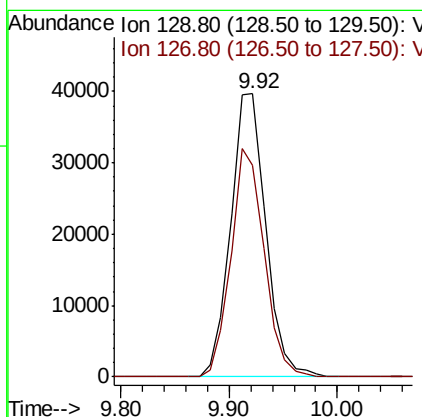
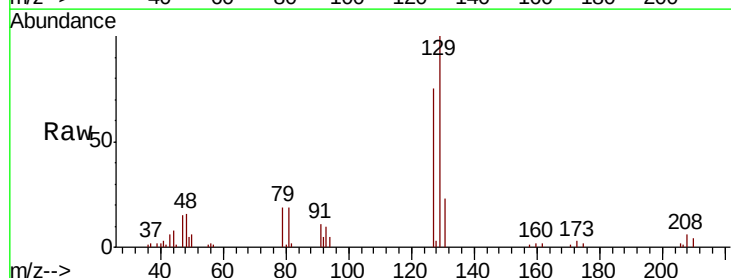
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

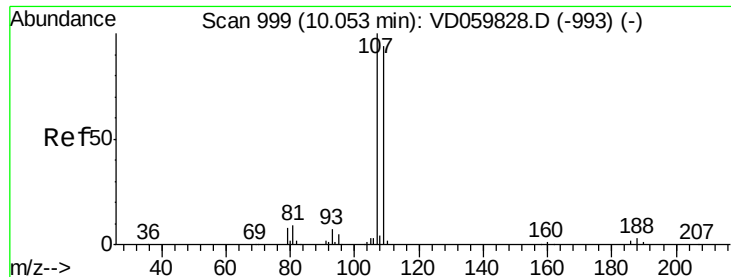
Tgt Ion: 43 Resp: 290658
Ion Ratio Lower Upper
43 100
58 44.7 23.1 69.2



#60
Dibromochloromethane
Concen: 9.922 ug/l
RT: 9.92 min Scan# 985
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 129 Resp: 89236
Ion Ratio Lower Upper
129 100
127 74.9 39.0 116.9

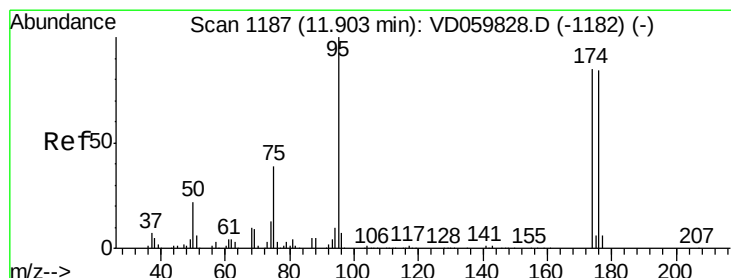
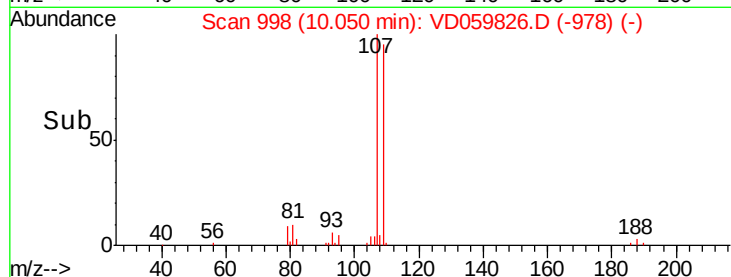
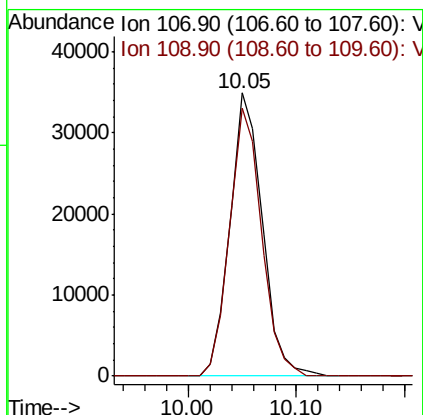
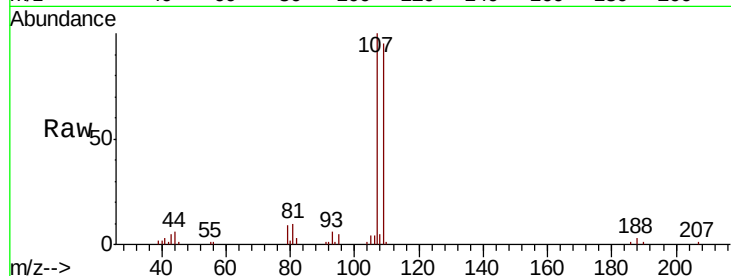




#61
 1,2-Dibromoethane
 Concen: 9.762 ug/l
 RT: 10.05 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

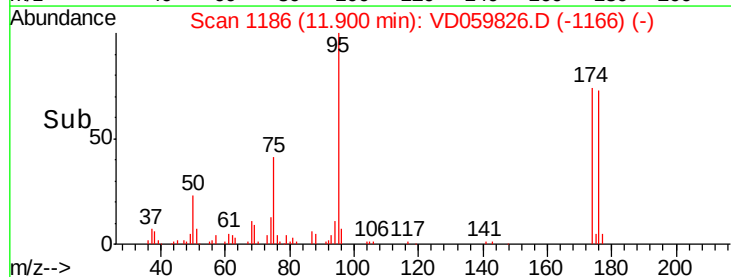
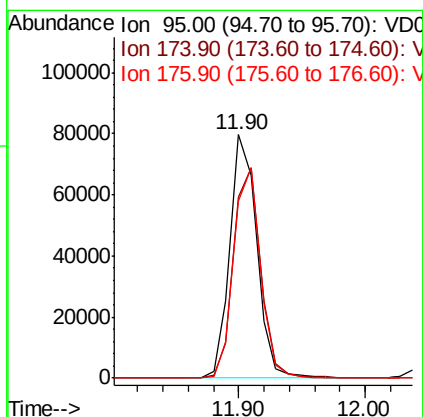
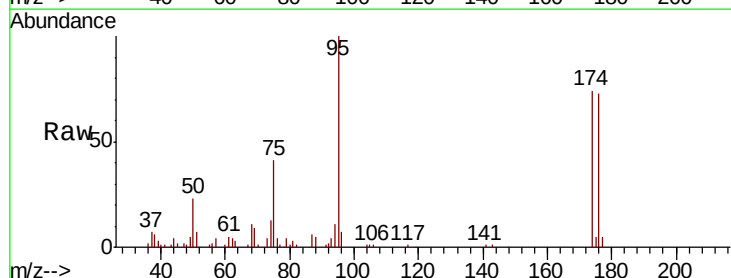
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

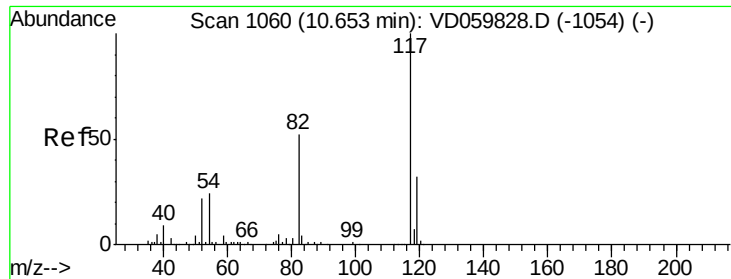
Tgt Ion: 107 Resp: 72642
 Ion Ratio Lower Upper
 107 100
 109 94.7 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 9.762 ug/l
 RT: 11.90 min Scan# 1186
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 95 Resp: 116790
 Ion Ratio Lower Upper
 95 100
 174 74.0 0.0 169.2
 176 72.9 0.0 168.0

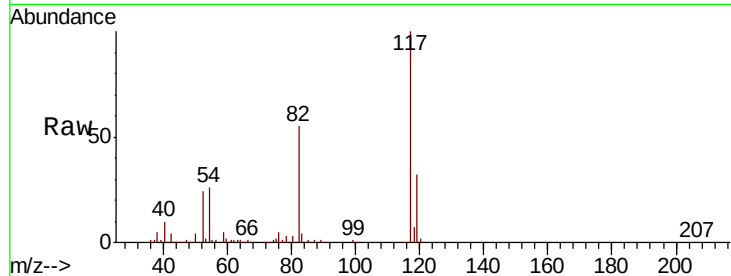




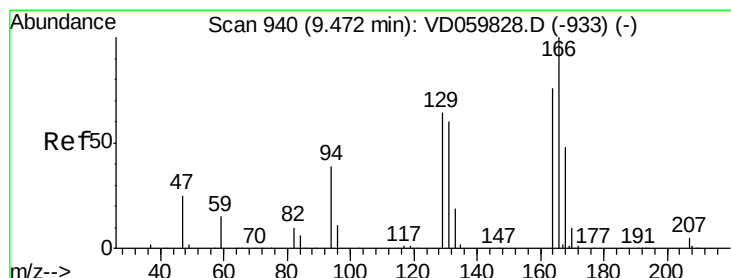
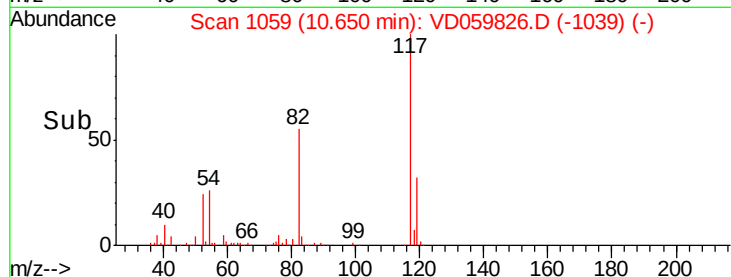
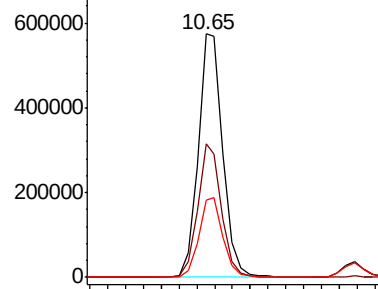
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.65 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 1113244
Ion Ratio Lower Upper
117 100
82 54.8 41.6 62.4
119 31.8 25.6 38.4

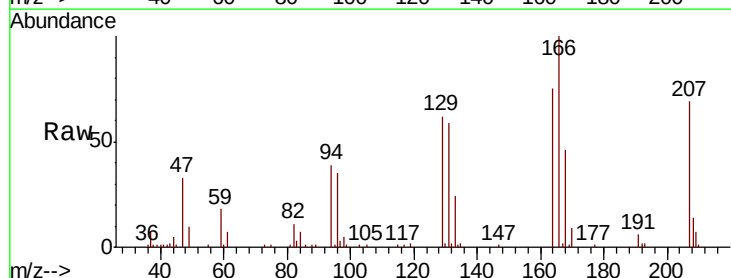


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

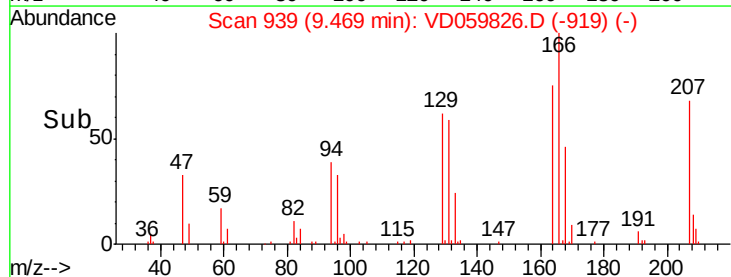
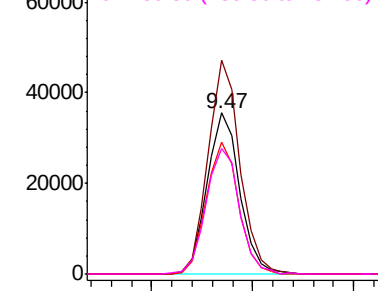


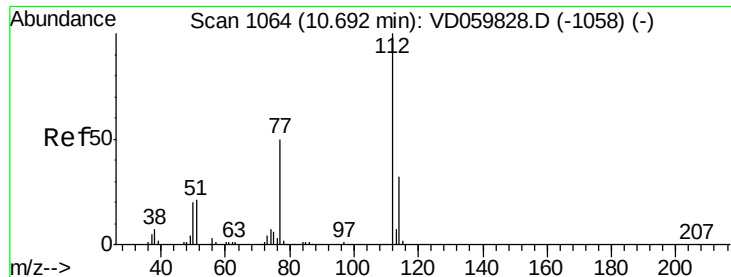
#64
Tetrachloroethene
Concen: 9.754 ug/l
RT: 9.47 min Scan# 939
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion:164 Resp: 79743
Ion Ratio Lower Upper
164 100
166 132.6 104.9 157.3
129 82.1 66.7 100.1
131 78.0 63.1 94.7



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

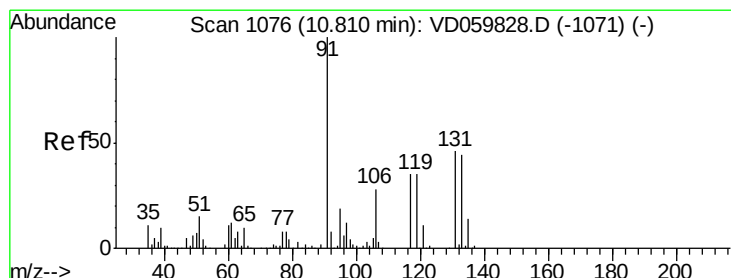
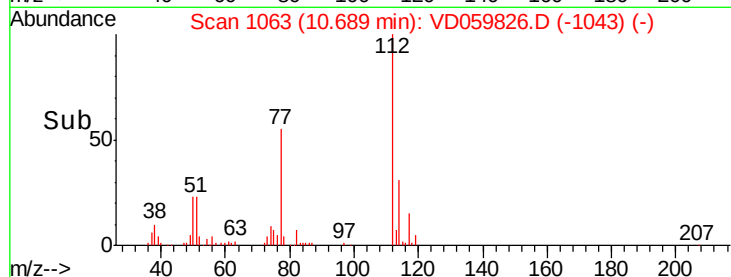
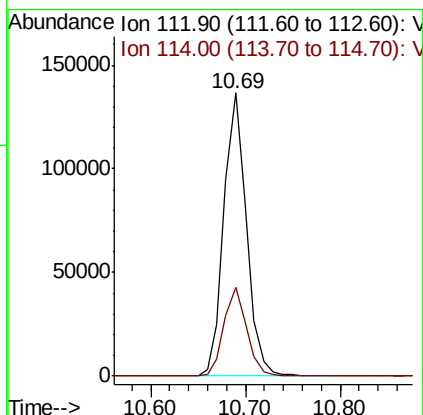
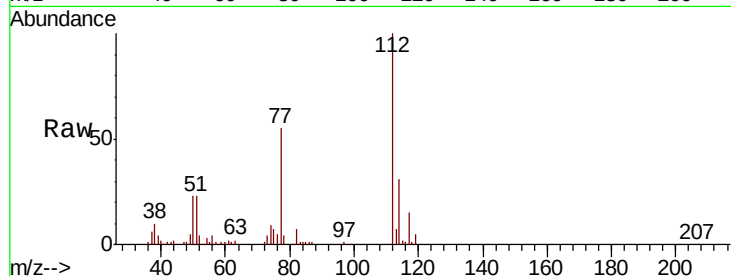




#65
Chlorobenzene
Concen: 10.459 ug/l
RT: 10.69 min Scan# 1063
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

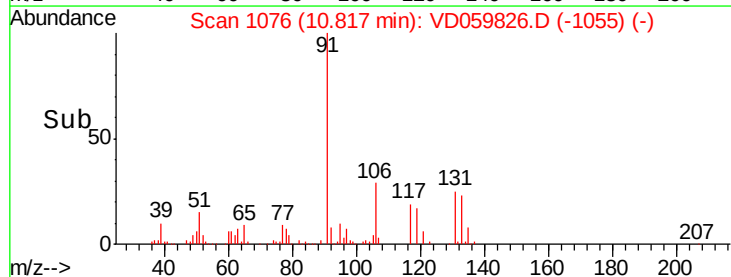
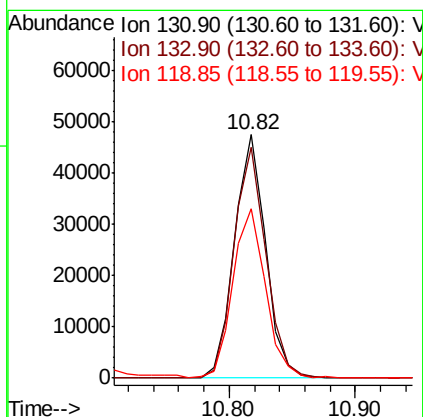
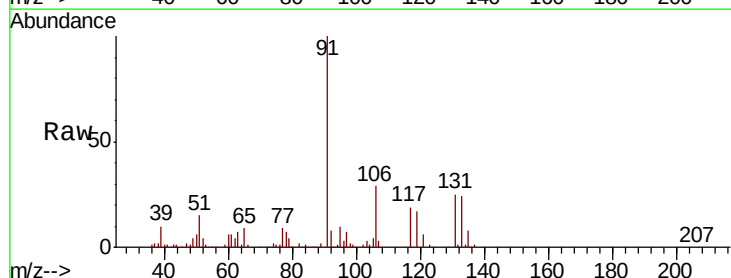
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

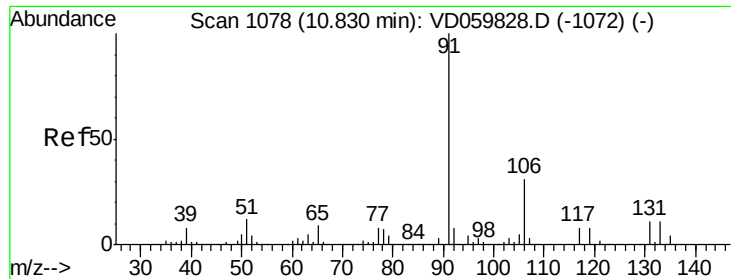
Tgt Ion:112 Resp: 226528
Ion Ratio Lower Upper
112 100
114 31.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 10.802 ug/l
RT: 10.82 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion:131 Resp: 80791
Ion Ratio Lower Upper
131 100
133 95.0 47.1 141.4
119 69.7 37.5 112.7

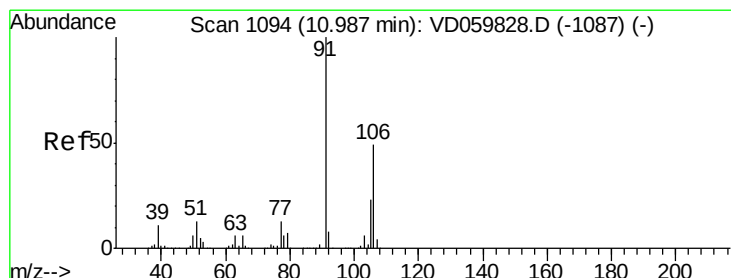
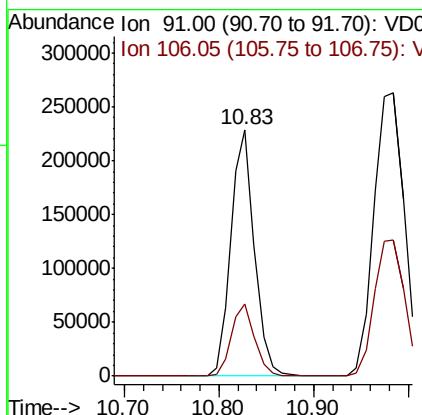
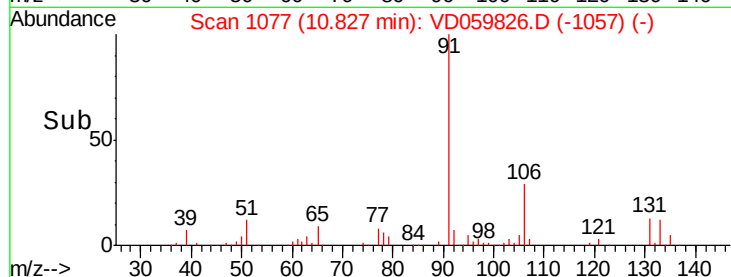
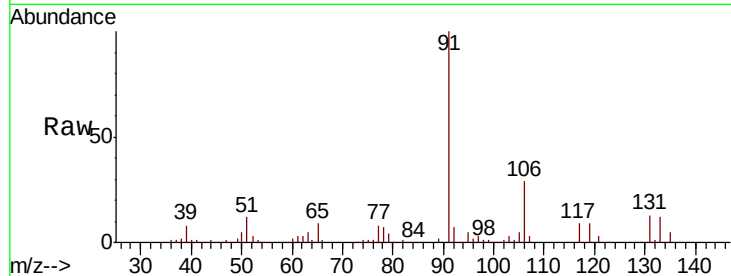




#67
Ethyl Benzene
Concen: 11.044 ug/l
RT: 10.83 min Scan# 1077
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

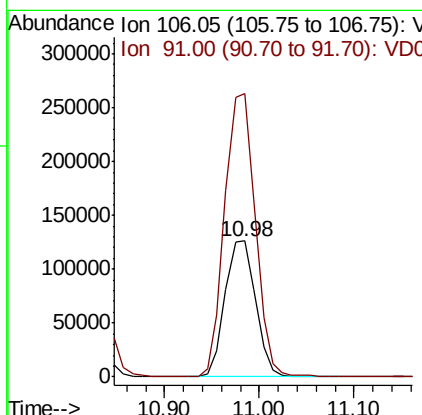
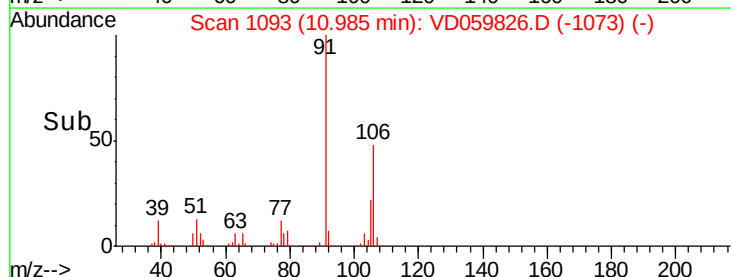
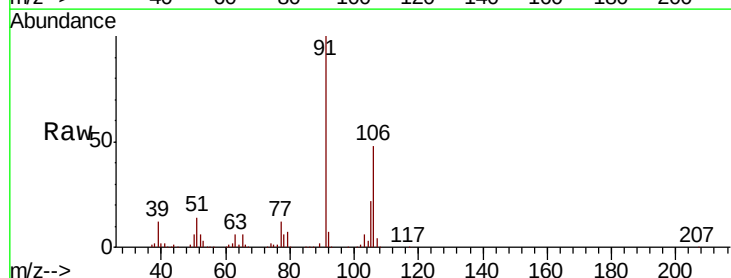
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

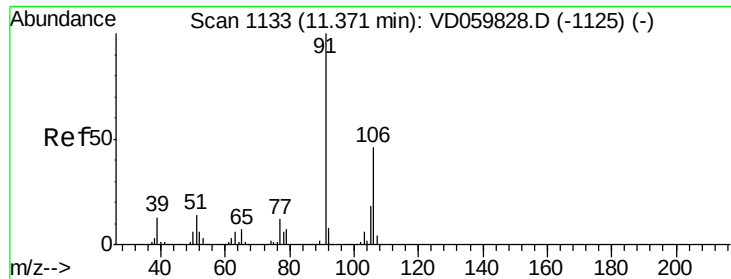
Tgt Ion: 91 Resp: 392303
Ion Ratio Lower Upper
91 100
106 29.3 25.1 37.7



#68
m/p-Xylenes
Concen: 21.757 ug/l
RT: 10.98 min Scan# 1093
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 106 Resp: 283101
Ion Ratio Lower Upper
106 100
91 208.1 161.8 242.8

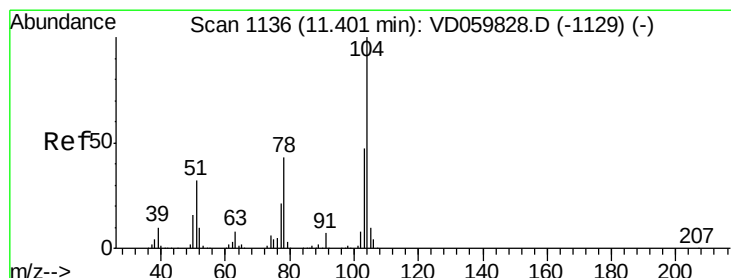
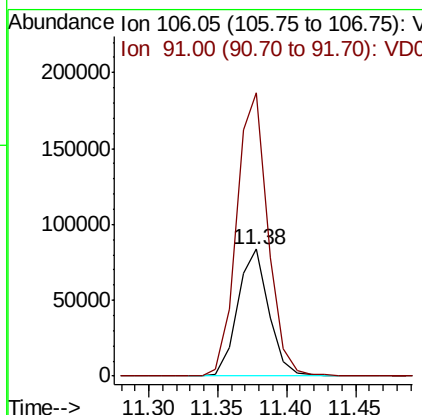
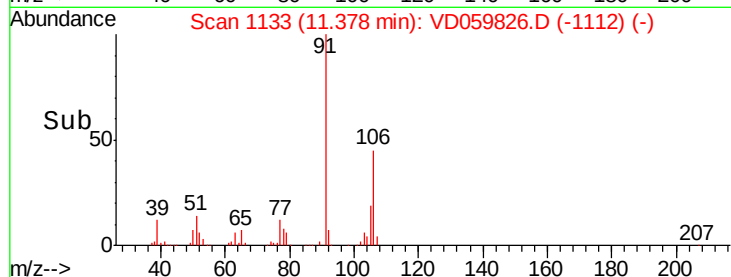
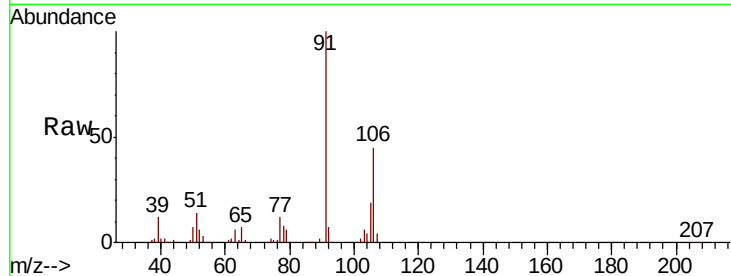




#69
o-Xylene
Concen: 10.344 ug/l
RT: 11.38 min Scan# 1133
Delta R.T. 0.01 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

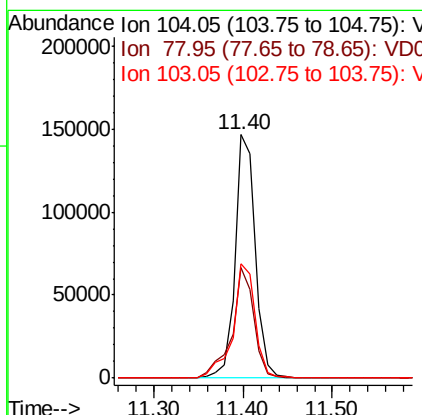
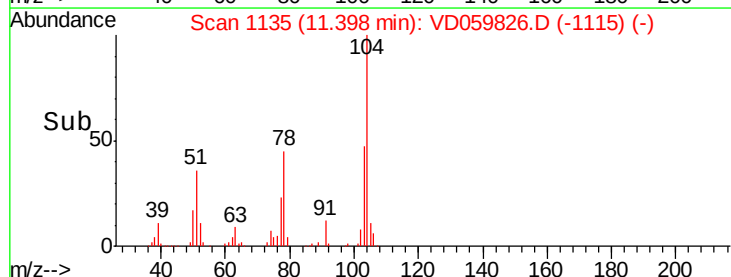
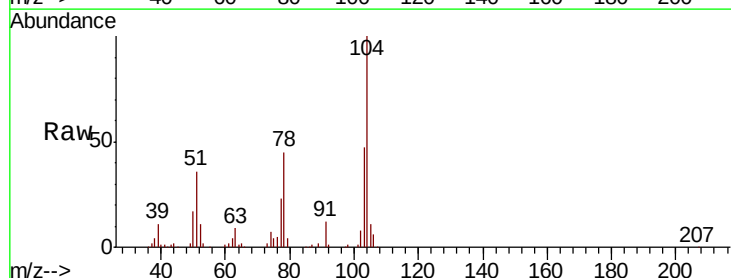
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

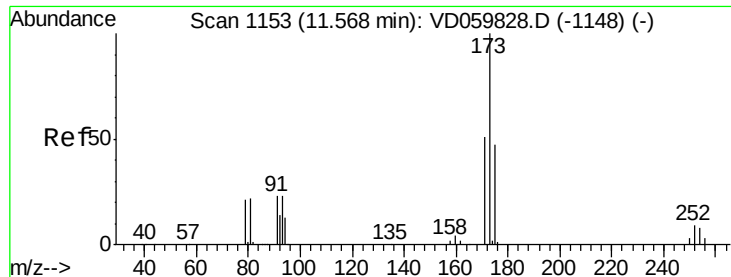
Tgt Ion:106 Resp: 131506
Ion Ratio Lower Upper
106 100
91 223.1 108.5 325.3



#70
Styrene
Concen: 10.586 ug/l
RT: 11.40 min Scan# 1135
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion:104 Resp: 233248
Ion Ratio Lower Upper
104 100
78 45.3 34.6 52.0
103 46.9 37.8 56.6





#71

Bromoform

Concen: 9.895 ug/l

RT: 11.58 min Scan# 1153

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampled :

VSTDIC010

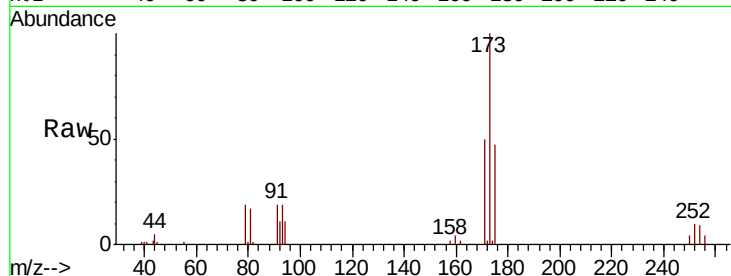
Tgt Ion:173 Resp: 64686

Ion Ratio Lower Upper

173 100

175 47.0 23.7 71.1

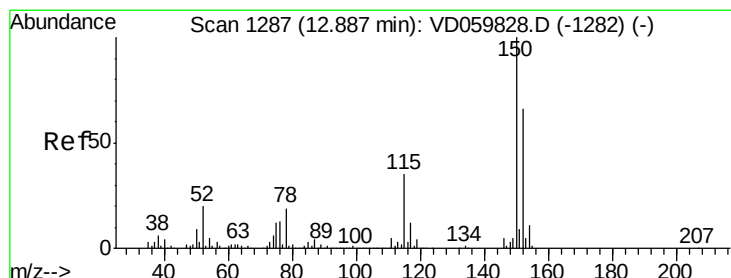
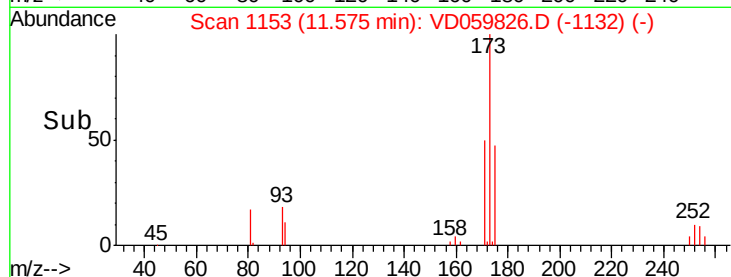
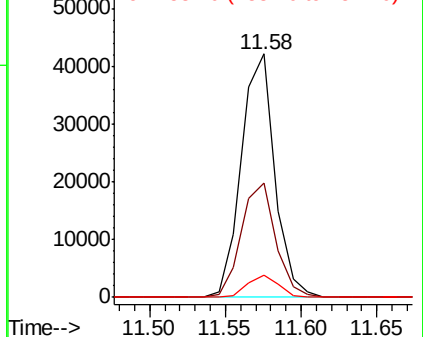
254 9.0 6.7 10.1



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: 12.88 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

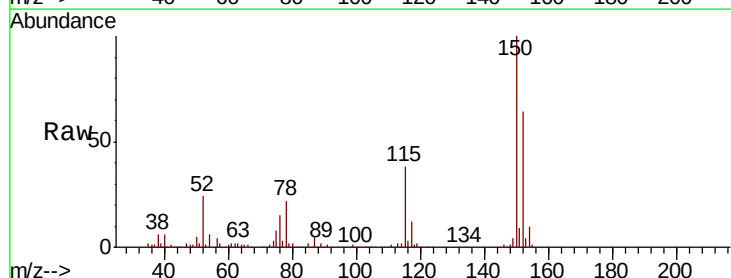
Tgt Ion:152 Resp: 529193

Ion Ratio Lower Upper

152 100

115 58.7 26.9 80.6

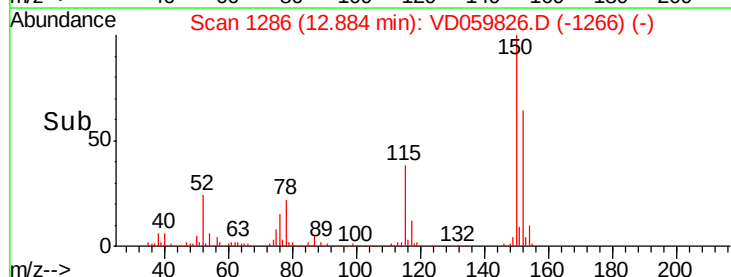
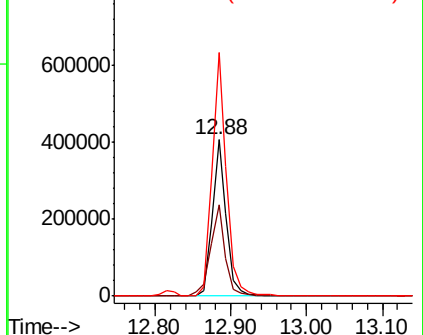
150 155.9 0.0 306.8

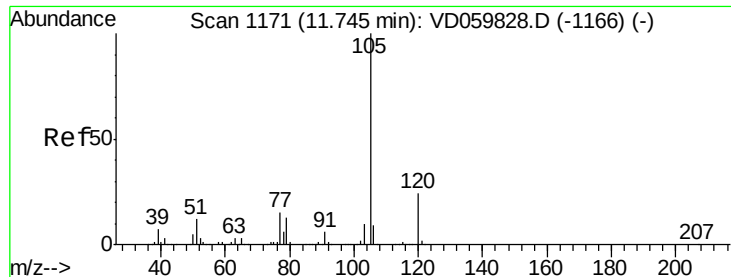


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 115.00 (114.70 to 115.70): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 10.130 ug/l

RT: 11.74 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

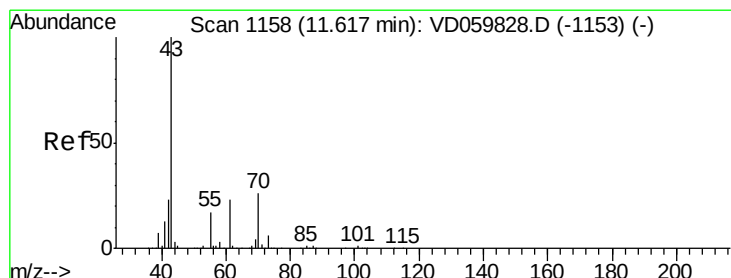
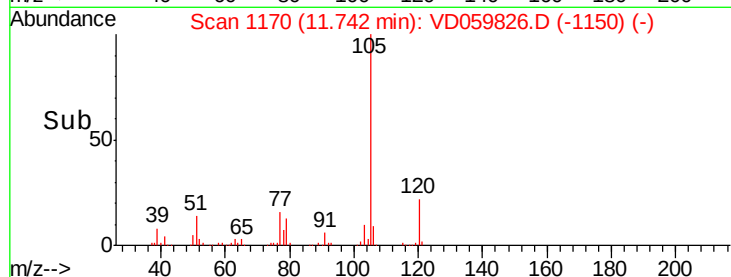
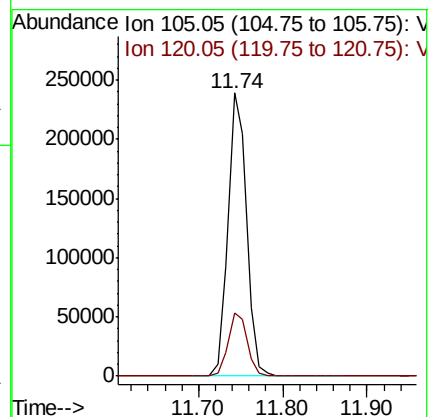
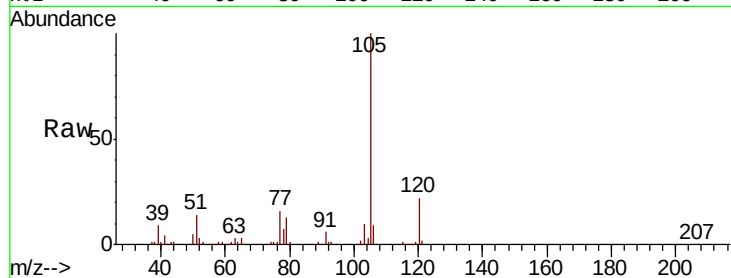
VSTDIC010

Tgt Ion: 105 Resp: 365651

Ion Ratio Lower Upper

105 100

120 22.5 11.9 35.5



#74

N-ethyl acetate

Concen: 9.757 ug/l

RT: 11.61 min Scan# 1157

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Tgt Ion: 43 Resp: 155721

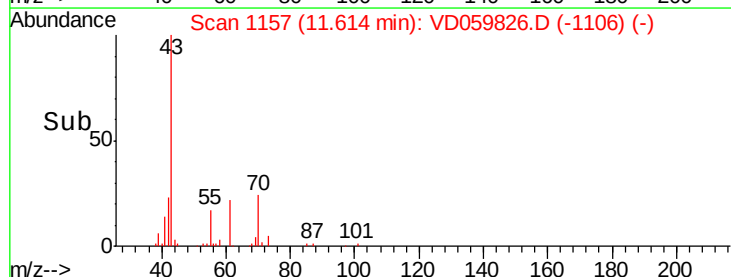
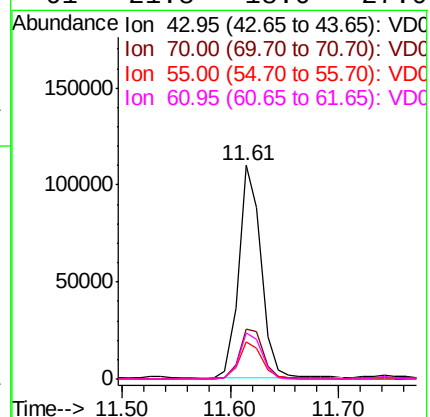
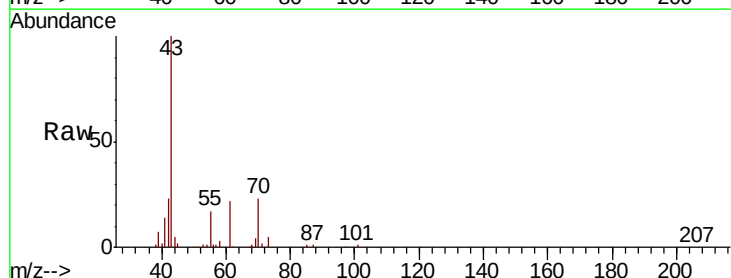
Ion Ratio Lower Upper

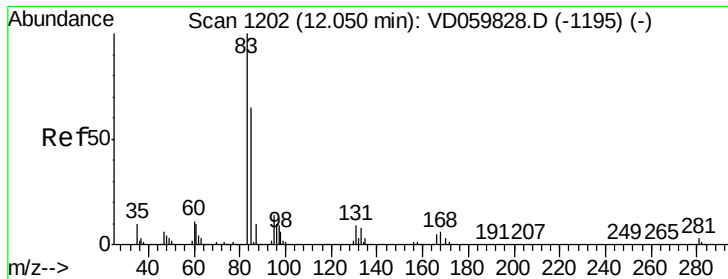
43 100

70 23.5 20.5 30.7

55 17.2 13.7 20.5

61 21.8 18.0 27.0





#75

1,1,2,2-Tetrachloroethane

Concen: 10.027 ug/l

RT: 12.05 min Scan# 1201

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

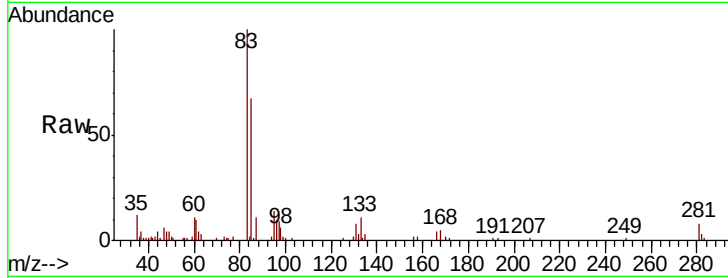
Tgt Ion: 83 Resp: 83211

Ion Ratio Lower Upper

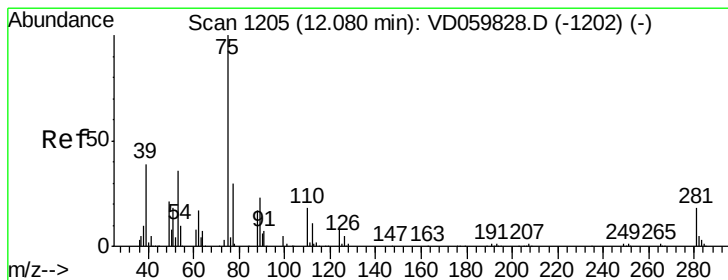
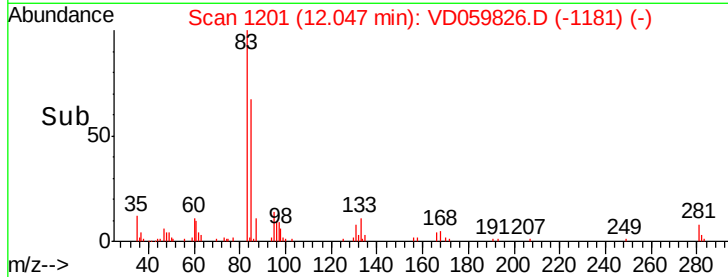
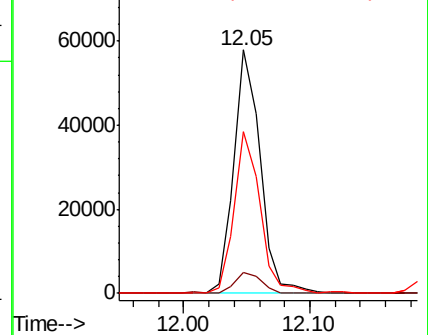
83 100

131 8.4 4.3 13.1

85 66.6 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: 9.674 ug/l

RT: 12.09 min Scan# 1205

Delta R.T. 0.01 min

Lab File: VD059826.D

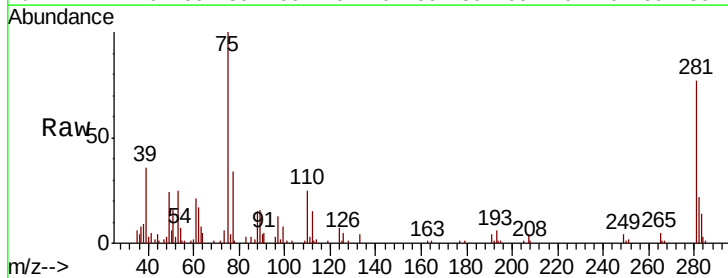
Acq: 20 Aug 2018 12:30

Tgt Ion: 75 Resp: 83653

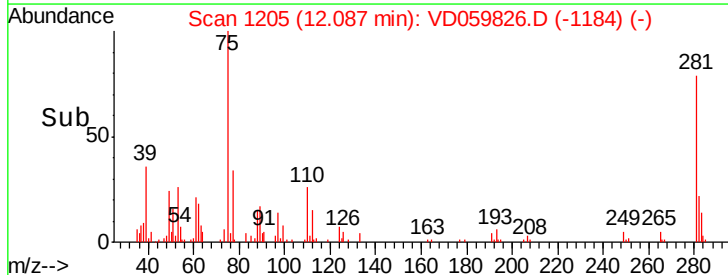
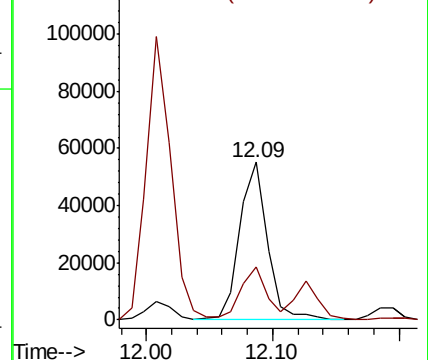
Ion Ratio Lower Upper

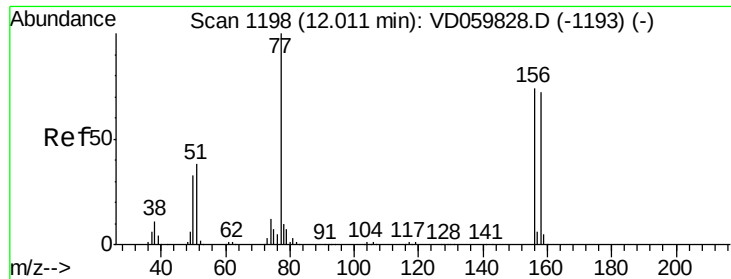
75 100

77 33.6 16.0 47.9



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

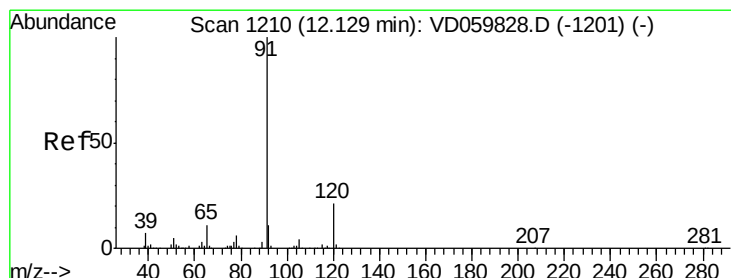
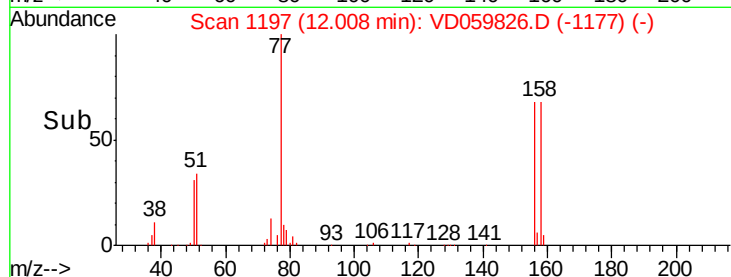
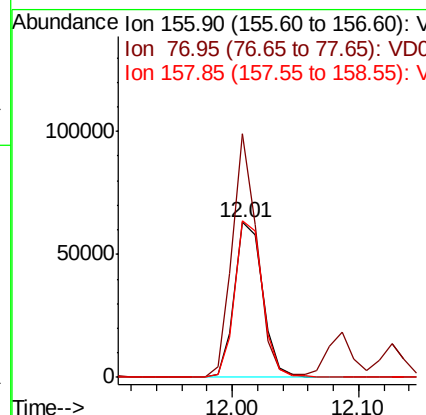
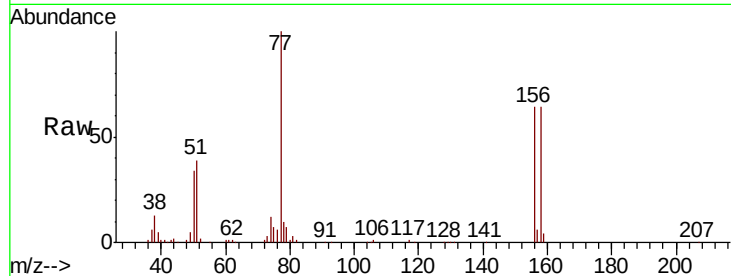




#77
Bromobenzene
Concen: 9.688 ug/l
RT: 12.01 min Scan# 1197
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

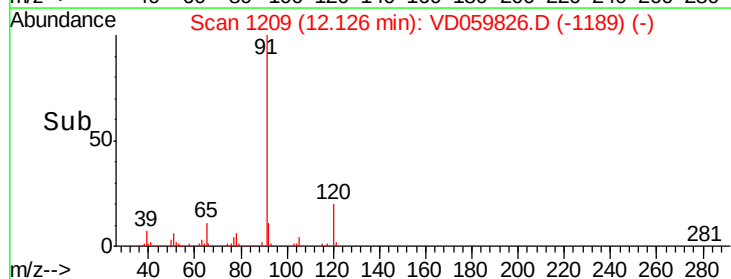
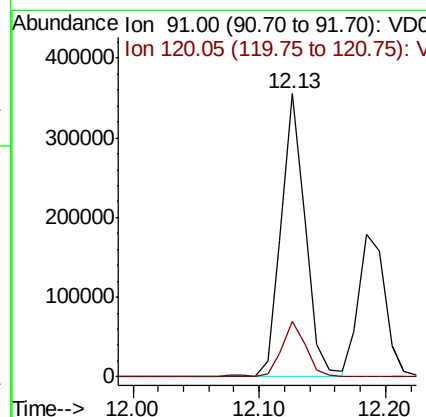
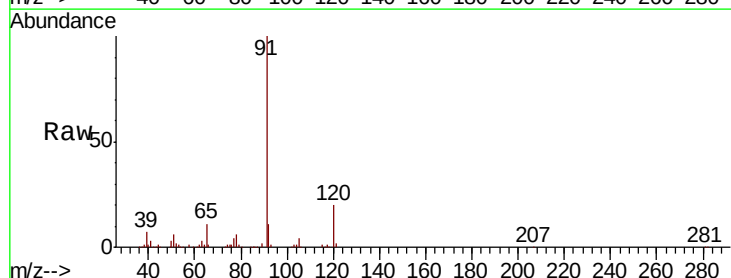
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

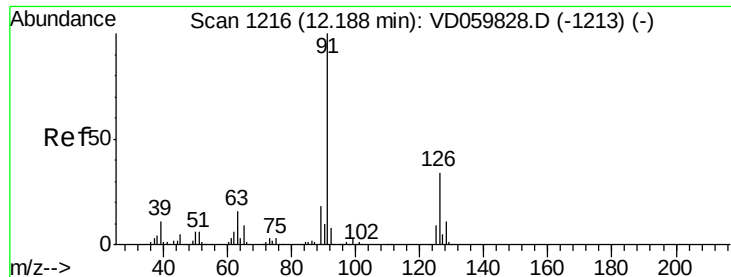
Tgt Ion:156 Resp: 97087
Ion Ratio Lower Upper
156 100
77 157.0 68.0 204.0
158 100.7 48.9 146.8



#78
n-propylbenzene
Concen: 10.491 ug/l
RT: 12.13 min Scan# 1209
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 91 Resp: 475788
Ion Ratio Lower Upper
91 100
120 19.6 10.5 31.5





#79

2-Chlorotoluene

Concen: 10.071 ug/l

RT: 12.19 min Scan# 1215

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

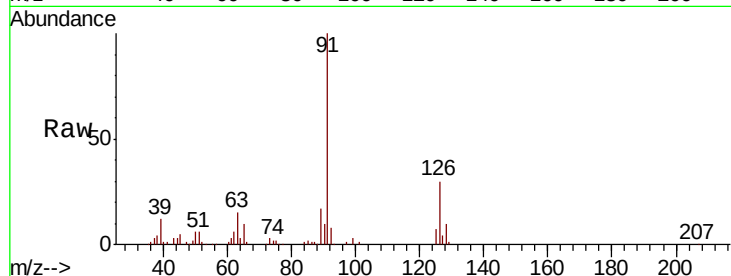
VSTDIC010

Tgt Ion: 91 Resp: 260808

Ion Ratio Lower Upper

91 100

126 30.0 16.6 49.8



Abundance Ion 91.00 (90.70 to 91.70): VD059826.D (-1213) (-)

Ion 125.95 (125.65 to 126.65): VD059826.D (-1213) (-)

400000

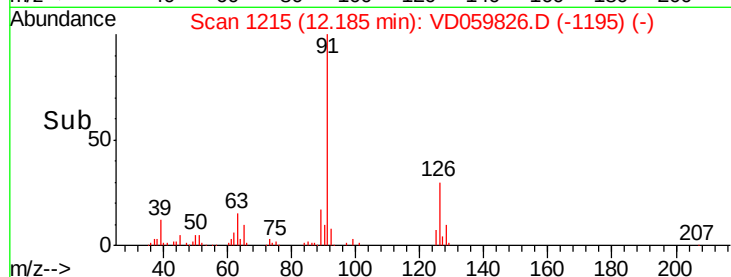
300000

200000

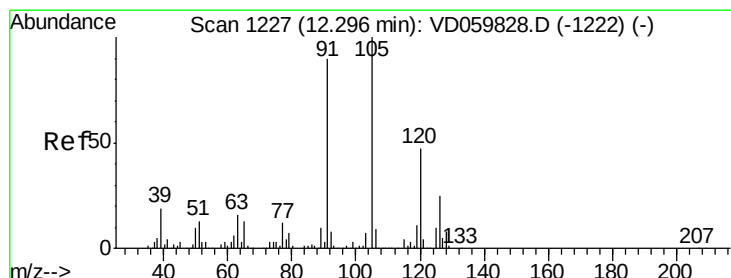
100000

0

12.15 12.20 12.25



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 11.064 ug/l

RT: 12.29 min Scan# 1226

Delta R.T. -0.00 min

Lab File: VD059826.D

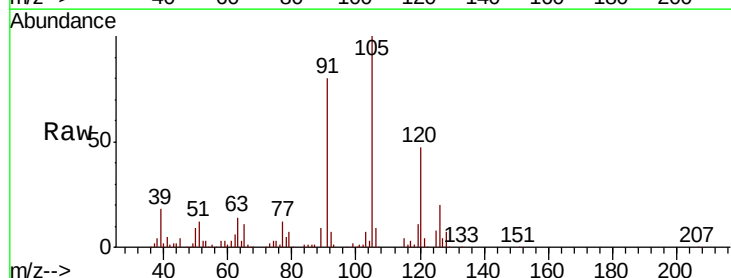
Acq: 20 Aug 2018 12:30

Tgt Ion: 105 Resp: 299550

Ion Ratio Lower Upper

105 100

120 47.5 23.5 70.6



Abundance Ion 105.05 (104.75 to 105.75): VD059826.D (-1222) (-)

Ion 120.05 (119.75 to 120.75): VD059826.D (-1222) (-)

250000

200000

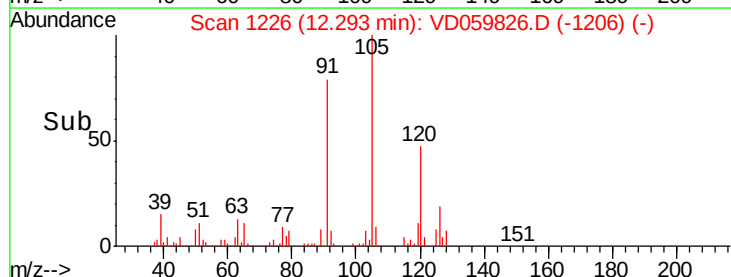
150000

100000

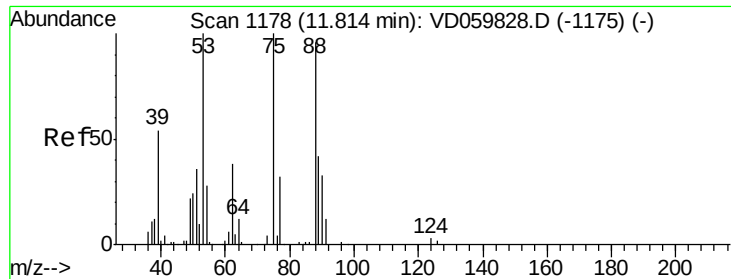
50000

0

12.20 12.30 12.40



Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 9.745 ug/l

RT: 11.81 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

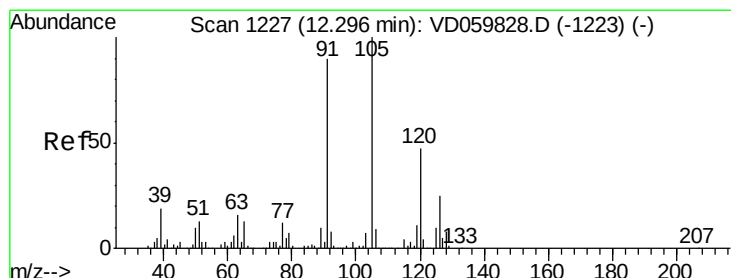
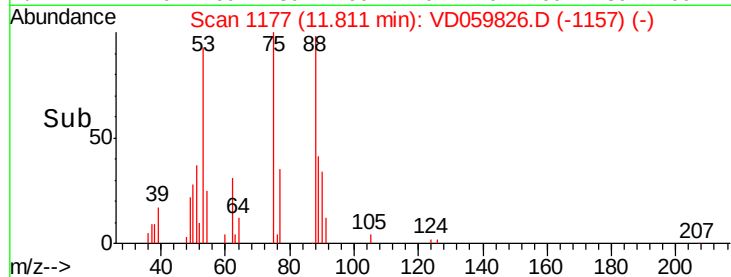
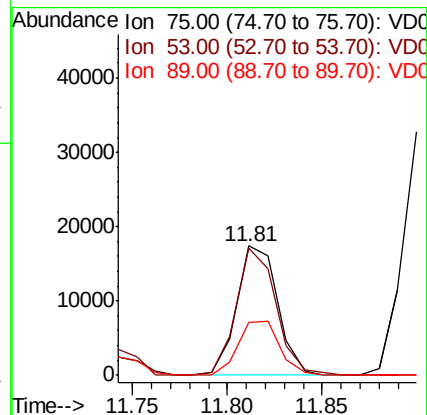
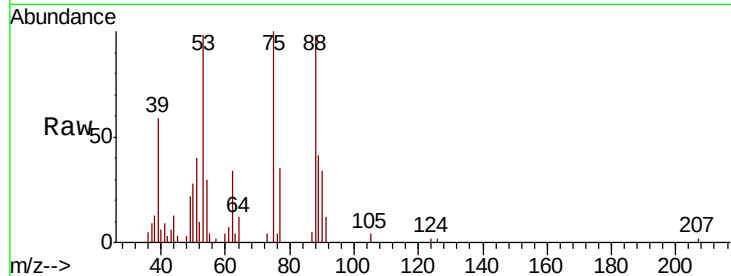
Tgt Ion: 75 Resp: 26066

Ion Ratio Lower Upper

75 100

53 98.4 80.7 121.1

89 41.2 33.9 50.9



#82

4-Chlorotoluene

Concen: 11.049 ug/l

RT: 12.30 min Scan# 1227

Delta R.T. 0.01 min

Lab File: VD059826.D

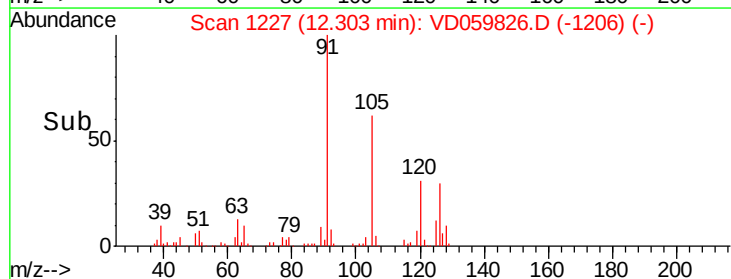
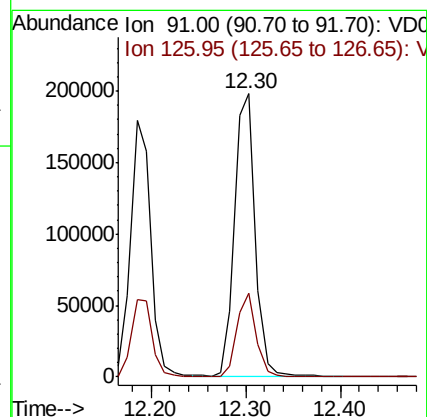
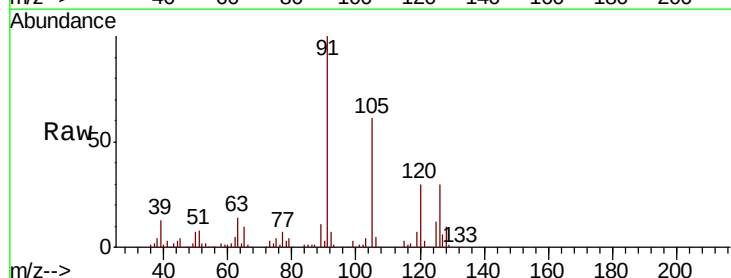
Acq: 20 Aug 2018 12:30

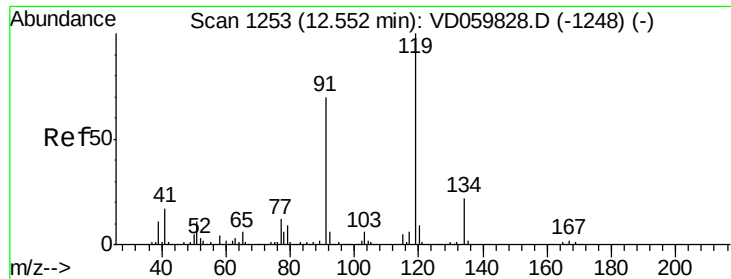
Tgt Ion: 91 Resp: 297458

Ion Ratio Lower Upper

91 100

126 29.7 13.7 41.0

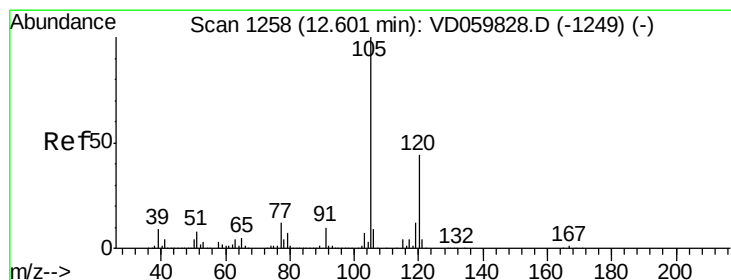
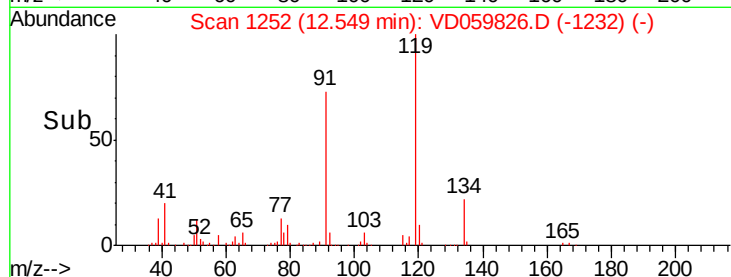
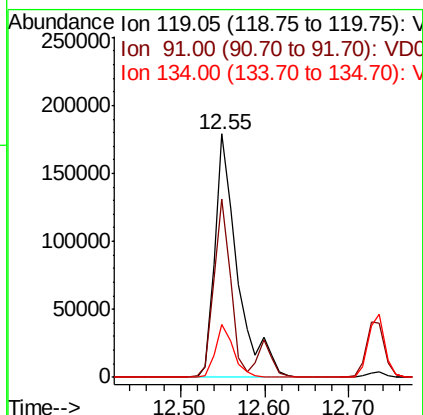
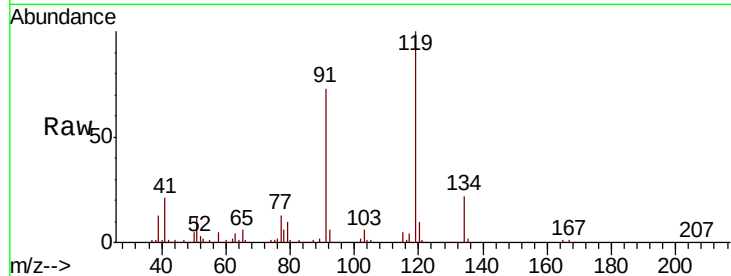




#83
 tert-Butylbenzene
 Concen: 10.491 ug/l
 RT: 12.55 min Scan# 1252
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

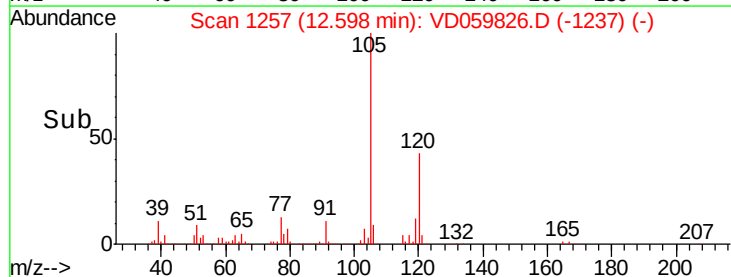
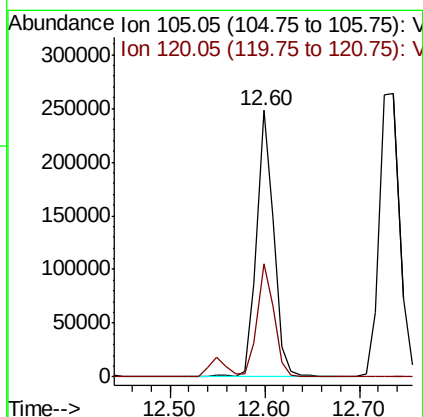
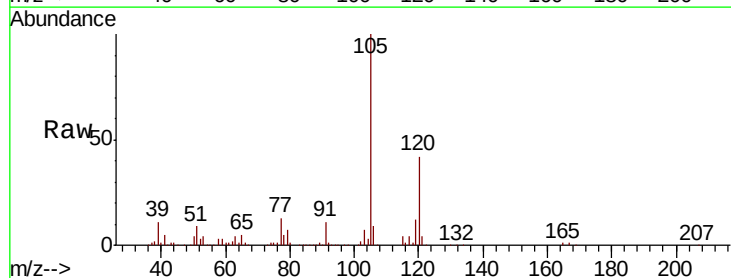
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

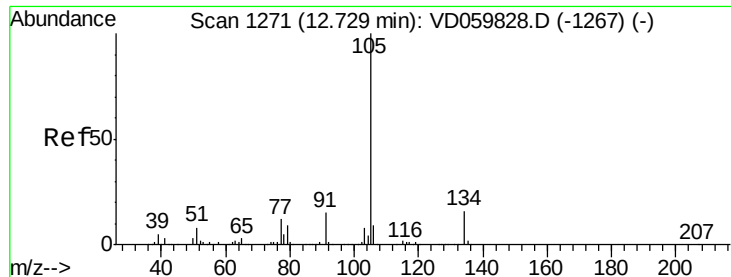
Tgt Ion:119 Resp: 333788
 Ion Ratio Lower Upper
 119 100
 91 73.3 35.1 105.3
 134 21.6 11.0 33.0



#84
 1,2,4-Trimethylbenzene
 Concen: 10.407 ug/l
 RT: 12.60 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion:105 Resp: 311866
 Ion Ratio Lower Upper
 105 100
 120 42.5 22.0 66.0





#85

sec-Butylbenzene

Concen: 10.545 ug/l

RT: 12.74 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

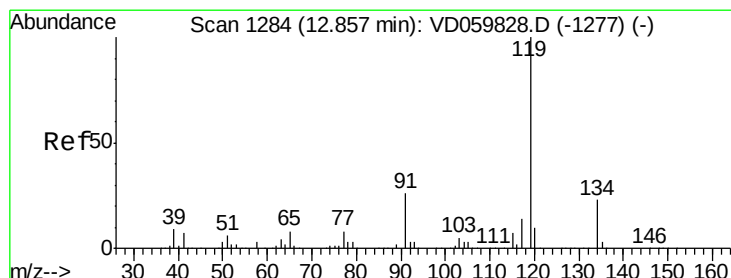
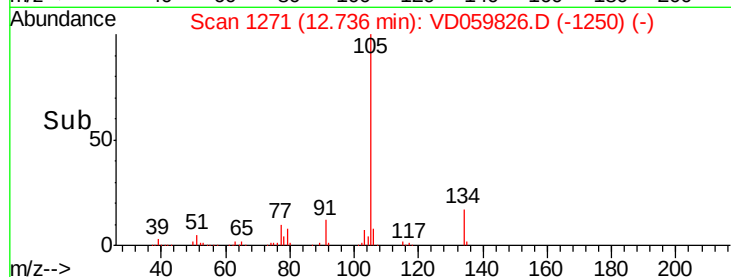
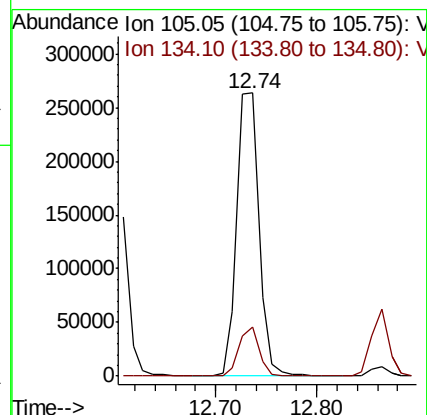
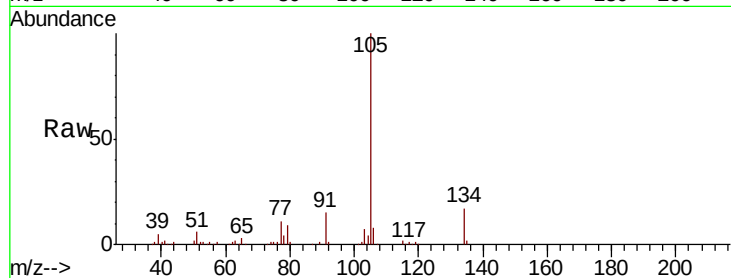
VSTDIC010

Tgt Ion:105 Resp: 402566

Ion Ratio Lower Upper

105 100

134 17.4 7.8 23.5



#86

p-Isopropyltoluene

Concen: 10.589 ug/l

RT: 12.86 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

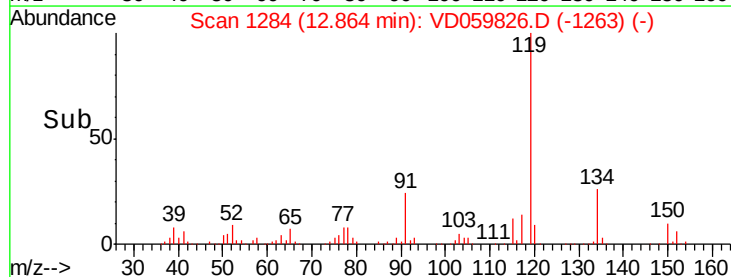
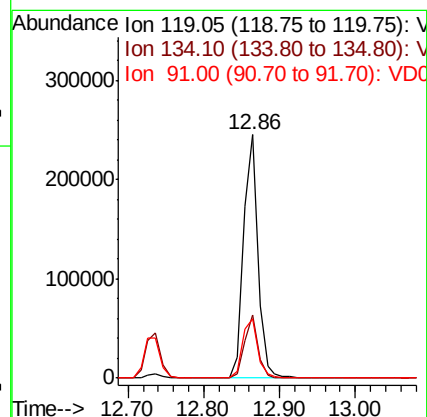
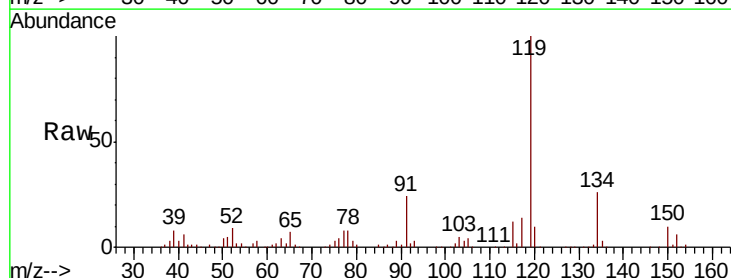
Tgt Ion:119 Resp: 317298

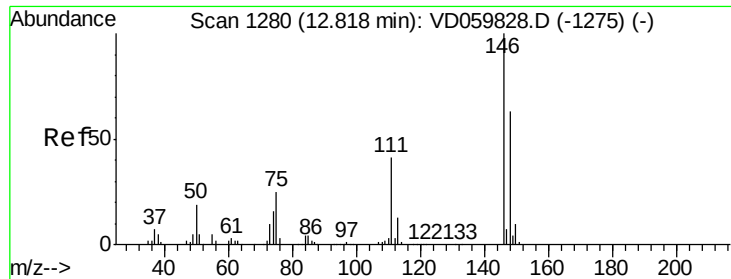
Ion Ratio Lower Upper

119 100

134 25.7 11.5 34.5

91 24.1 13.2 39.6





#87

1,3-Dichlorobenzene

Concen: 10.473 ug/l

RT: 12.81 min Scan# 1279

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

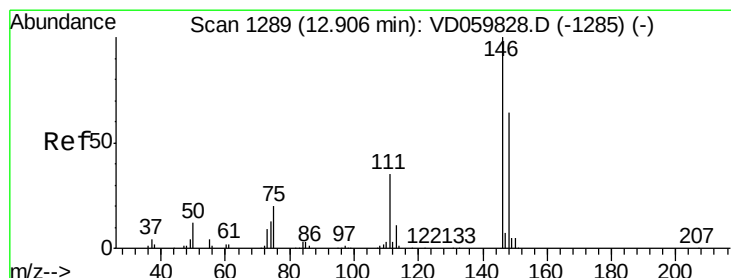
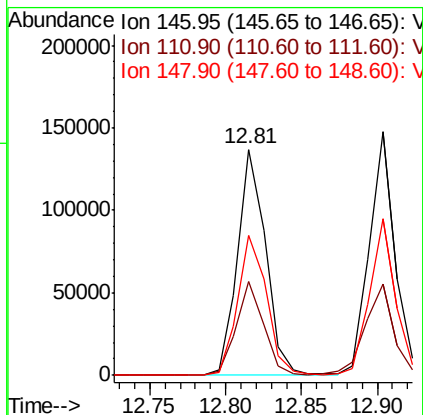
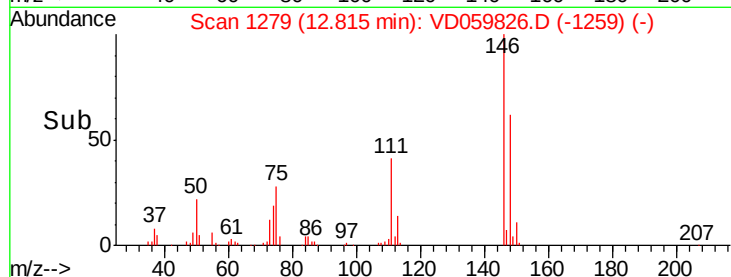
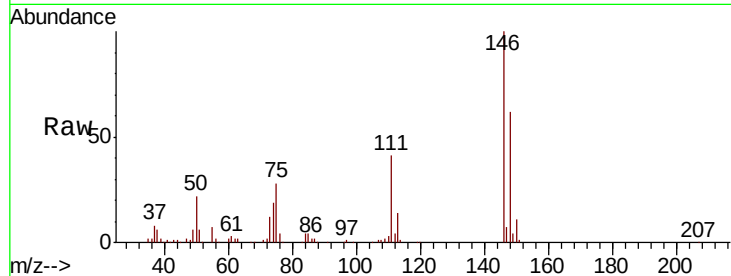
Tgt Ion:146 Resp: 176962

Ion Ratio Lower Upper

146 100

111 41.4 20.3 60.9

148 61.7 31.6 94.7



#88

1,4-Dichlorobenzene

Concen: 10.494 ug/l

RT: 12.90 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VD059826.D

Acq: 20 Aug 2018 12:30

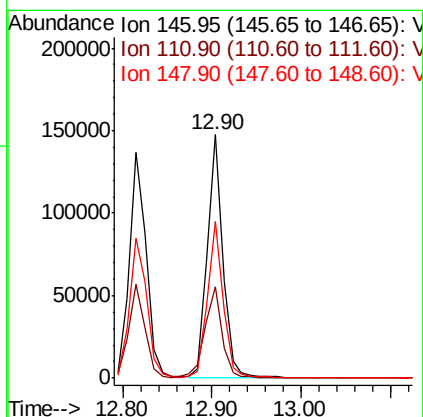
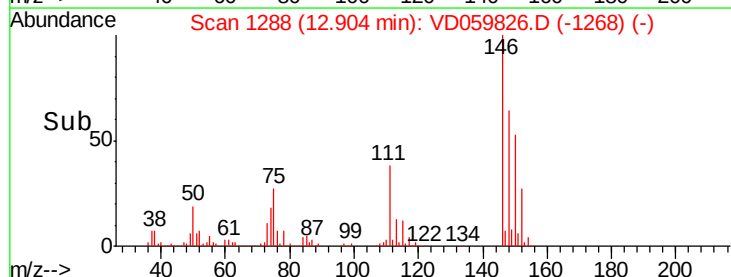
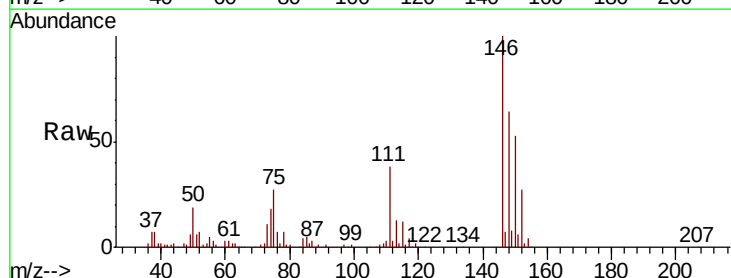
Tgt Ion:146 Resp: 178411

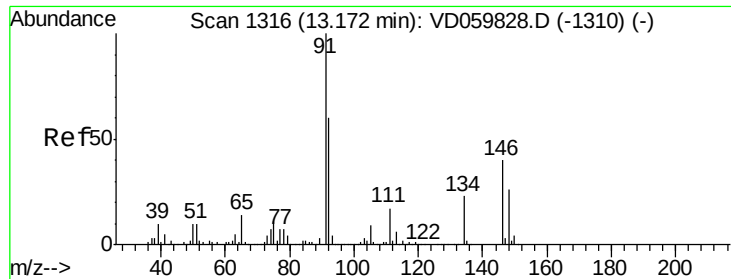
Ion Ratio Lower Upper

146 100

111 37.5 17.8 53.3

148 64.1 31.9 95.9

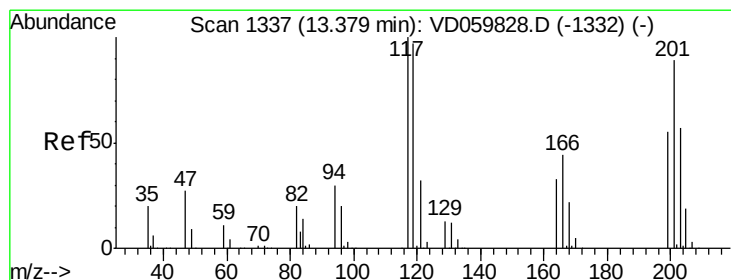
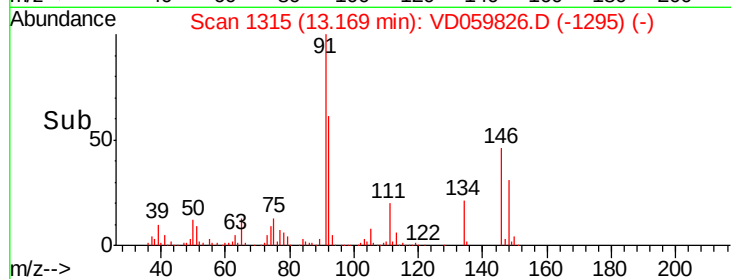
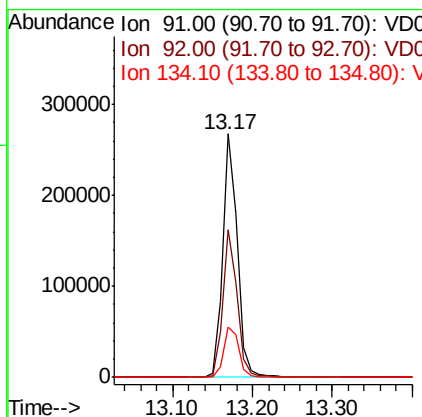
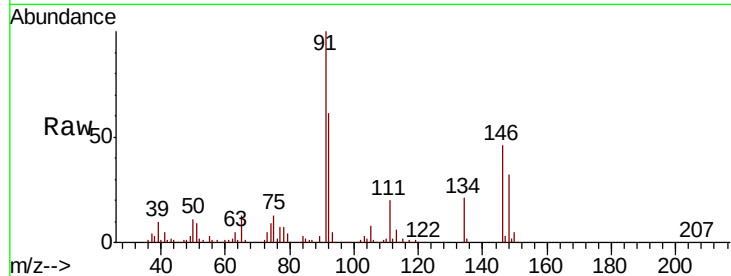




#89
n-Butylbenzene
Concen: 11.613 ug/l
RT: 13.17 min Scan# 1315
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

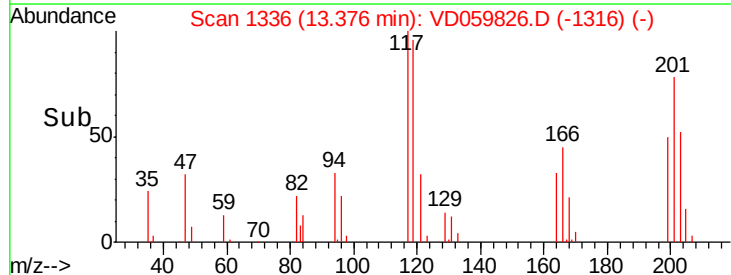
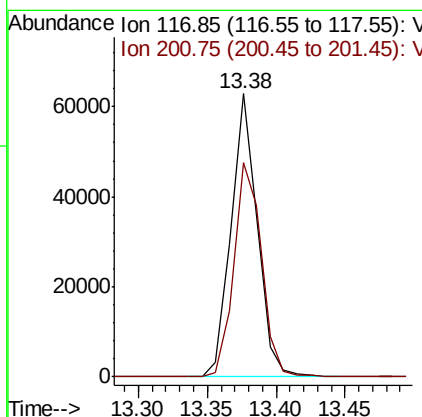
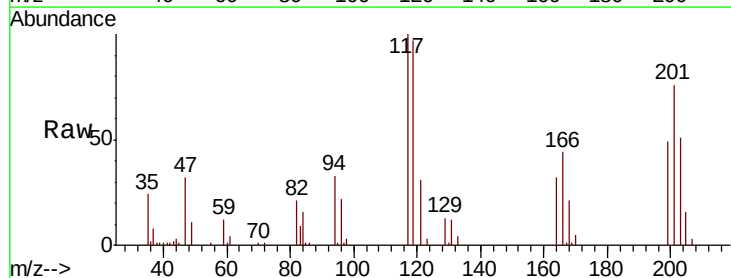
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

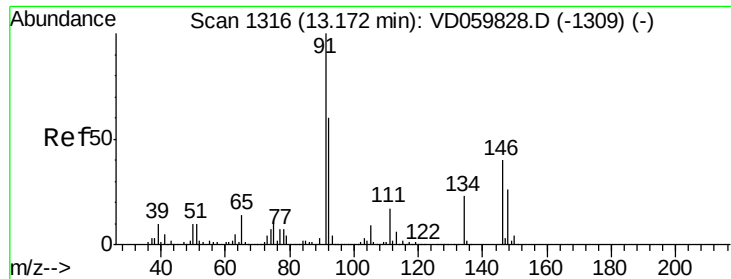
Tgt Ion: 91 Resp: 349096
Ion Ratio Lower Upper
91 100
92 60.6 29.8 89.5
134 20.6 11.5 34.4



#90
Hexachloroethane
Concen: 9.831 ug/l
RT: 13.38 min Scan# 1336
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion: 117 Resp: 83218
Ion Ratio Lower Upper
117 100
201 75.8 44.6 134.0

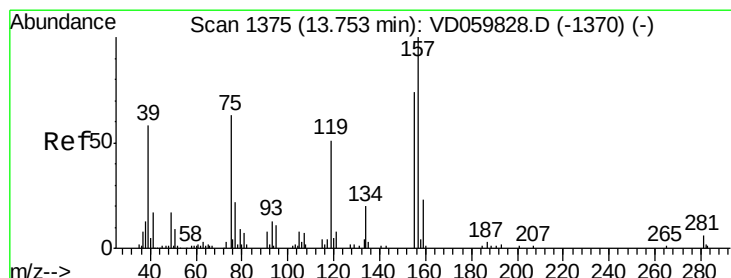
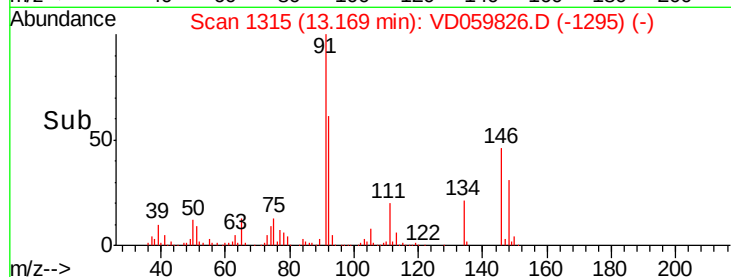
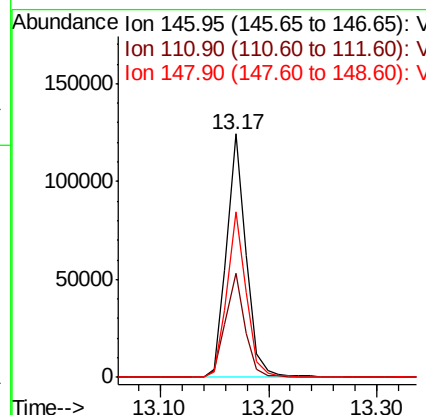
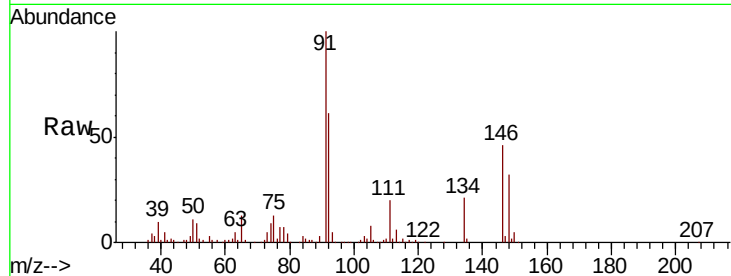




#91
 1,2-Dichlorobenzene
 Concen: 11.396 ug/l
 RT: 13.17 min Scan# 1315
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

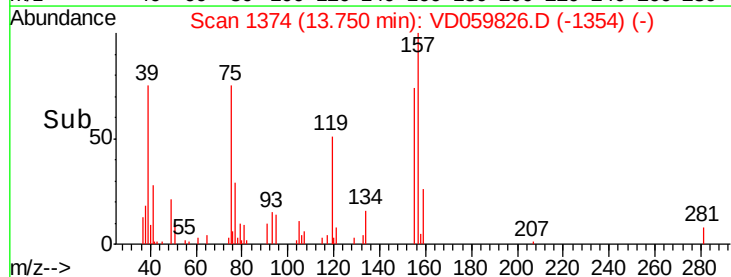
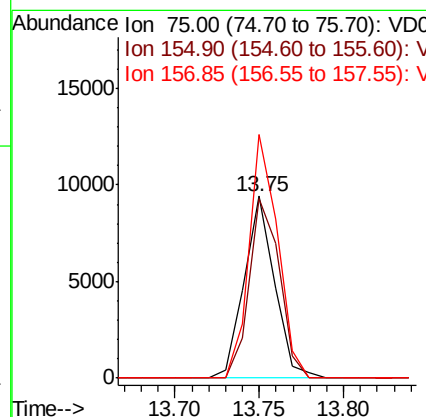
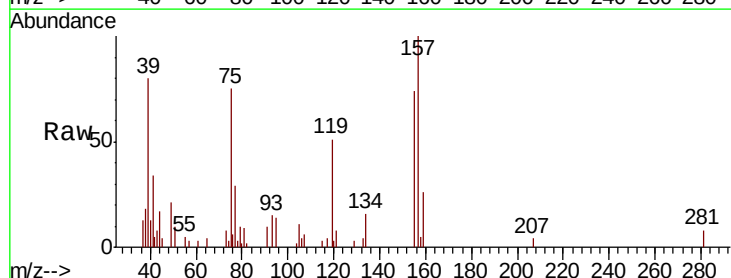
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

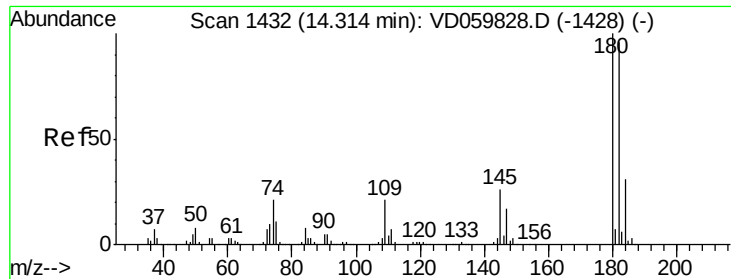
Tgt Ion:146 Resp: 156775
 Ion Ratio Lower Upper
 146 100
 111 43.0 20.9 62.8
 148 68.0 31.6 94.8



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.562 ug/l
 RT: 13.75 min Scan# 1374
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion: 75 Resp: 11756
 Ion Ratio Lower Upper
 75 100
 155 98.6 59.1 177.3
 157 133.7 79.7 238.9

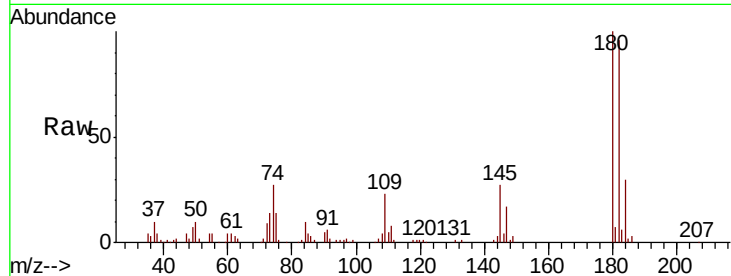




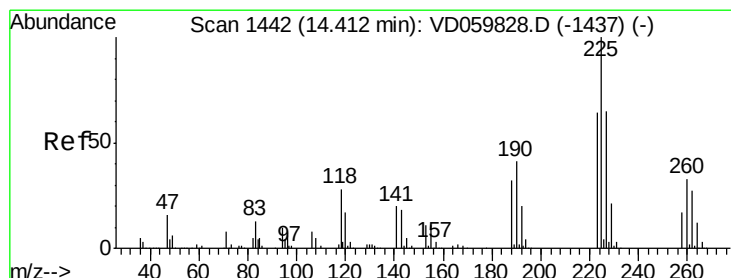
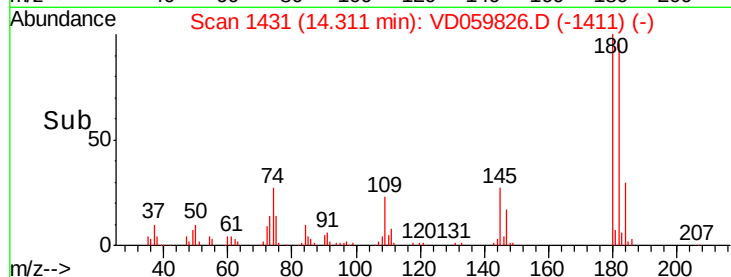
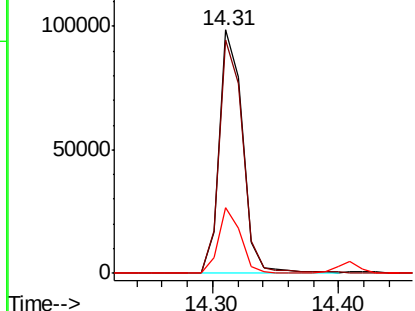
#93
 1,2,4-Trichlorobenzene
 Concen: 10.366 ug/l
 RT: 14.31 min Scan# 1431
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:180 Resp: 127271
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.0 144.0
 145 26.9 13.1 39.1

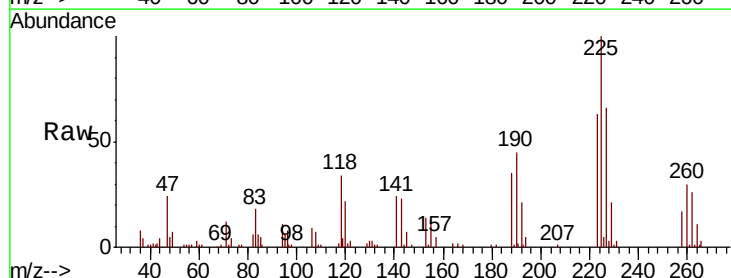


Abundance Ion 179.85 (179.55 to 180.55): V
 Ion 181.85 (181.55 to 182.55): V
 Ion 144.95 (144.65 to 145.65): V

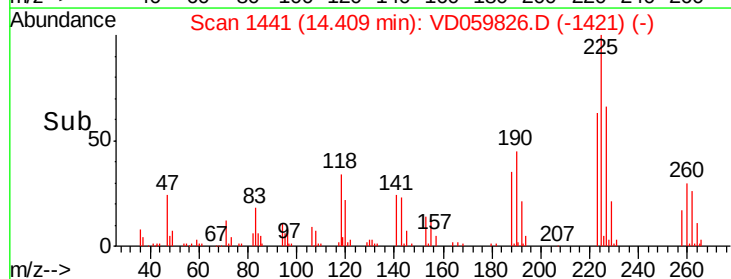
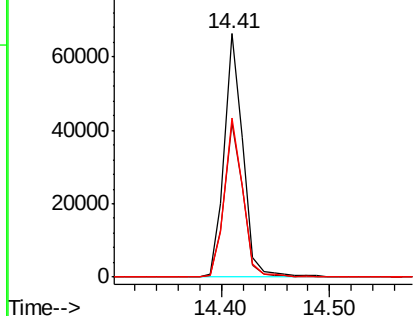


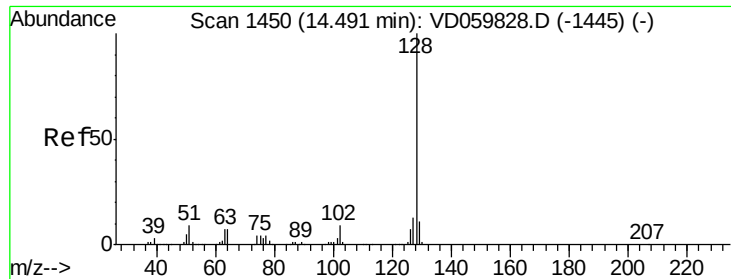
#94
 Hexachlorobutadiene
 Concen: 9.812 ug/l
 RT: 14.41 min Scan# 1441
 Delta R.T. -0.00 min
 Lab File: VD059826.D
 Acq: 20 Aug 2018 12:30

Tgt Ion:225 Resp: 80050
 Ion Ratio Lower Upper
 225 100
 223 63.1 31.8 95.4
 227 65.6 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

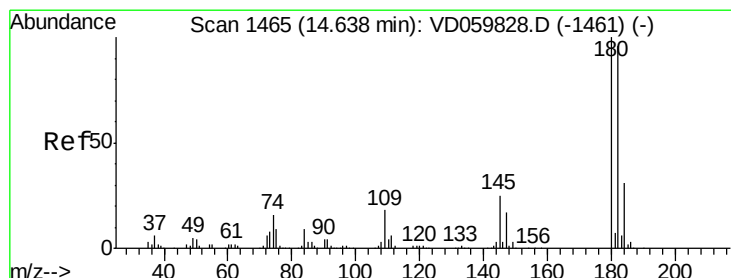
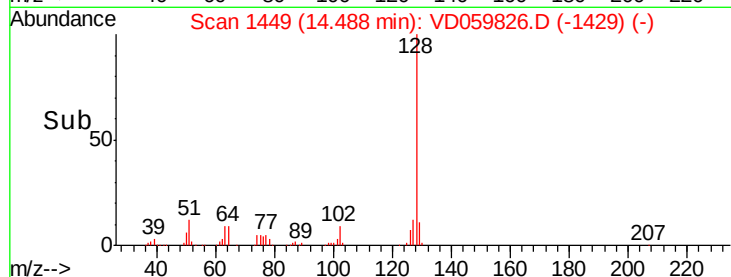
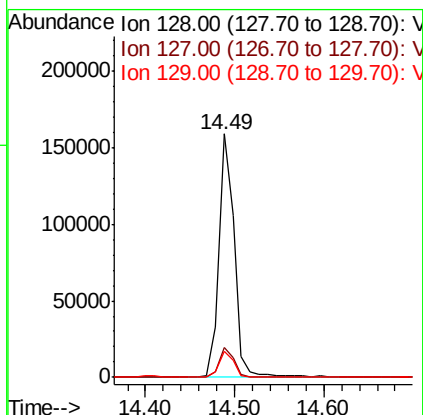
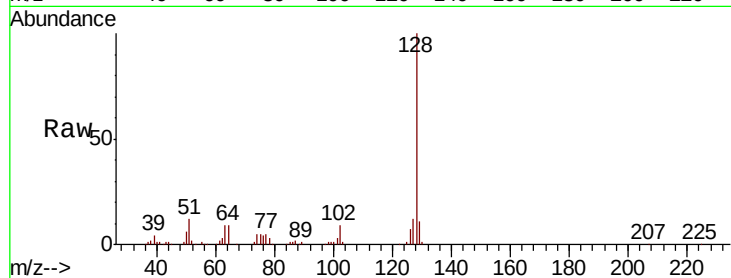




#95
Naphthalene
Concen: 9.845 ug/l
RT: 14.49 min Scan# 1449
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 192847
Ion Ratio Lower Upper
128 100
127 12.3 10.1 15.1
129 10.7 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 10.233 ug/l
RT: 14.64 min Scan# 1464
Delta R.T. -0.00 min
Lab File: VD059826.D
Acq: 20 Aug 2018 12:30

Tgt Ion:180 Resp: 109063
Ion Ratio Lower Upper
180 100
182 96.3 47.8 143.4
145 28.4 12.7 38.0

