

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_D\DATA\VD022119\
 Data File : VD060886.D
 Acq On : 21 Feb 2019 17:26
 Operator : VA/AP
 Sample : VSTDIC010
 Misc : 5.00g/5ml/MSVOA_D/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Quant Time: Feb 22 07:29:36 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D022119S.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 22 07:26:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	6.79	168	1948521	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	7.97	114	2669331	50.00	ug/l	0.00
63) Chlorobenzene-d5	12.15	117	2288910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	14.32	152	1238232	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.20	65	150643	7.60	ug/l	0.00
Spiked Amount			Recovery	=	15.20%	
35) Dibromofluoromethane	6.67	113	214276	10.49	ug/l	0.00
Spiked Amount			Recovery	=	20.98%	
50) Toluene-d8	10.17	98	590553	11.64	ug/l	0.00
Spiked Amount			Recovery	=	23.28%	
62) 4-Bromofluorobenzene	13.35	95	222244	10.28	ug/l	0.00
Spiked Amount			Recovery	=	20.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.57	85	235926	8.526	ug/l	98
3) Chloromethane	1.74	50	148755	8.487	ug/l	96
4) Vinyl Chloride	1.84	62	117309	7.998	ug/l	100
5) Bromomethane	2.12	94	34477	4.419	ug/l	96
6) Chloroethane	2.23	64	36643	5.218	ug/l	92
7) Trichlorofluoromethane	2.48	101	184671	5.963	ug/l	97
8) Diethyl Ether	2.79	74	78948	15.731	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.05	101	228768	13.450	ug/l	97
10) Methyl Iodide	3.20	142	319697	15.830	ug/l	98
11) Tert butyl alcohol	3.89	59	47419	44.076	ug/l	98
12) 1,1-Dichloroethene	3.04	96	200056	16.355	ug/l	97
13) Acrolein	2.95	56	73161	70.585	ug/l	98
14) Allyl chloride	3.49	41	361806	13.160	ug/l	97
15) Acrylonitrile	4.02	53	175524	44.586	ug/l	98
16) Acetone	3.12	43	201539	47.725	ug/l	95
17) Carbon Disulfide	3.27	76	745886	16.554	ug/l	99
18) Methyl Acetate	3.50	43	87565	12.379	ug/l	92
19) Methyl tert-butyl Ether	4.06	73	388204	9.411	ug/l	98
20) Methylene Chloride	3.67	84	302486	11.468	ug/l	97
21) trans-1,2-Dichloroethene	4.04	96	225556	11.034	ug/l	96
22) Diisopropyl ether	4.87	45	693340	9.400	ug/l	97
23) Vinyl Acetate	4.81	43	1856193	42.504	ug/l	100
24) 1,1-Dichloroethane	4.75	63	342661	8.647	ug/l	98
25) 2-Butanone	5.81	43	273651	43.651	ug/l	98
26) 2,2-Dichloropropane	5.77	77	317324	8.530	ug/l	97
27) cis-1,2-Dichloroethene	5.79	96	238939	11.288	ug/l	100
28) Bromochloromethane	6.19	49	144738	8.561	ug/l	98
29) Tetrahydrofuran	6.21	42	152613	48.984	ug/l	97
30) Chloroform	6.40	83	387347	9.288	ug/l	97
31) Cyclohexane	6.71	56	315374	9.479	ug/l	97
32) 1,1,1-Trichloroethane	6.62	97	300338	8.212	ug/l	98
36) 1,1-Dichloropropene	6.90	75	291712	8.965	ug/l	97
37) Ethyl Acetate	5.91	43	120468	7.216	ug/l	98
38) Carbon Tetrachloride	6.87	117	264233	7.946	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.63	83	335502	10.612	ug/l	99
40) Benzene	7.21	78	810239	11.014	ug/l	100
41) Methacrylonitrile	6.20	41	162700	14.285	ug/l #	90
42) 1,2-Dichloroethane	7.33	62	201437	7.126	ug/l	96
43) Isopropyl Acetate	8.99	43	188033	8.866	ug/l #	99
44) Trichloroethene	8.29	130	241950	11.041	ug/l	98
45) 1,2-Dichloropropane	8.70	63	181561	9.244	ug/l	98
46) Dibromomethane	8.82	93	119940	9.523	ug/l	98
47) Bromodichloromethane	9.13	83	278727	8.844	ug/l	99
48) Methyl methacrylate	8.87	41	103874	7.268	ug/l	99
49) 1,4-Dioxane	8.83	88	22349	210.874	ug/l	95
51) 4-Methyl-2-Pentanone	10.07	43	565080	41.360	ug/l	99
52) Toluene	10.28	92	468802	11.071	ug/l	98
53) t-1,3-Dichloropropene	10.69	75	263778	9.352	ug/l	94
54) cis-1,3-Dichloropropene	9.80	75	320591	9.909	ug/l	97
55) 1,1,2-Trichloroethane	10.96	97	141279	11.232	ug/l	98
56) Ethyl methacrylate	10.81	69	160490	9.978	ug/l	98
57) 1,3-Dichloropropane	11.19	76	225996	9.827	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.62	63	400123	49.323	ug/l	96
59) 2-Hexanone	11.31	43	420196	41.755	ug/l	98
60) Dibromochloromethane	11.46	129	210311	10.377	ug/l	100
61) 1,2-Dibromoethane	11.59	107	154292	10.352	ug/l	96
64) Tetrachloroethene	11.03	164	204965	9.532	ug/l	98
65) Chlorobenzene	12.18	112	530638	11.163	ug/l	98
66) 1,1,1,2-Tetrachloroethane	12.30	131	204860	9.974	ug/l	99
67) Ethyl Benzene	12.31	91	962819	10.742	ug/l	97
68) m/p-Xylenes	12.46	106	639409	21.226	ug/l	99
69) o-Xylene	12.84	106	307078	10.718	ug/l	98
70) Styrene	12.86	104	521286	11.270	ug/l	97
71) Bromoform	13.03	173	125123	8.346	ug/l	97
73) Isopropylbenzene	13.20	105	809274	8.957	ug/l	98
74) N-amyl acetate	13.06	43	247558	7.548	ug/l	94
75) 1,1,2,2-Tetrachloroethane	13.49	83	168104	9.392	ug/l	96
76) 1,2,3-Trichloropropane	13.53	75	175225	8.594	ug/l	100
77) Bromobenzene	13.46	156	231980	9.324	ug/l	79
78) n-propylbenzene	13.57	91	1051925	8.950	ug/l	94
79) 2-Chlorotoluene	13.64	91	598632	9.204	ug/l	99
80) 1,3,5-Trimethylbenzene	14.03	105	697525	9.309	ug/l	97
81) trans-1,4-Dichloro-2-buten	13.26	75	47638	8.849	ug/l	97
82) 4-Chlorotoluene	13.75	91	643177	8.700	ug/l	95
83) tert-Butylbenzene	13.99	119	755822	9.060	ug/l	93
84) 1,2,4-Trimethylbenzene	14.03	105	697525	9.309	ug/l	97
85) sec-Butylbenzene	14.17	105	853578	9.345	ug/l	98
86) p-Isopropyltoluene	14.29	119	741522	9.678	ug/l	97
87) 1,3-Dichlorobenzene	14.26	146	443153	10.314	ug/l	96
88) 1,4-Dichlorobenzene	14.34	146	430826	9.960	ug/l	98
89) n-Butylbenzene	14.60	91	747110	9.547	ug/l	99
90) Hexachloroethane	14.81	117	190973	9.255	ug/l	86
91) 1,2-Dichlorobenzene	14.61	146	380600	10.369	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	15.18	75	21891	7.466	ug/l	89

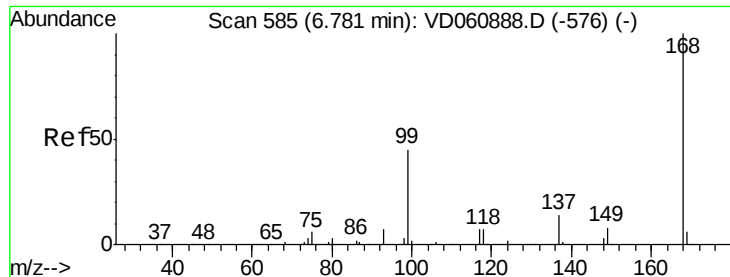
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.75	180	230637	7.589	ug/l	99
94) Hexachlorobutadiene	15.84	225	154943	5.887	ug/l	98
95) Naphthalene	15.92	128	332781	8.209	ug/l	98
96) 1,2,3-Trichlorobenzene	16.07	180	152591	6.212	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 6.79 min Scan# 585

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

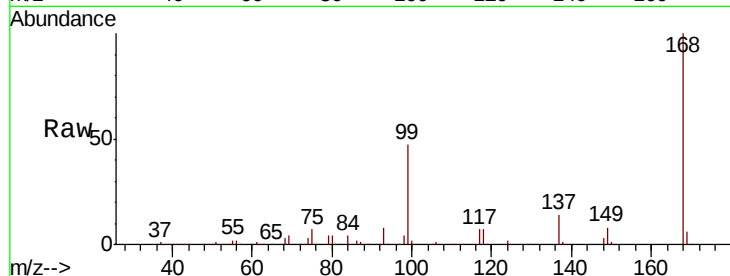
VSTDIC010

Tgt Ion:168 Resp: 1948521

Ion Ratio Lower Upper

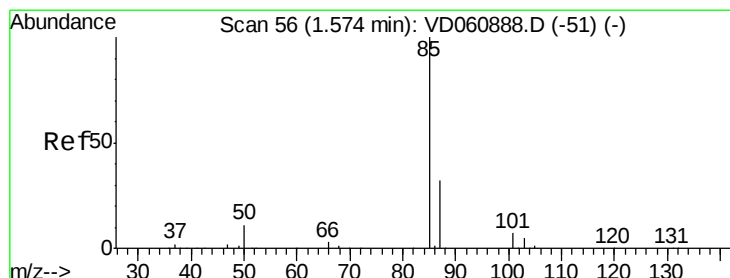
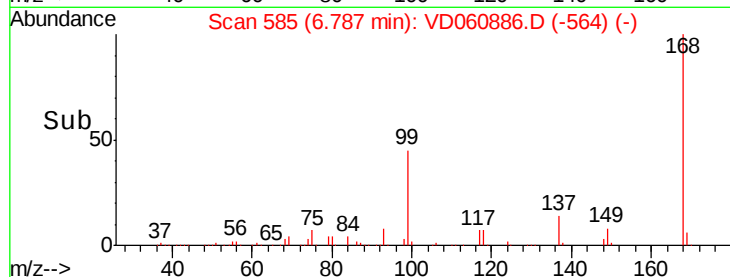
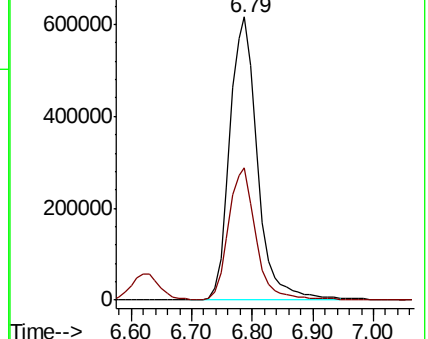
168 100

99 46.5 37.4 56.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.95 (98.65 to 99.65): VDC



#2

Dichlorodifluoromethane

Concen: 8.526 ug/l

RT: 1.57 min Scan# 55

Delta R.T. -0.00 min

Lab File: VD060886.D

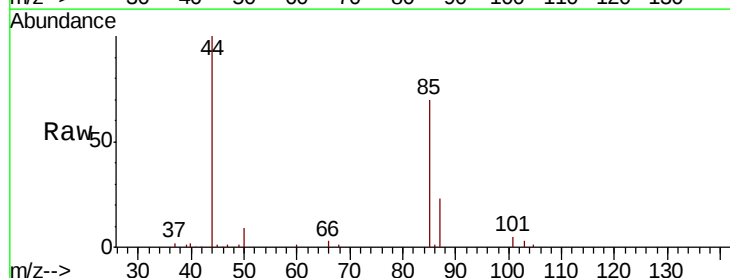
Acq: 21 Feb 2019 17:26

Tgt Ion: 85 Resp: 235926

Ion Ratio Lower Upper

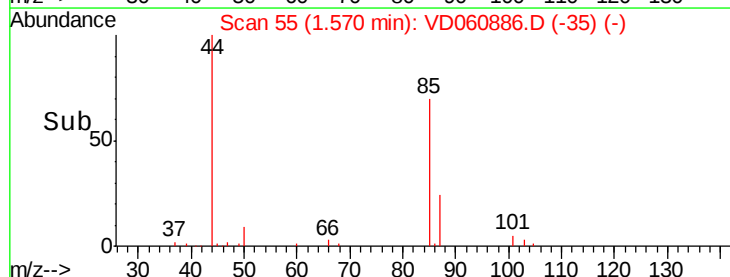
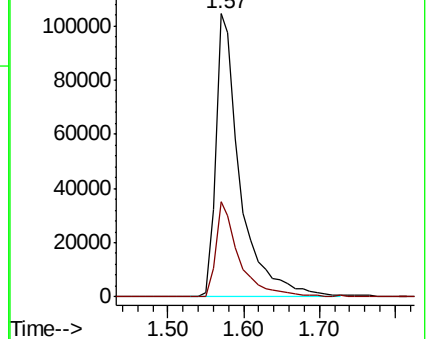
85 100

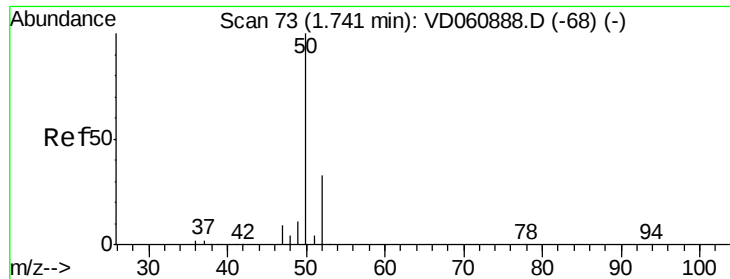
87 33.5 16.2 48.5



Abundance Ion 84.95 (84.65 to 85.65): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 8.487 ug/l

RT: 1.74 min Scan# 72

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

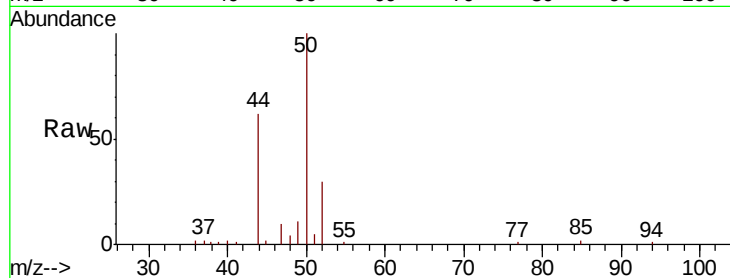
VSTDIC010

Tgt Ion: 50 Resp: 148755

Ion Ratio Lower Upper

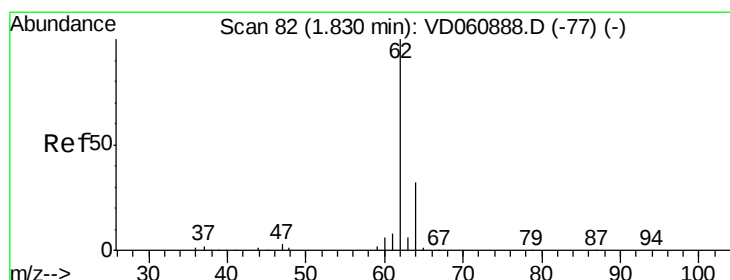
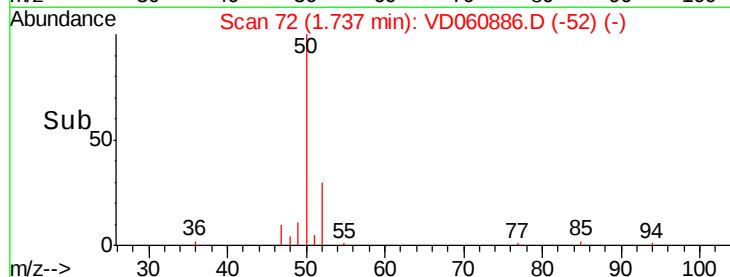
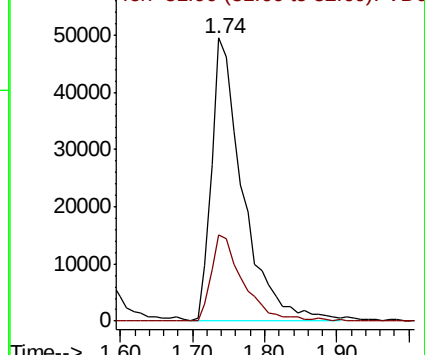
50 100

52 30.3 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 7.998 ug/l

RT: 1.84 min Scan# 82

Delta R.T. 0.01 min

Lab File: VD060886.D

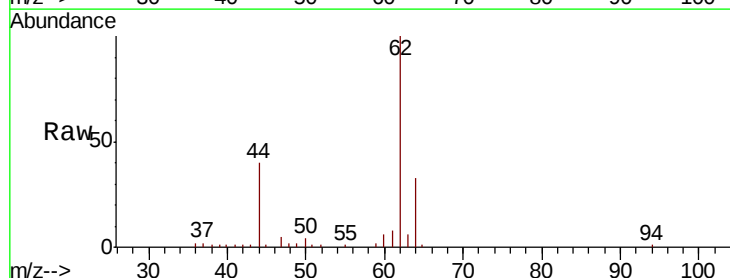
Acq: 21 Feb 2019 17:26

Tgt Ion: 62 Resp: 117309

Ion Ratio Lower Upper

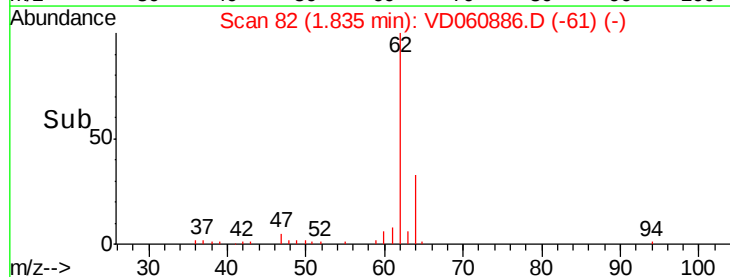
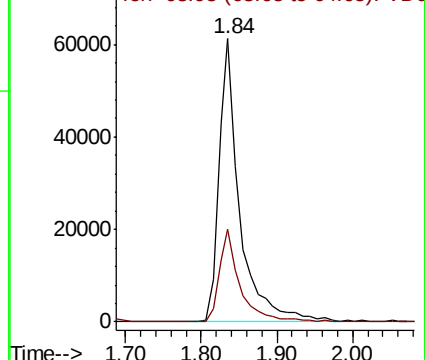
62 100

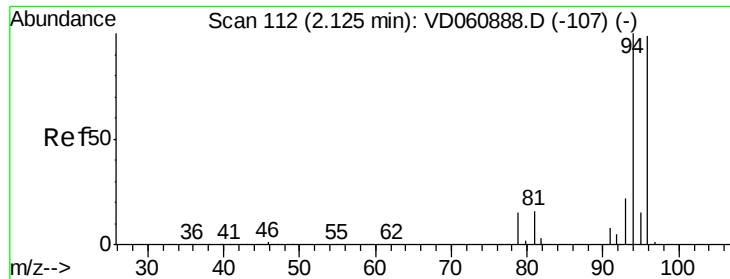
64 32.7 26.0 39.0



Abundance Ion 61.95 (61.65 to 62.65): VDC

Ion 63.95 (63.65 to 64.65): VDC





#5

Bromomethane

Concen: 4.419 ug/l

RT: 2.12 min Scan# 111

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

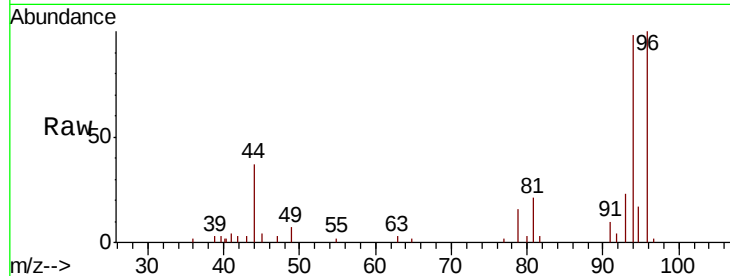
VSTDIC010

Tgt Ion: 94 Resp: 34477

Ion Ratio Lower Upper

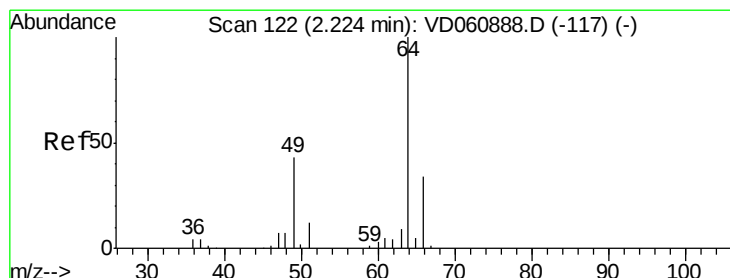
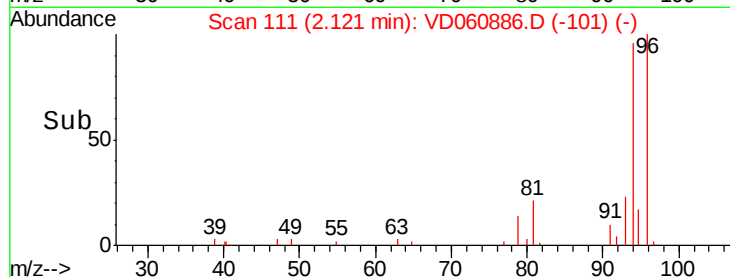
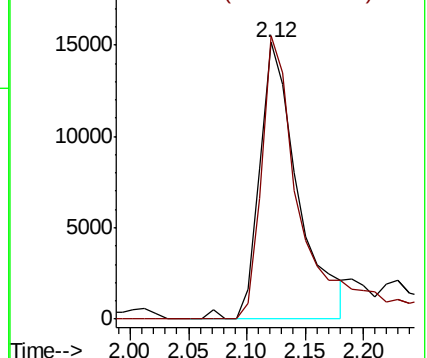
94 100

96 102.4 79.0 118.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 5.218 ug/l

RT: 2.23 min Scan# 122

Delta R.T. 0.01 min

Lab File: VD060886.D

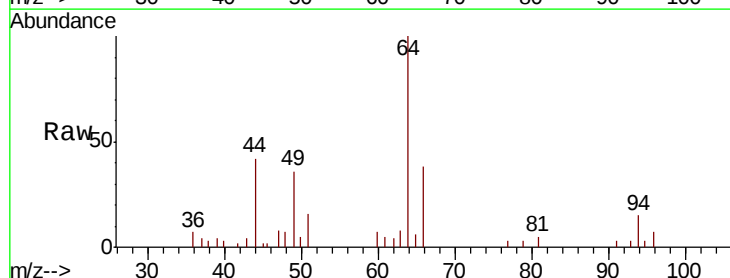
Acq: 21 Feb 2019 17:26

Tgt Ion: 64 Resp: 36643

Ion Ratio Lower Upper

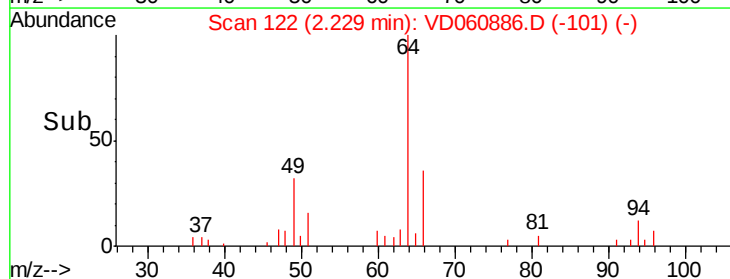
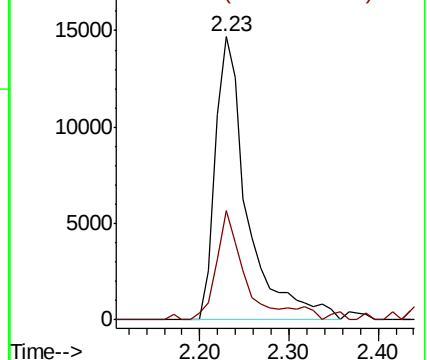
64 100

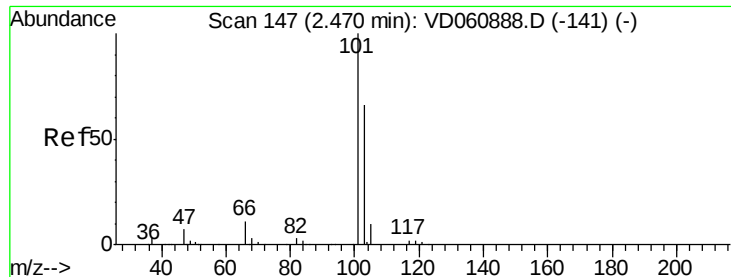
66 38.4 27.0 40.6



Abundance Ion 63.95 (63.65 to 64.65): VDC

Ion 65.90 (65.60 to 66.60): VDC



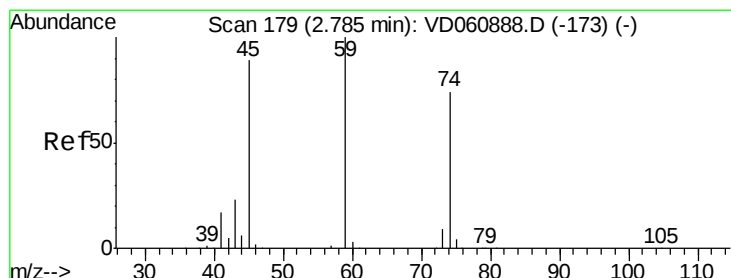
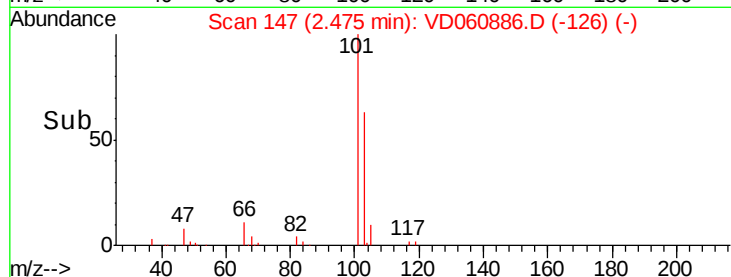
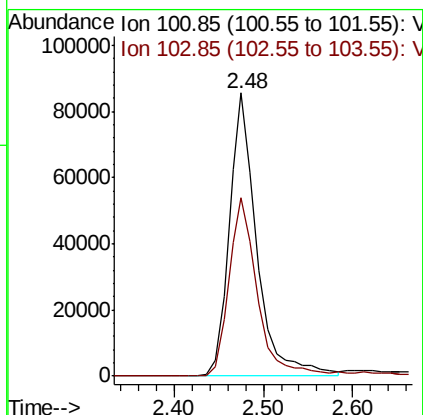
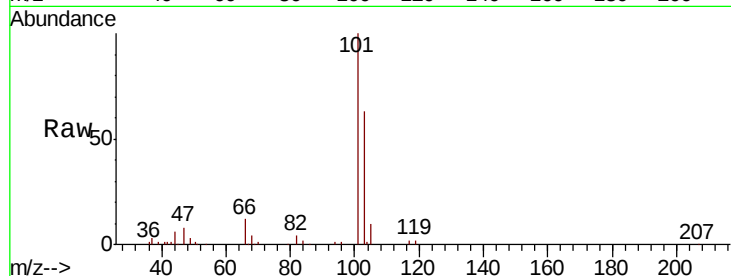


#7

Trichlorofluoromethane
 Concen: 5.963 ug/l
 RT: 2.48 min Scan# 147
 Delta R.T. 0.01 min
 Lab File: VD060886.D
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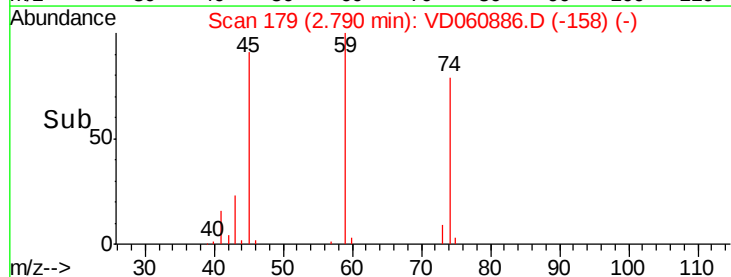
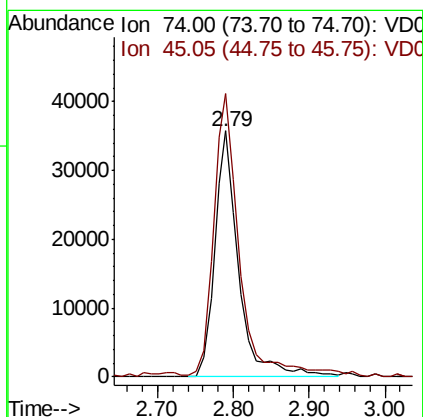
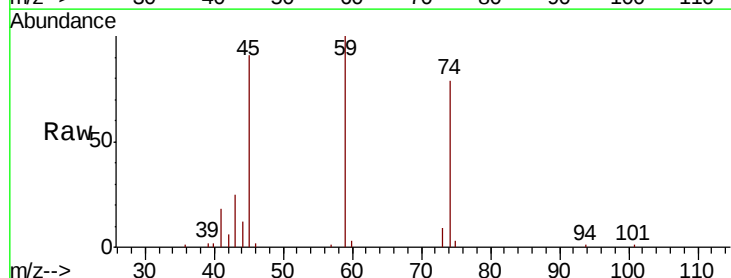
Tgt Ion:101 Resp: 184671
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.6 79.0

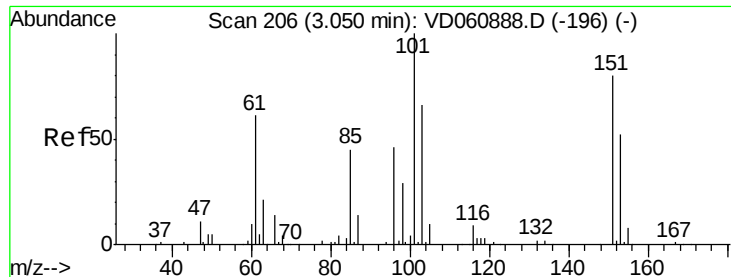


#8

Diethyl Ether
 Concen: 15.731 ug/l
 RT: 2.79 min Scan# 179
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion: 74 Resp: 78948
 Ion Ratio Lower Upper
 74 100
 45 115.0 60.2 180.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 13.450 ug/l

RT: 3.05 min Scan# 205

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

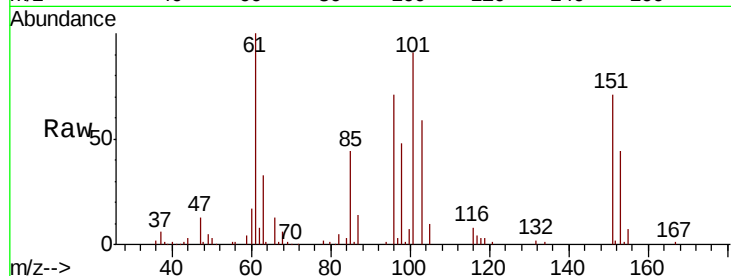
Tgt Ion:101 Resp: 228768

Ion Ratio Lower Upper

101 100

85 48.2 35.9 53.9

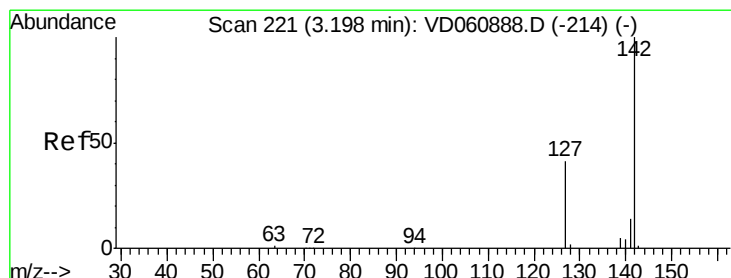
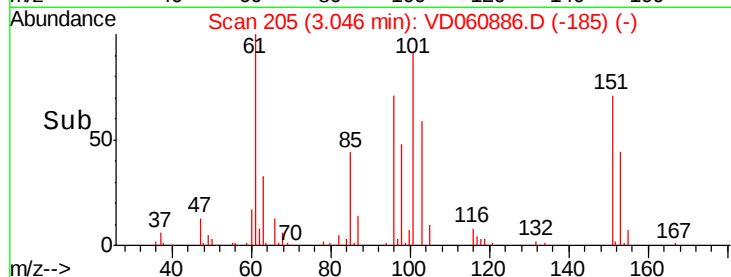
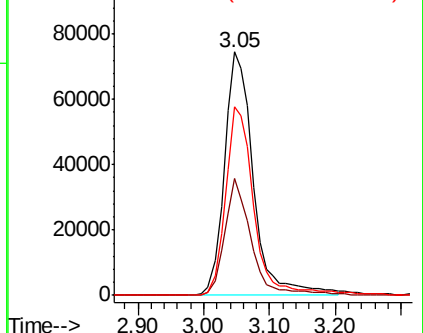
151 77.7 63.7 95.5



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: 15.830 ug/l

RT: 3.20 min Scan# 221

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

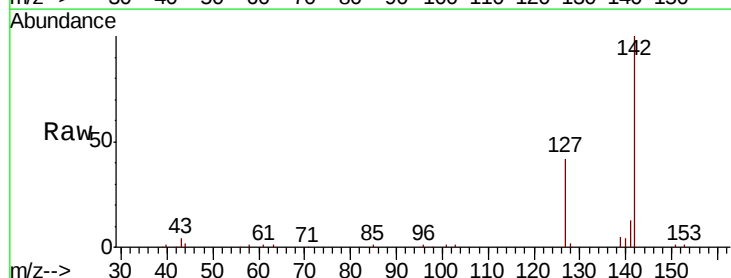
Tgt Ion:142 Resp: 319697

Ion Ratio Lower Upper

142 100

127 42.4 33.0 49.4

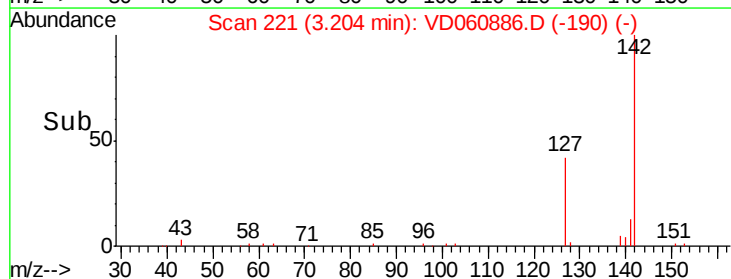
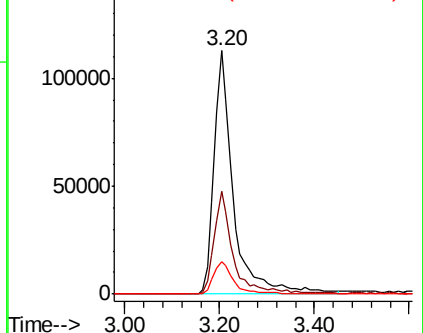
141 13.4 11.4 17.2

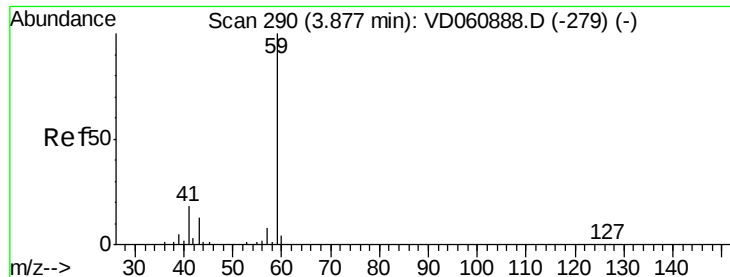


Abundance Ion 141.85 (141.55 to 142.55): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.85 (140.55 to 141.55): V

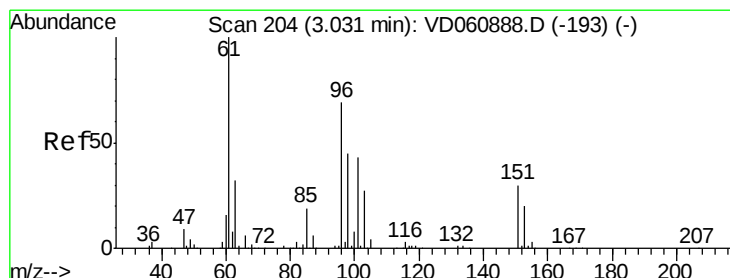
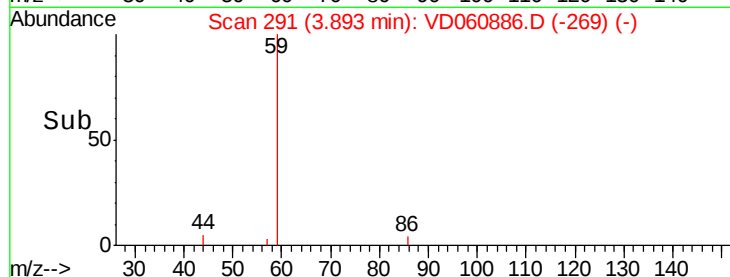
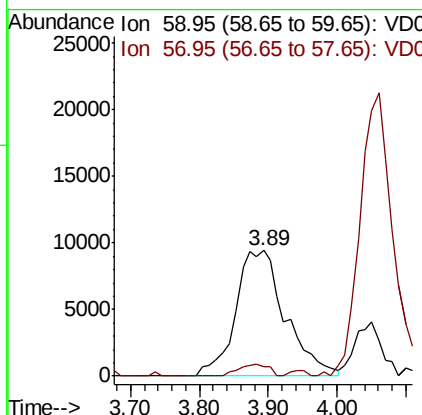
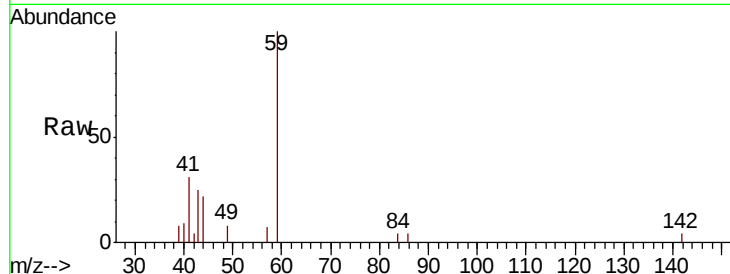




#11
Tert butyl alcohol
Concen: 44.076 ug/l
RT: 3.89 min Scan# 291
Delta R.T. 0.02 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

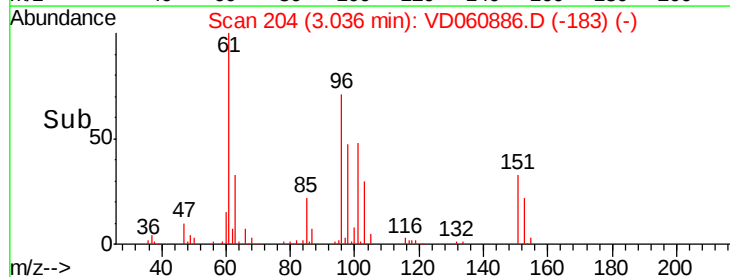
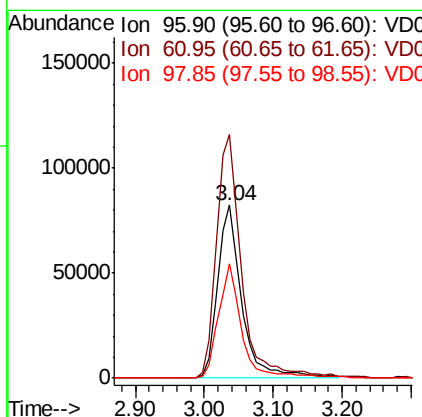
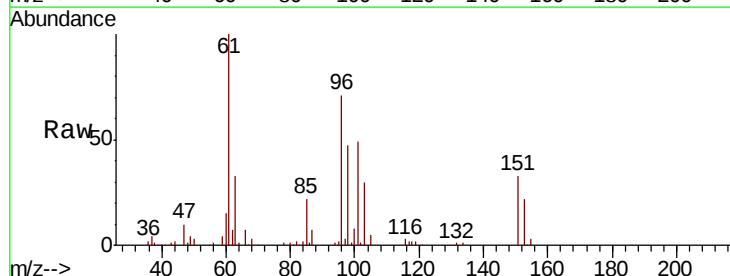
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

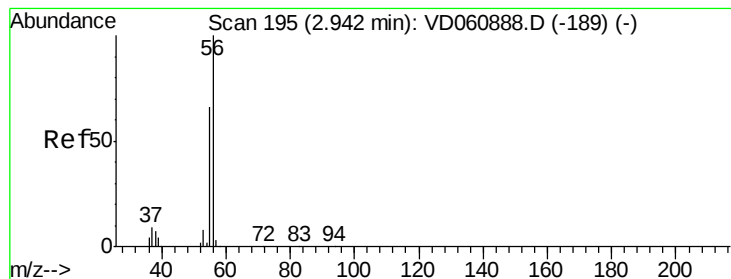
Tgt Ion: 59 Resp: 47419
Ion Ratio Lower Upper
59 100
57 7.3 6.3 9.5



#12
1,1-Dichloroethene
Concen: 16.355 ug/l
RT: 3.04 min Scan# 204
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion: 96 Resp: 200056
Ion Ratio Lower Upper
96 100
61 140.7 116.1 174.1
98 66.0 51.8 77.6





#13

Acrolein

Concen: 70.585 ug/l

RT: 2.95 min Scan# 195

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

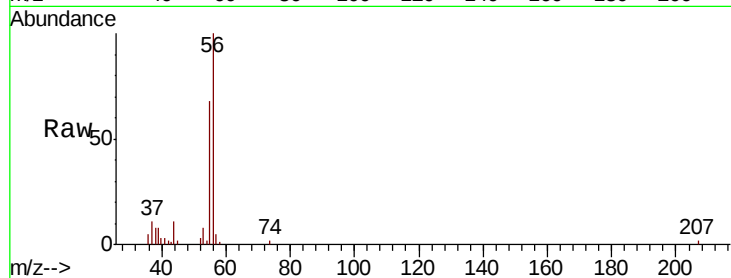
VSTDIC010

Tgt Ion: 56 Resp: 73161

Ion Ratio Lower Upper

56 100

55 67.6 53.0 79.4

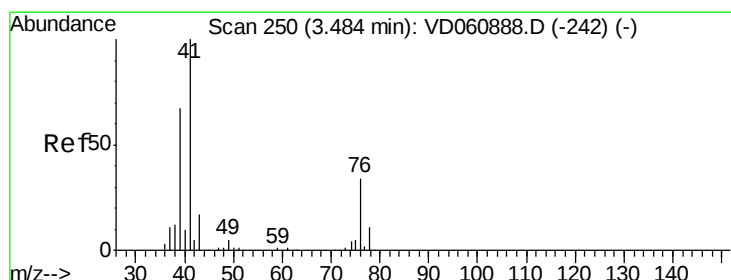
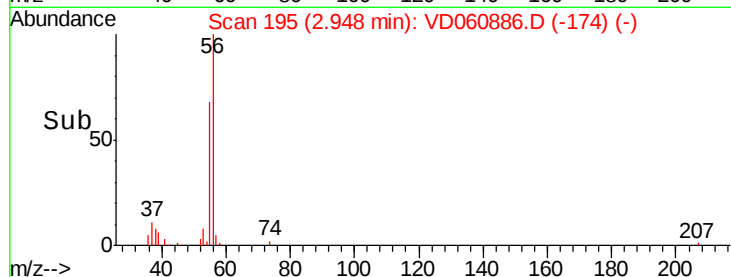


Abundance Ion 55.95 (55.65 to 56.65): VDC

Ion 55.00 (54.70 to 55.70): VDC

2.95

Time-->



#14

Allyl chloride

Concen: 13.160 ug/l

RT: 3.49 min Scan# 250

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

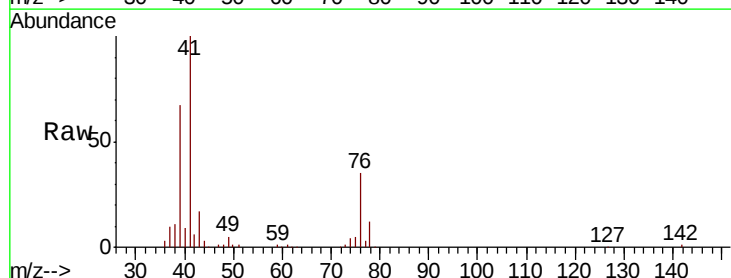
Tgt Ion: 41 Resp: 361806

Ion Ratio Lower Upper

41 100

39 66.6 53.7 80.5

76 34.5 30.9 46.3



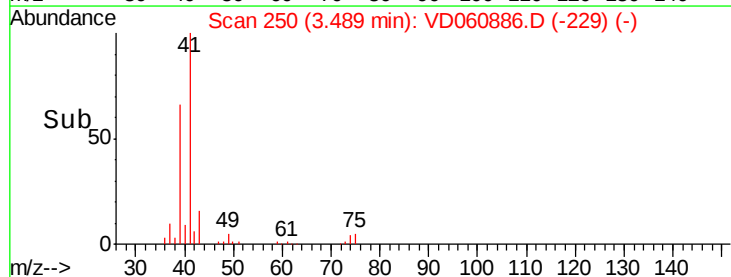
Abundance Ion 41.05 (40.75 to 41.75): VDC

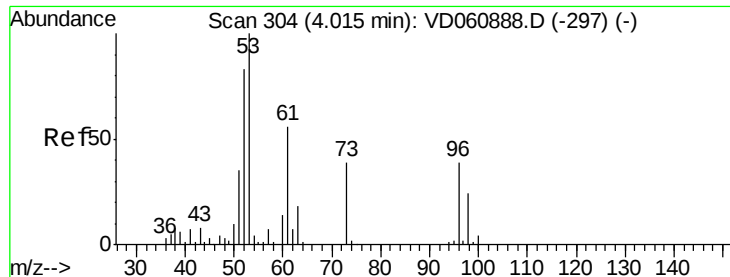
Ion 38.95 (38.65 to 39.65): VDC

Ion 75.95 (75.65 to 76.65): VDC

3.49

Time-->





#15

Acrylonitrile

Concen: 44.586 ug/l

RT: 4.02 min Scan# 304

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

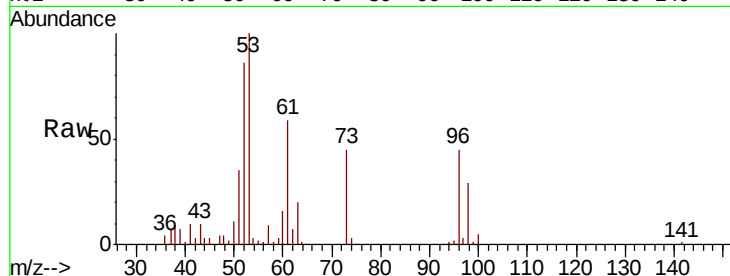
Tgt Ion: 53 Resp: 175524

Ion Ratio Lower Upper

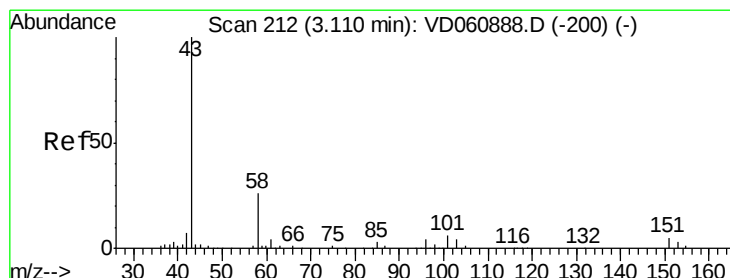
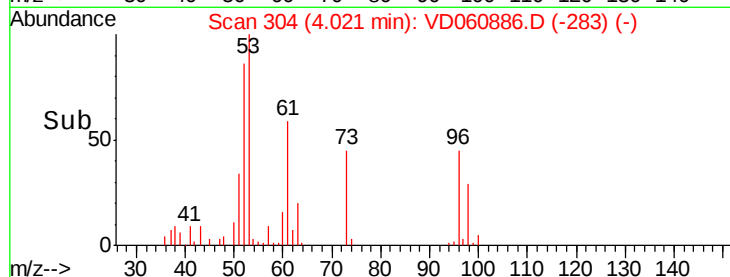
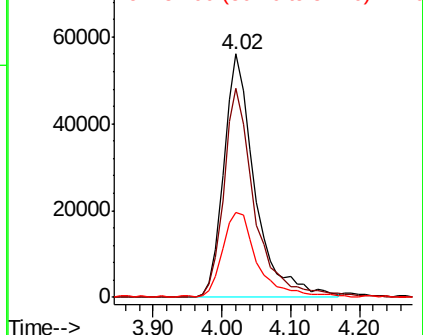
53 100

52 85.7 66.7 100.1

51 34.8 28.4 42.6



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



#16

Acetone

Concen: 47.725 ug/l

RT: 3.12 min Scan# 212

Delta R.T. 0.01 min

Lab File: VD060886.D

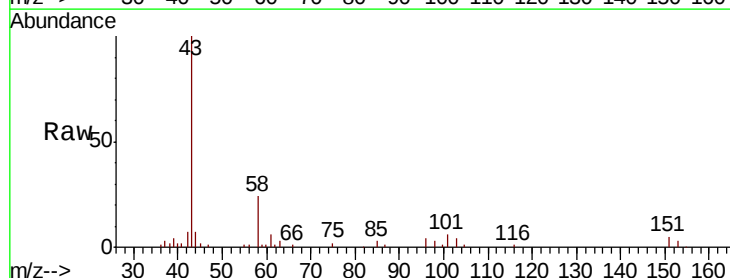
Acq: 21 Feb 2019 17:26

Tgt Ion: 43 Resp: 201539

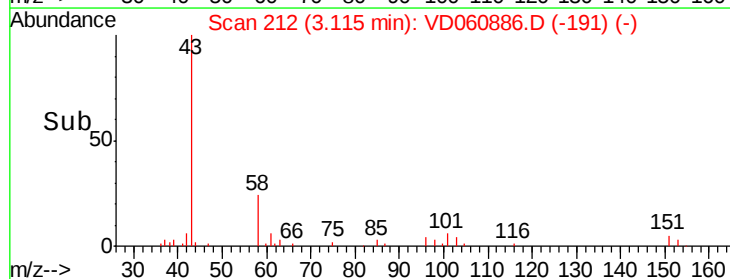
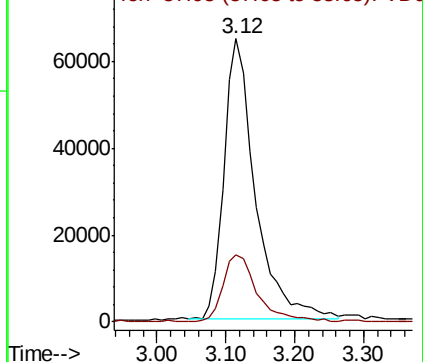
Ion Ratio Lower Upper

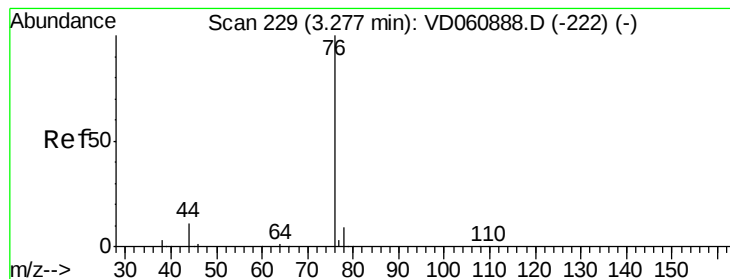
43 100

58 23.8 21.0 31.4



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





#17

Carbon Disulfide

Concen: 16.554 ug/l

RT: 3.27 min Scan# 228

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

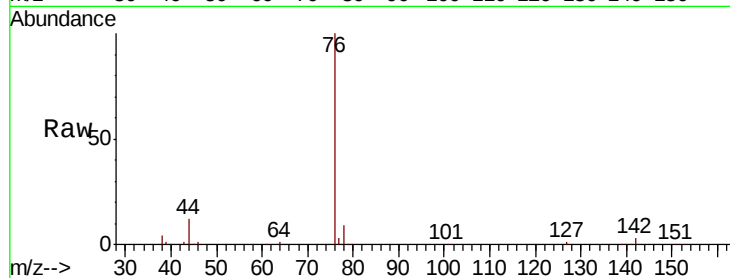
VSTDIC010

Tgt Ion: 76 Resp: 745886

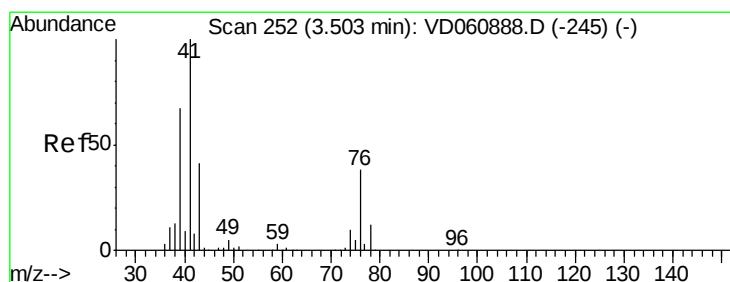
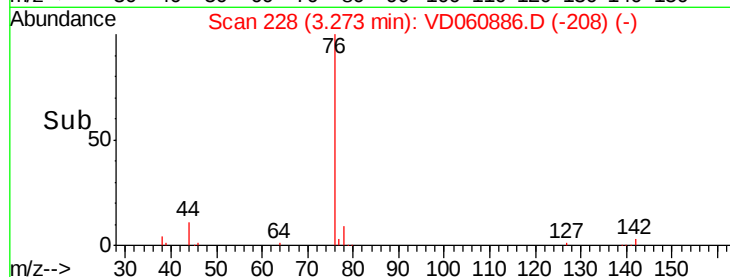
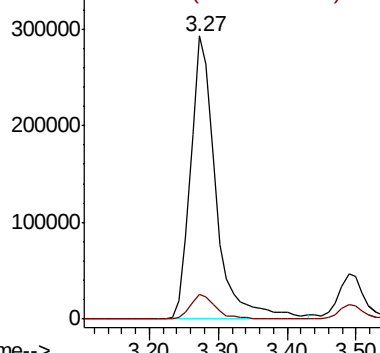
Ion Ratio Lower Upper

76 100

78 8.7 7.4 11.0



Abundance Ion 75.85 (75.55 to 76.55): VDC
Ion 77.85 (77.55 to 78.55): VDC



#18

Methyl Acetate

Concen: 12.379 ug/l

RT: 3.50 min Scan# 251

Delta R.T. -0.00 min

Lab File: VD060886.D

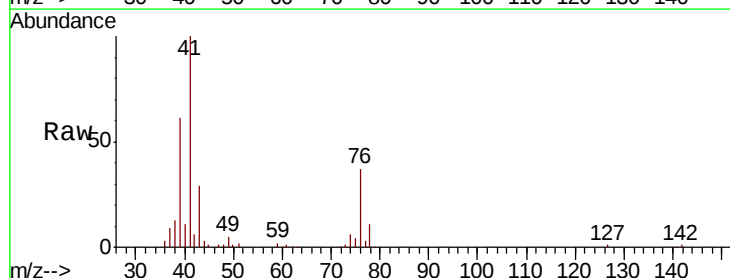
Acq: 21 Feb 2019 17:26

Tgt Ion: 43 Resp: 87565

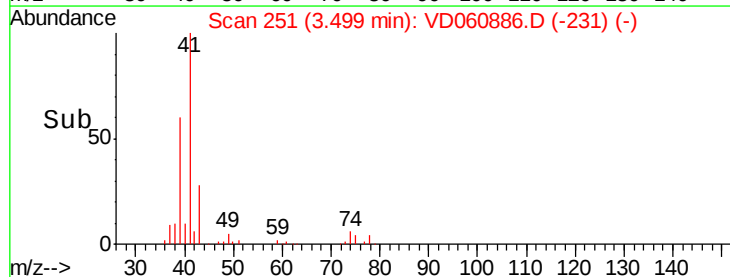
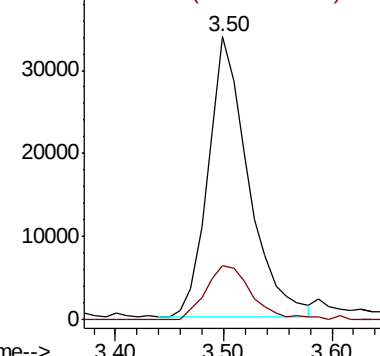
Ion Ratio Lower Upper

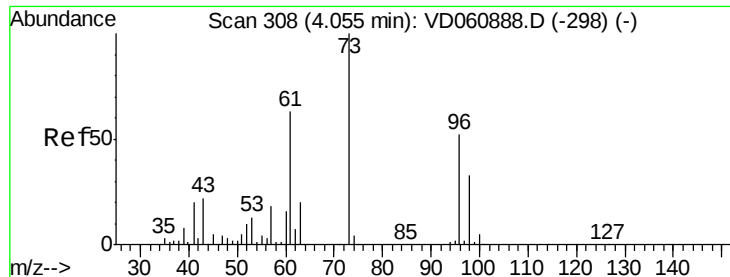
43 100

74 19.2 18.6 28.0



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: 9.411 ug/l

RT: 4.06 min Scan# 308

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

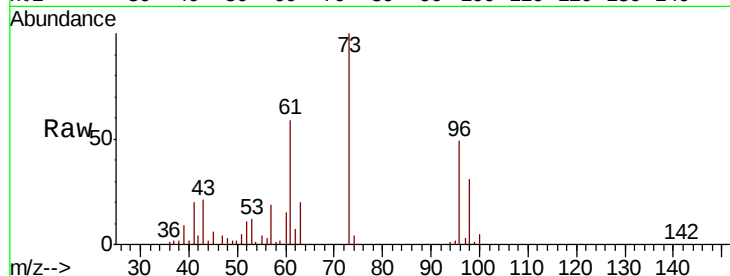
VSTDIC010

Tgt Ion: 73 Resp: 388204

Ion Ratio Lower Upper

73 100

57 19.0 14.5 21.7



Abundance Ion 73.00 (72.70 to 73.70): VDC

Ion 57.05 (56.75 to 57.75): VDC

4.06

120000

100000

80000

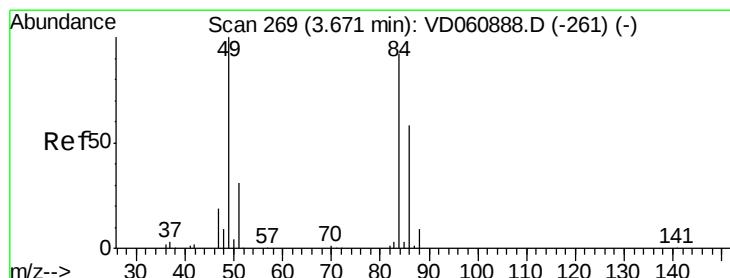
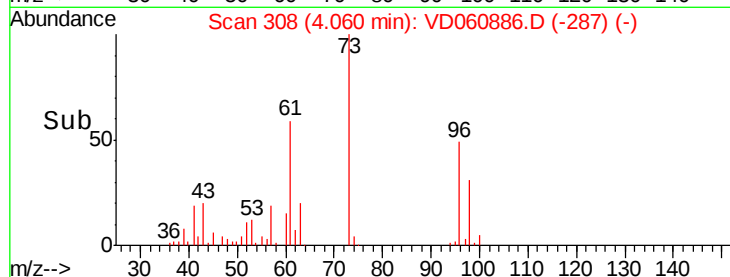
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 11.468 ug/l

RT: 3.67 min Scan# 268

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Tgt Ion: 84 Resp: 302486

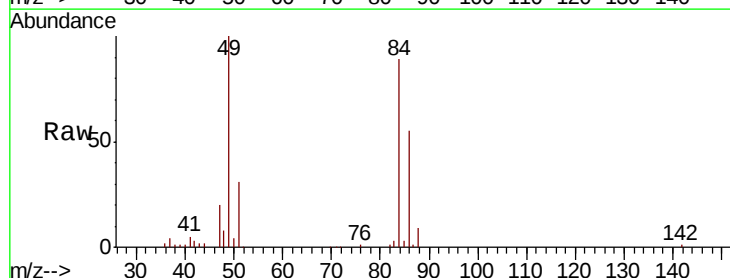
Ion Ratio Lower Upper

84 100

49 112.6 87.2 130.8

51 35.2 27.4 41.0

86 61.6 50.7 76.1



Abundance Ion 83.95 (83.65 to 84.65): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC

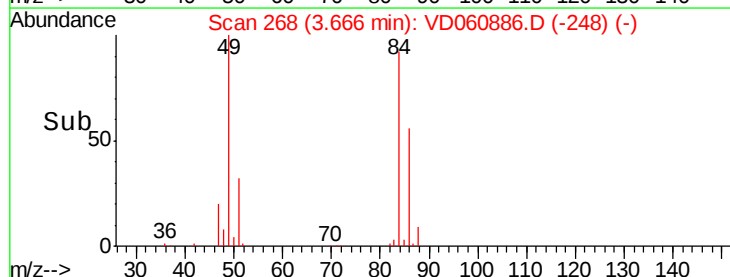
150000

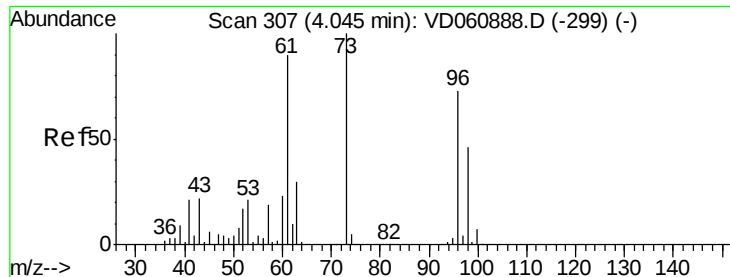
100000

50000

0

Time-->





#21

trans-1,2-Dichloroethene

Concen: 11.034 ug/l

RT: 4.04 min Scan# 306

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

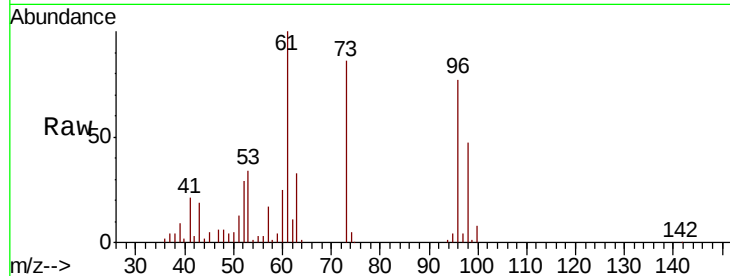
Tgt Ion: 96 Resp: 225556

Ion Ratio Lower Upper

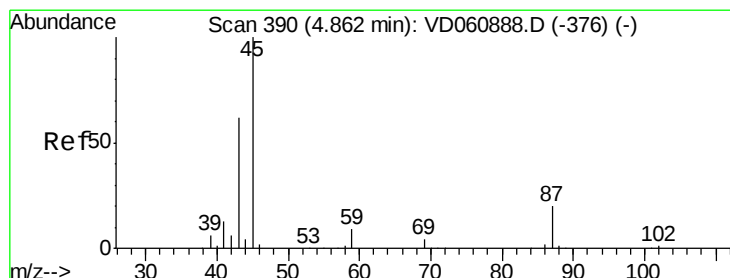
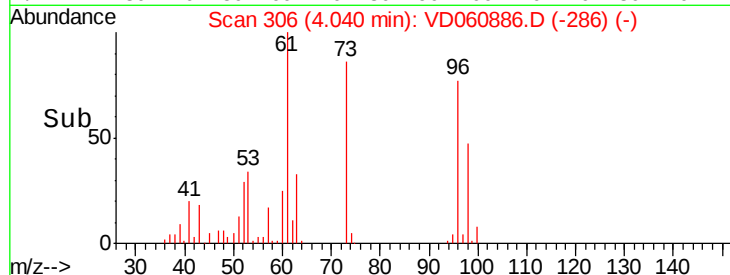
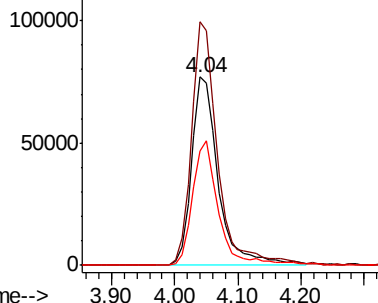
96 100

61 129.3 99.4 149.2

98 60.7 50.6 75.8



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: 9.400 ug/l

RT: 4.87 min Scan# 390

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Tgt Ion: 45 Resp: 693340

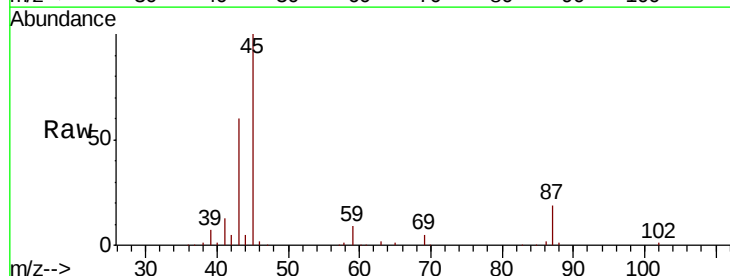
Ion Ratio Lower Upper

45 100

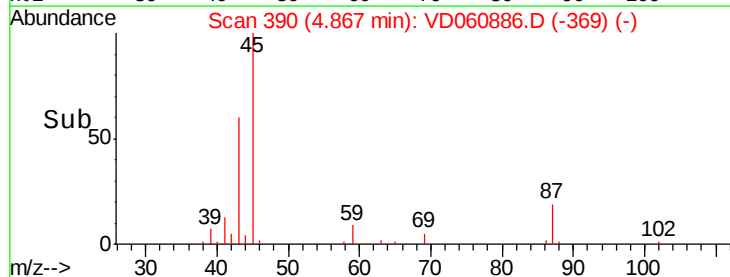
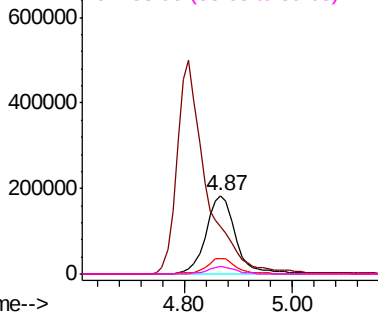
43 59.8 49.8 74.8

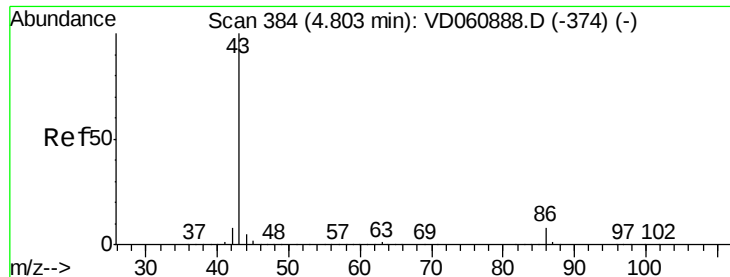
87 19.0 16.7 25.1

59 9.2 7.4 11.2



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

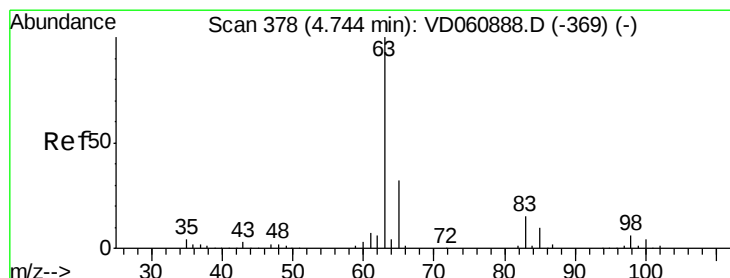
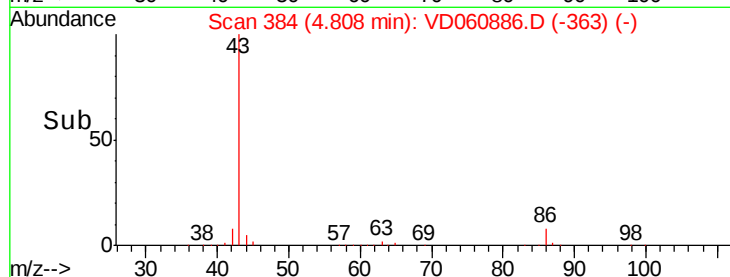
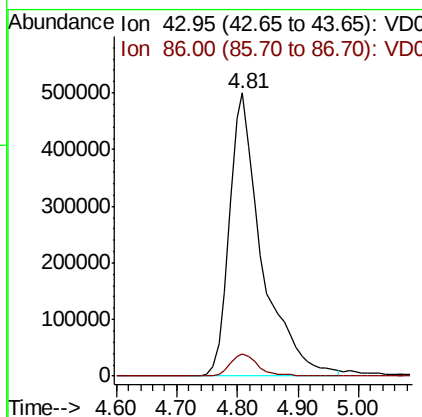
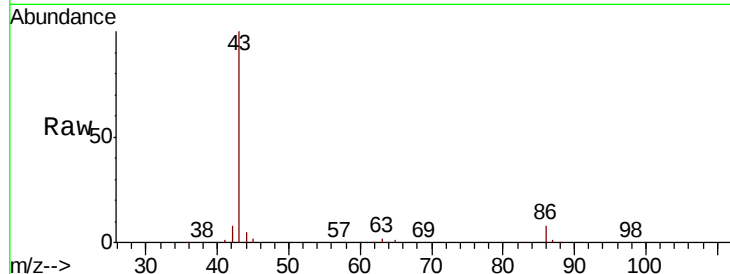




#23
 Vinyl Acetate
 Concen: 42.504 ug/l
 RT: 4.81 min Scan# 384
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

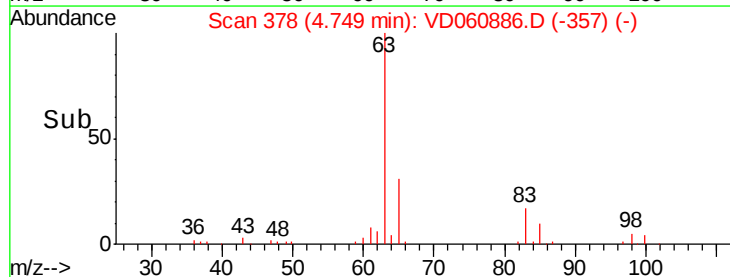
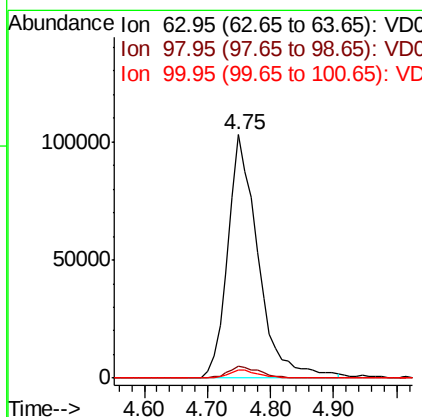
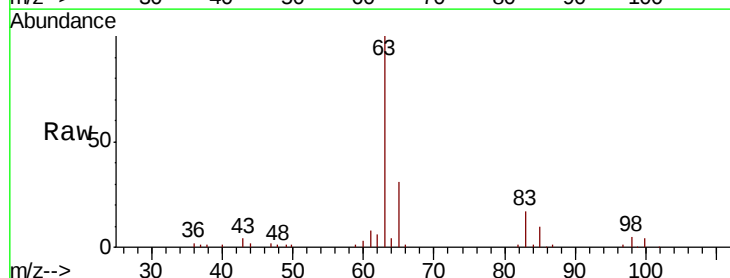
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

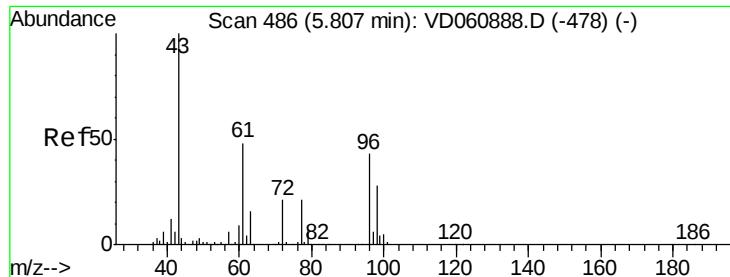
Tgt Ion: 43 Resp: 1856193
 Ion Ratio Lower Upper
 43 100
 86 8.1 6.4 9.6



#24
 1,1-Dichloroethane
 Concen: 8.647 ug/l
 RT: 4.75 min Scan# 378
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion: 63 Resp: 342661
 Ion Ratio Lower Upper
 63 100
 98 4.9 2.9 8.8
 100 3.5 1.8 5.4





#25

2-Butanone

Concen: 43.651 ug/l

RT: 5.81 min Scan# 486

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

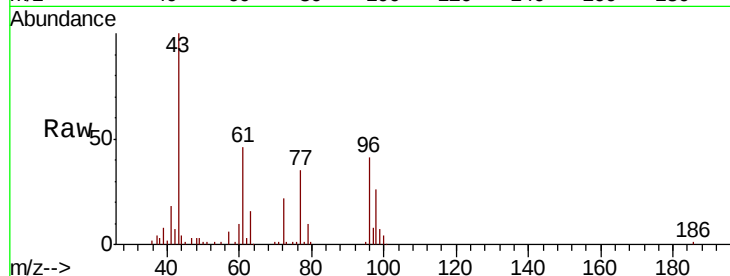
VSTDIC010

Tgt Ion: 43 Resp: 273651

Ion Ratio Lower Upper

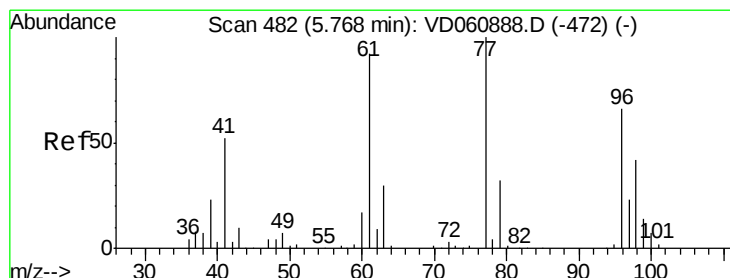
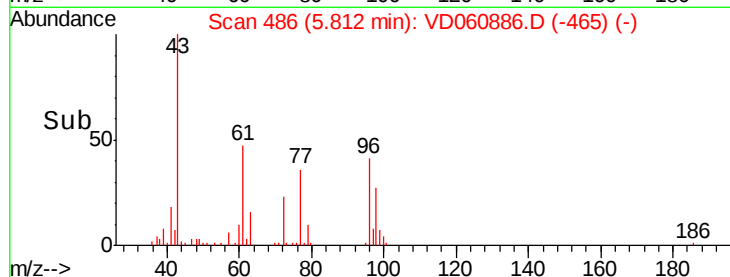
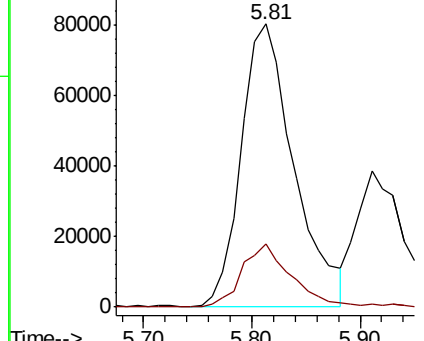
43 100

72 22.4 17.0 25.6



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 72.00 (71.70 to 72.70): VDC



#26

2,2-Dichloropropane

Concen: 8.530 ug/l

RT: 5.77 min Scan# 482

Delta R.T. 0.01 min

Lab File: VD060886.D

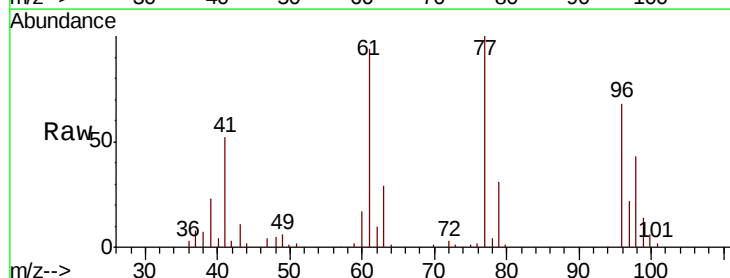
Acq: 21 Feb 2019 17:26

Tgt Ion: 77 Resp: 317324

Ion Ratio Lower Upper

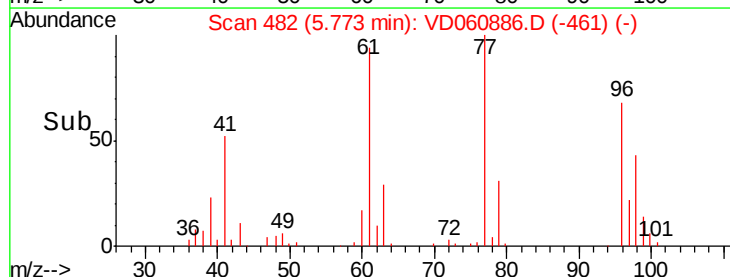
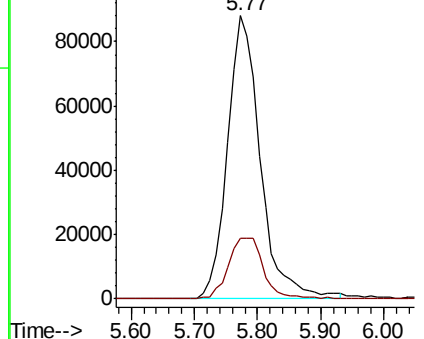
77 100

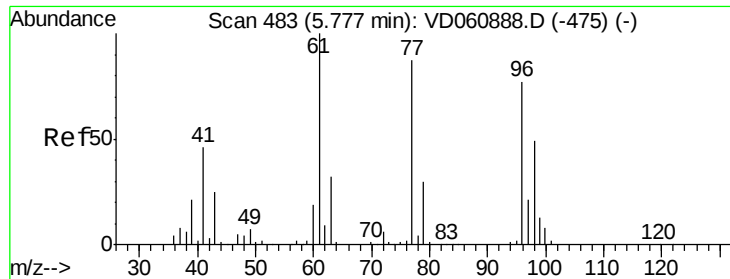
97 21.5 11.6 34.7



Abundance Ion 76.95 (76.65 to 77.65): VDC

Ion 96.85 (96.55 to 97.55): VDC



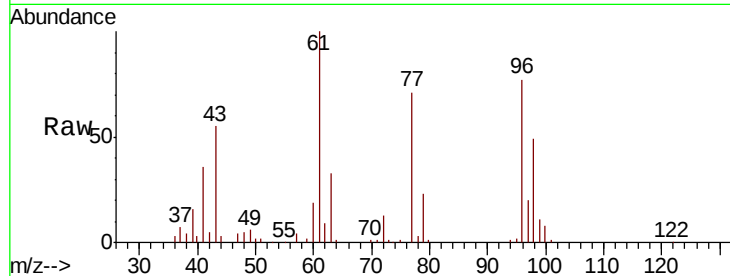


#27

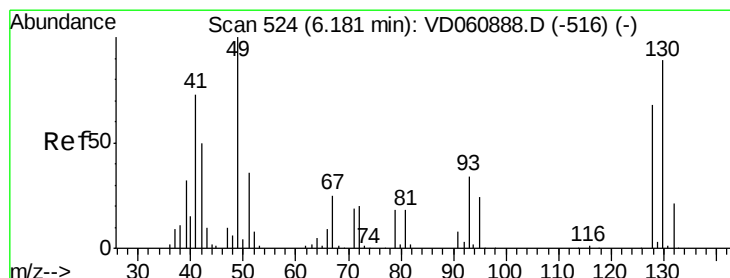
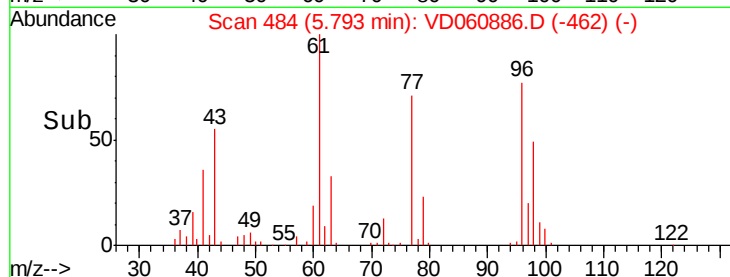
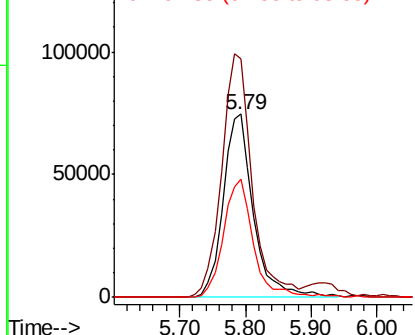
cis-1,2-Dichloroethene
Concen: 11.288 ug/l
RT: 5.79 min Scan# 484
Delta R.T. 0.02 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
96	100		
61	129.9	0.0	259.4
98	64.2	0.0	127.4



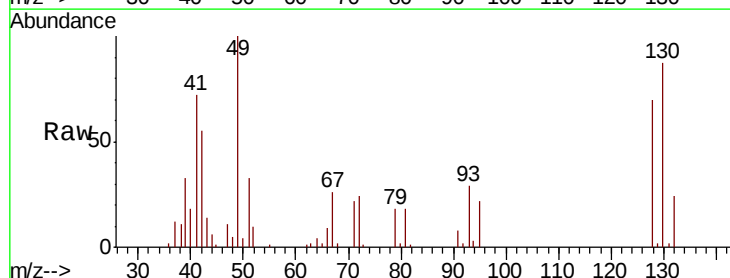
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.95 (60.65 to 61.65): VDC
Ion 97.85 (97.55 to 98.55): VDC



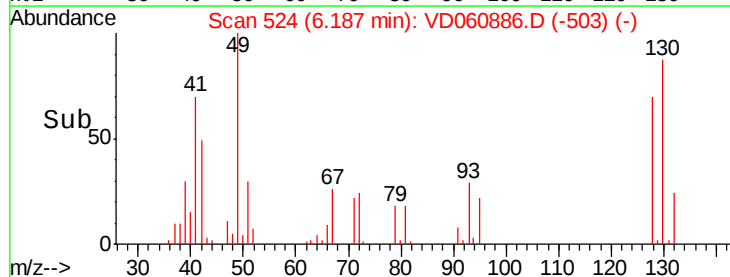
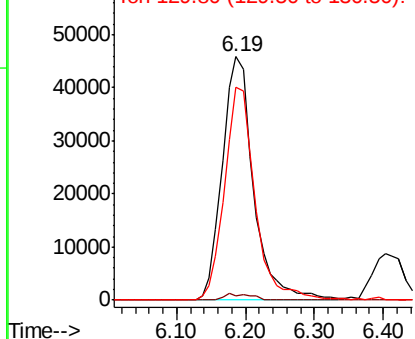
#28

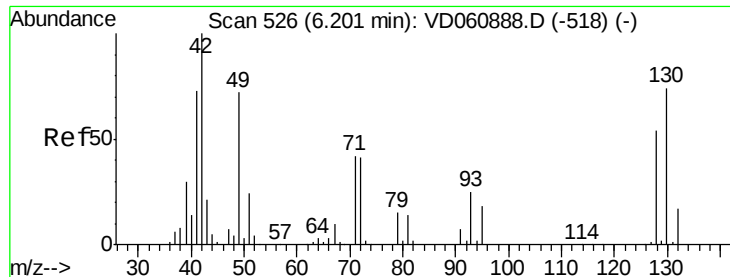
Bromochloromethane
Concen: 8.561 ug/l
RT: 6.19 min Scan# 524
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	5.0
130	87.3	71.4	107.0



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: 48.984 ug/l

RT: 6.21 min Scan# 526

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

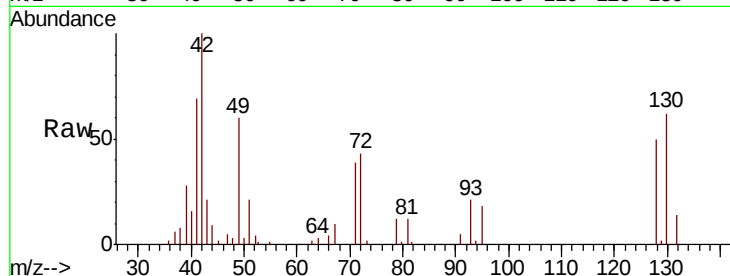
Tgt Ion: 42 Resp: 152613

Ion Ratio Lower Upper

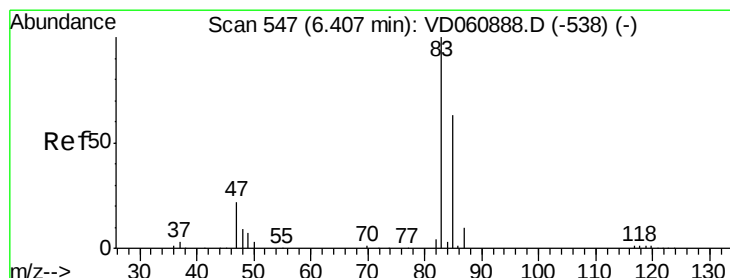
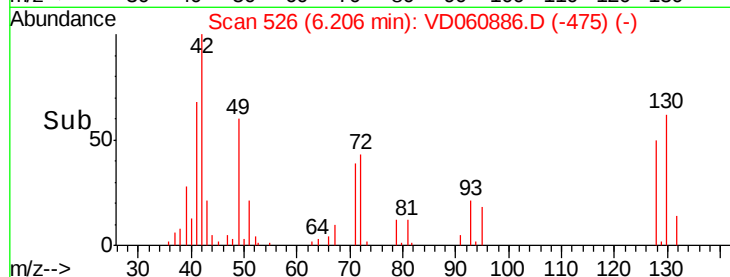
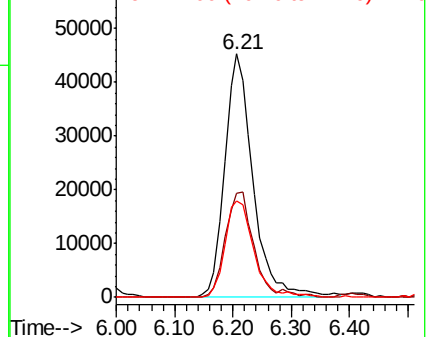
42 100

72 41.8 35.0 52.4

71 40.6 34.2 51.4



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



#30

Chloroform

Concen: 9.288 ug/l

RT: 6.40 min Scan# 546

Delta R.T. -0.00 min

Lab File: VD060886.D

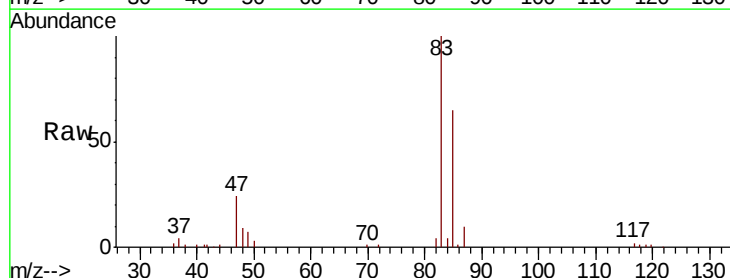
Acq: 21 Feb 2019 17:26

Tgt Ion: 83 Resp: 387347

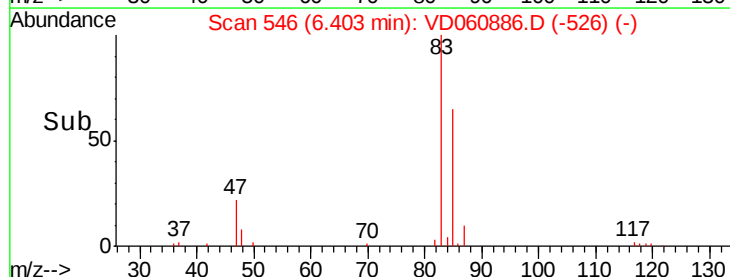
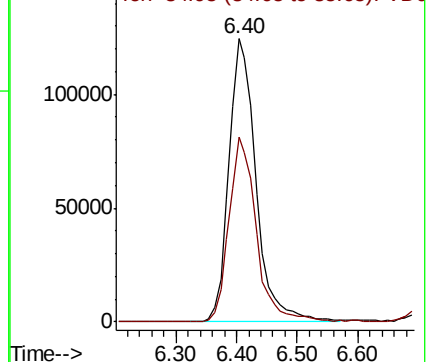
Ion Ratio Lower Upper

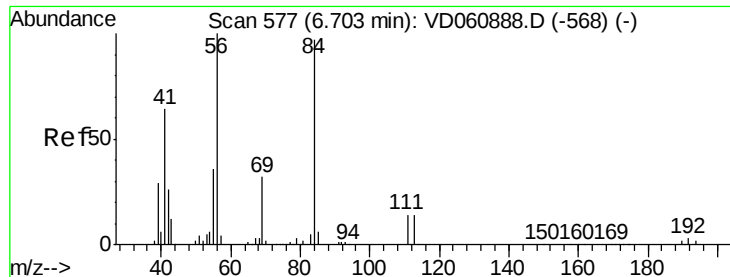
83 100

85 65.5 50.7 76.1



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

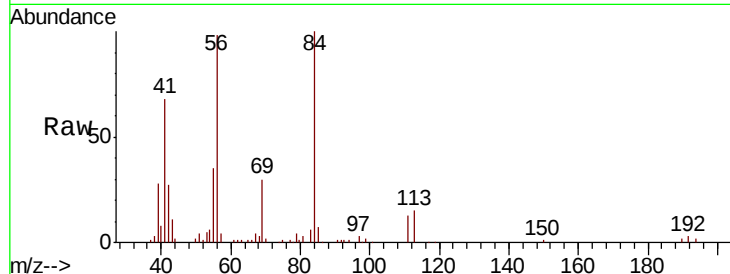




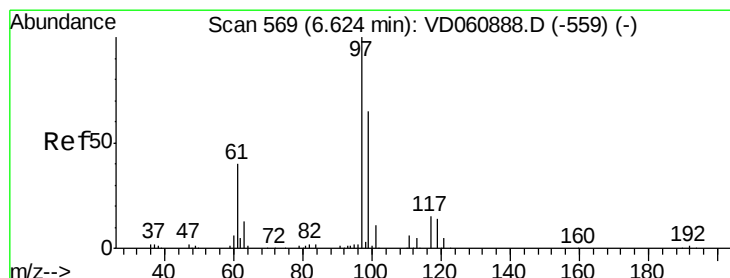
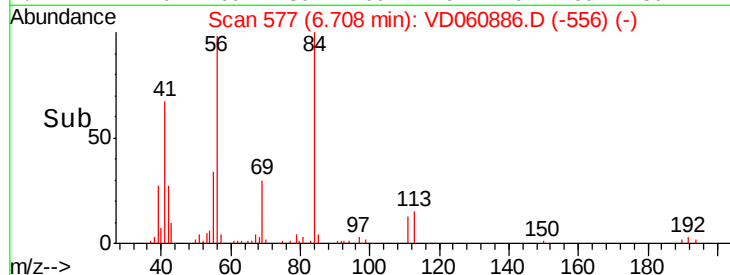
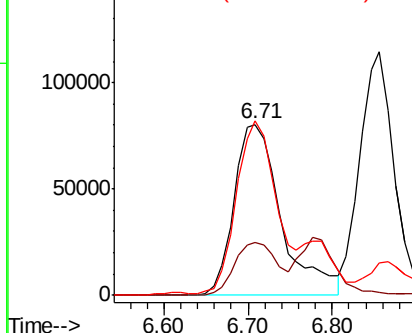
#31
Cyclohexane
Concen: 9.479 ug/l
RT: 6.71 min Scan# 577
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion: 56 Resp: 315374
Ion Ratio Lower Upper
56 100
69 31.1 25.8 38.8
84 102.3 78.9 118.3

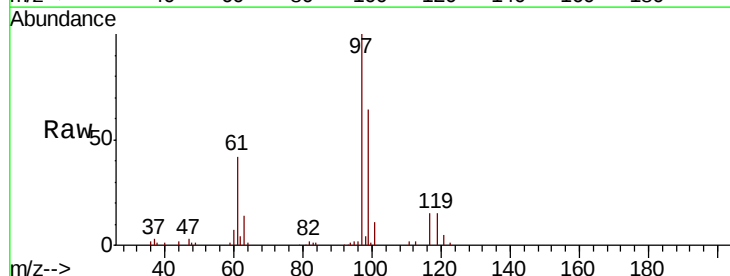


Abundance Ion 55.95 (55.65 to 56.65): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.05 (83.75 to 84.75): VDC

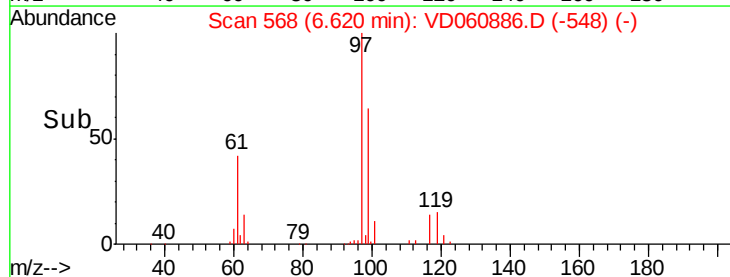
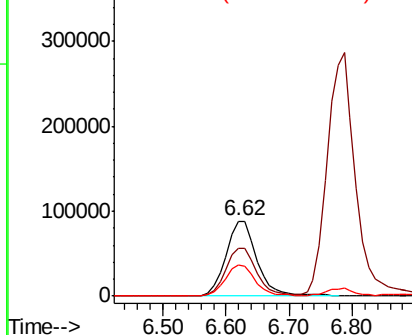


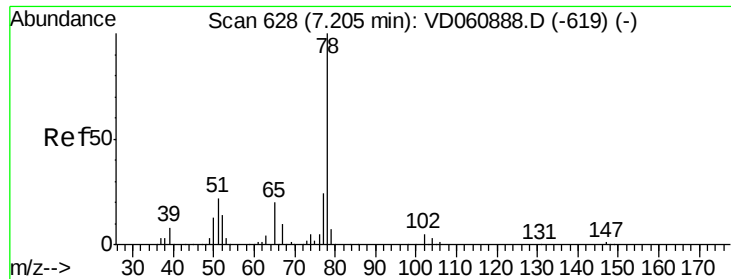
#32
1,1,1-Trichloroethane
Concen: 8.212 ug/l
RT: 6.62 min Scan# 568
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion: 97 Resp: 300338
Ion Ratio Lower Upper
97 100
99 63.9 51.9 77.9
61 41.9 32.0 48.0



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

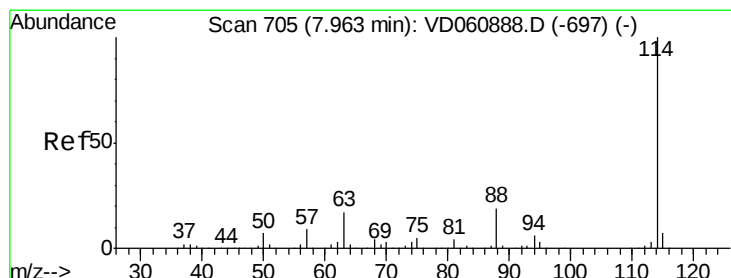
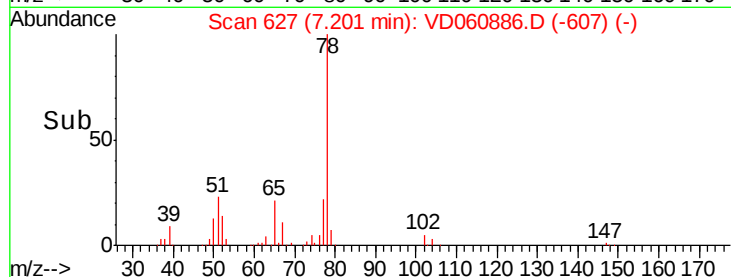
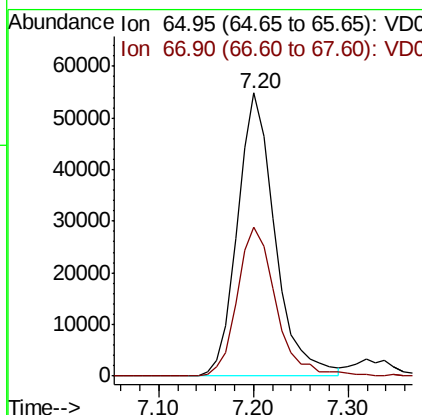
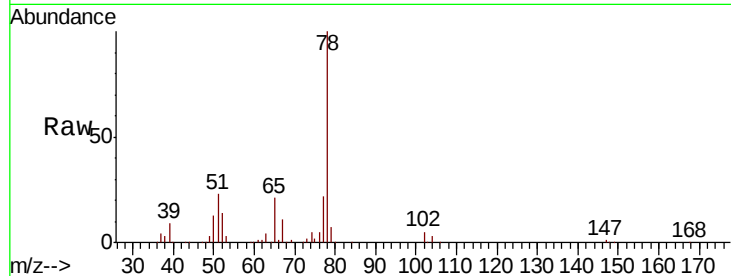




#33
 1,2-Dichloroethane-d4
 Concen: 8.212 ug/l
 RT: 7.20 min Scan# 627
 Delta R.T. -0.00 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

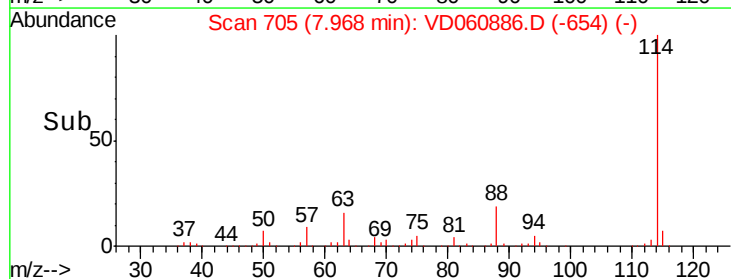
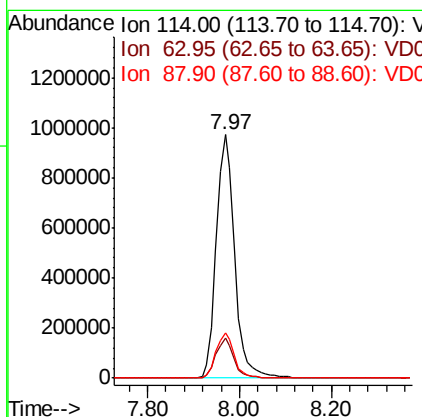
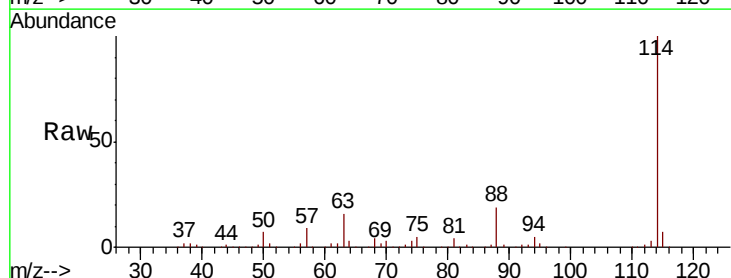
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

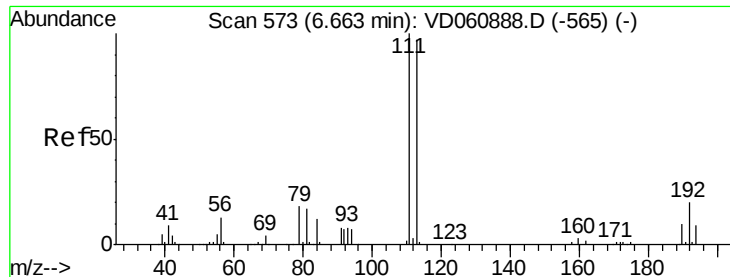
Tgt Ion: 65 Resp: 150643
 Ion Ratio Lower Upper
 65 100
 67 52.7 0.0 106.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 7.97 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion: 114 Resp: 2669331
 Ion Ratio Lower Upper
 114 100
 63 16.4 0.0 33.4
 88 18.6 0.0 37.2

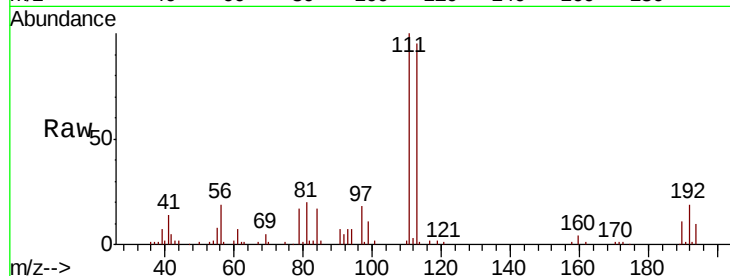




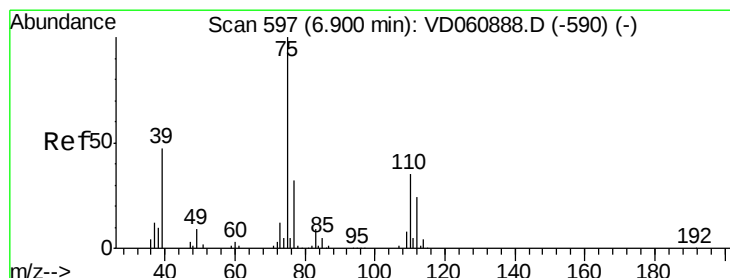
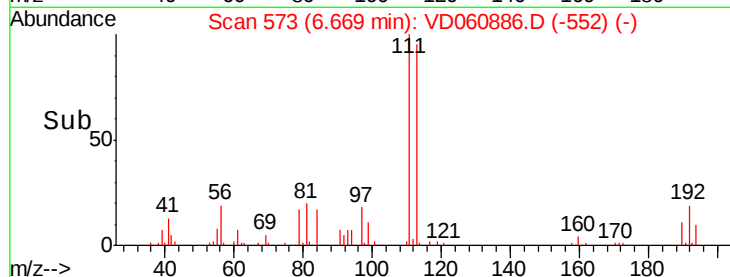
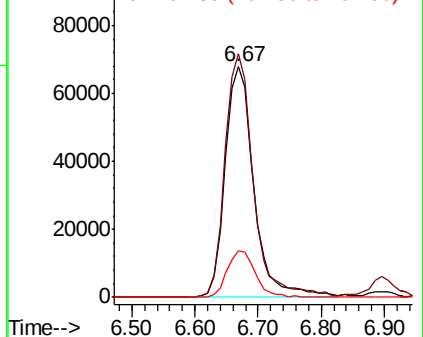
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 6.67 min Scan# 573
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.6	123.8
192	20.0	16.6	24.8

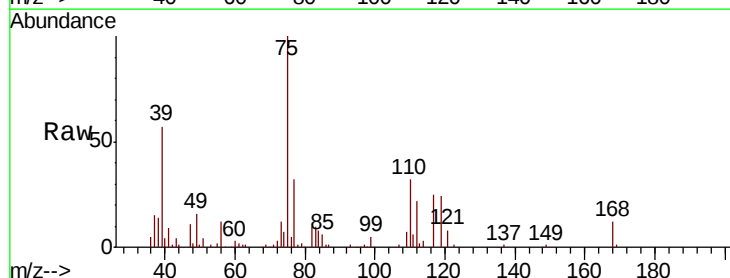


Abundance Ion 112.90 (112.60 to 113.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 191.80 (191.50 to 192.50): V

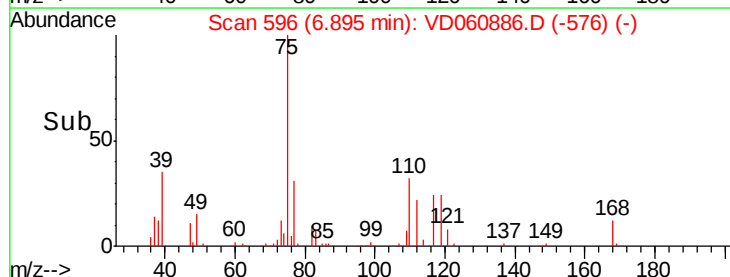
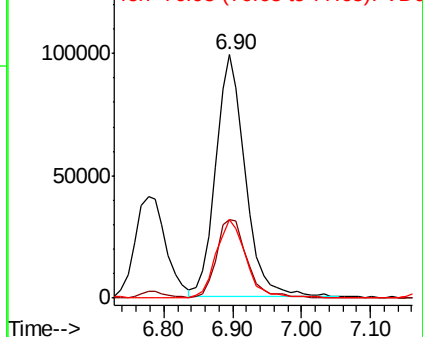


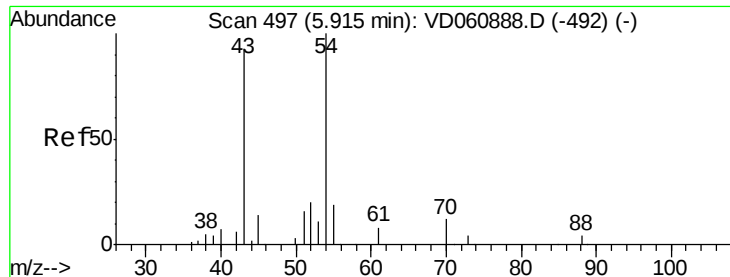
#36
 1,1-Dichloropropene
 Concen: 8.965 ug/l
 RT: 6.90 min Scan# 596
 Delta R.T. -0.00 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.3	17.5	52.5
77	32.2	25.6	38.4



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





#37

Ethyl Acetate

Concen: 7.216 ug/l

RT: 5.91 min Scan# 496

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

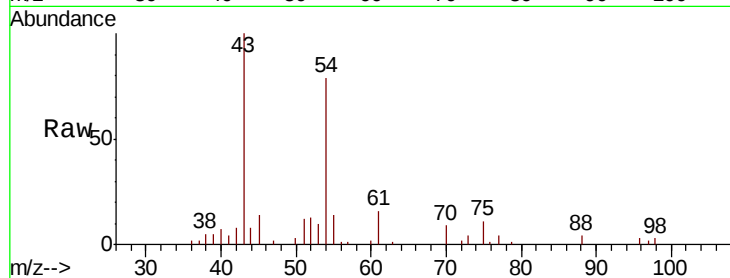
Tgt Ion: 43 Resp: 120468

Ion Ratio Lower Upper

43 100

61 15.7 12.9 19.3

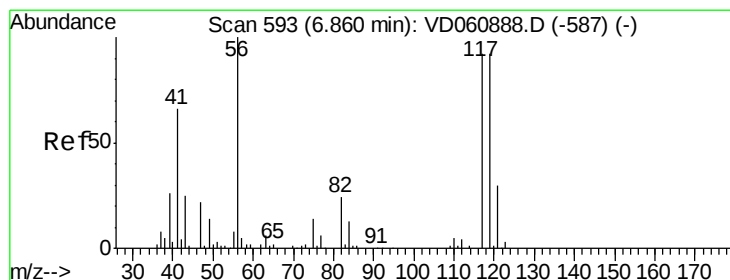
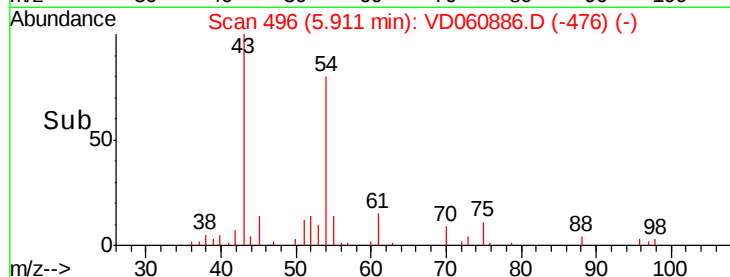
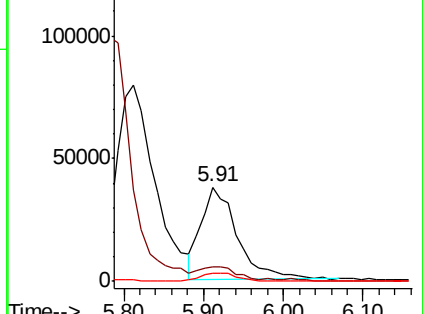
70 8.6 8.1 12.1



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 60.95 (60.65 to 61.65): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 7.946 ug/l

RT: 6.87 min Scan# 593

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

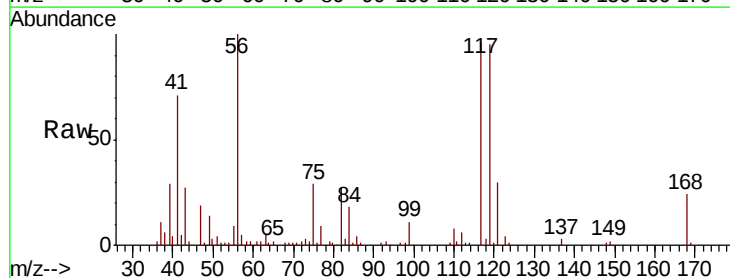
Tgt Ion: 117 Resp: 264233

Ion Ratio Lower Upper

117 100

119 99.1 75.7 113.5

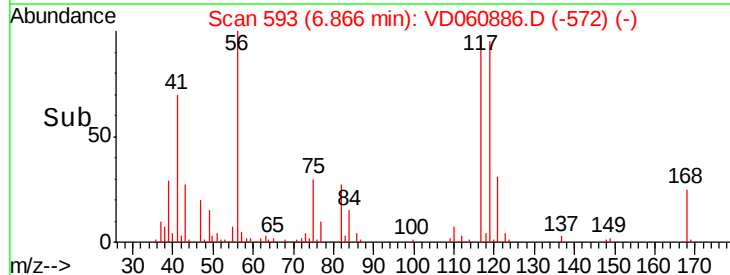
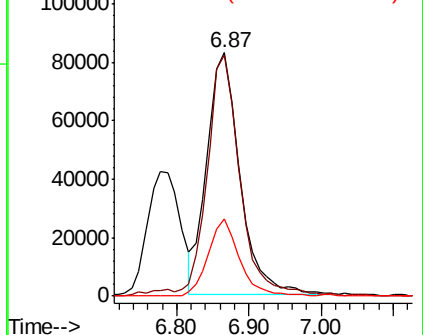
121 31.8 24.9 37.3

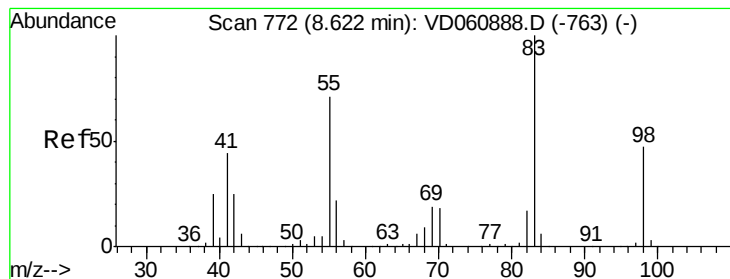


Abundance Ion 116.85 (116.55 to 117.55): V

Ion 118.85 (118.55 to 119.55): V

Ion 120.85 (120.55 to 121.55): V





#39

Methylcyclohexane

Concen: 10.612 ug/l

RT: 8.63 min Scan# 772

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

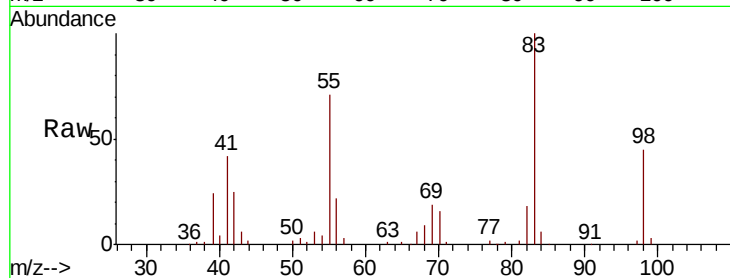
Tgt Ion: 83 Resp: 335502

Ion Ratio Lower Upper

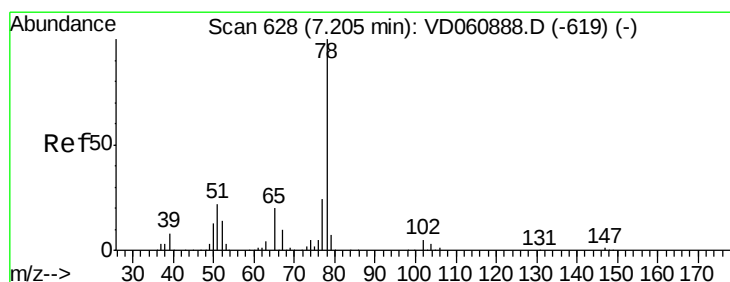
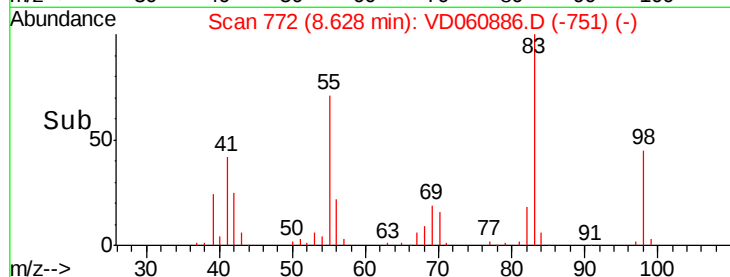
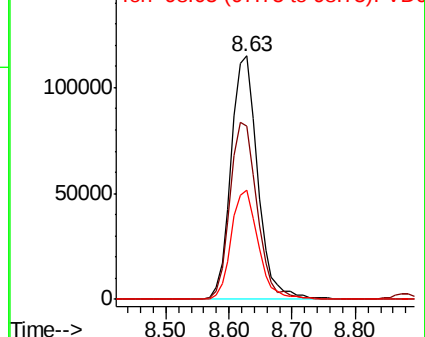
83 100

55 71.2 57.1 85.7

98 45.1 37.5 56.3



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



#40

Benzene

Concen: 11.014 ug/l

RT: 7.21 min Scan# 628

Delta R.T. 0.01 min

Lab File: VD060886.D

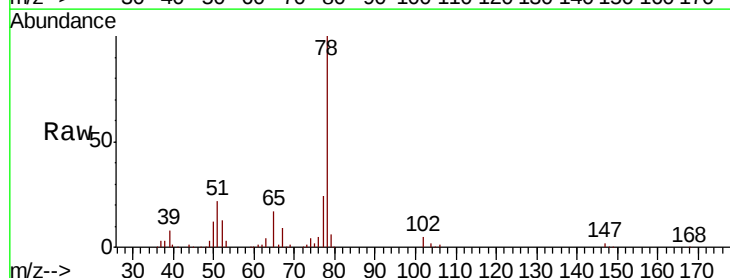
Acq: 21 Feb 2019 17:26

Tgt Ion: 78 Resp: 810239

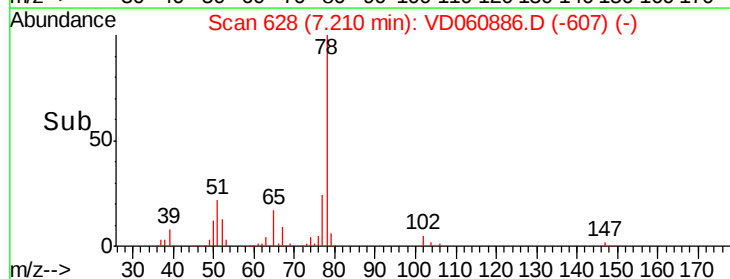
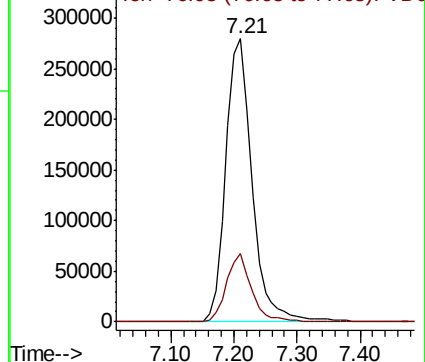
Ion Ratio Lower Upper

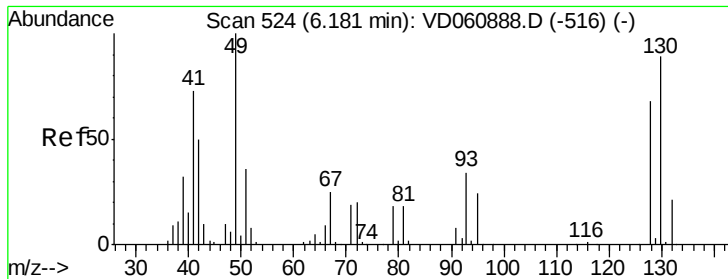
78 100

77 24.1 19.1 28.7



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





#41

Methacrylonitrile

Concen: 14.285 ug/l

RT: 6.20 min Scan# 525

Delta R.T. 0.02 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

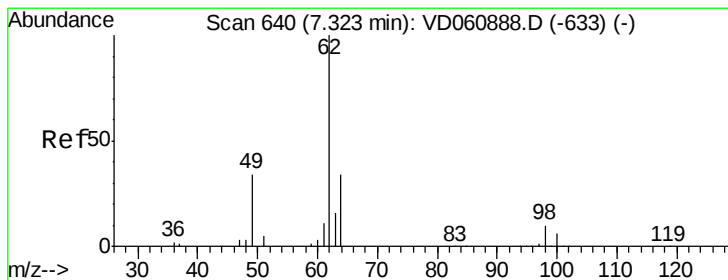
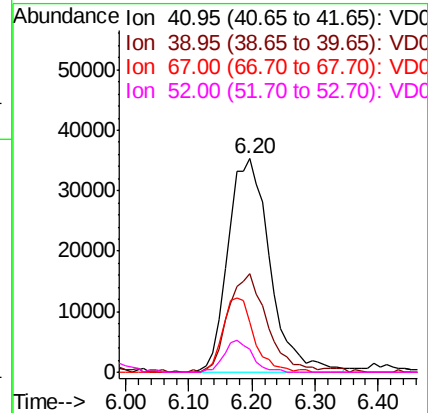
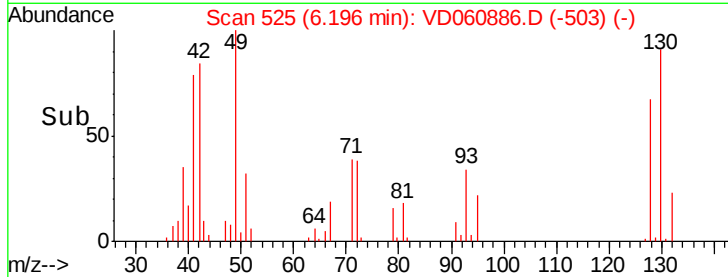
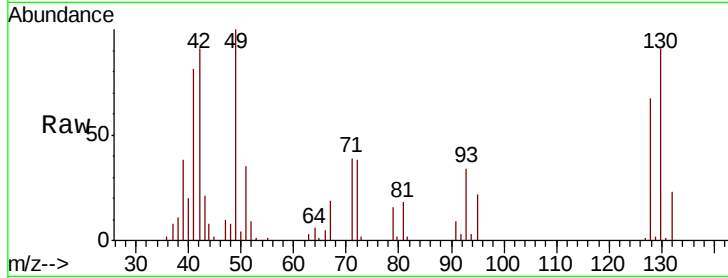
MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 41 Resp: 162700

Ion	Ratio	Lower	Upper
41	100		
39	46.2	35.1	52.7
67	23.5	28.0	42.0
52	10.7	9.2	13.8



#42

1,2-Dichloroethane

Concen: 7.126 ug/l

RT: 7.33 min Scan# 640

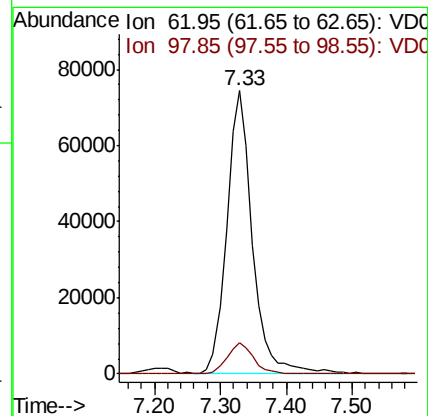
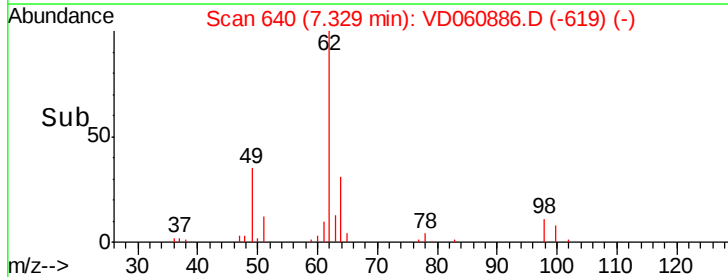
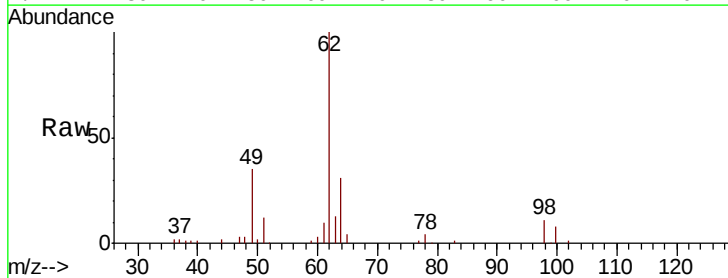
Delta R.T. 0.01 min

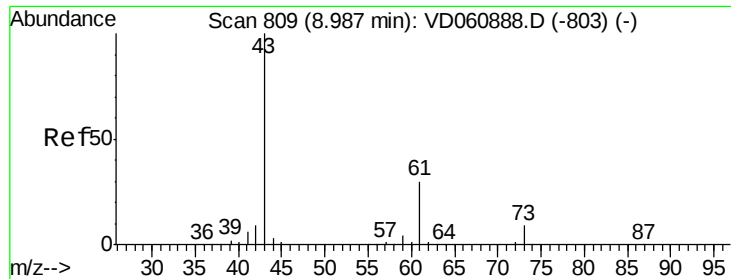
Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Tgt Ion: 62 Resp: 201437

Ion	Ratio	Lower	Upper
62	100		
98	11.2	0.0	19.4





#43

Isopropyl Acetate

Concen: 8.866 ug/l

RT: 8.99 min Scan# 809

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

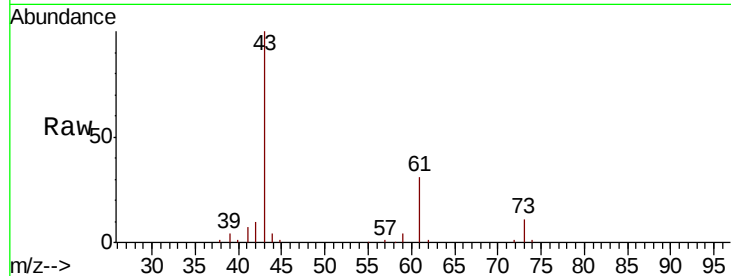
Tgt Ion: 43 Resp: 188033

Ion Ratio Lower Upper

43 100

61 30.7 23.9 35.9

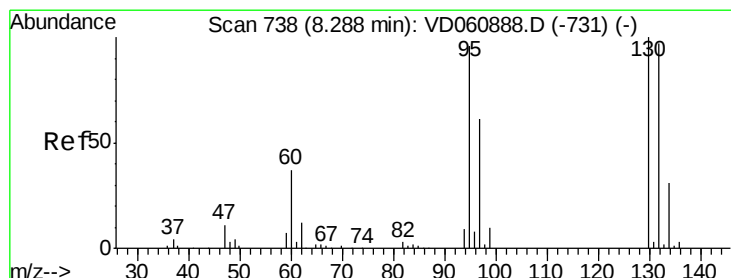
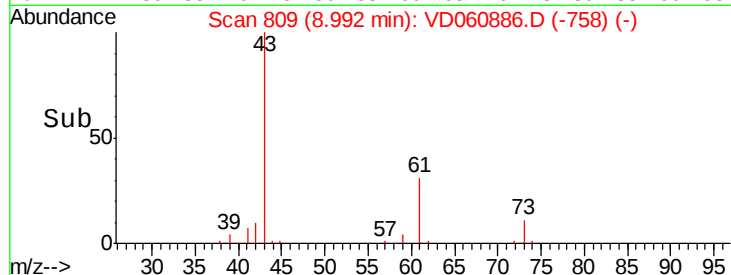
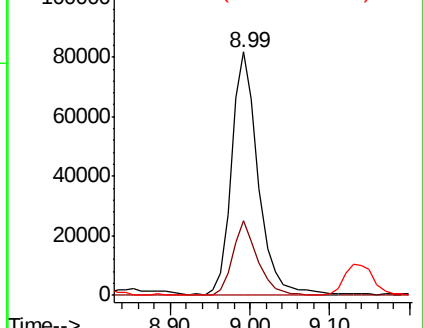
87 0.0 0.2 0.4#



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: 11.041 ug/l

RT: 8.29 min Scan# 738

Delta R.T. 0.01 min

Lab File: VD060886.D

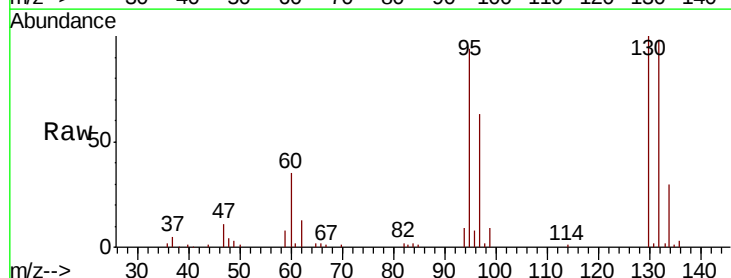
Acq: 21 Feb 2019 17:26

Tgt Ion:130 Resp: 241950

Ion Ratio Lower Upper

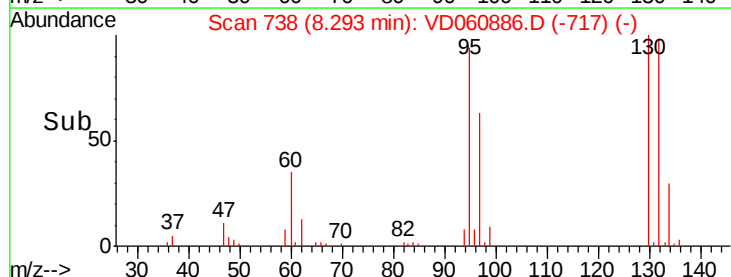
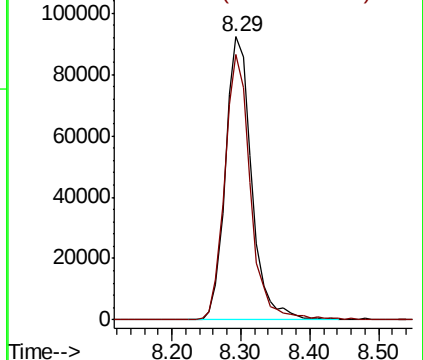
130 100

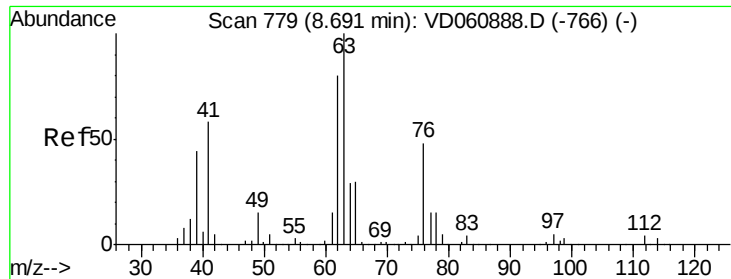
95 93.6 0.0 191.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 9.244 ug/l

RT: 8.70 min Scan# 779

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

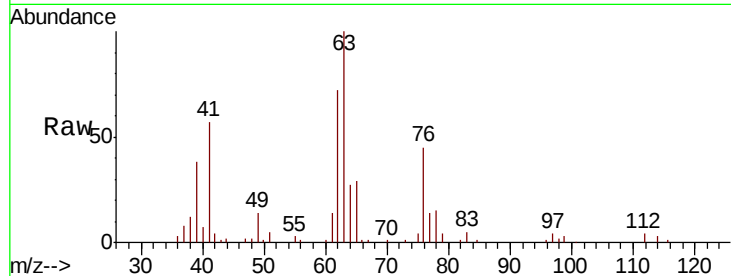
VSTDIC010

Tgt Ion: 63 Resp: 181561

Ion Ratio Lower Upper

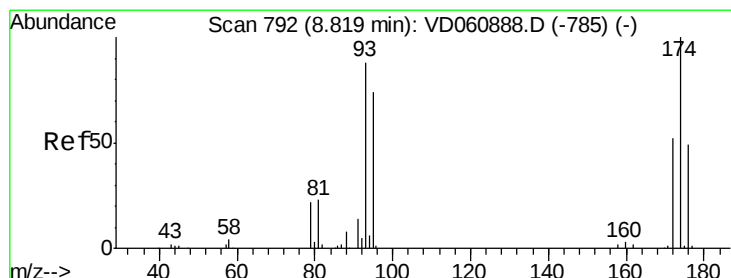
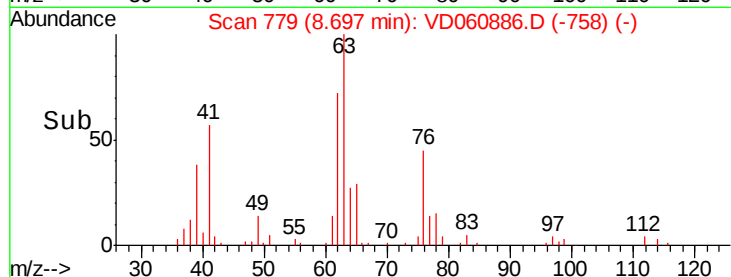
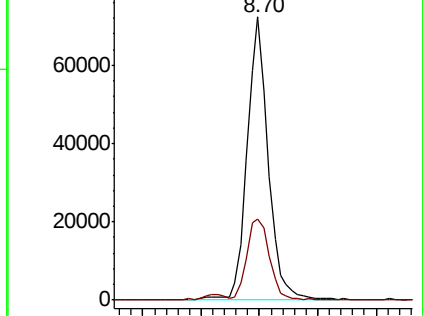
63 100

65 28.7 24.1 36.1



Abundance Ion 62.95 (62.65 to 63.65): VDC

Ion 64.95 (64.65 to 65.65): VDC



#46

Dibromomethane

Concen: 9.523 ug/l

RT: 8.82 min Scan# 792

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

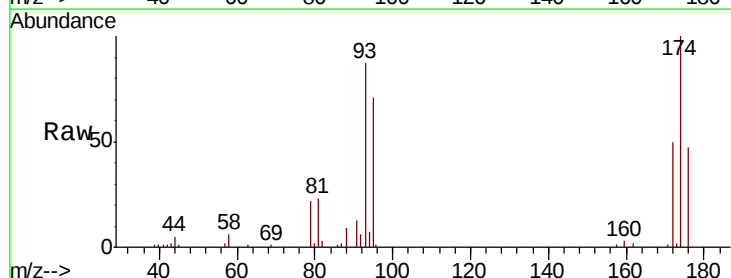
Tgt Ion: 93 Resp: 119940

Ion Ratio Lower Upper

93 100

95 81.6 67.2 100.8

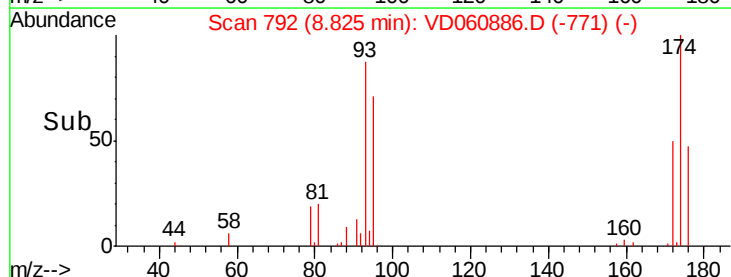
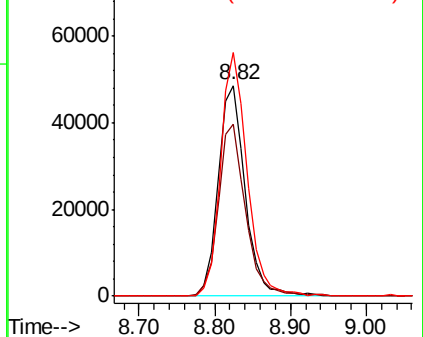
174 115.5 91.1 136.7

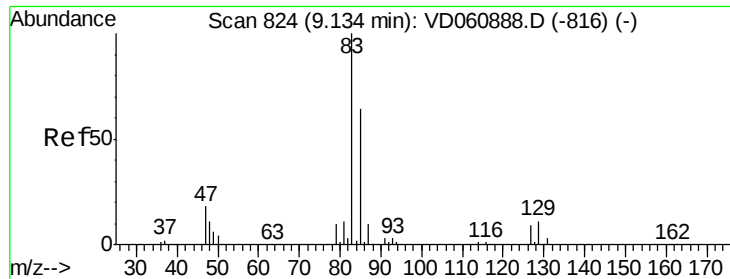


Abundance Ion 92.90 (92.60 to 93.60): VDC

Ion 94.90 (94.60 to 95.60): VDC

Ion 173.80 (173.50 to 174.50): V





#47

Bromodichloromethane

Concen: 8.844 ug/l

RT: 9.13 min Scan# 823

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

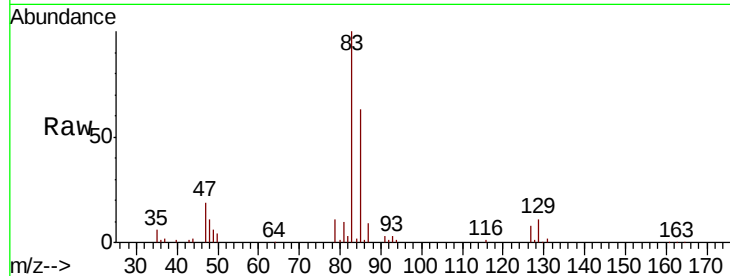
Tgt Ion: 83 Resp: 278727

Ion Ratio Lower Upper

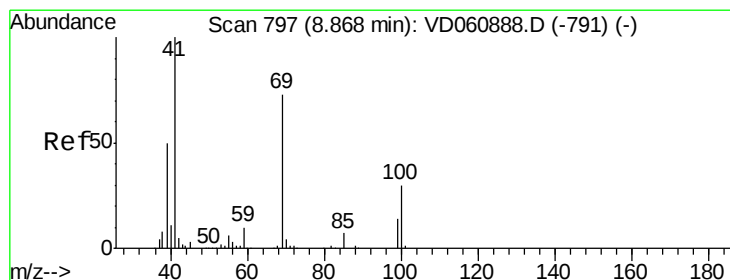
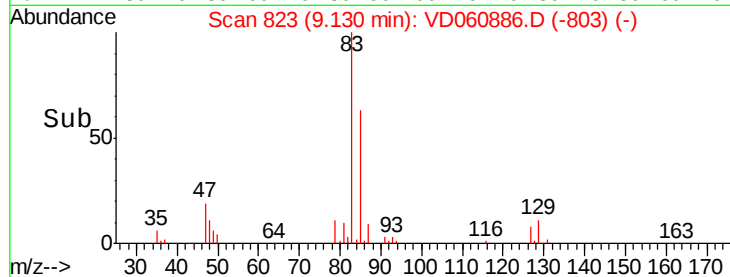
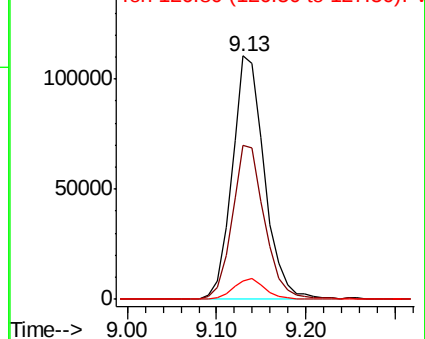
83 100

85 63.1 51.3 76.9

127 7.6 6.9 10.3



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: 7.268 ug/l

RT: 8.87 min Scan# 797

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

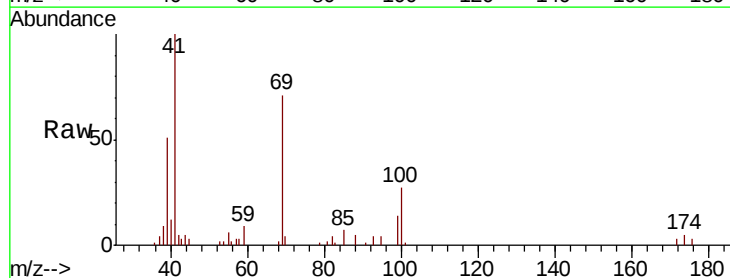
Tgt Ion: 41 Resp: 103874

Ion Ratio Lower Upper

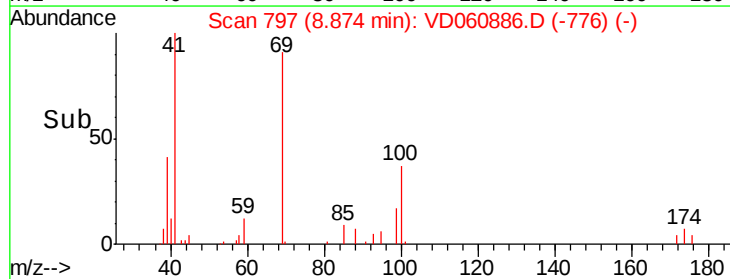
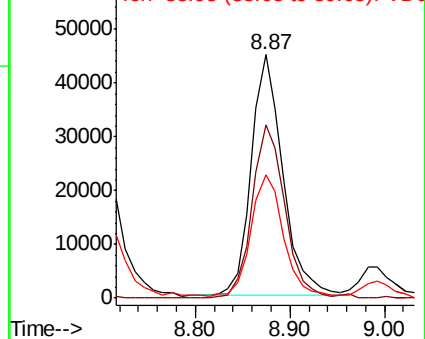
41 100

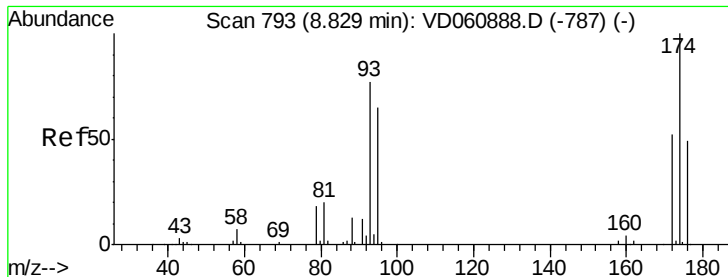
69 71.2 57.8 86.6

39 50.6 40.0 60.0



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

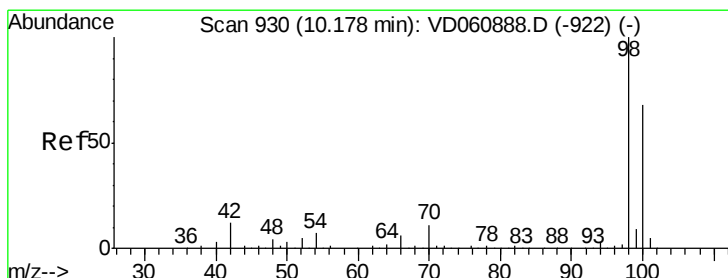
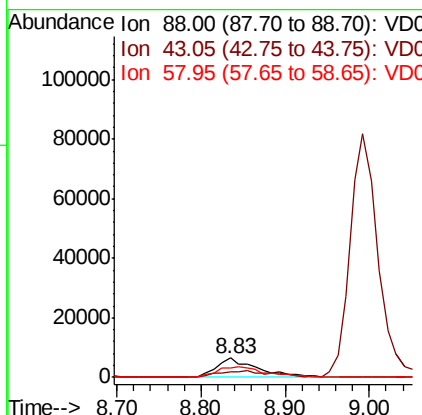
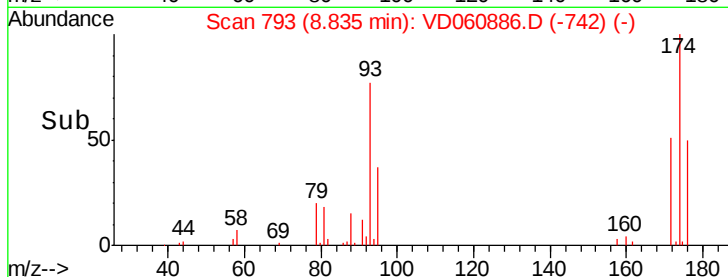
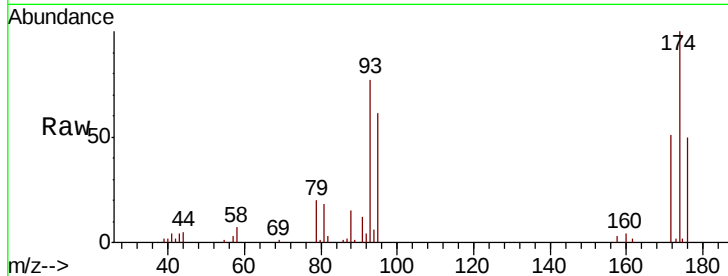




#49
1,4-Dioxane
Concen: 210.874 ug/l
RT: 8.83 min Scan# 793
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

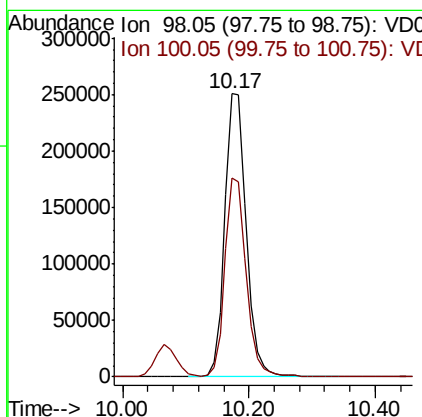
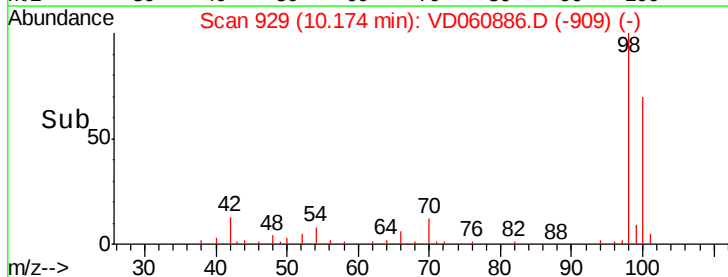
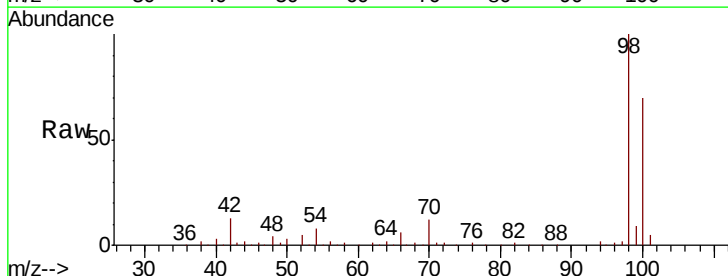
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

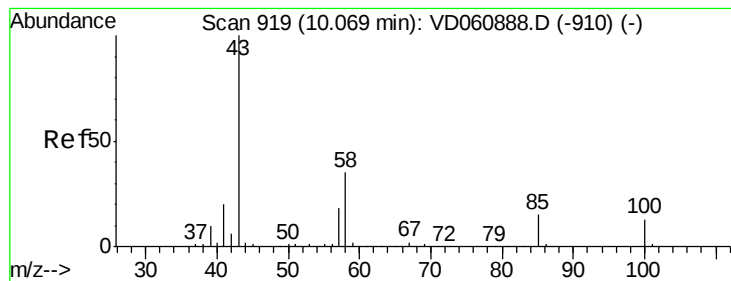
Tgt Ion: 88 Resp: 22349
Ion Ratio Lower Upper
88 100
43 26.3 21.6 32.4
58 49.2 43.0 64.6



#50
Toluene-d8
Concen: 210.874 ug/l
RT: 10.17 min Scan# 929
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion: 98 Resp: 590553
Ion Ratio Lower Upper
98 100
100 70.2 55.7 83.5





#51

4-Methyl-2-Pentanone

Concen: 41.360 ug/l

RT: 10.07 min Scan# 918

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

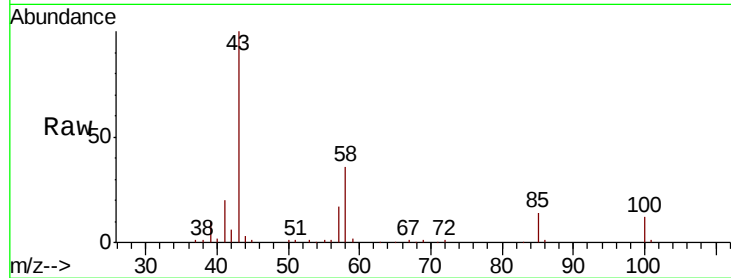
VSTDIC010

Tgt Ion: 43 Resp: 565080

Ion Ratio Lower Upper

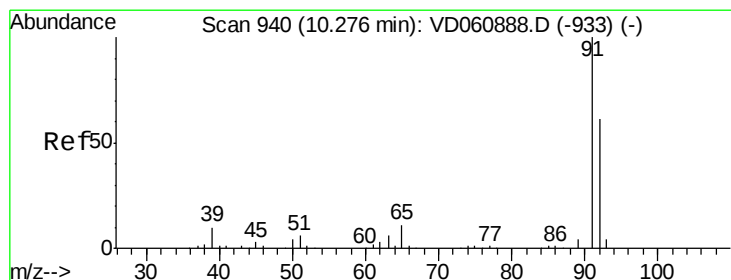
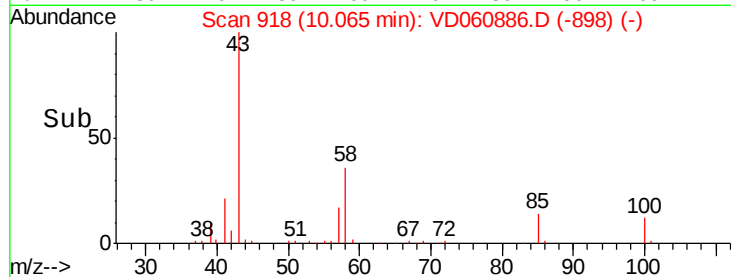
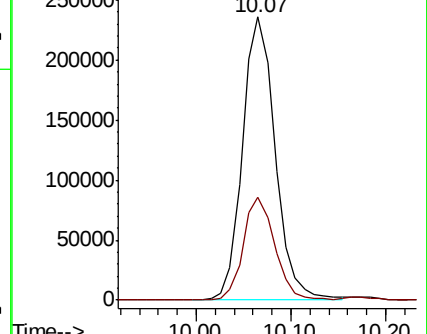
43 100

58 36.2 28.3 42.5



Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 57.95 (57.65 to 58.65): VDC



#52

Toluene

Concen: 11.071 ug/l

RT: 10.28 min Scan# 940

Delta R.T. 0.01 min

Lab File: VD060886.D

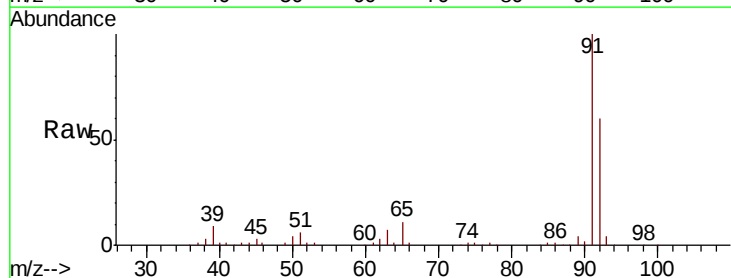
Acq: 21 Feb 2019 17:26

Tgt Ion: 92 Resp: 468802

Ion Ratio Lower Upper

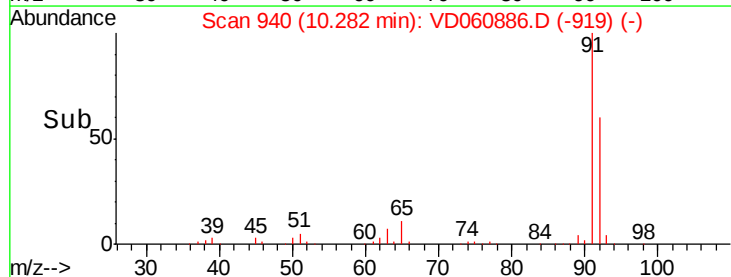
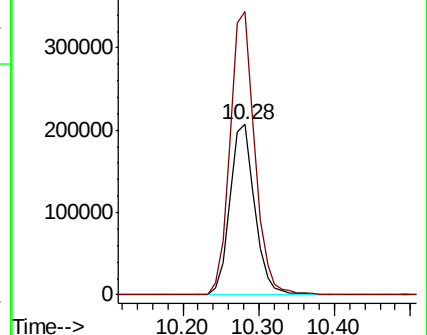
92 100

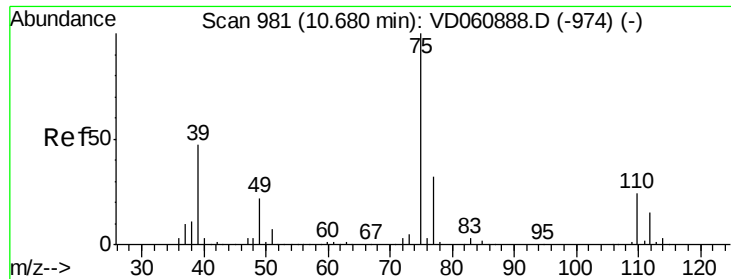
91 166.0 130.9 196.3



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC





#53

t-1,3-Dichloropropene

Concen: 9.352 ug/l

RT: 10.69 min Scan# 981

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

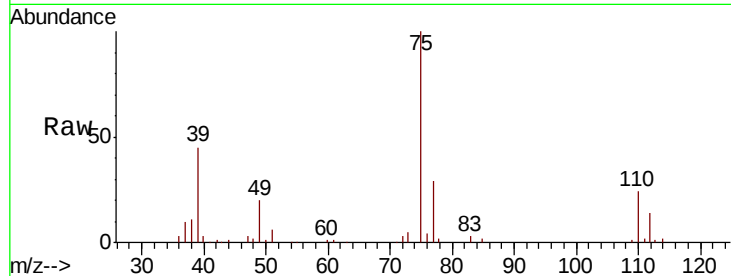
VSTDIC010

Tgt Ion: 75 Resp: 263778

Ion Ratio Lower Upper

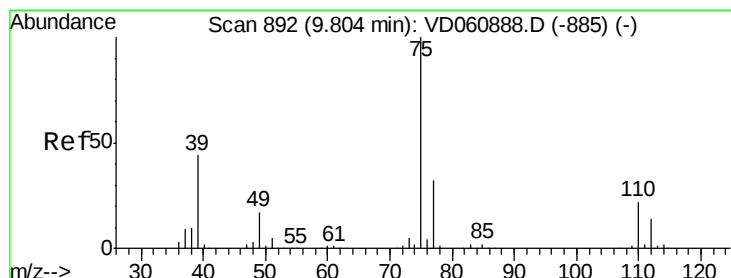
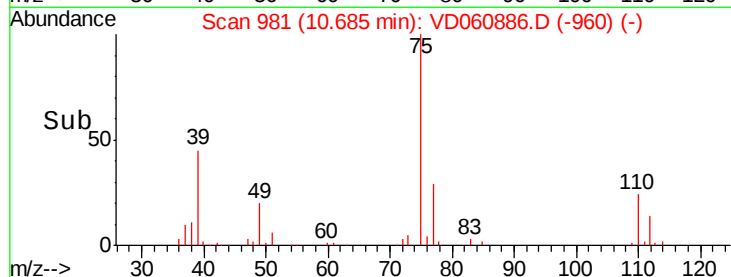
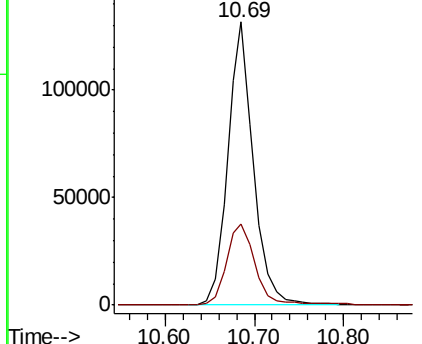
75 100

77 28.8 25.5 38.3



Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC



#54

cis-1,3-Dichloropropene

Concen: 9.909 ug/l

RT: 9.80 min Scan# 891

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

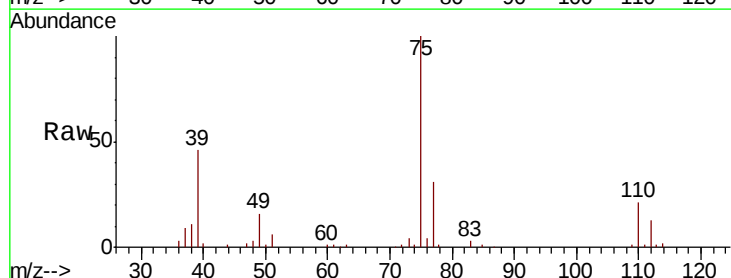
Tgt Ion: 75 Resp: 320591

Ion Ratio Lower Upper

75 100

77 30.7 25.3 37.9

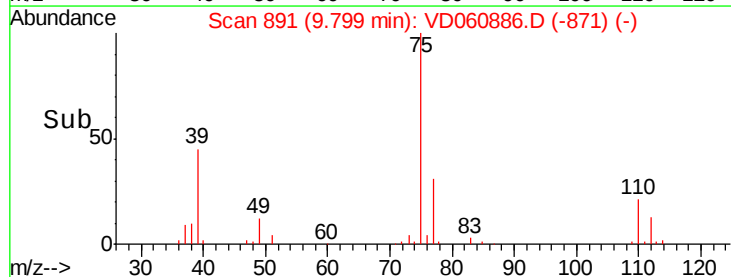
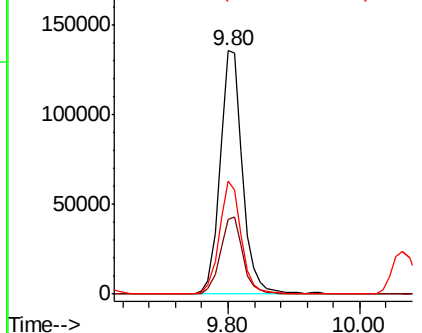
39 46.3 35.4 53.2

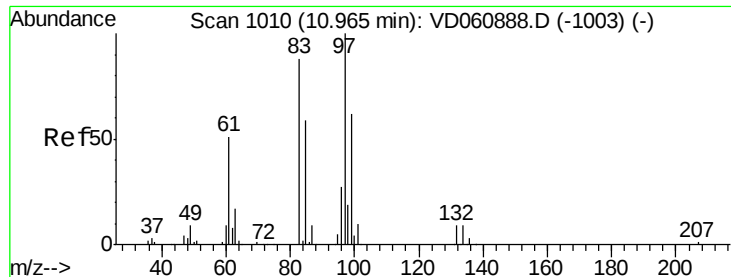


Abundance Ion 75.00 (74.70 to 75.70): VDC

Ion 76.95 (76.65 to 77.65): VDC

Ion 38.95 (38.65 to 39.65): VDC





#55

1,1,2-Trichloroethane

Concen: 11.232 ug/l

RT: 10.96 min Scan# 1009

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 141279

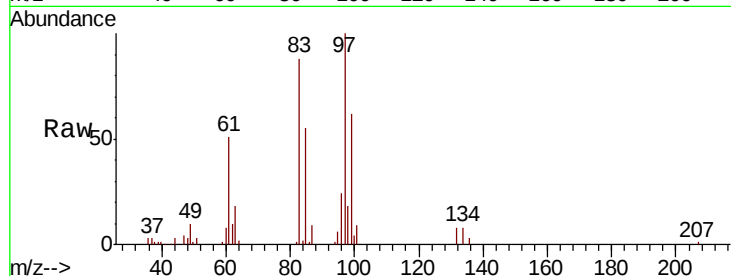
Ion Ratio Lower Upper

97 100

83 88.4 70.8 106.2

85 55.2 47.6 71.4

99 61.7 49.6 74.4

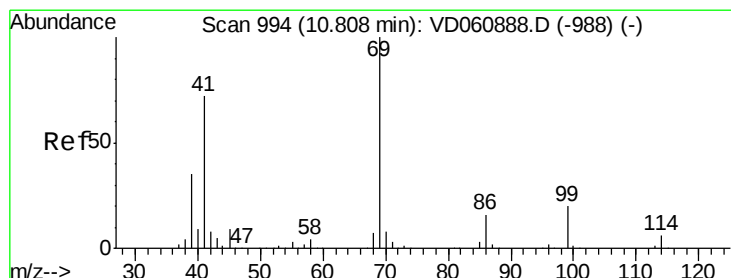
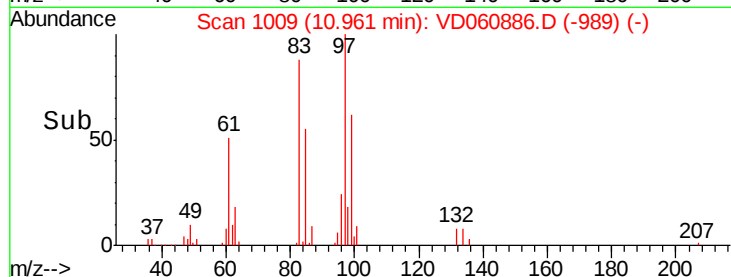
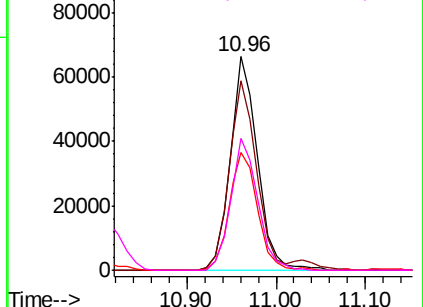


Abundance Ion 96.85 (96.55 to 97.55): VDC

Ion 82.95 (82.65 to 83.65): VDC

Ion 84.95 (84.65 to 85.65): VDC

Ion 98.85 (98.55 to 99.55): VDC



#56

Ethyl methacrylate

Concen: 9.978 ug/l

RT: 10.81 min Scan# 994

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

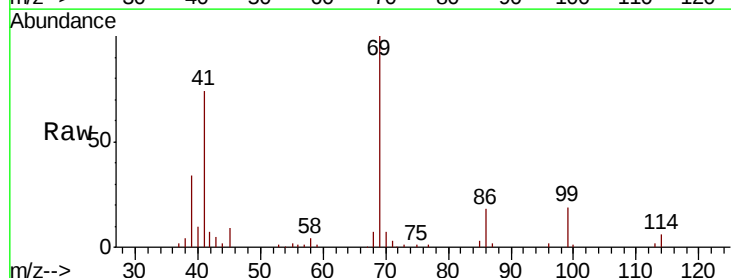
Tgt Ion: 69 Resp: 160490

Ion Ratio Lower Upper

69 100

41 74.1 57.8 86.8

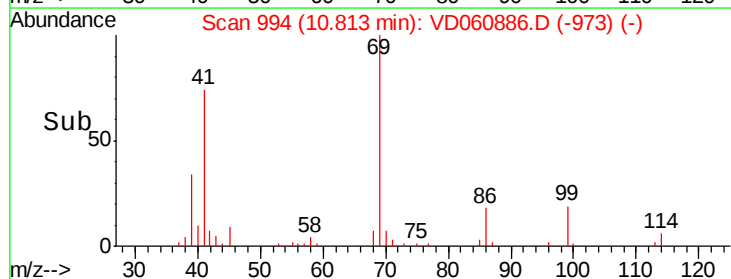
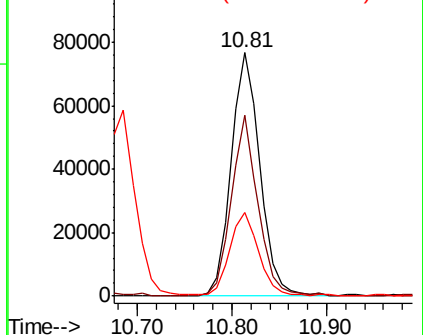
39 34.4 28.6 43.0

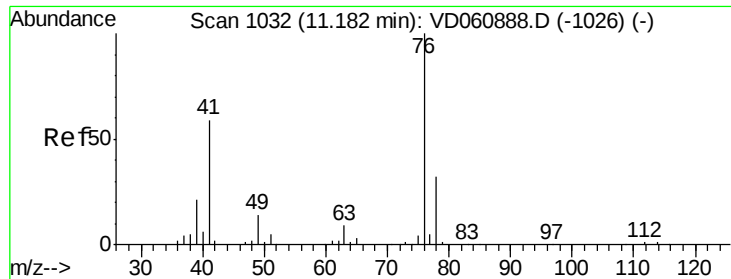


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.05 (40.75 to 41.75): VDC

Ion 38.95 (38.65 to 39.65): VDC

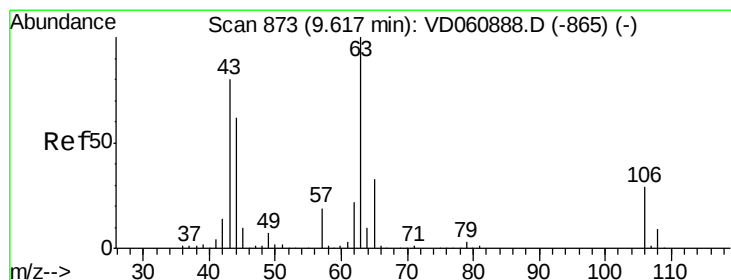
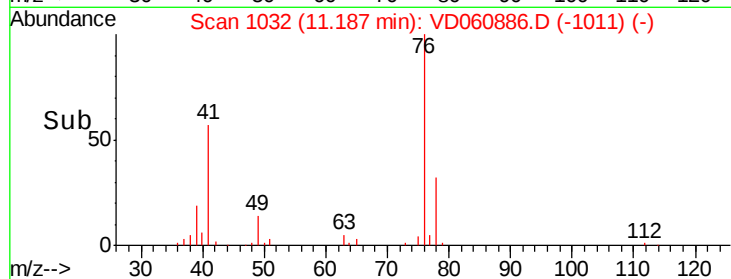
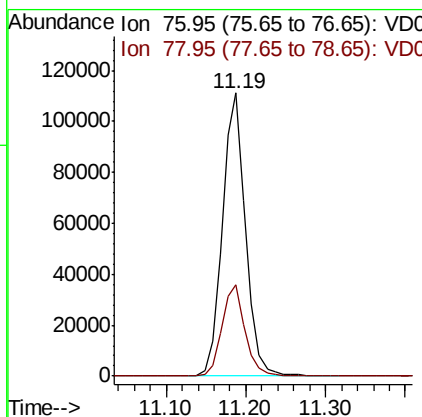
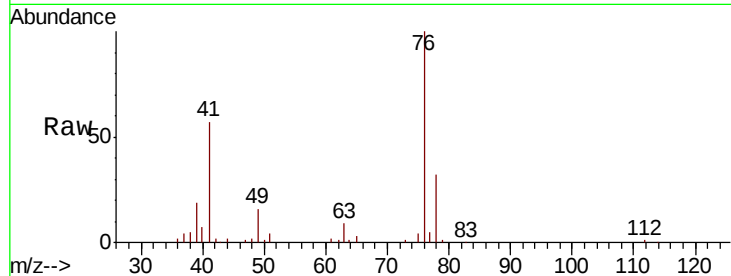




#57
 1,3-Dichloropropane
 Concen: 9.827 ug/l
 RT: 11.19 min Scan# 1032
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

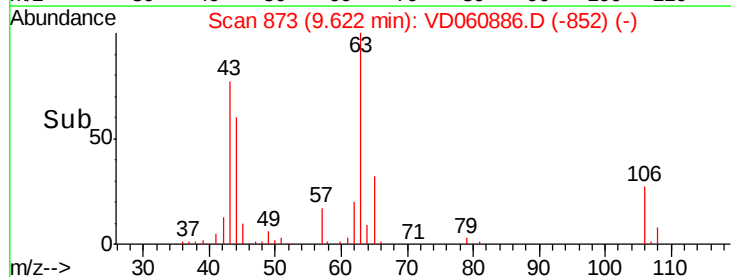
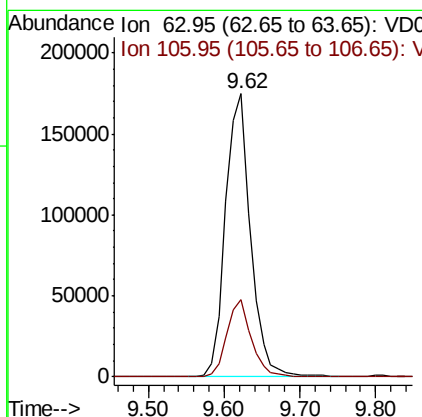
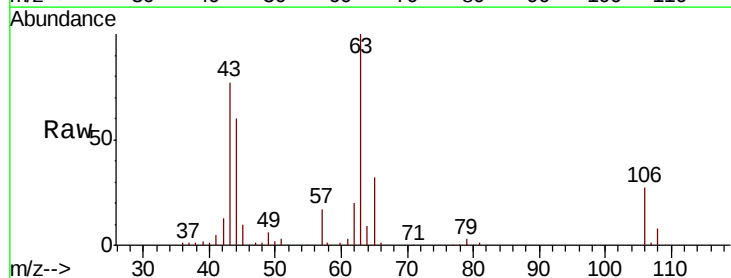
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

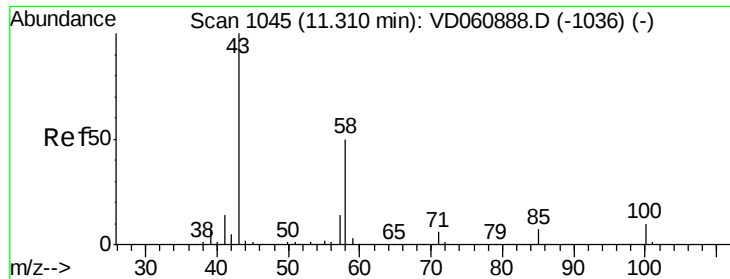
Tgt Ion: 76 Resp: 225996
 Ion Ratio Lower Upper
 76 100
 78 32.4 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 49.323 ug/l
 RT: 9.62 min Scan# 873
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion: 63 Resp: 400123
 Ion Ratio Lower Upper
 63 100
 106 27.3 23.5 35.3

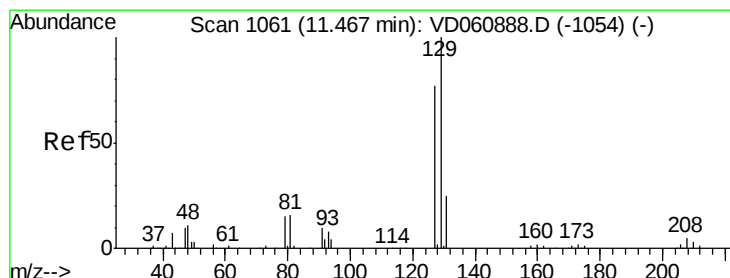
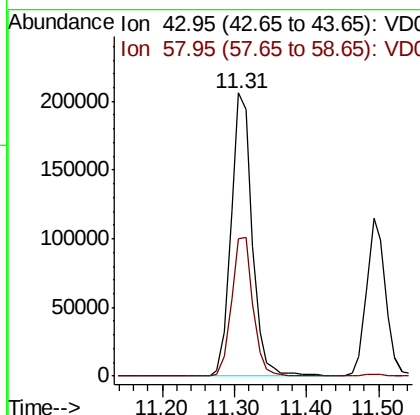
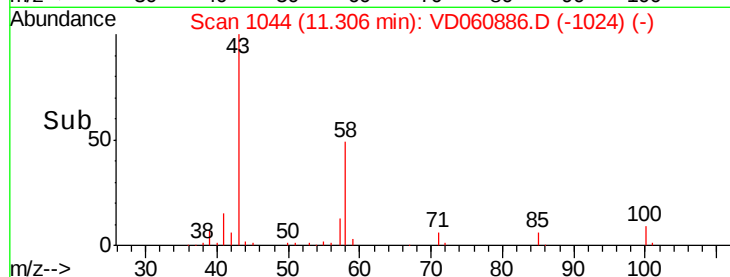
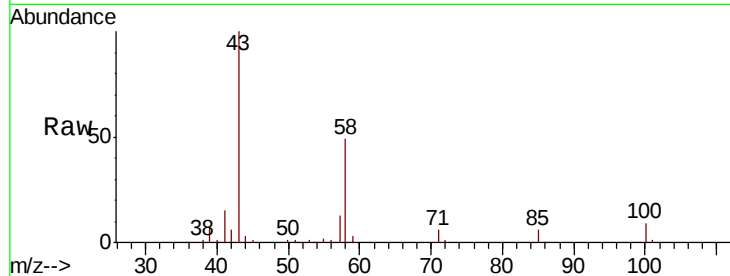




#59
2-Hexanone
Concen: 41.755 ug/l
RT: 11.31 min Scan# 1044
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

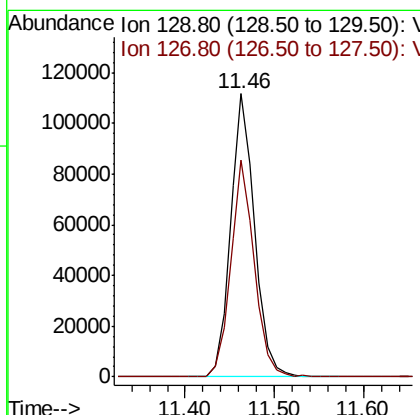
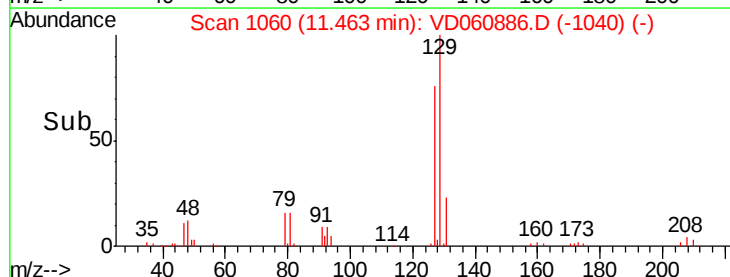
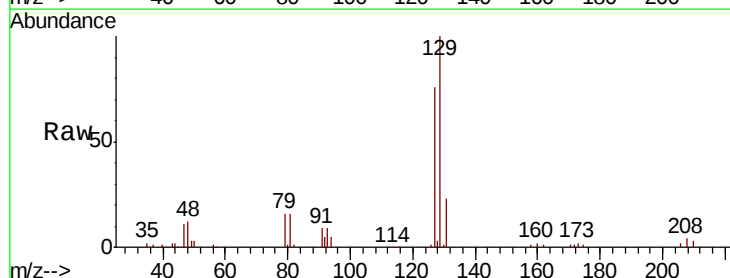
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

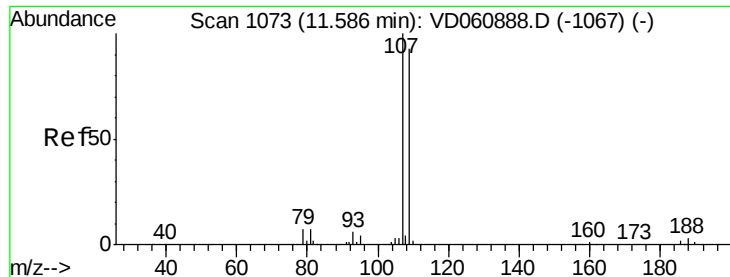
Tgt Ion: 43 Resp: 420196
Ion Ratio Lower Upper
43 100
58 48.8 25.1 75.3



#60
Dibromochloromethane
Concen: 10.377 ug/l
RT: 11.46 min Scan# 1060
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion: 129 Resp: 210311
Ion Ratio Lower Upper
129 100
127 76.5 38.4 115.2





#61

1,2-Dibromoethane

Concen: 10.352 ug/l

RT: 11.59 min Scan# 1073

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

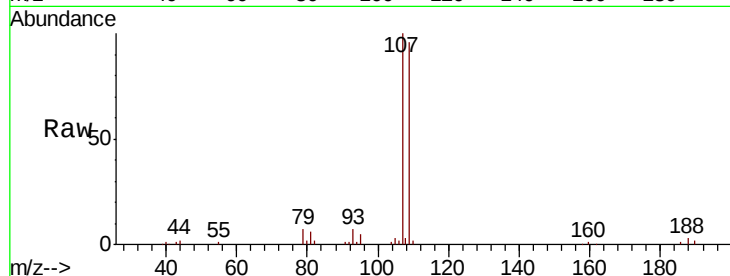
VSTDIC010

Tgt Ion: 107 Resp: 154292

Ion Ratio Lower Upper

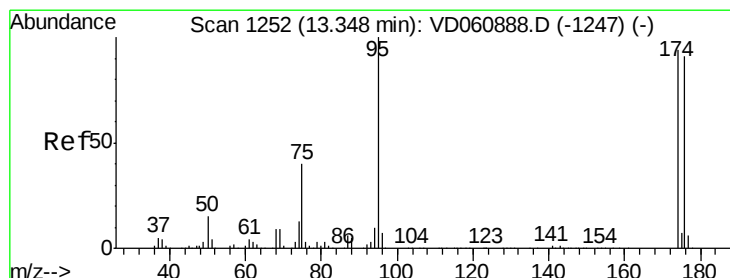
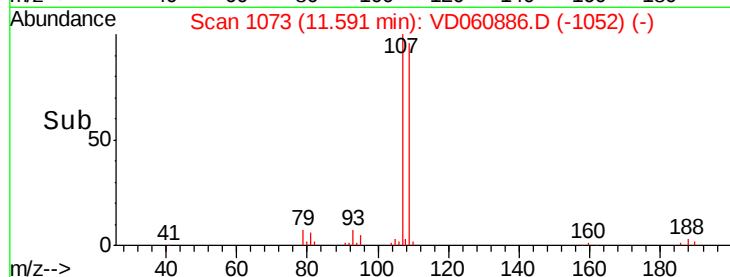
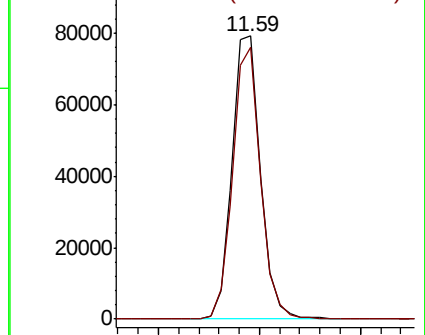
107 100

109 96.1 74.1 111.1



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.90 (108.60 to 109.60): V



#62

4-Bromofluorobenzene

Concen: 10.352 ug/l

RT: 13.35 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

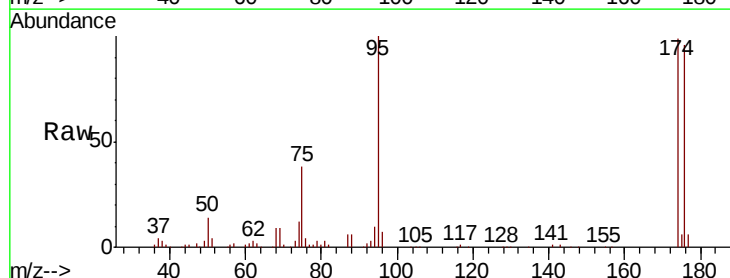
Tgt Ion: 95 Resp: 222244

Ion Ratio Lower Upper

95 100

174 98.6 0.0 188.0

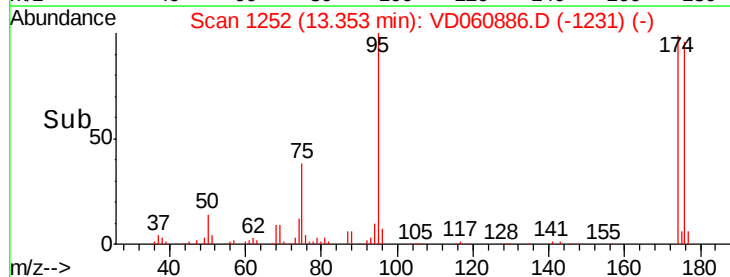
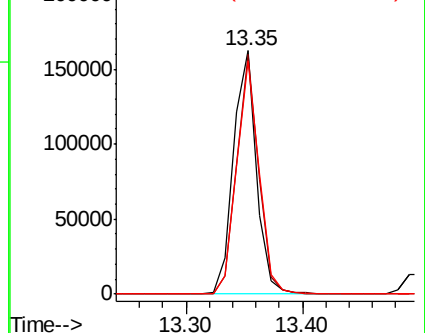
176 95.9 0.0 181.2

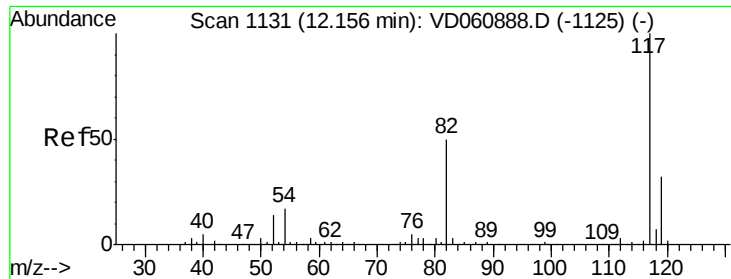


Abundance Ion 95.00 (94.70 to 95.70): V

Ion 173.90 (173.60 to 174.60): V

Ion 175.90 (175.60 to 176.60): V

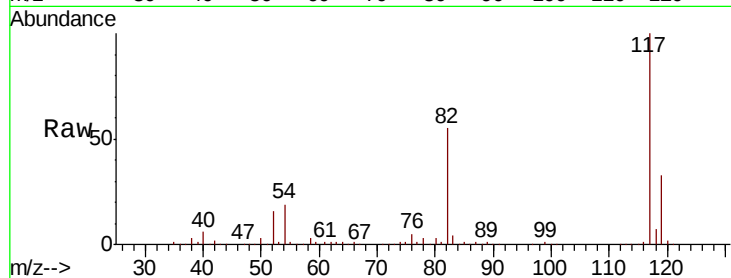




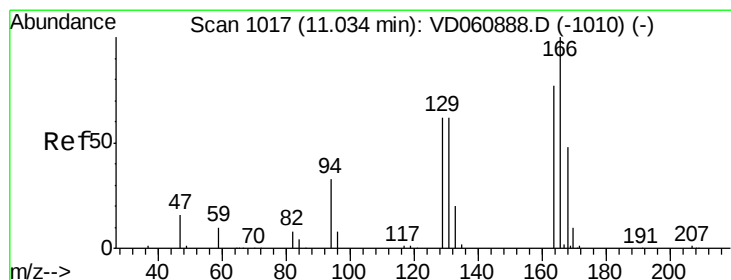
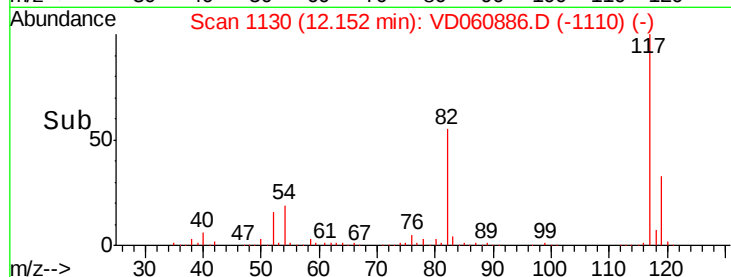
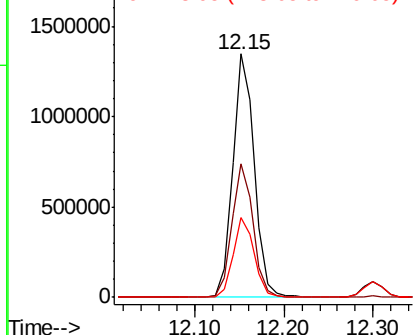
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 12.15 min Scan# 1130
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion:117 Resp: 2288910
Ion Ratio Lower Upper
117 100
82 54.8 40.3 60.5
119 32.5 25.8 38.6

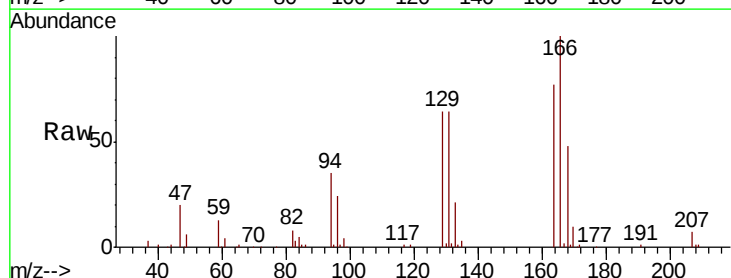


Abundance Ion 116.95 (116.65 to 117.65): V
Ion 82.05 (81.75 to 82.75): V
Ion 118.95 (118.65 to 119.65): V

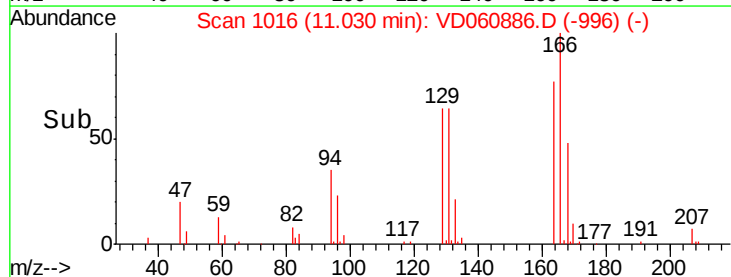
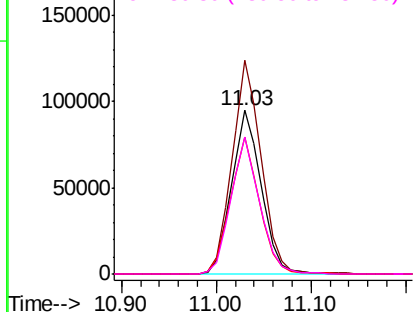


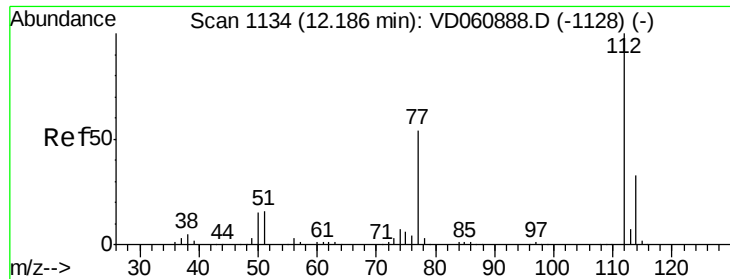
#64
Tetrachloroethene
Concen: 9.532 ug/l
RT: 11.03 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion:164 Resp: 204965
Ion Ratio Lower Upper
164 100
166 130.5 103.9 155.9
129 83.4 64.4 96.6
131 84.0 64.2 96.4



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: 11.163 ug/l

RT: 12.18 min Scan# 1133

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

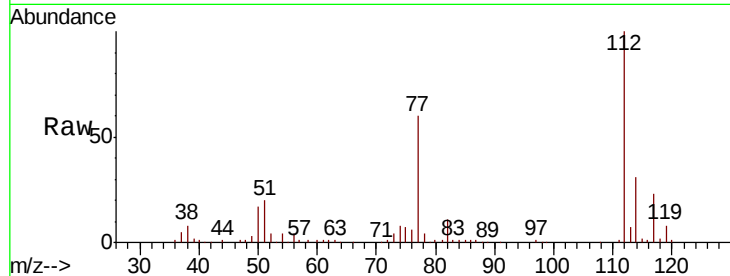
VSTDIC010

Tgt Ion:112 Resp: 530638

Ion Ratio Lower Upper

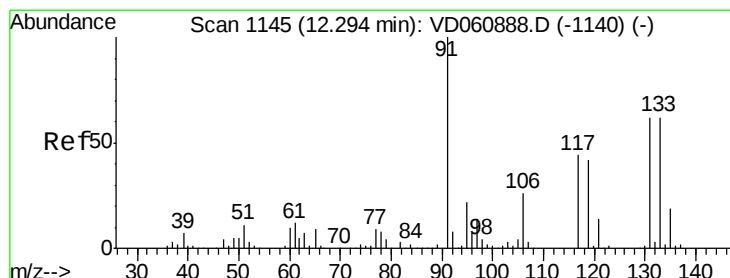
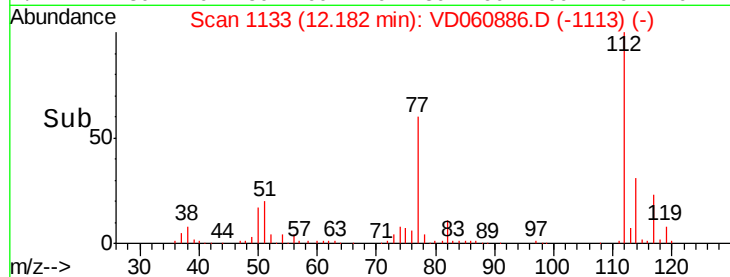
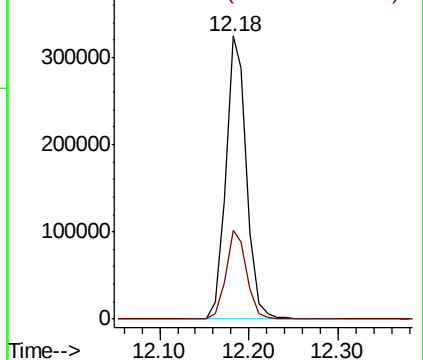
112 100

114 31.4 26.1 39.1



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 114.00 (113.70 to 114.70): V



#66

1,1,1,2-Tetrachloroethane

Concen: 9.974 ug/l

RT: 12.30 min Scan# 1145

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

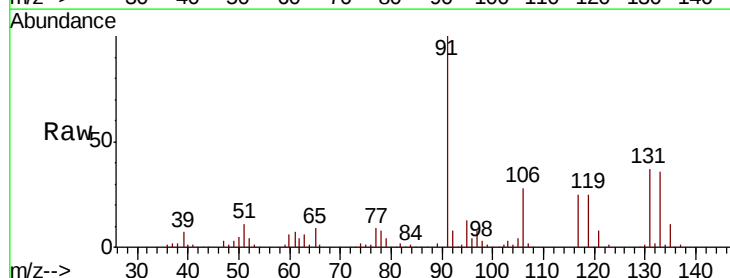
Tgt Ion:131 Resp: 204860

Ion Ratio Lower Upper

131 100

133 97.7 49.3 147.9

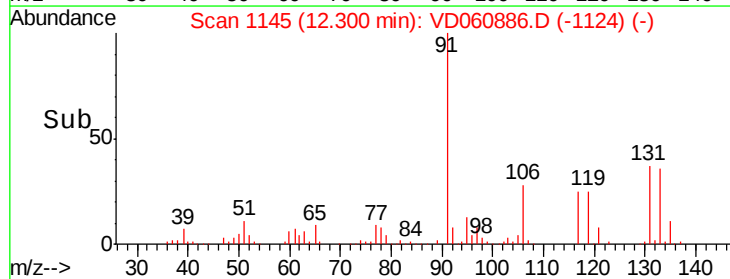
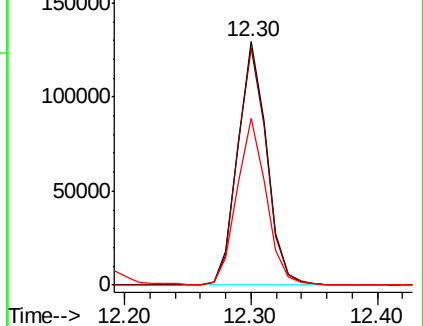
119 68.5 33.5 100.5

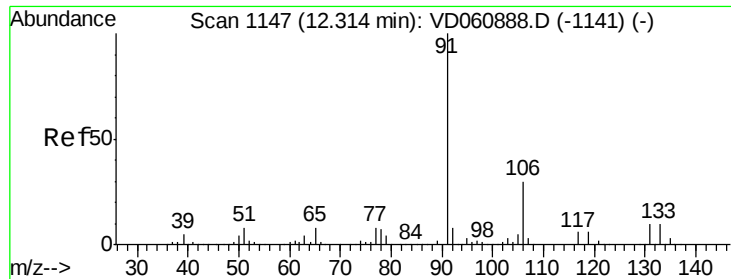


Abundance Ion 130.90 (130.60 to 131.60): V

Ion 132.90 (132.60 to 133.60): V

Ion 118.85 (118.55 to 119.55): V

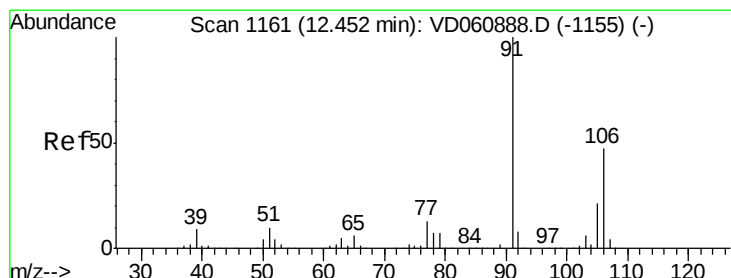
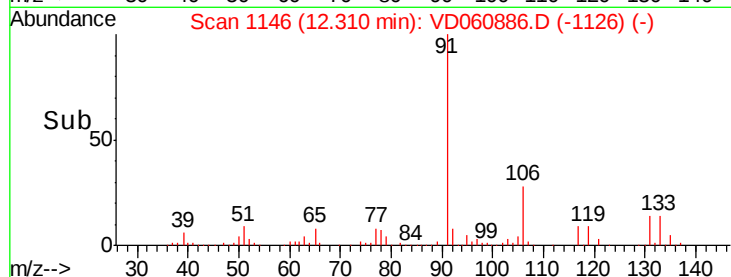
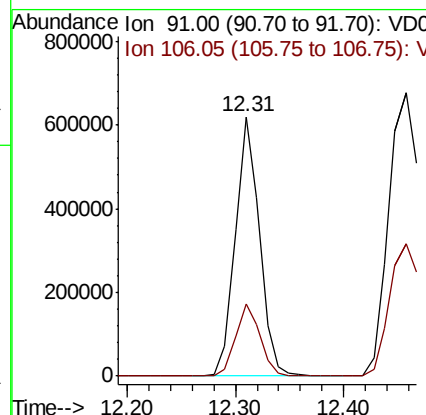
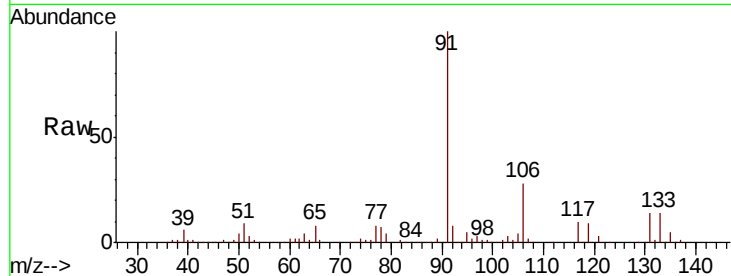




#67
Ethyl Benzene
Concen: 10.742 ug/l
RT: 12.31 min Scan# 1146
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

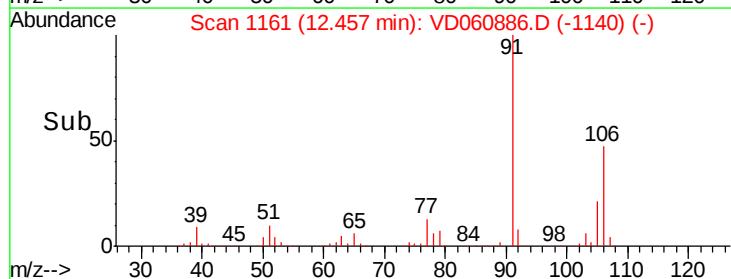
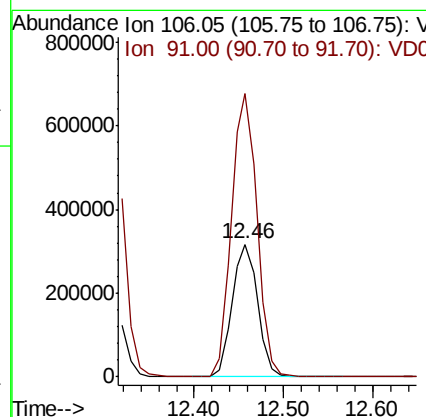
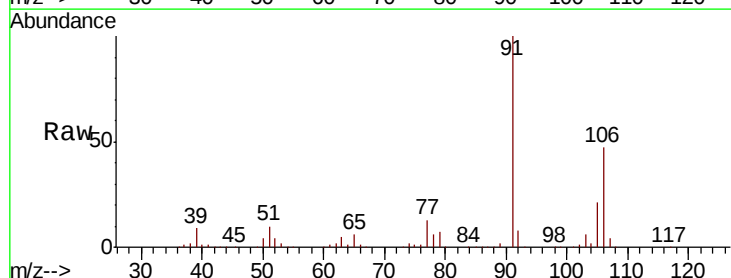
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

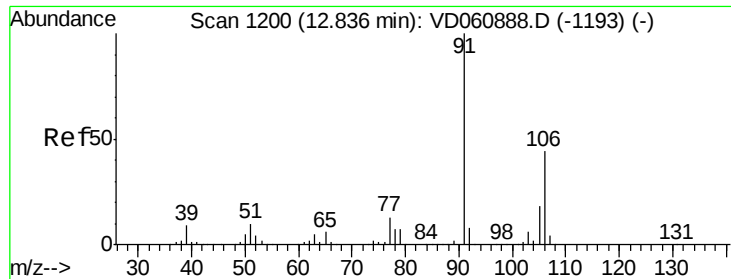
Tgt Ion: 91 Resp: 962819
Ion Ratio Lower Upper
91 100
106 27.8 23.7 35.5



#68
m/p-Xylenes
Concen: 21.226 ug/l
RT: 12.46 min Scan# 1161
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion: 106 Resp: 639409
Ion Ratio Lower Upper
106 100
91 212.9 169.6 254.4

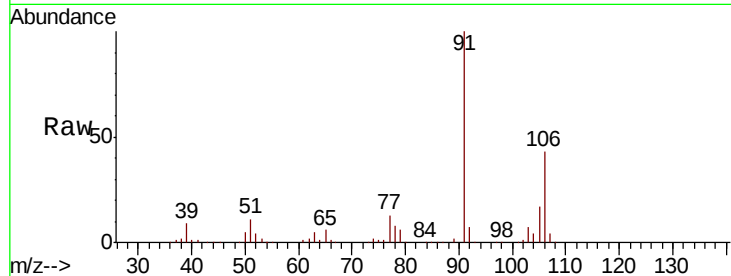




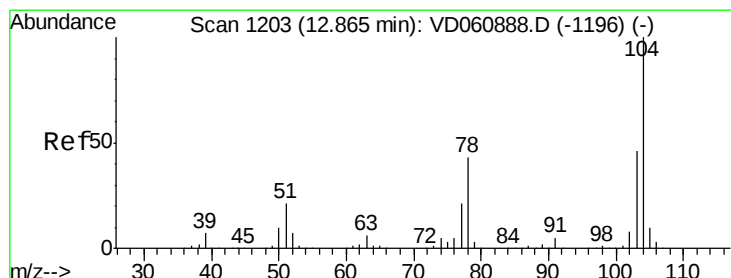
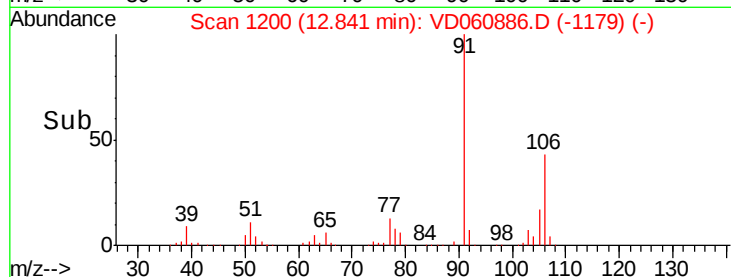
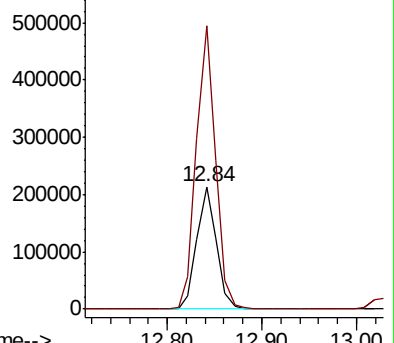
#69
o-Xylene
Concen: 10.718 ug/l
RT: 12.84 min Scan# 1200
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Instrument :
MSVOA_D
ClientSampleID :
VSTDIC010

Tgt Ion:106 Resp: 307078
Ion Ratio Lower Upper
106 100
91 231.1 113.7 341.1

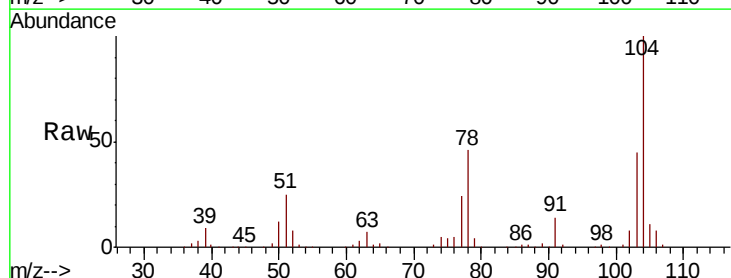


Abundance Ion 106.05 (105.75 to 106.75): V
Ion 91.00 (90.70 to 91.70): V

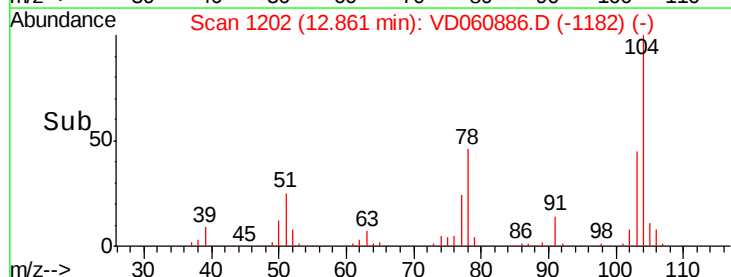
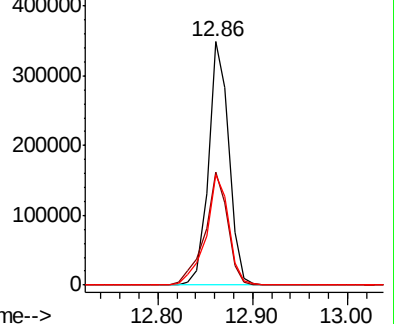


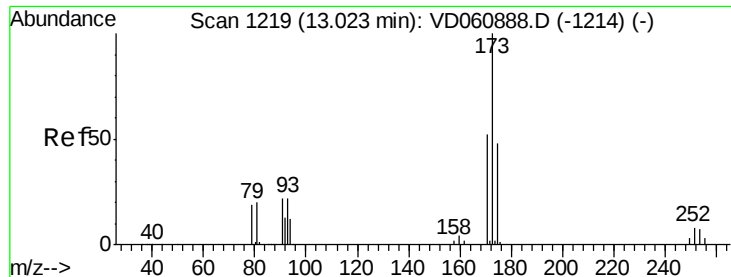
#70
Styrene
Concen: 11.270 ug/l
RT: 12.86 min Scan# 1202
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion:104 Resp: 521286
Ion Ratio Lower Upper
104 100
78 46.5 34.7 52.1
103 45.2 36.6 55.0



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





#71

Bromoform

Concen: 8.346 ug/l

RT: 13.03 min Scan# 1219

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

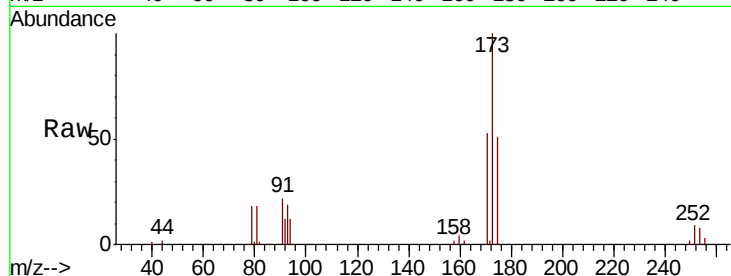
Tgt Ion:173 Resp: 125123

Ion Ratio Lower Upper

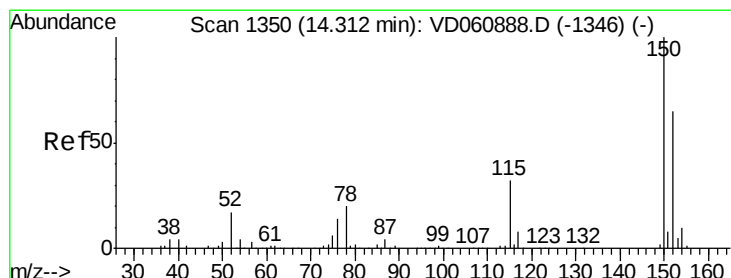
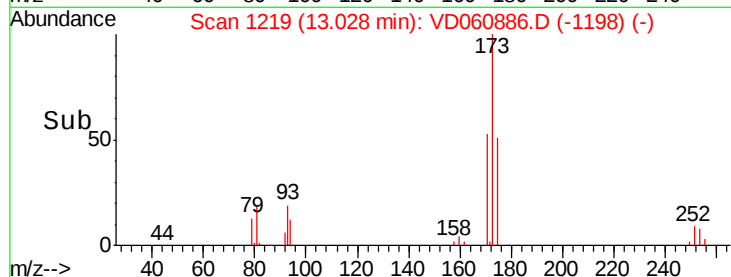
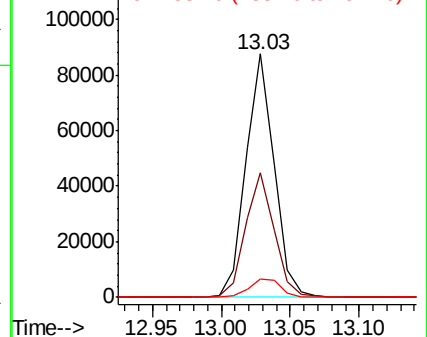
173 100

175 51.0 24.3 72.8

254 7.6 5.7 8.5



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: 14.32 min Scan# 1350

Delta R.T. 0.01 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

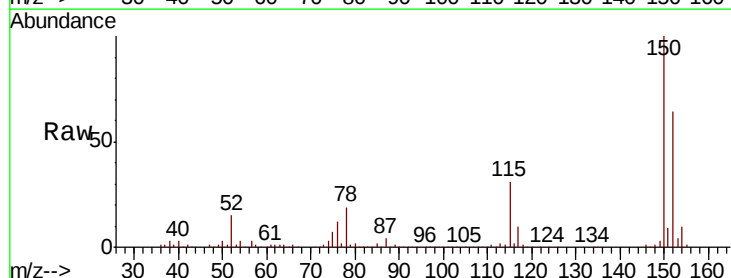
Tgt Ion:152 Resp: 1238232

Ion Ratio Lower Upper

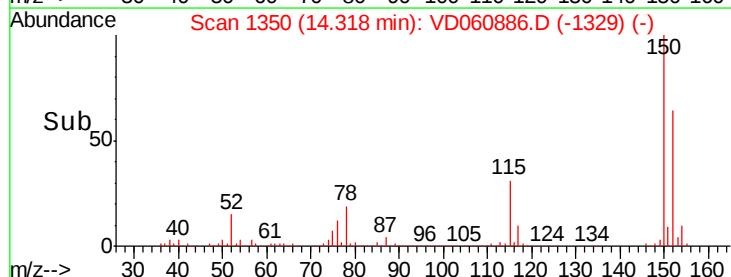
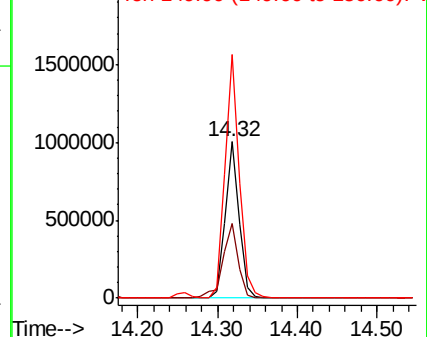
152 100

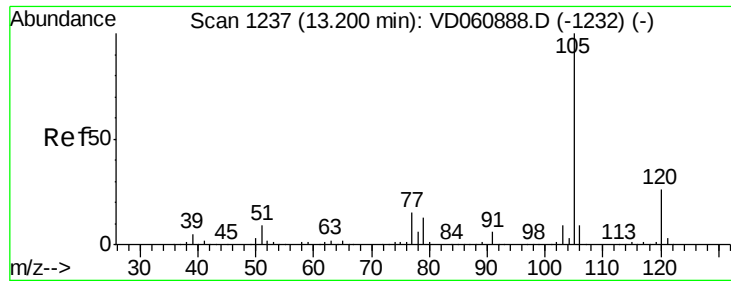
115 47.7 26.3 78.9

150 156.0 0.0 312.0



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: 8.957 ug/l

RT: 13.20 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

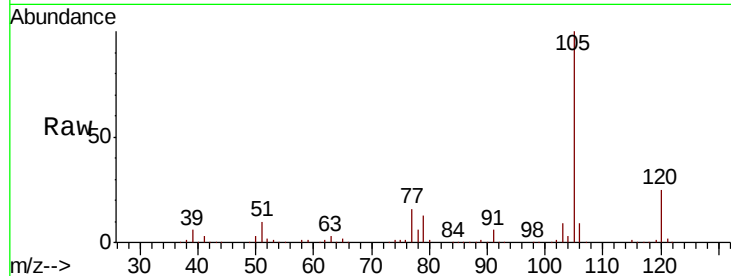
VSTDIC010

Tgt Ion: 105 Resp: 809274

Ion Ratio Lower Upper

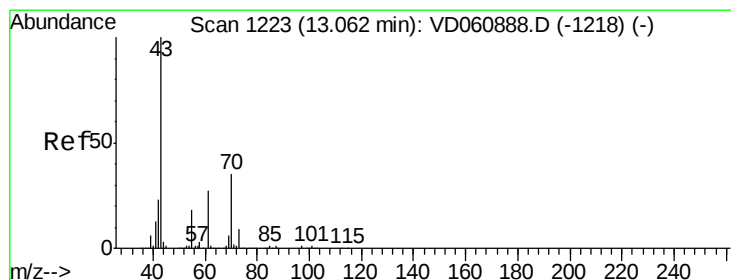
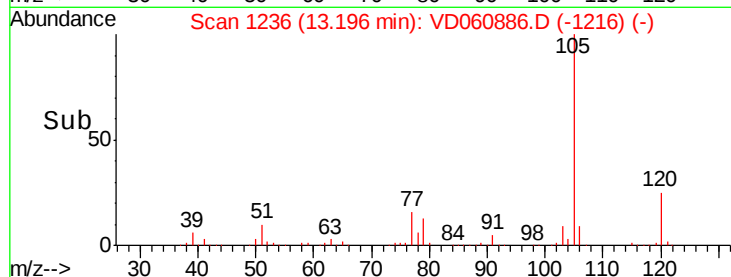
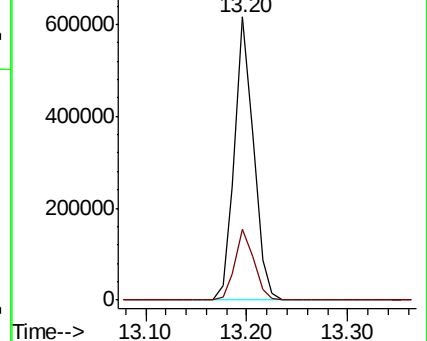
105 100

120 25.0 13.1 39.1



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.05 (119.75 to 120.75): V



#74

N-ethyl acetate

Concen: 7.548 ug/l

RT: 13.06 min Scan# 1222

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Tgt Ion: 43 Resp: 247558

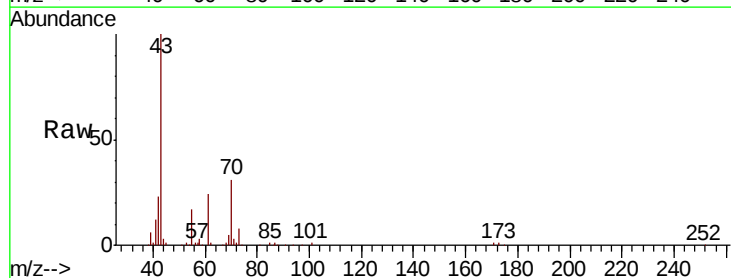
Ion Ratio Lower Upper

43 100

70 30.6 28.4 42.6

55 17.0 14.0 21.0

61 24.0 21.4 32.2

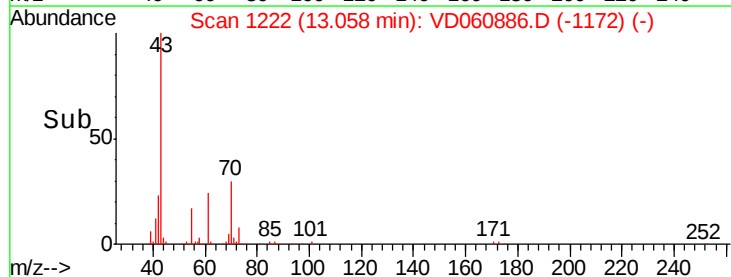
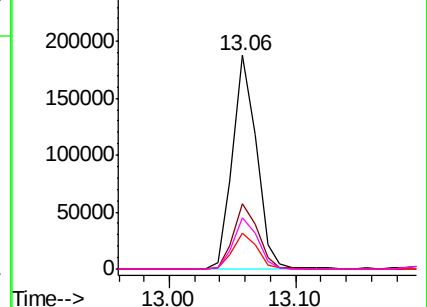


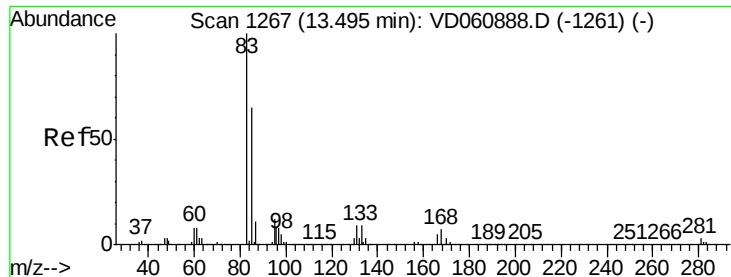
Abundance Ion 42.95 (42.65 to 43.65): VDC

Ion 70.00 (69.70 to 70.70): VDC

Ion 55.00 (54.70 to 55.70): VDC

Ion 60.95 (60.65 to 61.65): VDC





#75

1,1,2,2-Tetrachloroethane

Concen: 9.392 ug/l

RT: 13.49 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

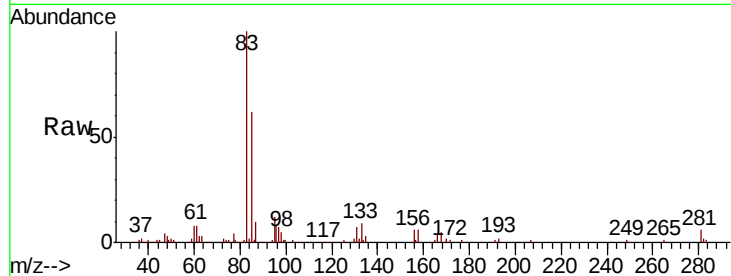
Tgt Ion: 83 Resp: 168104

Ion Ratio Lower Upper

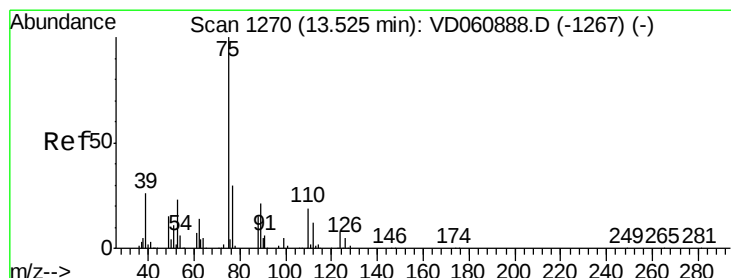
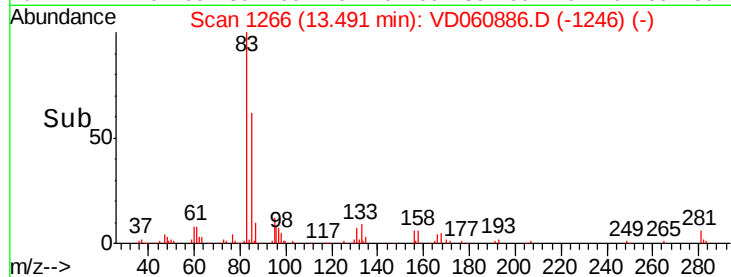
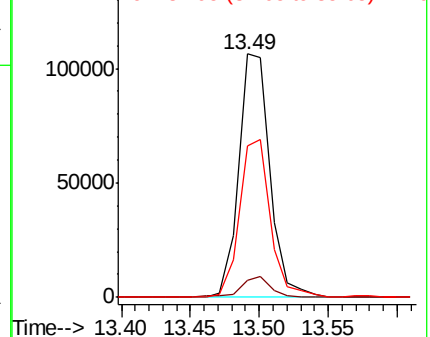
83 100

131 7.3 4.5 13.4

85 61.9 32.7 98.1



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: 8.594 ug/l

RT: 13.53 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD060886.D

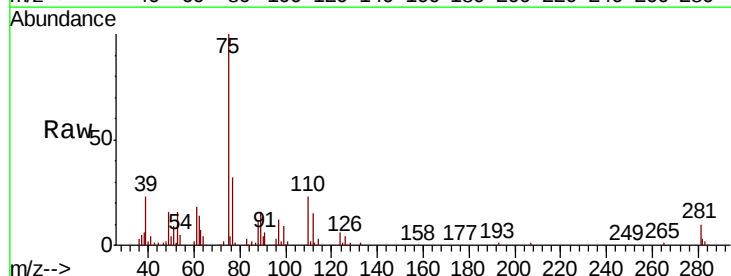
Acq: 21 Feb 2019 17:26

Tgt Ion: 75 Resp: 175225

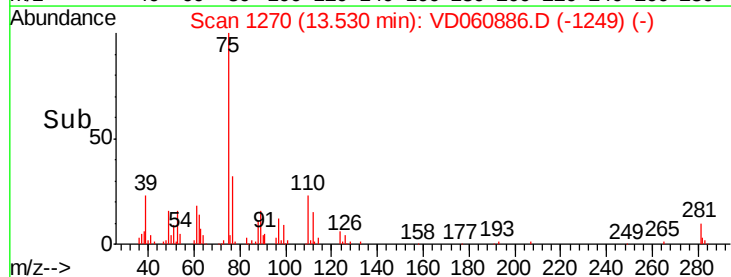
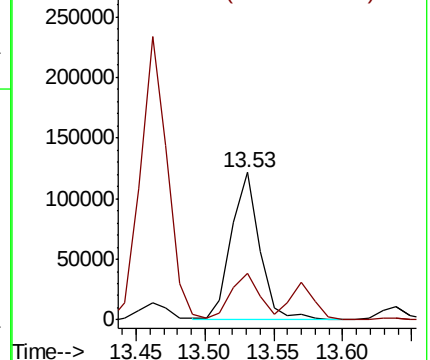
Ion Ratio Lower Upper

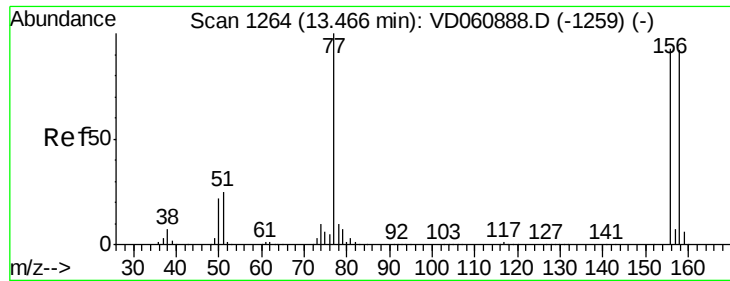
75 100

77 32.0 16.1 48.3



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





#77

Bromobenzene

Concen: 9.324 ug/l

RT: 13.46 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

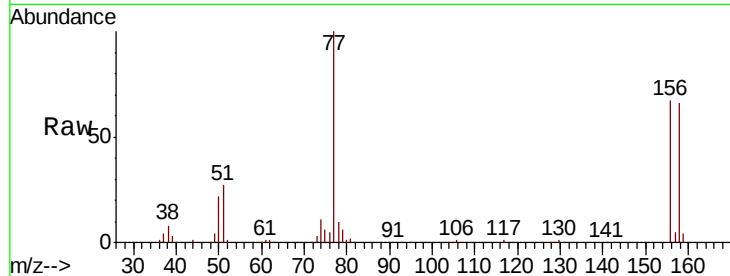
Tgt Ion: 156 Resp: 231980

Ion Ratio Lower Upper

156 100

77 150.2 53.8 161.4

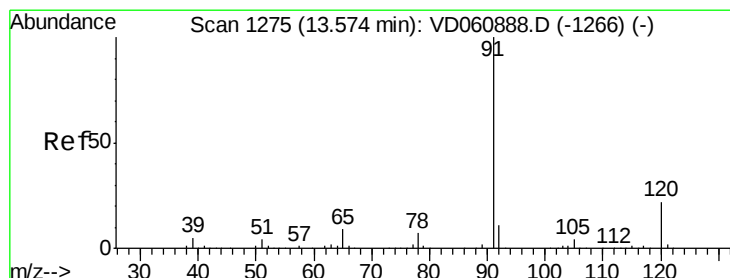
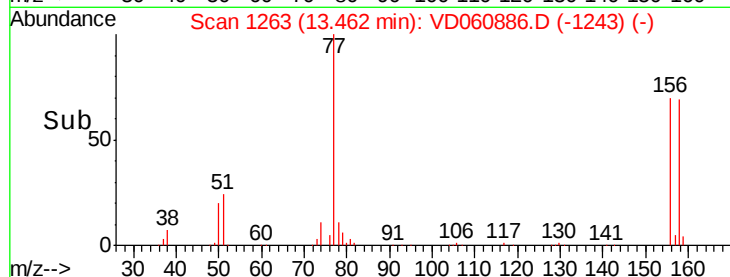
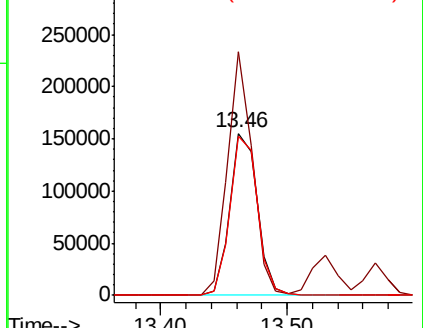
158 98.5 49.3 147.9



Abundance Ion 155.90 (155.60 to 156.60): V

Ion 76.95 (76.65 to 77.65): V

Ion 157.85 (157.55 to 158.55): V



#78

n-propylbenzene

Concen: 8.950 ug/l

RT: 13.57 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VD060886.D

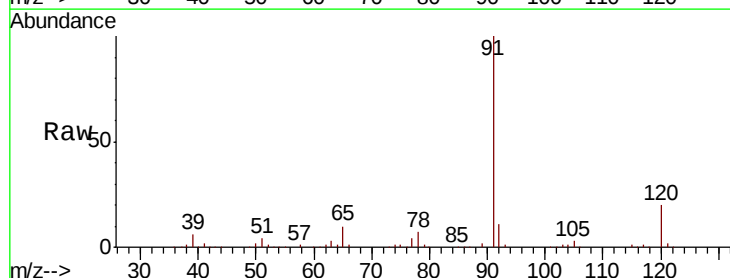
Acq: 21 Feb 2019 17:26

Tgt Ion: 91 Resp: 1051925

Ion Ratio Lower Upper

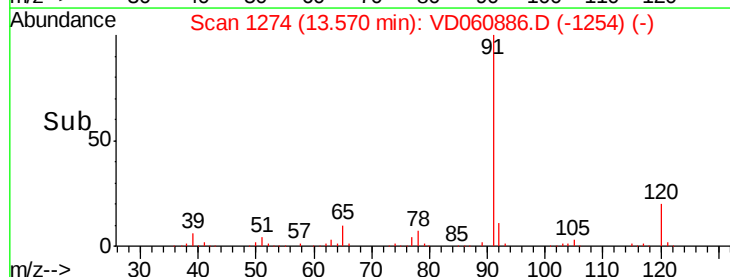
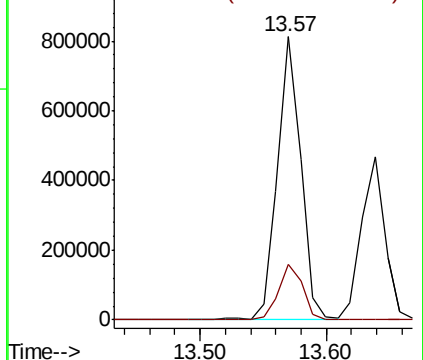
91 100

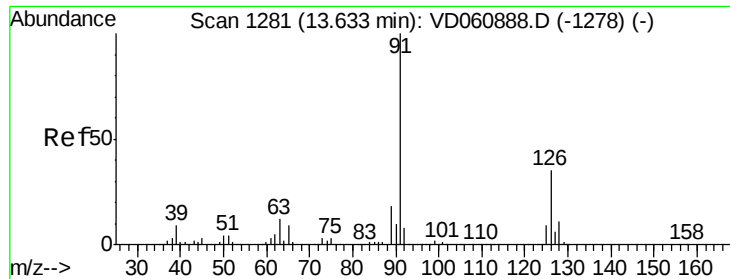
120 19.7 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.05 (119.75 to 120.75): V

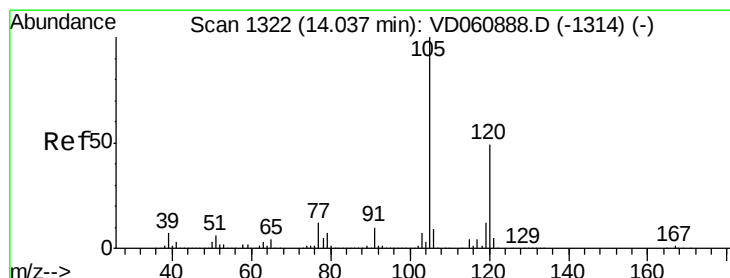
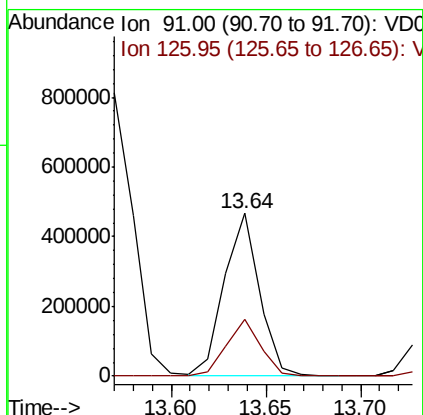
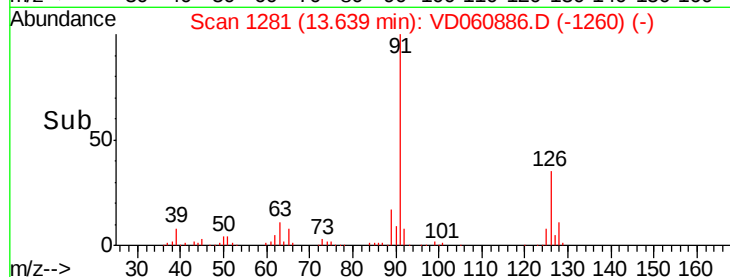
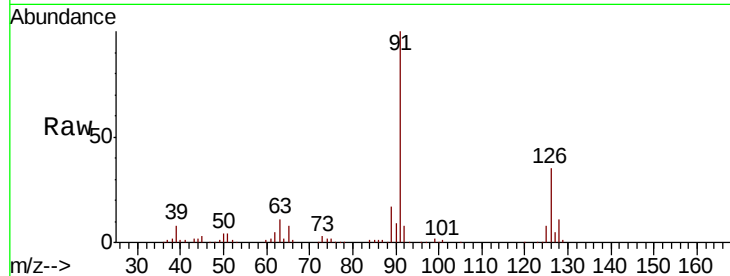




#79
2-Chlorotoluene
Concen: 9.204 ug/l
RT: 13.64 min Scan# 1281
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

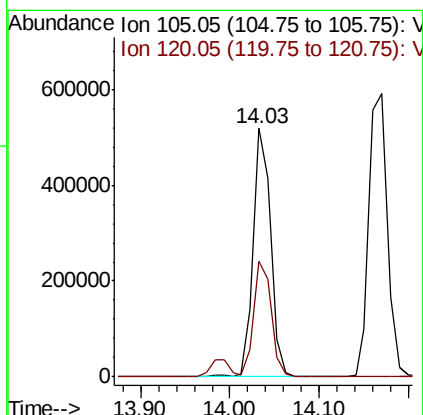
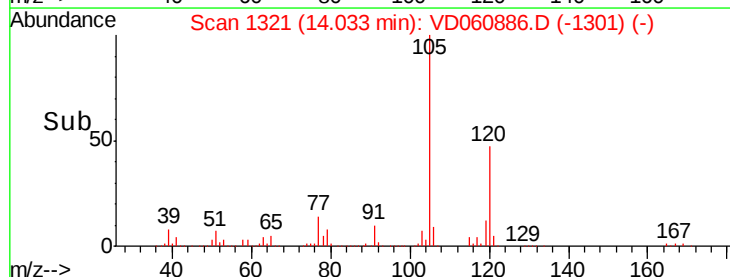
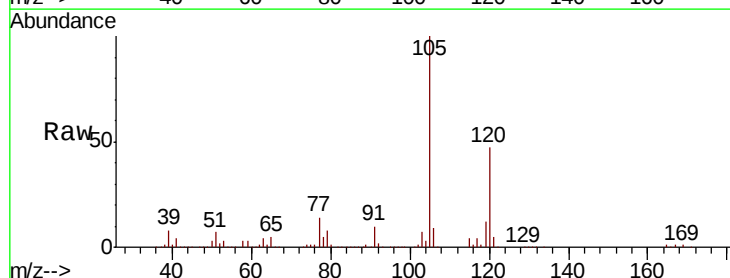
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

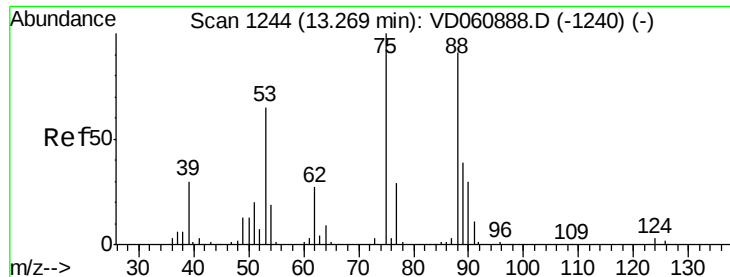
Tgt Ion: 91 Resp: 598632
Ion Ratio Lower Upper
91 100
126 35.1 17.3 51.7



#80
1,3,5-Trimethylbenzene
Concen: 9.309 ug/l
RT: 14.03 min Scan# 1321
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion: 105 Resp: 697525
Ion Ratio Lower Upper
105 100
120 46.6 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 8.849 ug/l

RT: 13.26 min Scan# 1243

Delta R.T. -0.00 min

Lab File: VD060886.D

Acq: 21 Feb 2019 17:26

Instrument :

MSVOA_D

ClientSampleId :

VSTDIC010

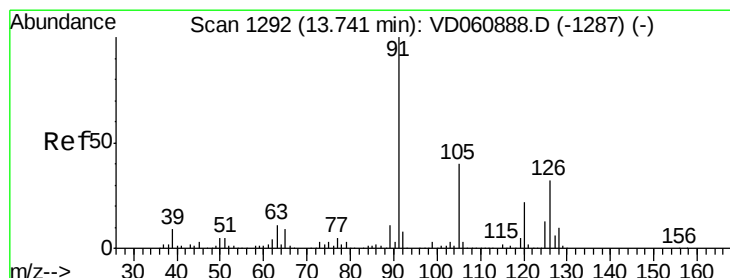
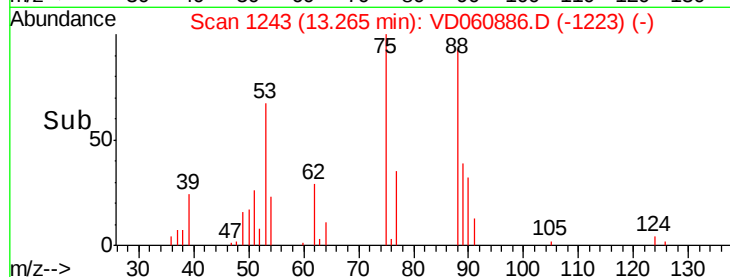
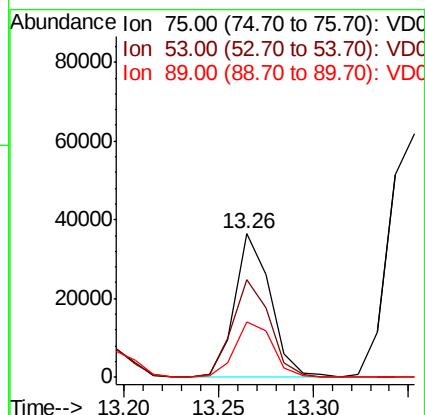
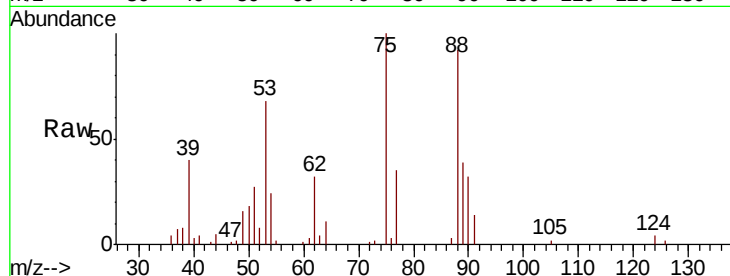
Tgt Ion: 75 Resp: 47638

Ion Ratio Lower Upper

75 100

53 68.4 51.8 77.6

89 38.7 31.0 46.4



#82

4-Chlorotoluene

Concen: 8.700 ug/l

RT: 13.75 min Scan# 1292

Delta R.T. 0.01 min

Lab File: VD060886.D

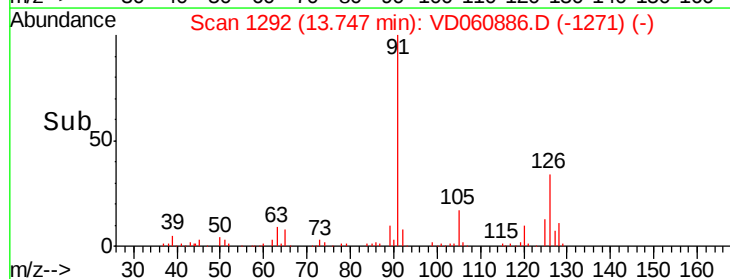
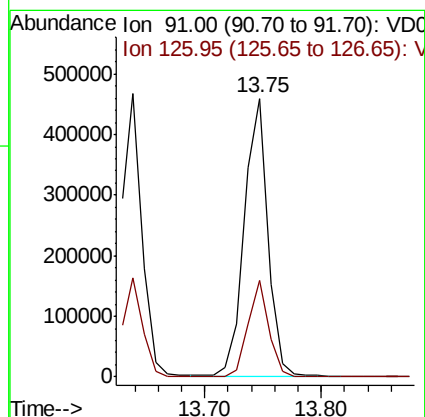
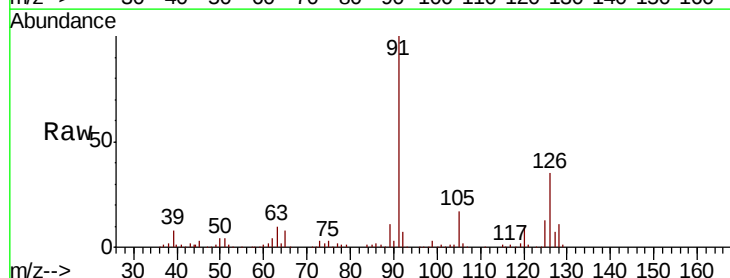
Acq: 21 Feb 2019 17:26

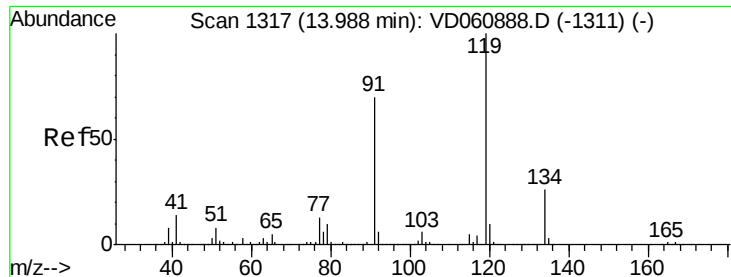
Tgt Ion: 91 Resp: 643177

Ion Ratio Lower Upper

91 100

126 34.6 16.0 48.0

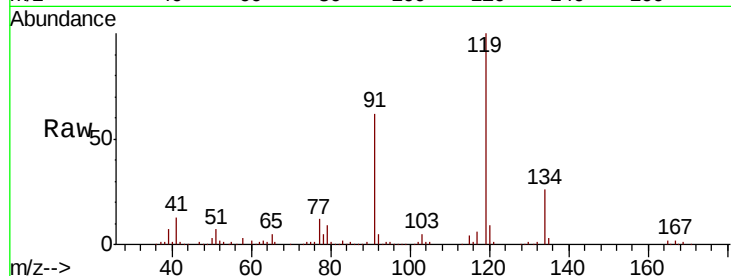




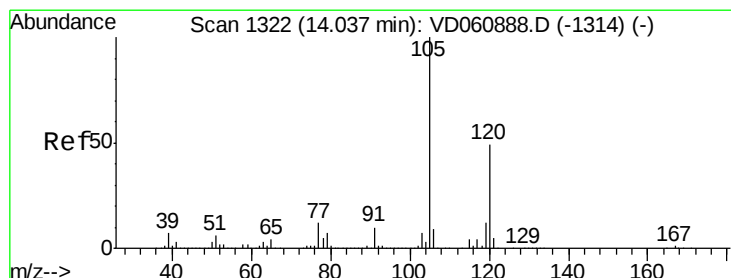
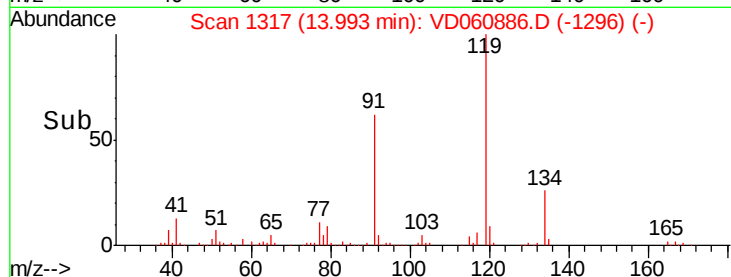
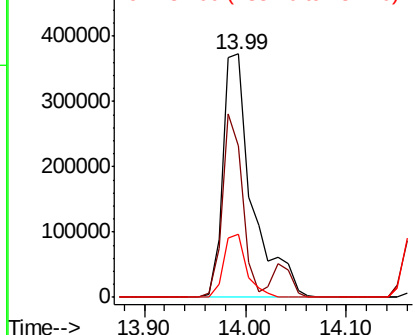
#83
 tert-Butylbenzene
 Concen: 9.060 ug/l
 RT: 13.99 min Scan# 1317
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:119 Resp: 755822
 Ion Ratio Lower Upper
 119 100
 91 62.2 34.9 104.8
 134 25.7 13.2 39.6

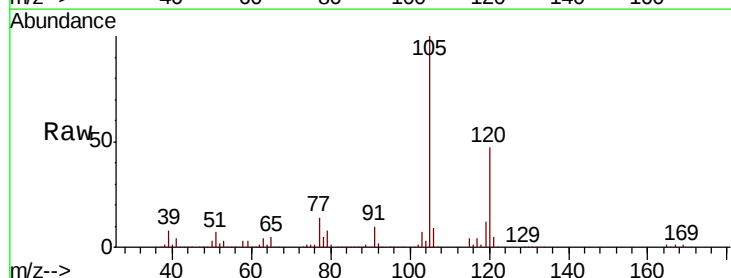


Abundance Ion 119.05 (118.75 to 119.75): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

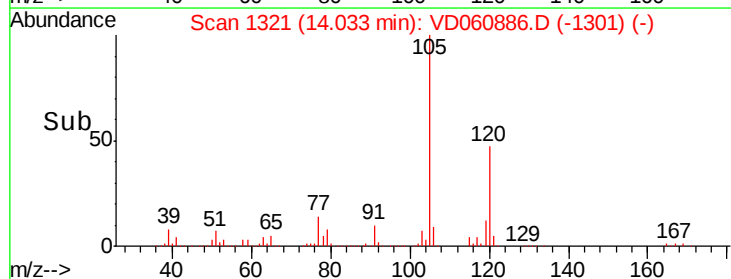
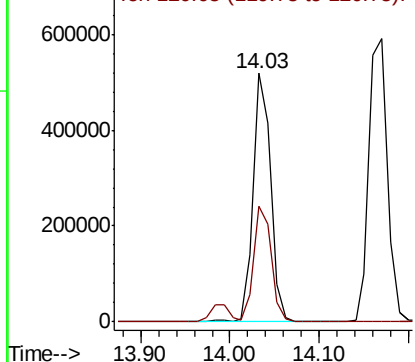


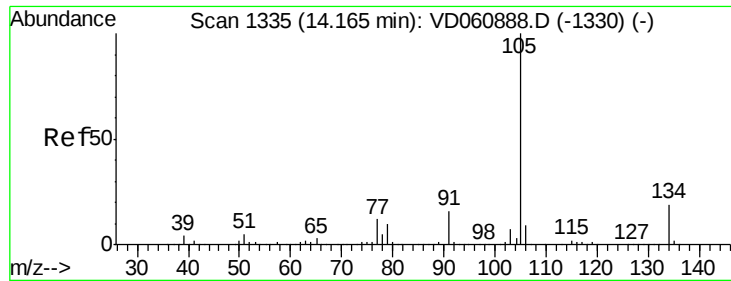
#84
 1,2,4-Trimethylbenzene
 Concen: 9.309 ug/l
 RT: 14.03 min Scan# 1321
 Delta R.T. -0.00 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion:105 Resp: 697525
 Ion Ratio Lower Upper
 105 100
 120 46.6 24.3 73.0



Abundance Ion 105.05 (104.75 to 105.75): V
 Ion 120.05 (119.75 to 120.75): V

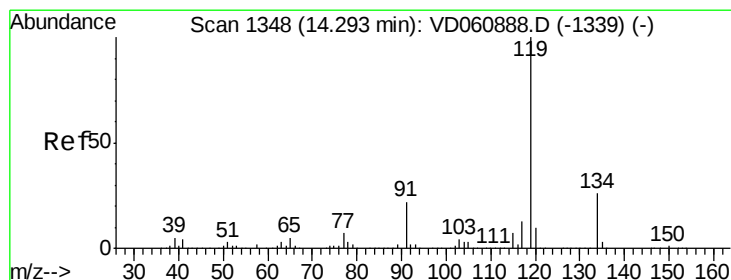
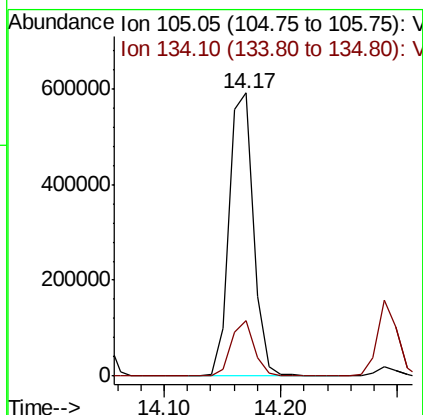
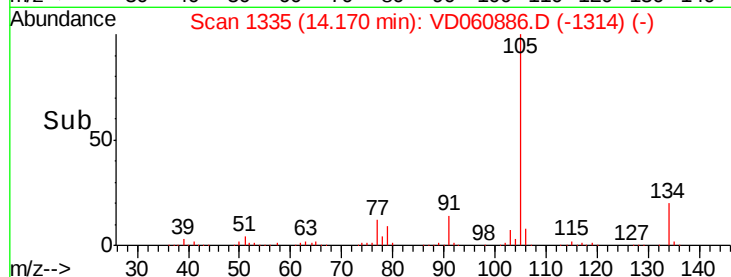
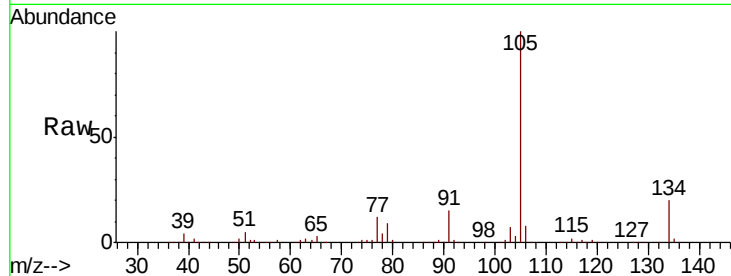




#85
 sec-Butylbenzene
 Concen: 9.345 ug/l
 RT: 14.17 min Scan# 1335
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

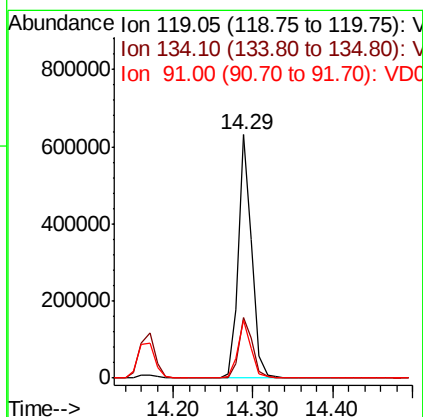
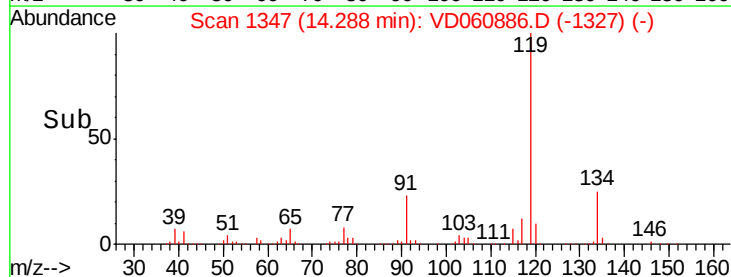
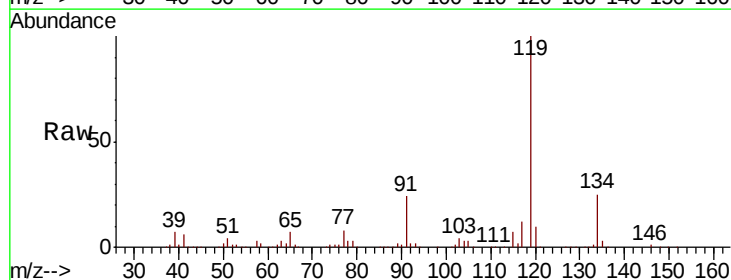
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

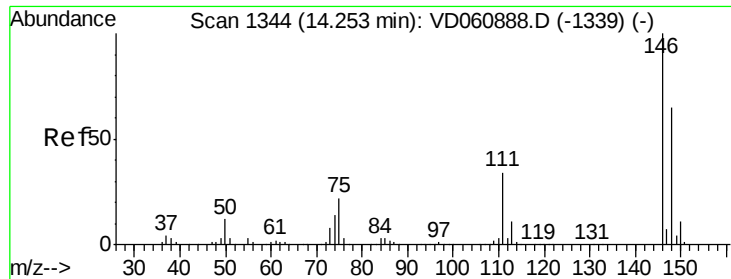
Tgt Ion:105 Resp: 853578
 Ion Ratio Lower Upper
 105 100
 134 19.6 9.4 28.3



#86
 p-Isopropyltoluene
 Concen: 9.678 ug/l
 RT: 14.29 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion:119 Resp: 741522
 Ion Ratio Lower Upper
 119 100
 134 25.0 13.3 39.8
 91 23.6 11.3 33.9

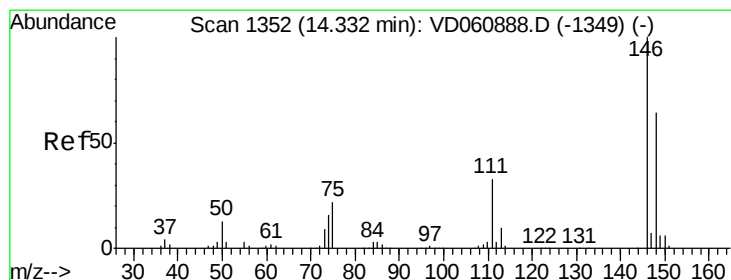
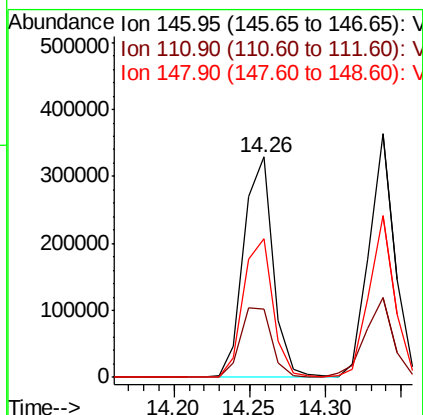
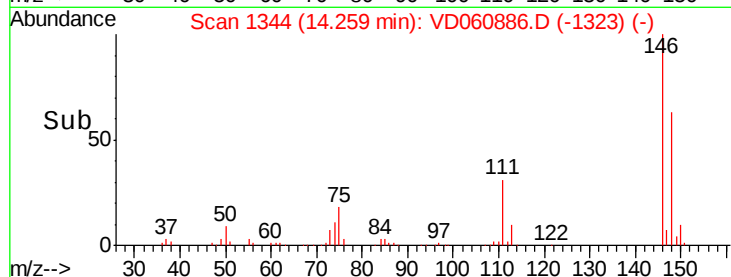
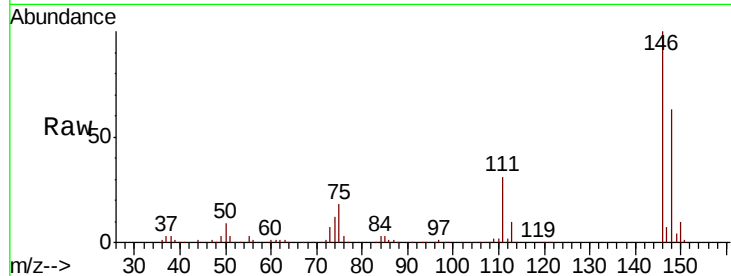




#87
 1,3-Dichlorobenzene
 Concen: 10.314 ug/l
 RT: 14.26 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

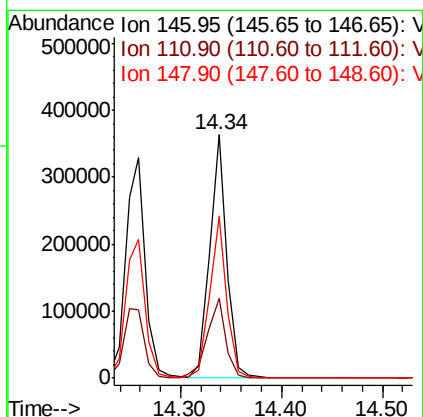
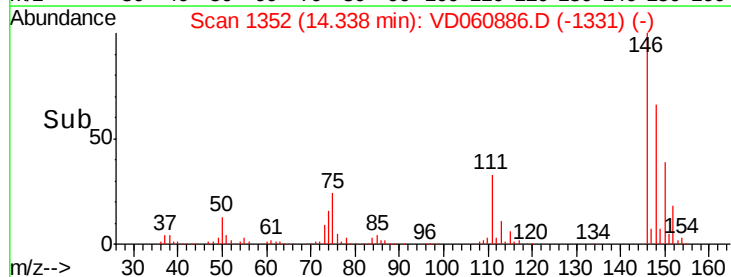
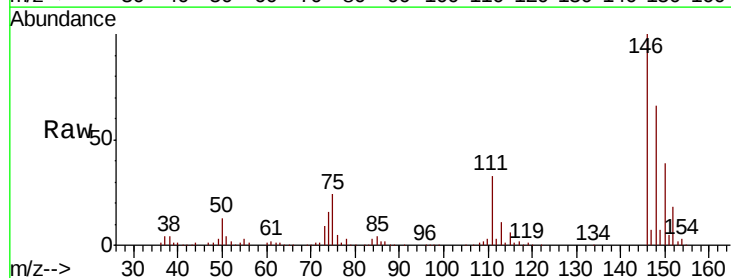
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

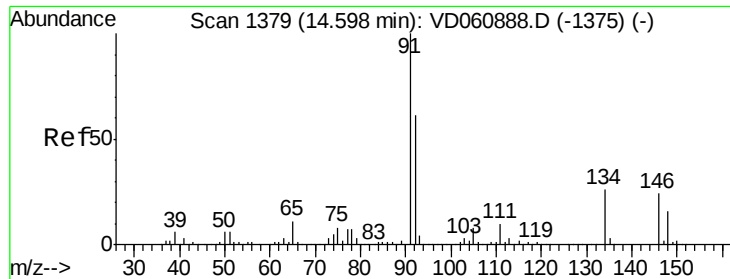
Tgt Ion	Ratio	Lower	Upper
146	100		
111	30.9	17.3	51.7
148	62.9	32.6	98.0



#88
 1,4-Dichlorobenzene
 Concen: 9.960 ug/l
 RT: 14.34 min Scan# 1352
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	32.6	16.5	49.5
148	66.4	32.1	96.3

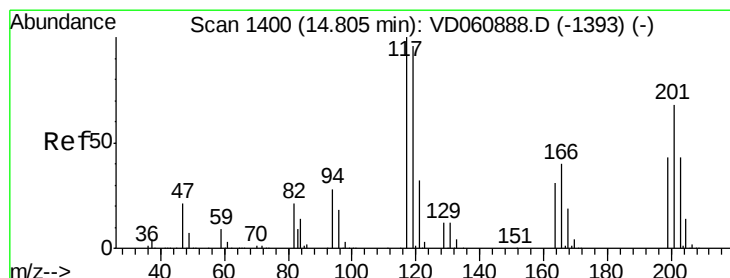
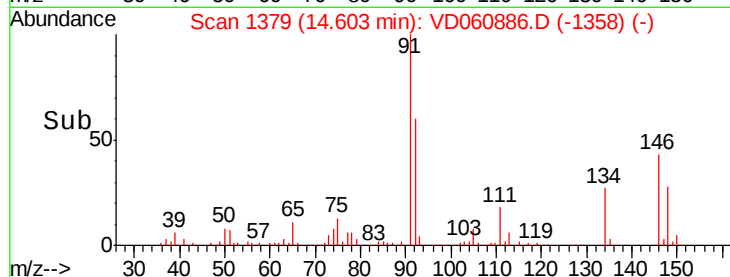
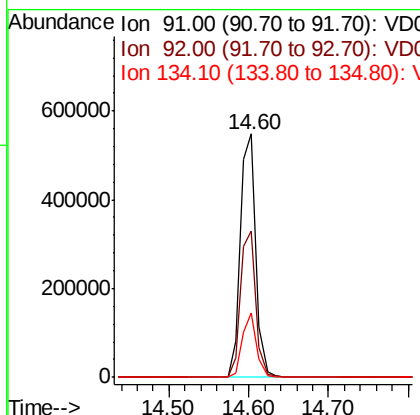
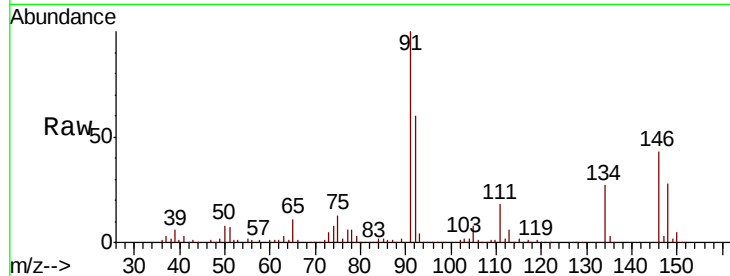




#89
n-Butylbenzene
Concen: 9.547 ug/l
RT: 14.60 min Scan# 1379
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

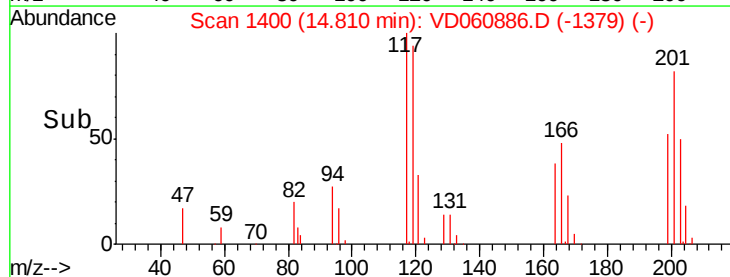
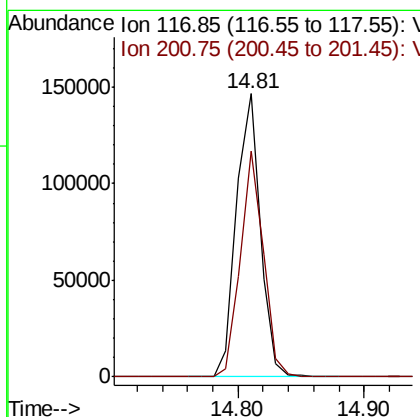
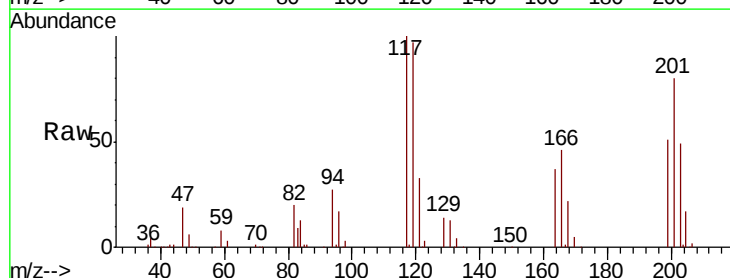
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

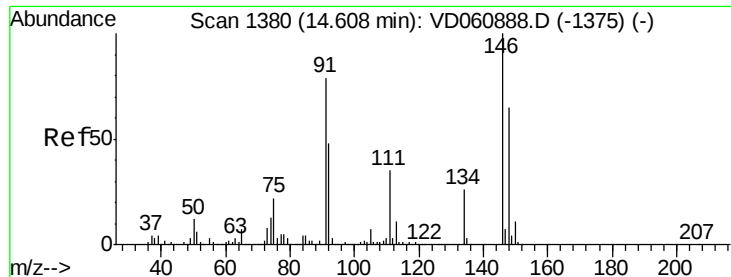
Tgt Ion: 91 Resp: 747110
Ion Ratio Lower Upper
91 100
92 60.0 30.3 90.8
134 26.6 12.8 38.3



#90
Hexachloroethane
Concen: 9.255 ug/l
RT: 14.81 min Scan# 1400
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion: 117 Resp: 190973
Ion Ratio Lower Upper
117 100
201 79.8 34.2 102.6

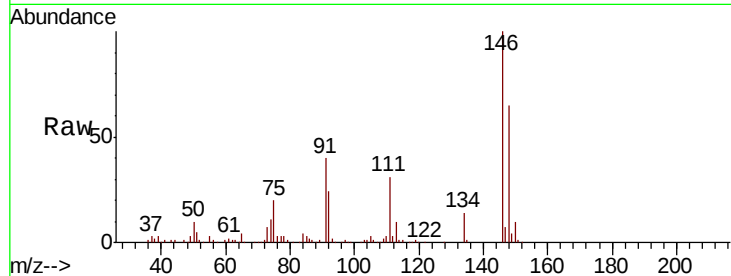




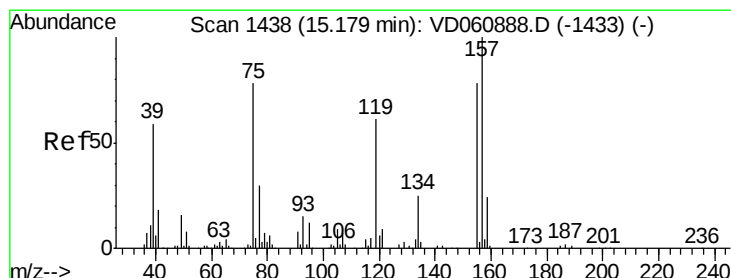
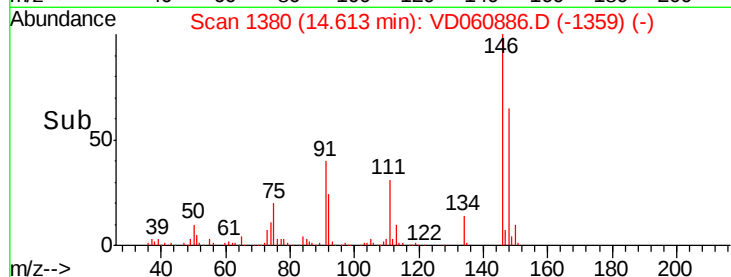
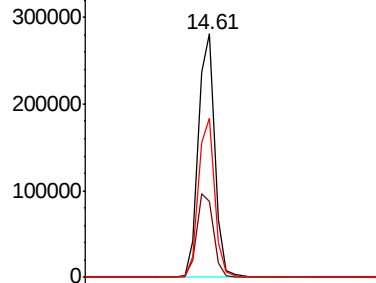
#91
 1,2-Dichlorobenzene
 Concen: 10.369 ug/l
 RT: 14.61 min Scan# 1380
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDIC010

Tgt Ion:146 Resp: 380600
 Ion Ratio Lower Upper
 146 100
 111 31.1 17.4 52.2
 148 65.1 32.6 97.7

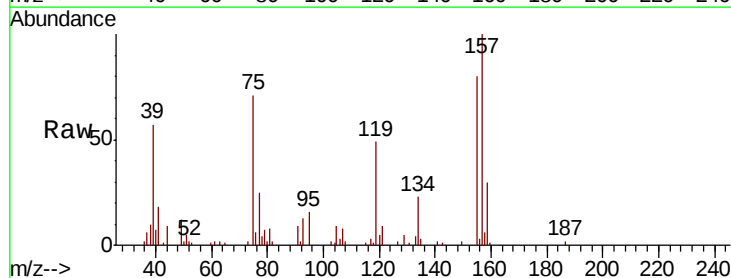


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

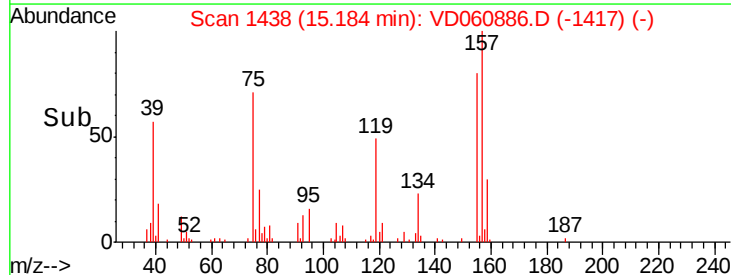
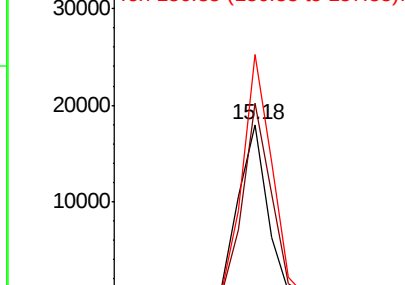


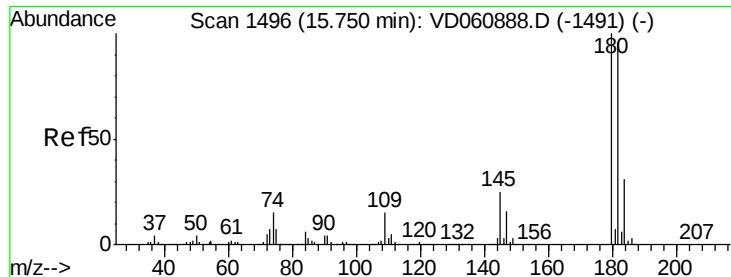
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 7.466 ug/l
 RT: 15.18 min Scan# 1438
 Delta R.T. 0.01 min
 Lab File: VD060886.D
 Acq: 21 Feb 2019 17:26

Tgt Ion: 75 Resp: 21891
 Ion Ratio Lower Upper
 75 100
 155 112.3 49.9 149.6
 157 140.2 64.3 192.9



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

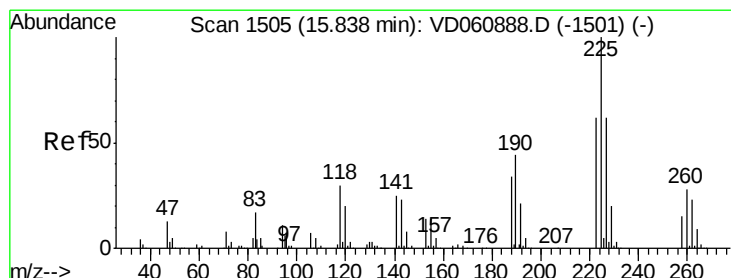
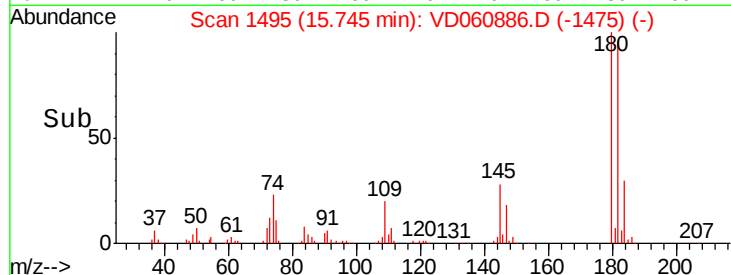
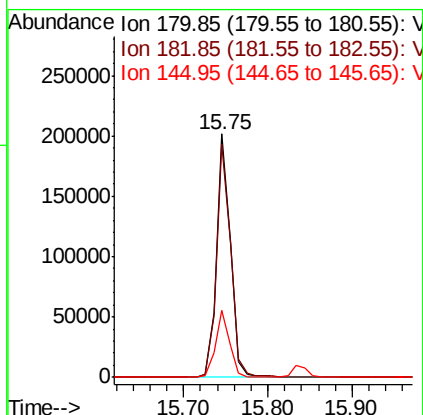
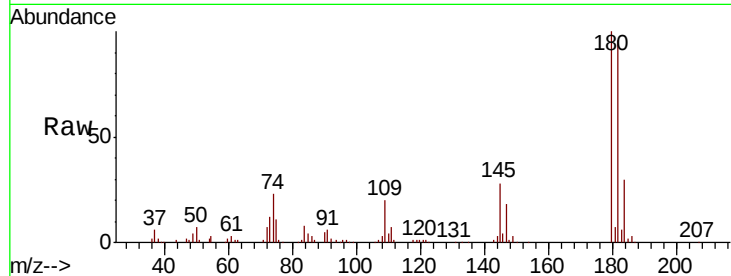




#93
1,2,4-Trichlorobenzene
Concen: 7.589 ug/l
RT: 15.75 min Scan# 1495
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

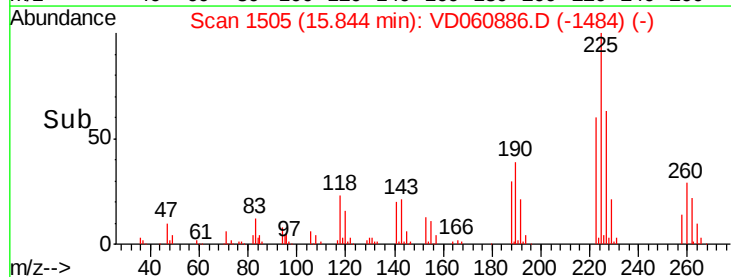
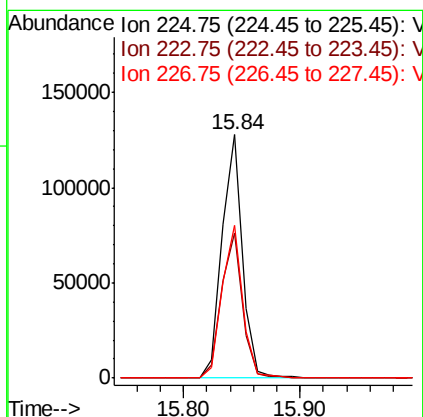
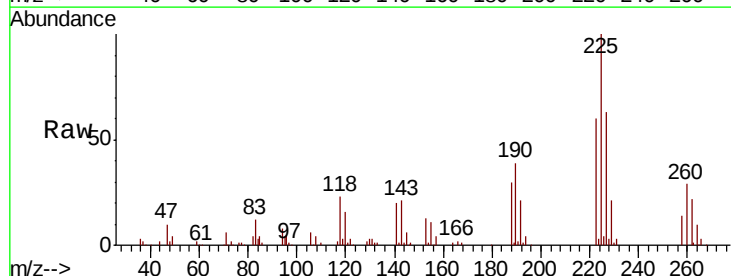
Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

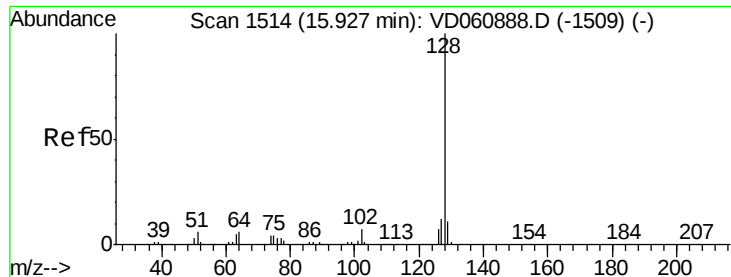
Tgt Ion:180 Resp: 230637
Ion Ratio Lower Upper
180 100
182 96.0 47.8 143.3
145 27.5 12.4 37.4



#94
Hexachlorobutadiene
Concen: 5.887 ug/l
RT: 15.84 min Scan# 1505
Delta R.T. 0.01 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion:225 Resp: 154943
Ion Ratio Lower Upper
225 100
223 59.8 31.1 93.5
227 62.6 31.2 93.6

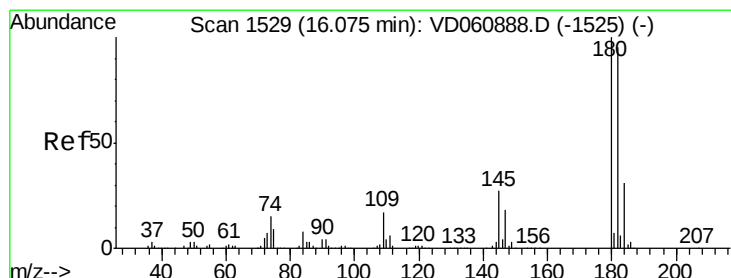
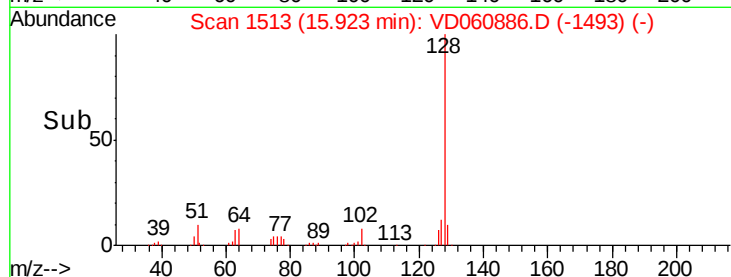
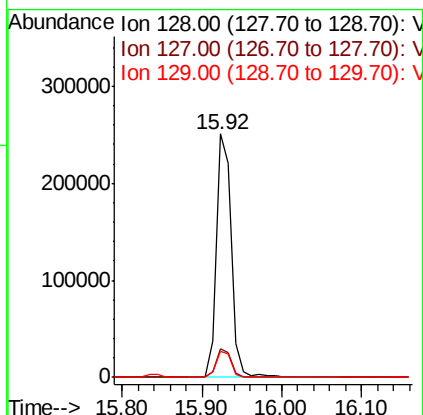
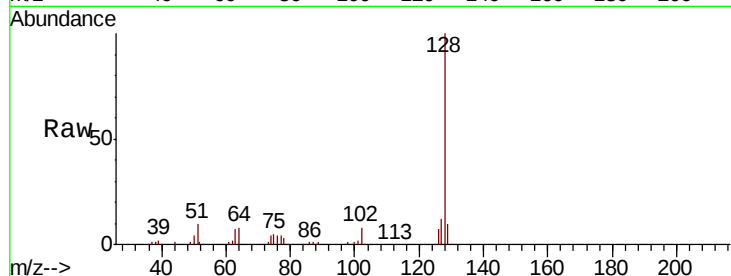




#95
Naphthalene
Concen: 8.209 ug/l
RT: 15.92 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Instrument :
MSVOA_D
ClientSampleId :
VSTDIC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.7	9.8	14.6
129	10.5	9.0	13.4



#96
1,2,3-Trichlorobenzene
Concen: 6.212 ug/l
RT: 16.07 min Scan# 1528
Delta R.T. -0.00 min
Lab File: VD060886.D
Acq: 21 Feb 2019 17:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	92.3	47.7	143.1
145	32.9	13.5	40.4

