

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008494.D
 Acq On : 31 Oct 2018 14:45
 Operator : SY/MD
 Sample : VSTD01052
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01054

Quant Time: Oct 31 23:53:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 31 23:42:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	246016	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	223769	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	101029	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15008	10.61	ug/L	0.00
7) Chloroethane-d5	1.56	69	9560	9.68	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	24697	9.93	ug/L	0.00
21) 2-Butanone-d5	3.94	46	28916	19.40	ug/L	0.00
24) Chloroform-d	4.41	84	33406	9.82	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	22438	9.88	ug/L	0.00
32) Benzene-d6	5.10	84	67267	10.34	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	22432	10.00	ug/L	0.00
41) Toluene-d8	7.36	98	60355	10.22	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	10781	9.87	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	22015	18.99	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	30209	9.89	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	21183	10.06	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18629	10.493 ug/L	99
3) Chloromethane	1.25	50	18779	9.992 ug/L	99
5) Vinyl chloride	1.32	62	17272	9.906 ug/L	99
6) Bromomethane	1.51	94	3954	8.371 ug/L	98
8) Chloroethane	1.58	64	9629	10.422 ug/L	98
9) Trichlorofluoromethane	1.76	101	21204	9.565 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11169	9.601 ug/L	98
12) 1,1-Dichloroethene	2.14	96	10429	9.516 ug/L	91
13) Acetone	2.20	43	28765	23.734 ug/L	99
14) Carbon disulfide	2.32	76	48805	9.835 ug/L	98
15) Methyl Acetate	2.46	43	21800	9.633 ug/L	100
16) Methylene chloride	2.54	84	18045	9.474 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	15819	9.460 ug/L	98
18) Methyl tert-butyl Ether	2.81	73	57170	9.589 ug/L	99
19) 1,1-Dichloroethane	3.23	63	31833	9.268 ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	18366	9.641 ug/L	98
22) 2-Butanone	4.03	43	37598	22.137 ug/L	100
23) Bromochloromethane	4.30	128	8337	9.308 ug/L	97
25) Chloroform	4.43	83	31704	9.441 ug/L	99
27) 1,2-Dichloroethane	5.19	62	25945	9.297 ug/L	99
29) Cyclohexane	4.73	56	31086	9.603 ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	27550	9.576 ug/L	99
31) Carbon tetrachloride	4.88	117	22898	9.370 ug/L	99
33) Benzene	5.15	78	70442	9.704 ug/L	100
34) Trichloroethene	5.96	95	17414	9.366 ug/L	97
35) Methylcyclohexane	6.18	83	29302	9.254 ug/L	96
37) 1,2-Dichloropropane	6.23	63	19416	9.668 ug/L	98
38) Bromodichloromethane	6.56	83	23478	9.195 ug/L	98
39) cis-1,3-Dichloropropene	7.07	75	29551	9.379 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	56766	19.081 ug/L	99

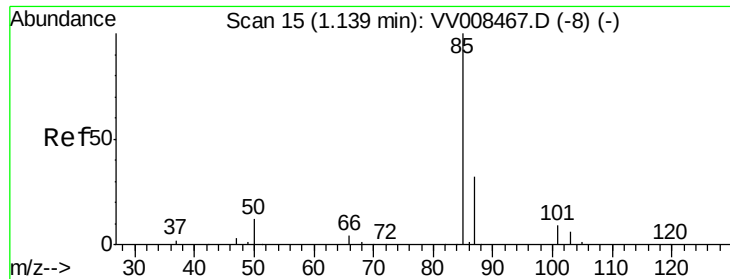
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103118\
 Data File : VV008494.D
 Acq On : 31 Oct 2018 14:45
 Operator : SY/MD
 Sample : VSTD01052
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01054

Quant Time: Oct 31 23:53:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM103118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 31 23:42:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	72099	9.589	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	27418	9.290	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	16944	9.584	ug/L	94
46) Tetrachloroethene	8.02	164	11873	9.730	ug/L	92
48) 2-Hexanone	8.19	43	45742	19.630	ug/L	98
49) Dibromochloromethane	8.29	129	17185	9.034	ug/L	99
50) 1,2-Dibromoethane	8.40	107	17594	9.486	ug/L	98
51) Chlorobenzene	8.93	112	44669	9.613	ug/L	99
52) Ethylbenzene	9.06	91	79328	9.399	ug/L	100
53) m,p-Xylene	9.19	106	29298	9.453	ug/L	96
54) o-xylene	9.59	106	29720	9.609	ug/L	99
55) Styrene	9.61	104	48822	9.378	ug/L	100
56) Isopropylbenzene	9.98	105	75213	9.297	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	29991	9.633	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	24740	9.798	ug/L	100
61) Bromoform	9.78	173	11469	9.087	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	31999	9.616	ug/L	98
63) 1,4-Dichlorobenzene	11.32	146	32408	9.734	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	31989	9.440	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	6146	8.896	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	19372	8.896	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	13142	7.515	ug/L	97
69) Naphthalene	13.56	128	38538	6.869	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	13965	7.972	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 10.493 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

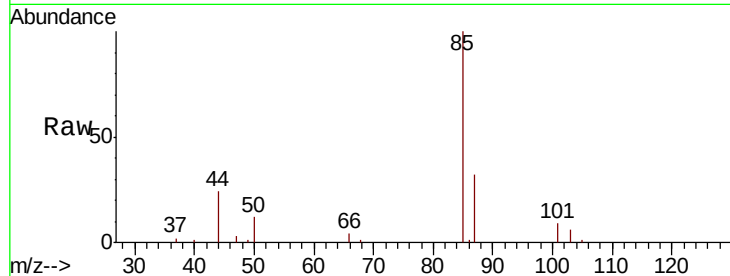
VSTD01054

Tgt Ion: 85 Resp: 18629

Ion Ratio Lower Upper

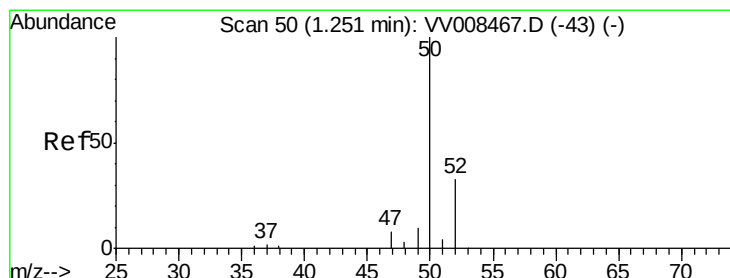
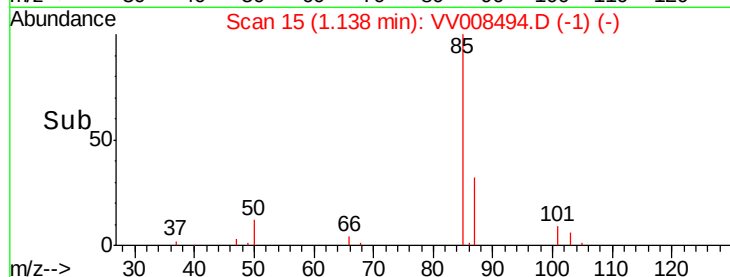
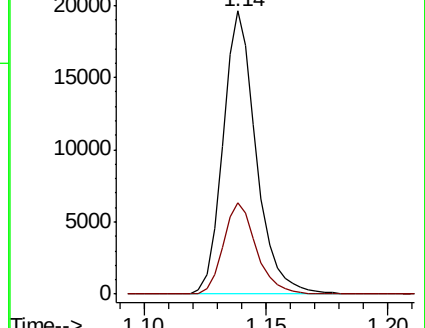
85 100

87 31.9 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV008467.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV008467.D (-8) (-)



#3

Chloromethane

Concen: 9.992 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008494.D

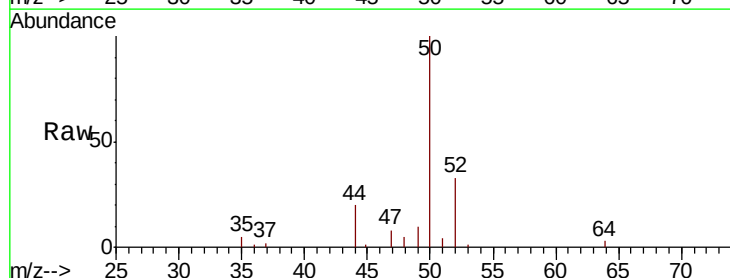
Acq: 31 Oct 2018 14:45

Tgt Ion: 50 Resp: 18779

Ion Ratio Lower Upper

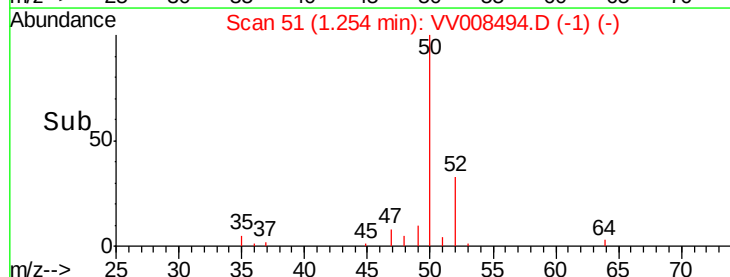
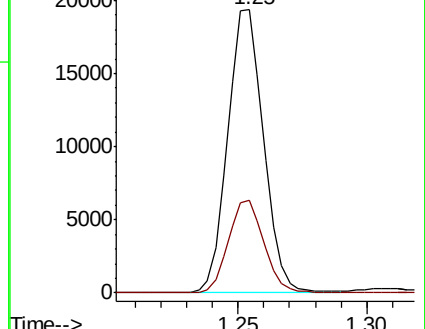
50 100

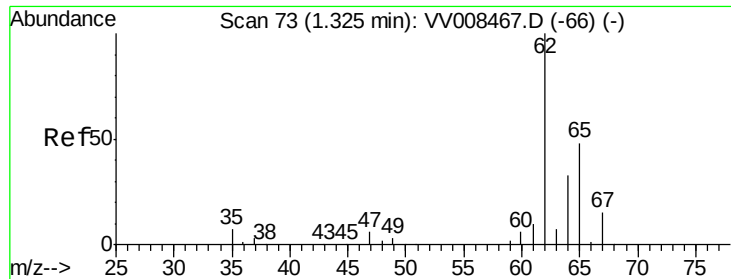
52 32.6 23.2 43.0



Abundance Ion 50.00 (49.70 to 50.70): VV008467.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV008467.D (-43) (-)





#5

Vinyl chloride

Concen: 9.906 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

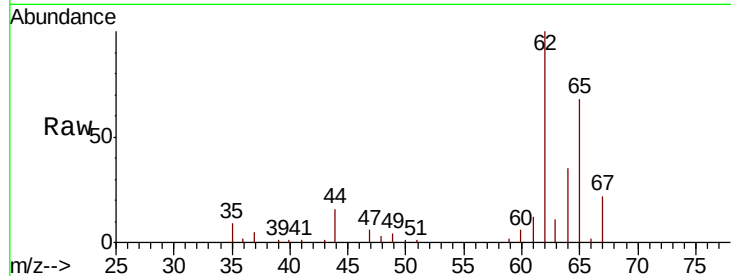
VSTD01054

Tgt Ion: 62 Resp: 17272

Ion Ratio Lower Upper

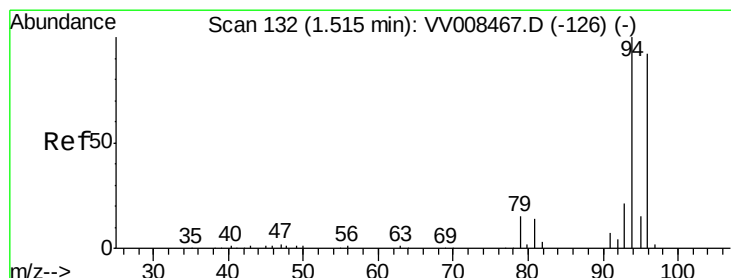
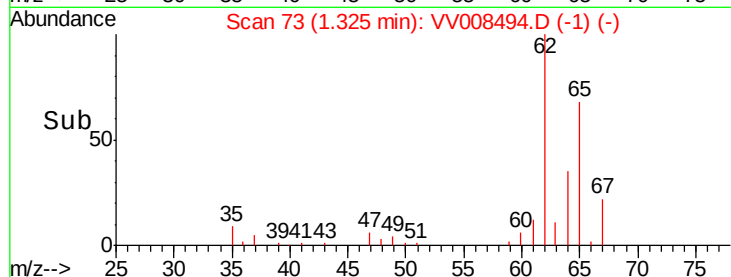
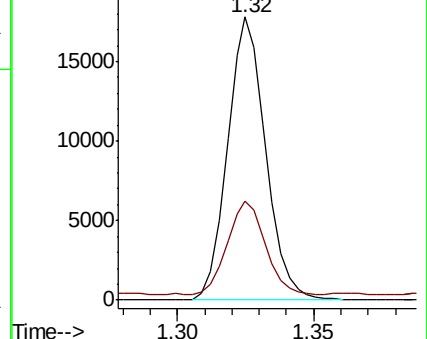
62 100

64 35.2 24.2 45.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 8.371 ug/L

RT: 1.51 min Scan# 132

Delta R.T. 0.00 min

Lab File: VV008494.D

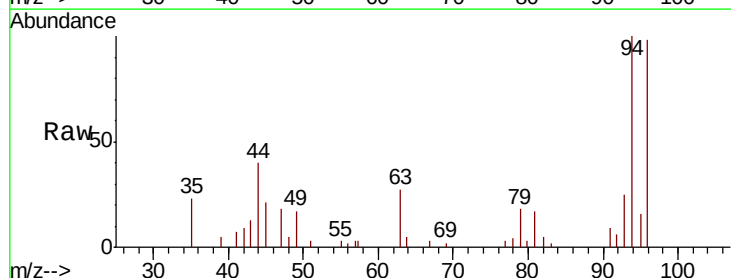
Acq: 31 Oct 2018 14:45

Tgt Ion: 94 Resp: 3954

Ion Ratio Lower Upper

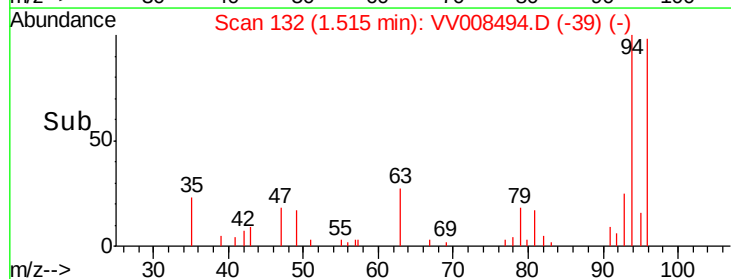
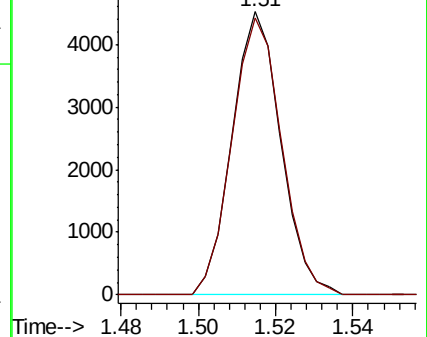
94 100

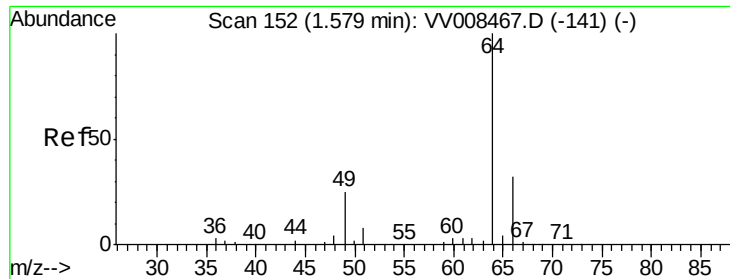
96 97.9 67.2 124.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 10.422 ug/L

RT: 1.58 min Scan# 152

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

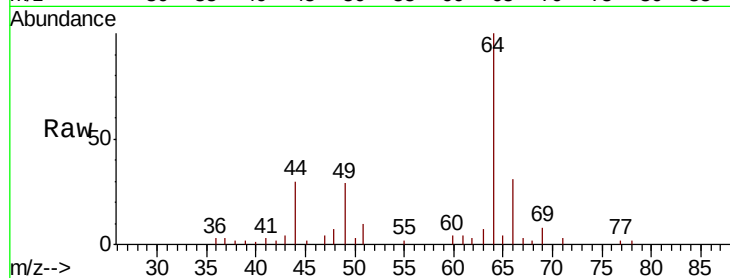
VSTD01054

Tgt Ion: 64 Resp: 9629

Ion Ratio Lower Upper

64 100

66 31.1 22.6 42.0



Abundance Ion 64.00 (63.70 to 64.70): VV008467.D (-141) (-)

Ion 66.00 (65.70 to 66.70): VV008467.D (-141) (-)

1.58

8000

6000

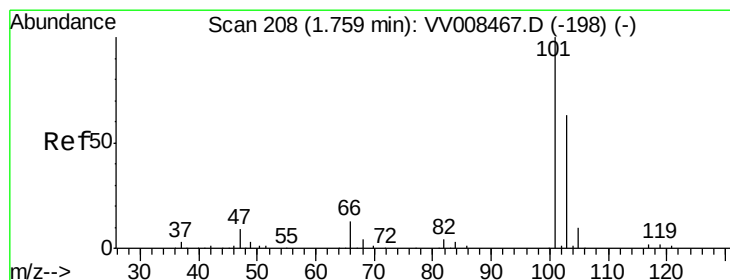
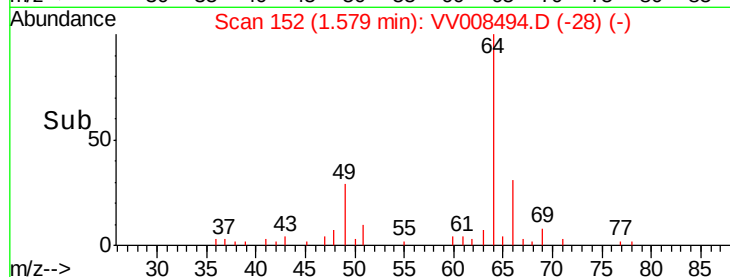
4000

2000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 9.565 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV008494.D

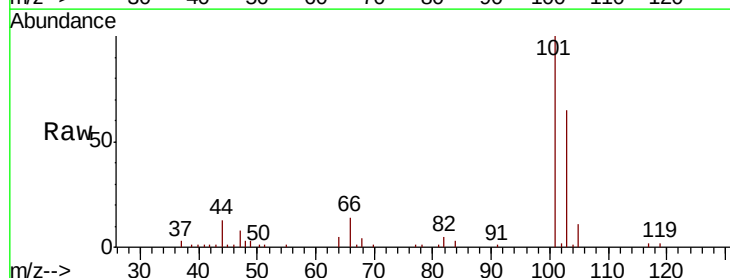
Acq: 31 Oct 2018 14:45

Tgt Ion: 101 Resp: 21204

Ion Ratio Lower Upper

101 100

103 65.1 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV008467.D (-198) (-)

1.76

15000

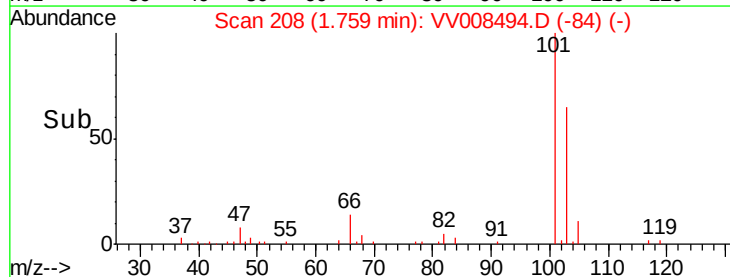
10000

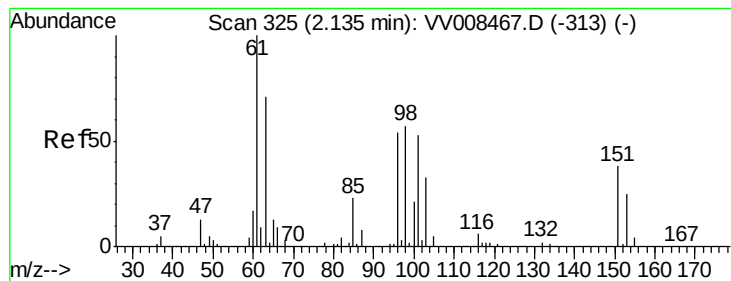
5000

0

1.70 1.75 1.80

Time-->





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 9.601 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD01054

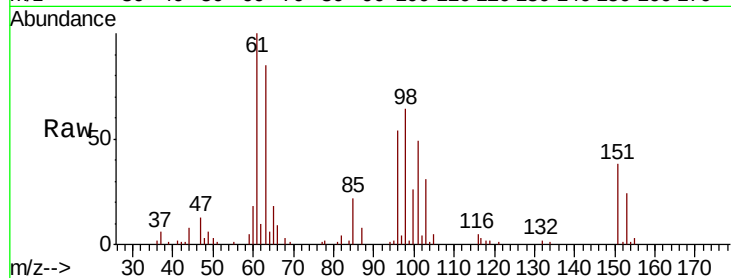
Tgt Ion:101 Resp: 11169

Ion Ratio Lower Upper

101 100

85 45.0 35.6 53.4

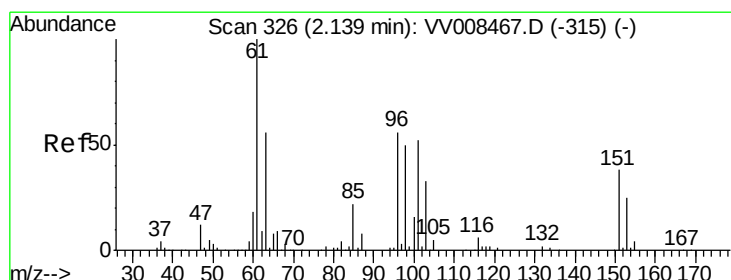
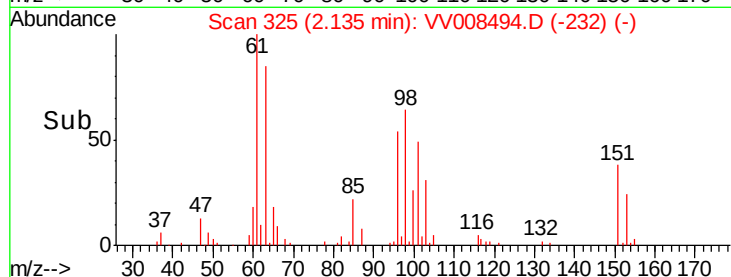
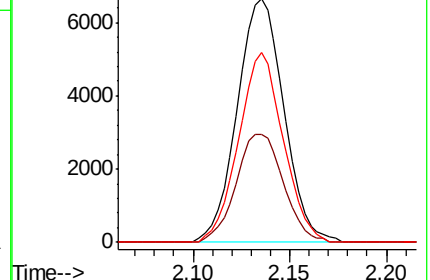
151 74.4 57.8 86.8



Abundance Ion 101.00 (100.70 to 101.70): VV008467.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV008467.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV008467.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 9.516 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

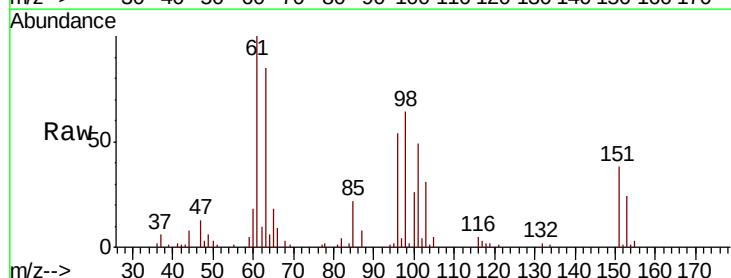
Tgt Ion: 96 Resp: 10429

Ion Ratio Lower Upper

96 100

61 185.2 129.8 241.2

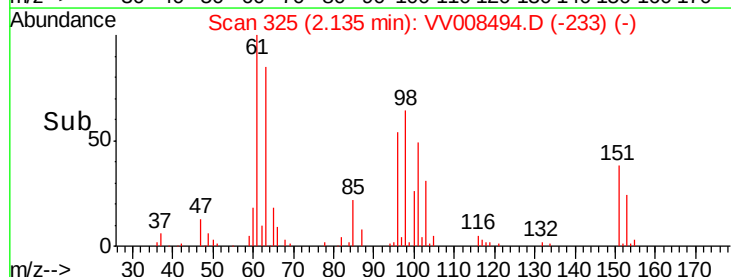
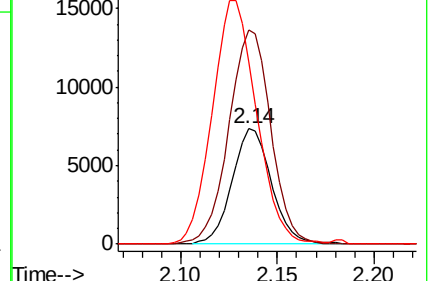
63 157.9 93.0 172.6

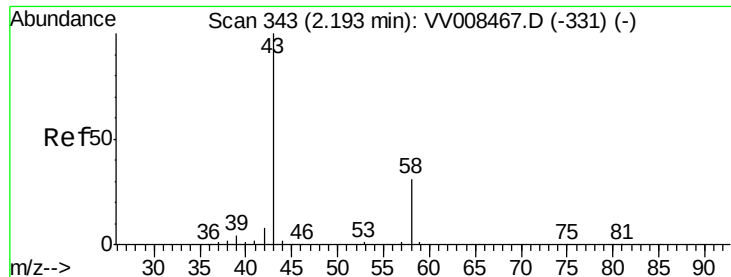


Abundance Ion 96.00 (95.70 to 96.70): VV008467.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV008467.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV008467.D (-315) (-)





#13

Acetone

Concen: 23.734 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

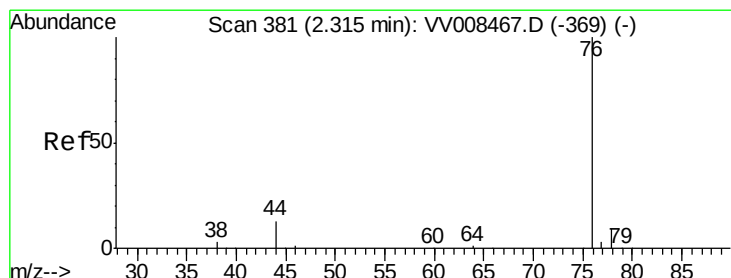
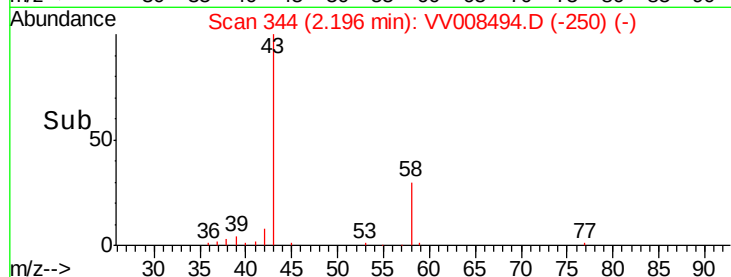
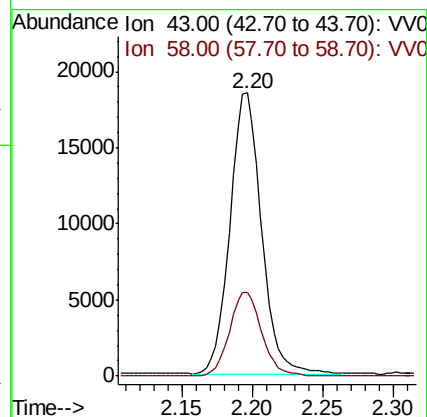
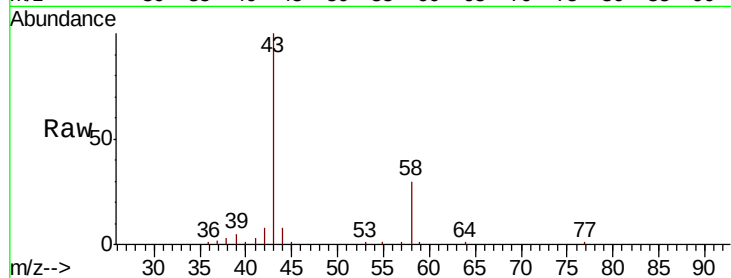
VSTD01054

Tgt Ion: 43 Resp: 28765

Ion Ratio Lower Upper

43 100

58 30.4 0.0 61.4



#14

Carbon disulfide

Concen: 9.835 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008494.D

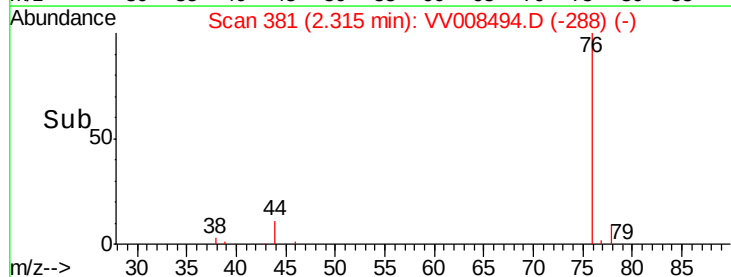
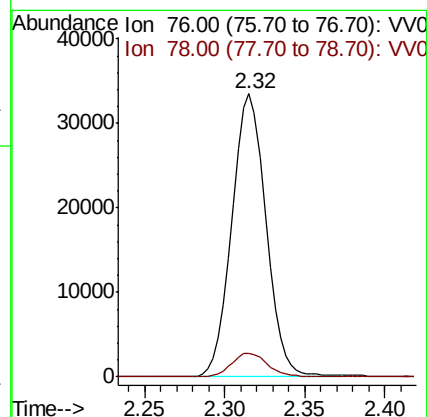
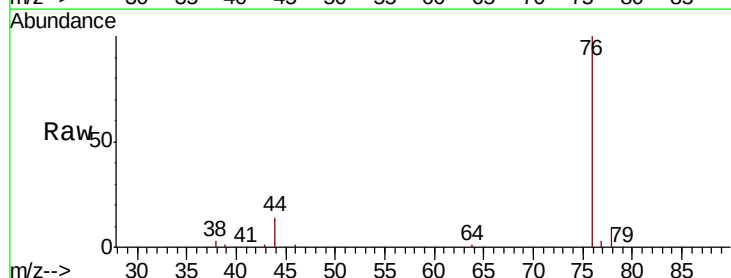
Acq: 31 Oct 2018 14:45

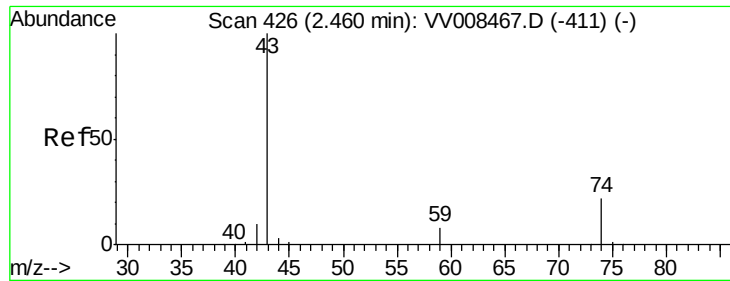
Tgt Ion: 76 Resp: 48805

Ion Ratio Lower Upper

76 100

78 8.5 7.4 11.0





#15

Methyl Acetate

Concen: 9.633 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

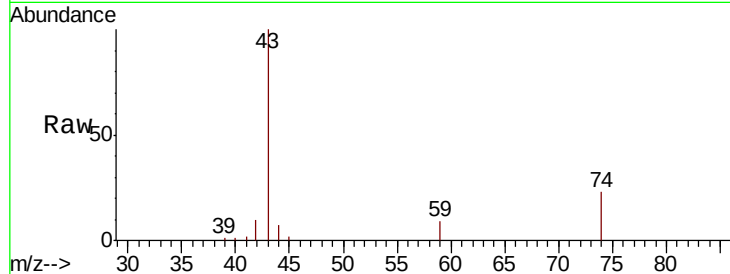
VSTD01054

Tgt Ion: 43 Resp: 21800

Ion Ratio Lower Upper

43 100

74 22.2 17.8 26.6



Abundance Ion 43.00 (42.70 to 43.70): VV008467.D (-411) (-)

Ion 74.00 (73.70 to 74.70): VV008467.D (-411) (-)

2.46

15000

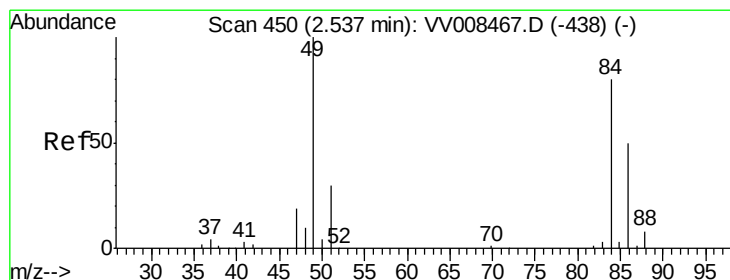
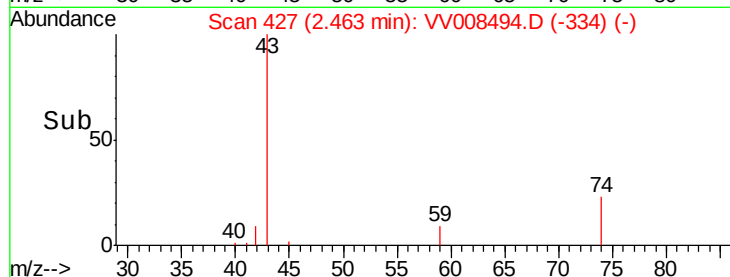
10000

5000

0

Time-->

2.40 2.45 2.50 2.55



#16

Methylene chloride

Concen: 9.474 ug/L

RT: 2.54 min Scan# 450

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

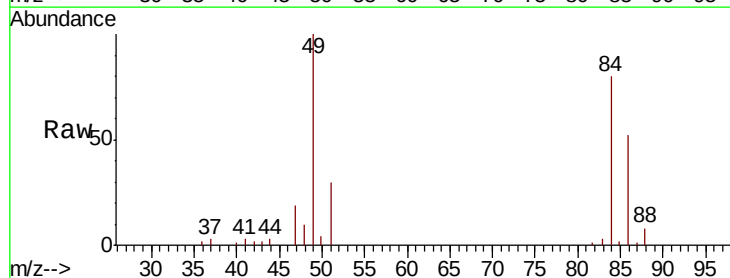
Tgt Ion: 84 Resp: 18045

Ion Ratio Lower Upper

84 100

86 65.1 42.8 79.4

49 125.4 87.5 162.5



Abundance Ion 84.00 (83.70 to 84.70): VV008467.D (-438) (-)

Ion 86.00 (85.70 to 86.70): VV008467.D (-438) (-)

Ion 49.00 (48.70 to 49.70): VV008467.D (-438) (-)

2.54

15000

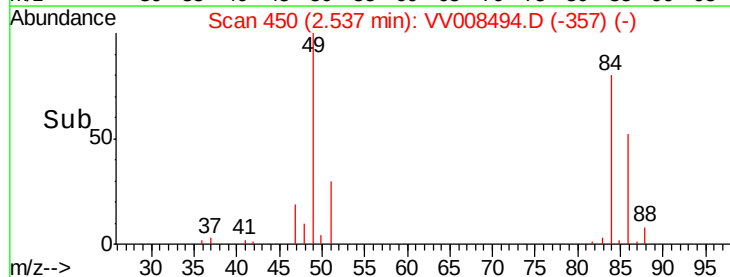
10000

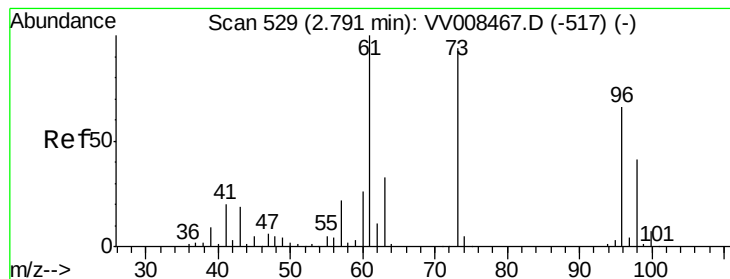
5000

0

Time-->

2.50 2.55 2.60





#17

trans-1,2-Dichloroethene

Concen: 9.460 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD01054

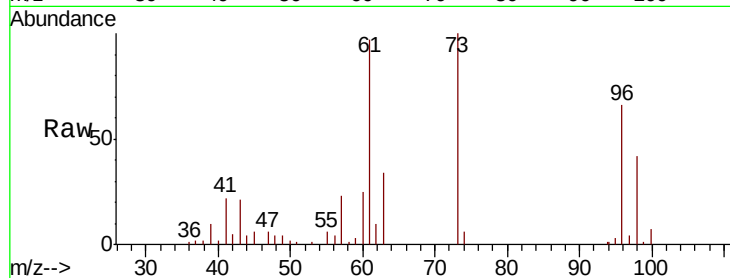
Tgt Ion: 96 Resp: 15819

Ion Ratio Lower Upper

96 100

61 147.9 105.5 195.9

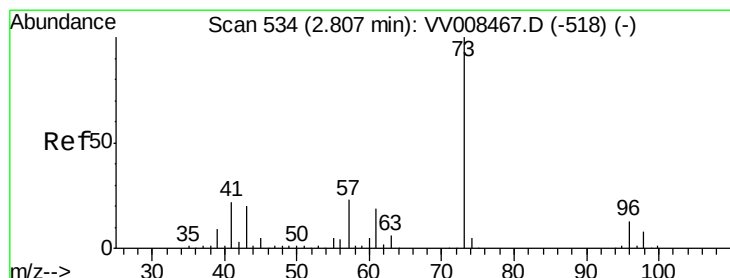
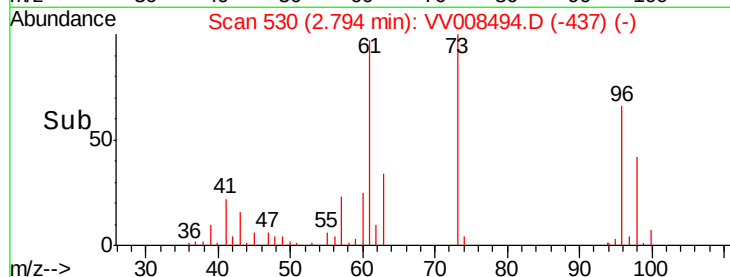
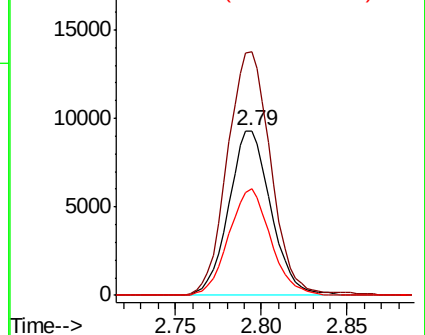
98 64.7 44.8 83.2



Abundance Ion 96.00 (95.70 to 96.70): VV008494.D (-437) (-)

Ion 61.00 (60.70 to 61.70): VV008494.D (-437) (-)

Ion 98.00 (97.70 to 98.70): VV008494.D (-437) (-)



#18

Methyl tert-butyl Ether

Concen: 9.589 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

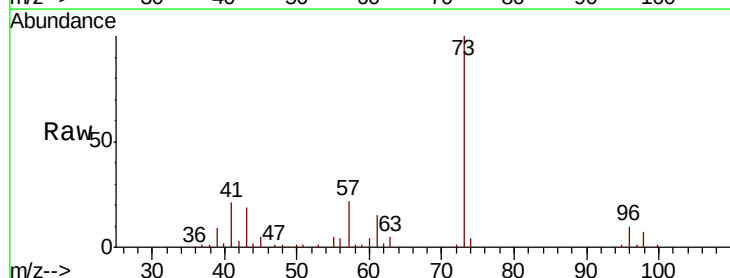
Tgt Ion: 73 Resp: 57170

Ion Ratio Lower Upper

73 100

43 19.9 15.6 23.4

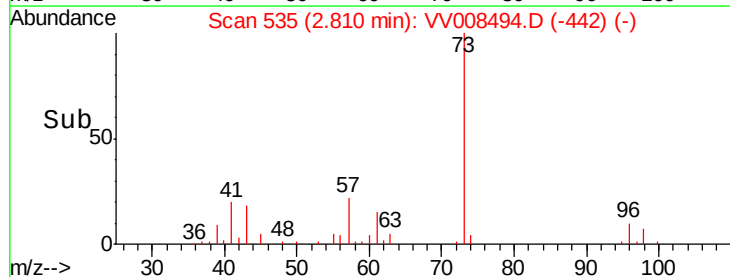
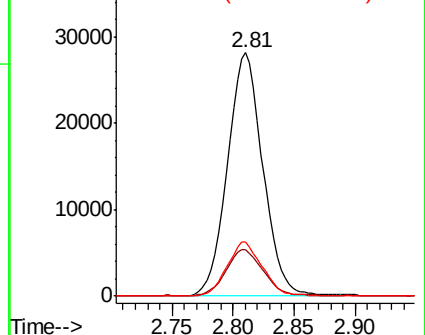
57 22.0 18.0 27.0

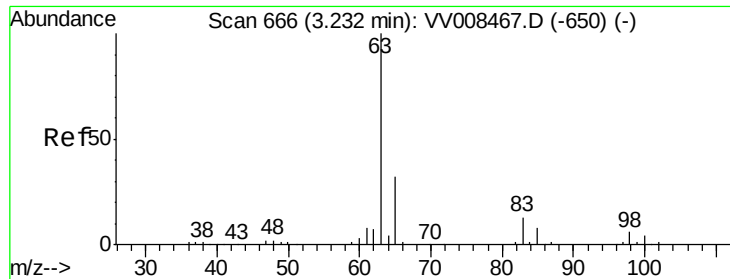


Abundance Ion 73.00 (72.70 to 73.70): VV008494.D (-442) (-)

Ion 43.00 (42.70 to 43.70): VV008494.D (-442) (-)

Ion 57.00 (56.70 to 57.70): VV008494.D (-442) (-)

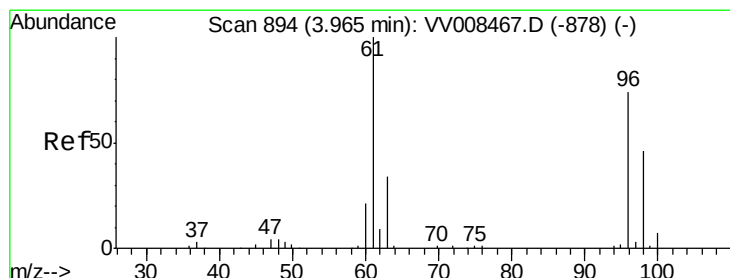
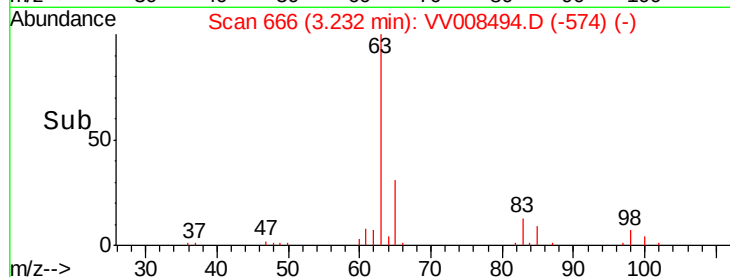
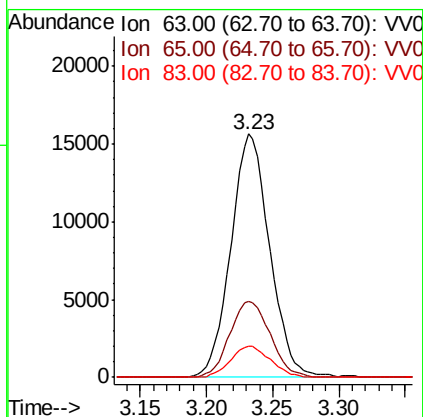
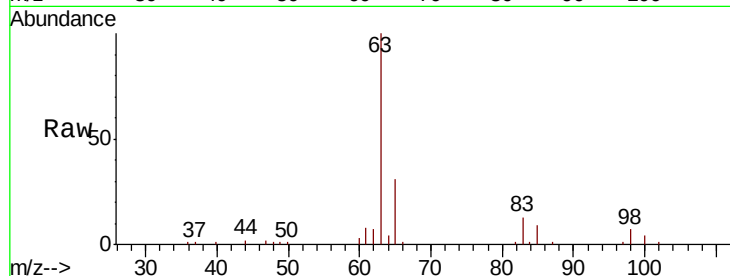




#19
 1,1-Dichloroethane
 Concen: 9.268 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

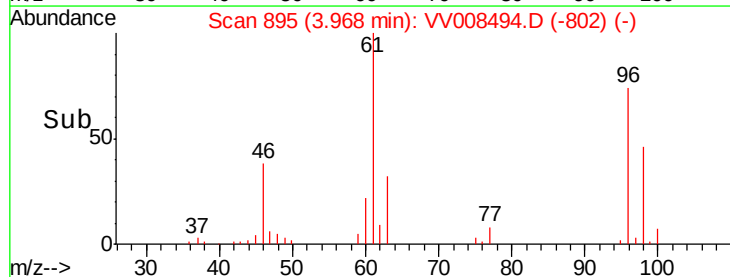
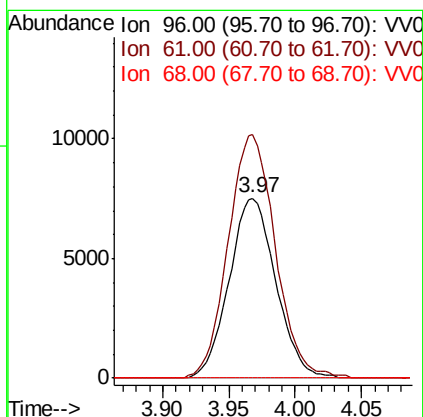
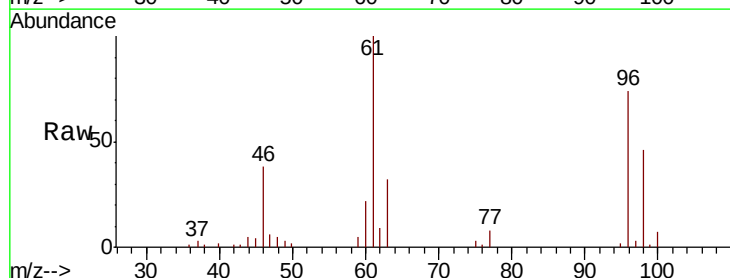
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01054

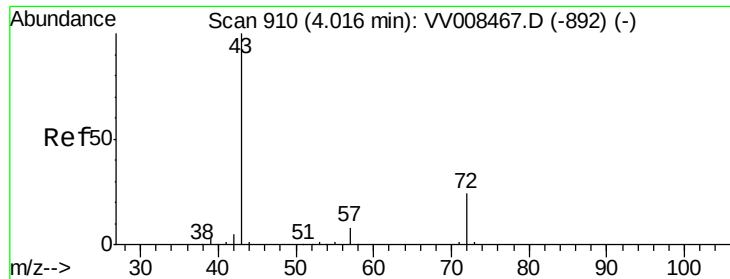
Tgt Ion: 63 Resp: 31833
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.3 41.5
 83 12.7 9.0 16.6



#20
 cis-1,2-Dichloroethene
 Concen: 9.641 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

Tgt Ion: 96 Resp: 18366
 Ion Ratio Lower Upper
 96 100
 61 135.4 96.3 178.9
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 22.137 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

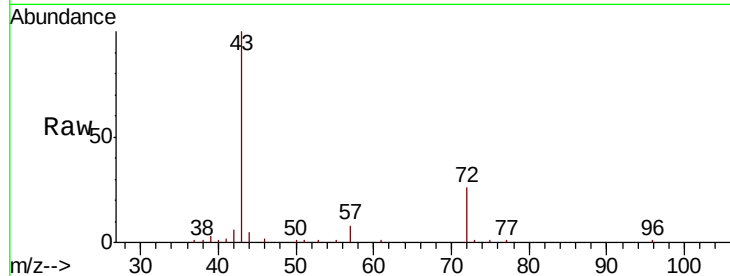
VSTD01054

Tgt Ion: 43 Resp: 37598

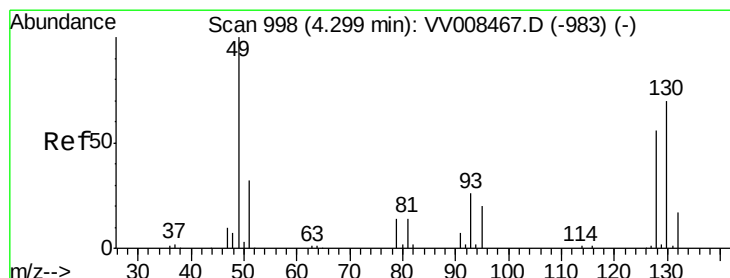
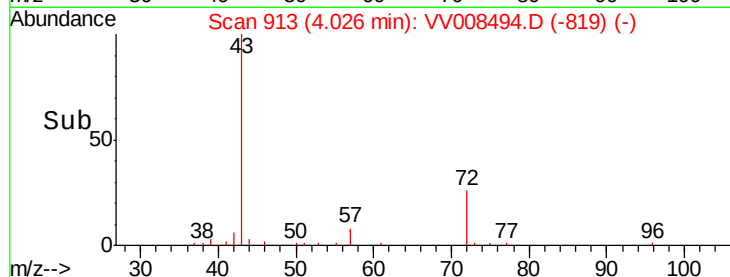
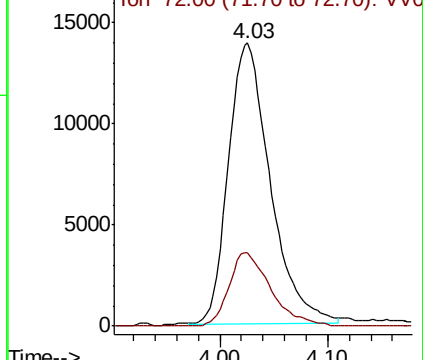
Ion Ratio Lower Upper

43 100

72 26.1 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008494.D (-819) (-)



#23

Bromochloromethane

Concen: 9.308 ug/L

RT: 4.30 min Scan# 999

Delta R.T. -0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Tgt Ion: 128 Resp: 8337

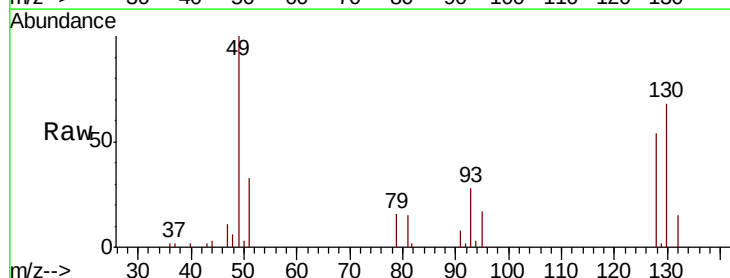
Ion Ratio Lower Upper

128 100

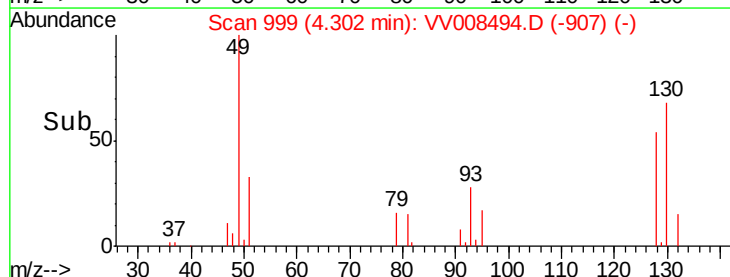
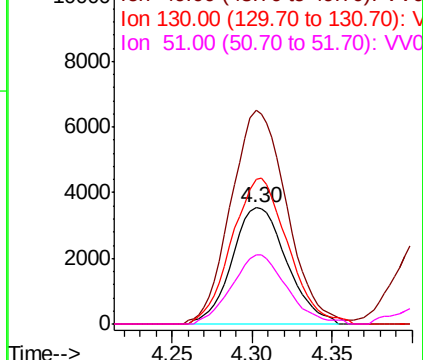
49 183.6 129.4 240.4

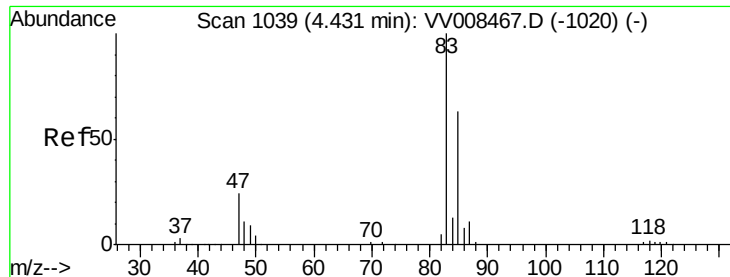
130 124.4 92.1 171.1

51 59.8 47.4 71.2



Abundance Ion 128.00 (127.70 to 128.70): VV008494.D (-907) (-)

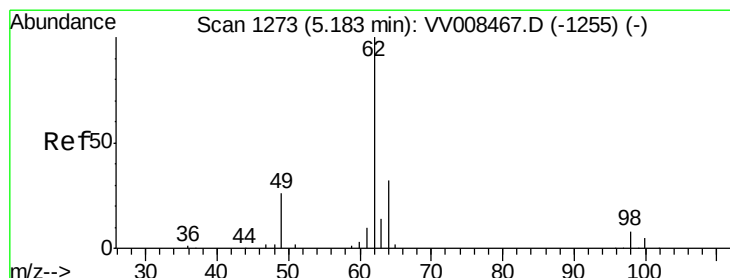
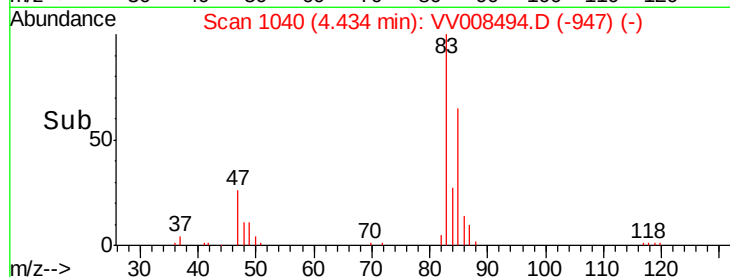
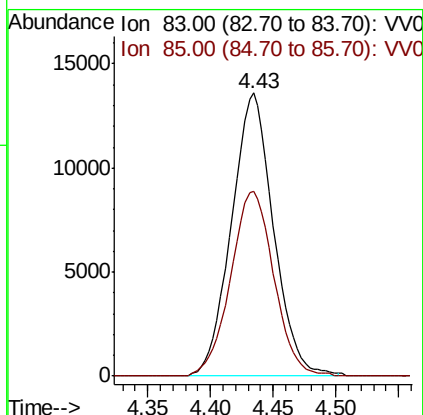
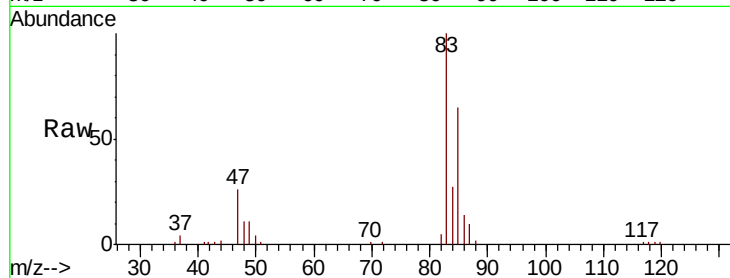




#25
Chloroform
Concen: 9.441 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008494.D
Acq: 31 Oct 2018 14:45

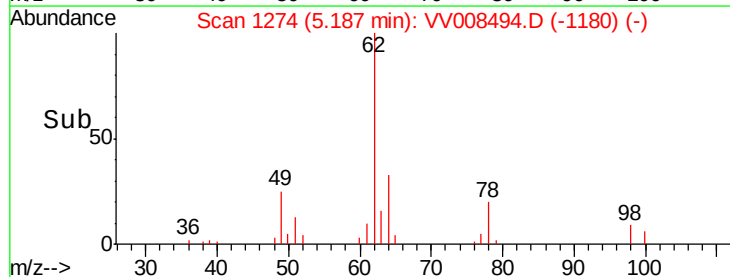
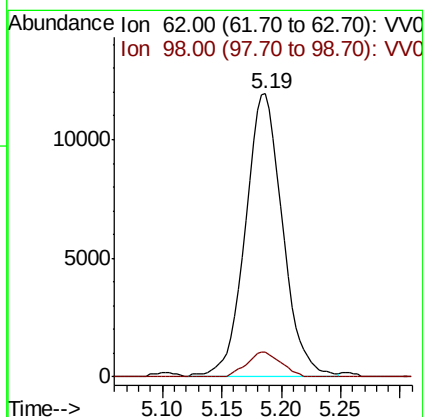
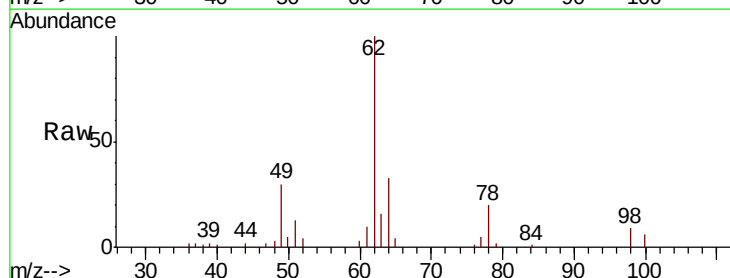
Instrument :
MSVOA_V
ClientSampleId :
VSTD01054

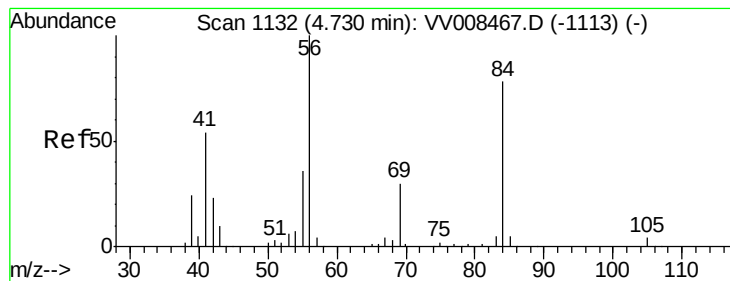
Tgt Ion: 83 Resp: 31704
Ion Ratio Lower Upper
83 100
85 65.2 45.9 85.3



#27
1,2-Dichloroethane
Concen: 9.297 ug/L
RT: 5.19 min Scan# 1274
Delta R.T. 0.00 min
Lab File: VV008494.D
Acq: 31 Oct 2018 14:45

Tgt Ion: 62 Resp: 25945
Ion Ratio Lower Upper
62 100
98 8.8 6.8 10.2





#29

Cyclohexane

Concen: 9.603 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD01054

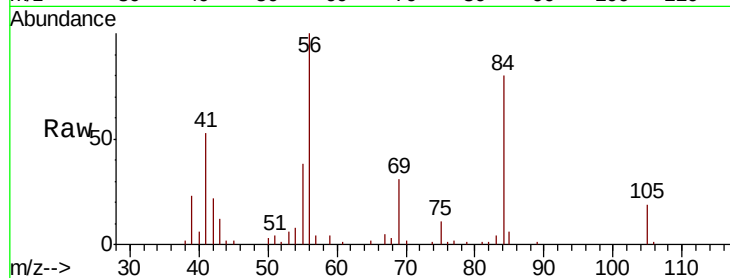
Tgt Ion: 56 Resp: 31086

Ion Ratio Lower Upper

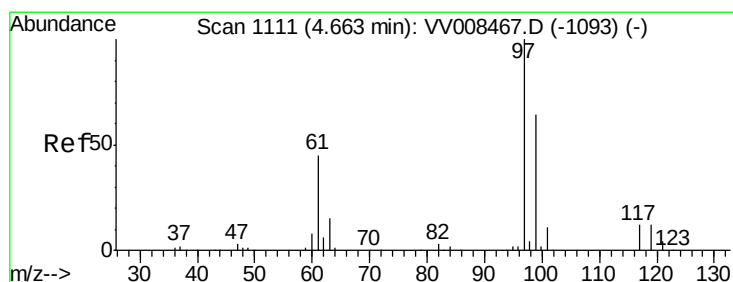
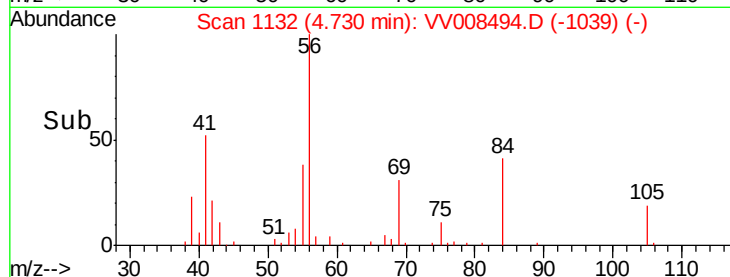
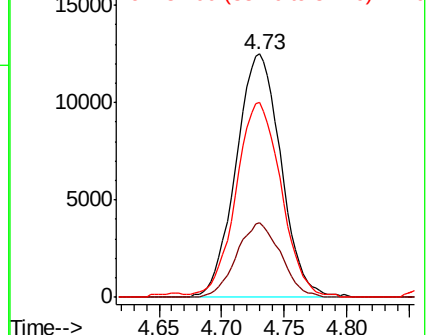
56 100

69 30.2 24.2 36.2

84 78.8 65.6 98.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 9.576 ug/L

RT: 4.66 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

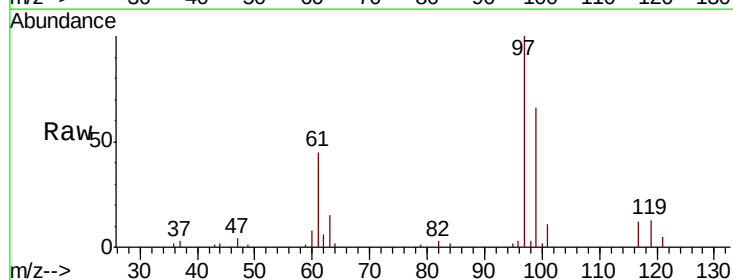
Tgt Ion: 97 Resp: 27550

Ion Ratio Lower Upper

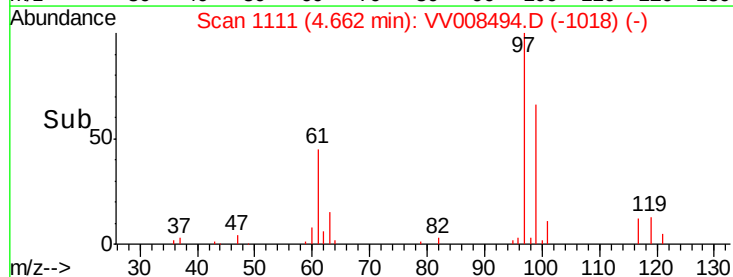
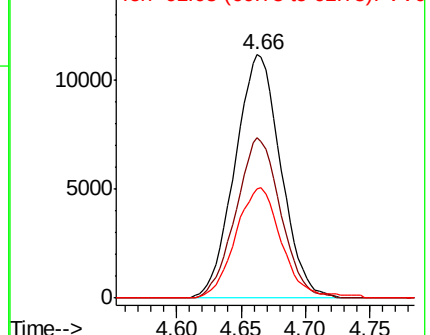
97 100

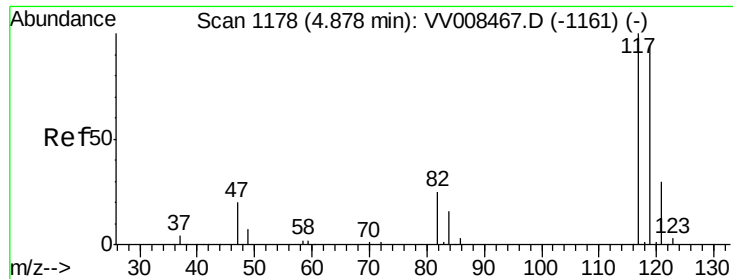
99 64.2 51.8 77.6

61 44.9 36.2 54.2



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 9.370 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

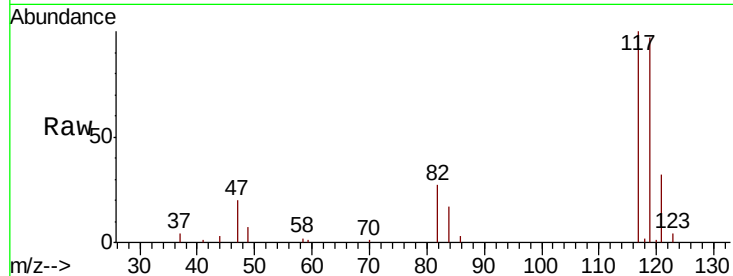
VSTD01054

Tgt Ion:117 Resp: 22898

Ion Ratio Lower Upper

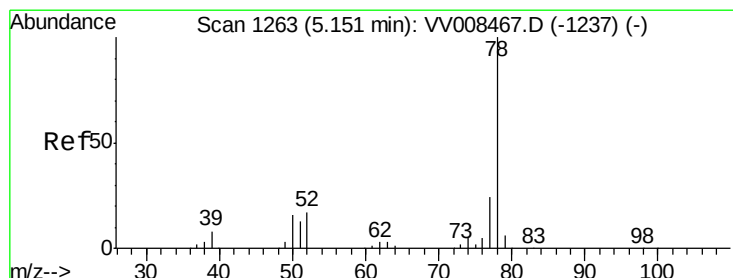
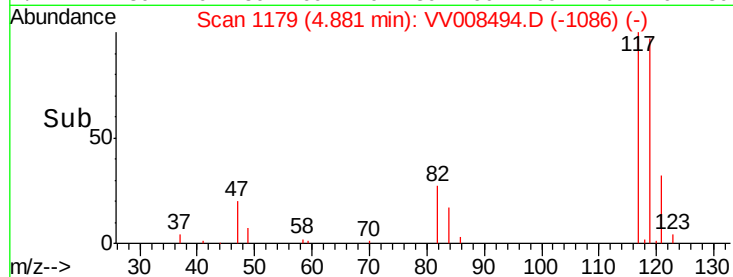
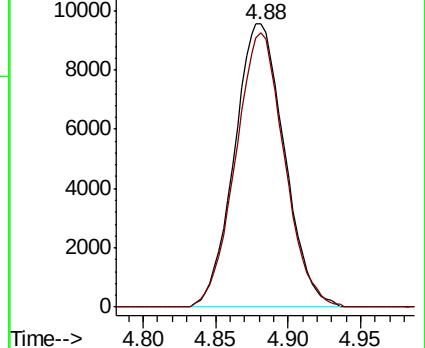
117 100

119 94.5 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 9.704 ug/L

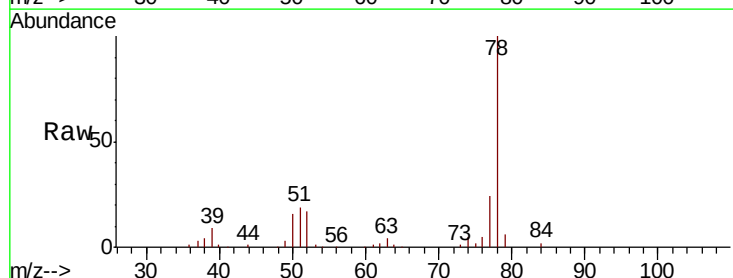
RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

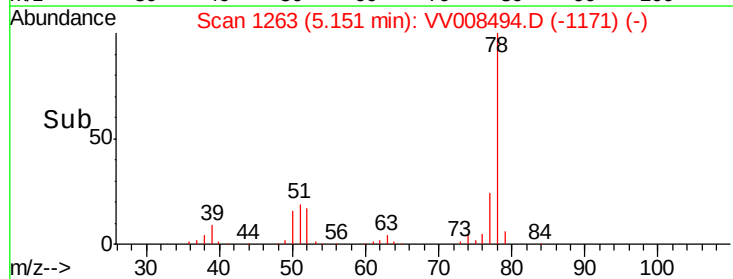
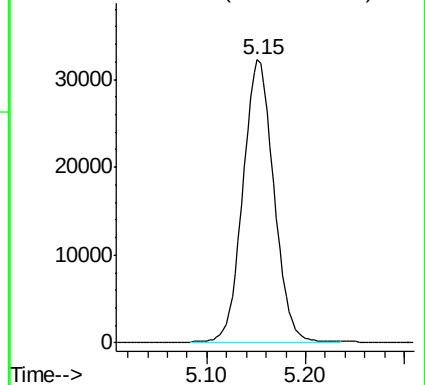
Lab File: VV008494.D

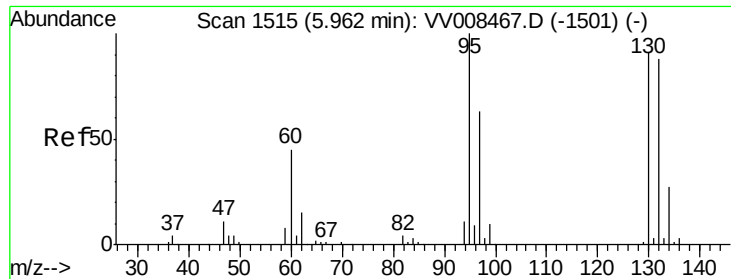
Acq: 31 Oct 2018 14:45

Tgt Ion: 78 Resp: 70442



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 9.366 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD01054

Tgt Ion: 95 Resp: 17414

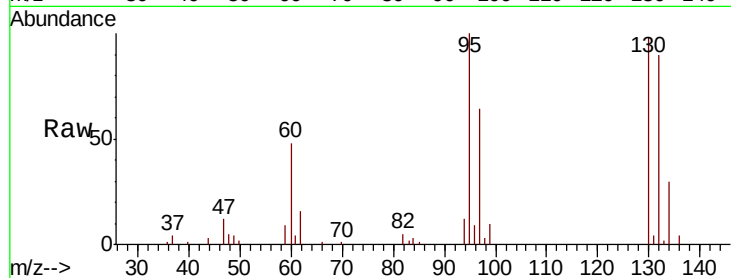
Ion Ratio Lower Upper

95 100

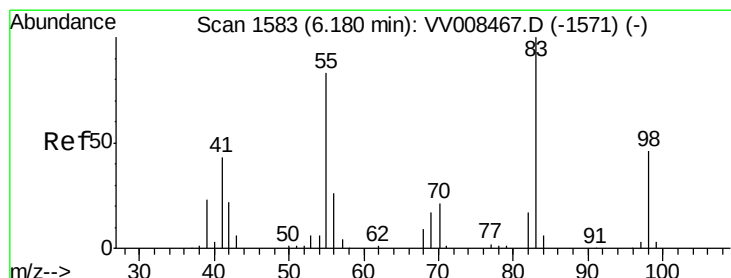
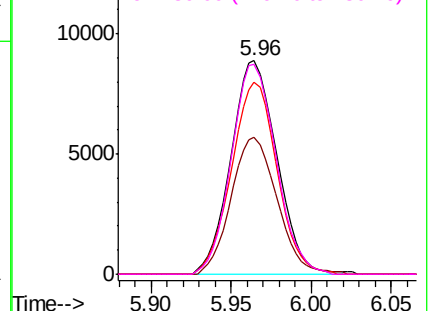
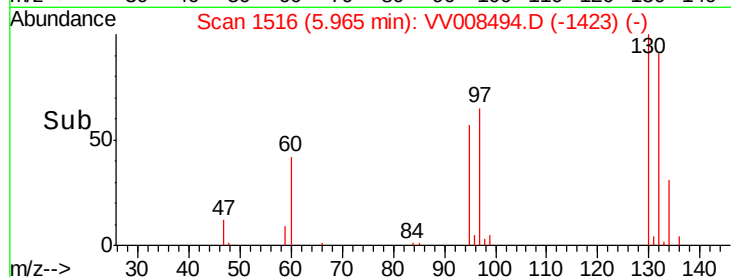
97 64.0 45.3 84.1

132 89.8 62.8 116.6

130 98.3 64.3 119.5



Abundance Ion 95.00 (94.70 to 95.70): VV008494.D (-1423) (-)



#35

Methylcyclohexane

Concen: 9.254 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

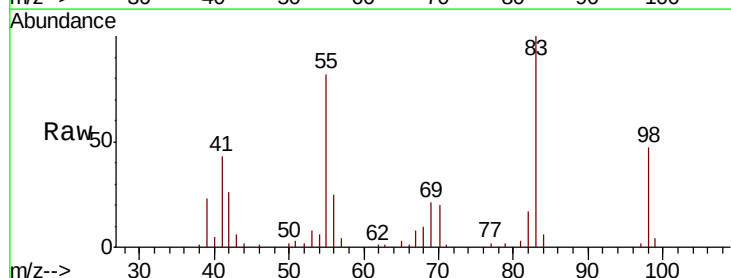
Tgt Ion: 83 Resp: 29302

Ion Ratio Lower Upper

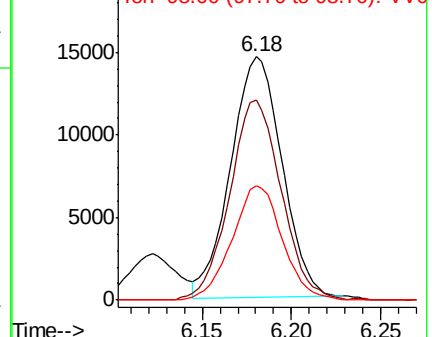
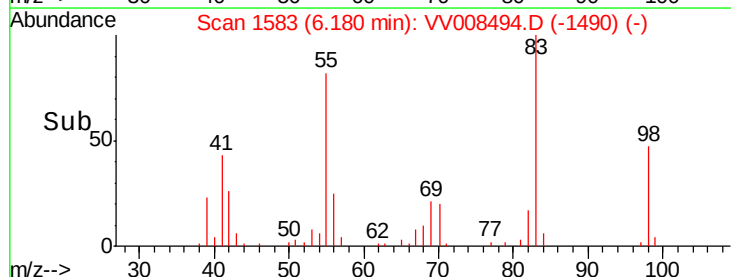
83 100

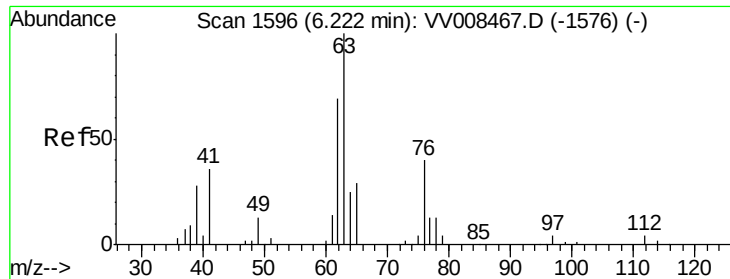
55 83.4 63.8 95.8

98 46.5 35.9 53.9



Abundance Ion 83.00 (82.70 to 83.70): VV008494.D (-1490) (-)

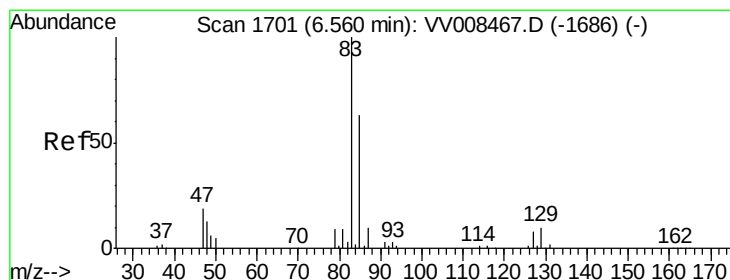
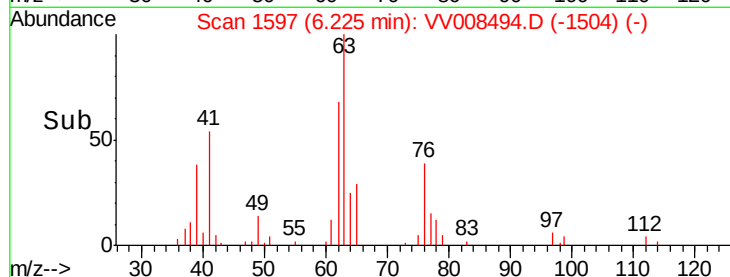
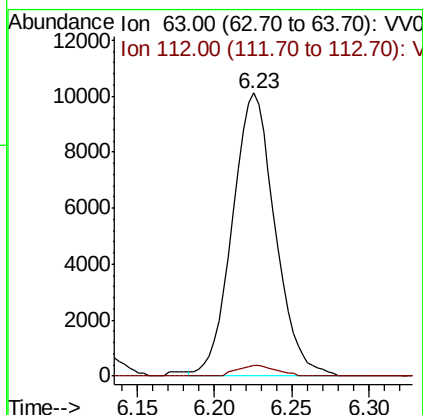
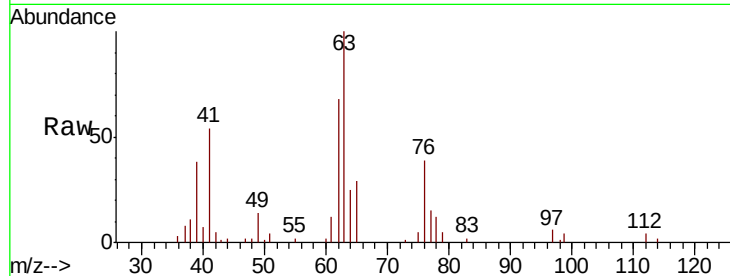




#37
 1,2-Dichloropropane
 Concen: 9.668 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. -0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

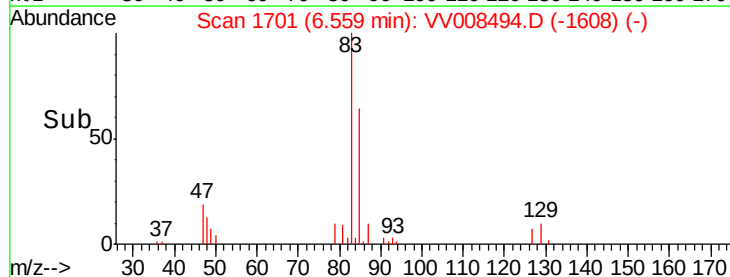
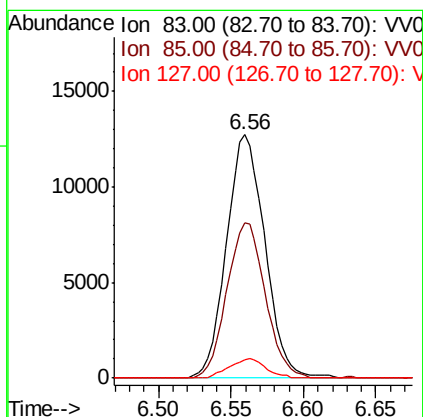
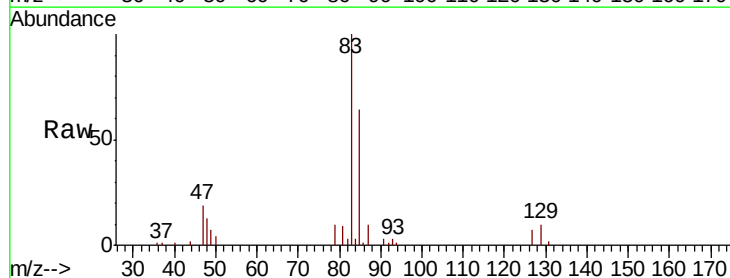
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01054

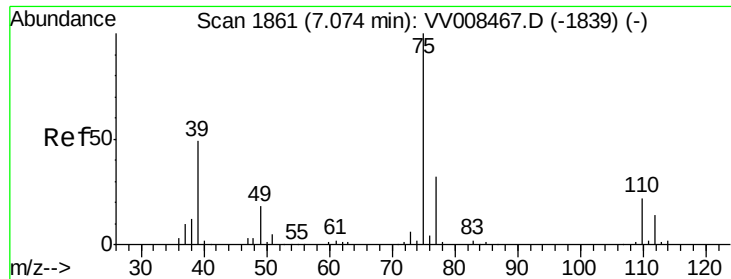
Tgt Ion: 63 Resp: 19416
 Ion Ratio Lower Upper
 63 100
 112 3.4 3.1 4.7



#38
 Bromodichloromethane
 Concen: 9.195 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

Tgt Ion: 83 Resp: 23478
 Ion Ratio Lower Upper
 83 100
 85 63.7 43.3 80.5
 127 7.5 6.1 9.1

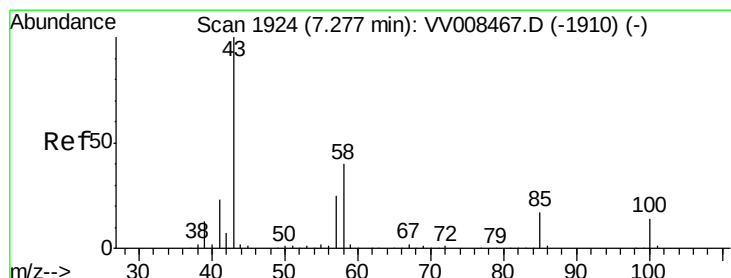
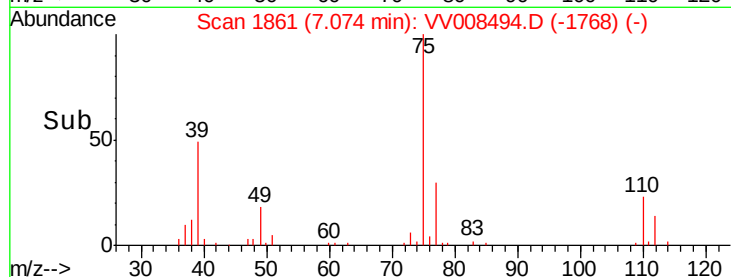
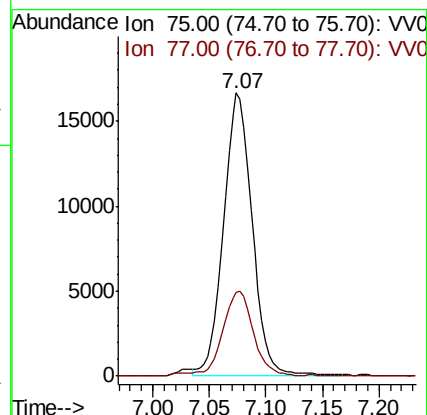
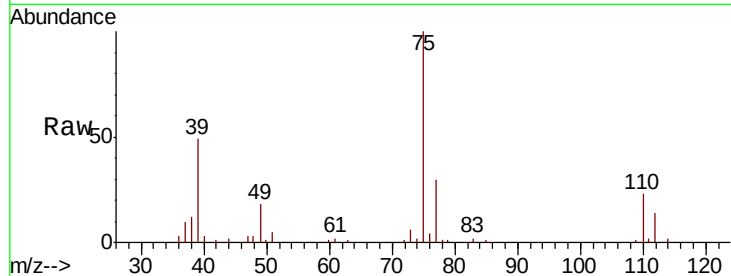




#39
 cis-1,3-Dichloropropene
 Concen: 9.379 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

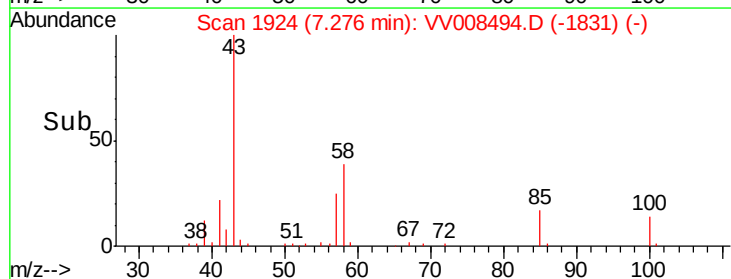
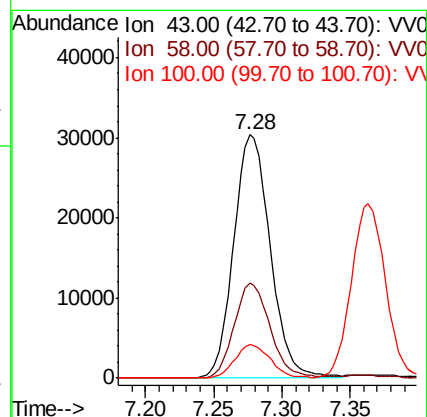
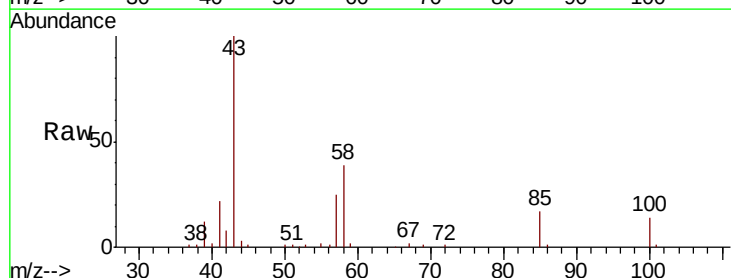
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01054

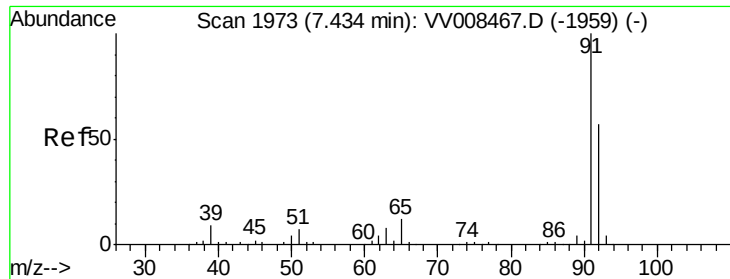
Tgt Ion: 75 Resp: 29551
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.1 41.1



#40
 4-Methyl-2-pentanone
 Concen: 19.081 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

Tgt Ion: 43 Resp: 56766
 Ion Ratio Lower Upper
 43 100
 58 38.1 30.8 46.2
 100 13.3 11.0 16.6





#42

Toluene

Concen: 9.589 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

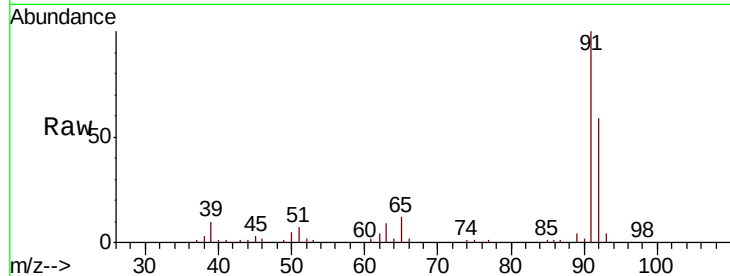
VSTD01054

Tgt Ion: 91 Resp: 72099

Ion Ratio Lower Upper

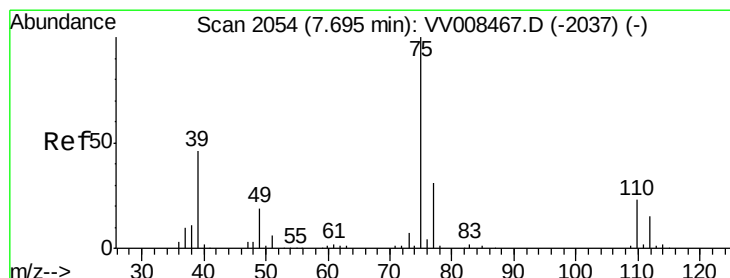
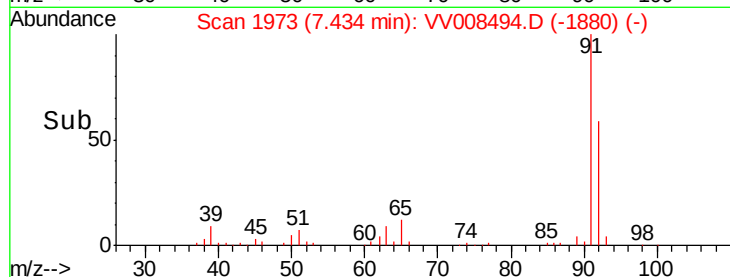
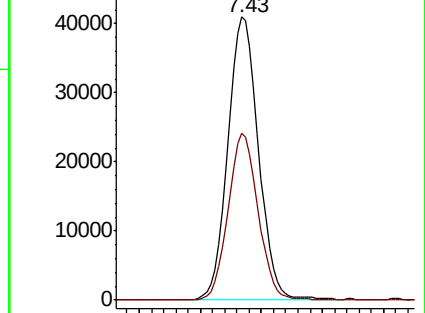
91 100

92 58.9 40.0 74.2



Abundance Ion 91.00 (90.70 to 91.70): VV008467.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008467.D (-1959) (-)



#44

trans-1,3-Dichloropropene

Concen: 9.290 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008494.D

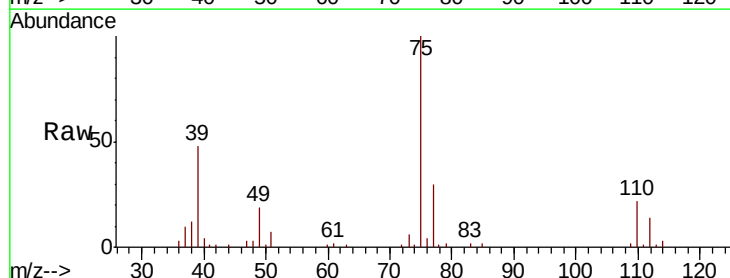
Acq: 31 Oct 2018 14:45

Tgt Ion: 75 Resp: 27418

Ion Ratio Lower Upper

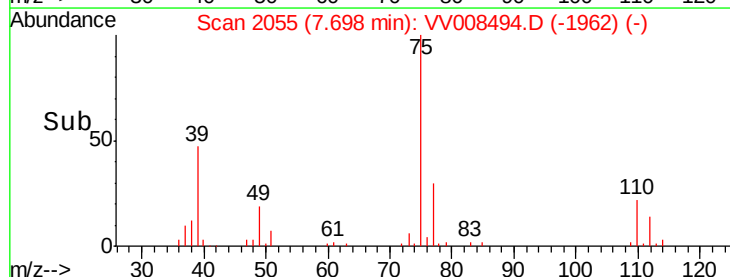
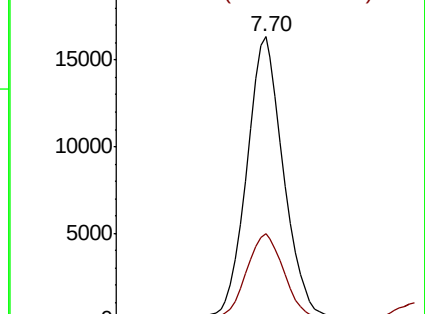
75 100

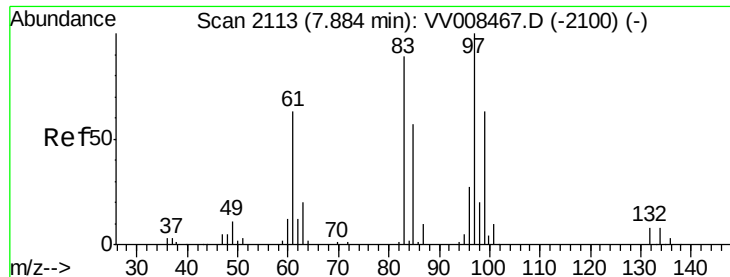
77 30.3 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV008467.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008467.D (-2037) (-)

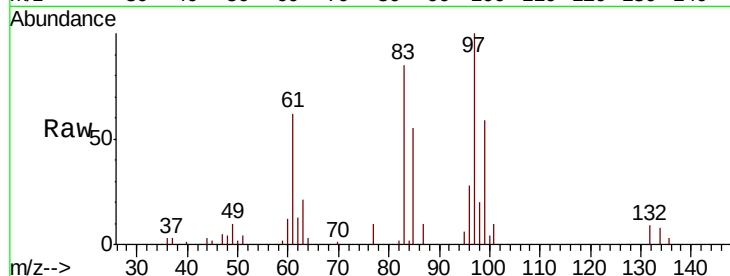




#45
 1,1,2-Trichloroethane
 Concen: 9.584 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01054

Tgt Ion:	97	Resp:	16944
Ion	Ratio	Lower	Upper
97	100		
99	59.5	44.7	83.1
83	85.3	63.6	118.0
85	54.6	40.9	75.9



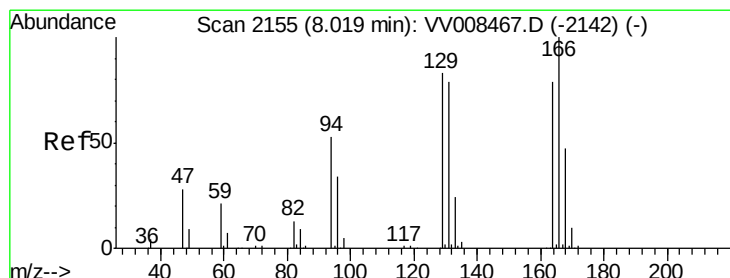
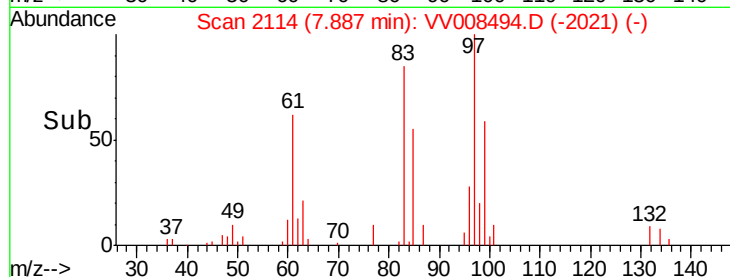
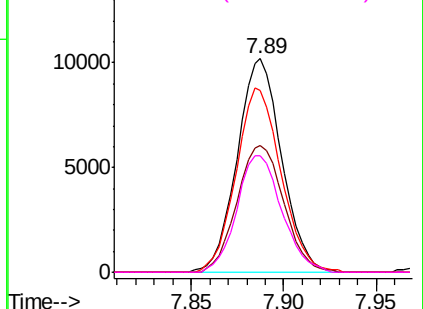
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

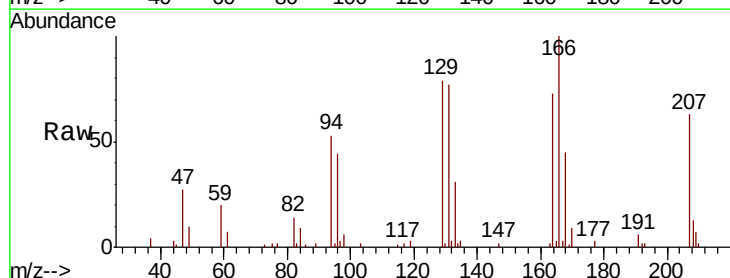
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 9.730 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

Tgt Ion:	164	Resp:	11873
Ion	Ratio	Lower	Upper
164	100		
129	108.4	72.0	133.6
131	105.1	68.8	127.8
166	136.5	86.5	160.7



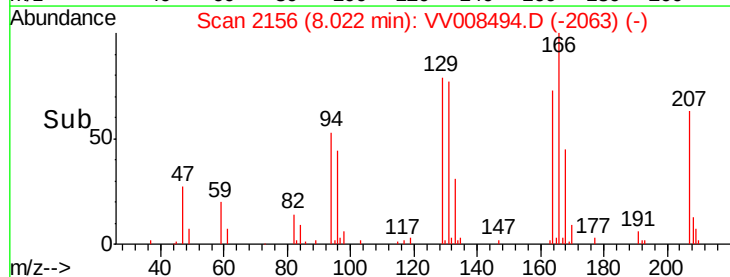
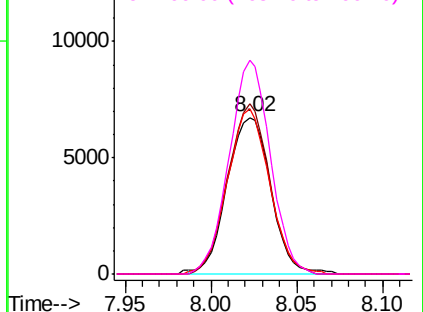
Abundance

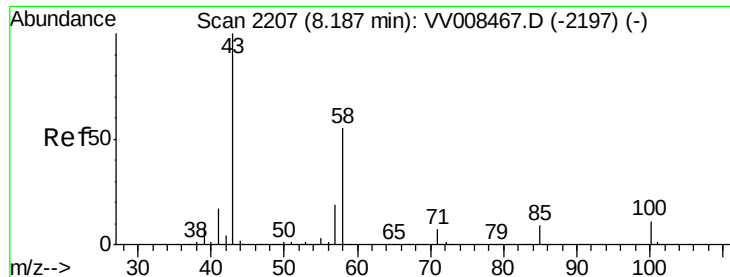
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

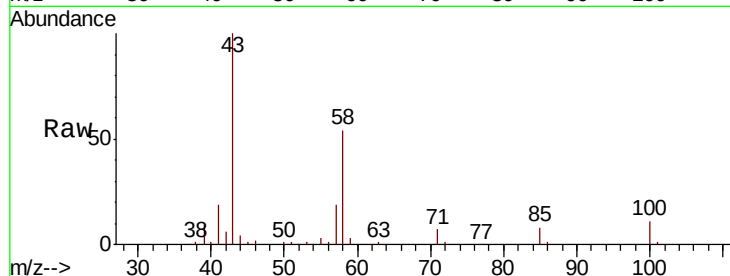




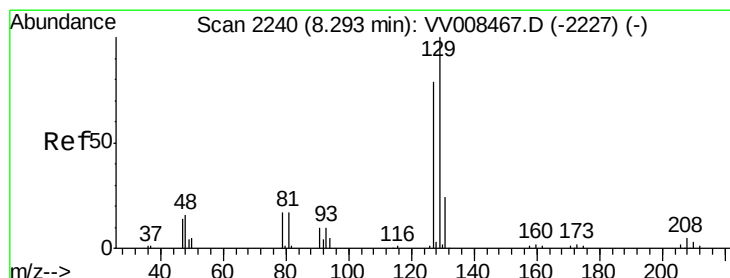
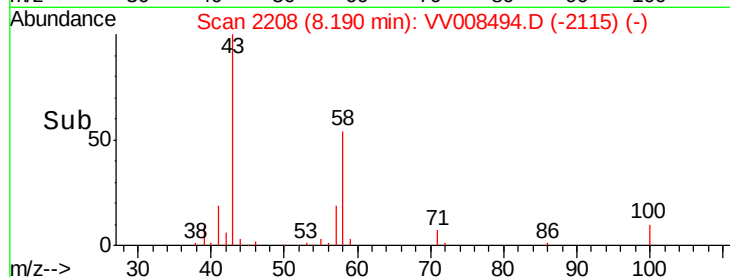
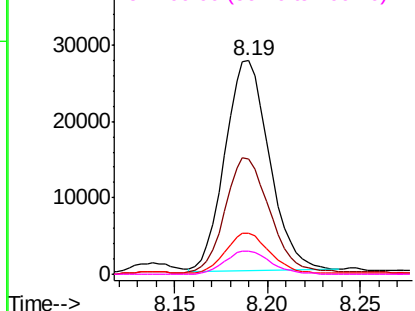
#48
2-Hexanone
Concen: 19.630 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV008494.D
Acq: 31 Oct 2018 14:45

Instrument :
MSVOA_V
ClientSampleId :
VSTD01054

Tgt Ion:	43	Resp:	45742
Ion	Ratio	Lower	Upper
43	100		
58	55.8	43.6	65.4
57	19.6	15.0	22.6
100	11.5	8.3	12.5

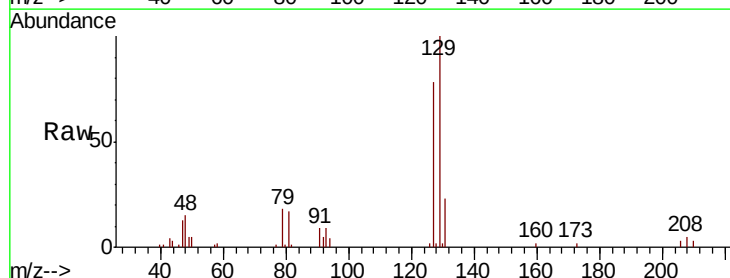


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

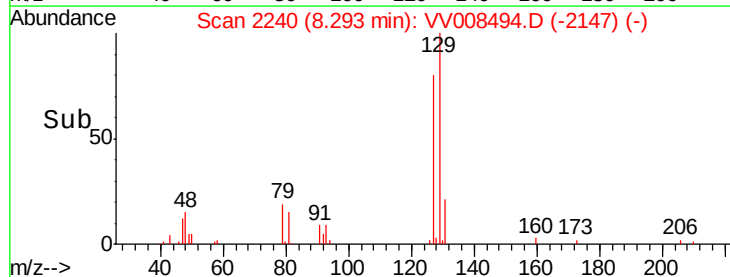
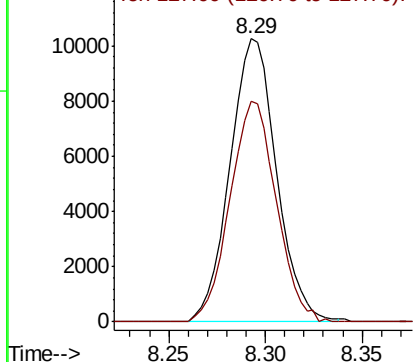


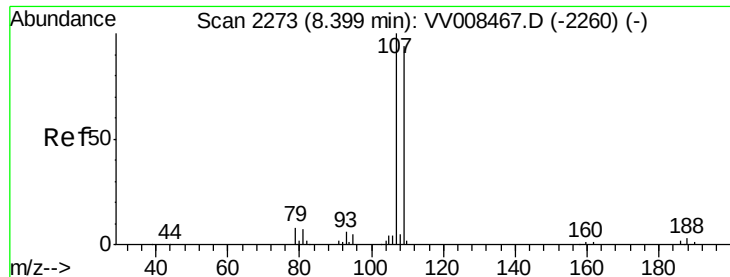
#49
Dibromochloromethane
Concen: 9.034 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008494.D
Acq: 31 Oct 2018 14:45

Tgt Ion:	129	Resp:	17185
Ion	Ratio	Lower	Upper
129	100		
127	77.8	53.9	100.1



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

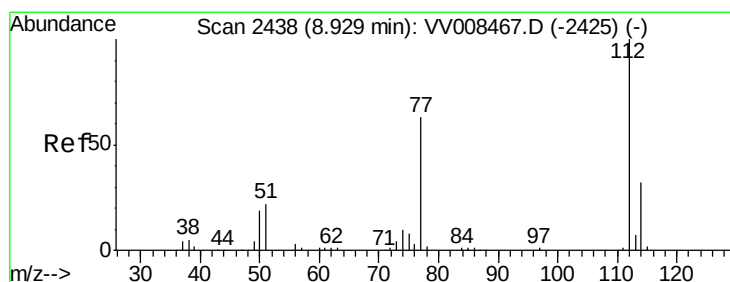
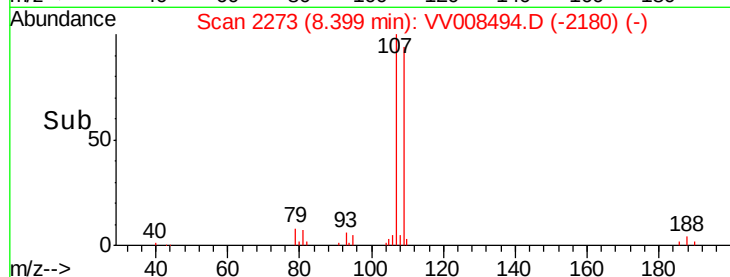
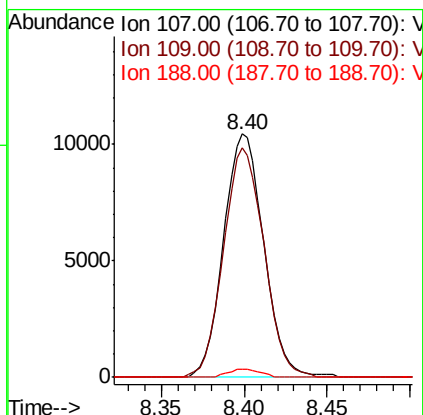
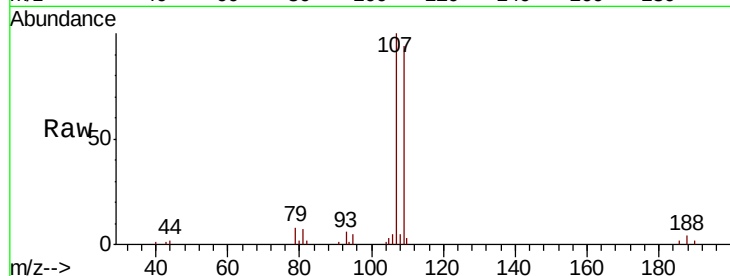




#50
1,2-Dibromoethane
Concen: 9.486 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008494.D
Acq: 31 Oct 2018 14:45

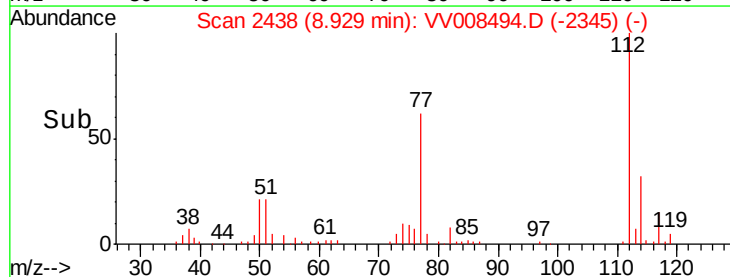
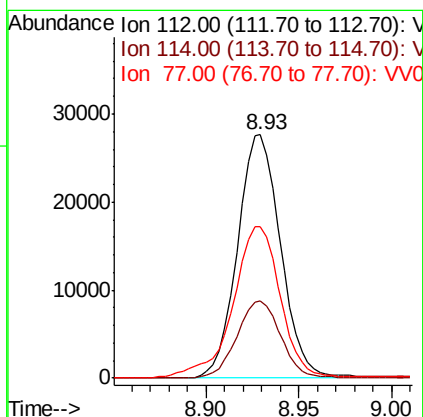
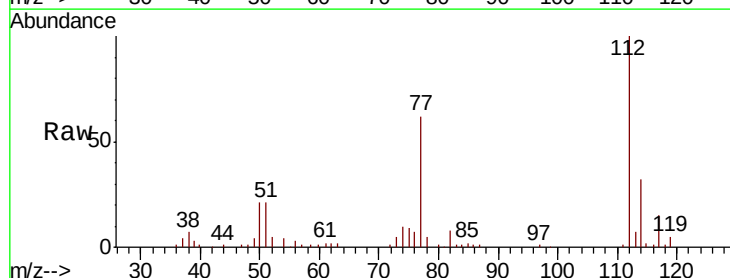
Instrument :
MSVOA_V
ClientSampleId :
VSTD01054

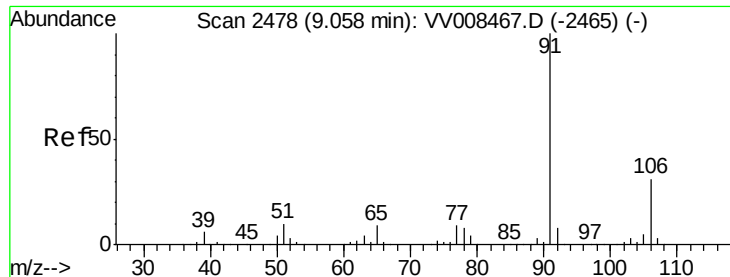
Tgt Ion:107 Resp: 17594
Ion Ratio Lower Upper
107 100
109 94.5 67.3 125.1
188 3.6 2.6 3.8



#51
Chlorobenzene
Concen: 9.613 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008494.D
Acq: 31 Oct 2018 14:45

Tgt Ion:112 Resp: 44669
Ion Ratio Lower Upper
112 100
114 31.7 22.3 41.5
77 62.4 50.5 75.7





#52

Ethylbenzene

Concen: 9.399 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

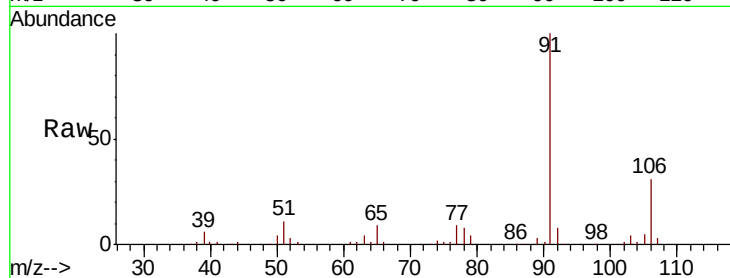
VSTD01054

Tgt Ion: 91 Resp: 79328

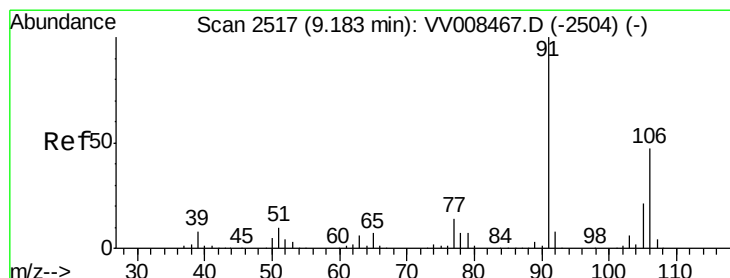
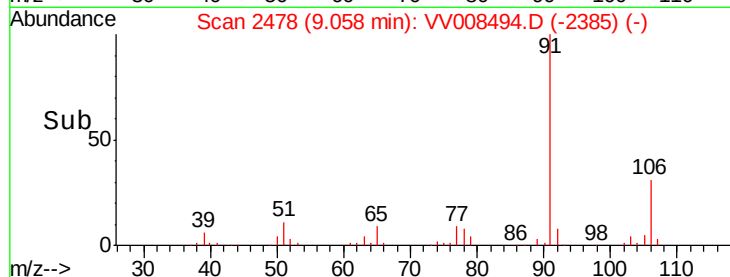
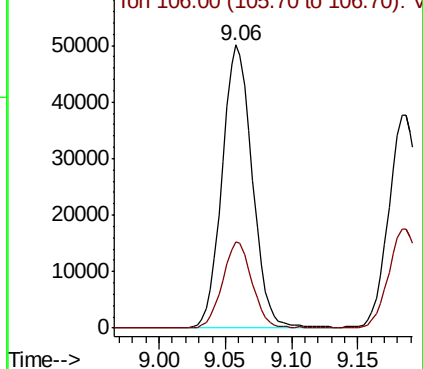
Ion Ratio Lower Upper

91 100

106 30.5 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV008494.D (-2385) (-)



#53

m,p-Xylene

Concen: 9.453 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV008494.D

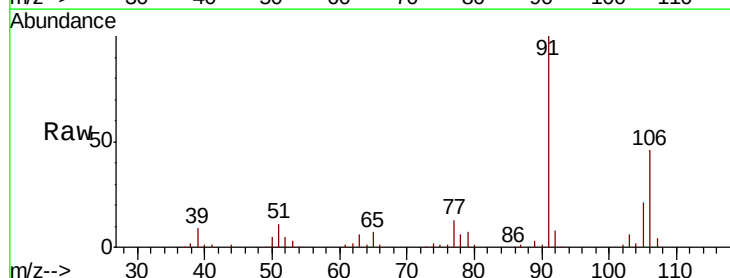
Acq: 31 Oct 2018 14:45

Tgt Ion: 106 Resp: 29298

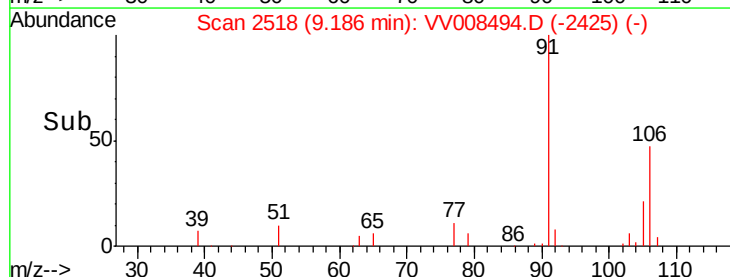
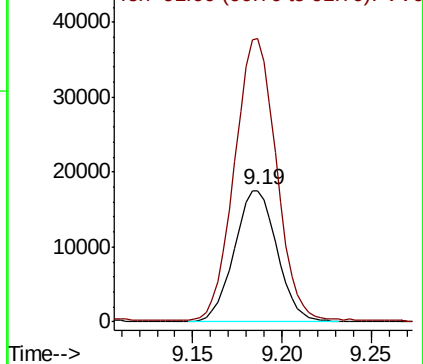
Ion Ratio Lower Upper

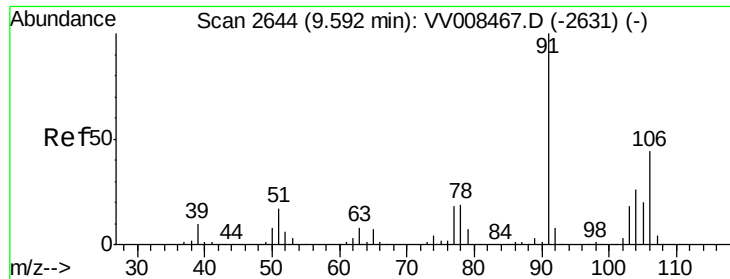
106 100

91 215.7 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV008494.D (-2425) (-)

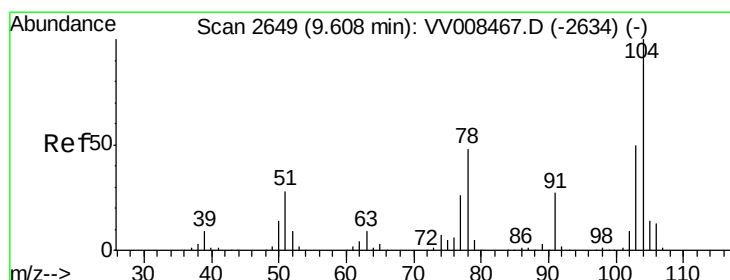
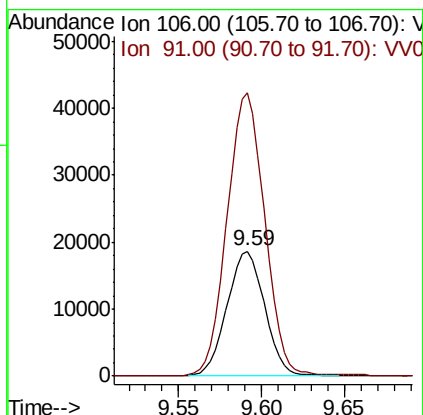
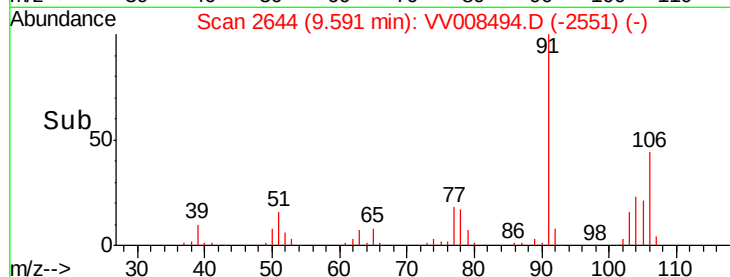
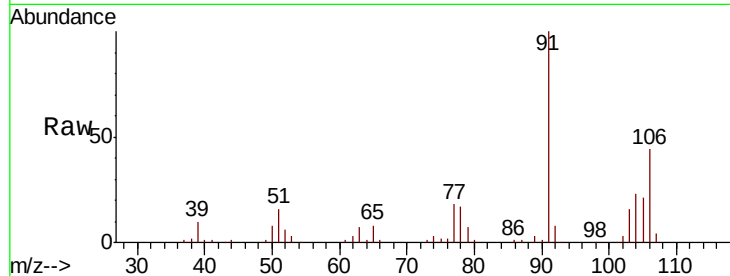




#54
o-xylene
Concen: 9.609 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008494.D
Acq: 31 Oct 2018 14:45

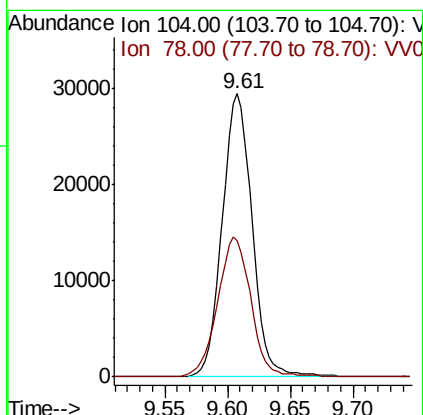
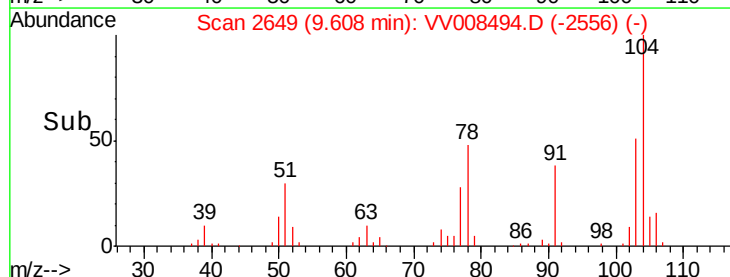
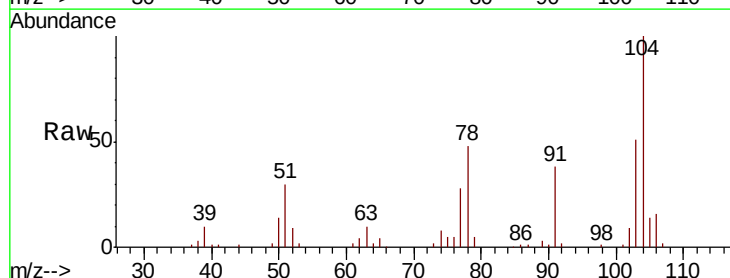
Instrument :
MSVOA_V
ClientSampleId :
VSTD01054

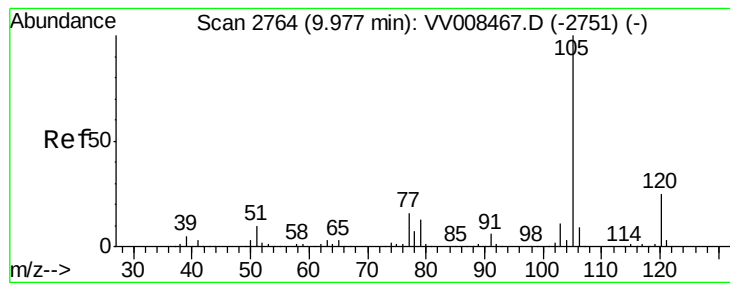
Tgt Ion:106 Resp: 29720
Ion Ratio Lower Upper
106 100
91 226.6 156.9 291.5



#55
Styrene
Concen: 9.378 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008494.D
Acq: 31 Oct 2018 14:45

Tgt Ion:104 Resp: 48822
Ion Ratio Lower Upper
104 100
78 48.2 33.7 62.7





#56

Isopropylbenzene

Concen: 9.297 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD01054

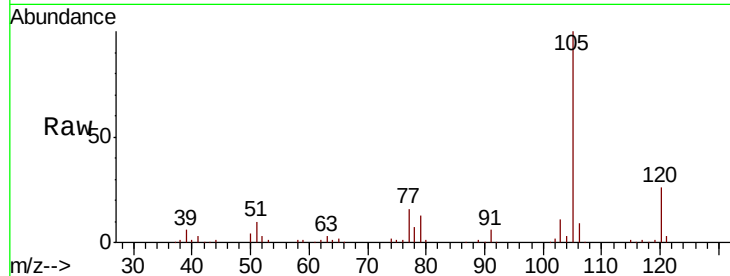
Tgt Ion: 105 Resp: 75213

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

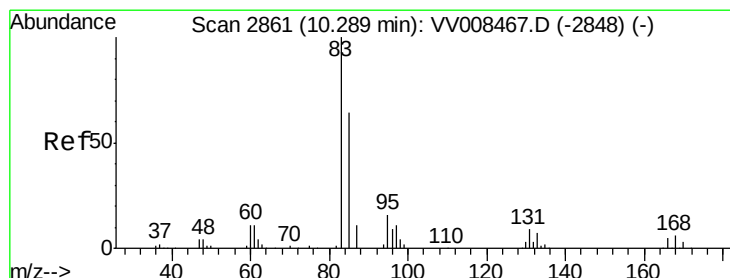
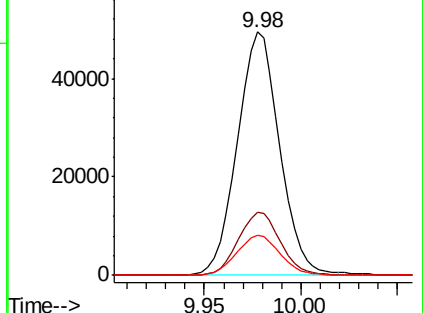
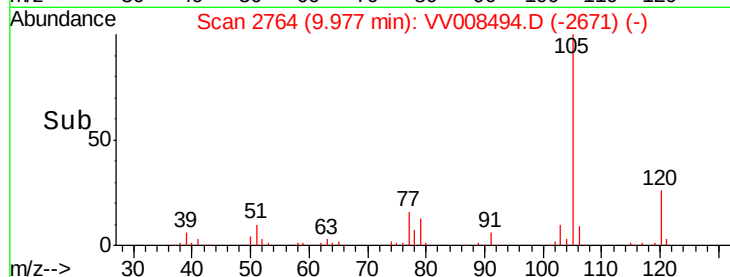
77 17.1 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 9.633 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

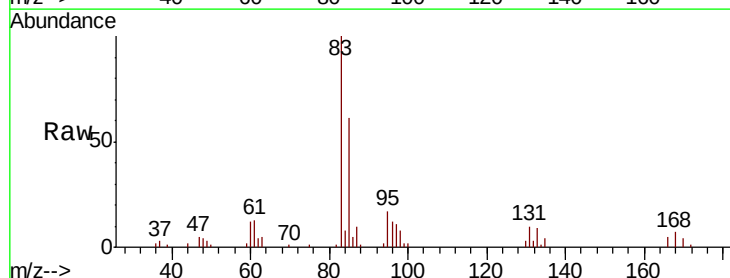
Tgt Ion: 83 Resp: 29991

Ion Ratio Lower Upper

83 100

85 61.0 45.1 83.9

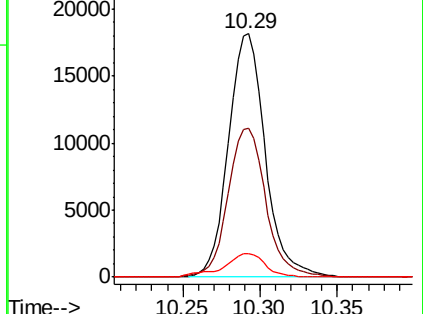
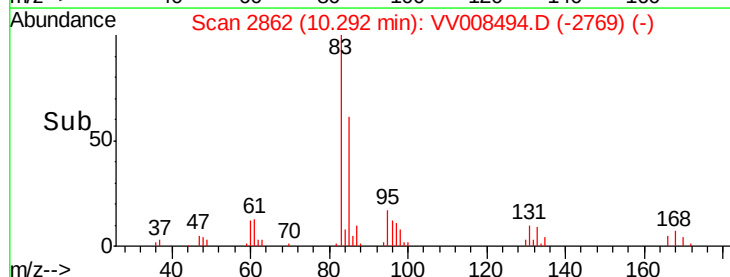
131 9.8 7.4 11.2

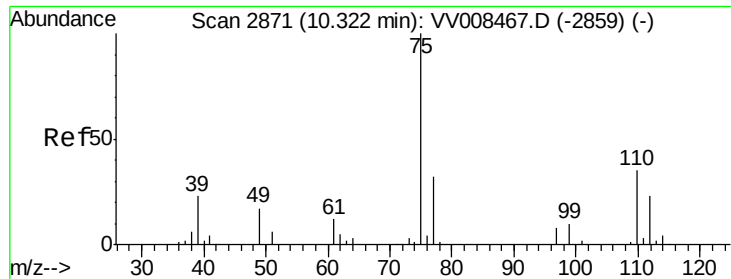


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.798 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

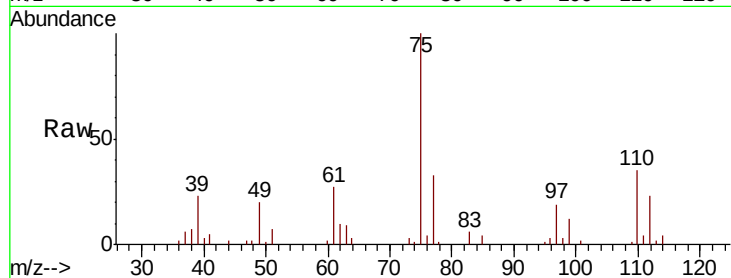
VSTD01054

Tgt Ion: 75 Resp: 24740

Ion Ratio Lower Upper

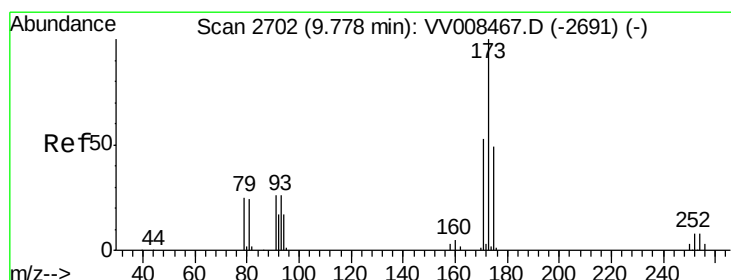
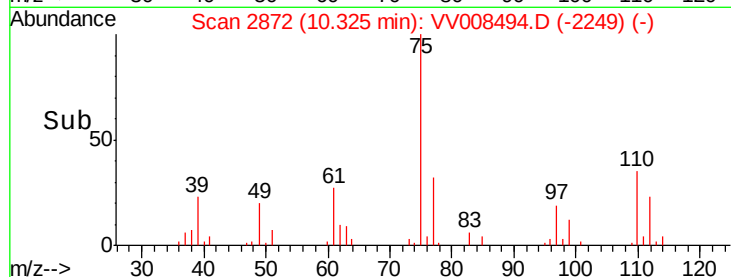
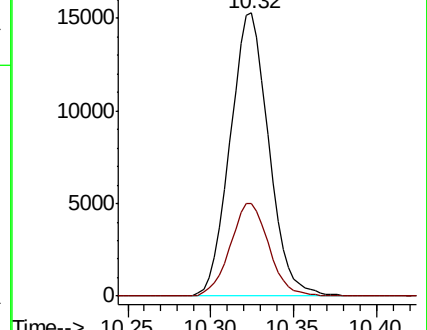
75 100

77 32.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV008467.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008467.D (-2859) (-)



#61

Bromoform

Concen: 9.087 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

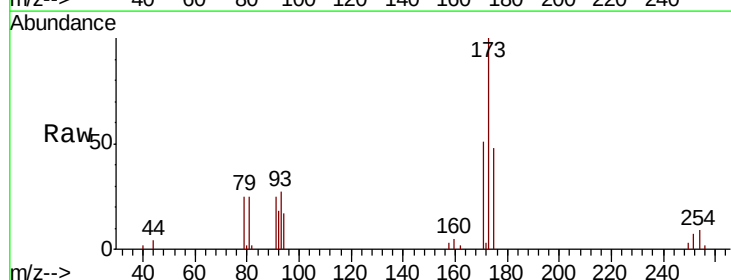
Tgt Ion: 173 Resp: 11469

Ion Ratio Lower Upper

173 100

175 49.1 38.6 57.8

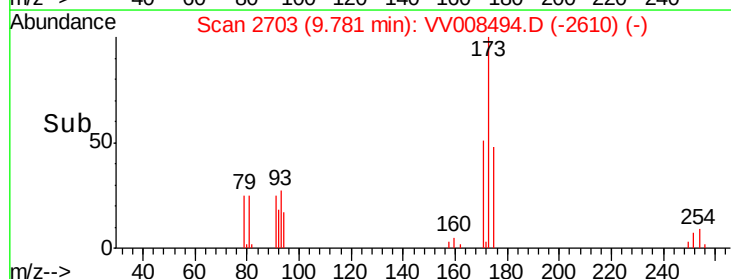
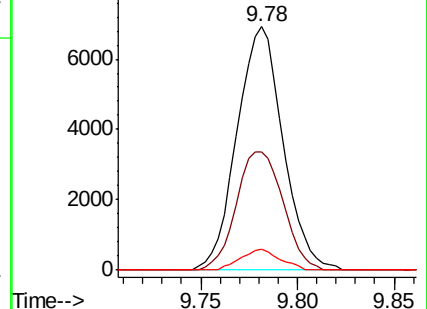
254 7.3 6.0 9.0

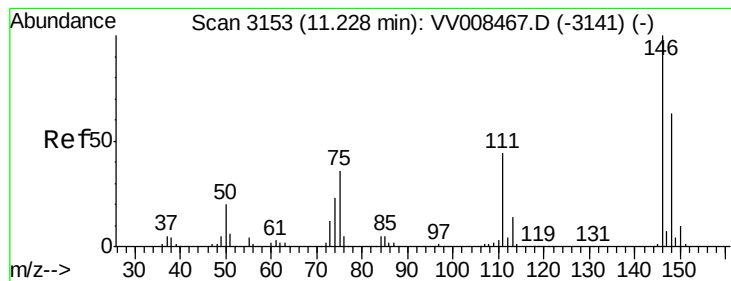


Abundance Ion 173.00 (172.70 to 173.70): VV008467.D (-2691) (-)

Ion 175.00 (174.70 to 175.70): VV008467.D (-2691) (-)

Ion 254.00 (253.70 to 254.70): VV008467.D (-2691) (-)





#62

1,3-Dichlorobenzene

Concen: 9.616 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD01054

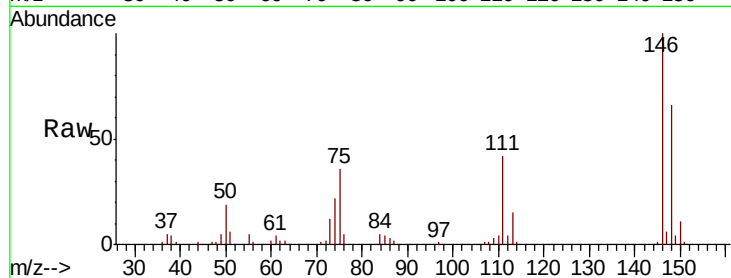
Tgt Ion:146 Resp: 31999

Ion Ratio Lower Upper

146 100

111 42.4 30.3 56.3

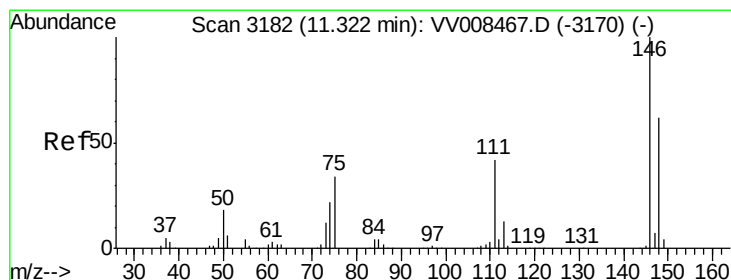
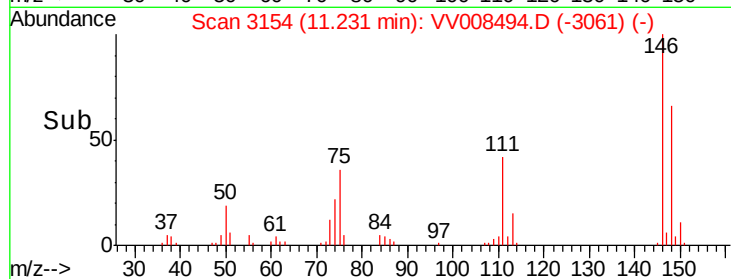
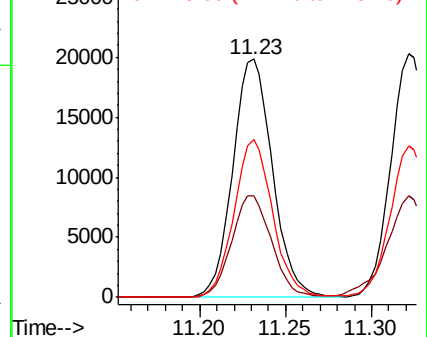
148 66.1 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 9.734 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

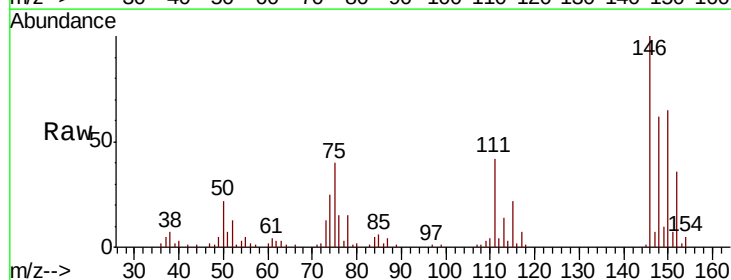
Tgt Ion:146 Resp: 32408

Ion Ratio Lower Upper

146 100

111 41.6 29.8 55.4

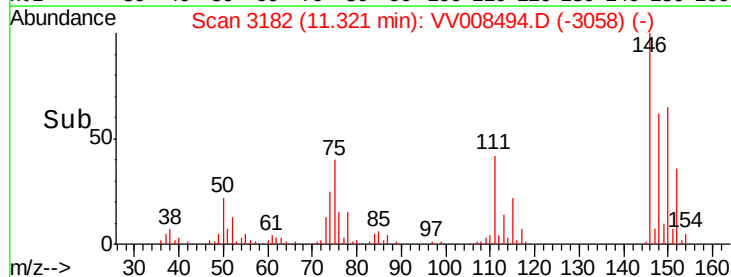
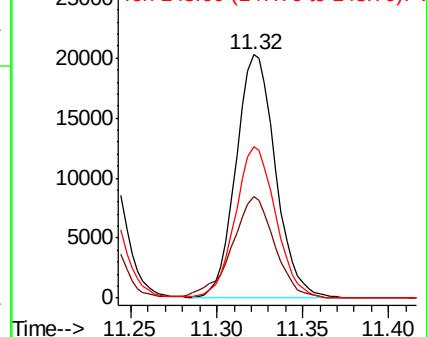
148 62.4 44.5 82.7

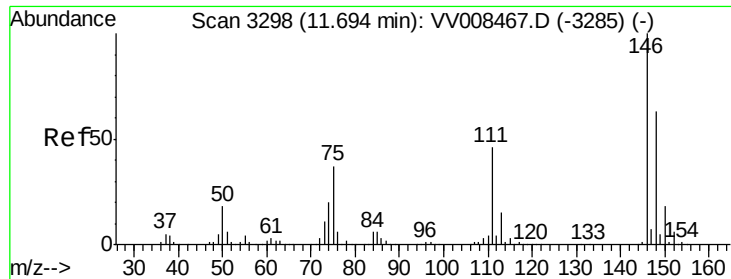


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

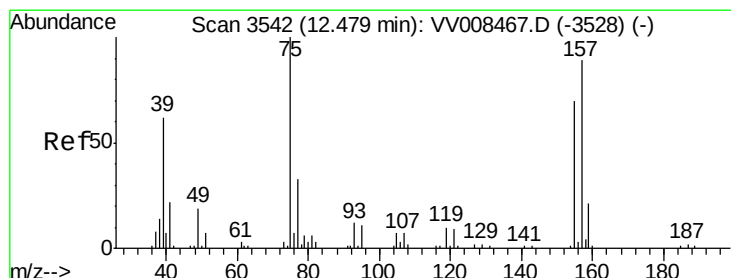
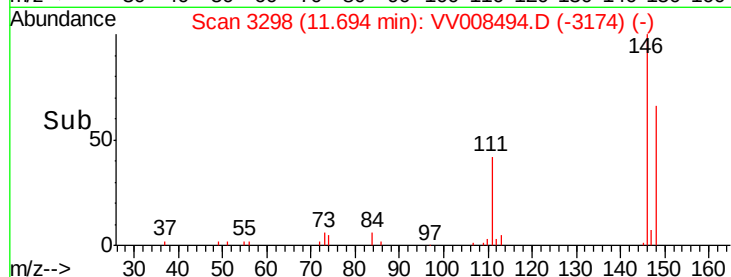
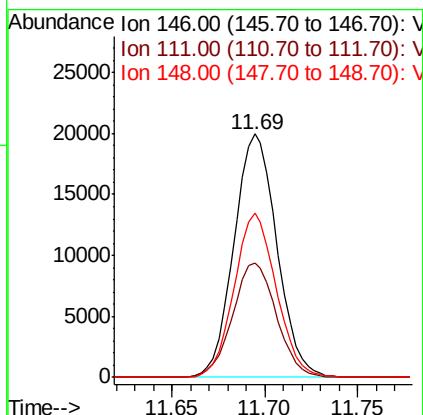
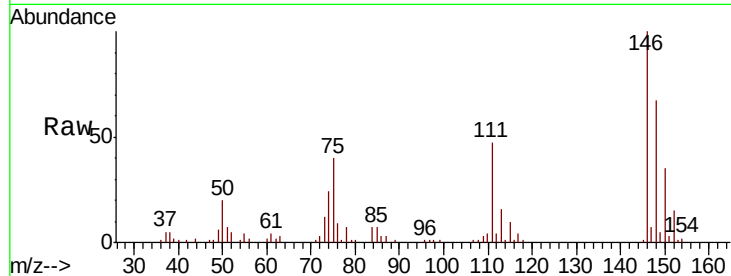




#65
 1,2-Dichlorobenzene
 Concen: 9.440 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

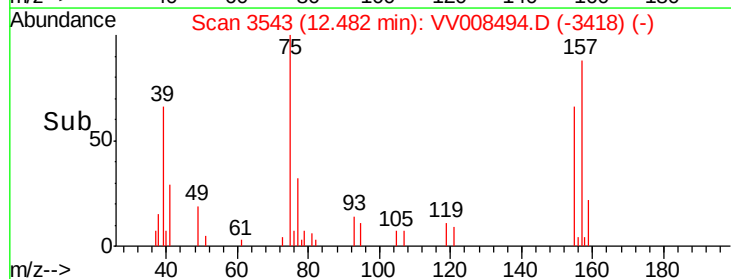
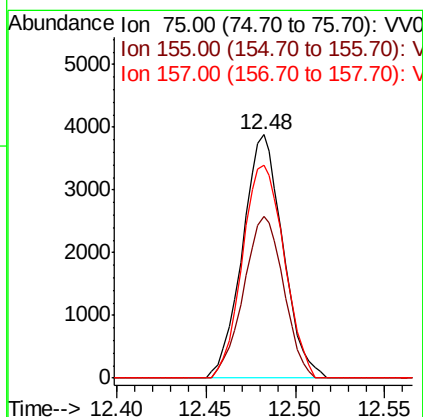
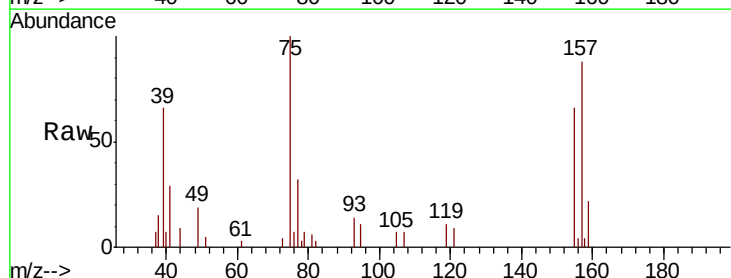
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01054

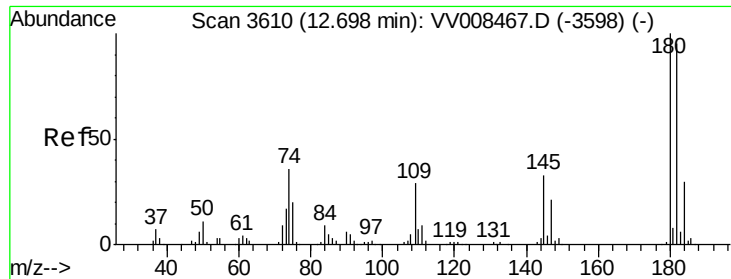
Tgt Ion: 146 Resp: 31989
 Ion Ratio Lower Upper
 146 100
 111 46.9 35.9 53.9
 148 67.3 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.896 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

Tgt Ion: 75 Resp: 6146
 Ion Ratio Lower Upper
 75 100
 155 66.2 55.8 83.8
 157 87.6 72.0 108.0

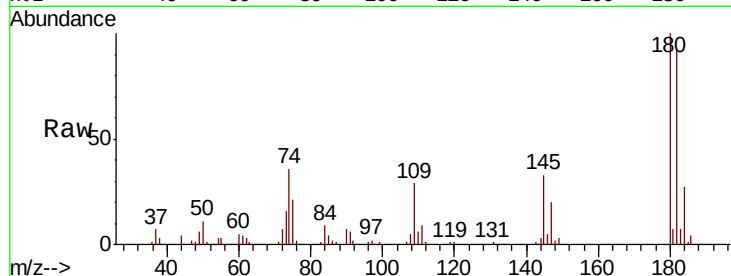




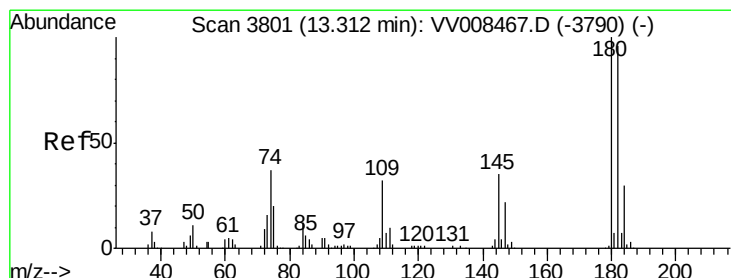
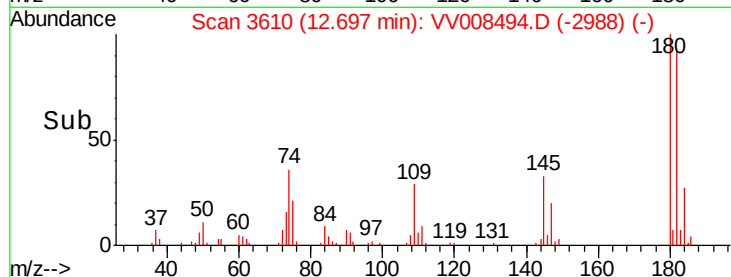
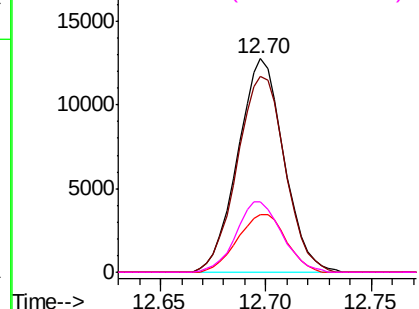
#67
 1,3,5-Trichlorobenzene
 Concen: 8.896 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01054

Tgt Ion:180 Resp: 19372
 Ion Ratio Lower Upper
 180 100
 182 95.2 75.6 113.4
 184 28.5 23.6 35.4
 145 32.8 26.2 39.4

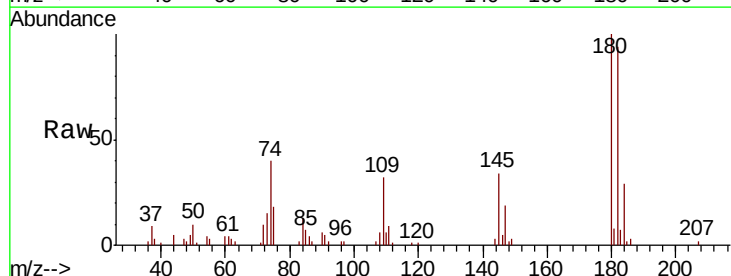


Abundance Ion 180.00 (179.70 to 180.70): V
 20000 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

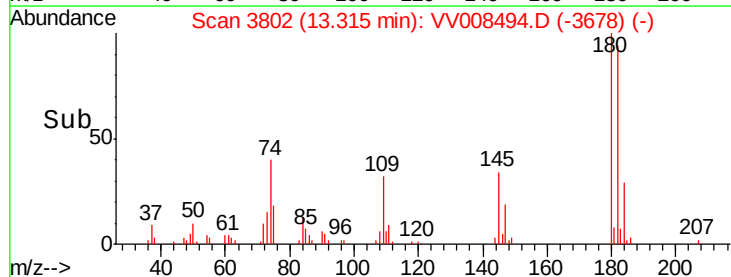
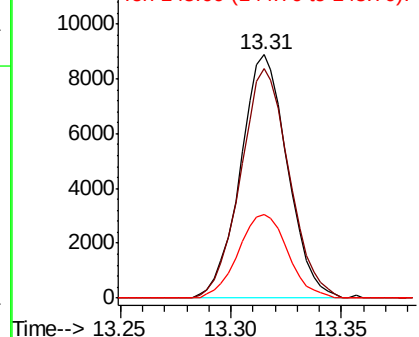


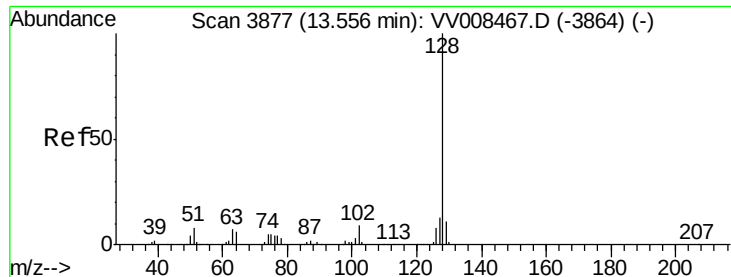
#68
 1,2,4-trichlorobenzene
 Concen: 7.515 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008494.D
 Acq: 31 Oct 2018 14:45

Tgt Ion:180 Resp: 13142
 Ion Ratio Lower Upper
 180 100
 182 97.0 75.9 113.9
 145 36.1 27.2 40.8



Abundance Ion 180.00 (179.70 to 180.70): V
 12000 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 6.869 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

Instrument :

MSVOA_V

ClientSampleId :

VSTD01054

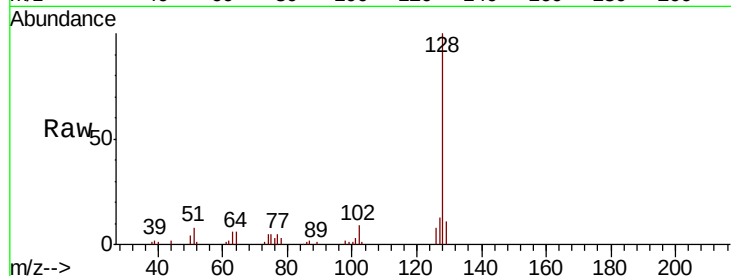
Tgt Ion:128 Resp: 38538

Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

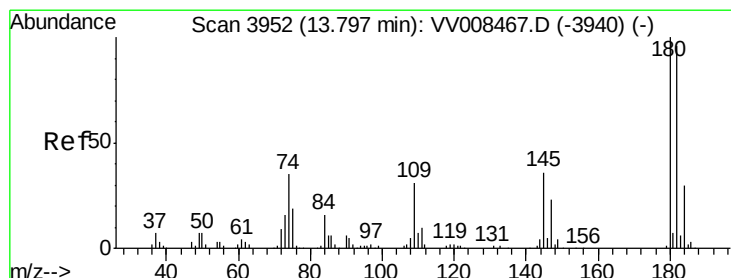
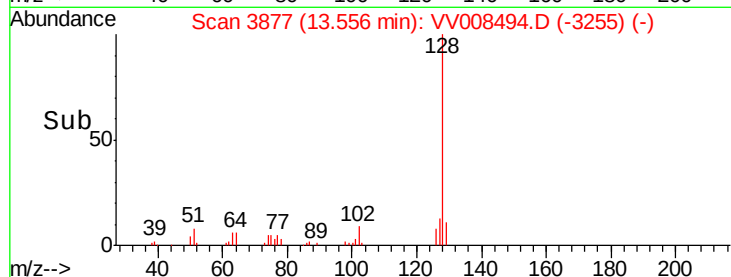
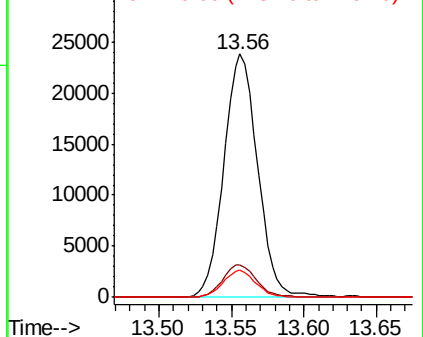
129 10.5 8.5 12.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 7.972 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008494.D

Acq: 31 Oct 2018 14:45

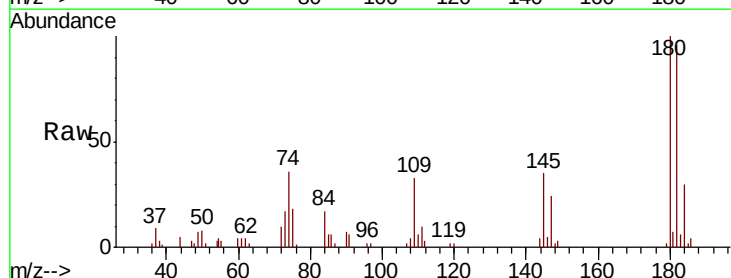
Tgt Ion:180 Resp: 13965

Ion Ratio Lower Upper

180 100

182 95.7 75.1 112.7

145 34.9 29.0 43.4



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

