

Data File : VV011999.D
Acq On : 24 Jul 2019 06:40
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

Quant Time: Jul 24 07:53:52 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 24 07:47:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	137258	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	127787	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	68056	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	33505	4.70	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.00%
7) Chloroethane-d5	1.59	69	27570	4.91	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.20%
11) 1,1-Dichloroethene-d2	2.14	63	73301	5.16	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	103.20%
20) 2-Butanone-d5	3.94	46	108112	51.85	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.70%
24) Chloroform-d	4.40	84	91371	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.60%
26) 1,2-Dichloroethane-d4	5.08	65	52074	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.00%
32) Benzene-d6	5.10	84	190794	5.36	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.20%
36) 1,2-Dichloropropane-d6	6.12	67	53358	5.23	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	104.60%
41) Toluene-d8	7.36	98	179916	5.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	108.80%
43) trans-1,3-Dichloropropene-	7.66	79	21787	5.26	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	105.20%
46) 2-Hexanone-d5	8.13	63	91379	54.98	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.96%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	38643	5.33	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	70369	5.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	65640	4.627 ug/L	99
3) Chloromethane	1.25	50	39175	4.759 ug/L	97
5) Vinyl chloride	1.32	62	39925	4.736 ug/L	97
6) Bromomethane	1.54	94	22154	4.469 ug/L	100
8) Chloroethane	1.60	64	22491	4.510 ug/L	97
9) Trichlorofluoromethane	1.77	101	78820	5.073 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	32282	4.622 ug/L	100
12) 1,1-Dichloroethene	2.14	96	30854	4.939 ug/L	94
13) Acetone	2.20	43	47537	42.291 ug/L	99
14) Carbon disulfide	2.32	76	81598	4.583 ug/L	100
15) Methyl Acetate	2.47	43	9968	4.062 ug/L	97
16) Methylene chloride	2.54	84	30718	4.385 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	102891	4.827 ug/L	100
18) trans-1,2-Dichloroethene	2.79	96	45578	4.685 ug/L	97
19) 1,1-Dichloroethane	3.23	63	83335	4.850 ug/L	98
21) 2-Butanone	4.03	43	100396	46.559 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	50787	4.858 ug/L	98

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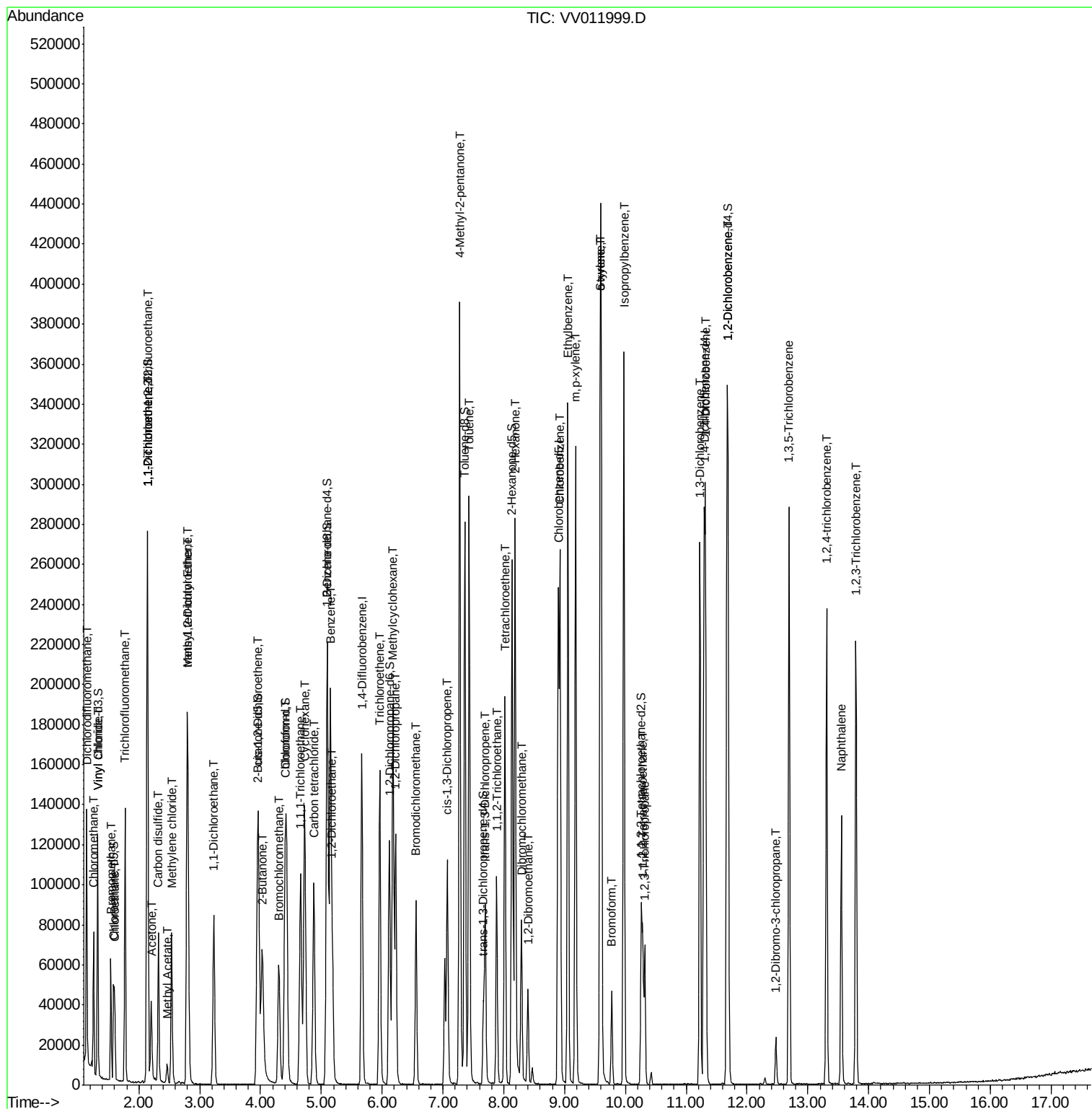
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	21618	5.029	ug/L	91
25) Chloroform	4.43	83	100797	4.857	ug/L	98
27) 1,2-Dichloroethane	5.18	62	56331	4.882	ug/L	99
29) 1,1,1-Trichloroethane	4.66	97	83044	5.077	ug/L	100
30) Cyclohexane	4.73	56	70448	4.559	ug/L	96
31) Carbon tetrachloride	4.88	117	74295	5.046	ug/L	100
33) Benzene	5.15	78	182688	4.860	ug/L	100
34) Trichloroethene	5.96	95	52977	5.075	ug/L	98
35) Methylcyclohexane	6.18	83	76685	4.720	ug/L	97
37) 1,2-Dichloropropane	6.22	63	43525	4.816	ug/L	99
38) Bromodichloromethane	6.56	83	59022	4.888	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	63534	4.743	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	245678	48.657	ug/L	98
42) Toluene	7.43	91	203254	5.038	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	48905	4.590	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	30620	4.906	ug/L	96
47) Tetrachloroethene	8.02	164	43362	4.814	ug/L	96
48) 2-Hexanone	8.18	43	176513	49.834	ug/L	98
49) Dibromochloromethane	8.29	129	38975	5.100	ug/L	94
50) 1,2-Dibromoethane	8.40	107	29943	5.081	ug/L	92
51) Chlorobenzene	8.92	112	133119	5.039	ug/L	98
52) Ethylbenzene	9.05	91	228608	4.964	ug/L	99
53) m,p-xylene	9.18	106	89495	5.105	ug/L	97
54) o-xylene	9.59	106	85152	5.123	ug/L	97
55) Styrene	9.60	104	143229	5.113	ug/L	98
56) Isopropylbenzene	9.97	105	225765	4.864	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	33628	4.971	ug/L	96
59) 1,2,3-Trichloropropane	10.32	75	26311	4.992	ug/L	99
61) Bromoform	9.77	173	20458	4.897	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	108323	4.866	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	109997	4.800	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	101766	4.966	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	5406	4.541	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	86155	4.628	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	71474	4.727	ug/L	98
69) Naphthalene	13.55	128	107068	4.696	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	65938	4.807	ug/L	100

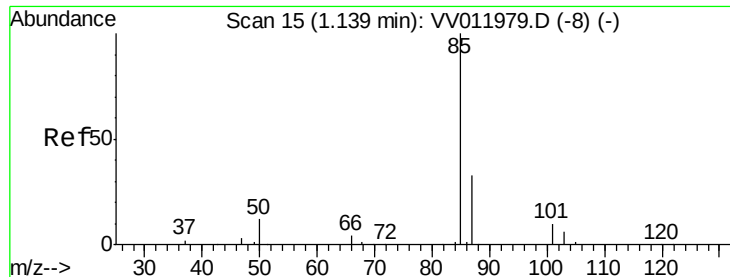
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.627 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

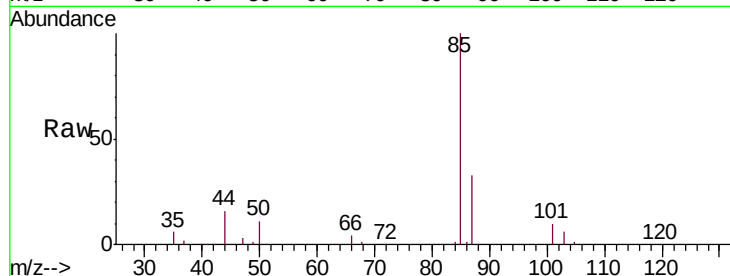
VSTD00546

Tgt Ion: 85 Resp: 65640

Ion Ratio Lower Upper

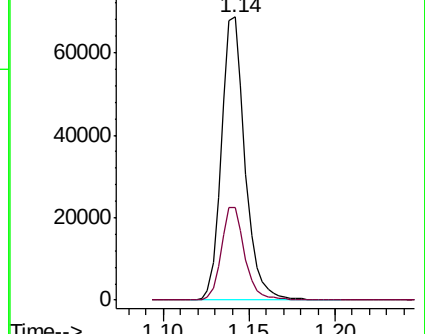
85 100

87 32.8 25.6 38.4

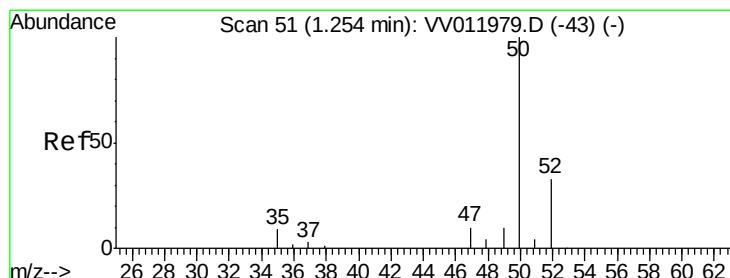
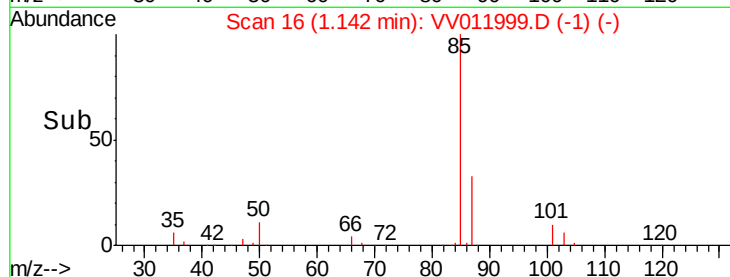


Abundance Ion 85.00 (84.70 to 85.70): VV011999.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV011999.D (-8) (-)



Time-->



#3

Chloromethane

Concen: 4.759 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011999.D

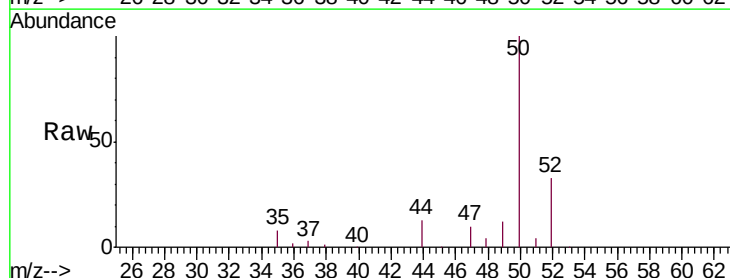
Acq: 24 Jul 2019 06:40

Tgt Ion: 50 Resp: 39175

Ion Ratio Lower Upper

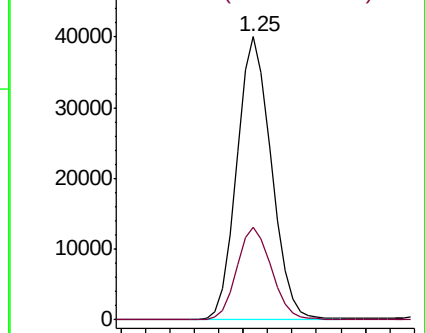
50 100

52 32.8 21.6 40.2

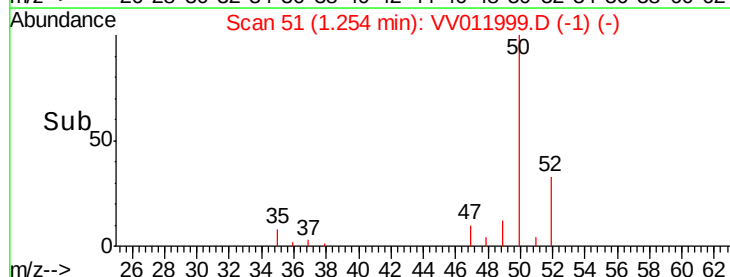


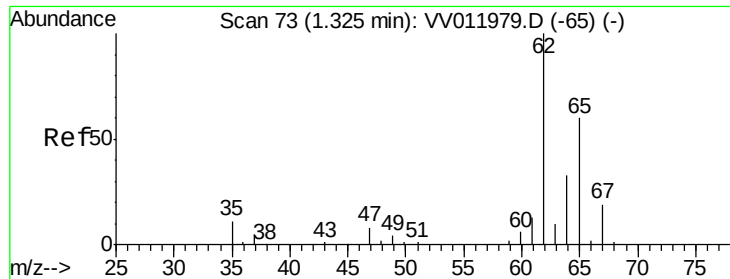
Abundance Ion 50.05 (49.75 to 50.75): VV011999.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV011999.D (-43) (-)



Time-->





#5

Vinyl chloride

Concen: 4.736 ug/L

RT: 1.32 min Scan# 73

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

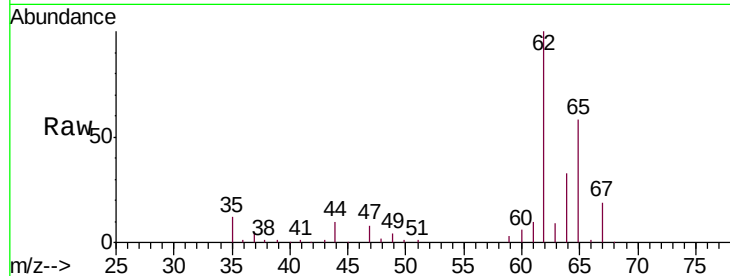
VSTD00546

Tgt Ion: 62 Resp: 39925

Ion Ratio Lower Upper

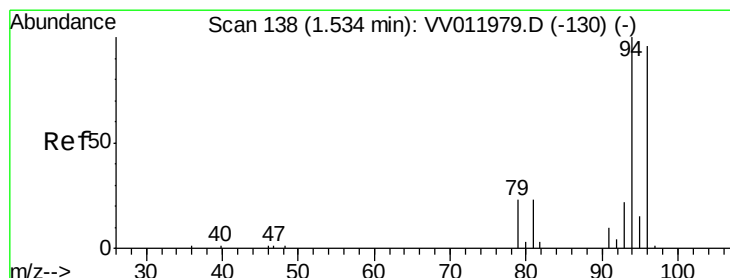
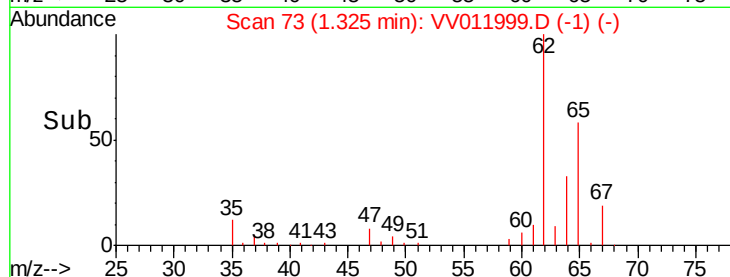
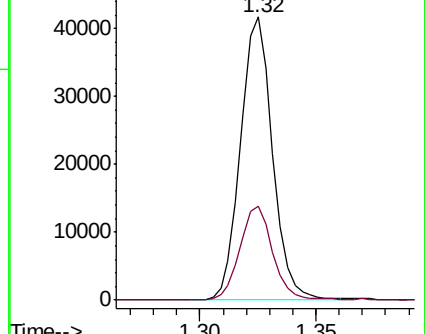
62 100

64 33.2 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 4.469 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011999.D

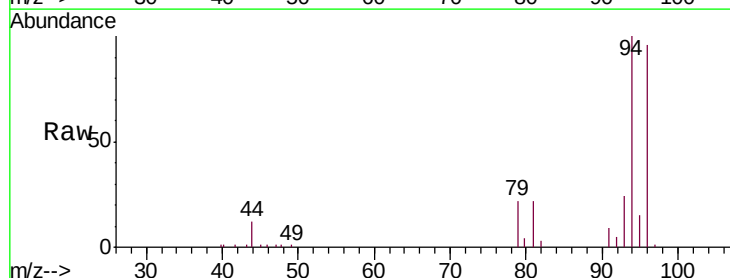
Acq: 24 Jul 2019 06:40

Tgt Ion: 94 Resp: 22154

Ion Ratio Lower Upper

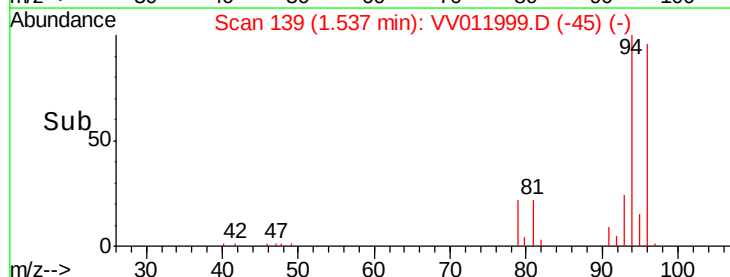
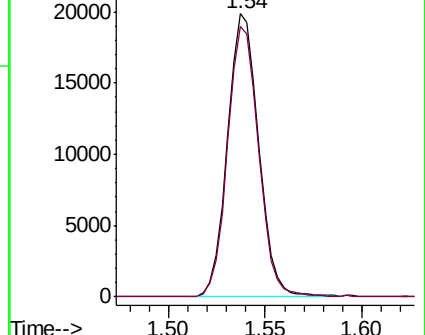
94 100

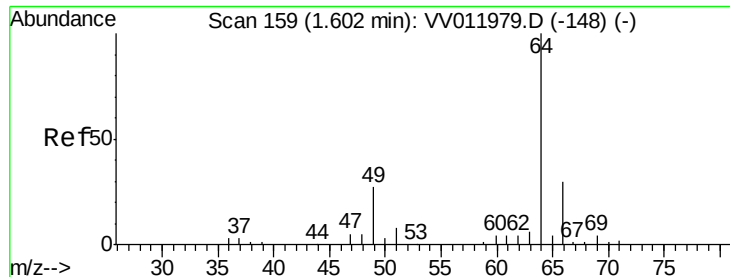
96 95.8 67.3 125.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

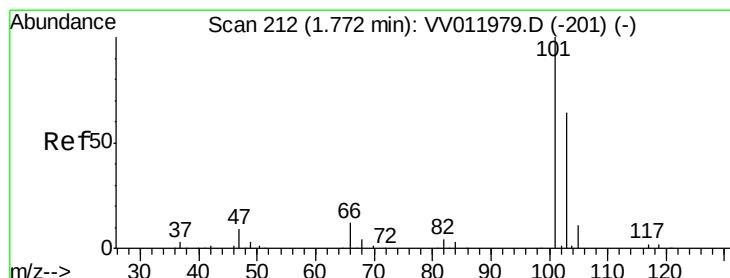
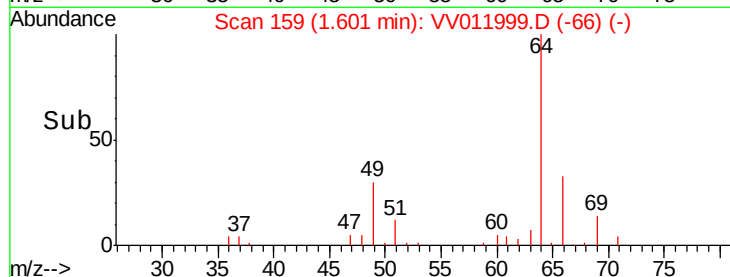
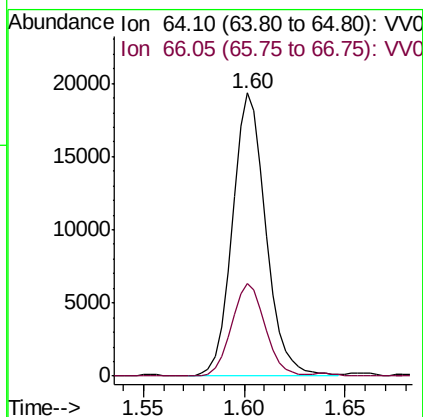
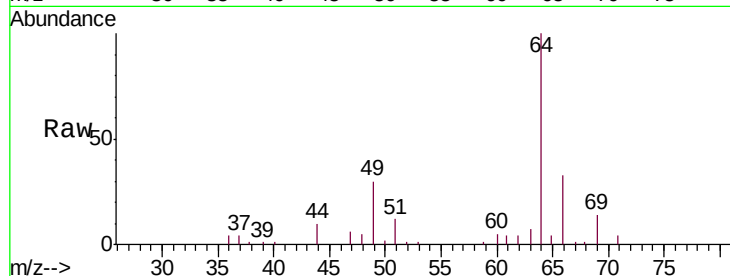




#8
 Chloroethane
 Concen: 4.510 ug/L
 RT: 1.60 min Scan# 159
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

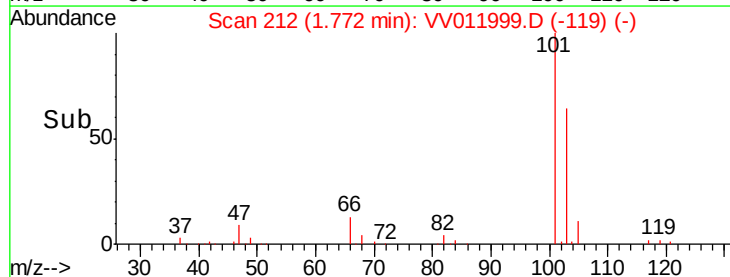
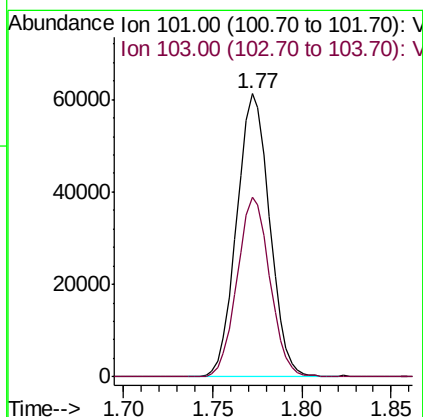
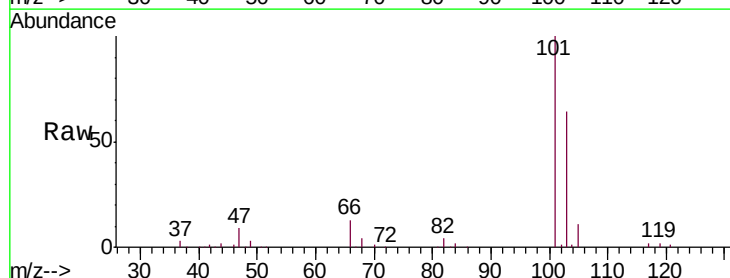
Instrument :
 MSVOA_V
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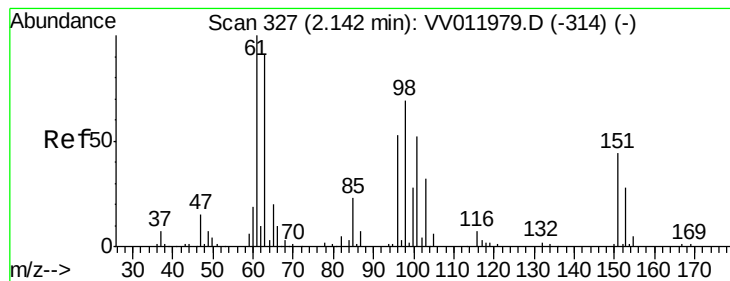
Tgt Ion: 64 Resp: 22491
 Ion Ratio Lower Upper
 64 100
 66 32.7 21.8 40.6



#9
 Trichlorofluoromethane
 Concen: 5.073 ug/L
 RT: 1.77 min Scan# 212
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion: 101 Resp: 78820
 Ion Ratio Lower Upper
 101 100
 103 63.0 50.4 75.6





#10

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

Concen: 4.622 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

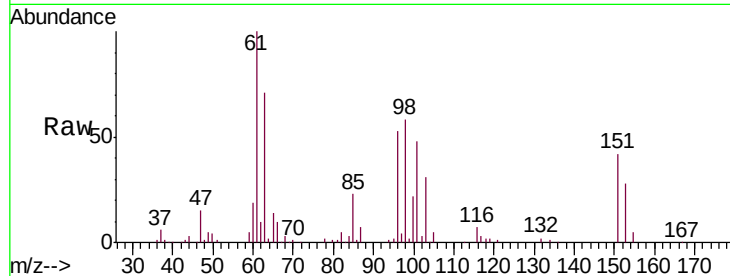
Tgt Ion:101 Resp: 32282

Ion Ratio Lower Upper

101 100

85 46.7 37.0 55.6

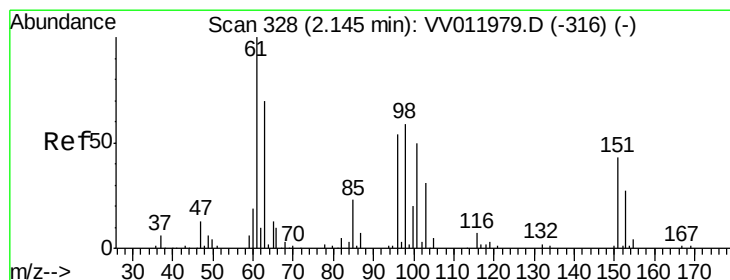
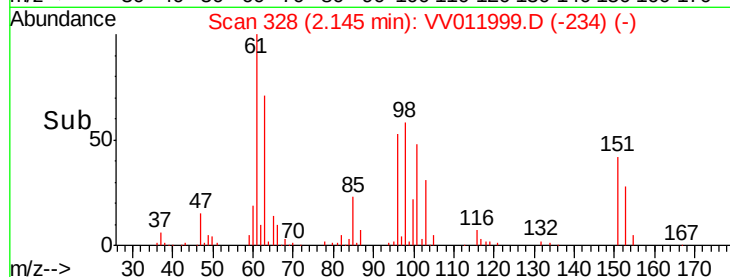
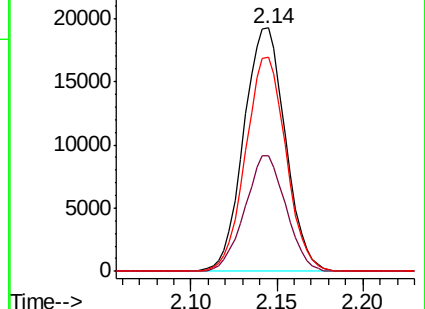
151 85.3 68.3 102.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 4.939 ug/L

RT: 2.14 min Scan# 328

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

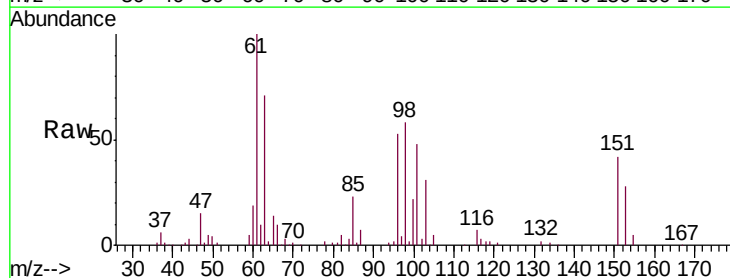
Tgt Ion: 96 Resp: 30854

Ion Ratio Lower Upper

96 100

61 187.4 132.7 246.5

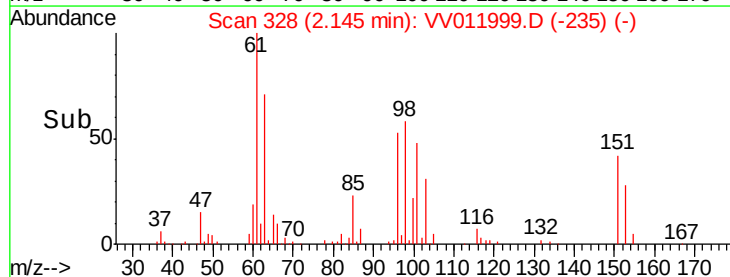
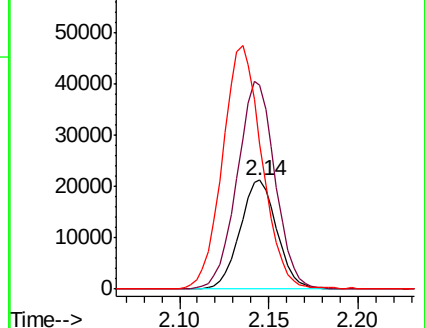
63 133.4 104.0 193.1

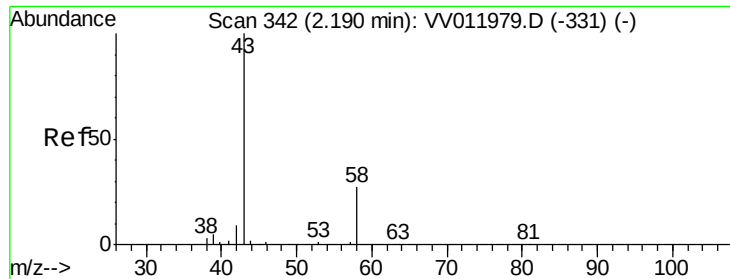


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.291 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.01 min

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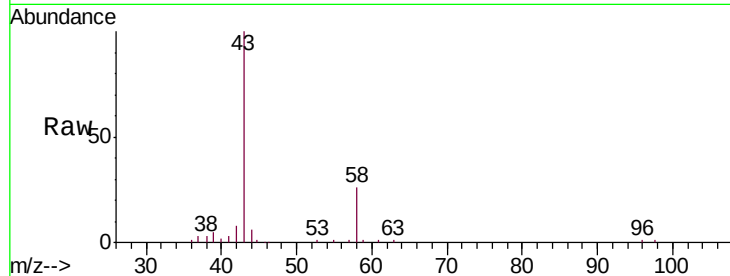
VSTD00546

Tgt Ion: 43 Resp: 47537

Ion Ratio Lower Upper

43 100

58 26.5 0.0 51.8



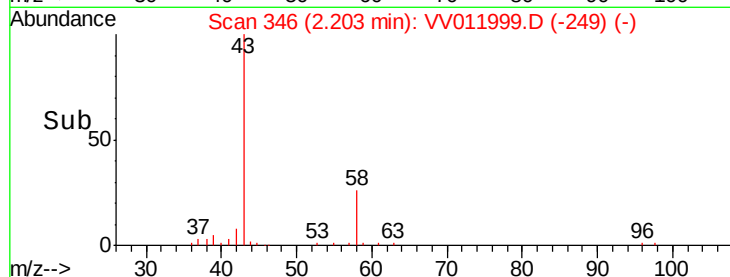
Abundance Ion 43.05 (42.75 to 43.75): VV011999.D (-331) (-)

Ion 58.05 (57.75 to 58.75): VV011999.D (-331) (-)

2.20

2.15 2.20 2.25 2.30

Time-->



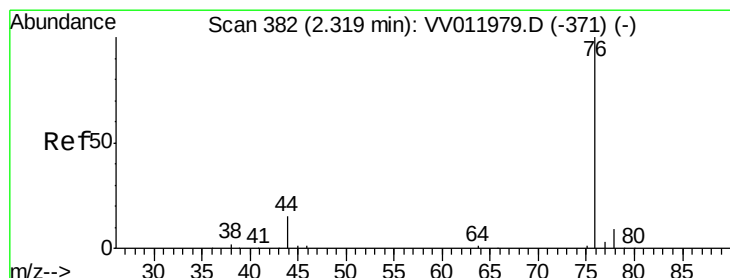
Abundance Ion 43.05 (42.75 to 43.75): VV011999.D (-249) (-)

Ion 58.05 (57.75 to 58.75): VV011999.D (-249) (-)

2.20

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 4.583 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV011999.D

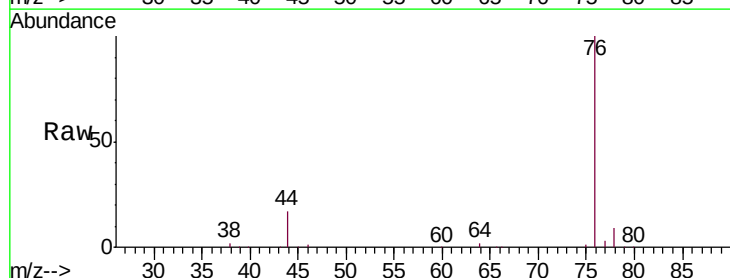
Acq: 24 Jul 2019 06:40

Tgt Ion: 76 Resp: 81598

Ion Ratio Lower Upper

76 100

78 9.0 7.3 10.9



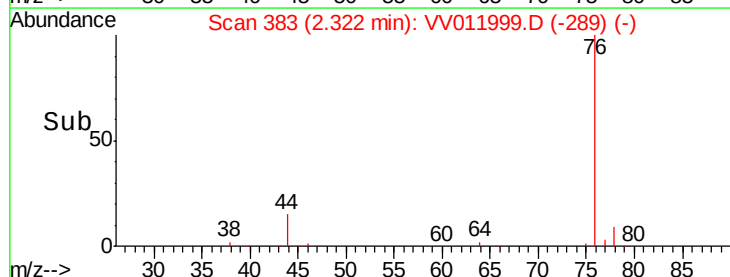
Abundance Ion 76.05 (75.75 to 76.75): VV011999.D (-371) (-)

Ion 78.00 (77.70 to 78.70): VV011999.D (-371) (-)

2.32

2.25 2.30 2.35 2.40

Time-->



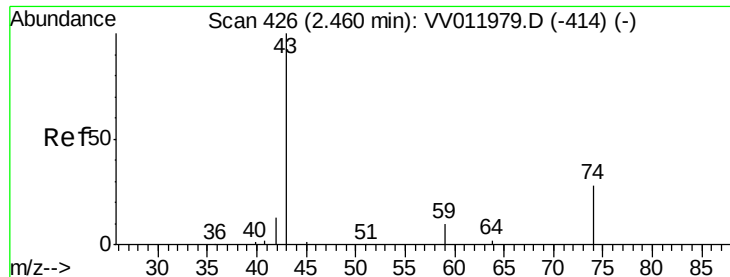
Abundance Ion 76.05 (75.75 to 76.75): VV011999.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV011999.D (-289) (-)

2.32

2.25 2.30 2.35 2.40

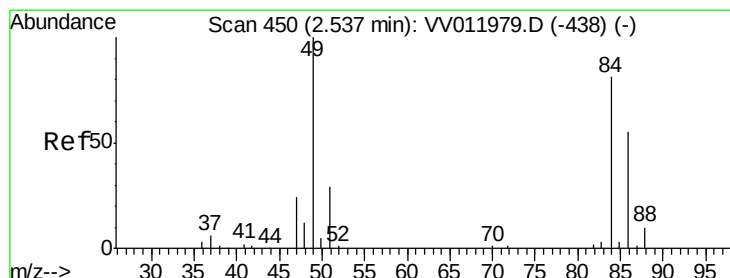
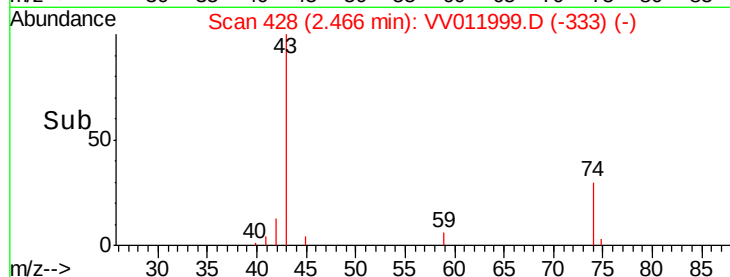
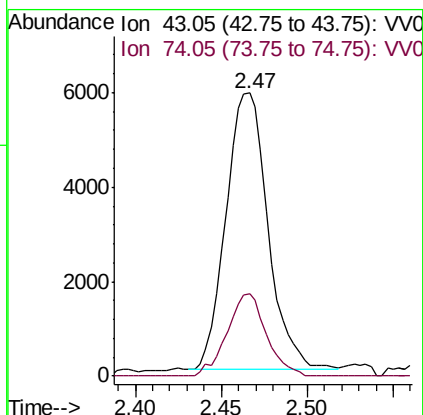
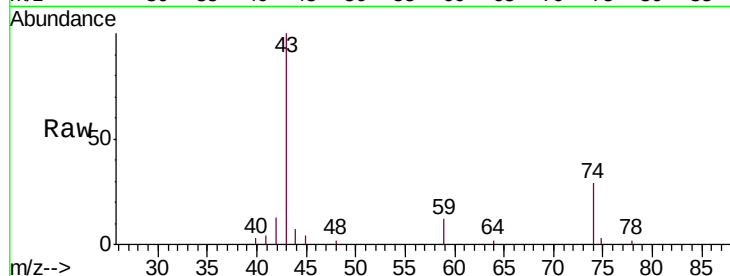
Time-->



#15
Methyl Acetate
Concen: 4.062 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

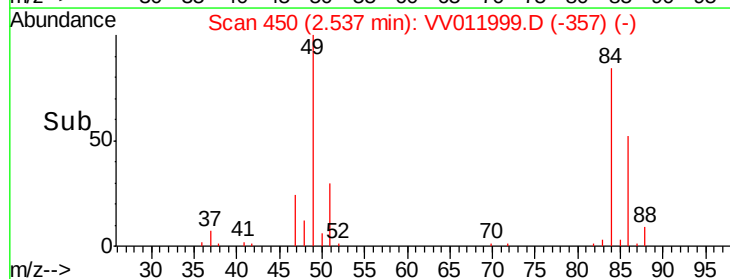
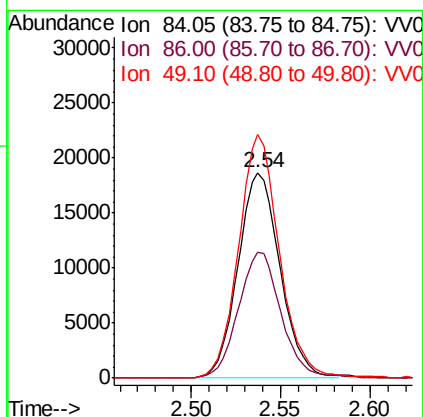
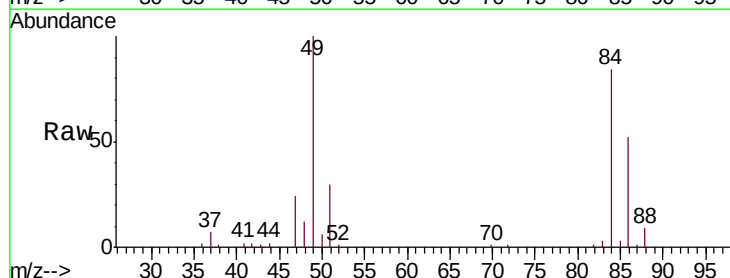
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

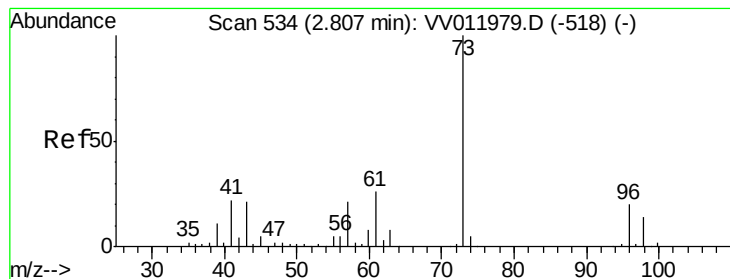
Tgt Ion: 43 Resp: 9968
Ion Ratio Lower Upper
43 100
74 27.9 23.4 35.2



#16
Methylene chloride
Concen: 4.385 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

Tgt Ion: 84 Resp: 30718
Ion Ratio Lower Upper
84 100
86 61.3 47.6 88.4
49 118.4 84.3 156.5



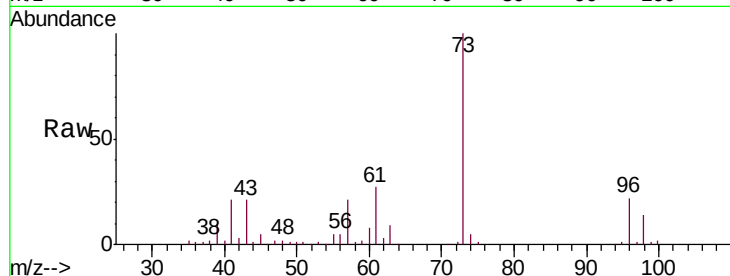


#17

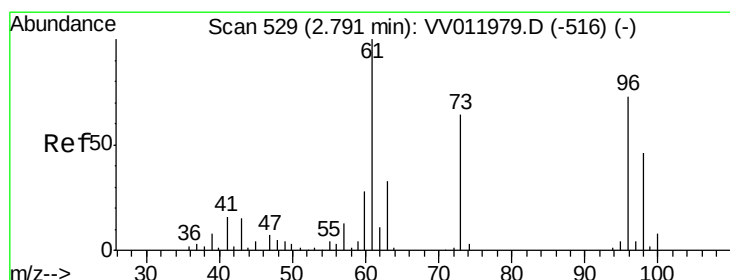
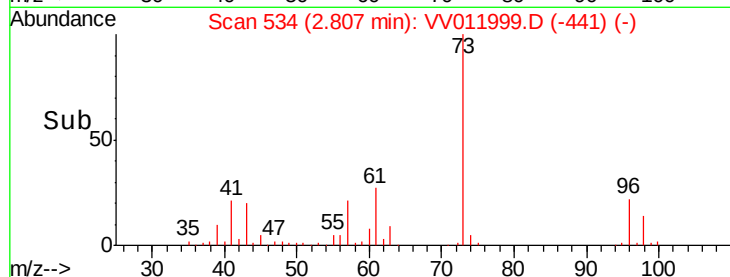
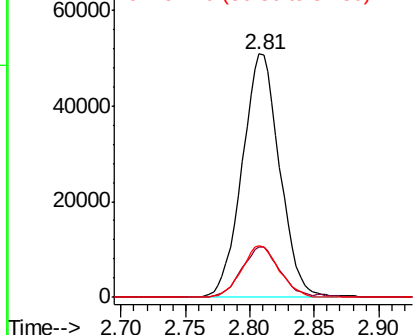
Methyl tert-butyl Ether
 Concen: 4.827 ug/L
 RT: 2.81 min Scan# 534
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion: 73 Resp: 102891
 Ion Ratio Lower Upper
 73 100
 43 21.1 17.0 25.4
 57 21.3 17.0 25.6



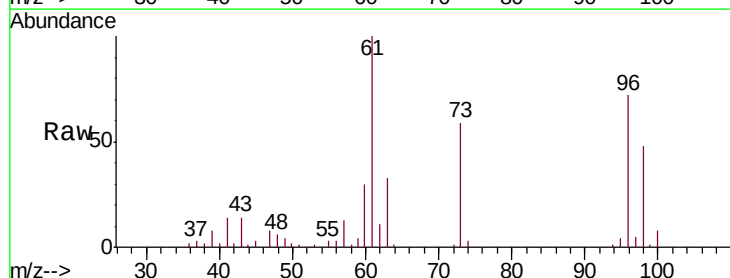
Abundance Ion 73.10 (72.80 to 73.80): VV0
 Ion 43.05 (42.75 to 43.75): VV0
 Ion 57.10 (56.80 to 57.80): VV0



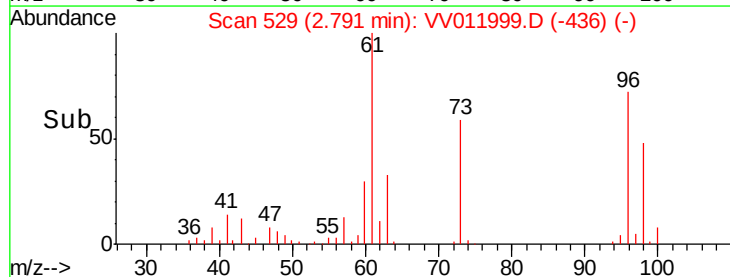
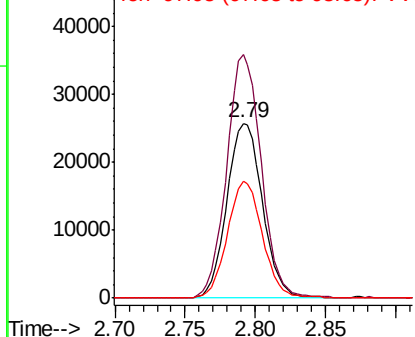
#18

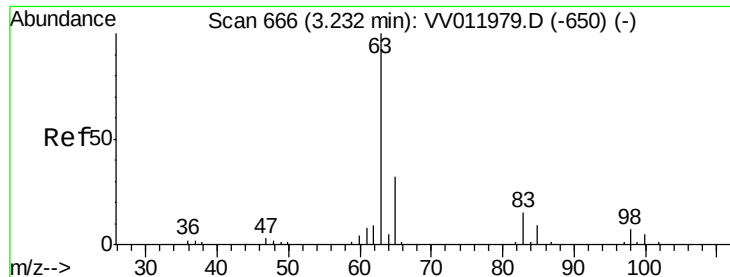
trans-1,2-Dichloroethene
 Concen: 4.685 ug/L
 RT: 2.79 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion: 96 Resp: 45578
 Ion Ratio Lower Upper
 96 100
 61 139.0 95.4 177.2
 98 66.5 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 97.95 (97.65 to 98.65): VV0

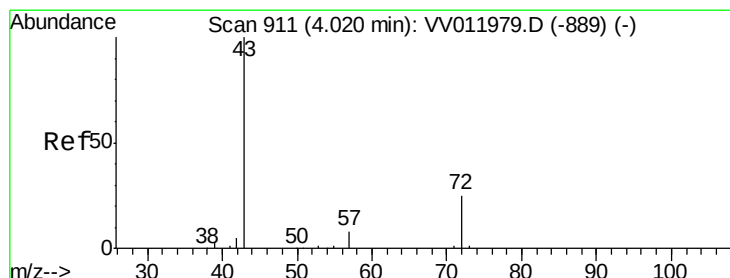
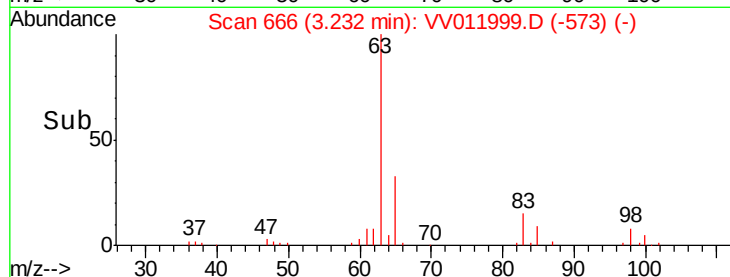
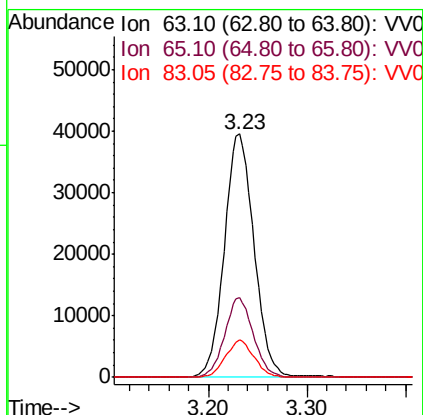
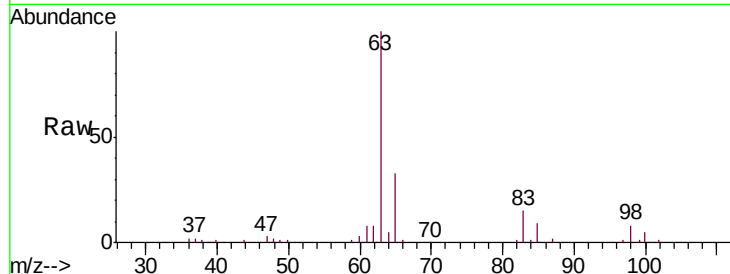




#19
 1,1-Dichloroethane
 Concen: 4.850 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

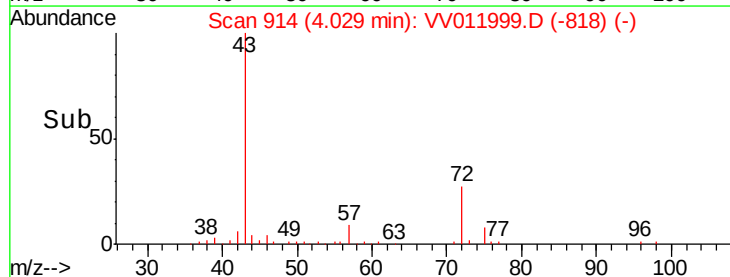
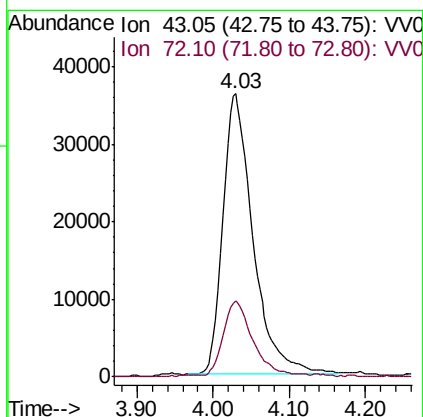
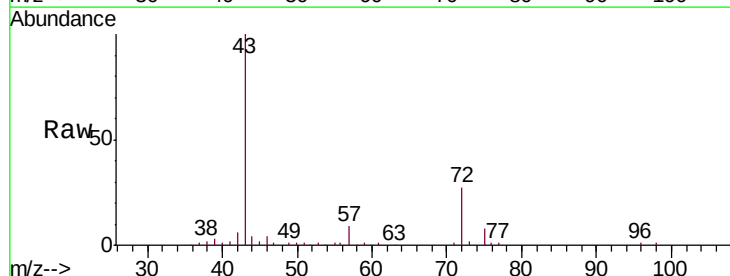
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

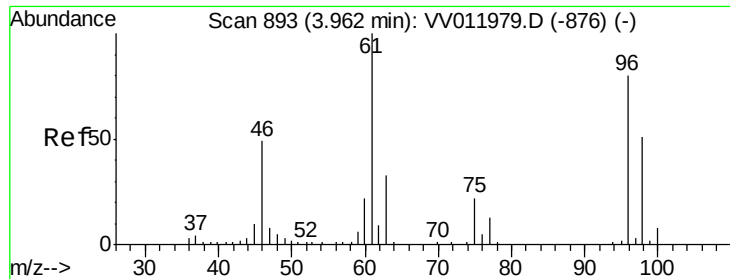
Tgt Ion: 63 Resp: 83335
 Ion Ratio Lower Upper
 63 100
 65 32.5 23.5 43.7
 83 15.4 9.7 18.1



#21
 2-Butanone
 Concen: 46.559 ug/L
 RT: 4.03 min Scan# 914
 Delta R.T. 0.01 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion: 43 Resp: 100396
 Ion Ratio Lower Upper
 43 100
 72 25.9 13.6 40.8



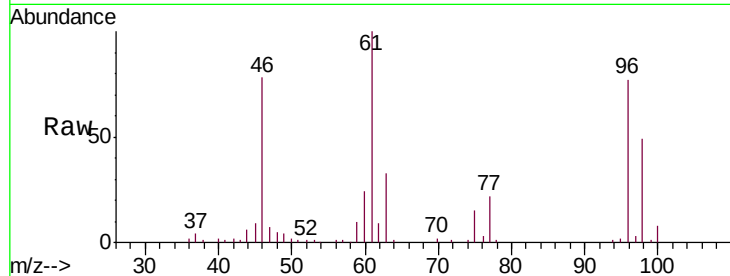


#22

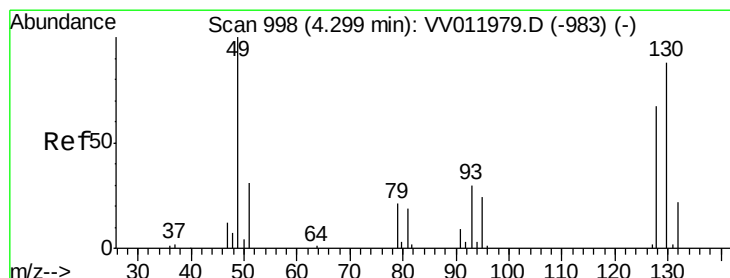
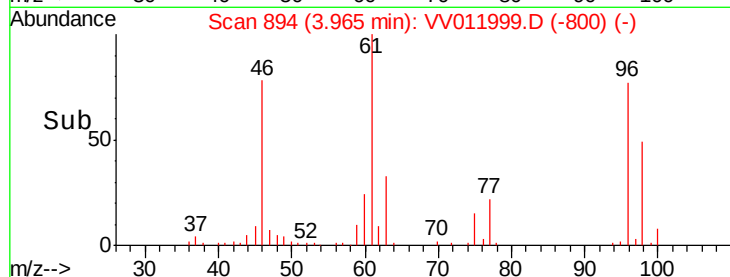
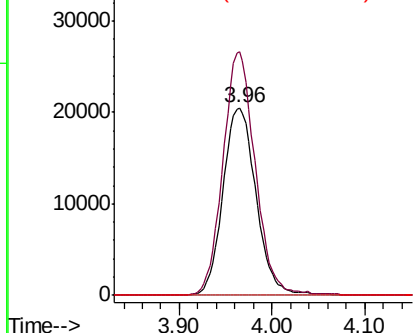
cis-1,2-Dichloroethene
 Concen: 4.858 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion: 96 Resp: 50787
 Ion Ratio Lower Upper
 96 100
 61 129.6 89.0 165.2
 68 0.0 0.0 0.0



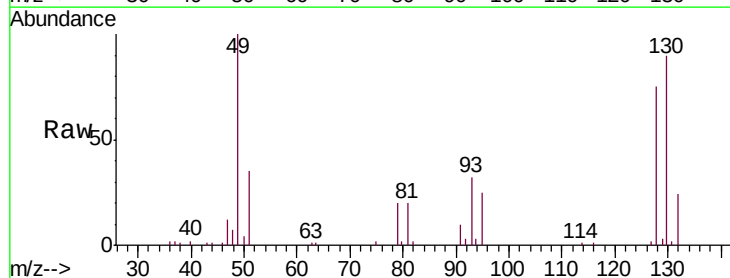
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



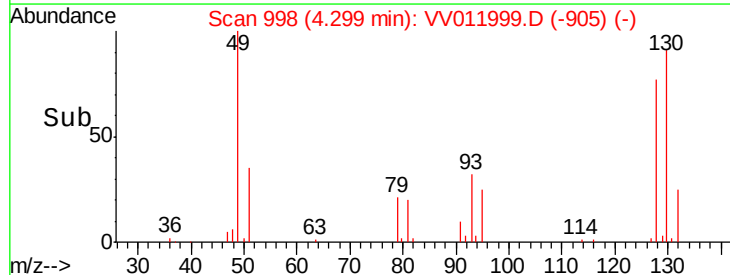
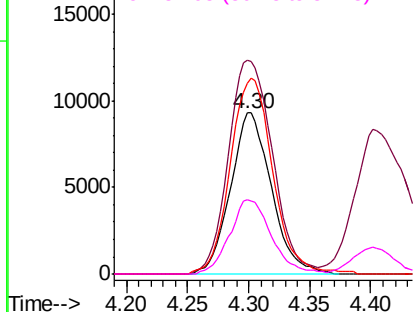
#23

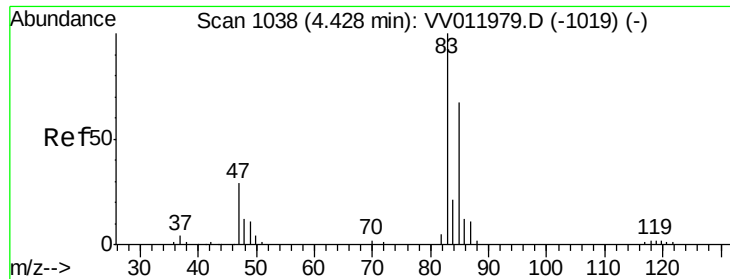
Bromochloromethane
 Concen: 5.029 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion: 128 Resp: 21618
 Ion Ratio Lower Upper
 128 100
 49 132.6 105.5 195.9
 130 118.8 88.4 164.2
 51 46.3 37.4 56.2



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

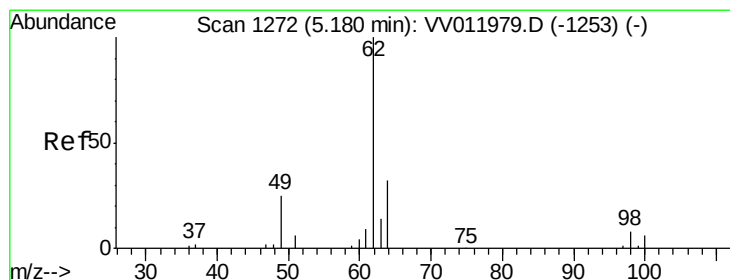
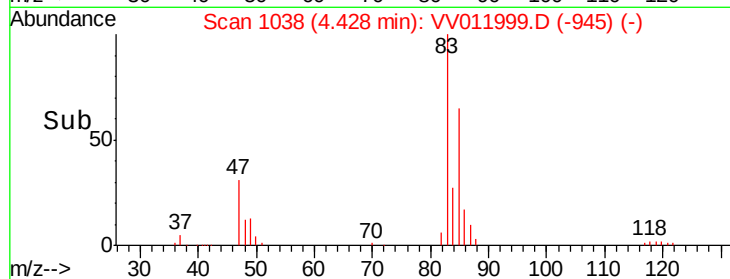
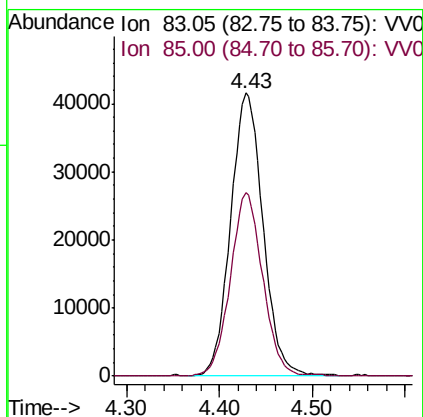
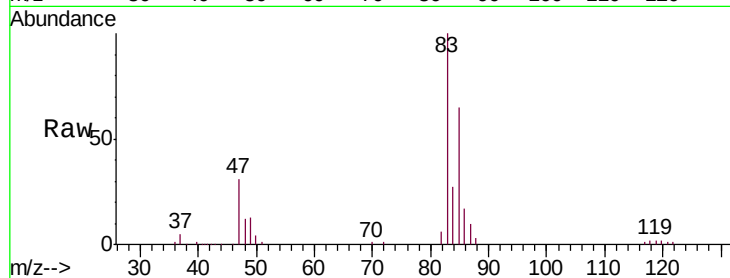




#25
Chloroform
Concen: 4.857 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

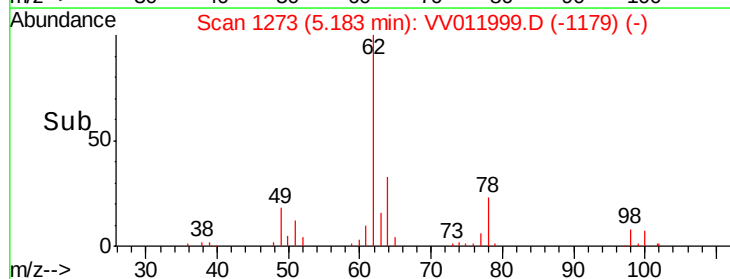
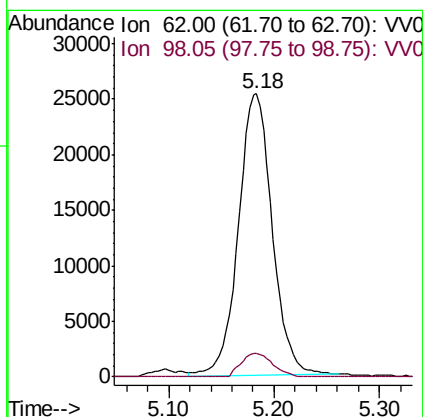
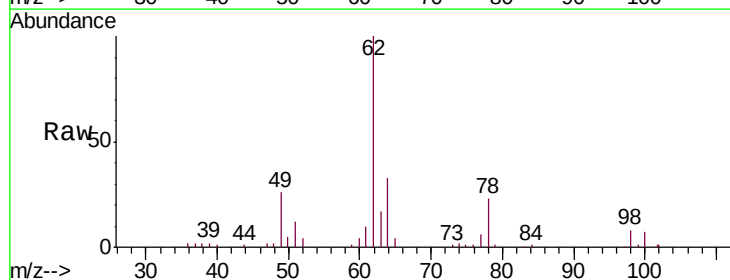
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

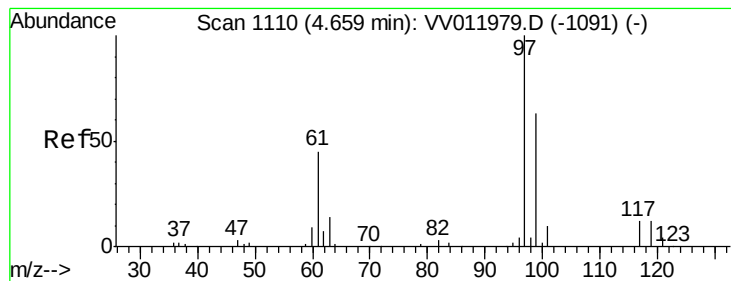
Tgt Ion: 83 Resp: 100797
Ion Ratio Lower Upper
83 100
85 64.9 46.5 86.3



#27
1,2-Dichloroethane
Concen: 4.882 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

Tgt Ion: 62 Resp: 56331
Ion Ratio Lower Upper
62 100
98 8.3 7.0 10.6





#29

1,1,1-Trichloroethane

Concen: 5.077 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

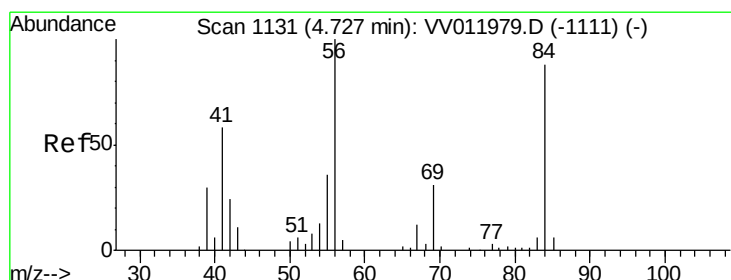
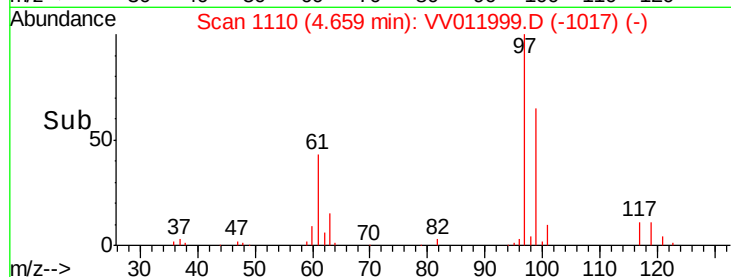
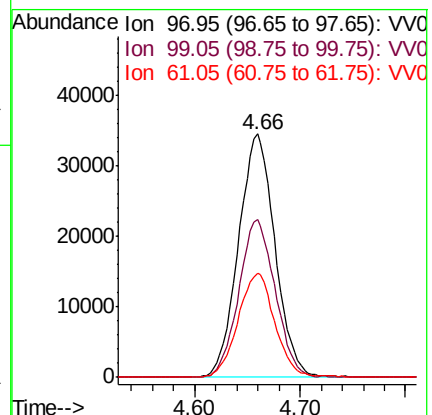
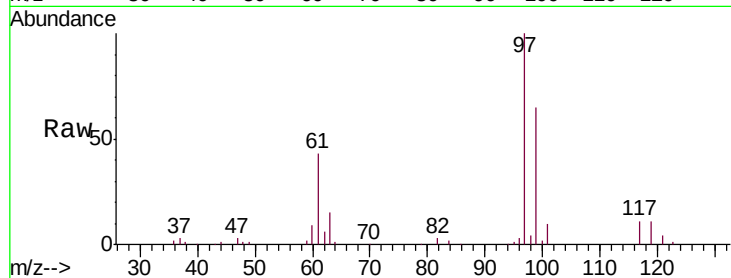
Tgt Ion: 97 Resp: 83044

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

61 43.2 35.1 52.7



#30

Cyclohexane

Concen: 4.559 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

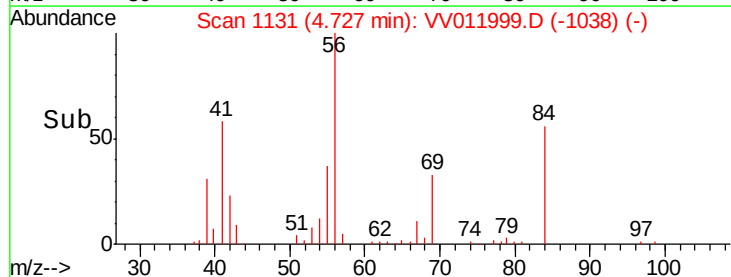
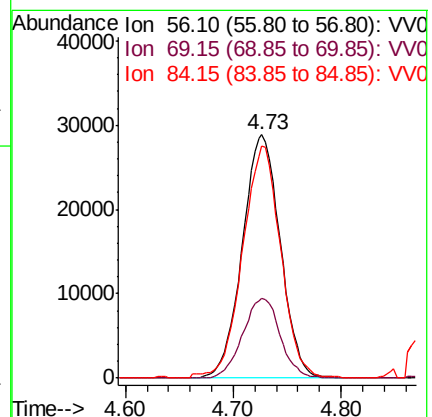
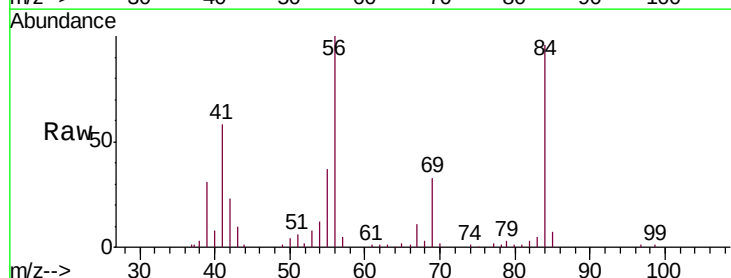
Tgt Ion: 56 Resp: 70448

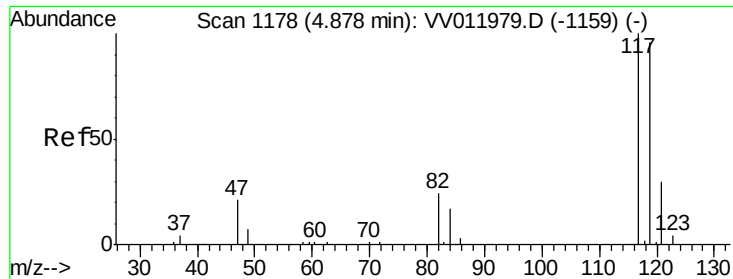
Ion Ratio Lower Upper

56 100

69 32.4 25.4 38.2

84 95.9 73.4 110.0





#31

Carbon tetrachloride

Concen: 5.046 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

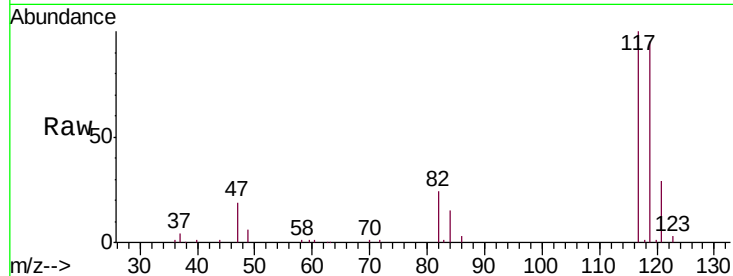
VSTD00546

Tgt Ion:117 Resp: 74295

Ion Ratio Lower Upper

117 100

119 95.9 76.4 114.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.88

30000

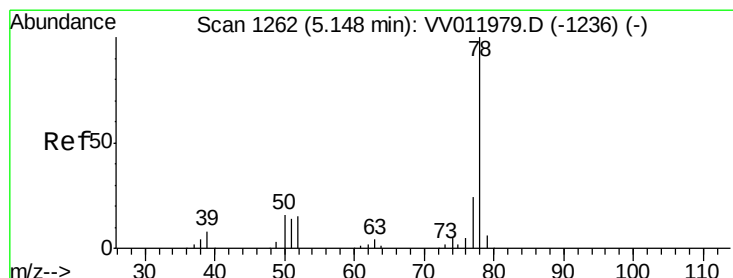
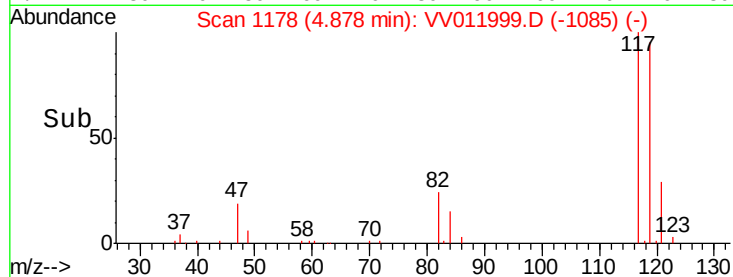
20000

10000

0

4.80 4.90 5.00

Time-->



#33

Benzene

Concen: 4.860 ug/L

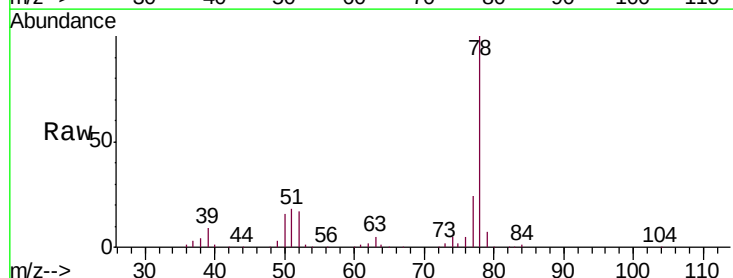
RT: 5.15 min Scan# 1262

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Tgt Ion: 78 Resp: 182688



Abundance Ion 78.10 (77.80 to 78.80): VV0

5.15

100000

80000

60000

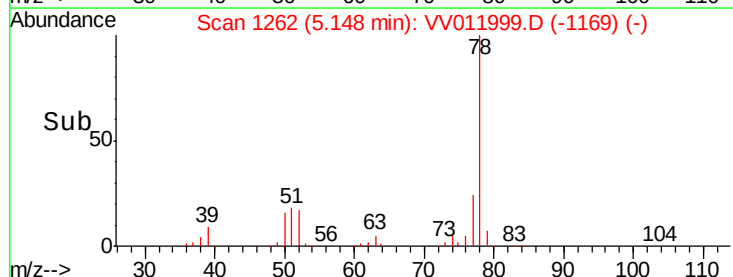
40000

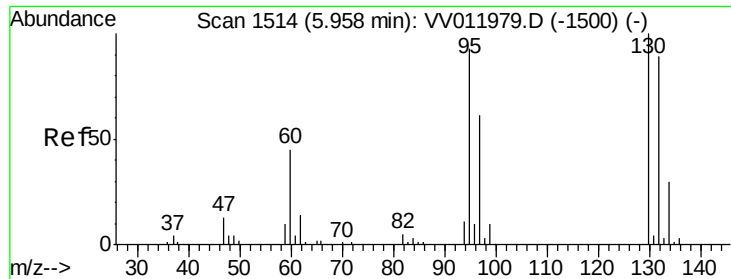
20000

0

5.05 5.10 5.15 5.20 5.25

Time-->

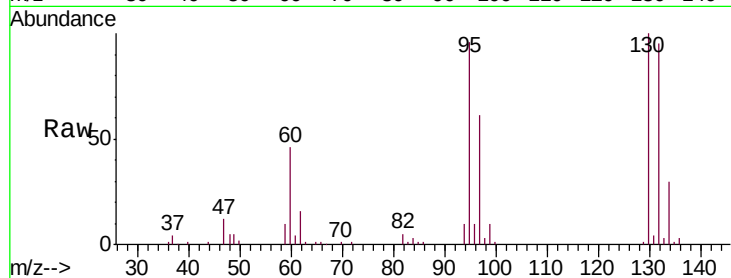




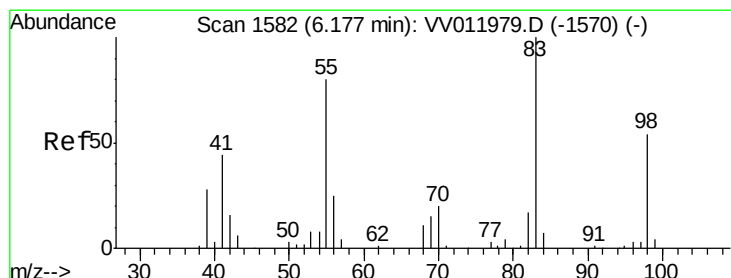
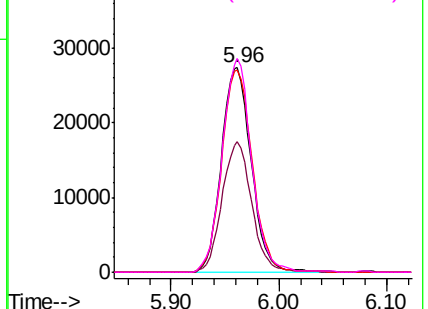
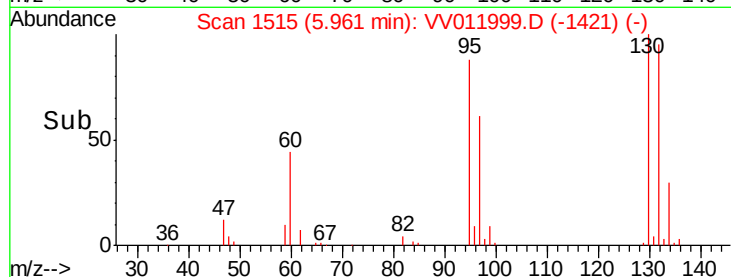
#34
 Trichloroethene
 Concen: 5.075 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion: 95 Resp: 52977
 Ion Ratio Lower Upper
 95 100
 97 64.0 45.6 84.6
 132 99.1 71.3 132.3
 130 104.5 72.8 135.2

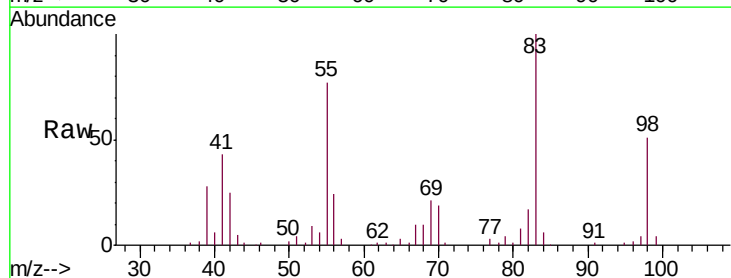


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

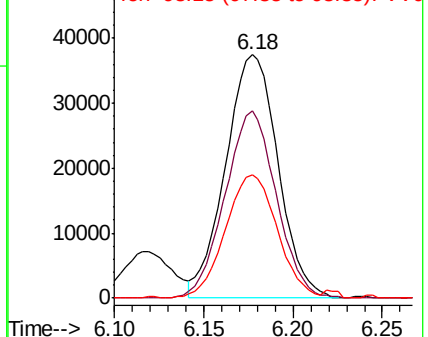
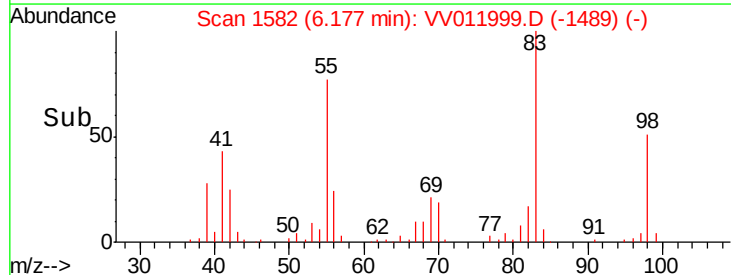


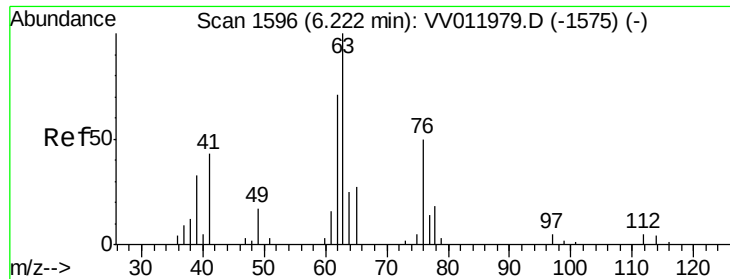
#35
 Methylcyclohexane
 Concen: 4.720 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion: 83 Resp: 76685
 Ion Ratio Lower Upper
 83 100
 55 75.1 63.0 94.4
 98 50.2 41.4 62.0



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0

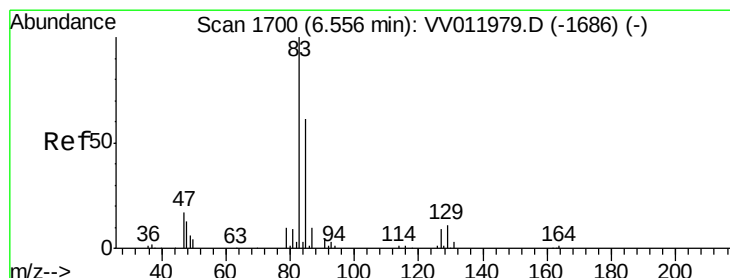
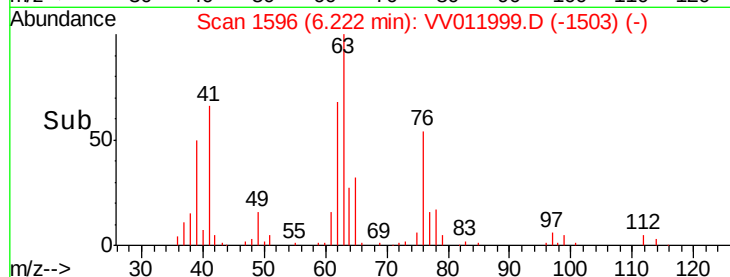
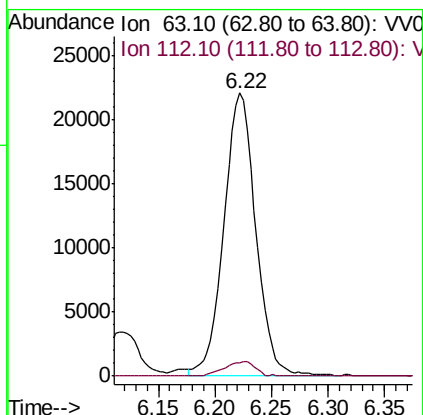
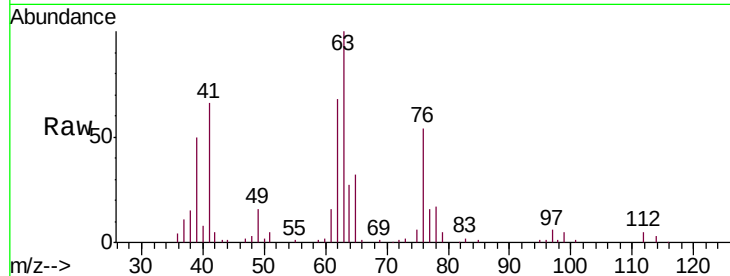




#37
 1,2-Dichloropropane
 Concen: 4.816 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

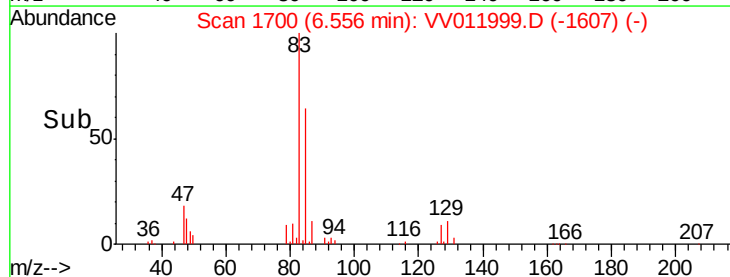
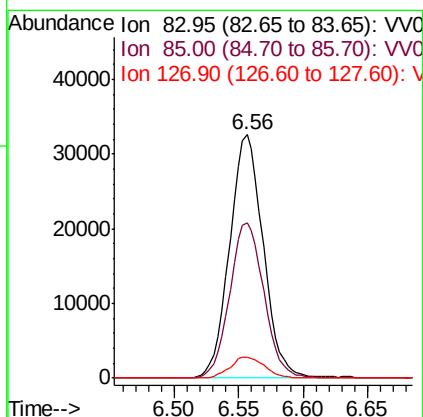
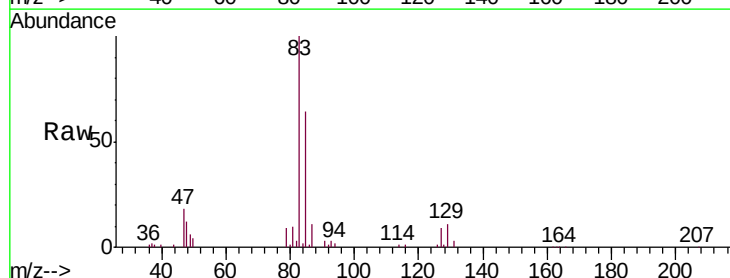
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

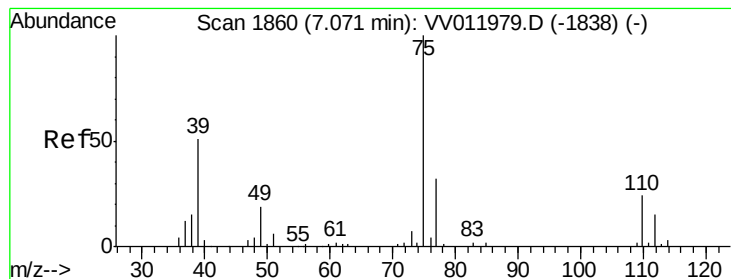
Tgt Ion: 63 Resp: 43525
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.4



#38
 Bromodichloromethane
 Concen: 4.888 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion: 83 Resp: 59022
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.4 82.4
 127 8.6 7.9 11.9



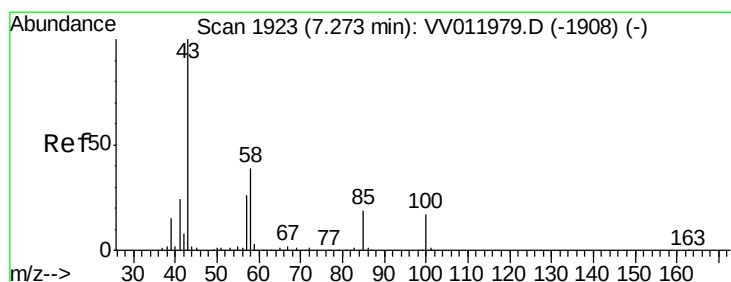
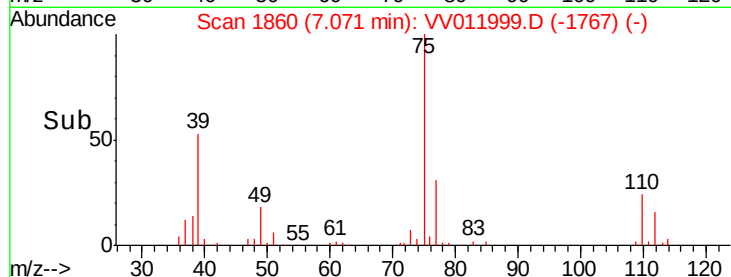
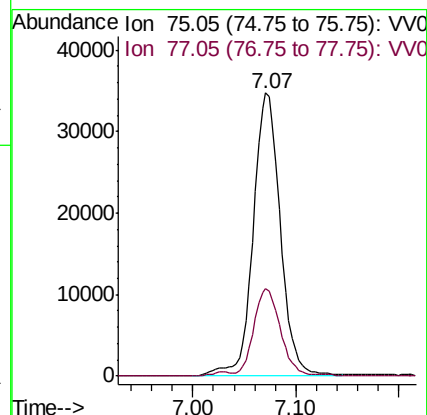
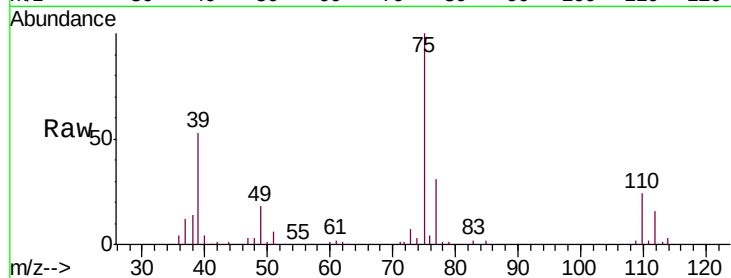


#39

cis-1,3-Dichloropropene
Concen: 4.743 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

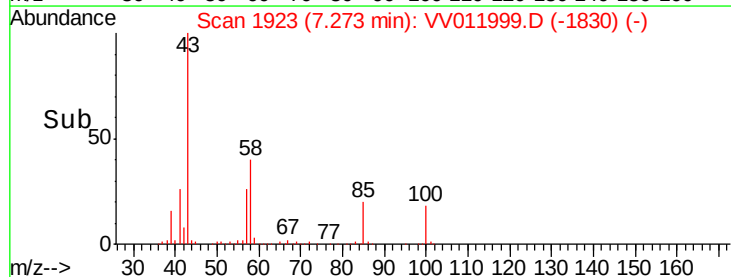
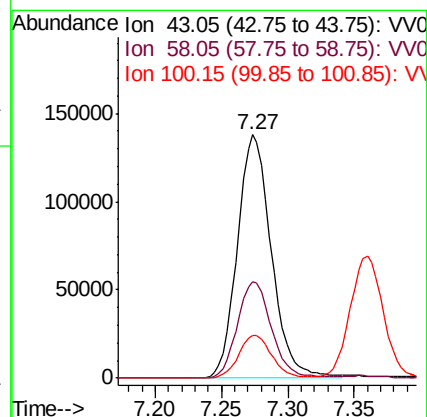
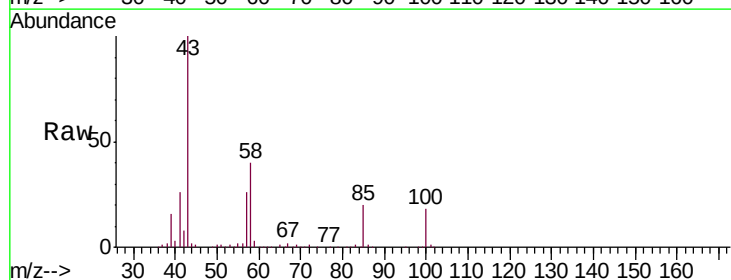
Tgt Ion: 75 Resp: 63534
Ion Ratio Lower Upper
75 100
77 30.9 21.3 39.6

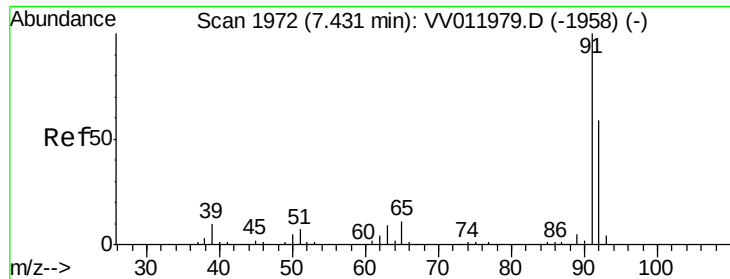


#40

4-Methyl-2-pentanone
Concen: 48.657 ug/L
RT: 7.27 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

Tgt Ion: 43 Resp: 245678
Ion Ratio Lower Upper
43 100
58 40.1 31.2 46.8
100 17.2 13.5 20.3





#42

Toluene

Concen: 5.038 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

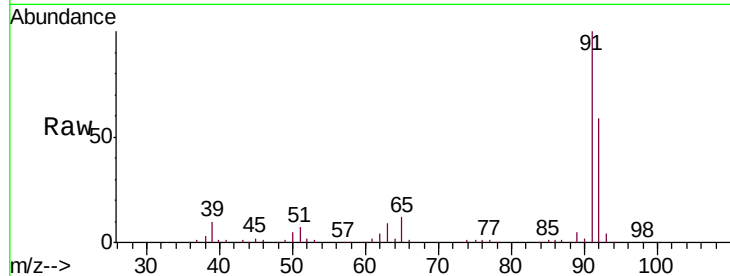
VSTD00546

Tgt Ion: 91 Resp: 203254

Ion Ratio Lower Upper

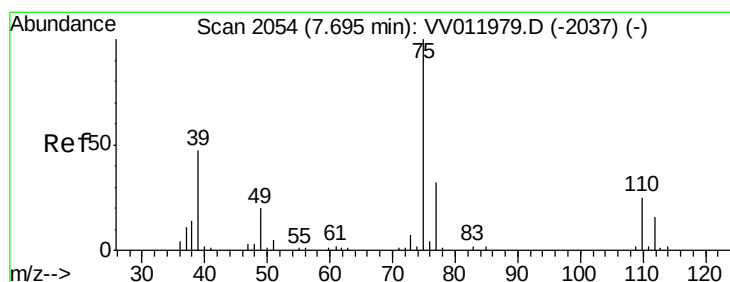
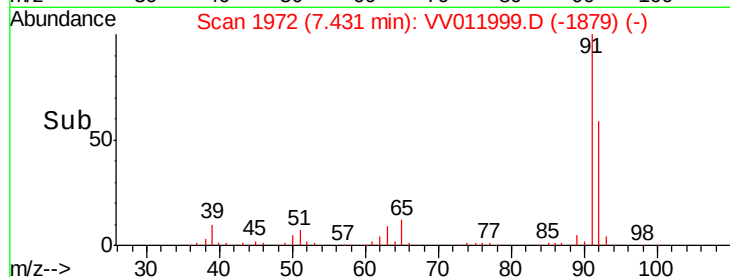
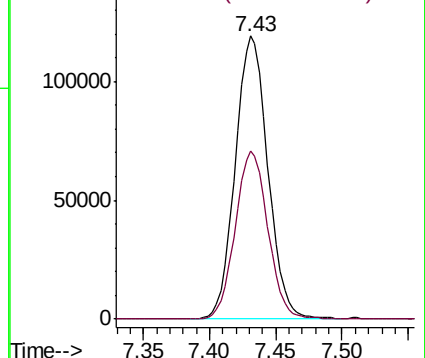
91 100

92 59.3 41.9 77.9



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 4.590 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV011999.D

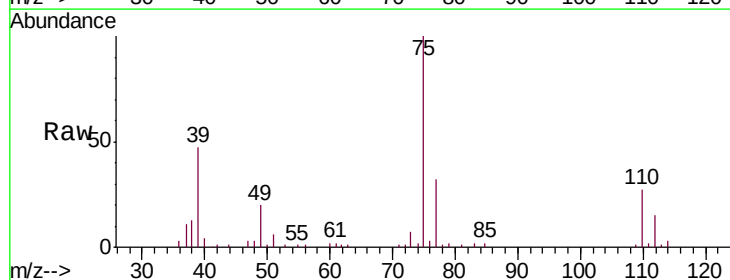
Acq: 24 Jul 2019 06:40

Tgt Ion: 75 Resp: 48905

Ion Ratio Lower Upper

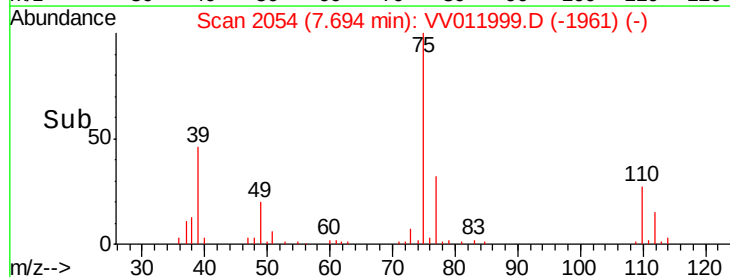
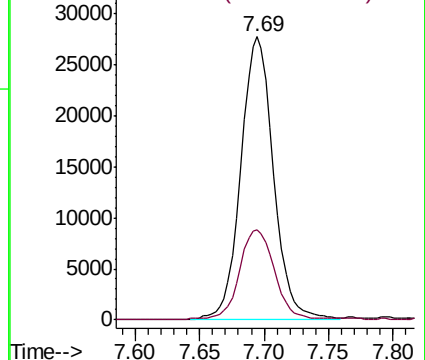
75 100

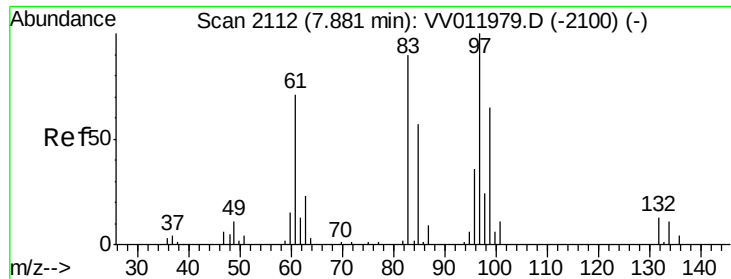
77 31.7 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

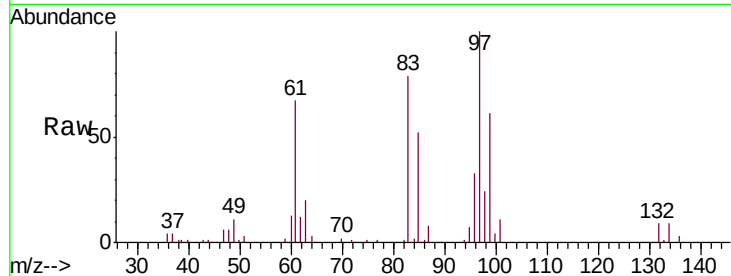




#45
 1,1,2-Trichloroethane
 Concen: 4.906 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion:	97	Resp:	30620
Ion	Ratio	Lower	Upper
97	100		
99	60.8	44.0	81.8
83	79.0	59.5	110.5
85	52.4	36.6	68.0



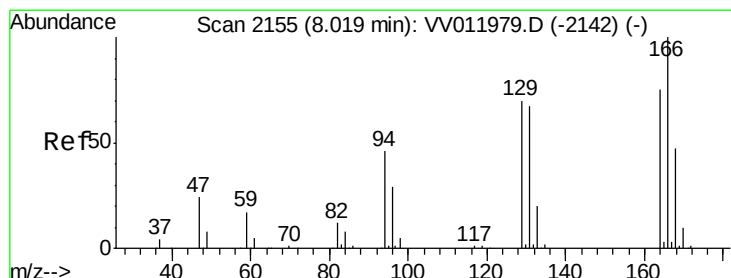
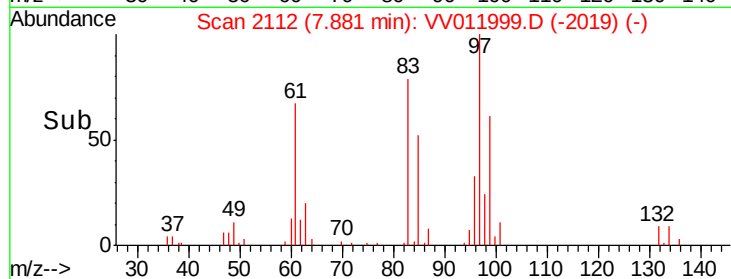
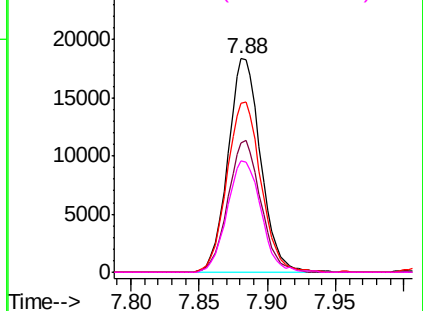
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

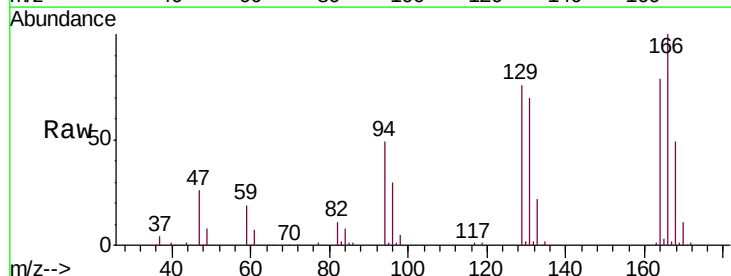
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.814 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion:	164	Resp:	43362
Ion	Ratio	Lower	Upper
164	100		
129	95.9	62.5	116.1
131	89.2	58.6	108.8
166	127.0	88.2	163.8



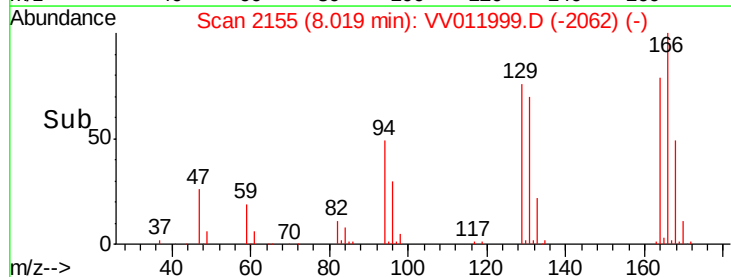
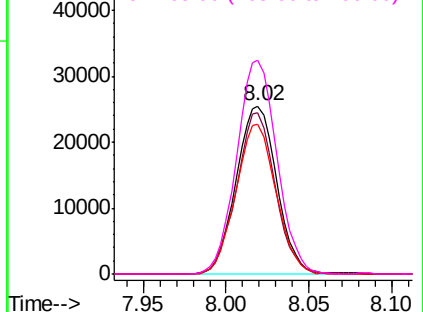
Abundance

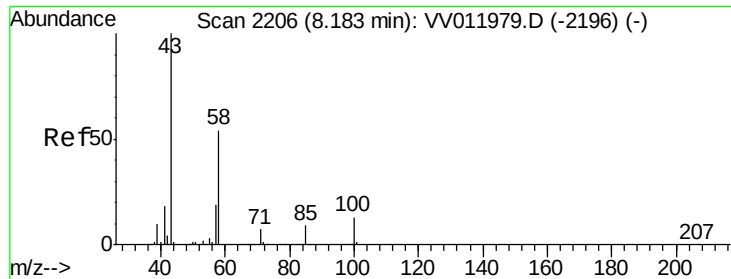
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

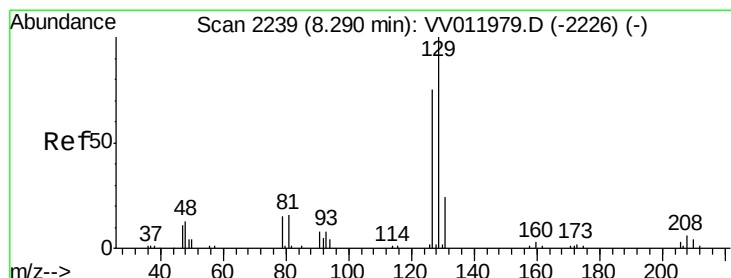
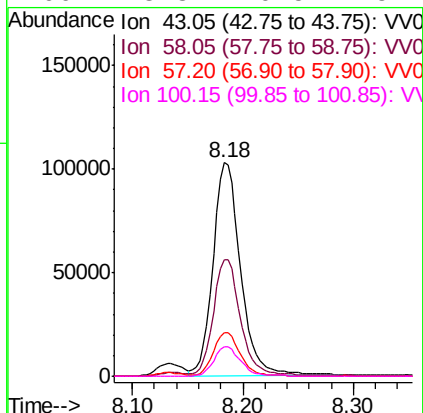
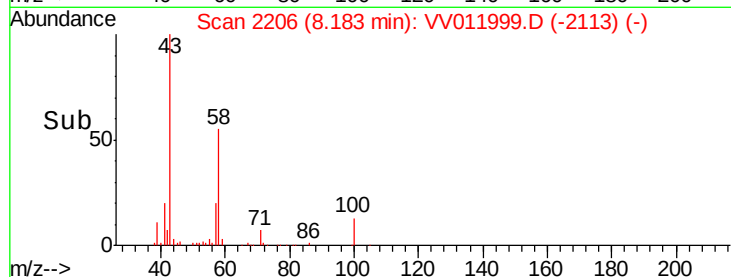
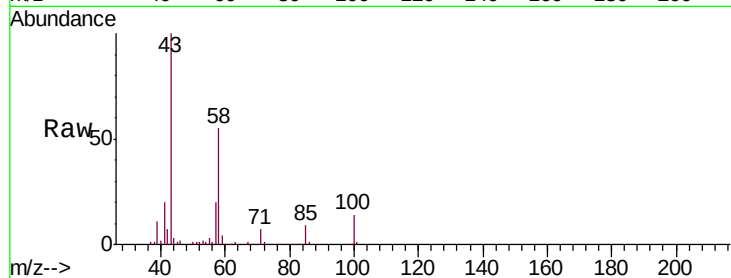




#48
2-Hexanone
Concen: 49.834 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

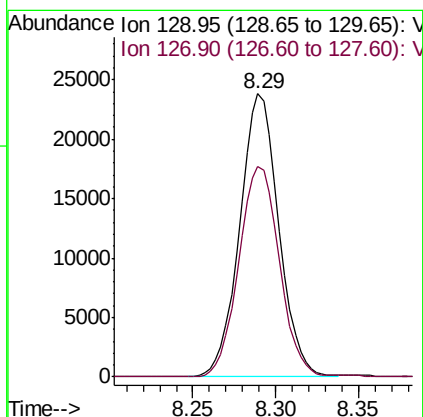
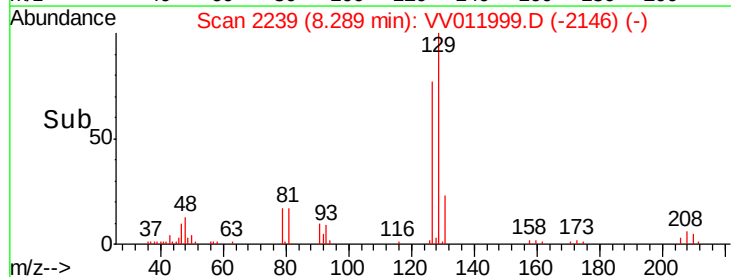
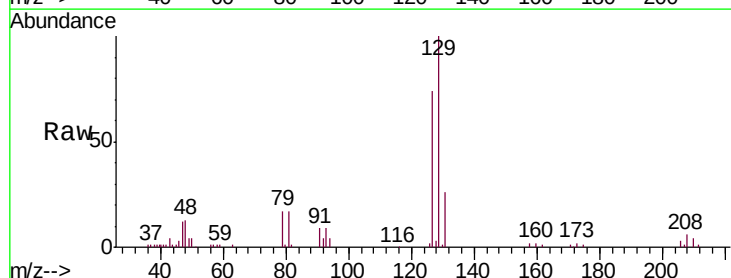
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

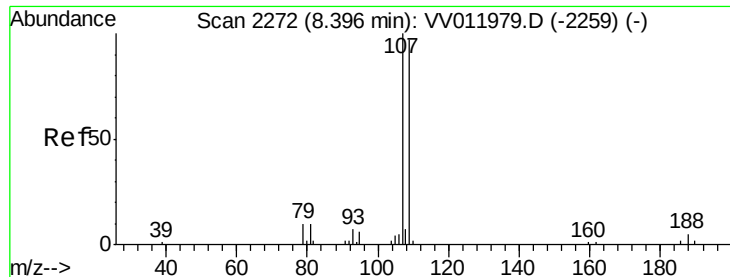
Tgt Ion: 43 Resp: 176513
Ion Ratio Lower Upper
43 100
58 53.5 43.7 65.5
57 20.6 16.0 24.0
100 13.8 10.5 15.7



#49
Dibromochloromethane
Concen: 5.100 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

Tgt Ion: 129 Resp: 38975
Ion Ratio Lower Upper
129 100
127 74.1 55.3 102.7

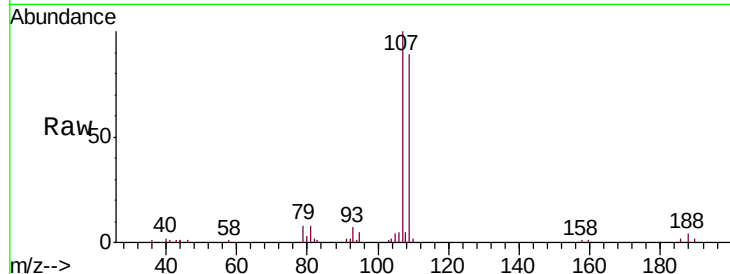




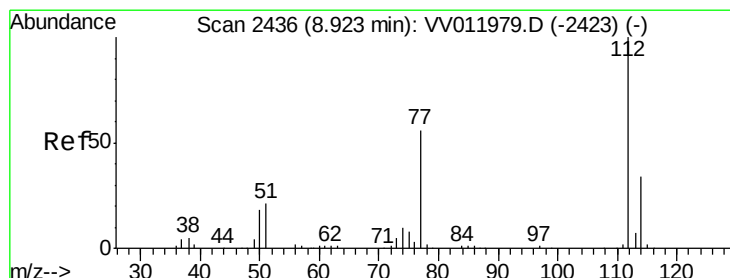
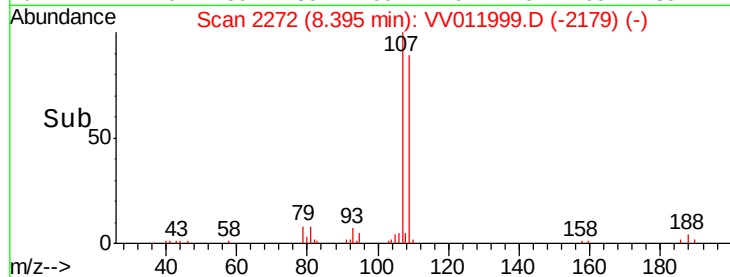
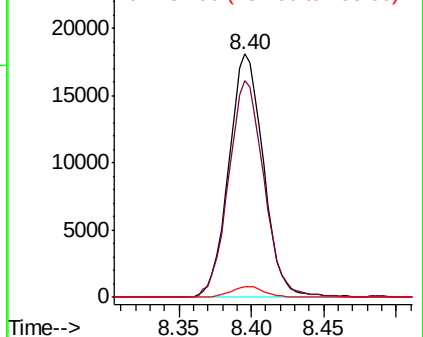
#50
1,2-Dibromoethane
Concen: 5.081 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

Tgt Ion:107 Resp: 29943
Ion Ratio Lower Upper
107 100
109 88.9 68.1 126.5
188 4.2 3.5 5.3

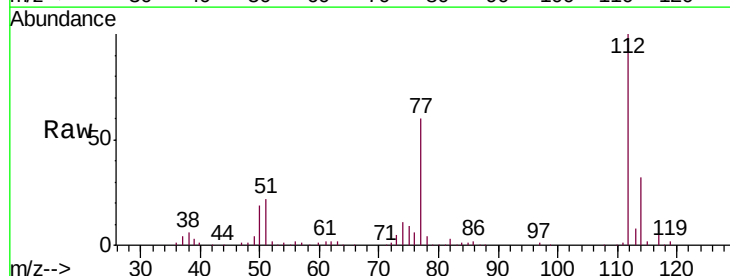


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

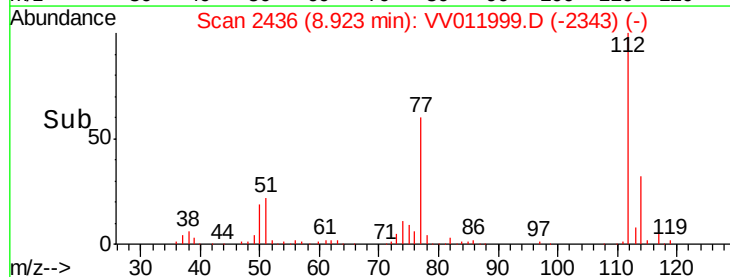
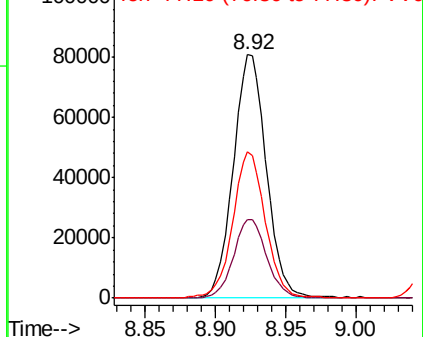


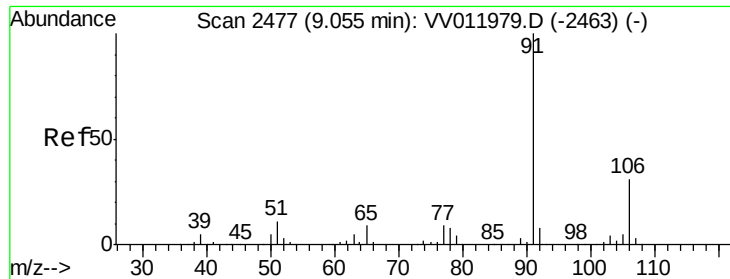
#51
Chlorobenzene
Concen: 5.039 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

Tgt Ion:112 Resp: 133119
Ion Ratio Lower Upper
112 100
114 32.4 23.0 42.8
77 59.9 46.4 69.6



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 4.964 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

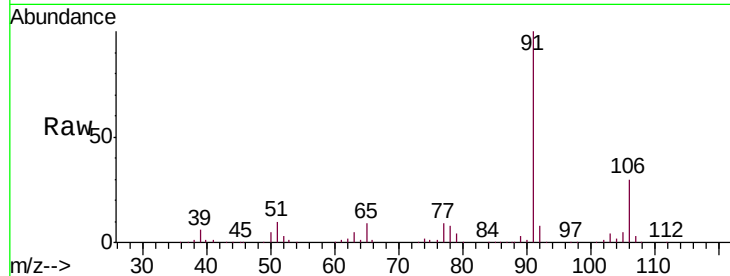
VSTD00546

Tgt Ion: 91 Resp: 228608

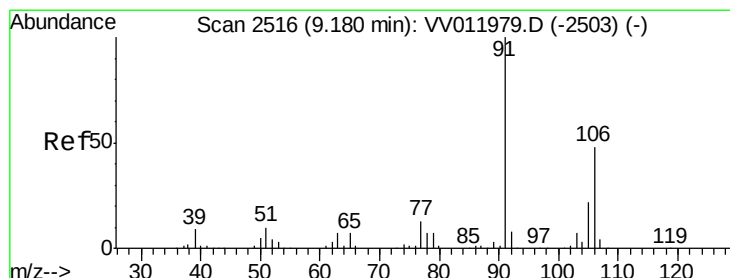
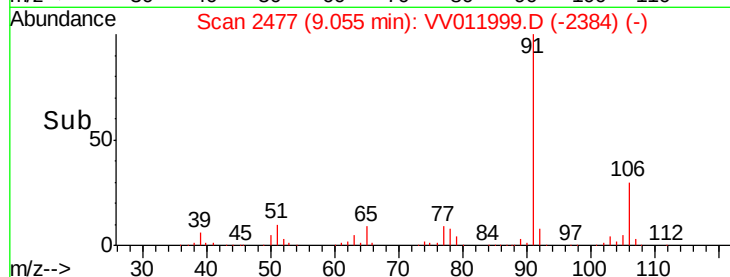
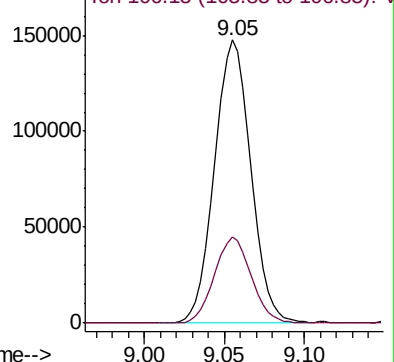
Ion Ratio Lower Upper

91 100

106 30.4 21.6 40.0



Abundance Ion 91.15 (90.85 to 91.85): VV011999.D (-2463) (-)



#53

m,p-xylene

Concen: 5.105 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011999.D

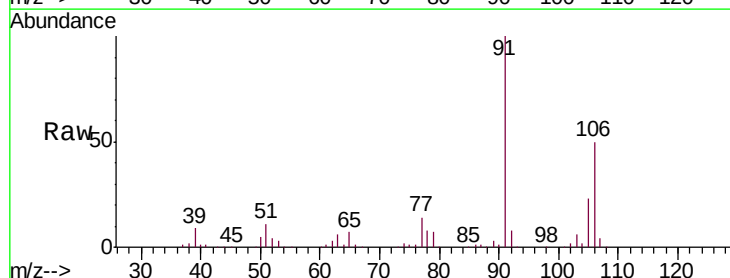
Acq: 24 Jul 2019 06:40

Tgt Ion: 106 Resp: 89495

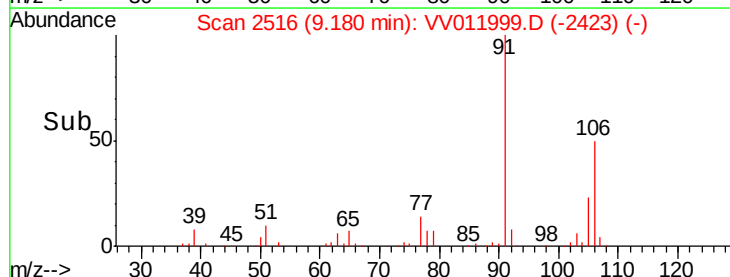
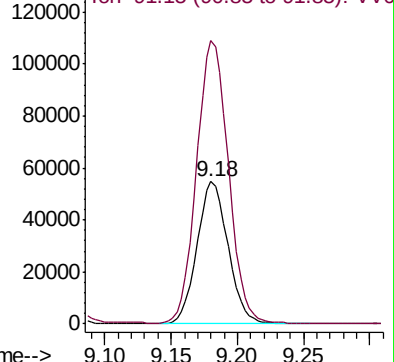
Ion Ratio Lower Upper

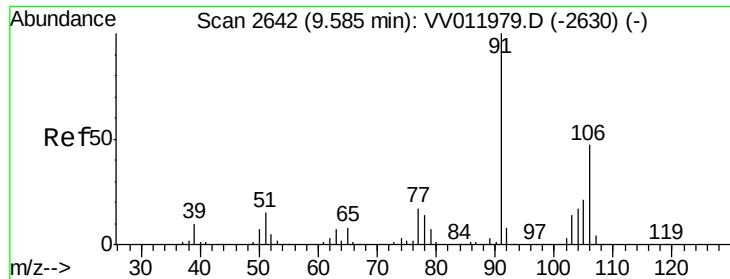
106 100

91 198.7 142.7 265.1



Abundance Ion 106.15 (105.85 to 106.85): VV011999.D (-2503) (-)

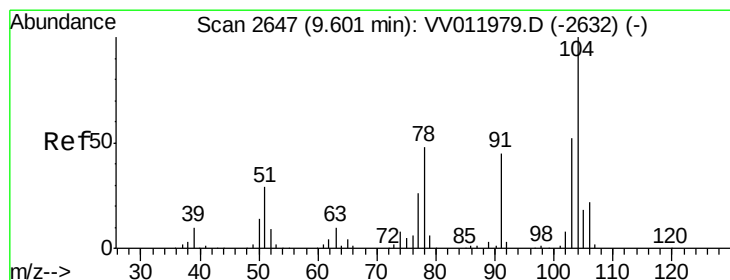
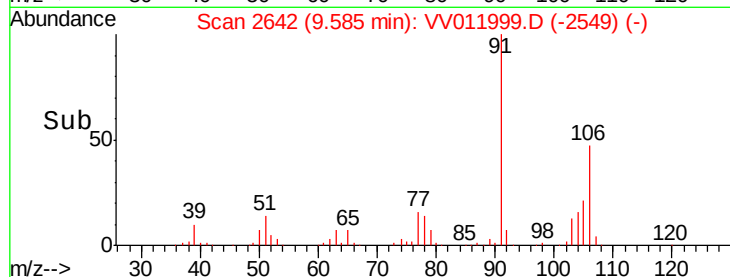
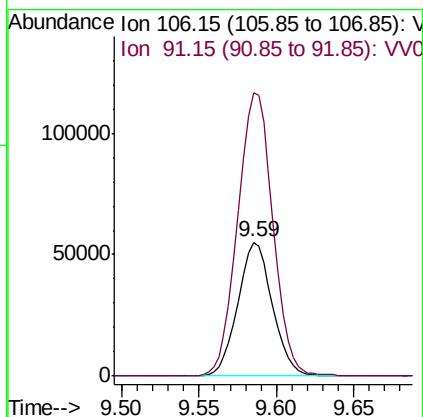
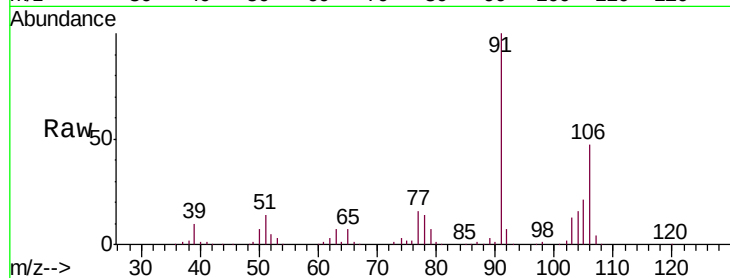




#54
o-xylene
Concen: 5.123 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

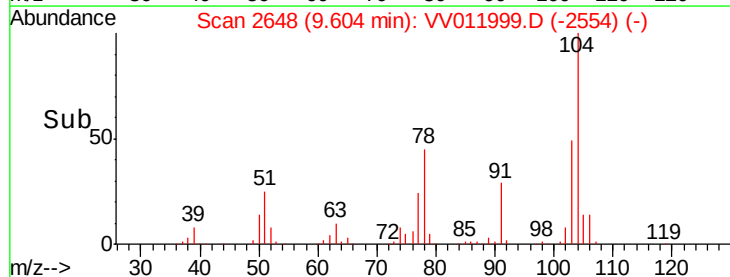
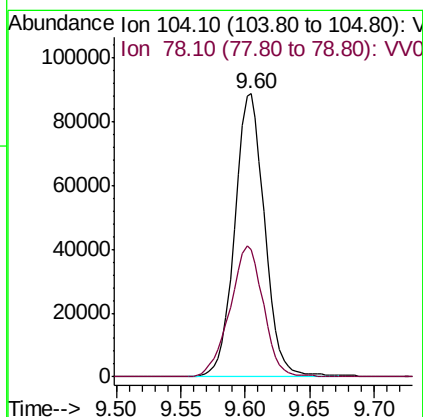
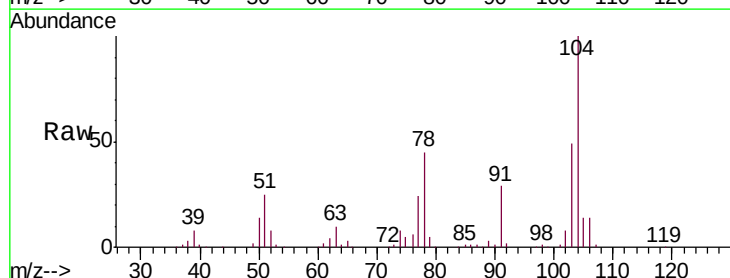
Instrument :
MSVOA_V
ClientSampleId :
VSTD00546

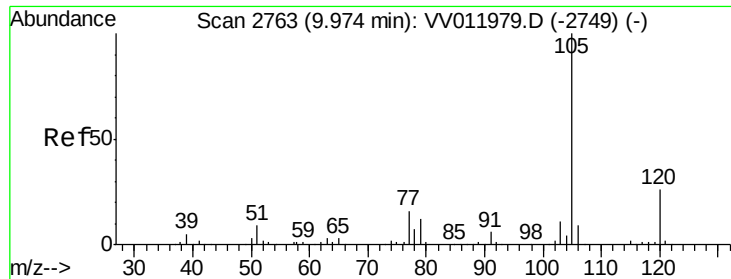
Tgt Ion:106 Resp: 85152
Ion Ratio Lower Upper
106 100
91 211.5 151.0 280.4



#55
Styrene
Concen: 5.113 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV011999.D
Acq: 24 Jul 2019 06:40

Tgt Ion:104 Resp: 143229
Ion Ratio Lower Upper
104 100
78 45.0 30.8 57.2





#56

Isopropylbenzene

Concen: 4.864 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

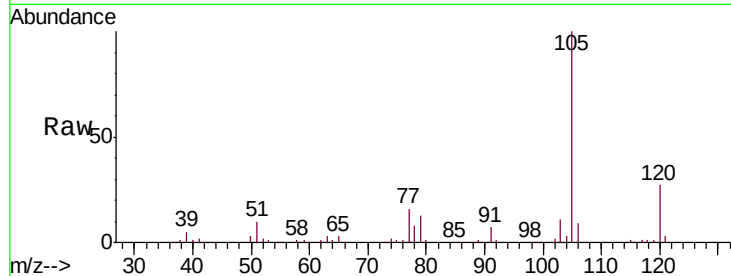
Tgt Ion: 105 Resp: 225765

Ion Ratio Lower Upper

105 100

120 26.9 20.8 31.2

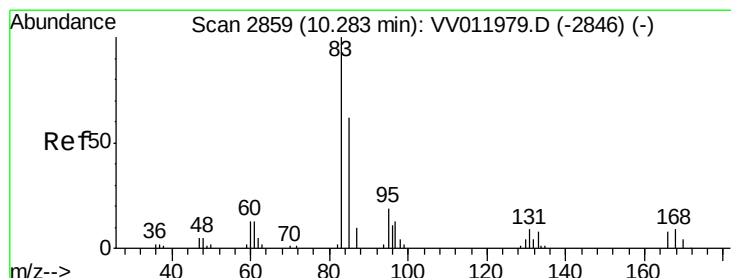
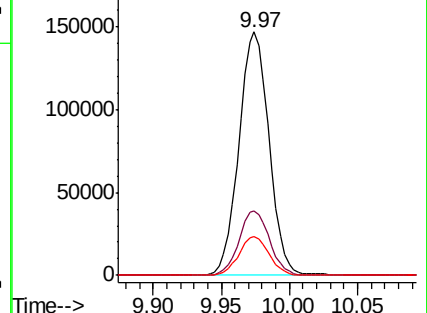
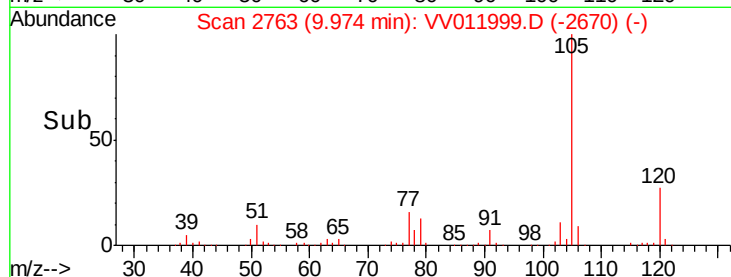
77 16.1 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.971 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

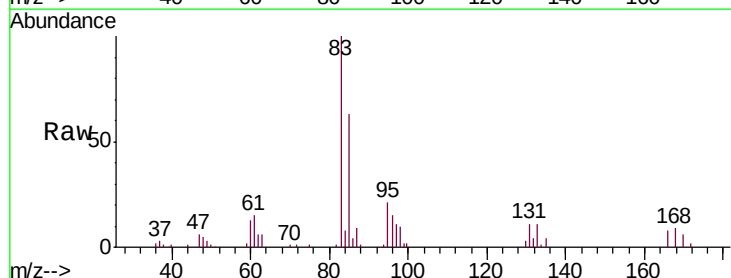
Tgt Ion: 83 Resp: 33628

Ion Ratio Lower Upper

83 100

85 62.8 46.3 85.9

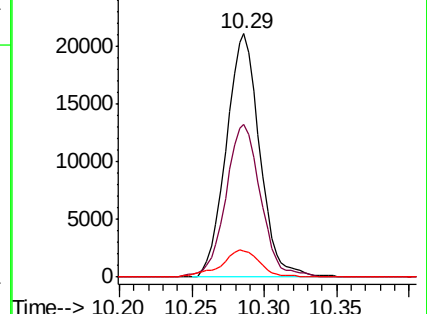
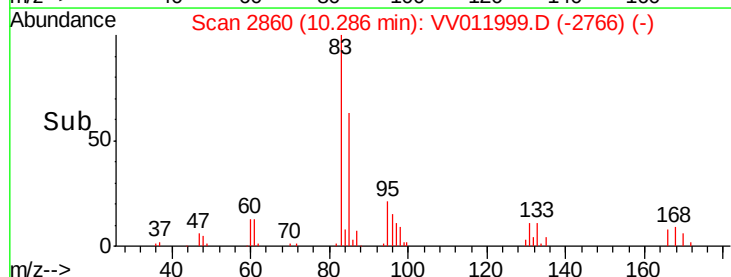
131 10.9 8.9 13.3

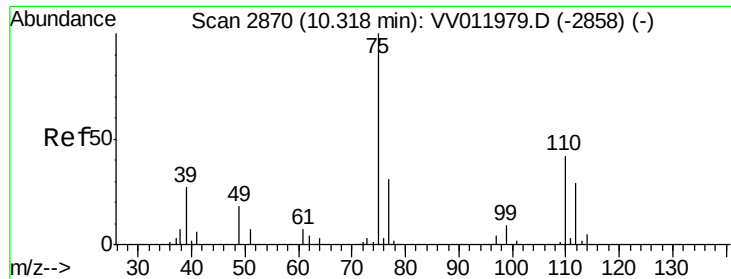


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

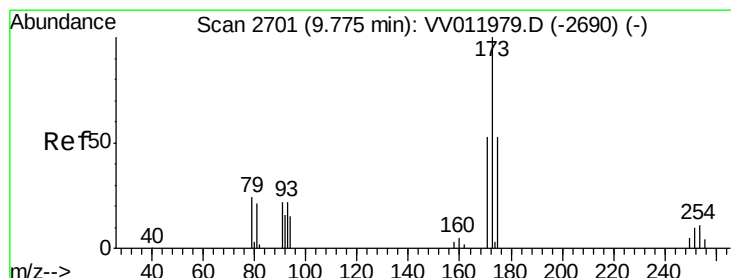
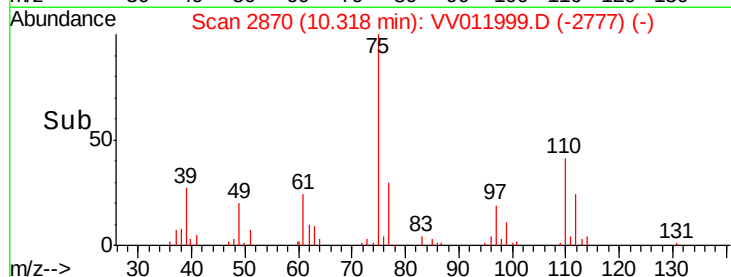
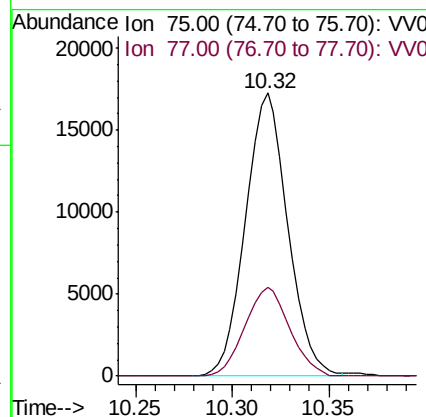
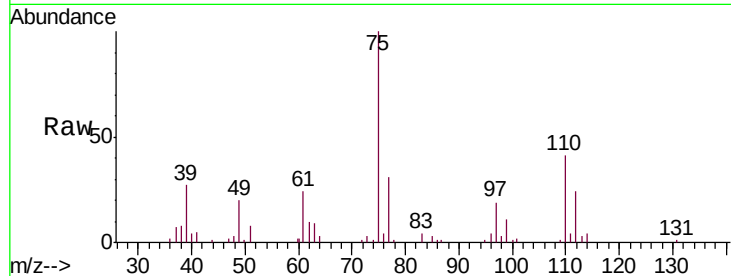




#59
 1,2,3-Trichloropropane
 Concen: 4.992 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

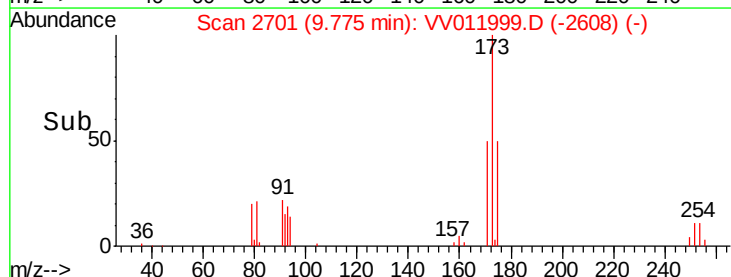
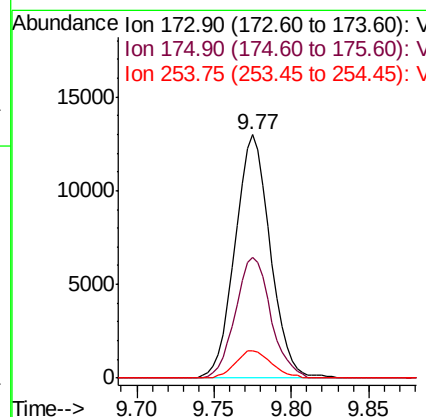
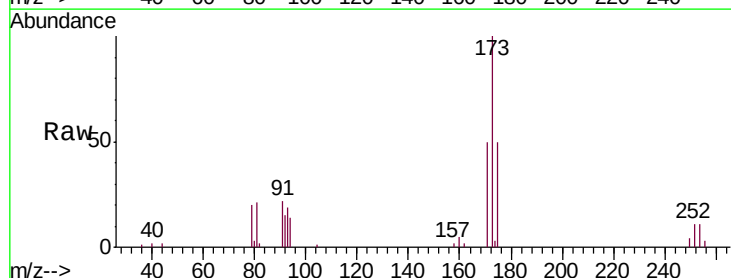
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

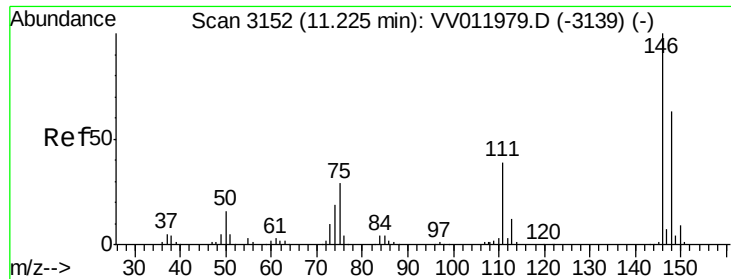
Tgt Ion: 75 Resp: 26311
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.2 39.2



#61
 Bromoform
 Concen: 4.897 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion: 173 Resp: 20458
 Ion Ratio Lower Upper
 173 100
 175 49.8 39.6 59.4
 254 11.5 7.9 11.9





#62

1,3-Dichlorobenzene

Concen: 4.866 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

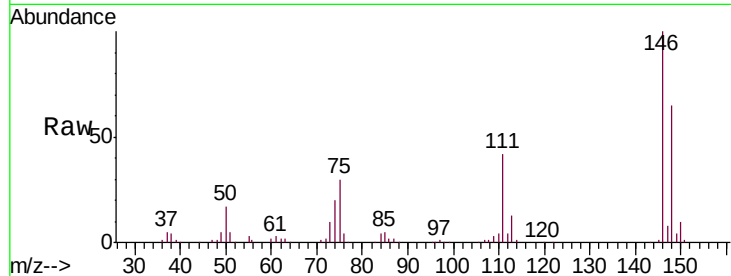
Tgt Ion:146 Resp: 108323

Ion Ratio Lower Upper

146 100

111 41.6 27.1 50.3

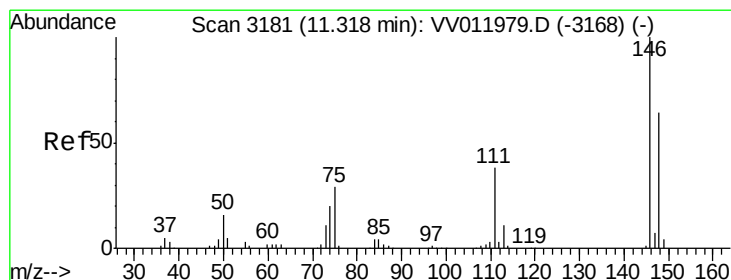
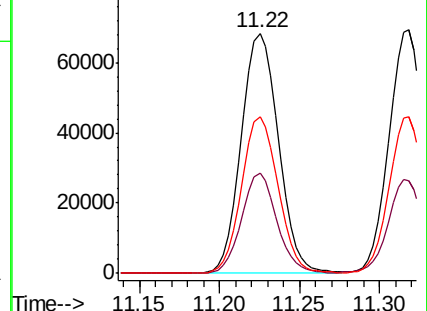
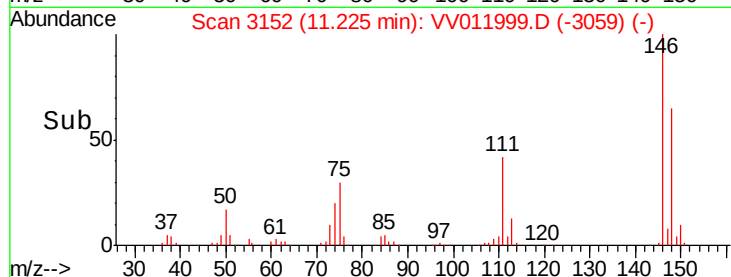
148 65.0 44.5 82.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 4.800 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

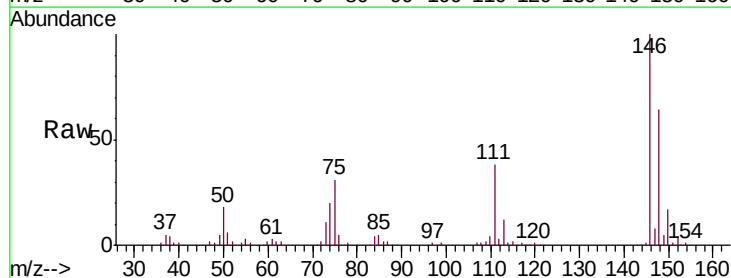
Tgt Ion:146 Resp: 109997

Ion Ratio Lower Upper

146 100

111 38.0 26.0 48.2

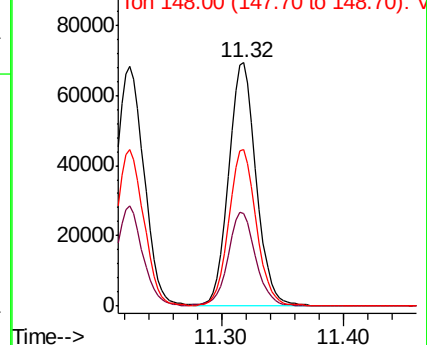
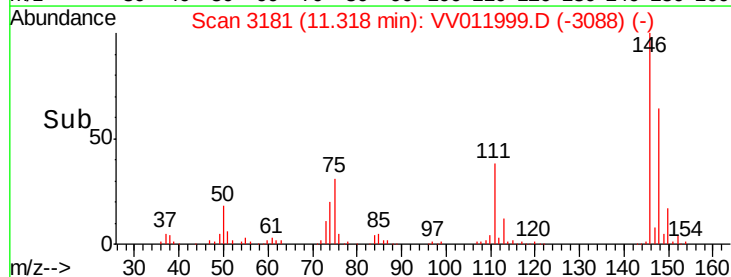
148 64.1 43.0 80.0

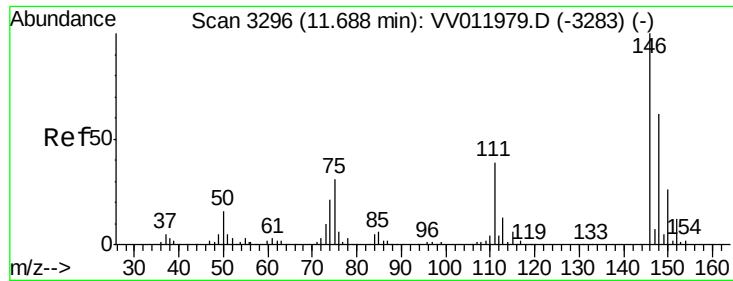


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

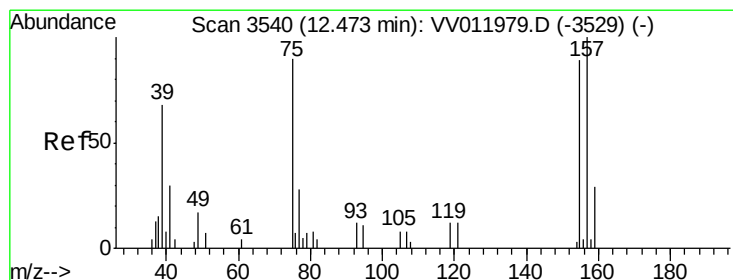
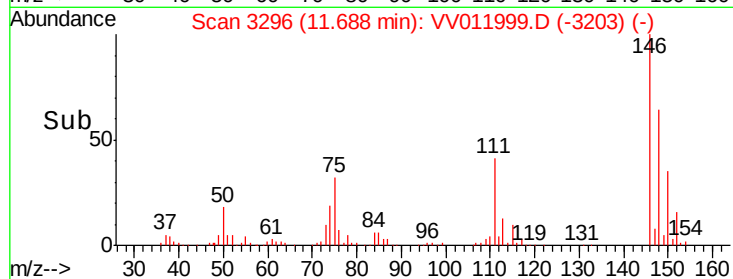
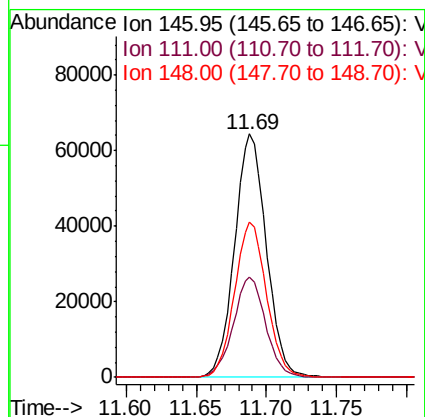
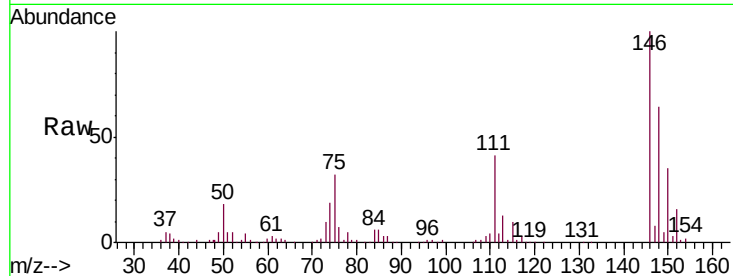




#65
 1,2-Dichlorobenzene
 Concen: 4.966 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

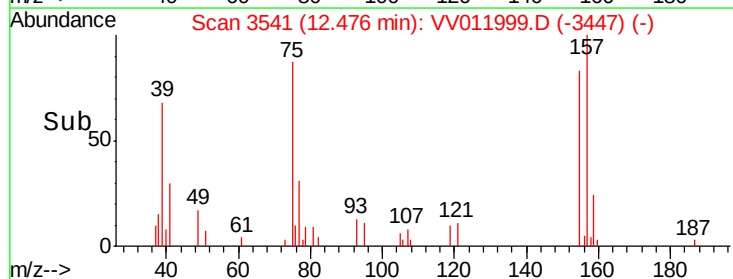
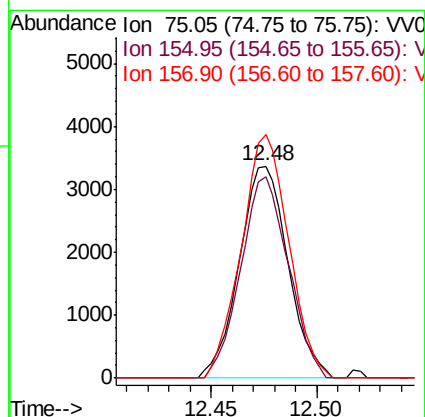
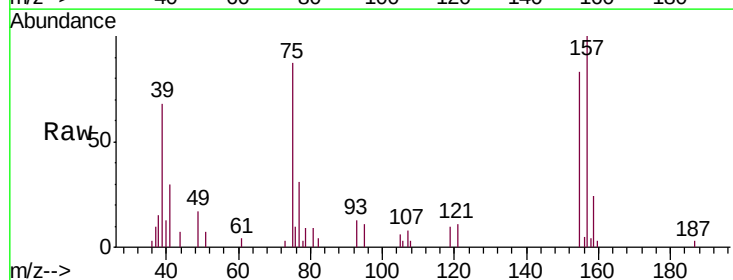
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

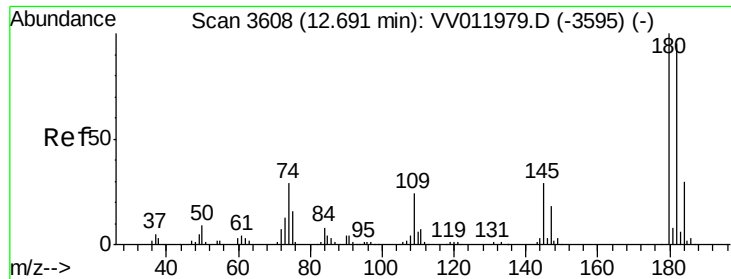
Tgt Ion: 146 Resp: 101766
 Ion Ratio Lower Upper
 146 100
 111 41.1 32.5 48.7
 148 64.0 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.541 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion: 75 Resp: 5406
 Ion Ratio Lower Upper
 75 100
 155 95.0 69.5 104.3
 157 114.9 96.2 144.2

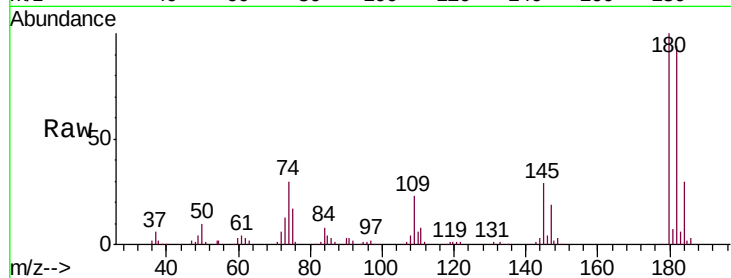




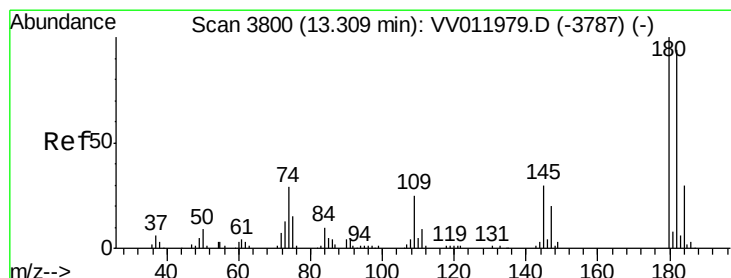
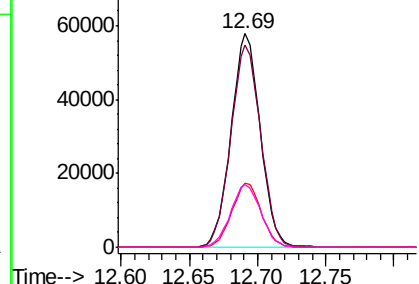
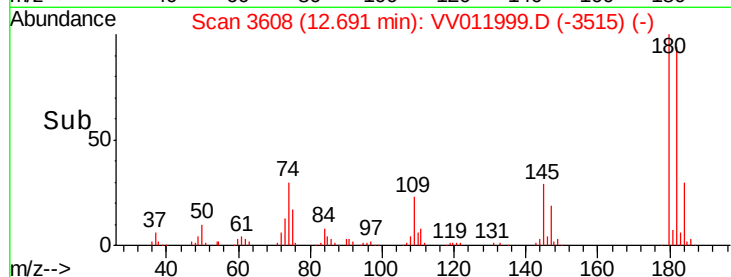
#67
 1,3,5-Trichlorobenzene
 Concen: 4.628 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00546

Tgt Ion:180 Resp: 86155
 Ion Ratio Lower Upper
 180 100
 182 96.7 77.4 116.0
 184 30.3 25.2 37.8
 145 30.3 24.4 36.6

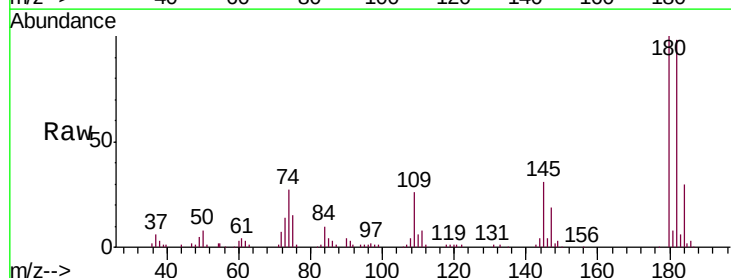


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

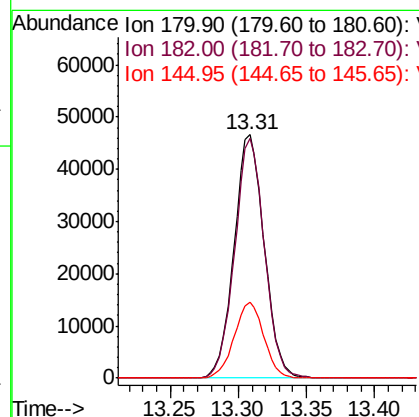
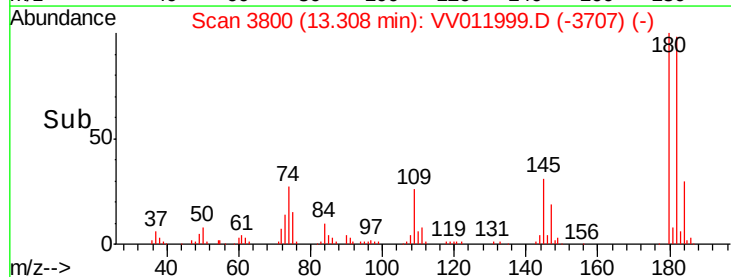


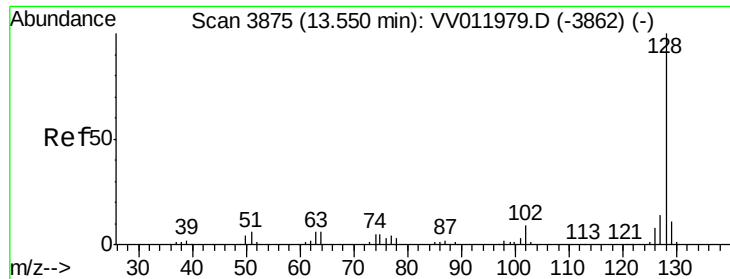
#68
 1,2,4-trichlorobenzene
 Concen: 4.727 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011999.D
 Acq: 24 Jul 2019 06:40

Tgt Ion:180 Resp: 71474
 Ion Ratio Lower Upper
 180 100
 182 96.9 75.8 113.8
 145 30.6 23.4 35.2



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.696 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

Instrument :

MSVOA_V

ClientSampleId :

VSTD00546

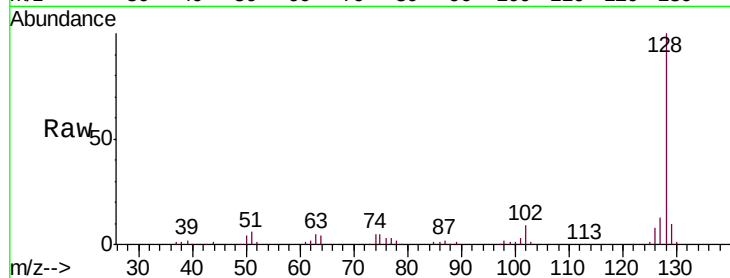
Tgt Ion:128 Resp: 107068

Ion Ratio Lower Upper

128 100

129 10.4 8.2 12.2

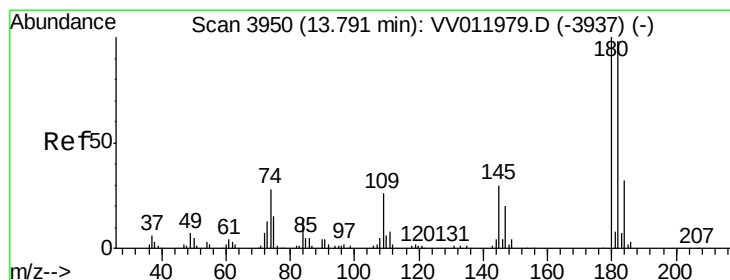
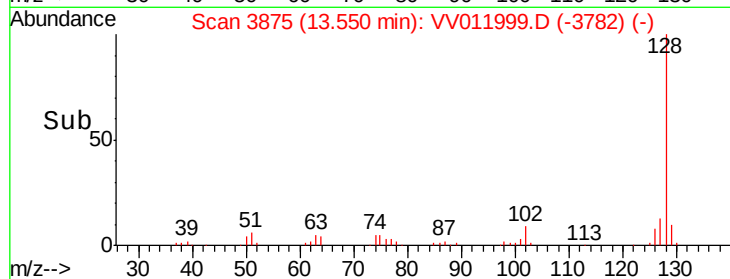
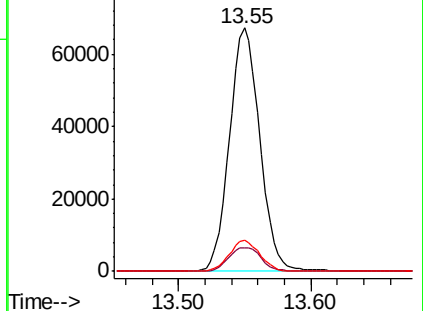
127 12.7 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 4.807 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011999.D

Acq: 24 Jul 2019 06:40

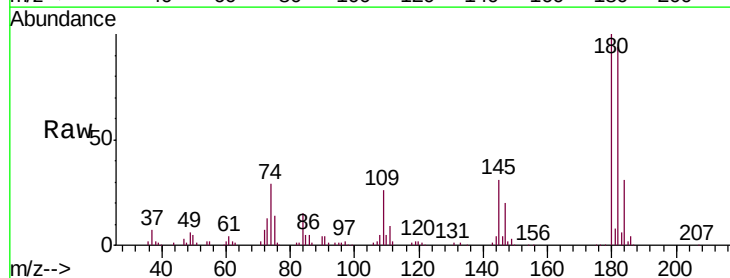
Tgt Ion:180 Resp: 65938

Ion Ratio Lower Upper

180 100

182 94.4 75.5 113.3

145 31.7 24.7 37.1



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

