

Data File : VV011907.D
Acq On : 17 Jul 2019 12:48
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Quant Time: Jul 18 02:13:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 18 02:08:26 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	172676	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	165505	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	80054	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	62430	4.92	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	98.40%
7) Chloroethane-d5	1.58	69	49386	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.13	63	107867	5.20	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.00%
20) 2-Butanone-d5	3.96	46	161119	50.30	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.60%
24) Chloroform-d	4.40	84	124356	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.08	65	63608	4.88	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	97.60%
32) Benzene-d6	5.10	84	243075	5.05	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.00%
36) 1,2-Dichloropropane-d6	6.12	67	74488	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.36	98	226621	5.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.20%
43) trans-1,3-Dichloropropene-	7.66	79	27893	5.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	102.20%
46) 2-Hexanone-d5	8.14	63	112884	51.36	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	102.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	43696	4.72	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	80132	5.01	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	85194	4.818 ug/L	99
3) Chloromethane	1.25	50	81780	4.772 ug/L	99
5) Vinyl chloride	1.32	62	78748	4.777 ug/L	99
6) Bromomethane	1.54	94	45174	4.724 ug/L	99
8) Chloroethane	1.60	64	42436	4.526 ug/L	100
9) Trichlorofluoromethane	1.77	101	97810	4.718 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	53999	5.392 ug/L	98
12) 1,1-Dichloroethene	2.14	96	47879	5.202 ug/L	94
13) Acetone	2.21	43	83536	51.389 ug/L	98
14) Carbon disulfide	2.32	76	116427	4.462 ug/L	99
15) Methyl Acetate	2.47	43	16563	4.792 ug/L	99
16) Methylene chloride	2.53	84	43591	4.518 ug/L	99
17) Methyl tert-butyl Ether	2.81	73	133411	4.792 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	62020	4.793 ug/L	99
19) 1,1-Dichloroethane	3.23	63	116212	4.763 ug/L	99
21) 2-Butanone	4.04	43	154017	48.323 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	62976	4.728 ug/L	98

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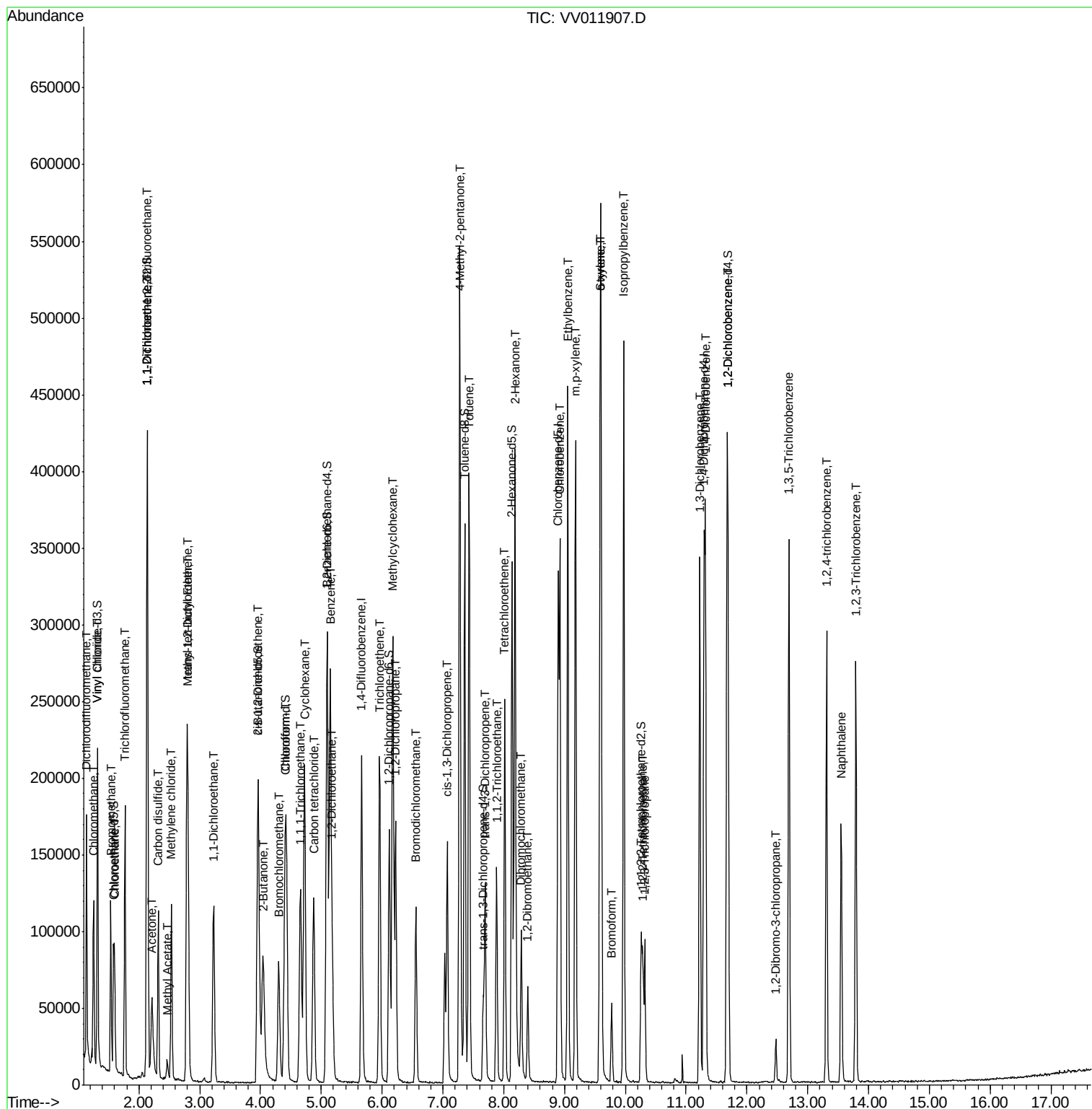
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	25981	4.767	ug/L	98
25) Chloroform	4.43	83	120390	4.575	ug/L	96
27) 1,2-Dichloroethane	5.18	62	74596	4.813	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	97618	4.799	ug/L	99
30) Cyclohexane	4.72	56	106830	4.933	ug/L	99
31) Carbon tetrachloride	4.87	117	84922	4.781	ug/L	100
33) Benzene	5.15	78	252038	4.867	ug/L	100
34) Trichloroethene	5.96	95	71285	4.953	ug/L	98
35) Methylcyclohexane	6.17	83	109718	5.025	ug/L	99
37) 1,2-Dichloropropane	6.22	63	63591	5.031	ug/L	99
38) Bromodichloromethane	6.56	83	74177	4.791	ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	87380	5.049	ug/L	98
40) 4-Methyl-2-pentanone	7.28	43	380719	50.120	ug/L	100
42) Toluene	7.43	91	271557	4.997	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	68099	4.951	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	40442	4.733	ug/L	98
47) Tetrachloroethene	8.02	164	51922	4.901	ug/L	98
48) 2-Hexanone	8.19	43	273901	50.372	ug/L	99
49) Dibromochloromethane	8.29	129	44065	4.755	ug/L	98
50) 1,2-Dibromoethane	8.40	107	37749	4.800	ug/L	97
51) Chlorobenzene	8.92	112	166828	4.863	ug/L	98
52) Ethylbenzene	9.05	91	297270	4.977	ug/L	98
53) m,p-xylene	9.18	106	111513	5.012	ug/L	99
54) o-xylene	9.59	106	106619	5.144	ug/L	96
55) Styrene	9.60	104	179549	5.099	ug/L	99
56) Isopropylbenzene	9.97	105	289566	5.087	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	38562	4.731	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	35682	4.759	ug/L	98
61) Bromoform	9.77	173	21268	4.748	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	129658	5.031	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	130395	4.918	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	120872	5.007	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	6524	4.760	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	101332	5.010	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	84801	5.313	ug/L	99
69) Naphthalene	13.55	128	128076	5.224	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	76906	5.344	ug/L	99

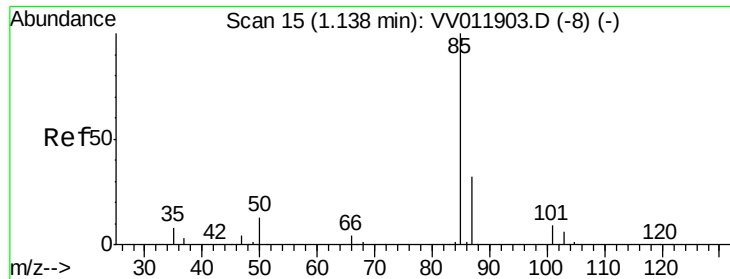
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.818 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

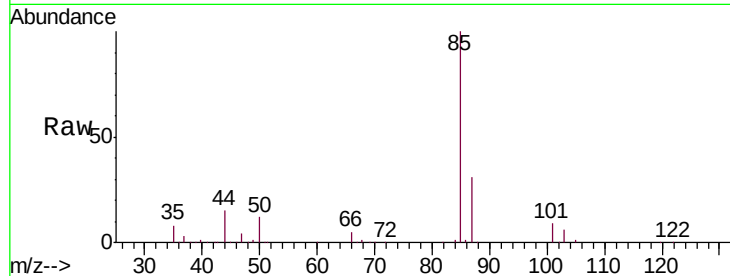
VSTD00539

Tgt Ion: 85 Resp: 85194

Ion Ratio Lower Upper

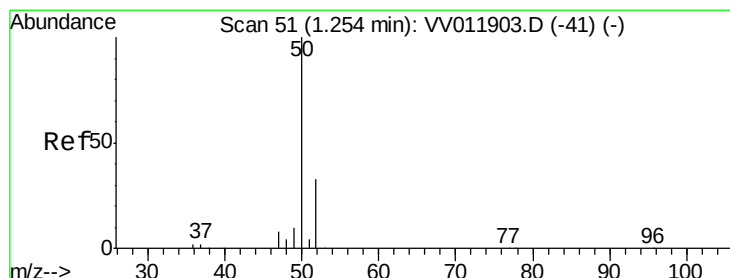
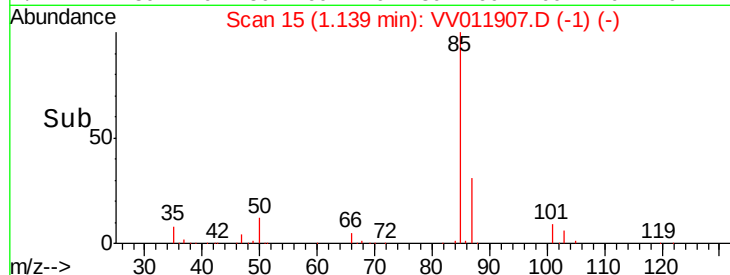
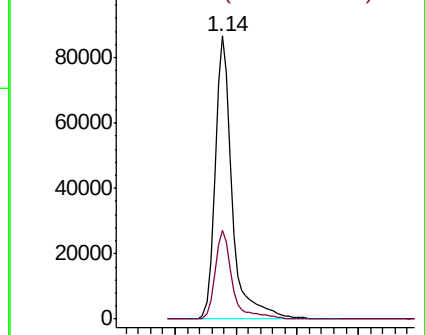
85 100

87 32.0 26.1 39.1



Abundance Ion 85.00 (84.70 to 85.70): VV011903.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV011907.D (-1) (-)



#3

Chloromethane

Concen: 4.772 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV011907.D

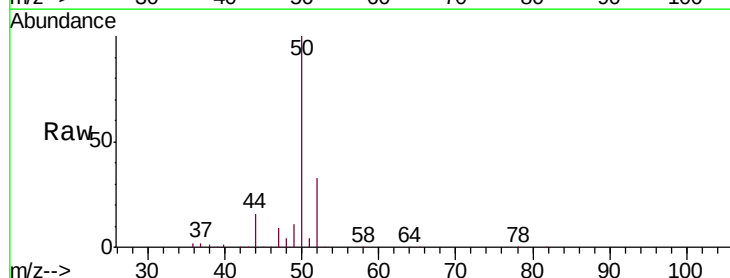
Acq: 17 Jul 2019 12:48

Tgt Ion: 50 Resp: 81780

Ion Ratio Lower Upper

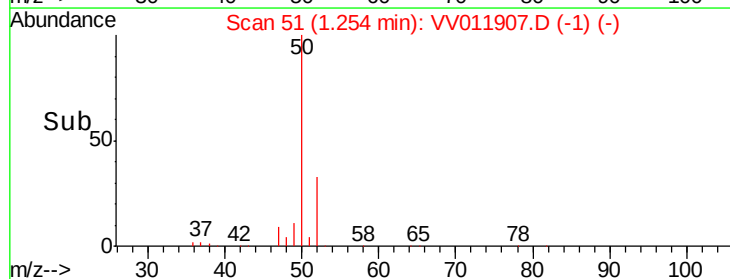
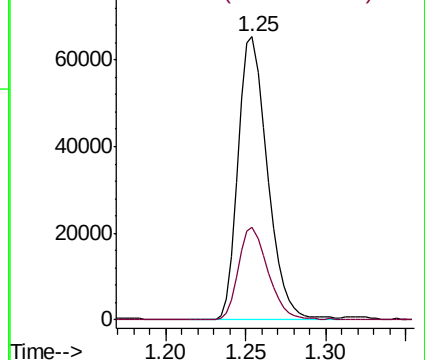
50 100

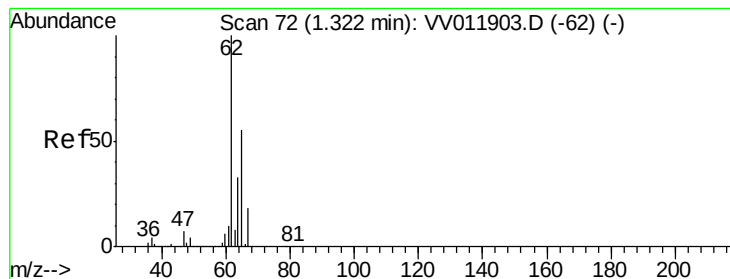
52 32.6 23.1 42.9



Abundance Ion 50.05 (49.75 to 50.75): VV011903.D (-41) (-)

Ion 52.05 (51.75 to 52.75): VV011907.D (-1) (-)





#5

Vinyl chloride

Concen: 4.777 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

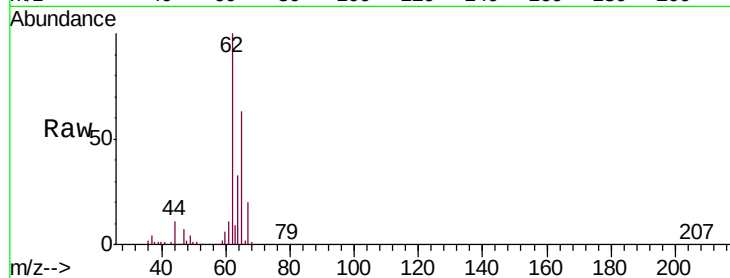
VSTD00539

Tgt Ion: 62 Resp: 78748

Ion Ratio Lower Upper

62 100

64 33.4 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

80000

60000

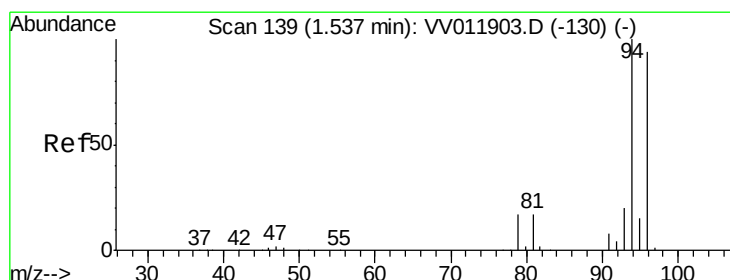
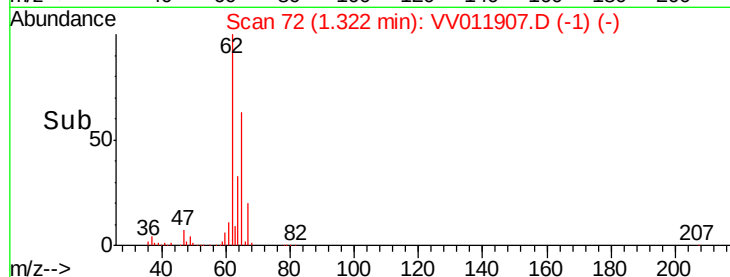
40000

20000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 4.724 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV011907.D

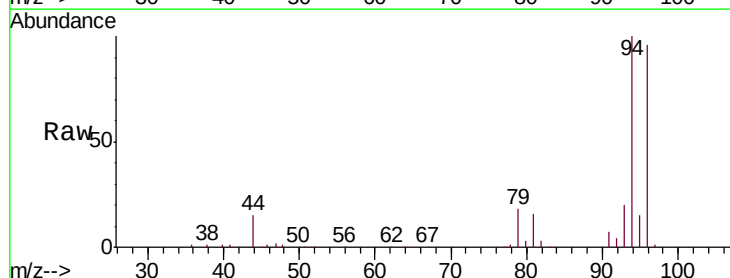
Acq: 17 Jul 2019 12:48

Tgt Ion: 94 Resp: 45174

Ion Ratio Lower Upper

94 100

96 95.6 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.54

40000

30000

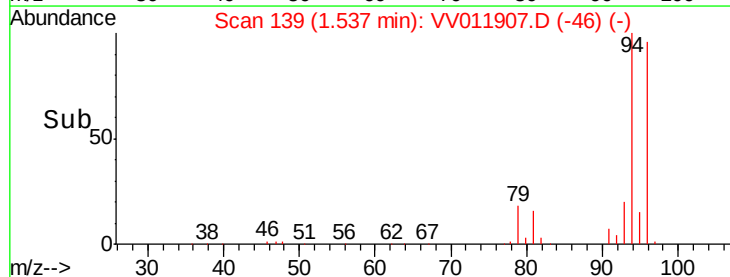
20000

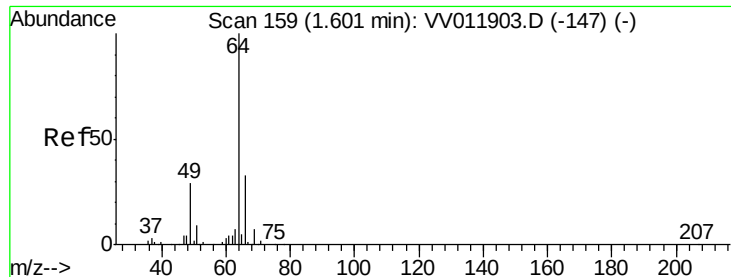
10000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 4.526 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

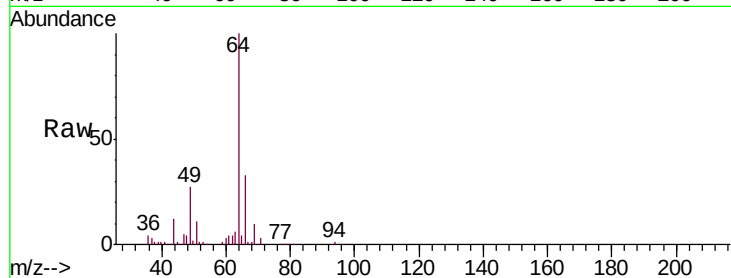
VSTD00539

Tgt Ion: 64 Resp: 42436

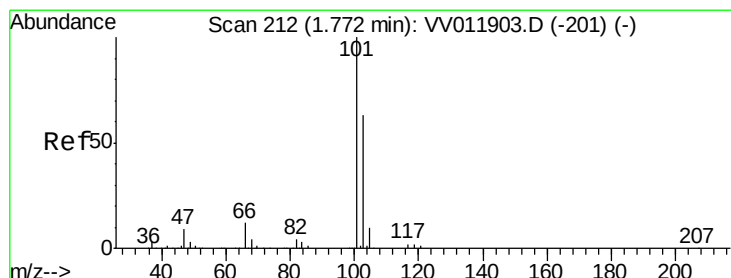
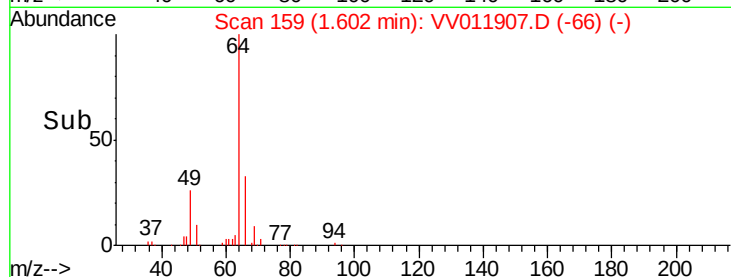
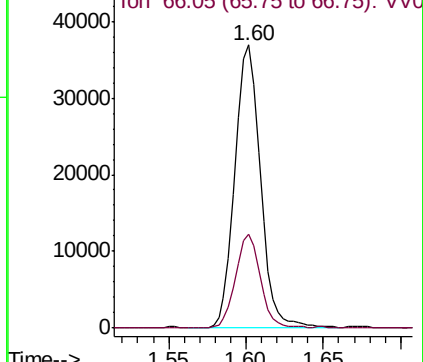
Ion Ratio Lower Upper

64 100

66 33.4 23.2 43.2



Abundance Ion 64.10 (63.80 to 64.80): VV011907.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 4.718 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV011907.D

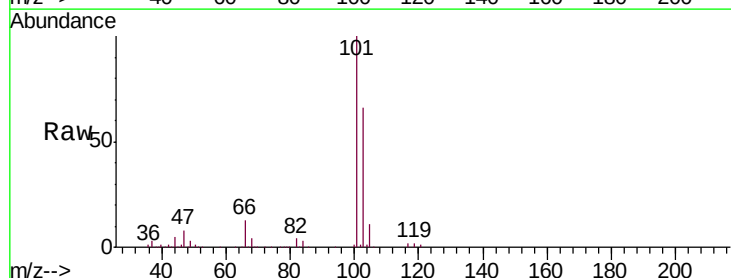
Acq: 17 Jul 2019 12:48

Tgt Ion: 101 Resp: 97810

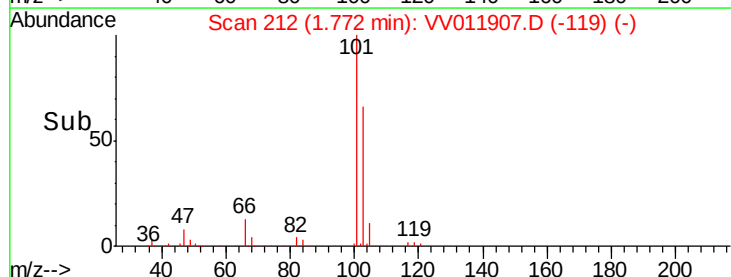
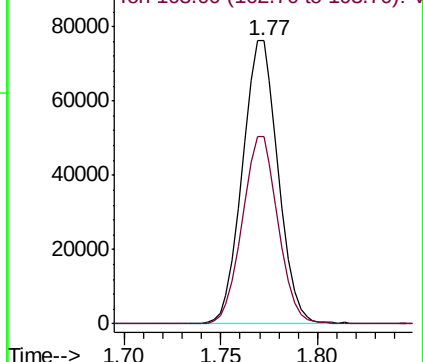
Ion Ratio Lower Upper

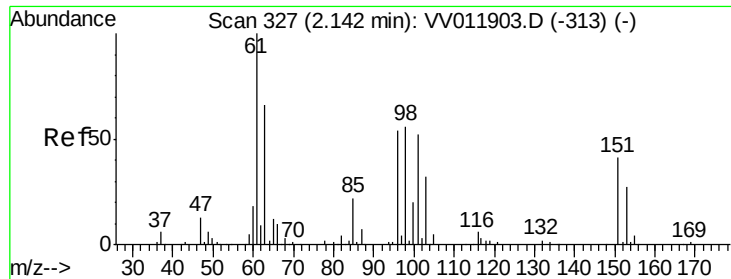
101 100

103 66.3 51.0 76.4



Abundance Ion 101.00 (100.70 to 101.70): VV011907.D (-201) (-)





#10

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

Concen: 5.392 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011907.D

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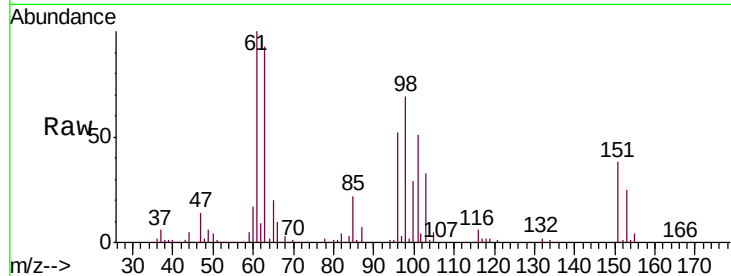
Tgt Ion:101 Resp: 53999

Ion Ratio Lower Upper

101 100

85 42.2 34.7 52.1

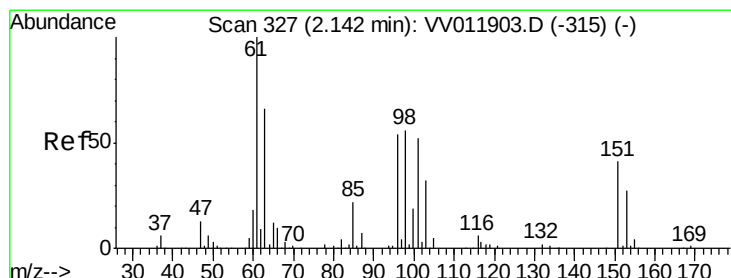
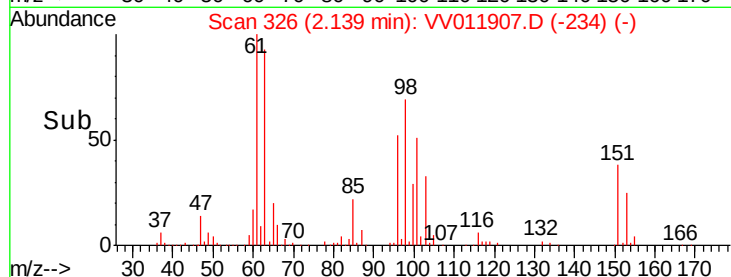
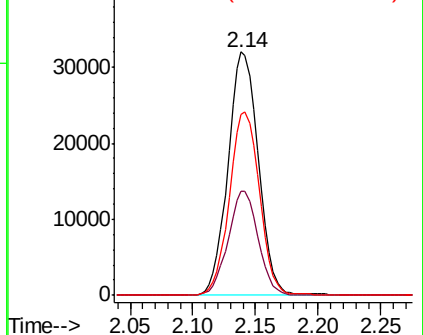
151 74.7 61.5 92.3



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: 5.202 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

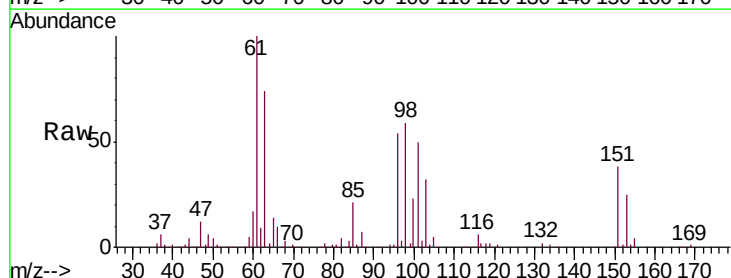
Tgt Ion: 96 Resp: 47879

Ion Ratio Lower Upper

96 100

61 185.8 128.9 239.3

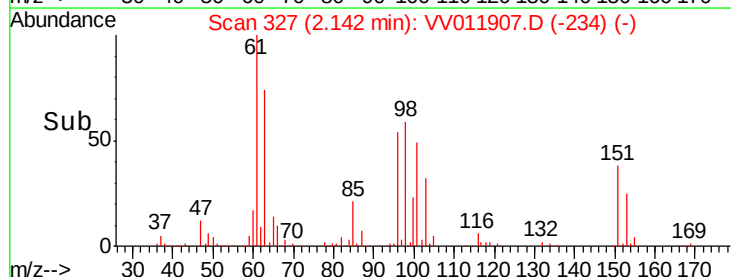
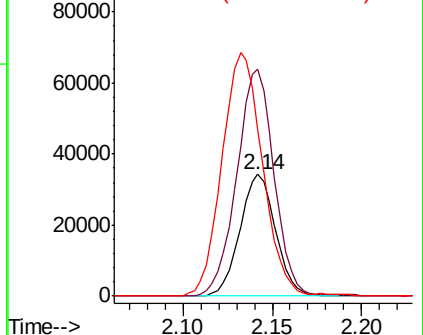
63 136.6 85.5 158.9

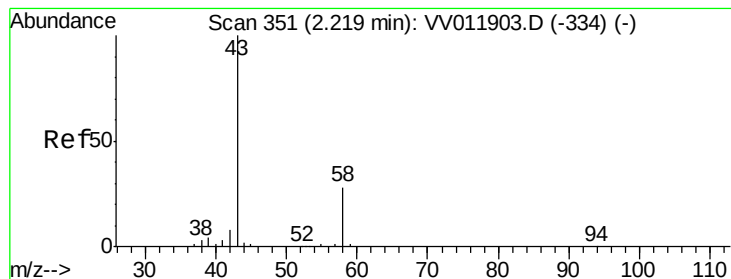


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 51.389 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

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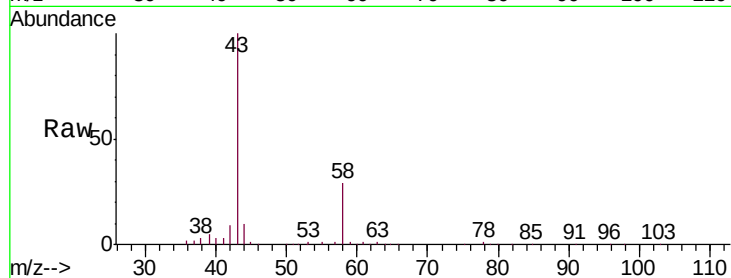
VSTD00539

Tgt Ion: 43 Resp: 83536

Ion Ratio Lower Upper

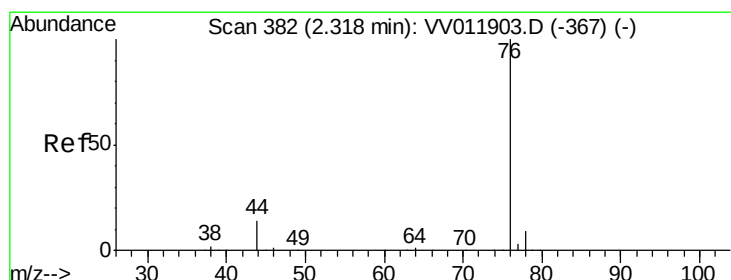
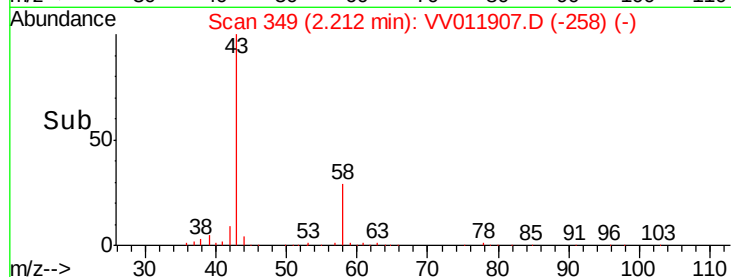
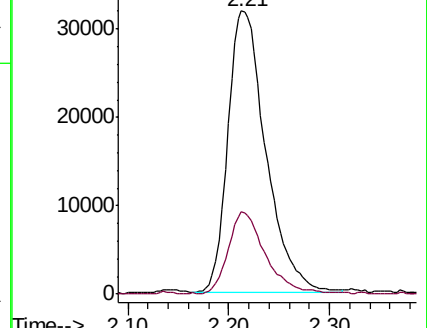
43 100

58 28.8 0.0 55.6



Abundance Ion 43.05 (42.75 to 43.75): VV011903.D (-334) (-)

Ion 58.05 (57.75 to 58.75): VV011903.D (-334) (-)



#14

Carbon disulfide

Concen: 4.462 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV011907.D

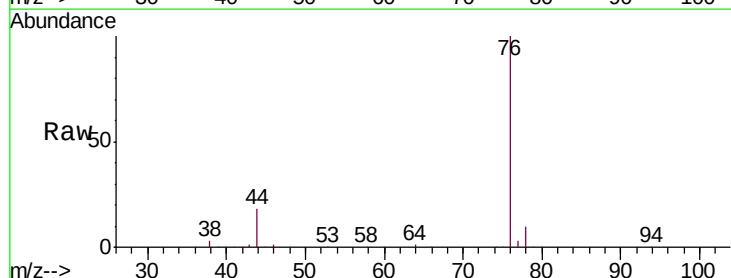
Acq: 17 Jul 2019 12:48

Tgt Ion: 76 Resp: 116427

Ion Ratio Lower Upper

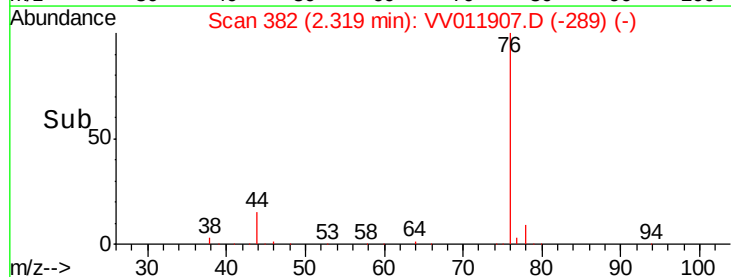
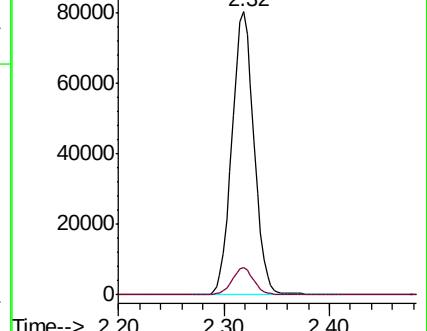
76 100

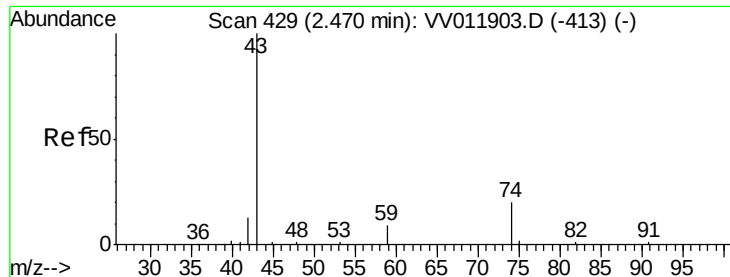
78 9.6 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV011903.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV011903.D (-367) (-)





#15

Methyl Acetate

Concen: 4.792 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampled :

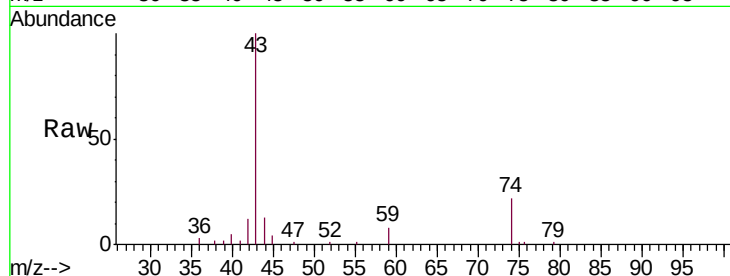
VSTD00539

Tgt Ion: 43 Resp: 16563

Ion Ratio Lower Upper

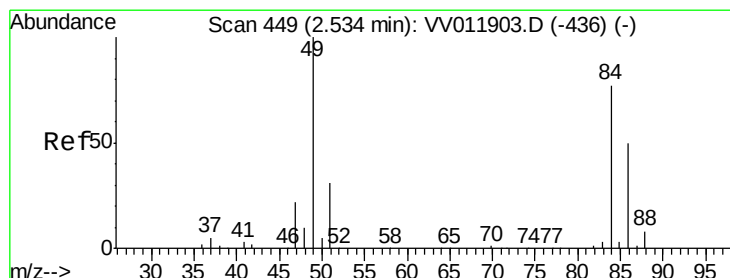
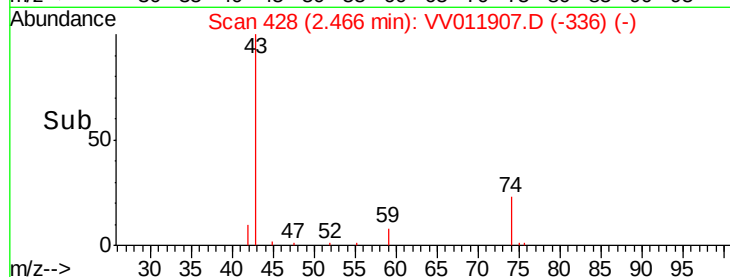
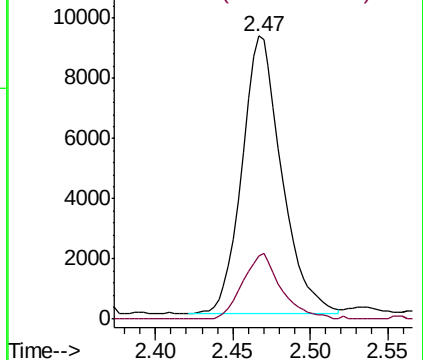
43 100

74 22.6 18.3 27.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 4.518 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

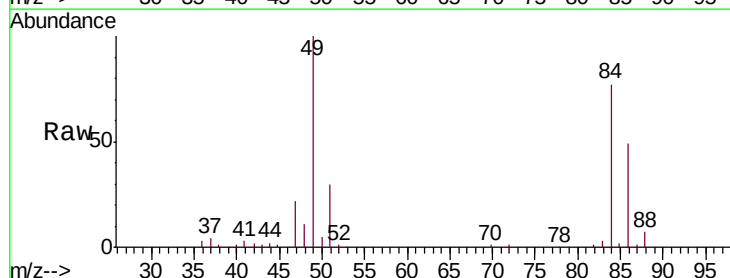
Tgt Ion: 84 Resp: 43591

Ion Ratio Lower Upper

84 100

86 64.3 44.8 83.2

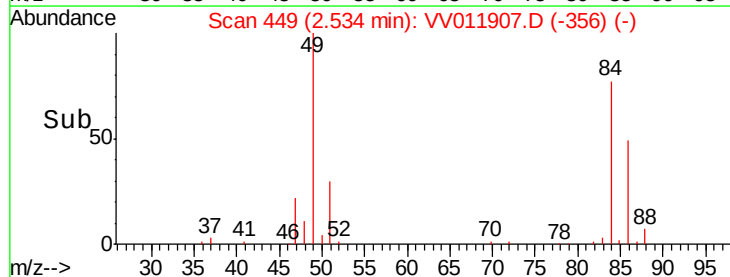
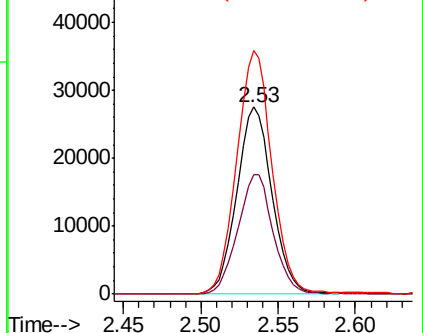
49 130.4 90.4 168.0

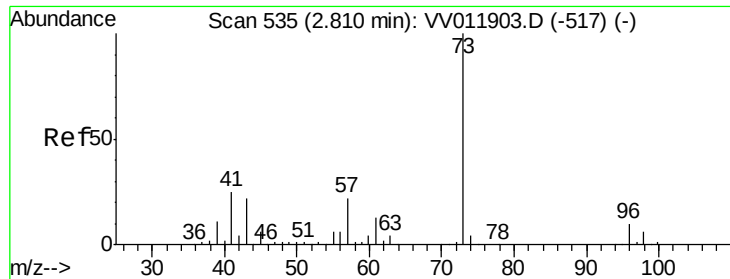


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

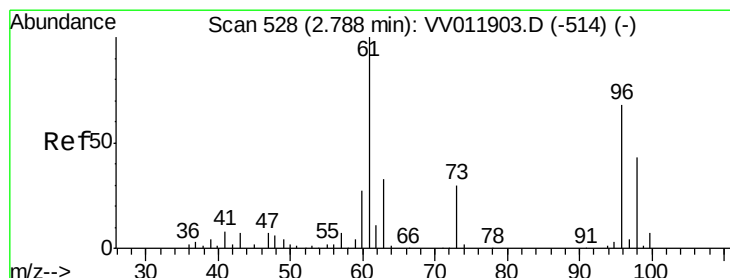
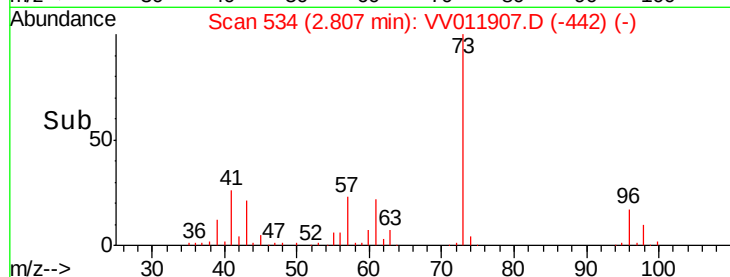
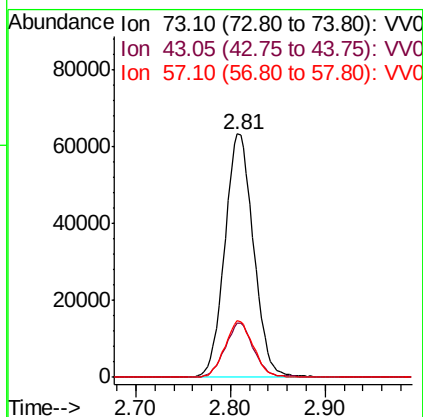
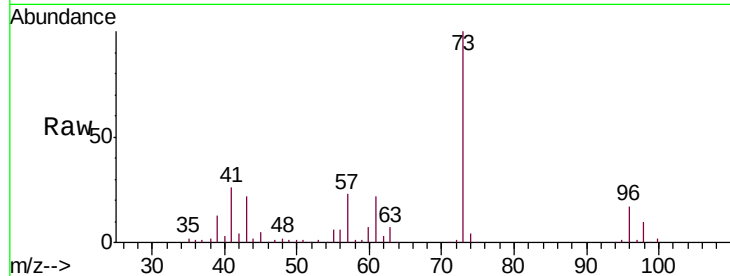




#17
Methyl tert-butyl Ether
Concen: 4.792 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV011907.D
Acq: 17 Jul 2019 12:48

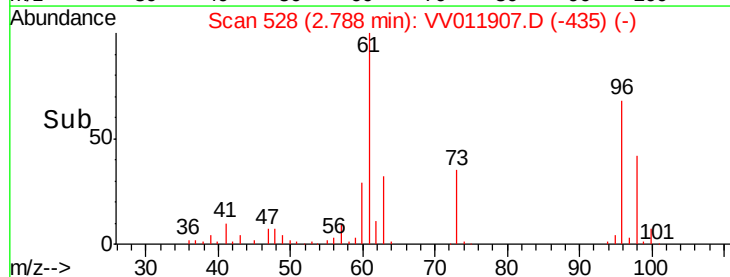
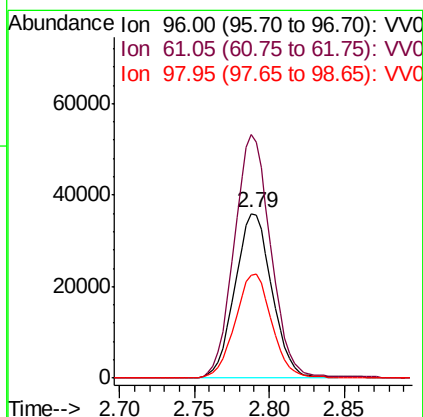
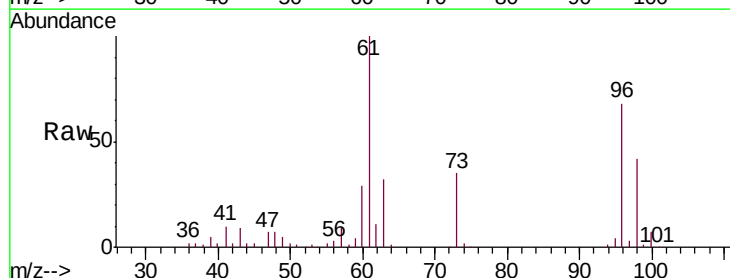
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

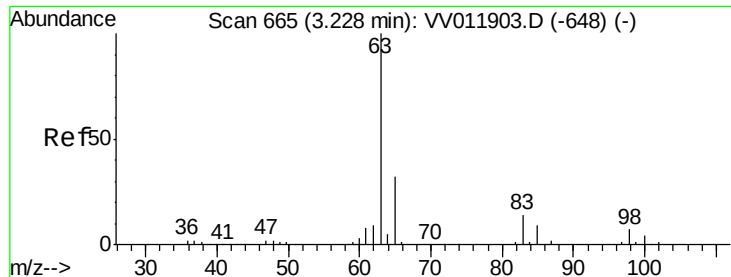
Tgt Ion: 73 Resp: 133411
Ion Ratio Lower Upper
73 100
43 21.3 17.6 26.4
57 22.9 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 4.793 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV011907.D
Acq: 17 Jul 2019 12:48

Tgt Ion: 96 Resp: 62020
Ion Ratio Lower Upper
96 100
61 148.0 102.2 189.8
98 62.7 44.4 82.5

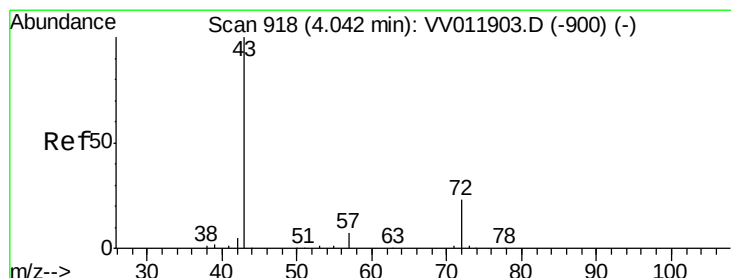
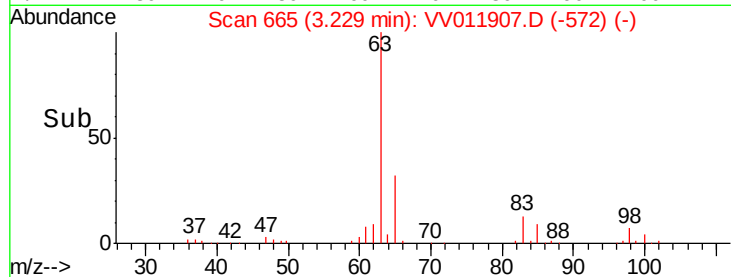
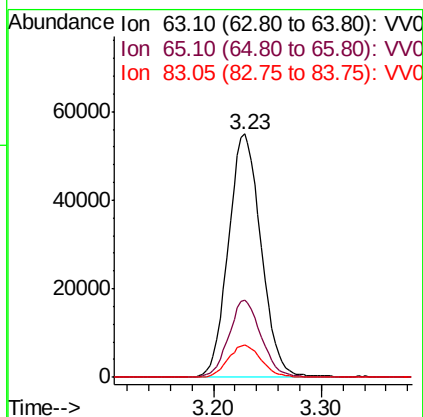
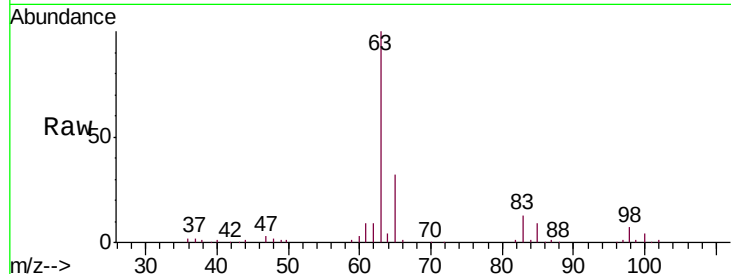




#19
 1,1-Dichloroethane
 Concen: 4.763 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

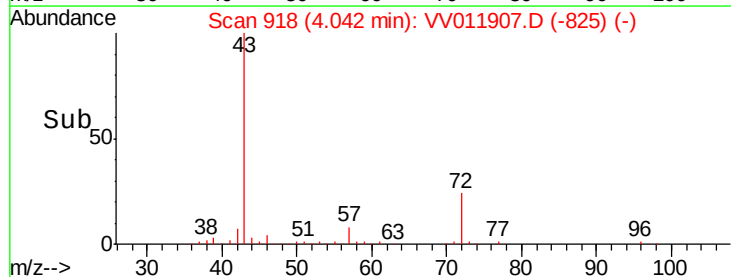
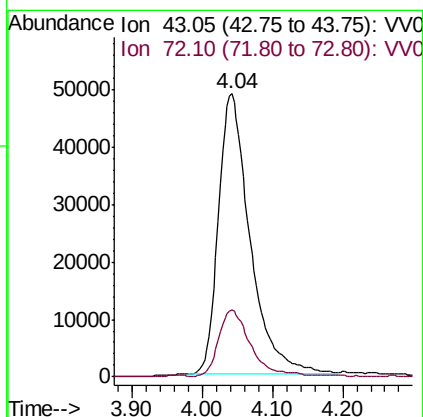
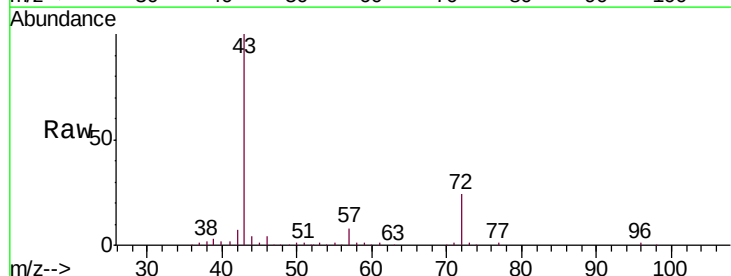
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

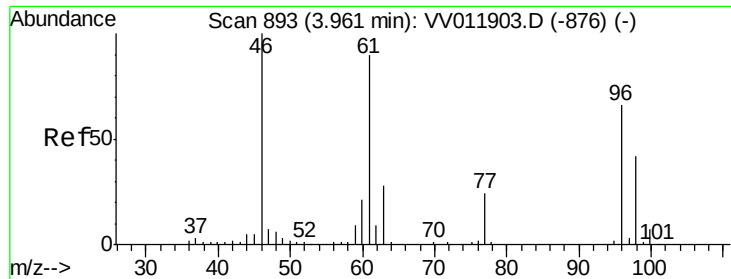
Tgt Ion: 63 Resp: 116212
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.7 42.3
 83 13.2 9.4 17.6



#21
 2-Butanone
 Concen: 48.323 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion: 43 Resp: 154017
 Ion Ratio Lower Upper
 43 100
 72 23.6 11.2 33.6



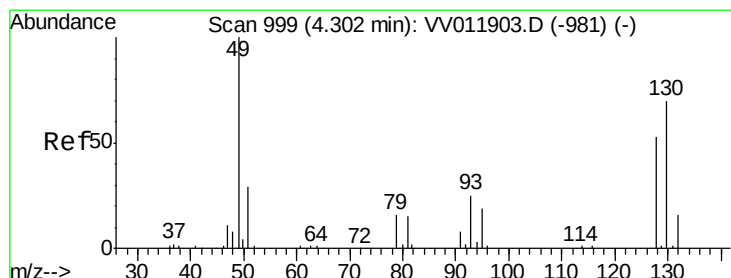
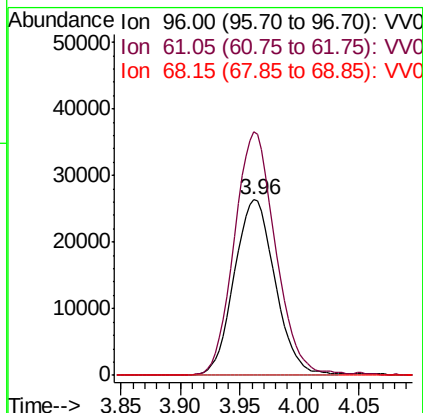
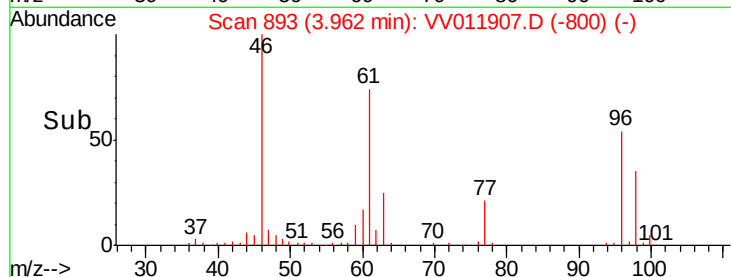
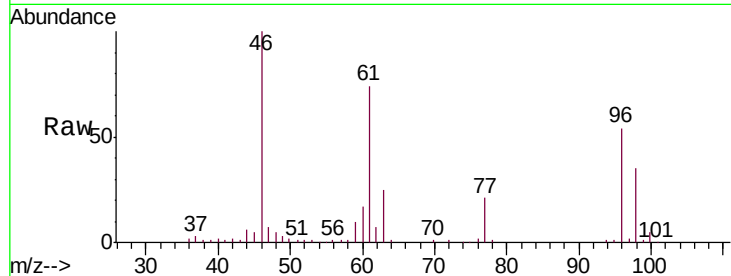


#22

cis-1,2-Dichloroethene
 Concen: 4.728 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

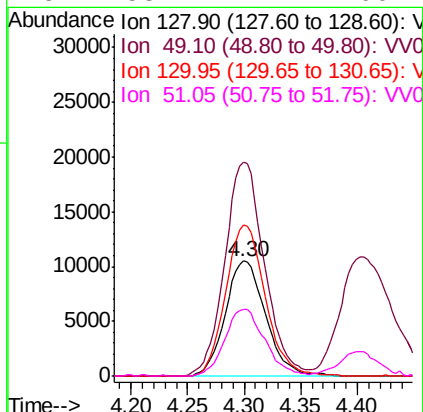
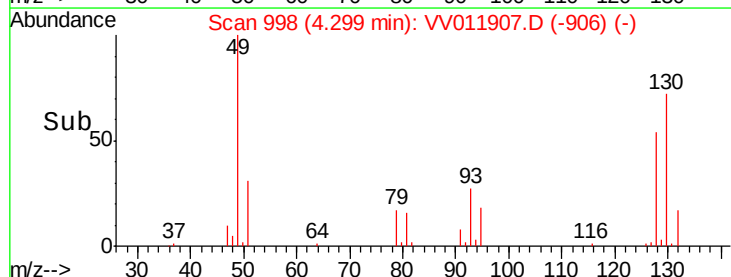
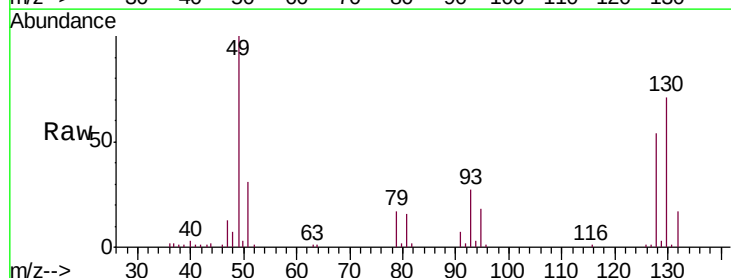
Tgt Ion: 96 Resp: 62976
 Ion Ratio Lower Upper
 96 100
 61 138.7 95.2 176.8
 68 0.0 0.0 0.0

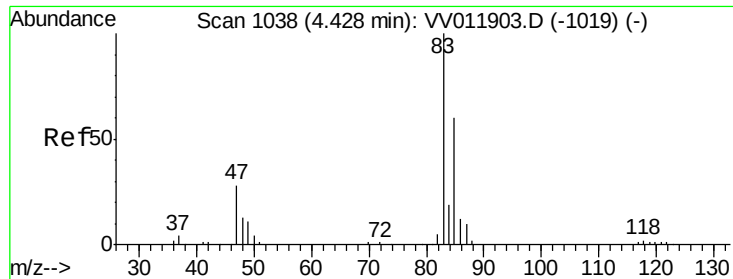


#23

Bromochloromethane
 Concen: 4.767 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion: 128 Resp: 25981
 Ion Ratio Lower Upper
 128 100
 49 186.2 132.5 246.1
 130 132.2 92.1 171.1
 51 58.2 44.2 66.2

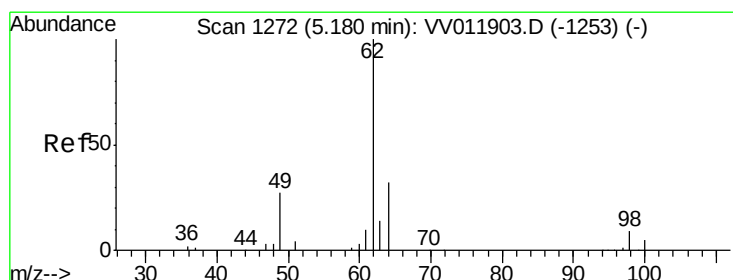
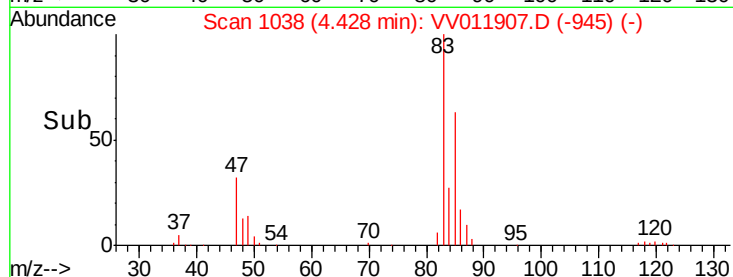
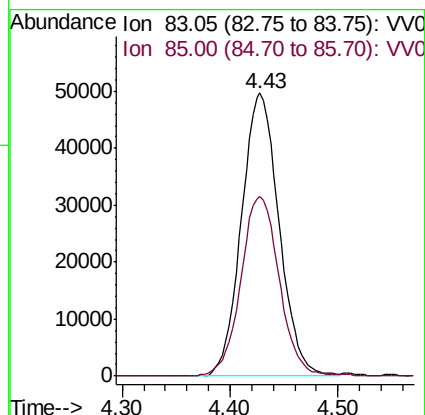
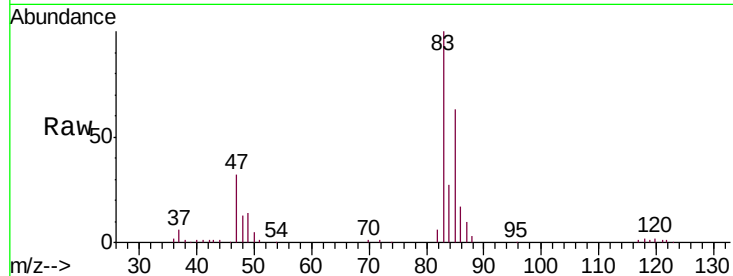




#25
Chloroform
Concen: 4.575 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV011907.D
Acq: 17 Jul 2019 12:48

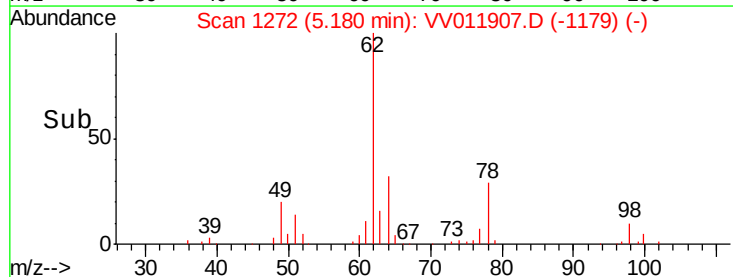
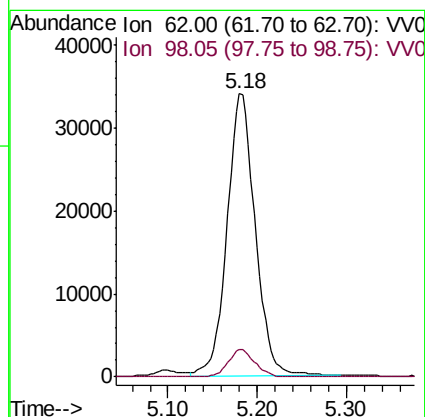
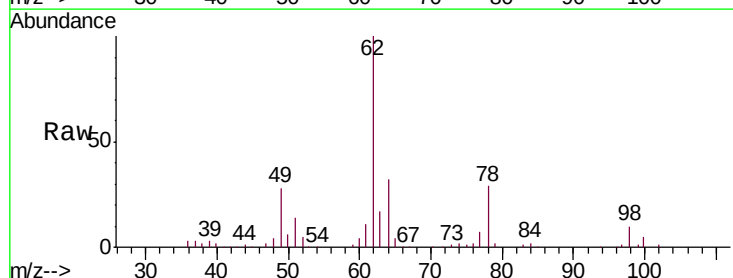
Instrument :
MSVOA_V
ClientSampled :
VSTD00539

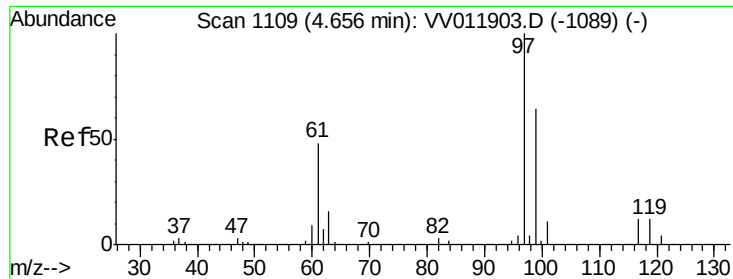
Tgt Ion: 83 Resp: 120390
Ion Ratio Lower Upper
83 100
85 63.5 42.5 78.9



#27
1,2-Dichloroethane
Concen: 4.813 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV011907.D
Acq: 17 Jul 2019 12:48

Tgt Ion: 62 Resp: 74596
Ion Ratio Lower Upper
62 100
98 9.9 7.2 10.8

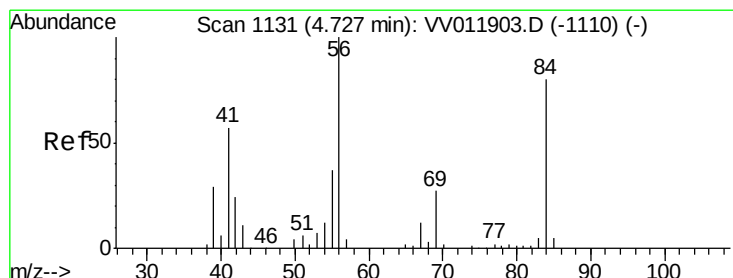
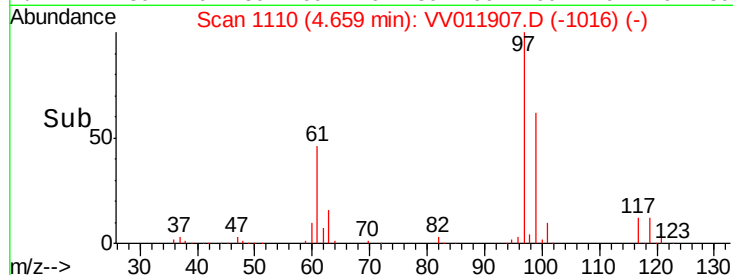
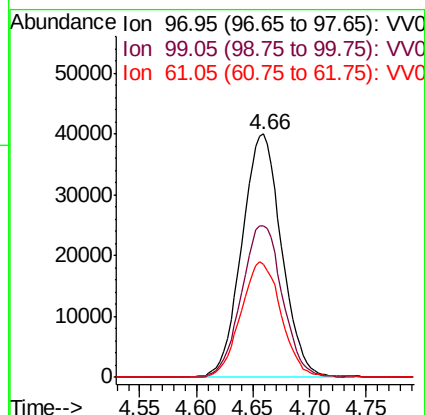
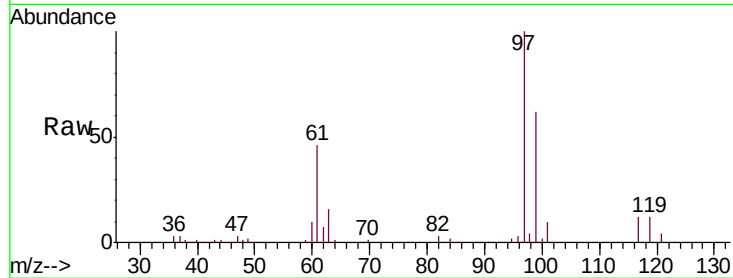




#29
 1,1,1-Trichloroethane
 Concen: 4.799 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

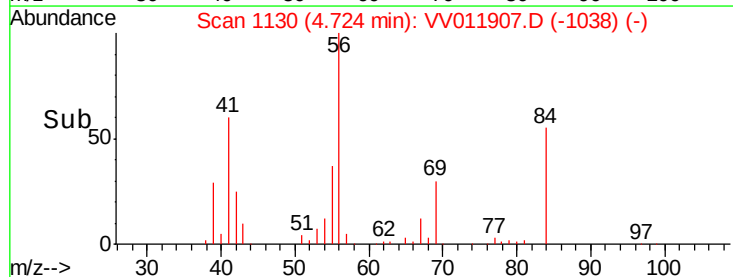
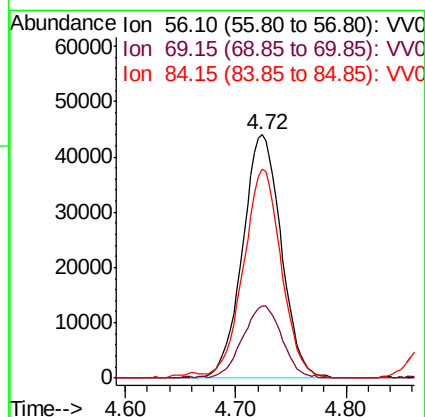
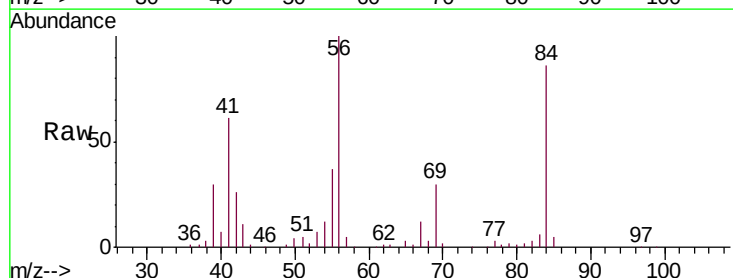
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

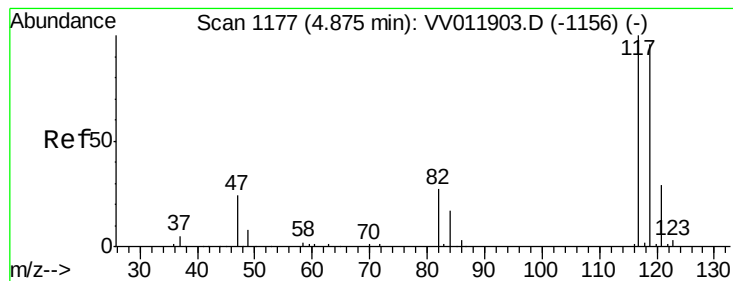
Tgt Ion: 97 Resp: 97618
 Ion Ratio Lower Upper
 97 100
 99 64.5 51.1 76.7
 61 48.6 38.6 57.8



#30
 Cyclohexane
 Concen: 4.933 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. -0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion: 56 Resp: 106830
 Ion Ratio Lower Upper
 56 100
 69 30.3 23.8 35.8
 84 84.4 66.3 99.5





#31

Carbon tetrachloride

Concen: 4.781 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

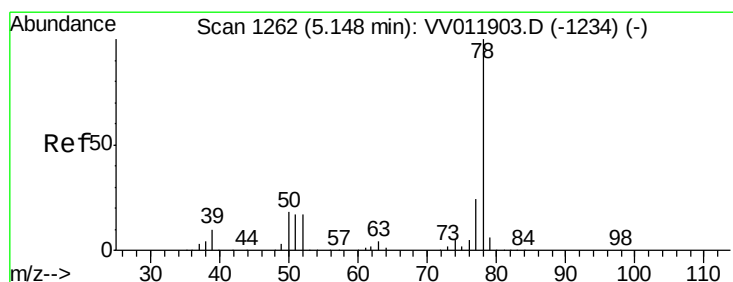
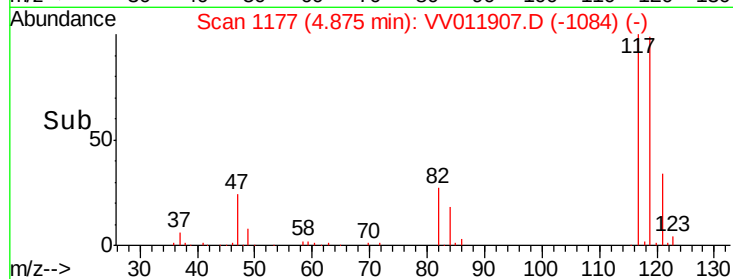
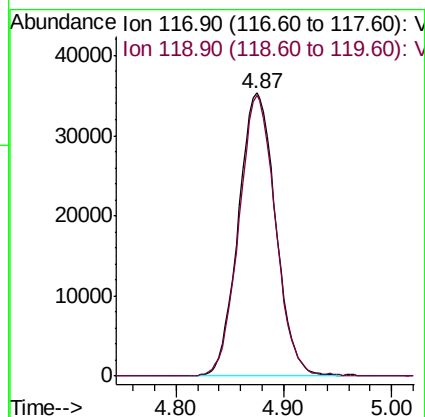
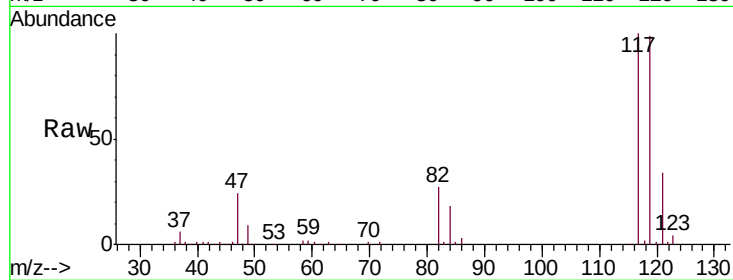
VSTD00539

Tgt Ion:117 Resp: 84922

Ion Ratio Lower Upper

117 100

119 96.9 77.4 116.2



#33

Benzene

Concen: 4.867 ug/L

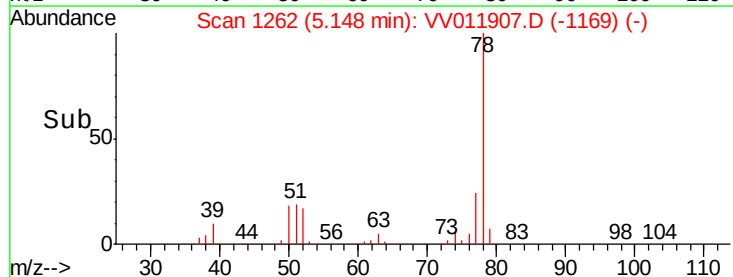
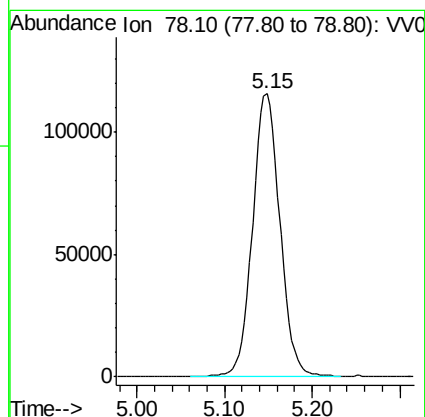
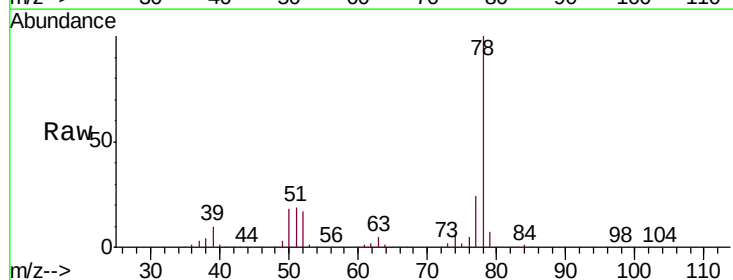
RT: 5.15 min Scan# 1262

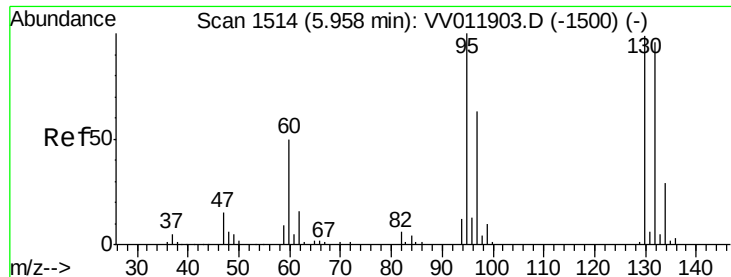
Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Tgt Ion: 78 Resp: 252038





#34

Trichloroethene

Concen: 4.953 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

Tgt Ion: 95 Resp: 71285

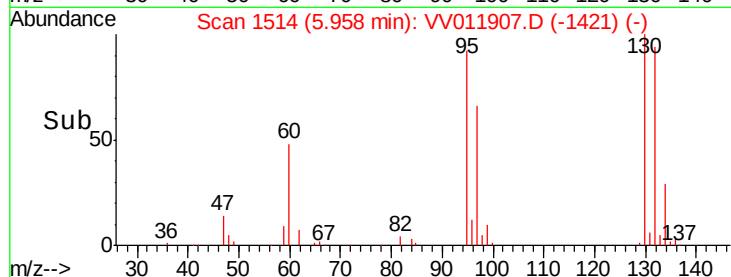
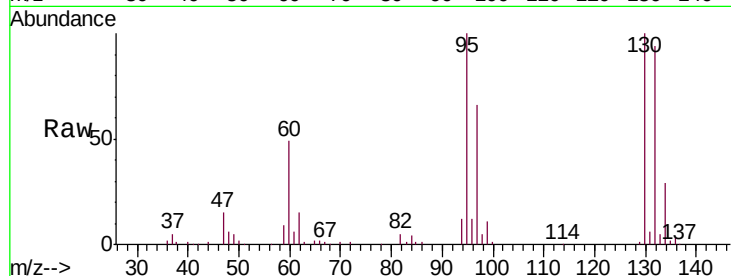
Ion Ratio Lower Upper

95 100

97 65.7 44.0 81.6

132 94.3 67.0 124.4

130 100.2 69.1 128.3

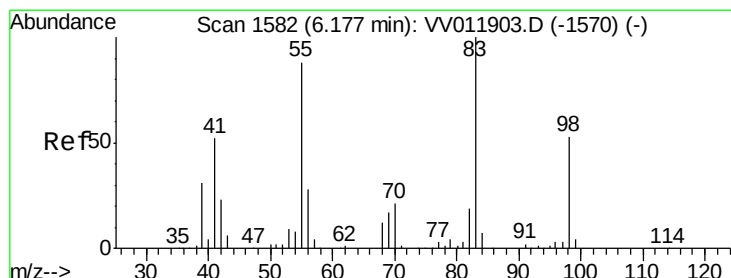
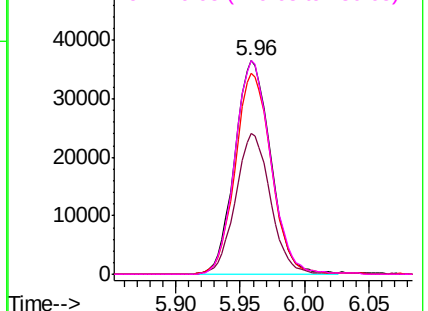


Abundance Ion 95.00 (94.70 to 95.70): VV011907.D (-1421) (-)

Ion 96.95 (96.65 to 97.65): VV011907.D (-1421) (-)

Ion 131.95 (131.65 to 132.65): VV011907.D (-1421) (-)

Ion 129.95 (129.65 to 130.65): VV011907.D (-1421) (-)



#35

Methylcyclohexane

Concen: 5.025 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

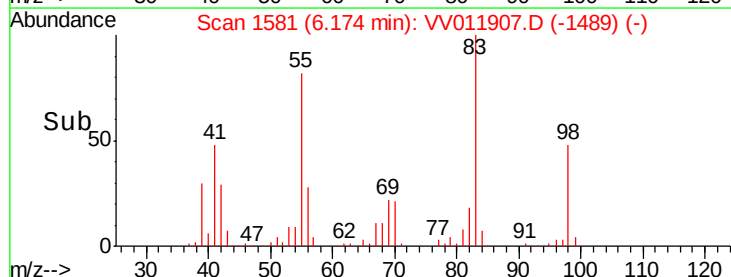
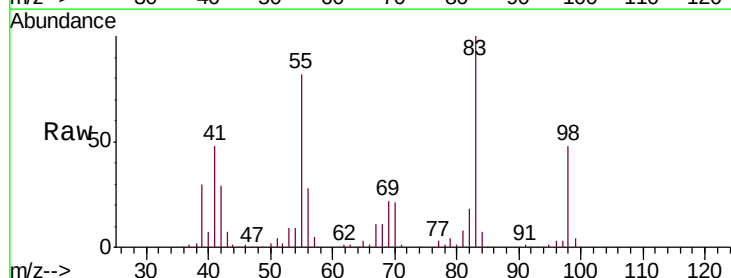
Tgt Ion: 83 Resp: 109718

Ion Ratio Lower Upper

83 100

55 82.6 66.7 100.1

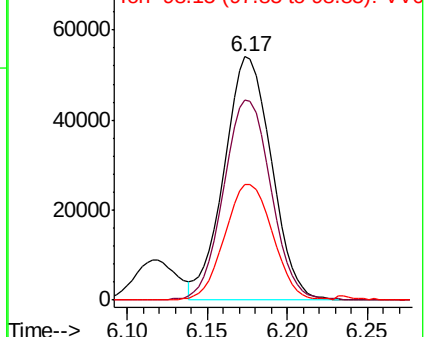
98 48.2 39.0 58.4

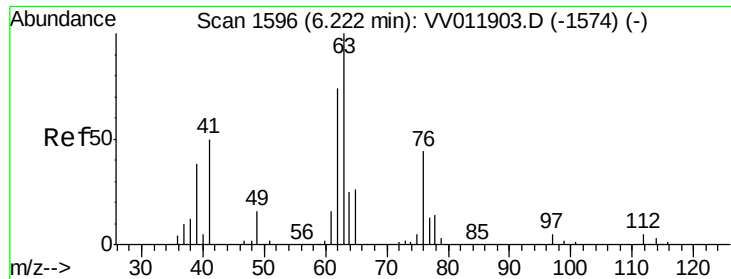


Abundance Ion 83.15 (82.85 to 83.85): VV011907.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV011907.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV011907.D (-1489) (-)

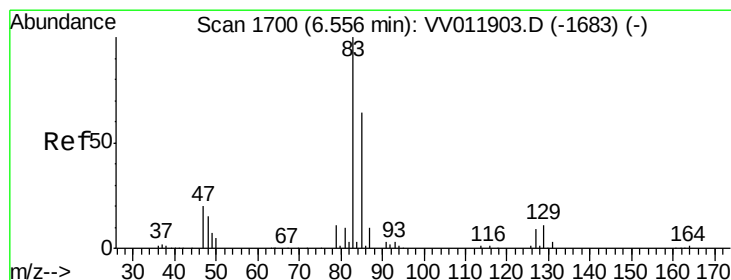
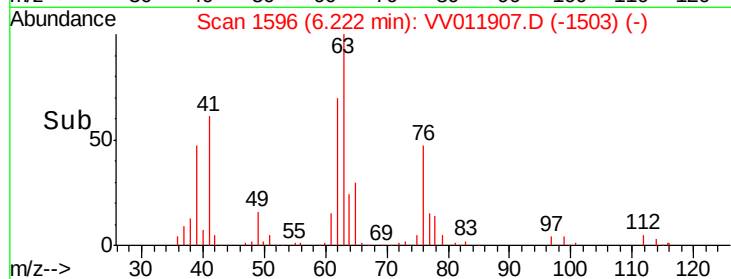
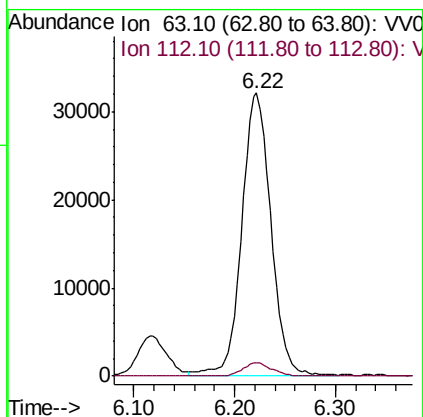
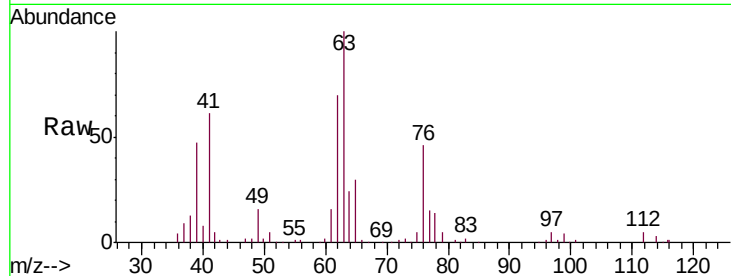




#37
 1,2-Dichloropropane
 Concen: 5.031 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

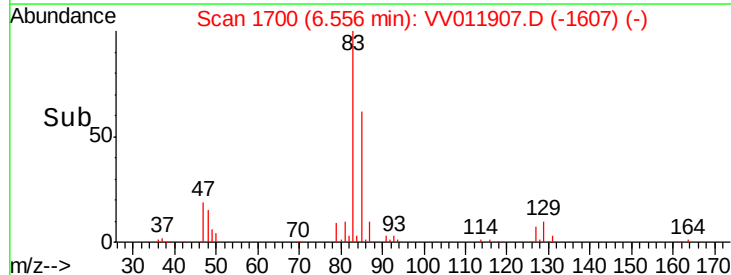
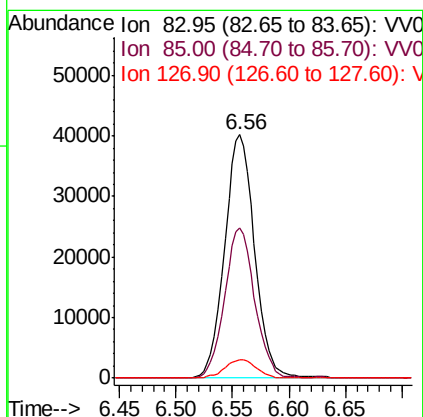
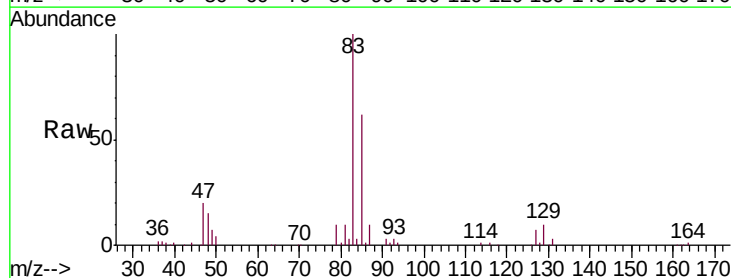
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00539

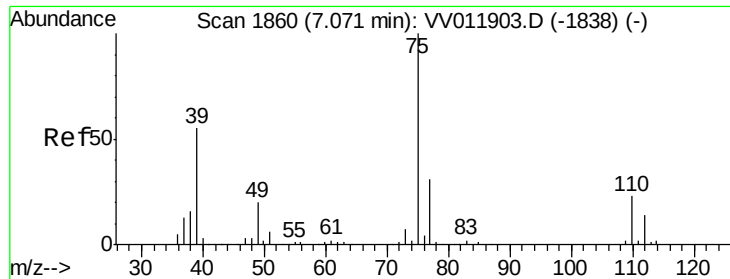
Tgt Ion: 63 Resp: 63591
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.4 5.2



#38
 Bromodichloromethane
 Concen: 4.791 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion: 83 Resp: 74177
 Ion Ratio Lower Upper
 83 100
 85 61.9 45.1 83.7
 127 7.5 7.1 10.7

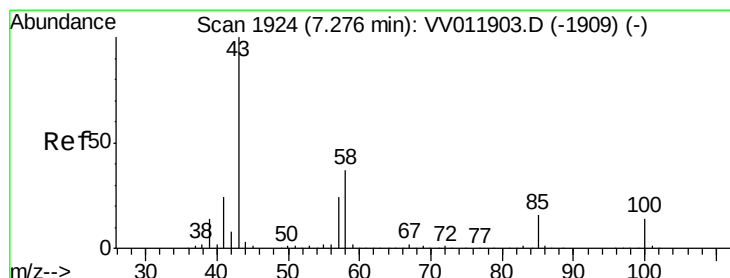
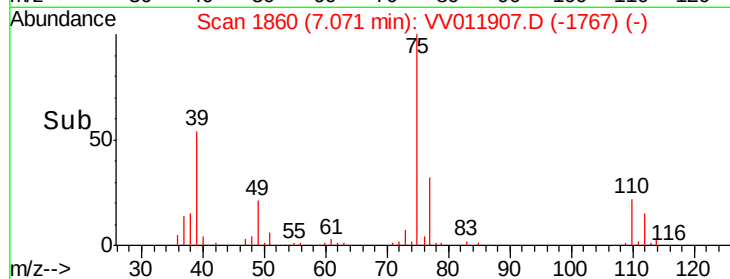
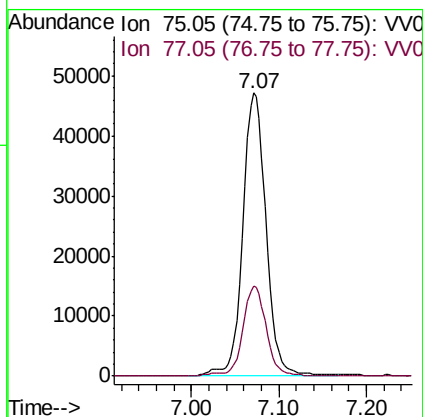
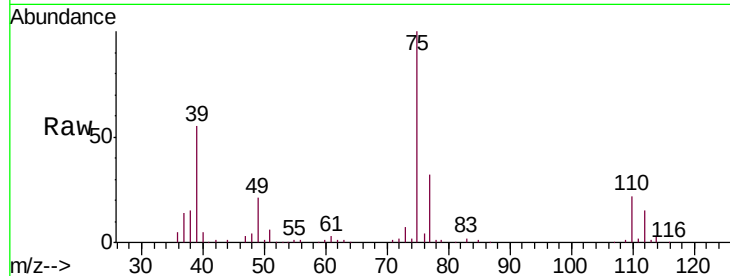




#39
 cis-1,3-Dichloropropene
 Concen: 5.049 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

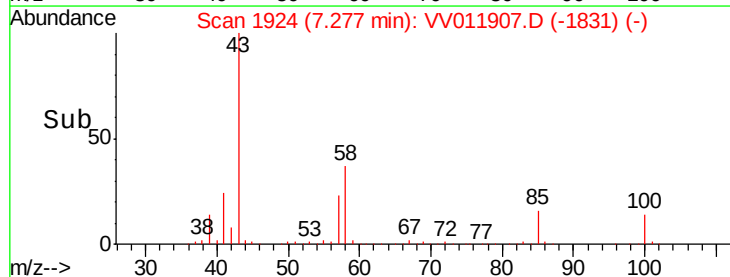
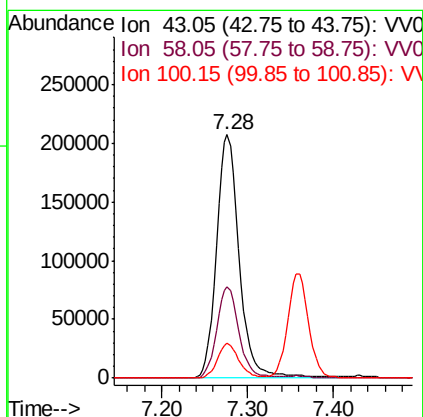
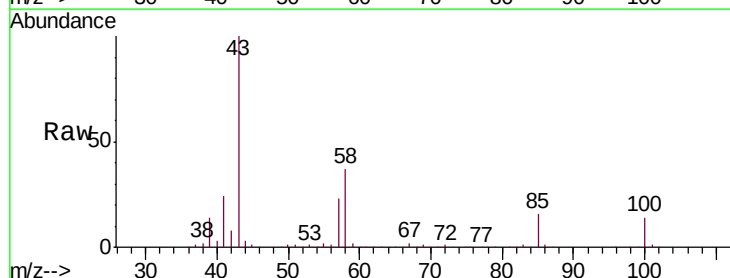
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

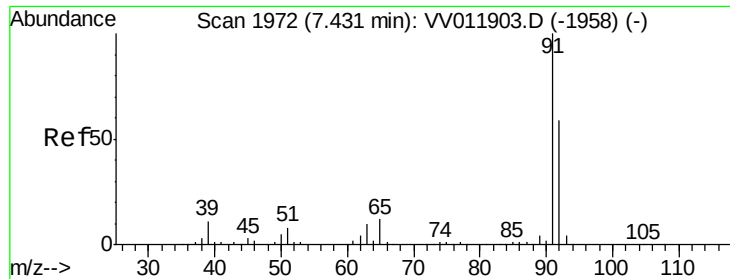
Tgt Ion: 75 Resp: 87380
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.6 40.2



#40
 4-Methyl-2-pentanone
 Concen: 50.120 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion: 43 Resp: 380719
 Ion Ratio Lower Upper
 43 100
 58 36.9 29.4 44.2
 100 13.7 11.1 16.7





#42

Toluene

Concen: 4.997 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

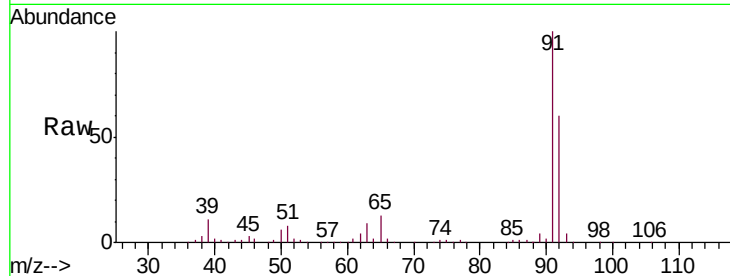
VSTD00539

Tgt Ion: 91 Resp: 271557

Ion Ratio Lower Upper

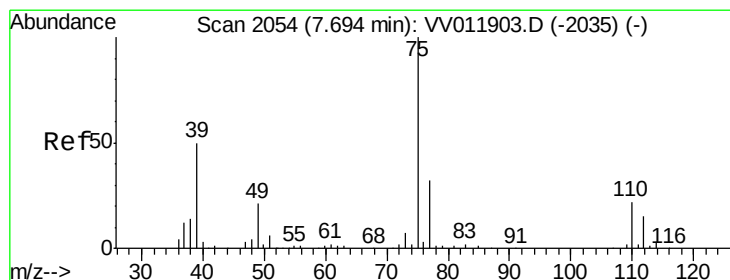
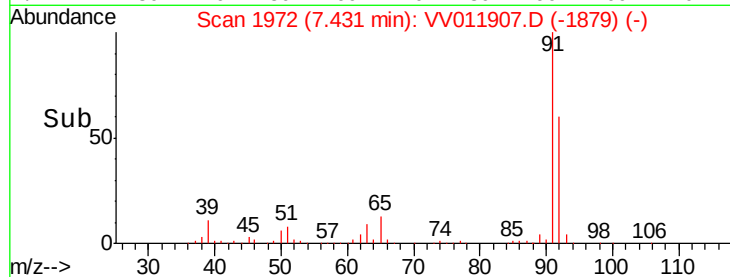
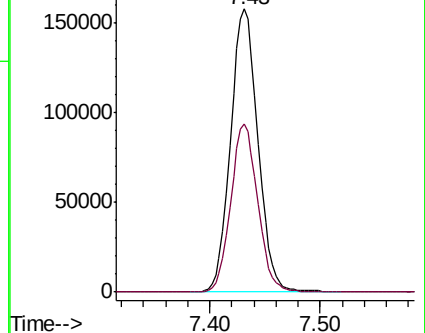
91 100

92 59.6 41.1 76.3



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: 4.951 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV011907.D

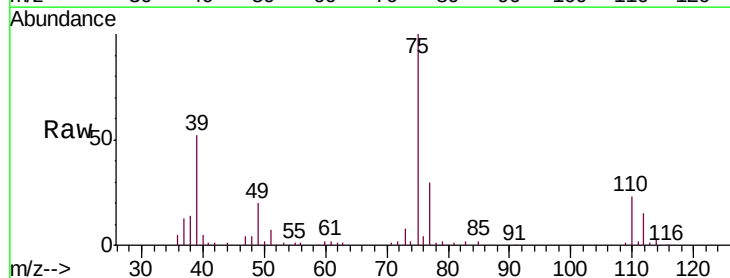
Acq: 17 Jul 2019 12:48

Tgt Ion: 75 Resp: 68099

Ion Ratio Lower Upper

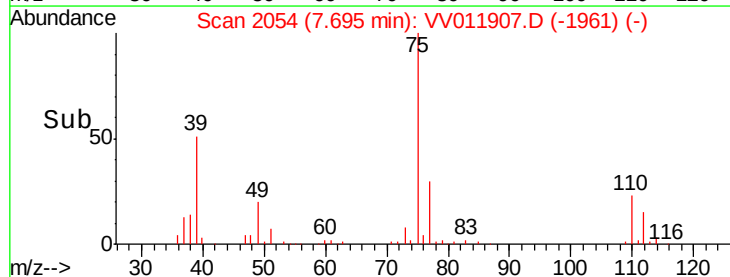
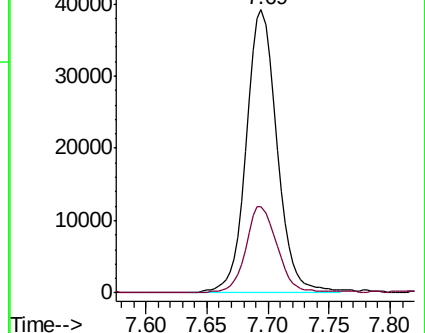
75 100

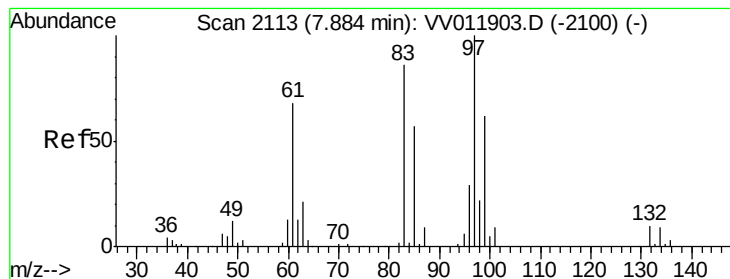
77 30.3 22.3 41.3



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: 4.733 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

Tgt Ion: 97 Resp: 40442

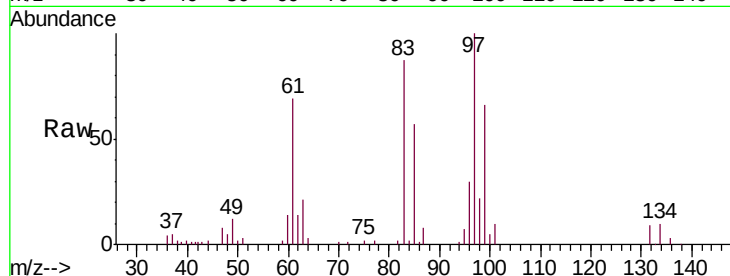
Ion Ratio Lower Upper

97 100

99 65.8 43.5 80.7

83 87.4 60.5 112.3

85 57.3 39.6 73.6

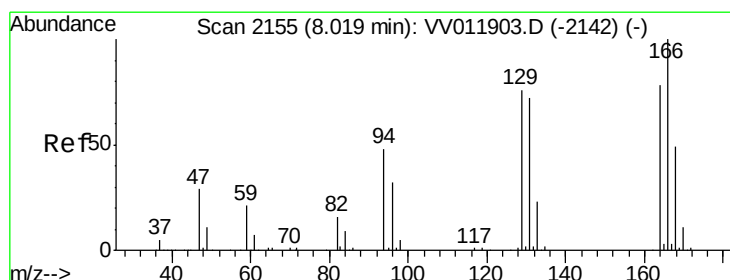
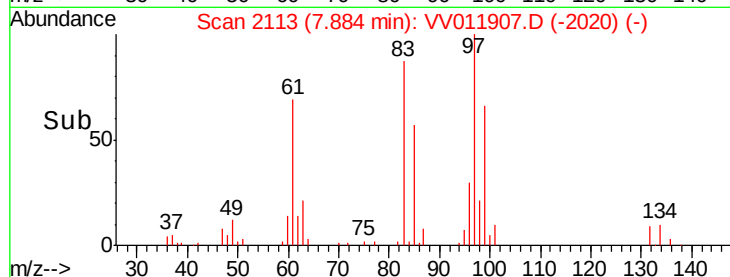
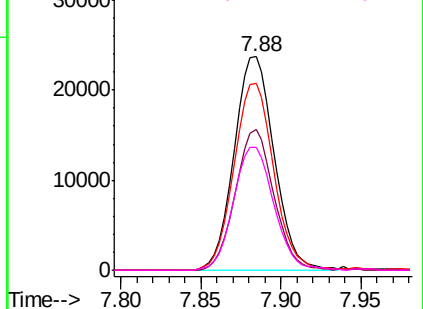


Abundance Ion 96.95 (96.65 to 97.65): VV0

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: 4.901 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Tgt Ion: 164 Resp: 51922

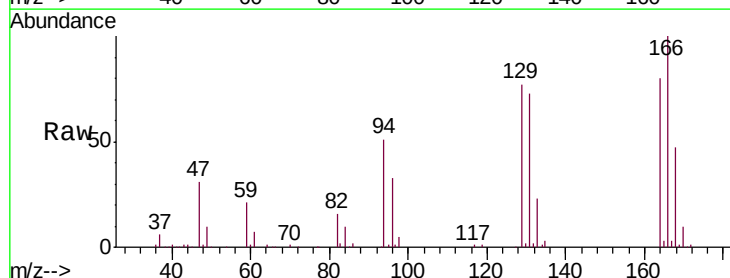
Ion Ratio Lower Upper

164 100

129 96.7 68.6 127.4

131 91.8 64.6 120.0

166 125.3 89.7 166.7

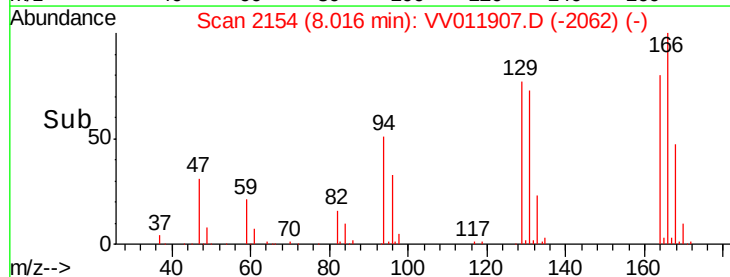
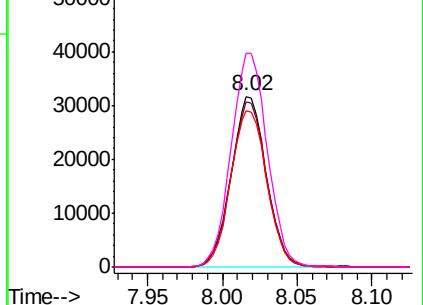


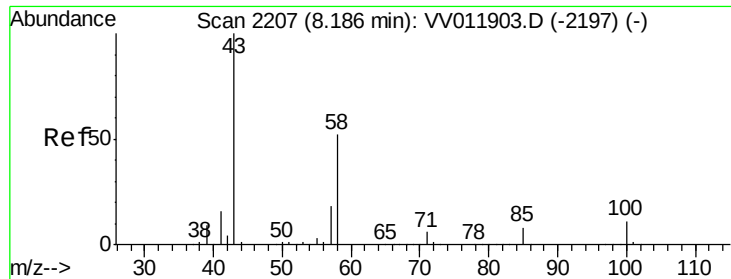
Abundance Ion 163.90 (163.60 to 164.60): V

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

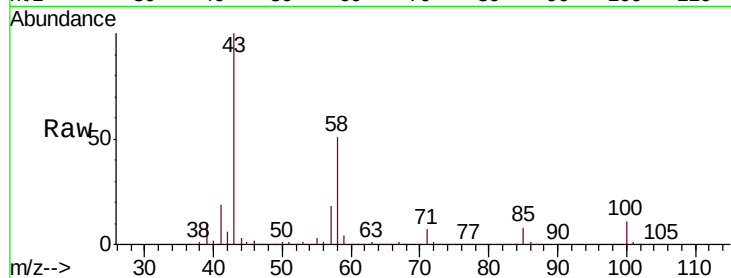




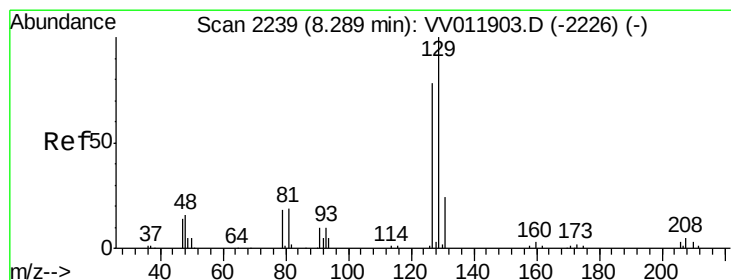
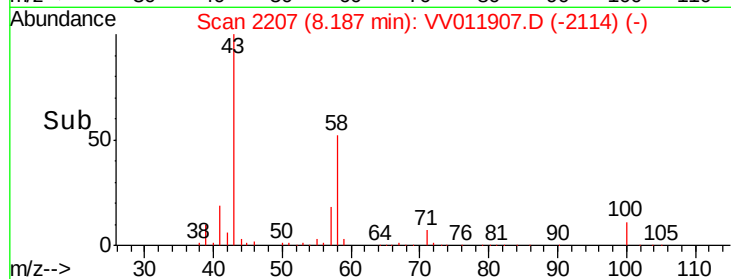
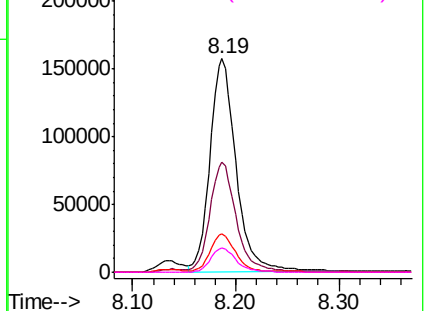
#48
2-Hexanone
Concen: 50.372 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV011907.D
Acq: 17 Jul 2019 12:48

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion: 43 Resp: 273901
Ion Ratio Lower Upper
43 100
58 51.7 41.1 61.7
57 16.9 14.3 21.5
100 11.1 8.7 13.1

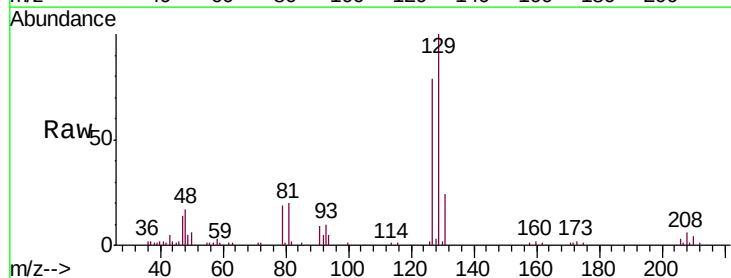


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

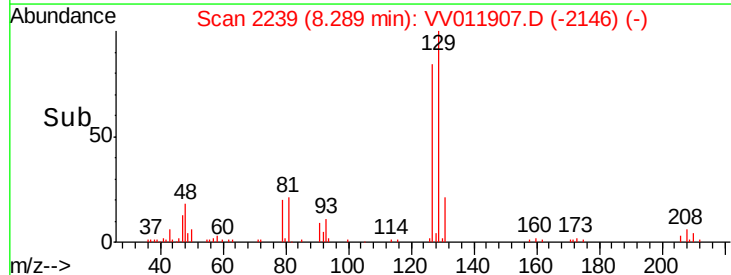
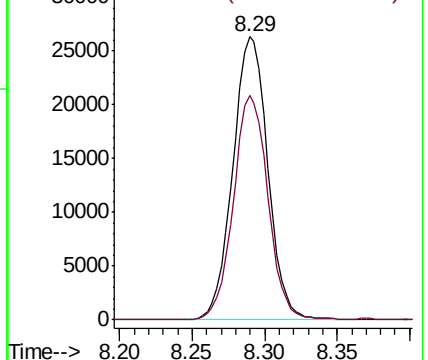


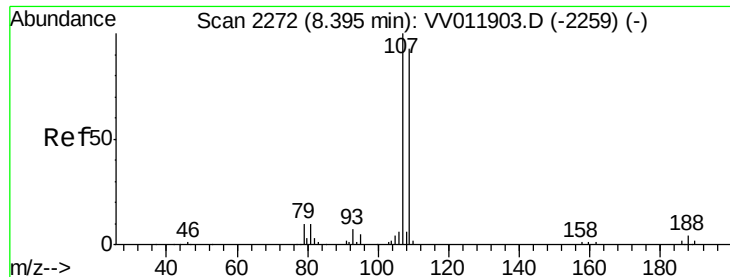
#49
Dibromochloromethane
Concen: 4.755 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV011907.D
Acq: 17 Jul 2019 12:48

Tgt Ion: 129 Resp: 44065
Ion Ratio Lower Upper
129 100
127 79.2 54.3 100.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

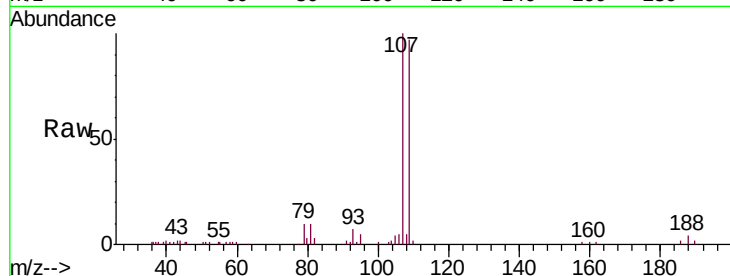




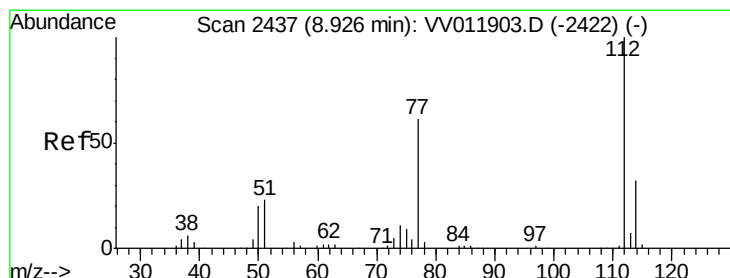
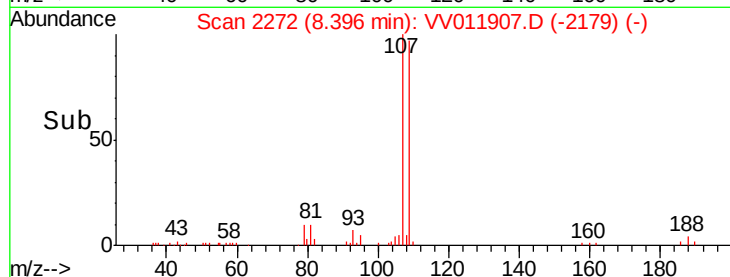
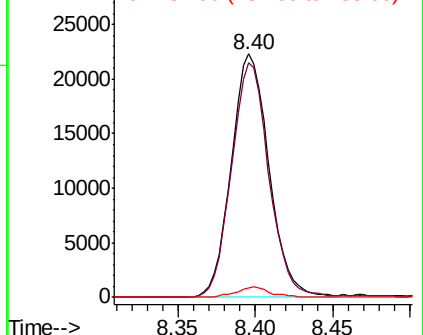
#50
 1,2-Dibromoethane
 Concen: 4.800 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:107 Resp: 37749
 Ion Ratio Lower Upper
 107 100
 109 96.6 65.2 121.2
 188 3.9 2.9 4.3

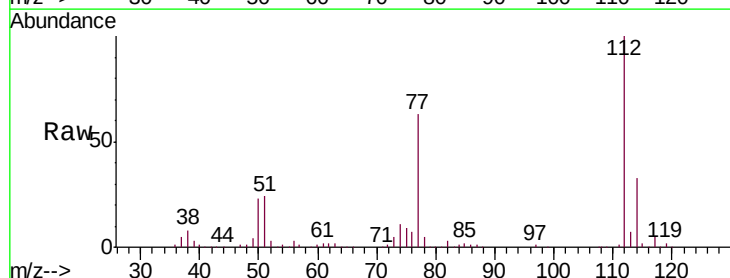


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

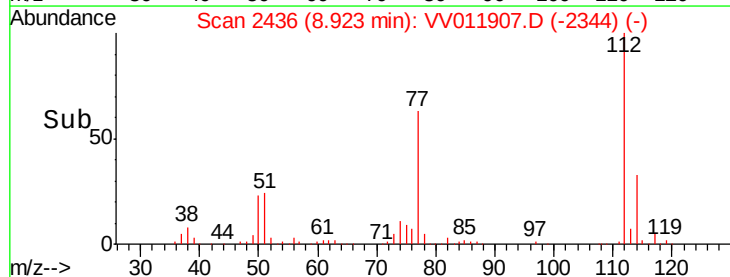
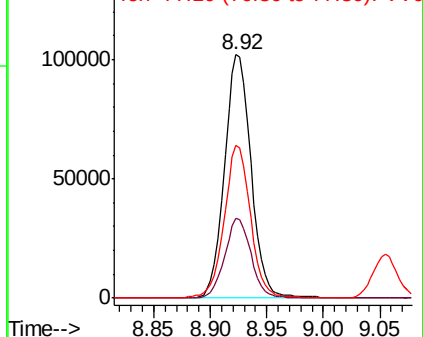


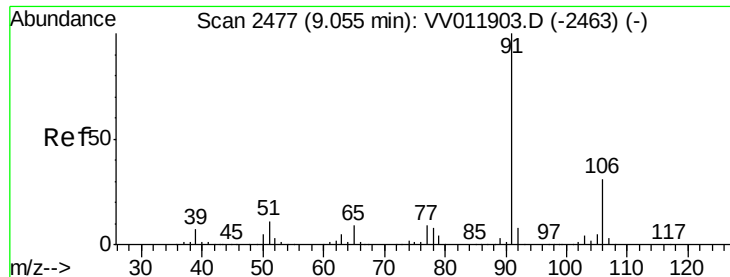
#51
 Chlorobenzene
 Concen: 4.863 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion:112 Resp: 166828
 Ion Ratio Lower Upper
 112 100
 114 32.6 22.6 42.0
 77 63.0 48.6 73.0



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): VV0

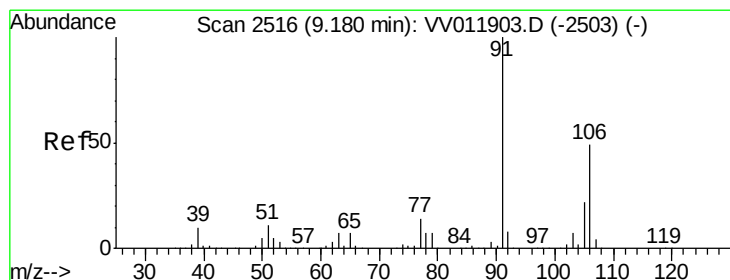
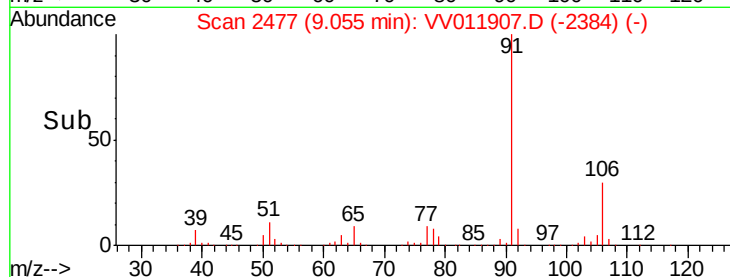
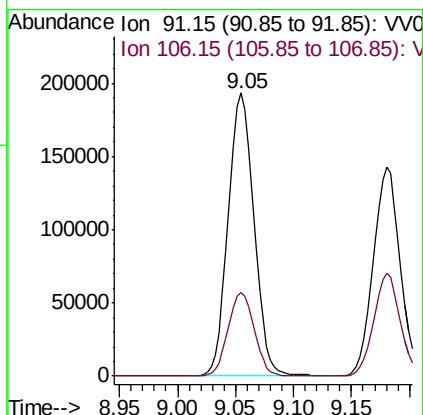
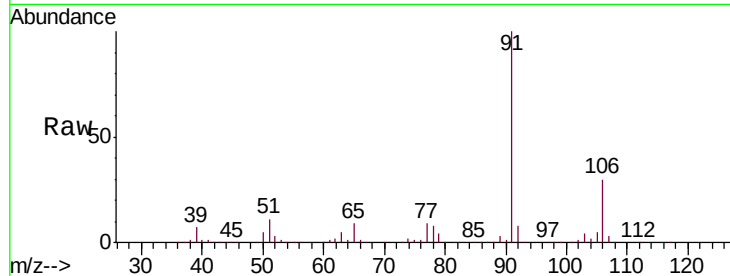




#52
Ethylbenzene
Concen: 4.977 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV011907.D
Acq: 17 Jul 2019 12:48

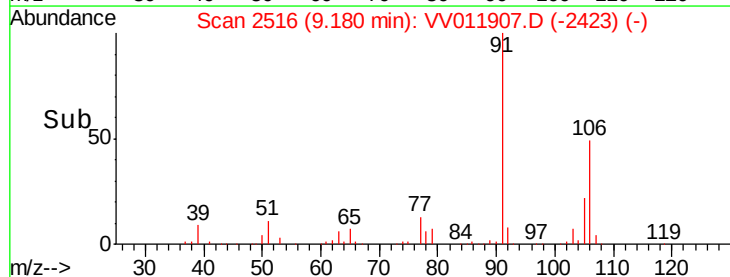
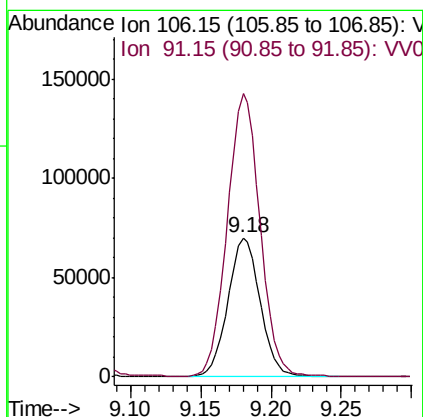
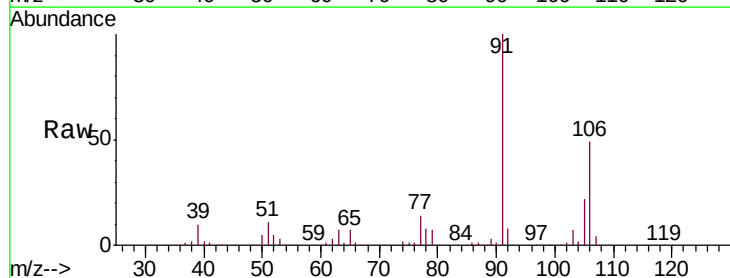
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

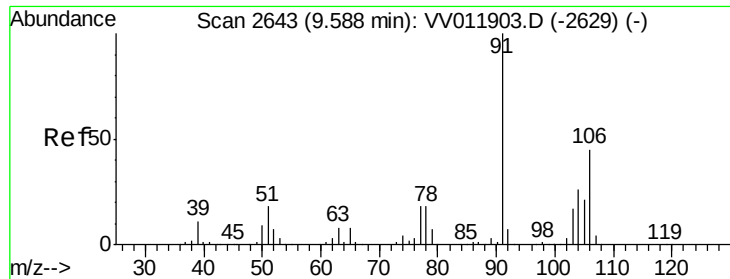
Tgt Ion: 91 Resp: 297270
Ion Ratio Lower Upper
91 100
106 29.7 21.4 39.8



#53
m,p-xylene
Concen: 5.012 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. 0.00 min
Lab File: VV011907.D
Acq: 17 Jul 2019 12:48

Tgt Ion: 106 Resp: 111513
Ion Ratio Lower Upper
106 100
91 203.5 141.8 263.4





#54

o-xylene

Concen: 5.144 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

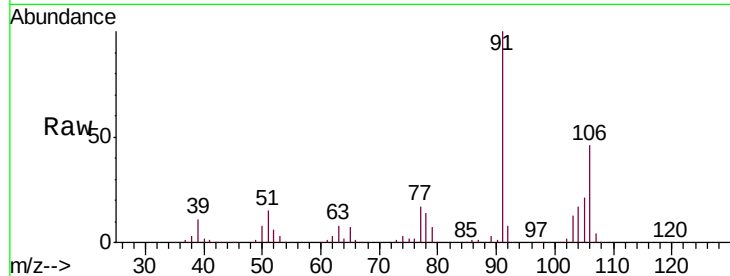
VSTD00539

Tgt Ion:106 Resp: 106619

Ion Ratio Lower Upper

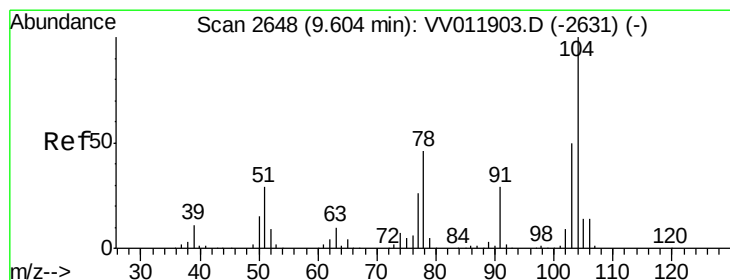
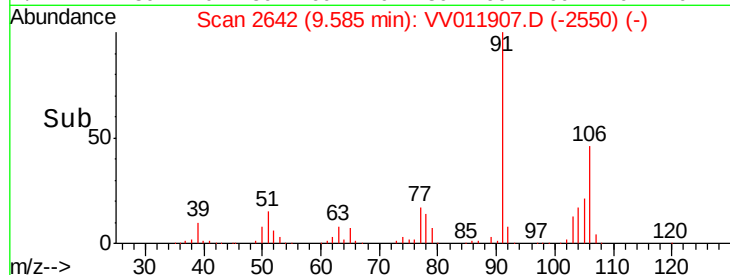
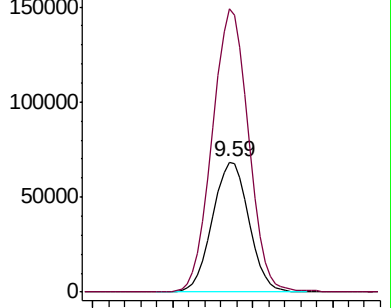
106 100

91 218.0 156.9 291.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.099 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011907.D

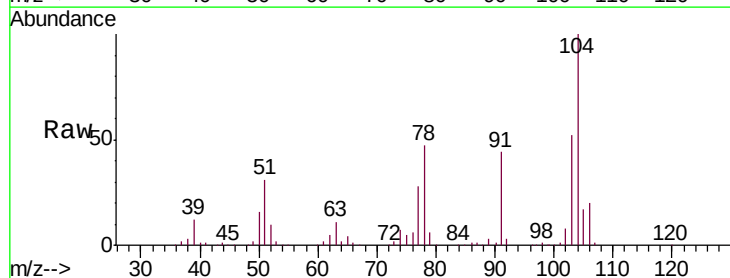
Acq: 17 Jul 2019 12:48

Tgt Ion:104 Resp: 179549

Ion Ratio Lower Upper

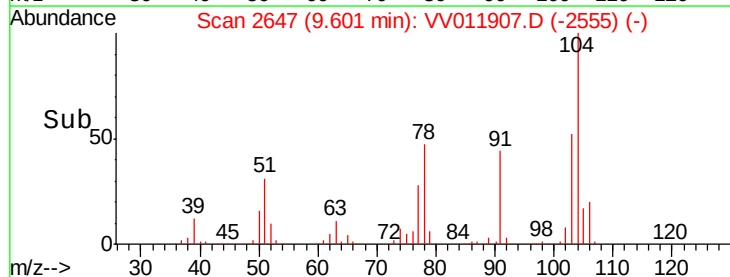
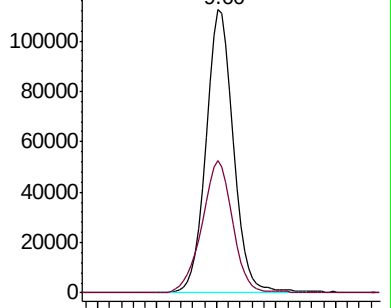
104 100

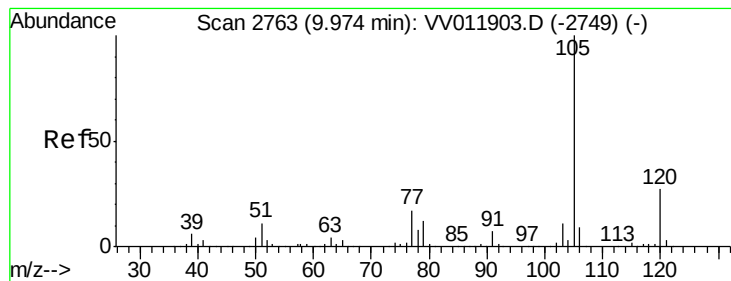
78 46.6 32.0 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.087 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

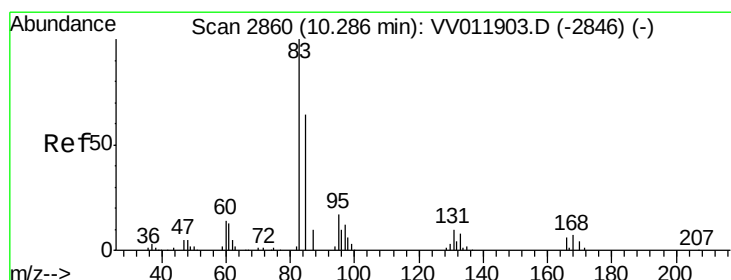
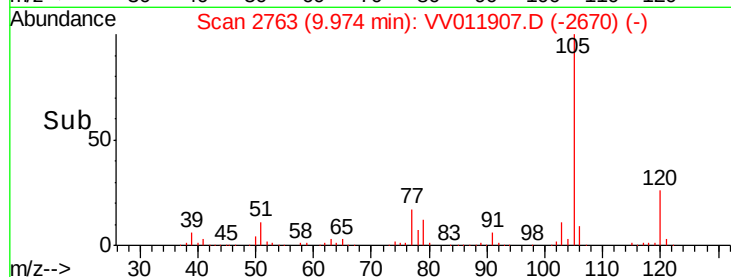
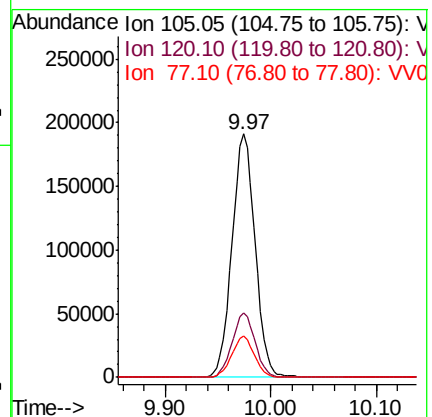
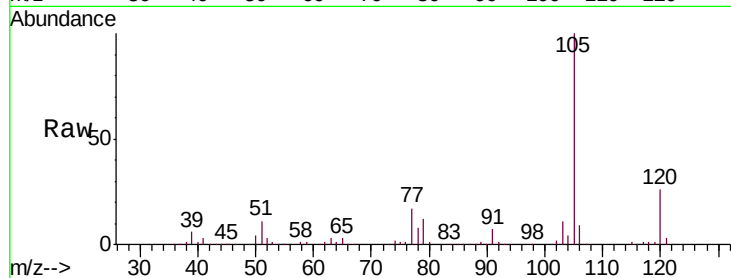
Tgt Ion: 105 Resp: 289566

Ion Ratio Lower Upper

105 100

120 26.4 20.8 31.2

77 16.7 13.3 19.9



#58

1,1,2,2-Tetrachloroethane

Concen: 4.731 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

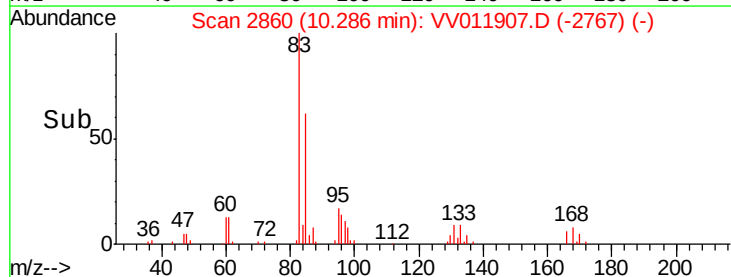
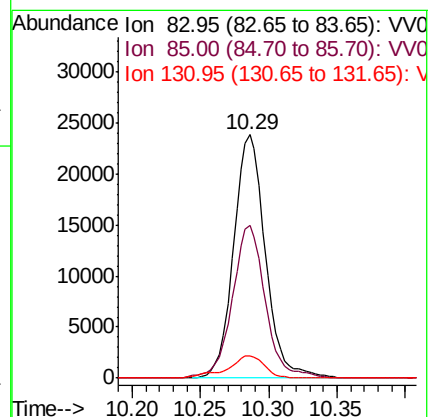
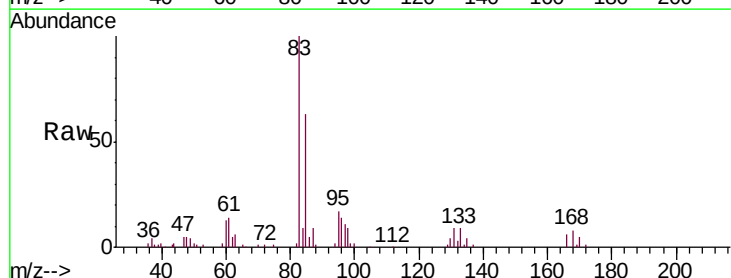
Tgt Ion: 83 Resp: 38562

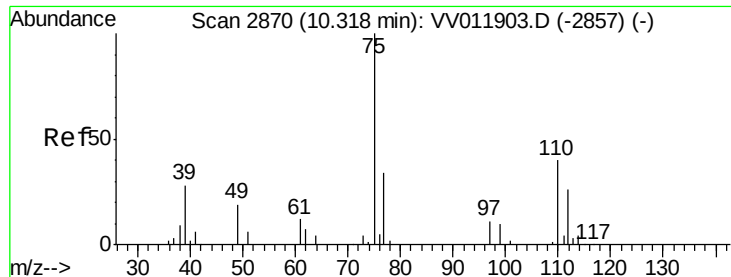
Ion Ratio Lower Upper

83 100

85 62.6 44.9 83.3

131 9.1 8.2 12.2





#59

1,2,3-Trichloropropane

Concen: 4.759 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

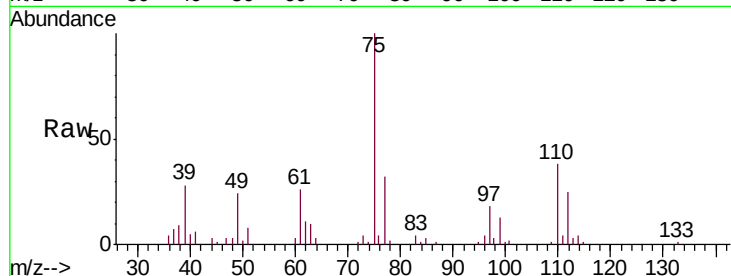
VSTD00539

Tgt Ion: 75 Resp: 35682

Ion Ratio Lower Upper

75 100

77 31.8 26.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV011903.D (-2857) (-)

Ion 77.00 (76.70 to 77.70): VV011903.D (-2857) (-)

10.32

25000

20000

15000

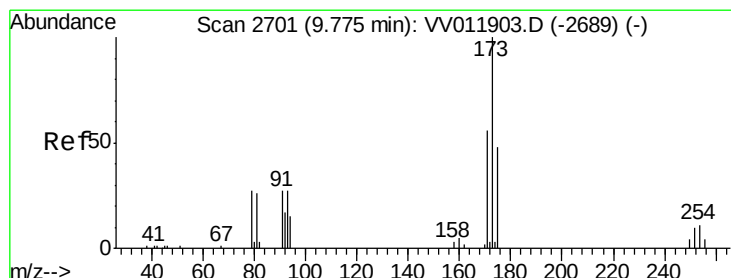
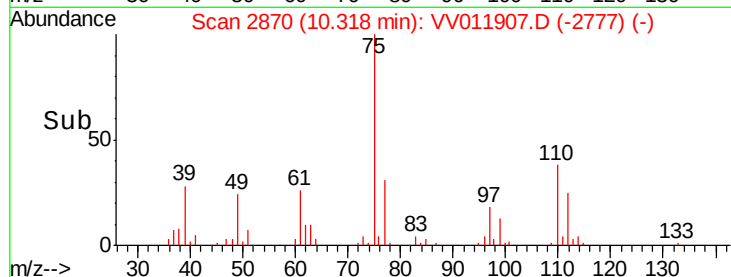
10000

5000

0

10.30 10.40

Time-->



#61

Bromoform

Concen: 4.748 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

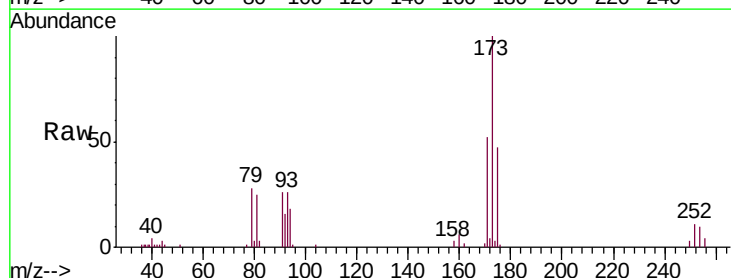
Tgt Ion: 173 Resp: 21268

Ion Ratio Lower Upper

173 100

175 47.9 39.1 58.7

254 9.4 7.8 11.8



Abundance Ion 172.90 (172.60 to 173.60): VV011903.D (-2689) (-)

Ion 174.90 (174.60 to 175.60): VV011903.D (-2689) (-)

Ion 253.75 (253.45 to 254.45): VV011903.D (-2689) (-)

9.77

15000

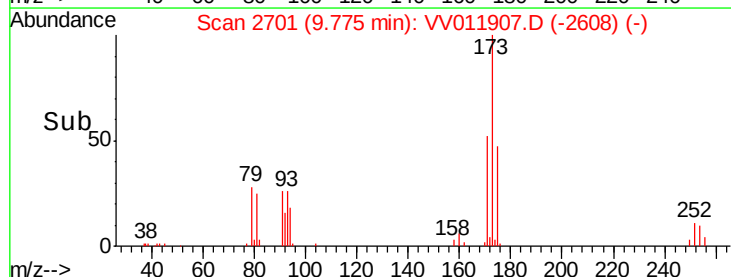
10000

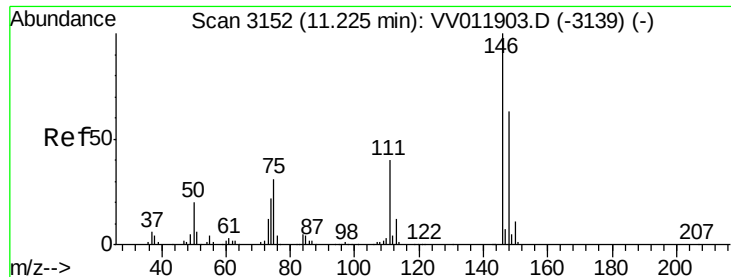
5000

0

9.70 9.75 9.80 9.85

Time-->

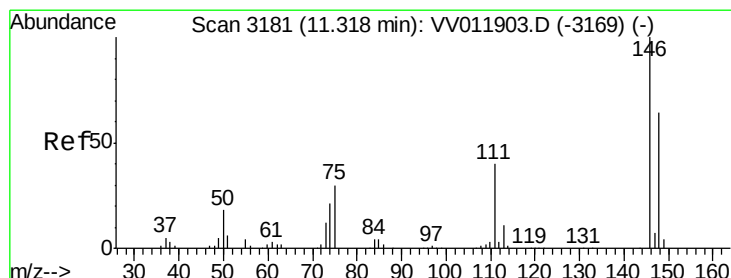
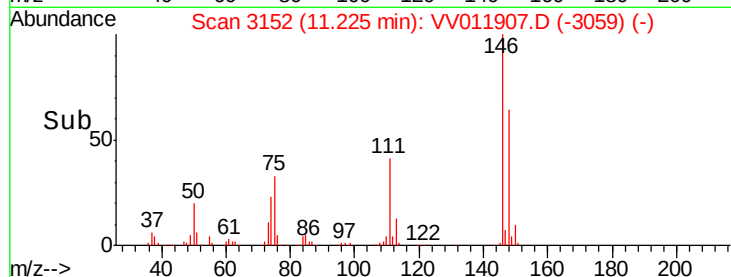
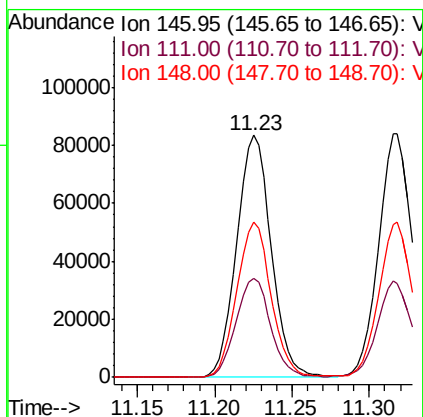
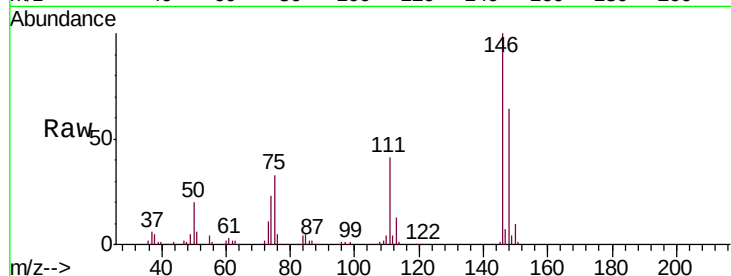




#62
 1,3-Dichlorobenzene
 Concen: 5.031 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

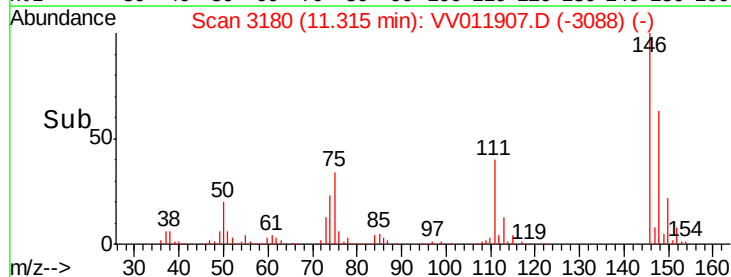
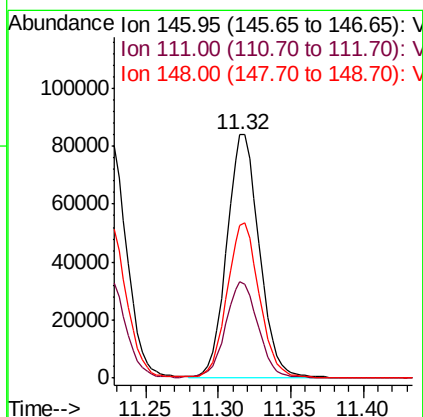
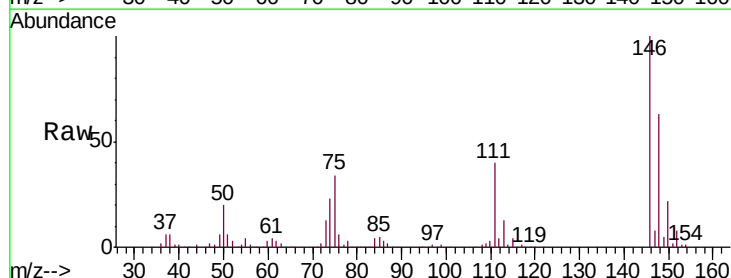
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

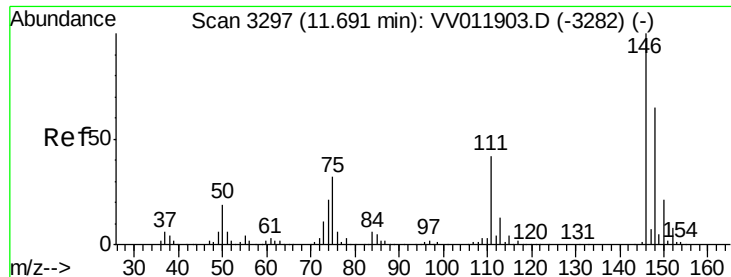
Tgt Ion:146 Resp: 129658
 Ion Ratio Lower Upper
 146 100
 111 41.1 28.1 52.1
 148 64.1 44.3 82.3



#63
 1,4-Dichlorobenzene
 Concen: 4.918 ug/L
 RT: 11.32 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion:146 Resp: 130395
 Ion Ratio Lower Upper
 146 100
 111 39.7 28.0 52.0
 148 63.0 44.5 82.7

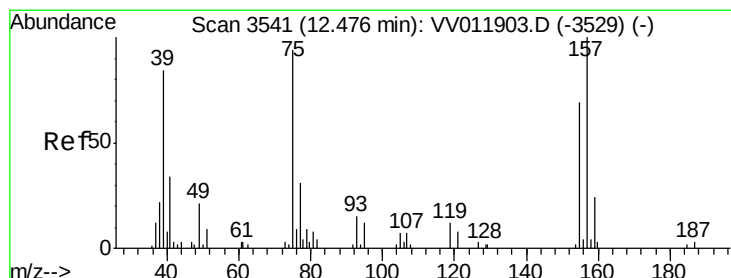
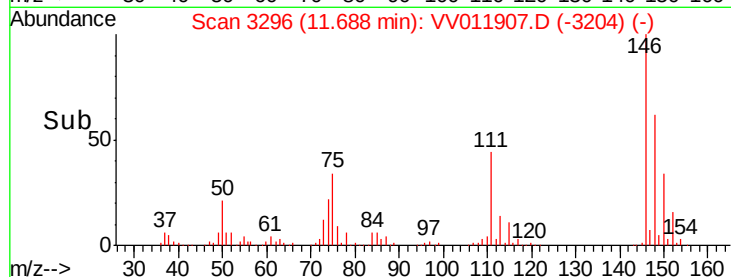
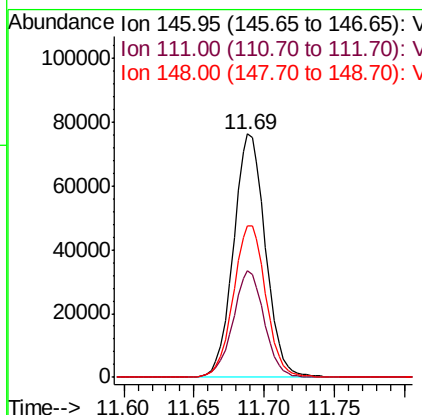
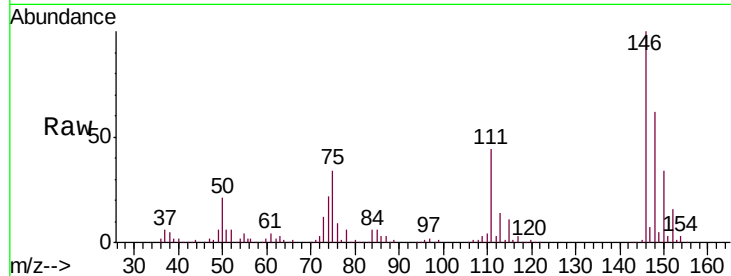




#65
 1,2-Dichlorobenzene
 Concen: 5.007 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

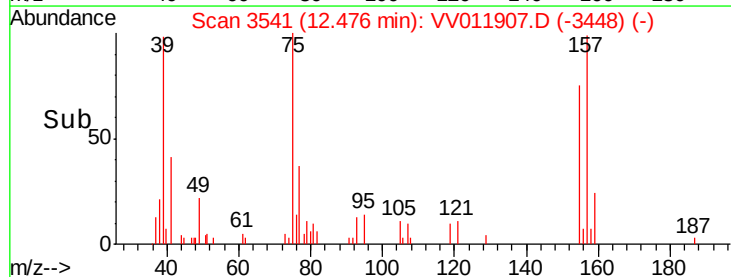
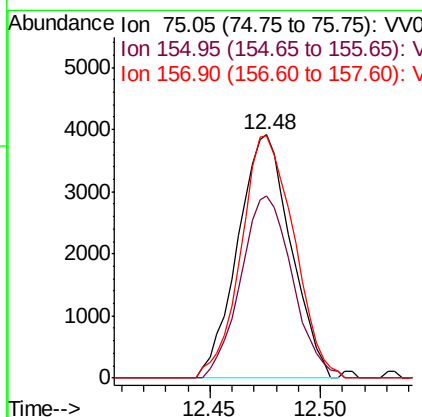
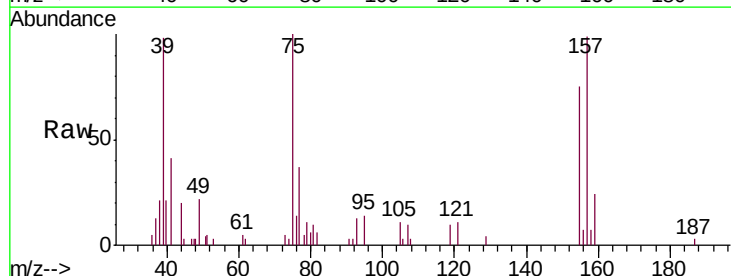
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

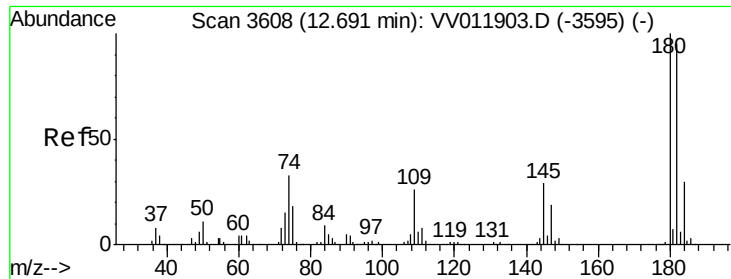
Tgt Ion: 146 Resp: 120872
 Ion Ratio Lower Upper
 146 100
 111 43.7 34.0 51.0
 148 62.3 51.8 77.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.760 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion: 75 Resp: 6524
 Ion Ratio Lower Upper
 75 100
 155 74.6 59.4 89.0
 157 99.3 85.5 128.3

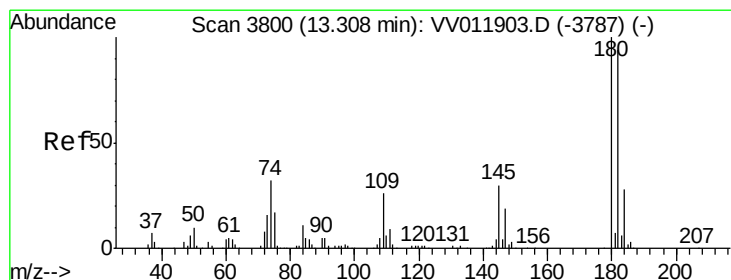
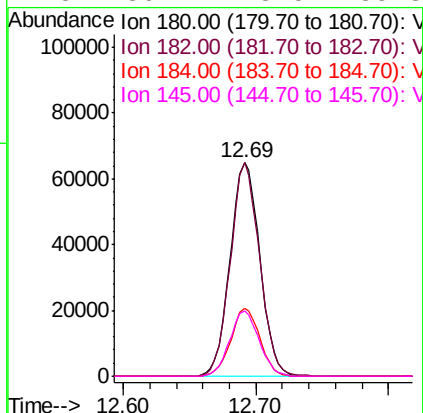
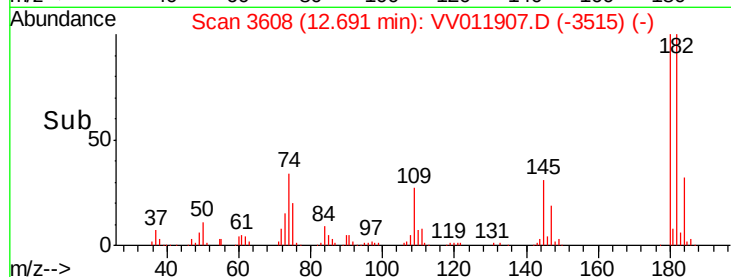
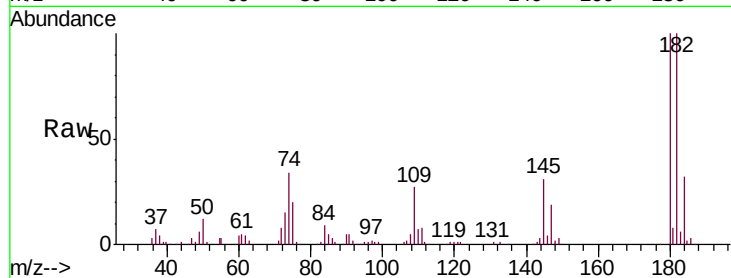




#67
 1,3,5-Trichlorobenzene
 Concen: 5.010 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

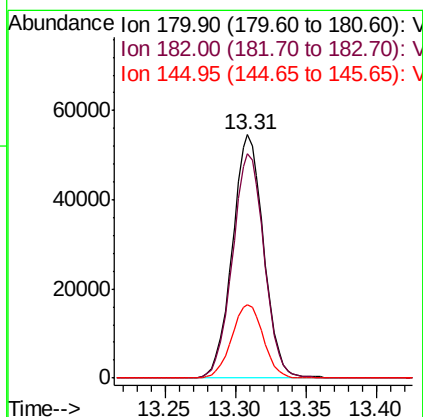
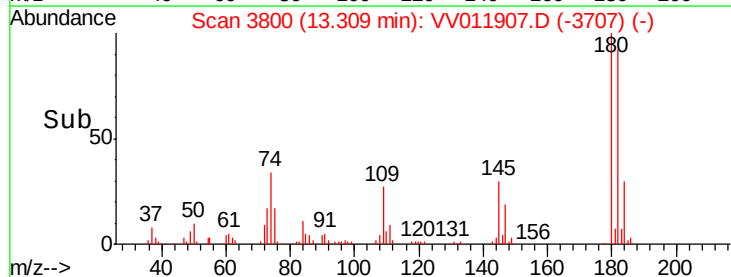
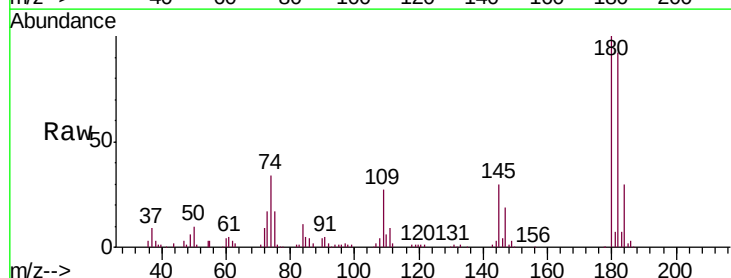
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

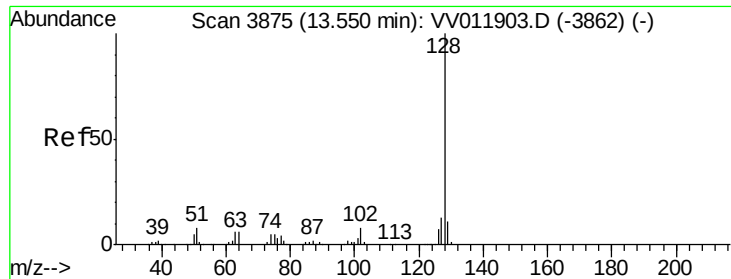
Tgt Ion:	180	Resp:	101332
Ion	Ratio	Lower	Upper
180	100		
182	97.6	75.5	113.3
184	30.9	24.2	36.2
145	30.2	23.5	35.3



#68
 1,2,4-trichlorobenzene
 Concen: 5.313 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV011907.D
 Acq: 17 Jul 2019 12:48

Tgt Ion:	180	Resp:	84801
Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.0	114.0
145	30.3	24.2	36.4





#69

Naphthalene

Concen: 5.224 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

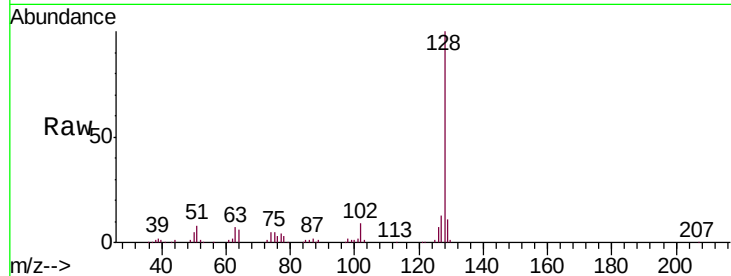
Tgt Ion:128 Resp: 128076

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

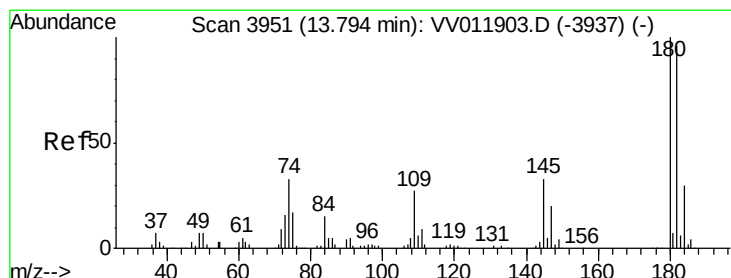
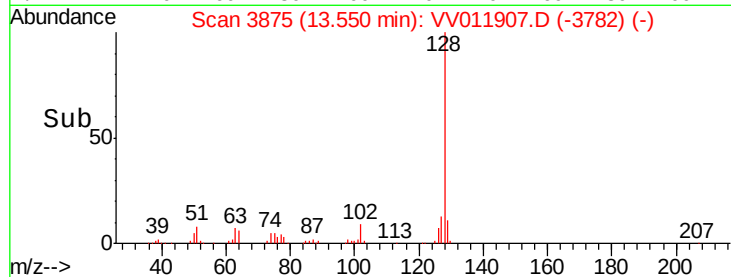
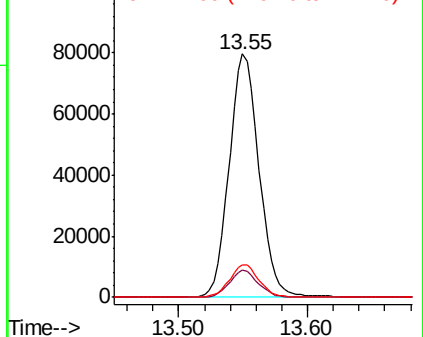
127 13.3 10.7 16.1



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: 5.344 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011907.D

Acq: 17 Jul 2019 12:48

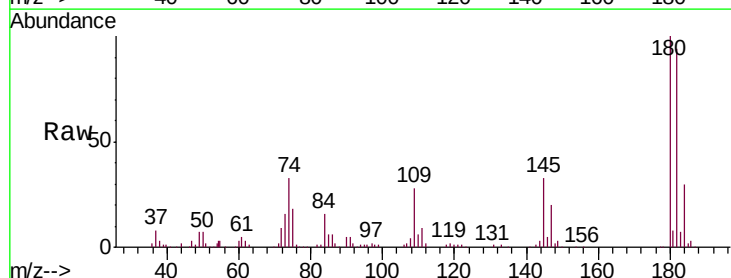
Tgt Ion:180 Resp: 76906

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.6

145 32.5 26.1 39.1



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

