

Data File : VV011868.D
Acq On : 12 Jul 2019 15:18
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Quant Time: Jul 13 04:15:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:09:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	191899	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	184941	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	88458	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	60939	4.23	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	84.60%
7) Chloroethane-d5	1.58	69	49017	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	86.00%
11) 1,1-Dichloroethene-d2	2.13	63	99287	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	87.40%
20) 2-Butanone-d5	3.95	46	141959	46.91	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.82%
24) Chloroform-d	4.40	84	115101	4.40	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.00%
26) 1,2-Dichloroethane-d4	5.08	65	59598	4.57	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.40%
32) Benzene-d6	5.10	84	224547	4.41	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	88.20%
36) 1,2-Dichloropropane-d6	6.12	67	68077	4.34	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.80%
41) Toluene-d8	7.36	98	211143	4.54	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.80%
43) trans-1,3-Dichloropropene-	7.66	79	25025	4.36	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	87.20%
46) 2-Hexanone-d5	8.13	63	103678	45.90	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.80%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	40434	4.16	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.20%
64) 1,2-Dichlorobenzene-d4	11.67	152	72365	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	85244	4.514 ug/L	96
3) Chloromethane	1.25	50	82877	4.455 ug/L	99
5) Vinyl chloride	1.32	62	78412	4.326 ug/L	99
6) Bromomethane	1.54	94	46161	4.464 ug/L	96
8) Chloroethane	1.60	64	46646	4.325 ug/L	97
9) Trichlorofluoromethane	1.77	101	96458	4.078 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	49935	4.468 ug/L	97
12) 1,1-Dichloroethene	2.14	96	46123	4.499 ug/L	86
13) Acetone	2.21	43	83942	45.236 ug/L	96
14) Carbon disulfide	2.32	76	126774	4.597 ug/L	99
15) Methyl Acetate	2.47	43	19662	4.457 ug/L	93
16) Methylene chloride	2.53	84	54781	5.044 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	139771	4.719 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	63154	4.636 ug/L	93
19) 1,1-Dichloroethane	3.23	63	120293	4.676 ug/L	98
21) 2-Butanone	4.04	43	166897	49.579 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	64958	4.452 ug/L	99

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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jul 13 04:09:55 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27116	4.396	ug/L	93
25) Chloroform	4.42	83	125206	4.412	ug/L	99
27) 1,2-Dichloroethane	5.18	62	76990	4.714	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	100616	4.316	ug/L	97
30) Cyclohexane	4.72	56	106710	4.459	ug/L	98
31) Carbon tetrachloride	4.87	117	88950	4.463	ug/L	98
33) Benzene	5.14	78	259958	4.515	ug/L	100
34) Trichloroethene	5.96	95	73270	4.461	ug/L	93
35) Methylcyclohexane	6.17	83	111803	4.636	ug/L	97
37) 1,2-Dichloropropane	6.22	63	65763	4.563	ug/L	99
38) Bromodichloromethane	6.55	83	76780	4.403	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	88265	4.470	ug/L	100
40) 4-Methyl-2-pentanone	7.27	43	401095	46.818	ug/L	99
42) Toluene	7.43	91	280271	4.637	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	68569	4.481	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	43394	4.497	ug/L	99
47) Tetrachloroethene	8.02	164	53682	4.437	ug/L	97
48) 2-Hexanone	8.18	43	294689	47.886	ug/L	100
49) Dibromochloromethane	8.29	129	46117	4.346	ug/L	100
50) 1,2-Dibromoethane	8.40	107	39156	4.396	ug/L	99
51) Chlorobenzene	8.92	112	172814	4.420	ug/L	97
52) Ethylbenzene	9.05	91	303450	4.544	ug/L	98
53) m,p-xylene	9.18	106	117297	4.759	ug/L	98
54) o-xylene	9.59	106	110550	4.705	ug/L	100
55) Styrene	9.60	104	185888	4.690	ug/L	99
56) Isopropylbenzene	9.97	105	296747	4.628	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	41789	4.394	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	38094	4.446	ug/L	99
61) Bromoform	9.77	173	21800	4.437	ug/L	99
62) 1,3-Dichlorobenzene	11.22	146	129521	4.534	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	130070	4.398	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	122452	4.530	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.47	75	6394	3.847	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	99936	4.450	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	80509	4.528	ug/L	100
69) Naphthalene	13.55	128	119734	4.559	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	75217	4.658	ug/L	99

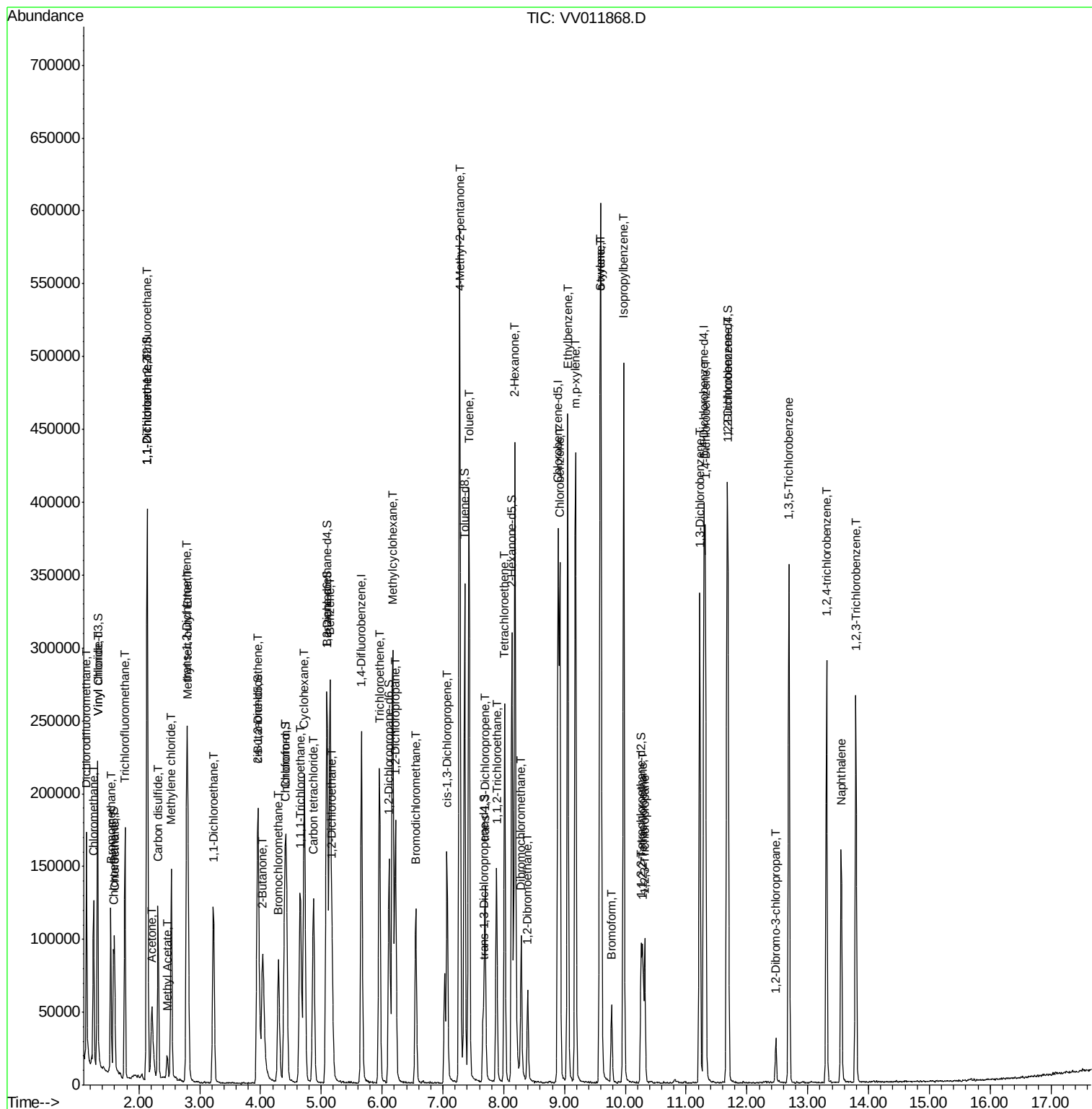
(#) = qualifier out of range (m) = manual integration (+) = signals summed

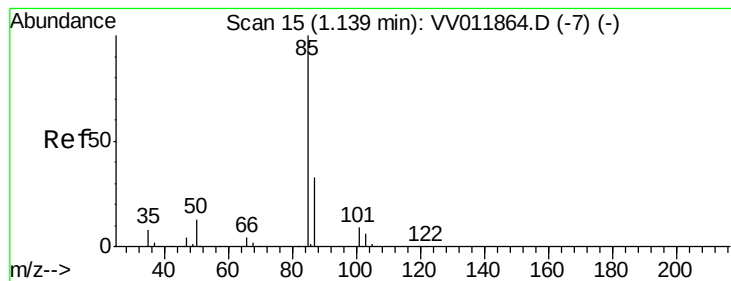
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Acq On       : 12 Jul 2019   15:18
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ClientSampleId :
VSTD00558

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#2

Dichlorodifluoromethane

Concen: 4.514 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

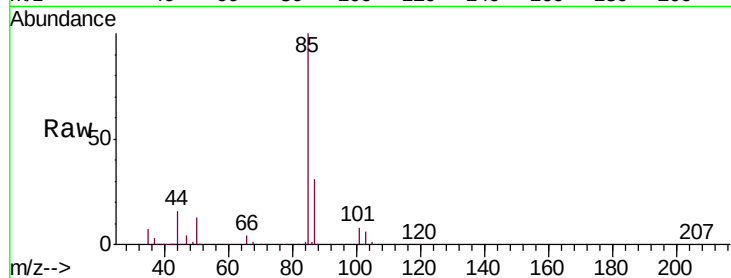
VSTD00558

Tgt Ion: 85 Resp: 85244

Ion Ratio Lower Upper

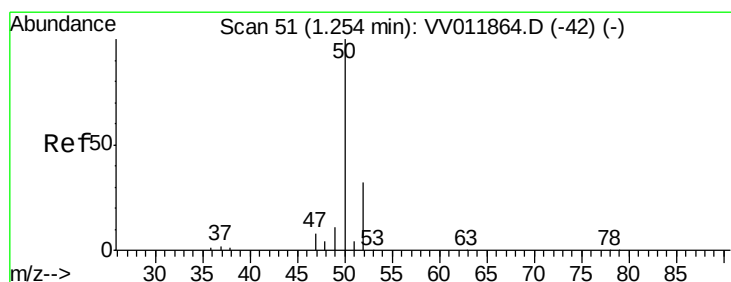
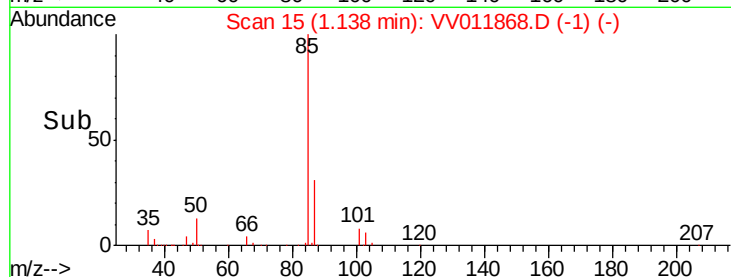
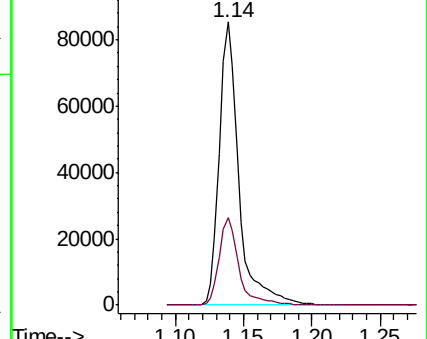
85 100

87 31.1 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VV011868.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV011868.D (-7) (-)



#3

Chloromethane

Concen: 4.455 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV011868.D

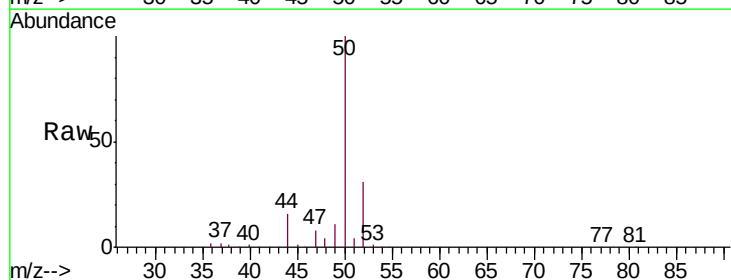
Acq: 12 Jul 2019 15:18

Tgt Ion: 50 Resp: 82877

Ion Ratio Lower Upper

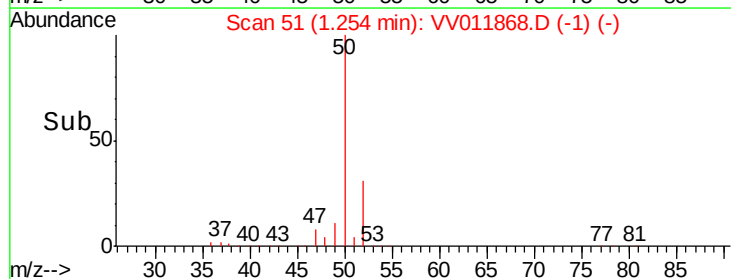
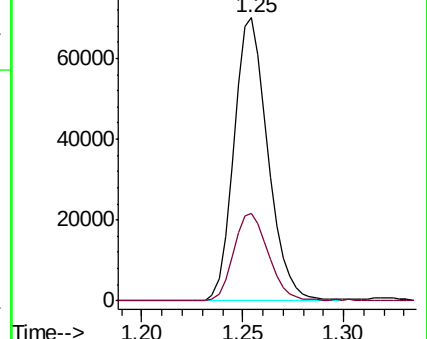
50 100

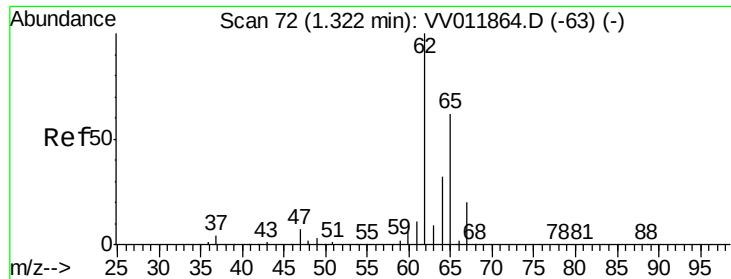
52 30.9 22.0 41.0



Abundance Ion 50.05 (49.75 to 50.75): VV011868.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011868.D (-42) (-)





#5

Vinyl chloride

Concen: 4.326 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

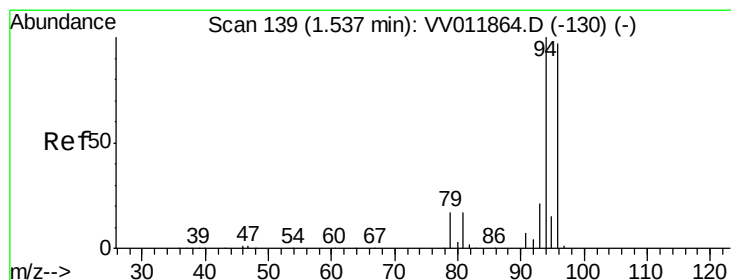
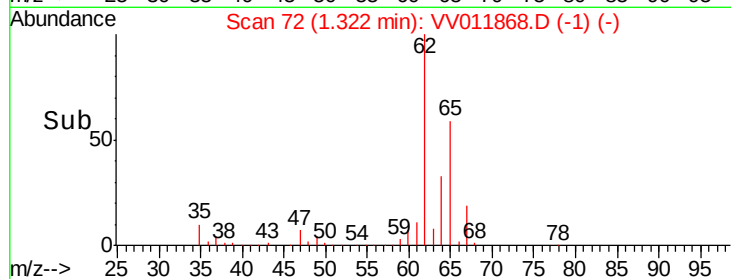
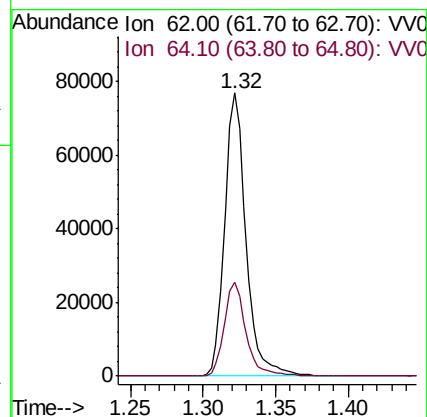
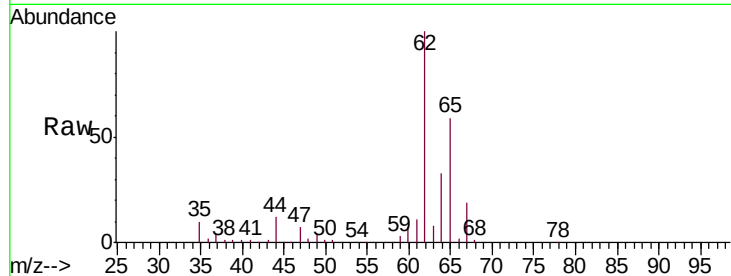
VSTD00558

Tgt Ion: 62 Resp: 78412

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



#6

Bromomethane

Concen: 4.464 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV011868.D

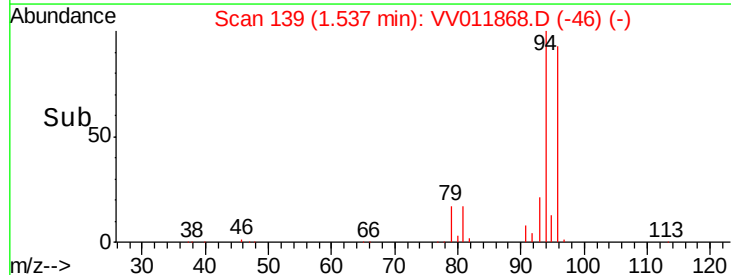
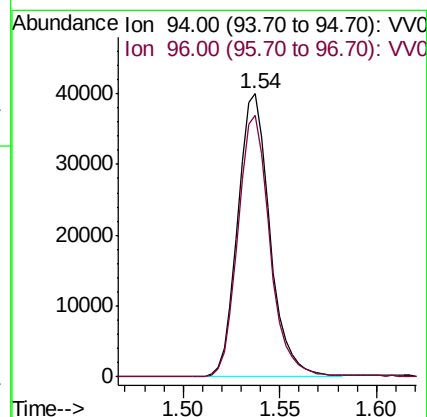
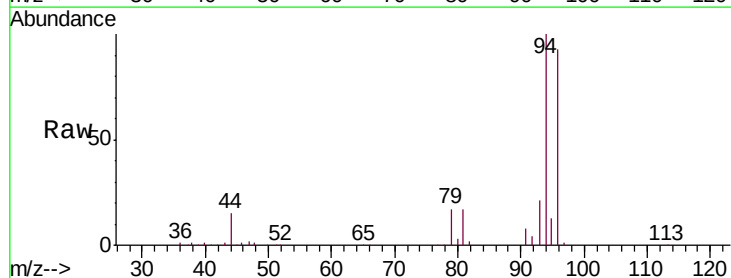
Acq: 12 Jul 2019 15:18

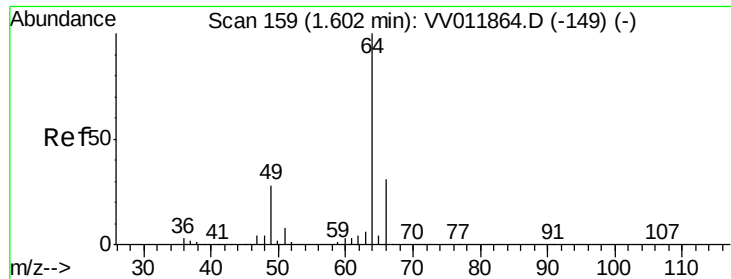
Tgt Ion: 94 Resp: 46161

Ion Ratio Lower Upper

94 100

96 92.6 67.9 126.1





#8

Chloroethane

Concen: 4.325 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

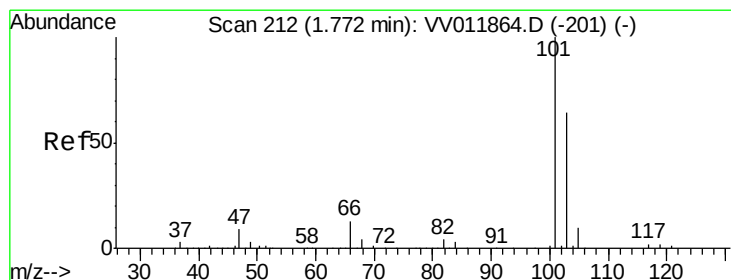
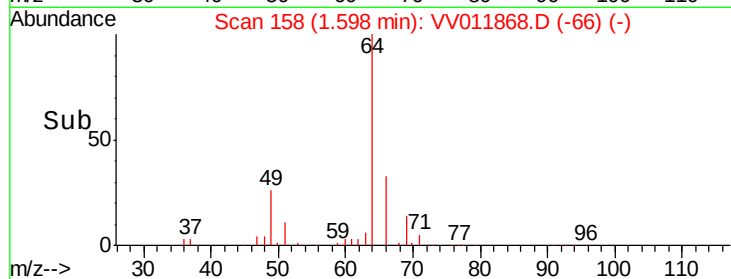
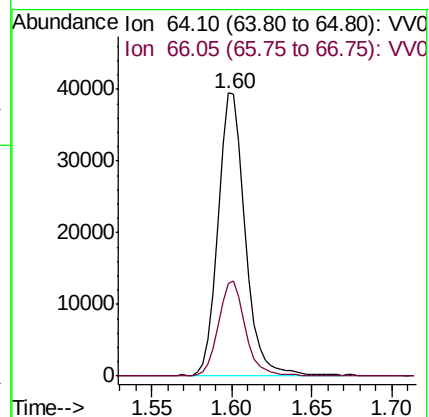
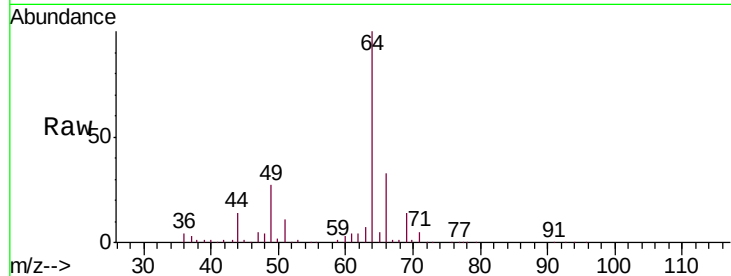
VSTD00558

Tgt Ion: 64 Resp: 46646

Ion Ratio Lower Upper

64 100

66 33.0 21.8 40.4



#9

Trichlorofluoromethane

Concen: 4.078 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV011868.D

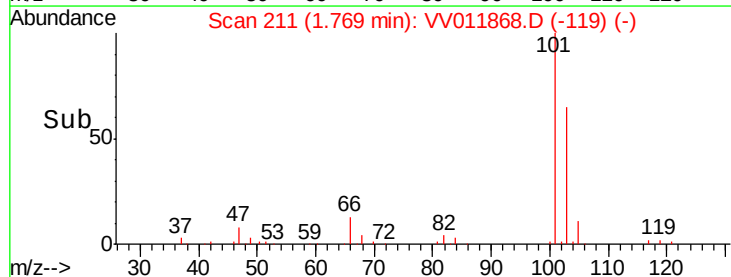
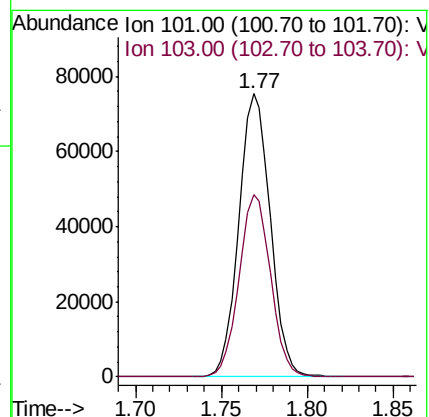
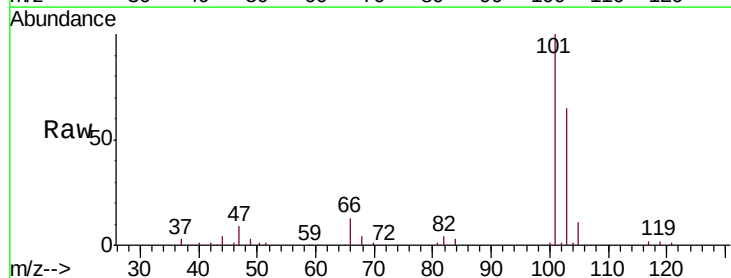
Acq: 12 Jul 2019 15:18

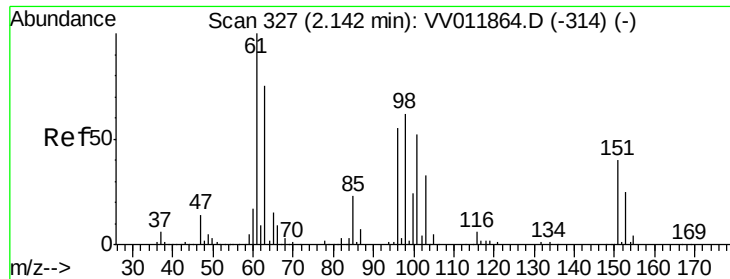
Tgt Ion: 101 Resp: 96458

Ion Ratio Lower Upper

101 100

103 64.6 51.9 77.9





#10

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

Concen: 4.468 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

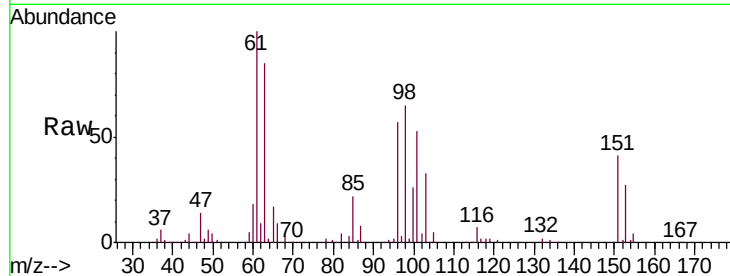
Tgt Ion: 101 Resp: 49935

Ion Ratio Lower Upper

101 100

85 44.0 34.8 52.2

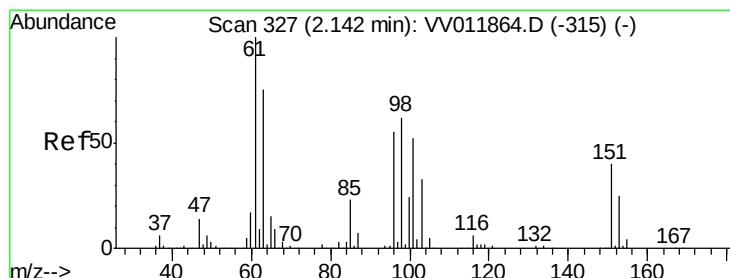
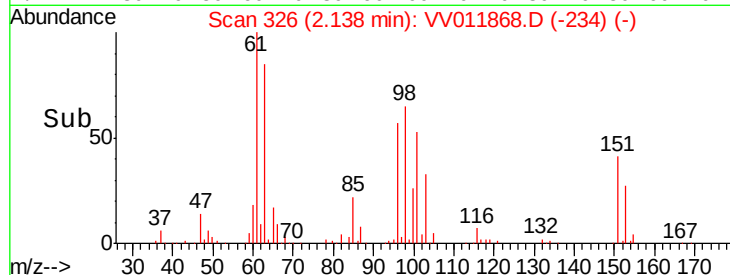
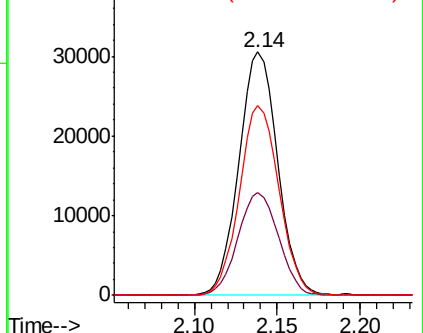
151 79.4 60.8 91.2



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: 4.499 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

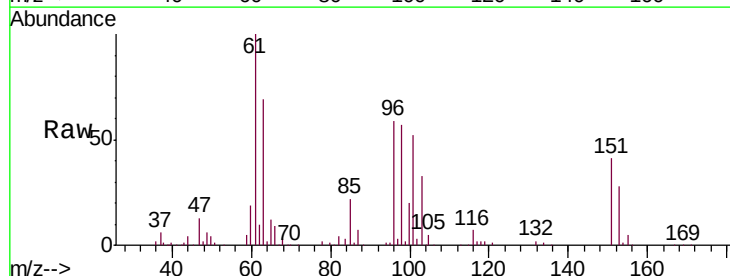
Tgt Ion: 96 Resp: 46123

Ion Ratio Lower Upper

96 100

61 168.4 128.1 237.9

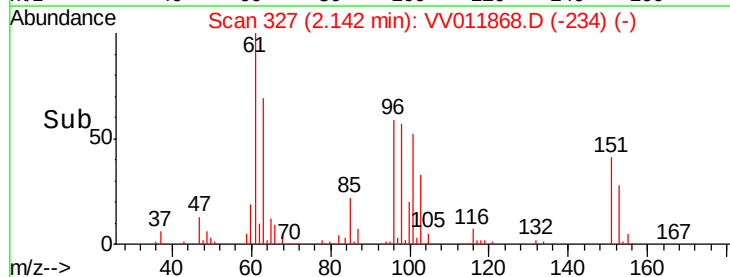
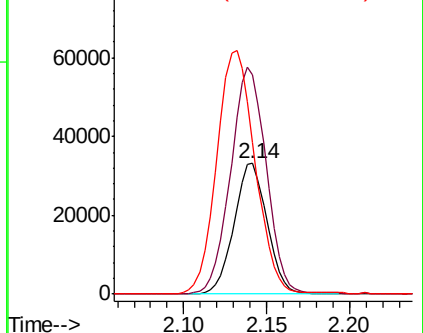
63 116.3 96.7 179.5

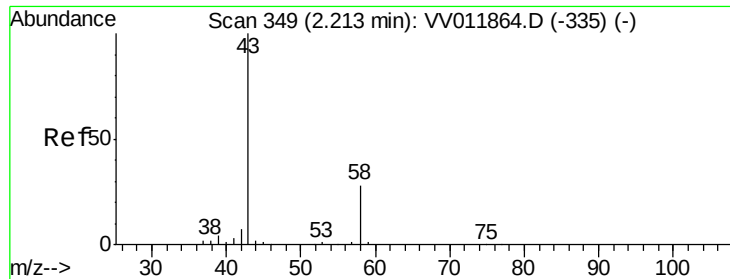


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.236 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.00 min

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ClientSampleId :

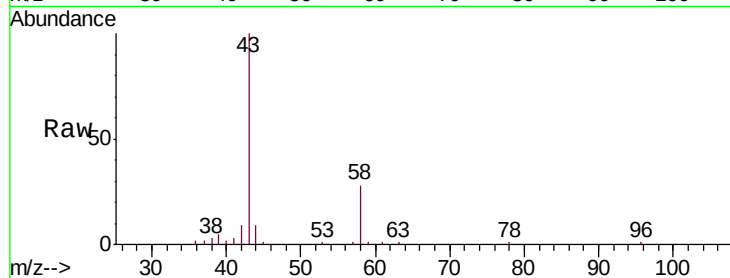
VSTD00558

Tgt Ion: 43 Resp: 83942

Ion Ratio Lower Upper

43 100

58 27.3 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV011868.D (-256) (-)

Ion 58.05 (57.75 to 58.75): VV011868.D (-256) (-)

2.21

30000

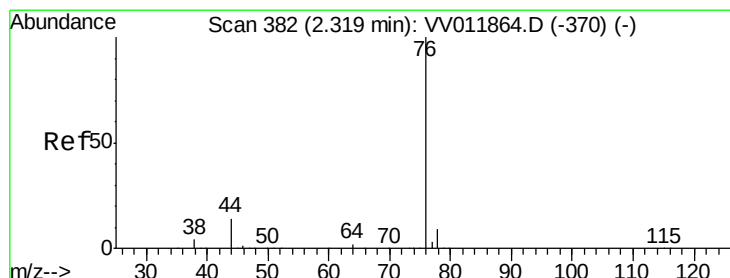
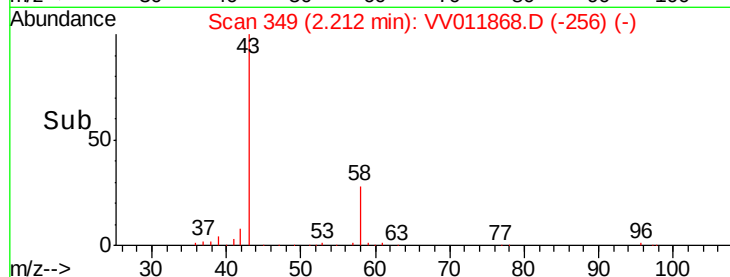
20000

10000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.597 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV011868.D

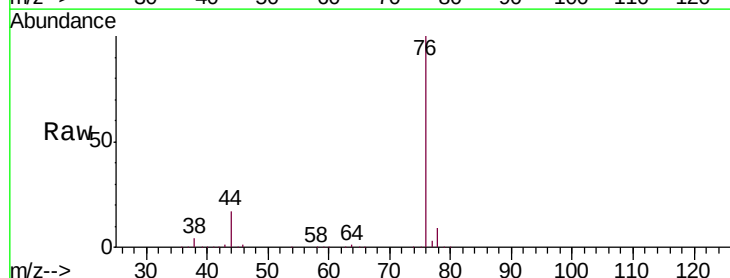
Acq: 12 Jul 2019 15:18

Tgt Ion: 76 Resp: 126774

Ion Ratio Lower Upper

76 100

78 9.3 7.6 11.4



Abundance Ion 76.05 (75.75 to 76.75): VV011868.D (-289) (-)

Ion 78.00 (77.70 to 78.70): VV011868.D (-289) (-)

2.32

100000

80000

60000

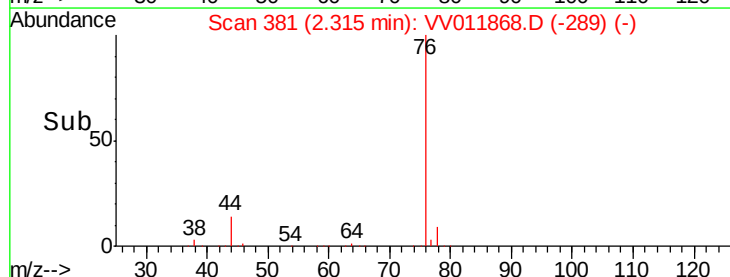
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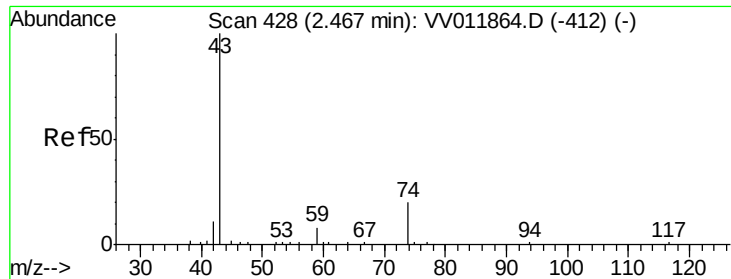
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0

Time-->

2.25 2.30 2.35

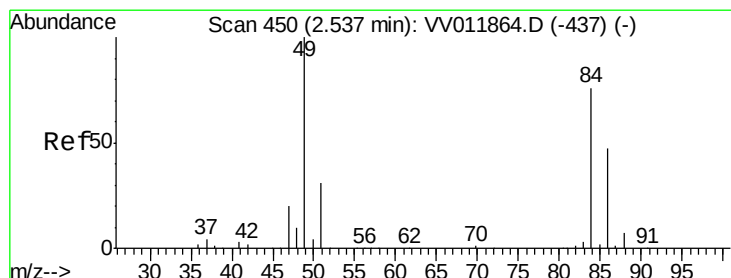
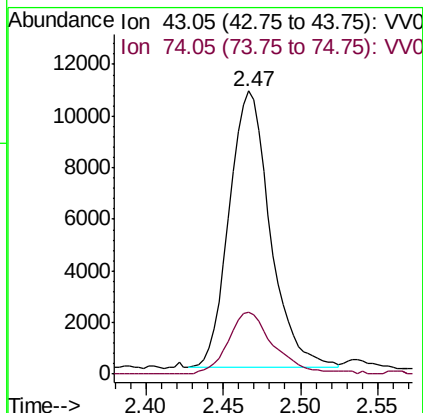
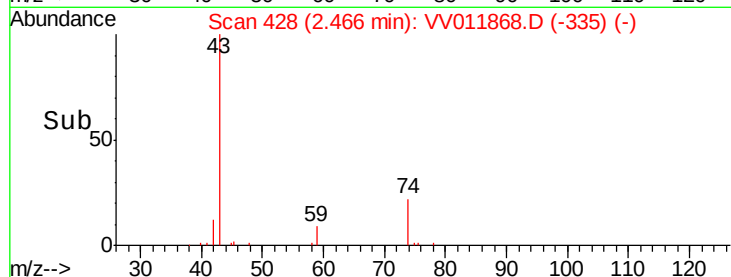
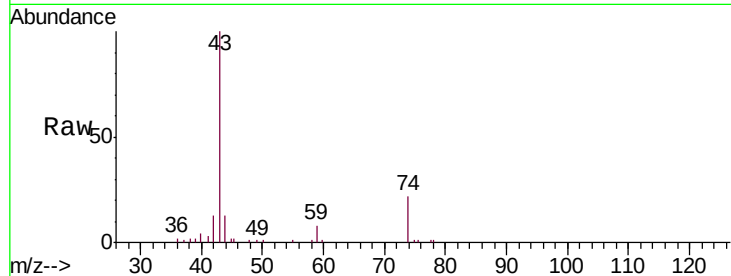




#15
Methyl Acetate
Concen: 4.457 ug/L
RT: 2.47 min Scan# 428
Delta R.T. -0.00 min
Lab File: VV011868.D
Acq: 12 Jul 2019 15:18

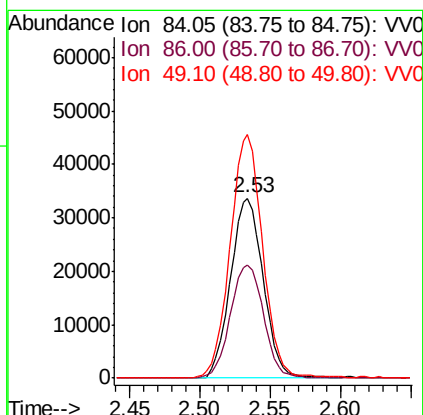
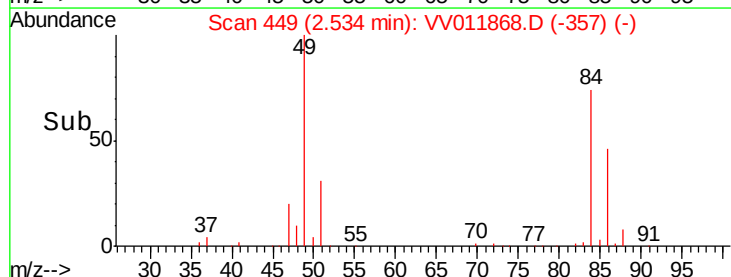
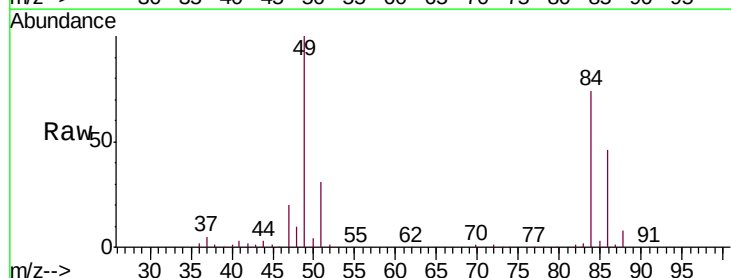
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

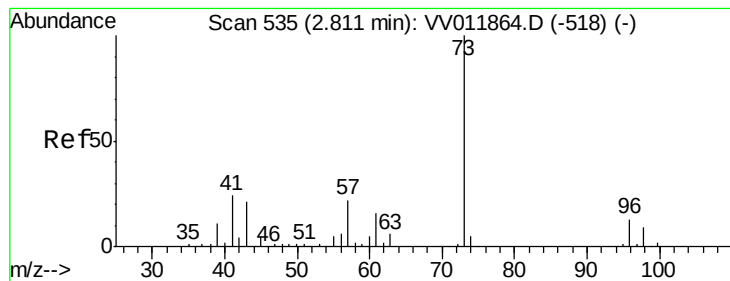
Tgt Ion: 43 Resp: 19662
Ion Ratio Lower Upper
43 100
74 24.9 17.4 26.0



#16
Methylene chloride
Concen: 5.044 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV011868.D
Acq: 12 Jul 2019 15:18

Tgt Ion: 84 Resp: 54781
Ion Ratio Lower Upper
84 100
86 62.7 43.9 81.5
49 135.1 92.6 172.0





#17

Methyl tert-butyl Ether

Concen: 4.719 ug/L

RT: 2.81 min Scan# 534

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

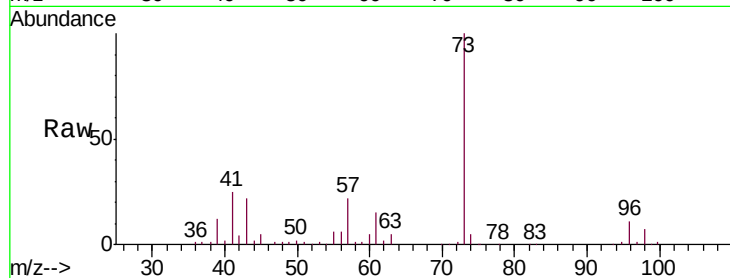
Tgt Ion: 73 Resp: 139771

Ion Ratio Lower Upper

73 100

43 22.7 16.3 24.5

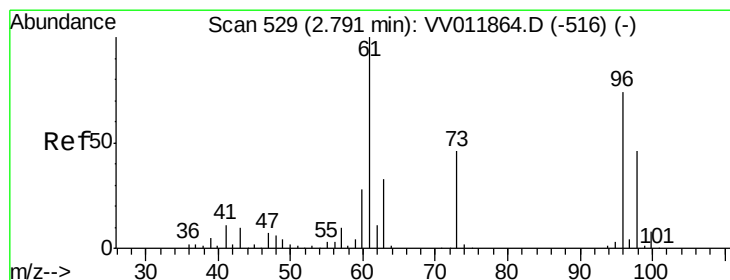
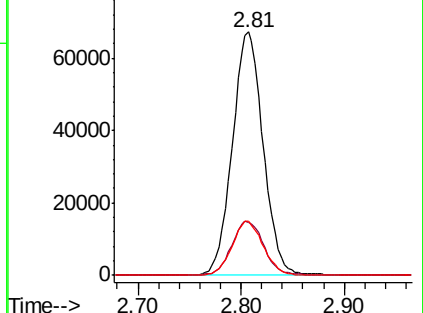
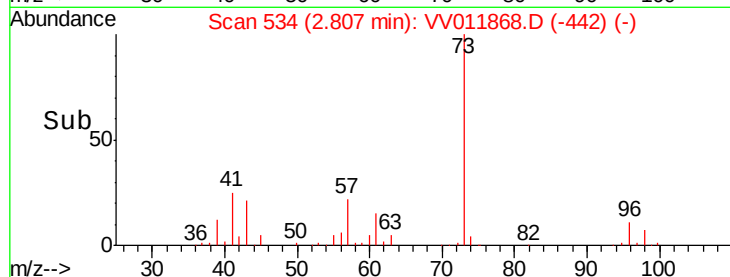
57 22.6 17.4 26.0



Abundance Ion 73.10 (72.80 to 73.80): VV011868.D (-442) (-)

Ion 43.05 (42.75 to 43.75): VV011868.D (-442) (-)

Ion 57.10 (56.80 to 57.80): VV011868.D (-442) (-)



#18

trans-1,2-Dichloroethene

Concen: 4.636 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

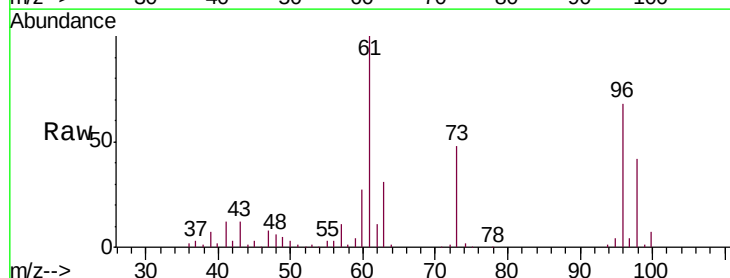
Tgt Ion: 96 Resp: 63154

Ion Ratio Lower Upper

96 100

61 146.8 94.8 176.2

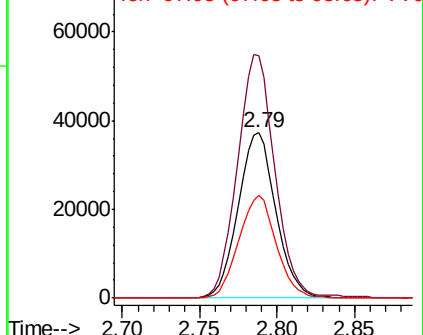
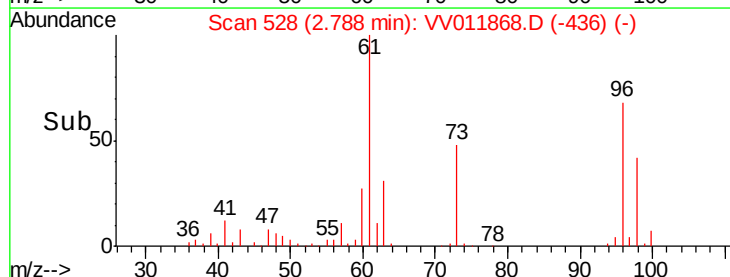
98 62.0 43.4 80.6

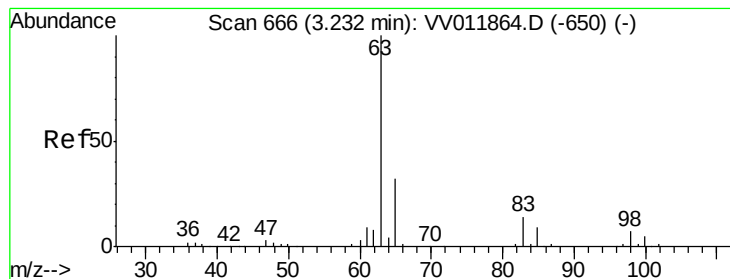


Abundance Ion 96.00 (95.70 to 96.70): VV011868.D (-436) (-)

Ion 61.05 (60.75 to 61.75): VV011868.D (-436) (-)

Ion 97.95 (97.65 to 98.65): VV011868.D (-436) (-)





#19

1,1-Dichloroethane

Concen: 4.676 ug/L

RT: 3.23 min Scan# 664

Delta R.T. -0.01 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

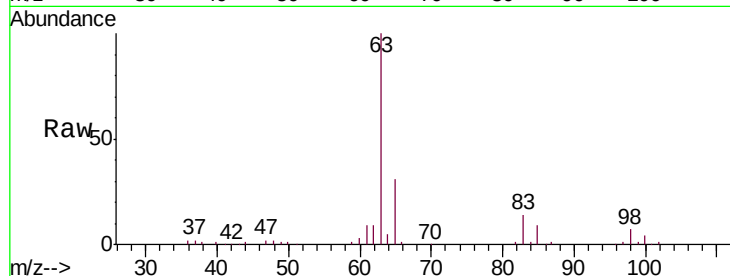
Tgt Ion: 63 Resp: 120293

Ion Ratio Lower Upper

63 100

65 30.8 22.6 42.0

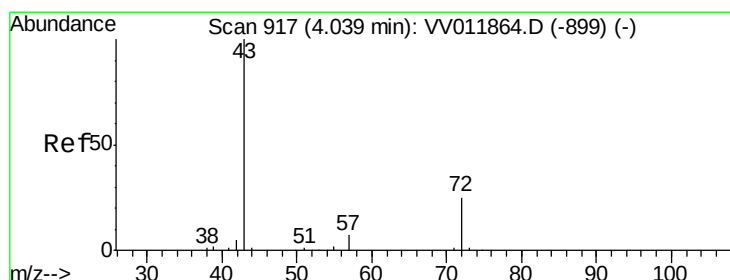
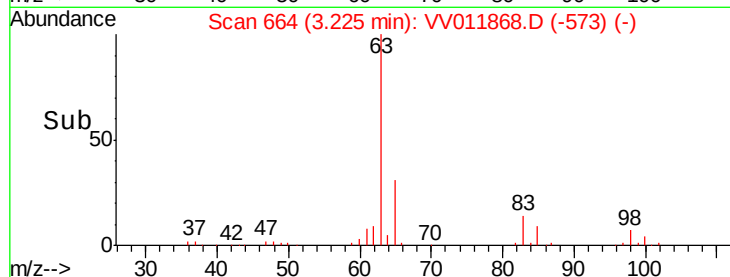
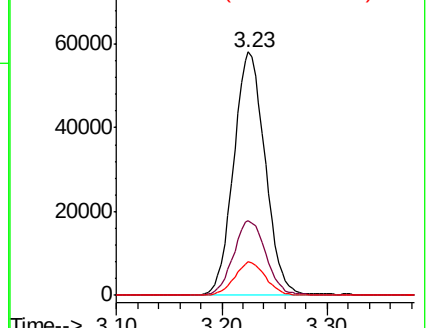
83 13.6 10.0 18.6



Abundance Ion 63.10 (62.80 to 63.80): VV011868.D (-650) (-)

Ion 65.10 (64.80 to 65.80): VV011868.D (-650) (-)

Ion 83.05 (82.75 to 83.75): VV011868.D (-650) (-)



#21

2-Butanone

Concen: 49.579 ug/L

RT: 4.04 min Scan# 917

Delta R.T. -0.00 min

Lab File: VV011868.D

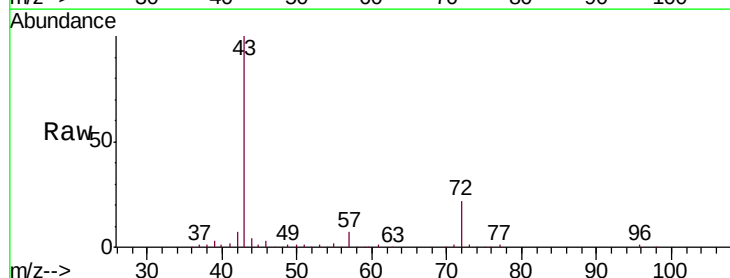
Acq: 12 Jul 2019 15:18

Tgt Ion: 43 Resp: 166897

Ion Ratio Lower Upper

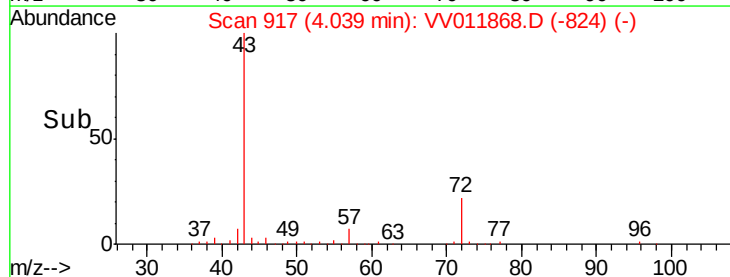
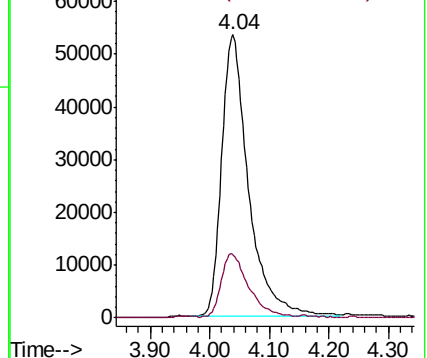
43 100

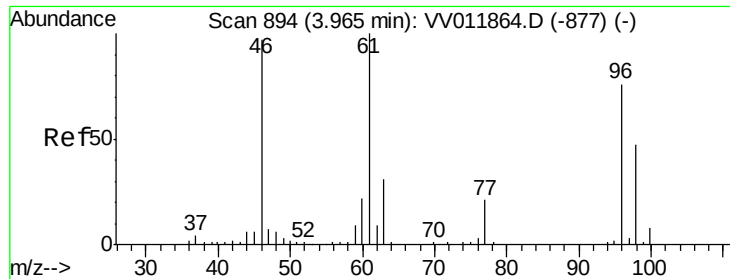
72 22.9 12.2 36.4



Abundance Ion 43.05 (42.75 to 43.75): VV011868.D (-824) (-)

Ion 72.10 (71.80 to 72.80): VV011868.D (-824) (-)



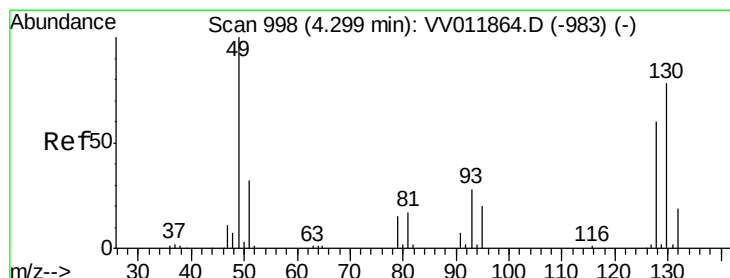
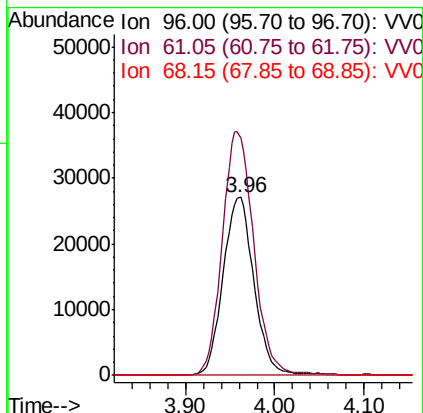
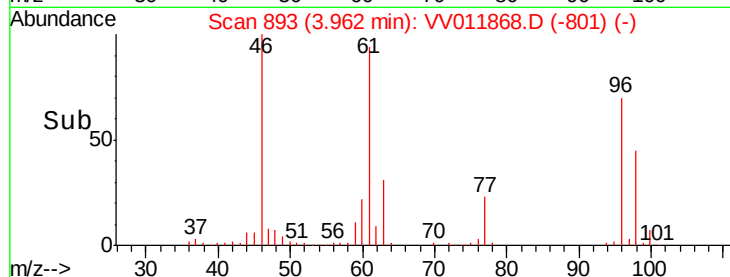
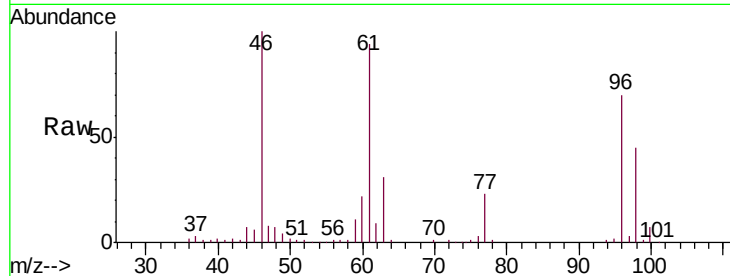


#22

cis-1,2-Dichloroethene
 Concen: 4.452 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD00558

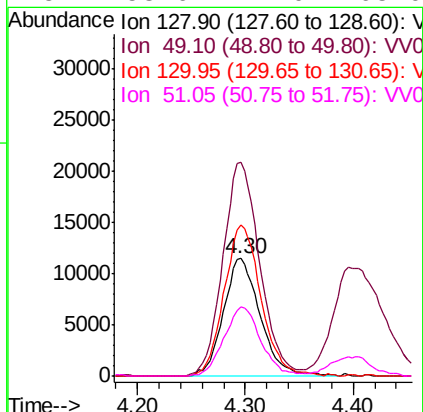
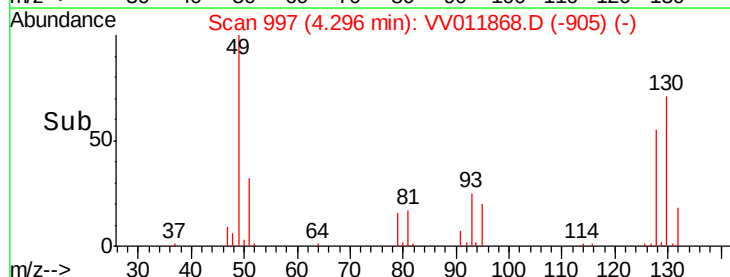
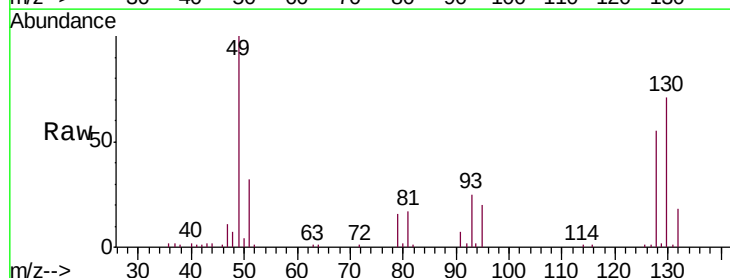
Tgt Ion: 96 Resp: 64958
 Ion Ratio Lower Upper
 96 100
 61 133.1 92.6 172.0
 68 0.0 0.0 0.0

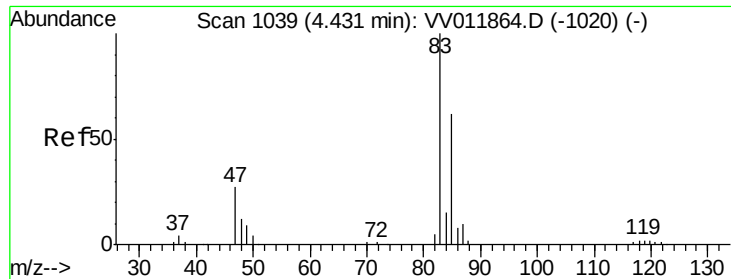


#23

Bromochloromethane
 Concen: 4.396 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion: 128 Resp: 27116
 Ion Ratio Lower Upper
 128 100
 49 182.1 116.3 216.1
 130 128.6 90.3 167.7
 51 58.6 42.0 63.0

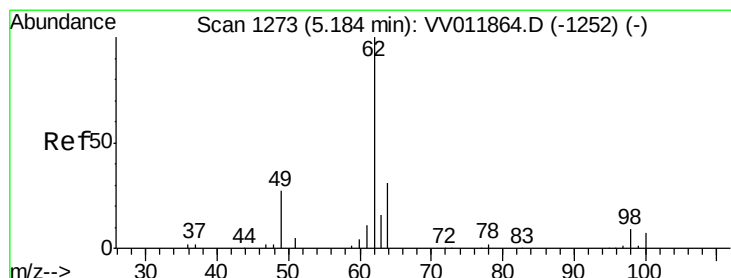
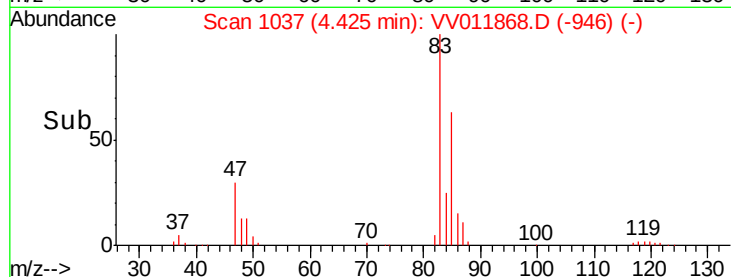
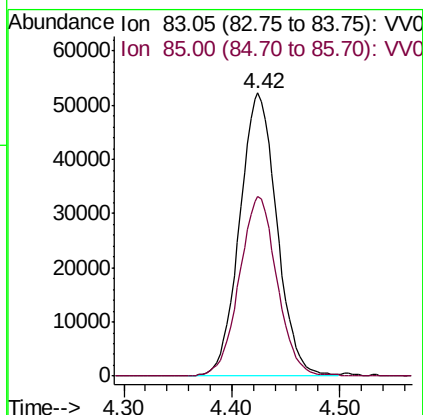
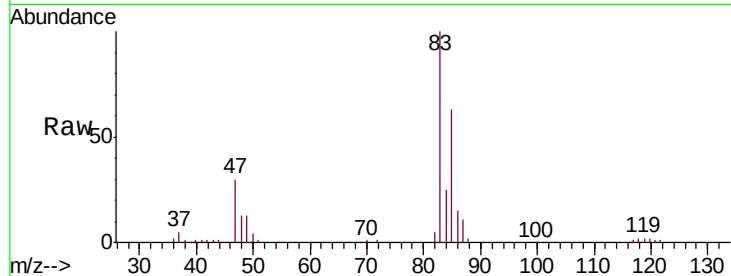




#25
Chloroform
Concen: 4.412 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.01 min
Lab File: VV011868.D
Acq: 12 Jul 2019 15:18

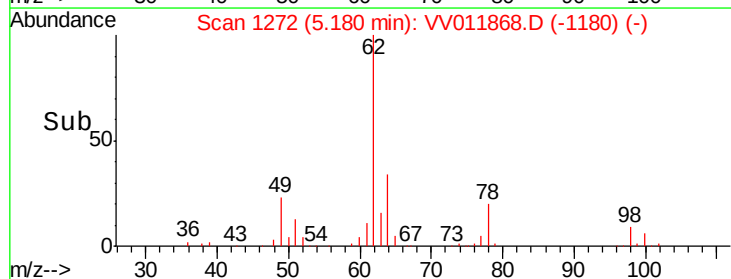
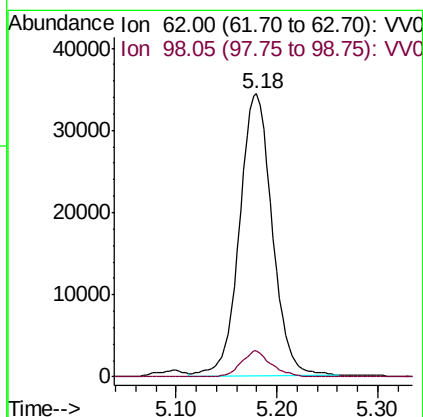
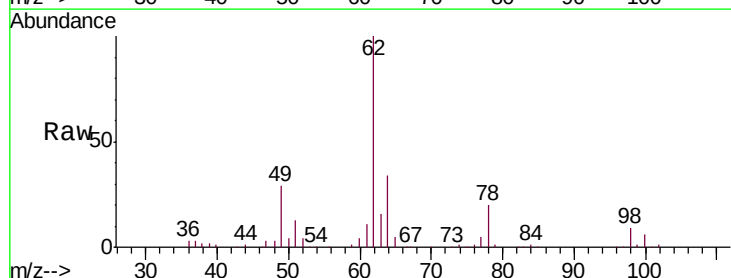
Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

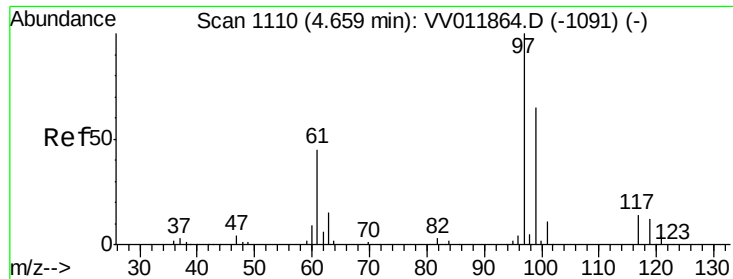
Tgt Ion: 83 Resp: 125206
Ion Ratio Lower Upper
83 100
85 63.5 43.8 81.4



#27
1,2-Dichloroethane
Concen: 4.714 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV011868.D
Acq: 12 Jul 2019 15:18

Tgt Ion: 62 Resp: 76990
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3

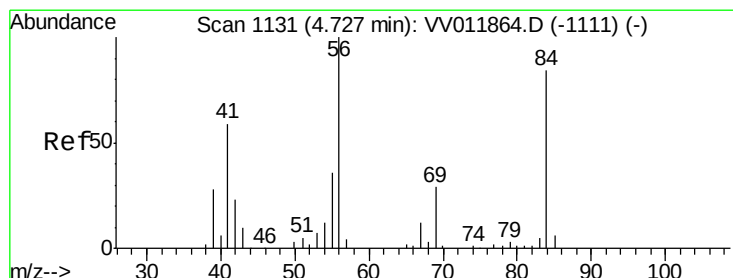
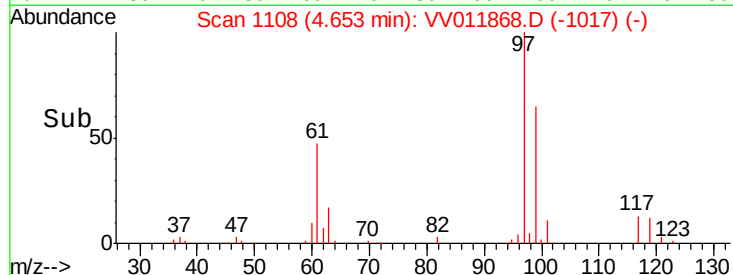
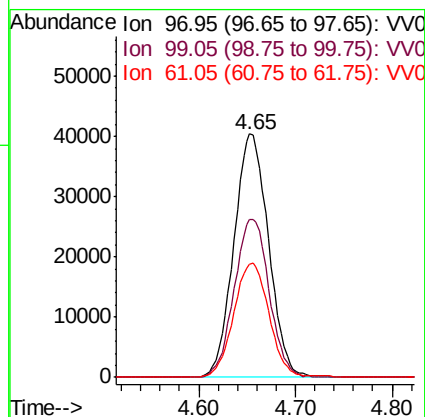
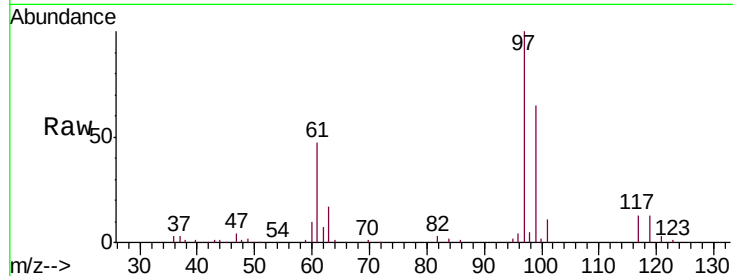




#29
 1,1,1-Trichloroethane
 Concen: 4.316 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.01 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

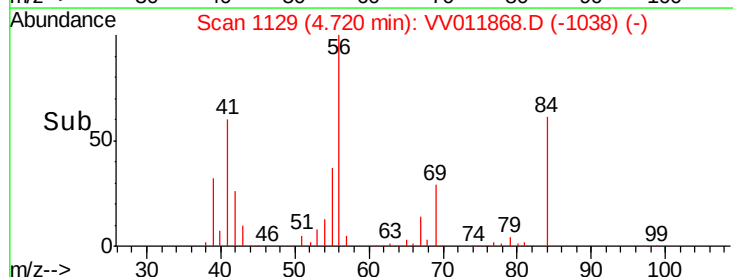
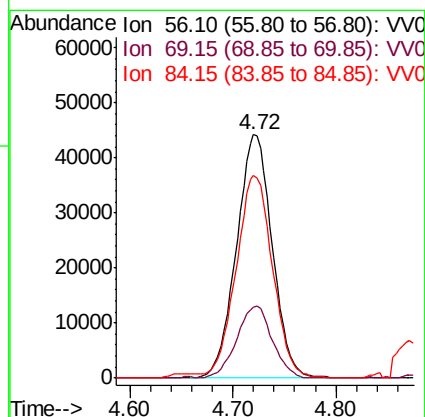
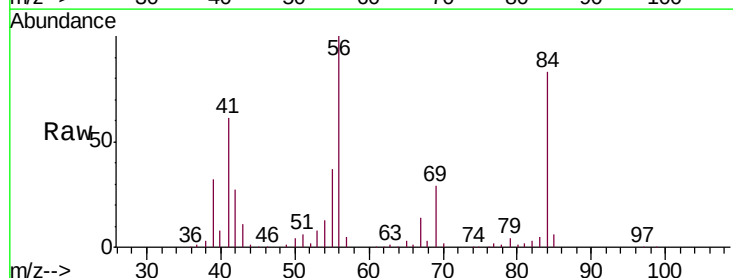
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00558

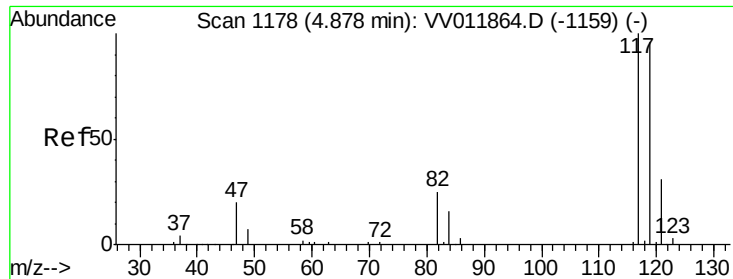
Tgt Ion: 97 Resp: 100616
 Ion Ratio Lower Upper
 97 100
 99 65.4 51.3 76.9
 61 47.8 35.8 53.8



#30
 Cyclohexane
 Concen: 4.459 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion: 56 Resp: 106710
 Ion Ratio Lower Upper
 56 100
 69 29.4 24.2 36.4
 84 85.1 69.6 104.4





#31

Carbon tetrachloride

Concen: 4.463 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

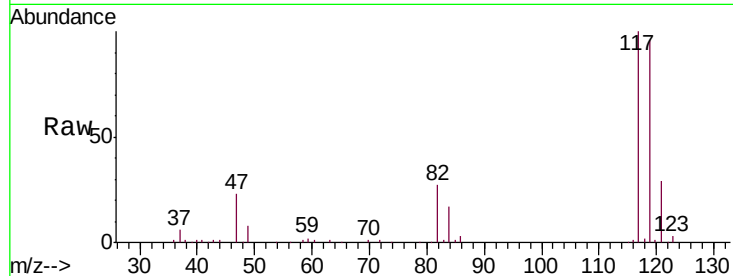
VSTD00558

Tgt Ion:117 Resp: 88950

Ion Ratio Lower Upper

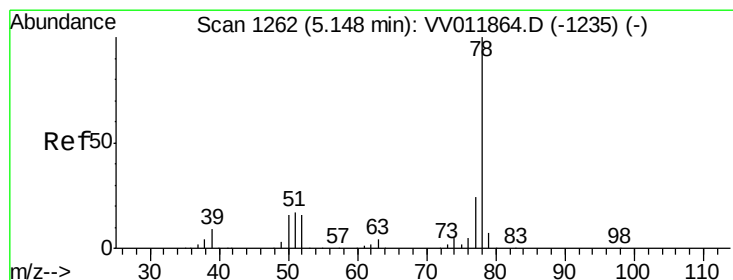
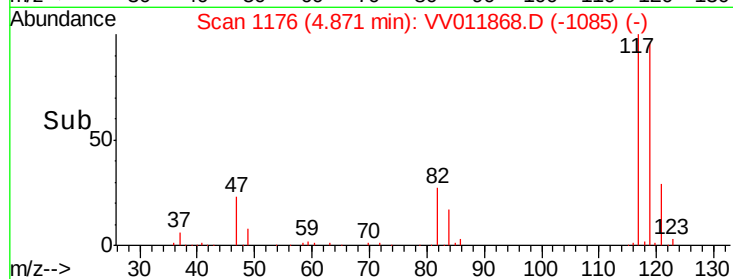
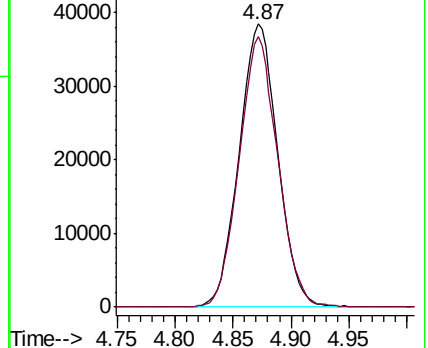
117 100

119 95.5 77.7 116.5



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.515 ug/L

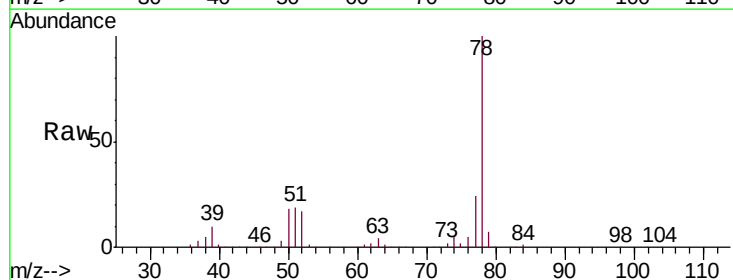
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

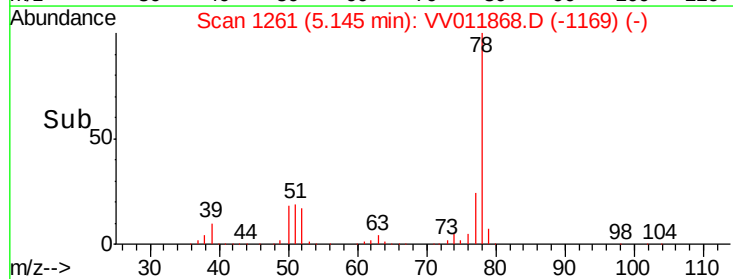
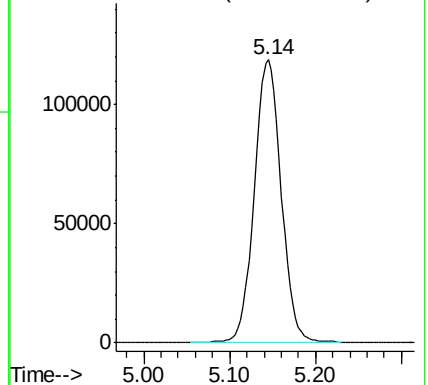
Lab File: VV011868.D

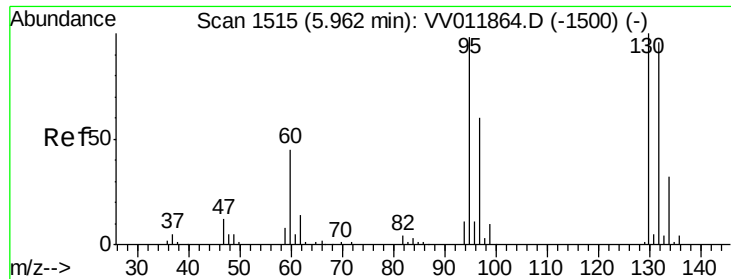
Acq: 12 Jul 2019 15:18

Tgt Ion: 78 Resp: 259958



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.461 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

Tgt Ion: 95 Resp: 73270

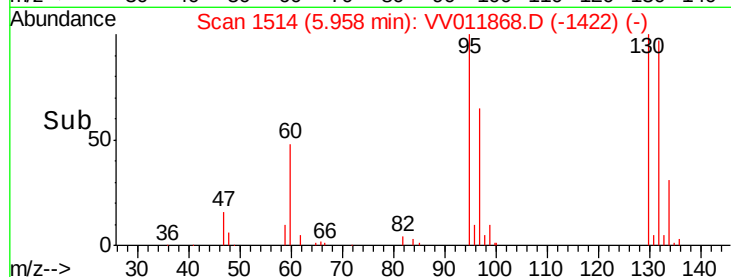
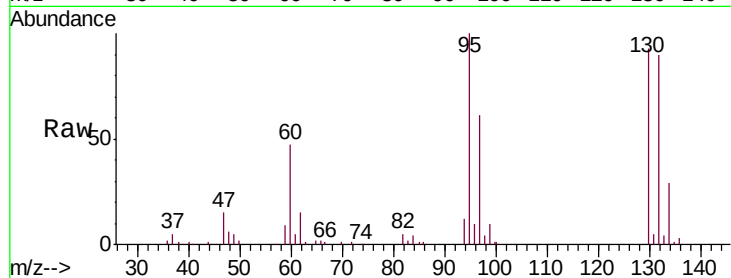
Ion Ratio Lower Upper

95 100

97 60.7 43.2 80.2

132 90.0 68.8 127.8

130 93.0 71.7 133.1

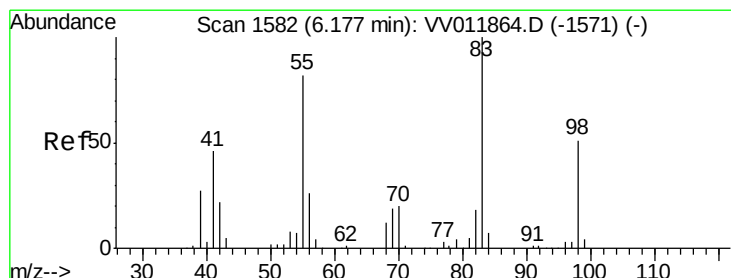
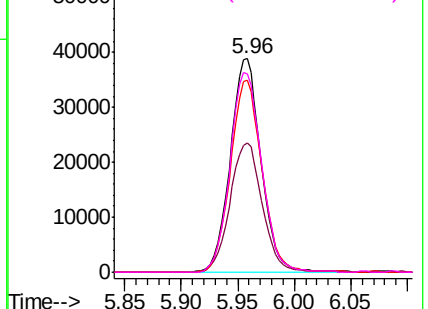


Abundance Ion 95.00 (94.70 to 95.70): VV011868.D (-1422) (-)

Ion 96.95 (96.65 to 97.65): VV011868.D (-1422) (-)

Ion 131.95 (131.65 to 132.65): VV011868.D (-1422) (-)

Ion 129.95 (129.65 to 130.65): VV011868.D (-1422) (-)



#35

Methylcyclohexane

Concen: 4.636 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

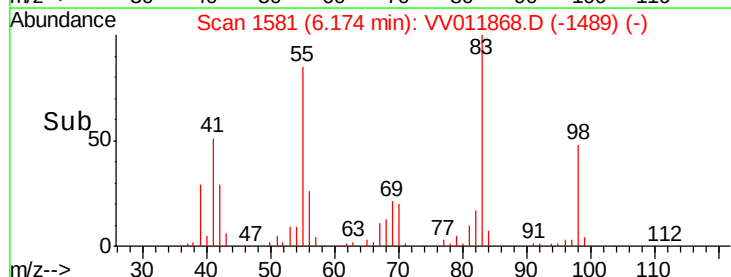
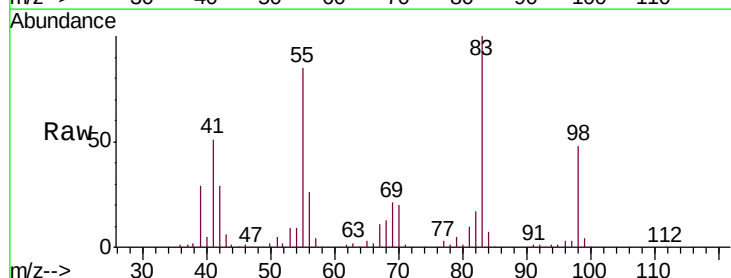
Tgt Ion: 83 Resp: 111803

Ion Ratio Lower Upper

83 100

55 82.2 63.6 95.4

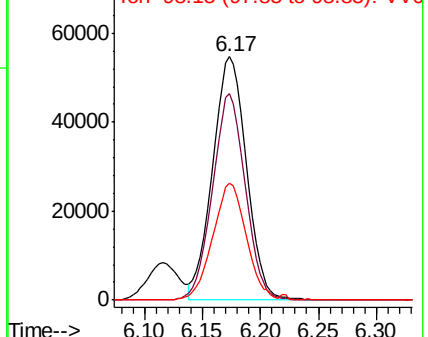
98 47.4 39.1 58.7

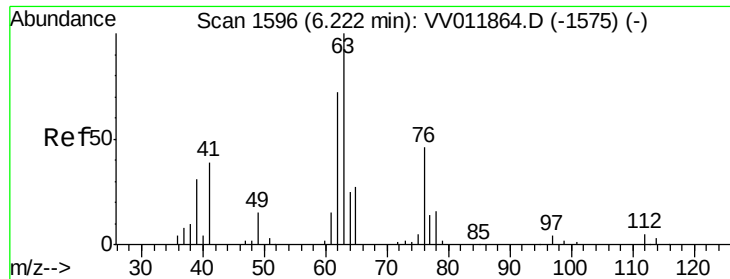


Abundance Ion 83.15 (82.85 to 83.85): VV011868.D (-1489) (-)

Ion 55.10 (54.80 to 55.80): VV011868.D (-1489) (-)

Ion 98.15 (97.85 to 98.85): VV011868.D (-1489) (-)

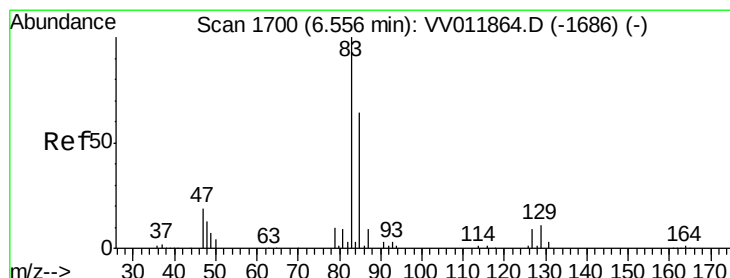
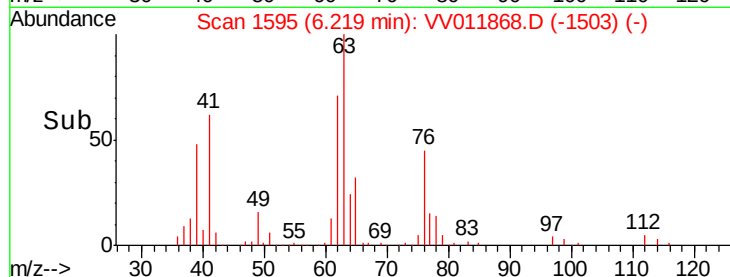
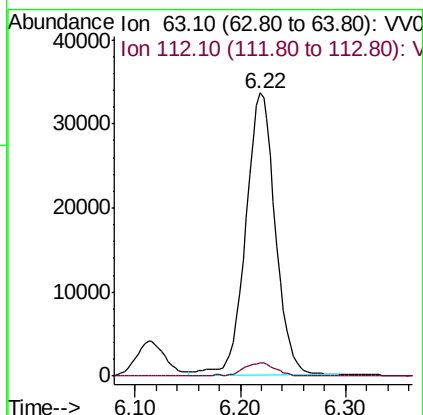
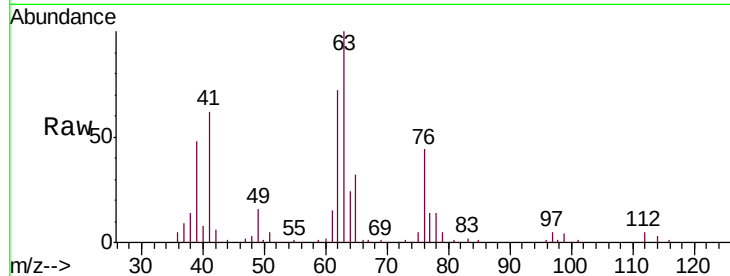




#37
 1,2-Dichloropropane
 Concen: 4.563 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

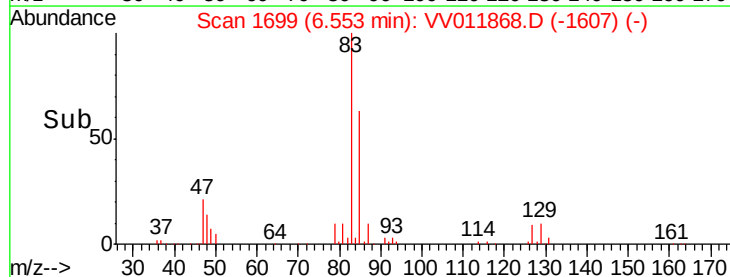
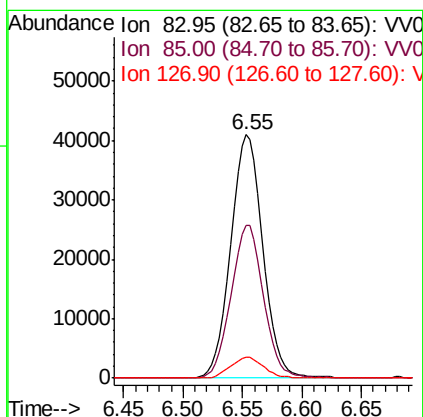
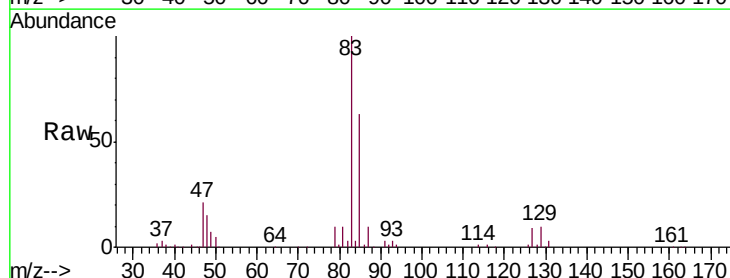
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

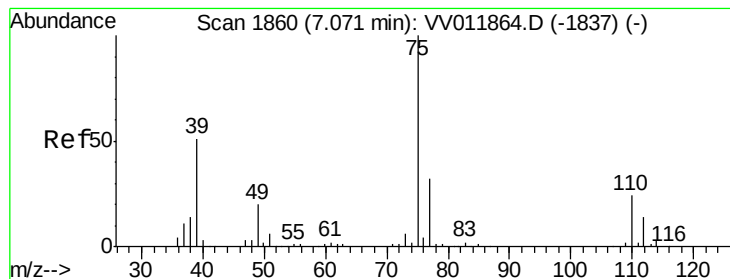
Tgt Ion: 63 Resp: 65763
 Ion Ratio Lower Upper
 63 100
 112 4.9 4.2 6.2



#38
 Bromodichloromethane
 Concen: 4.403 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion: 83 Resp: 76780
 Ion Ratio Lower Upper
 83 100
 85 63.0 44.5 82.7
 127 8.8 7.4 11.0





#39

cis-1,3-Dichloropropene

Concen: 4.470 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

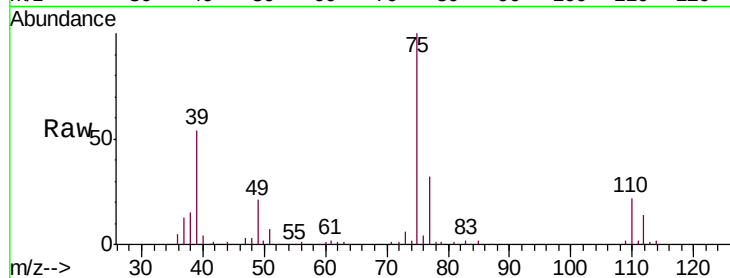
VSTD00558

Tgt Ion: 75 Resp: 88265

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

50000

40000

30000

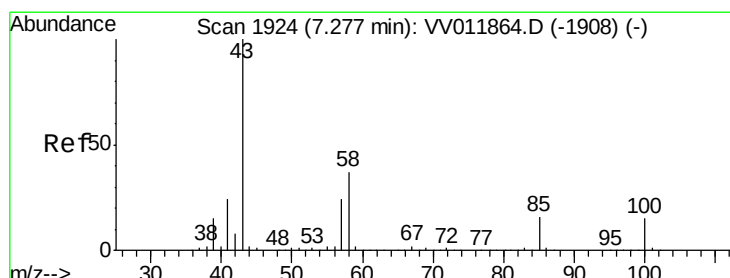
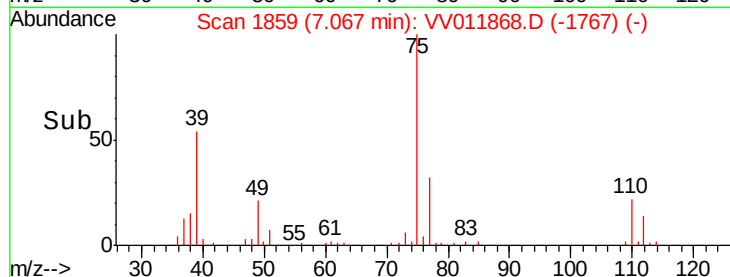
20000

10000

0

7.00 7.10

Time-->



#40

4-Methyl-2-pentanone

Concen: 46.818 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

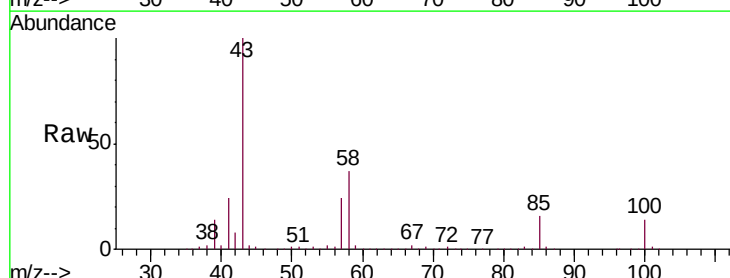
Tgt Ion: 43 Resp: 401095

Ion Ratio Lower Upper

43 100

58 37.0 29.1 43.7

100 14.0 11.2 16.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.27

300000

250000

200000

150000

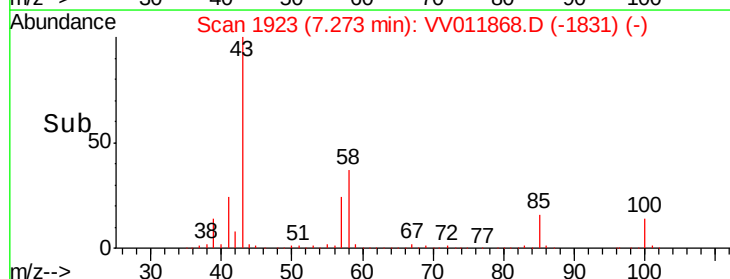
100000

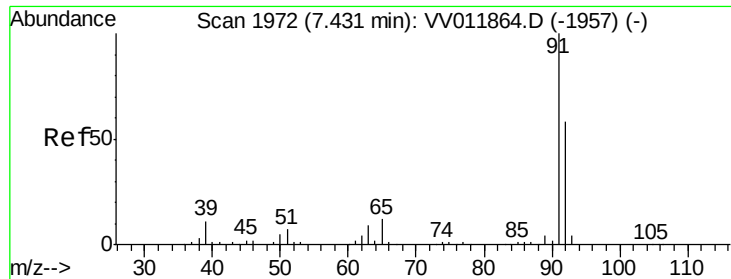
50000

0

7.20 7.25 7.30 7.35

Time-->





#42

Toluene

Concen: 4.637 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

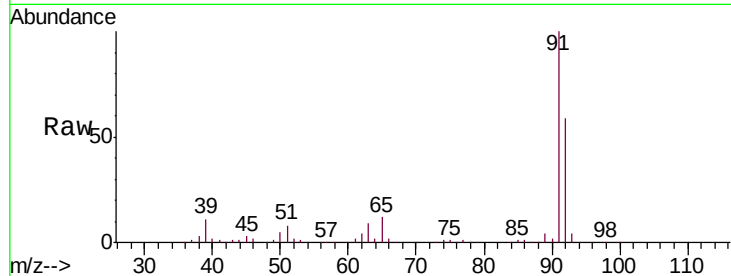
VSTD00558

Tgt Ion: 91 Resp: 280271

Ion Ratio Lower Upper

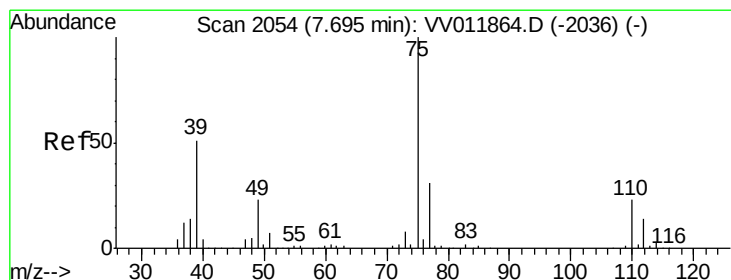
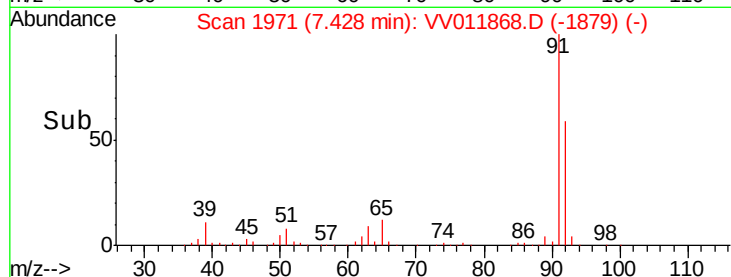
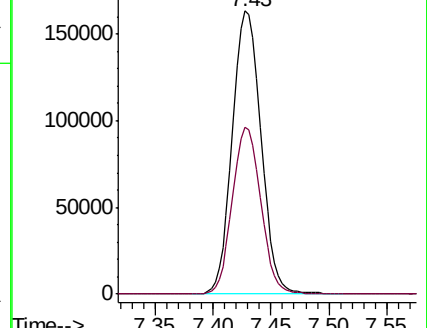
91 100

92 58.9 40.8 75.8



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: 4.481 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV011868.D

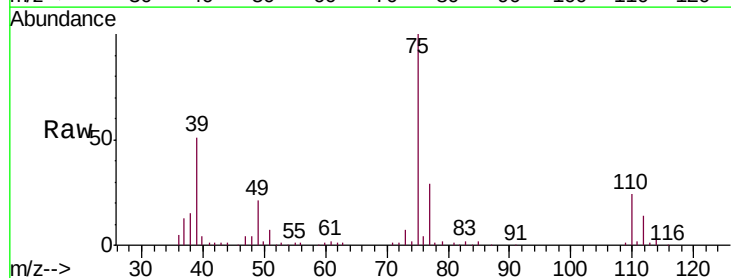
Acq: 12 Jul 2019 15:18

Tgt Ion: 75 Resp: 68569

Ion Ratio Lower Upper

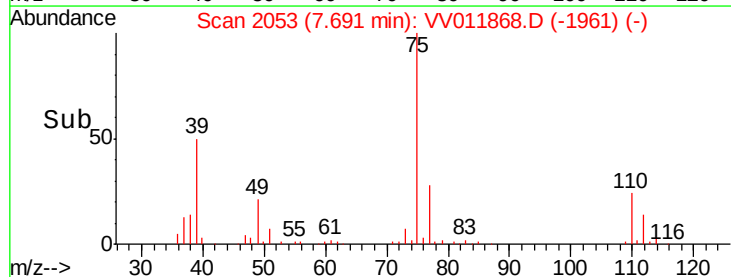
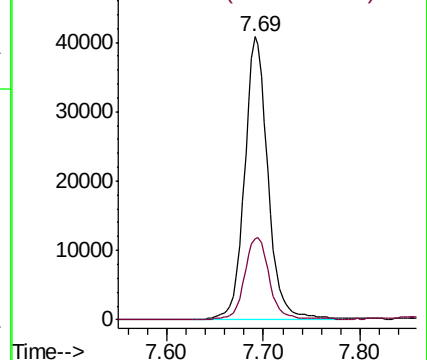
75 100

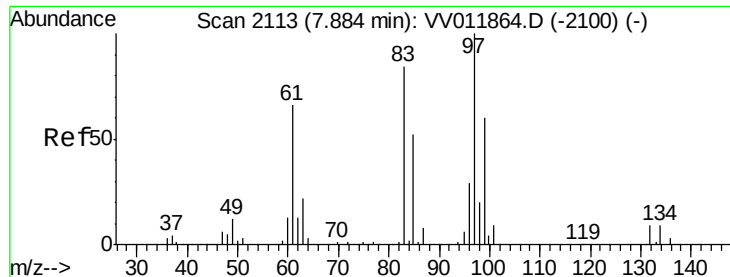
77 28.6 21.6 40.0



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

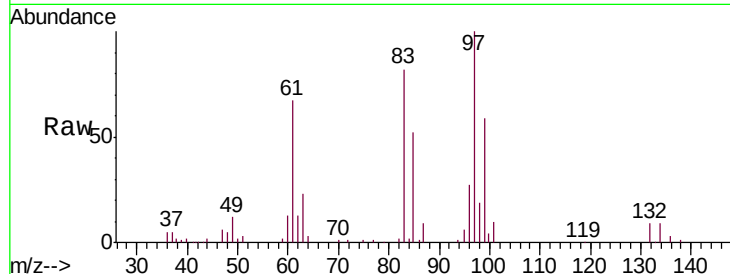




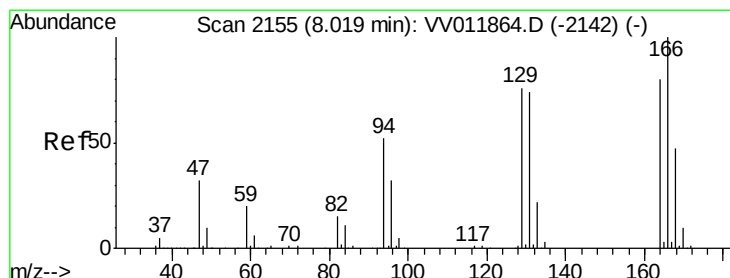
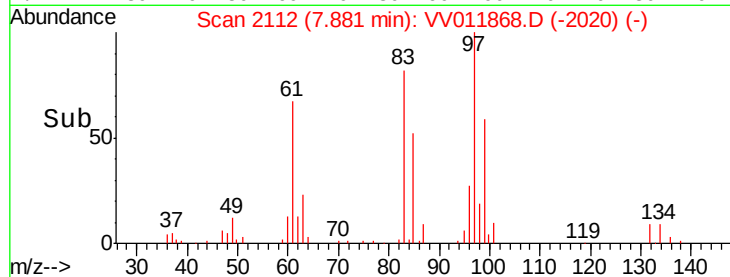
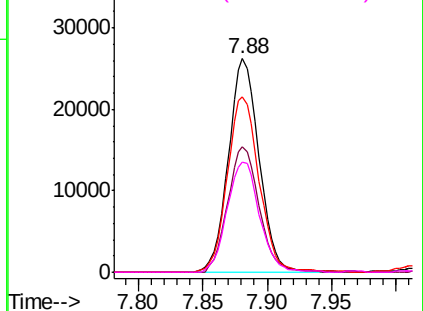
#45
 1,1,2-Trichloroethane
 Concen: 4.497 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion:	97	Resp:	43394
Ion	Ratio	Lower	Upper
97	100		
99	58.8	42.2	78.4
83	82.4	58.4	108.6
85	51.7	36.3	67.5

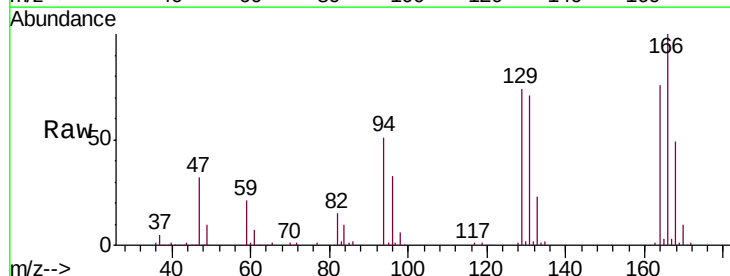


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

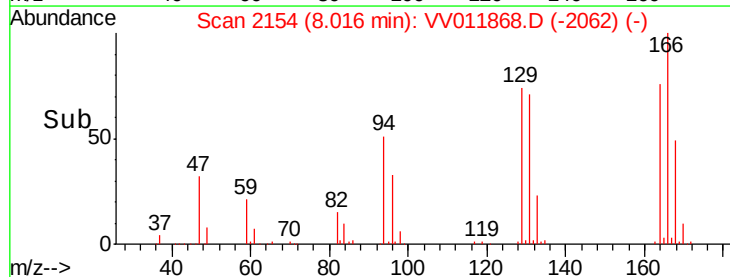
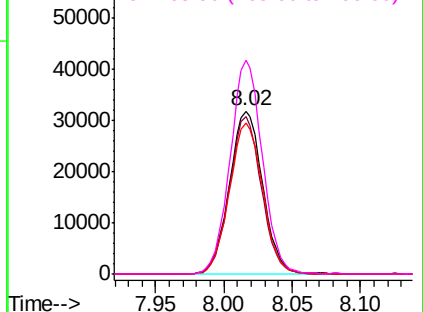


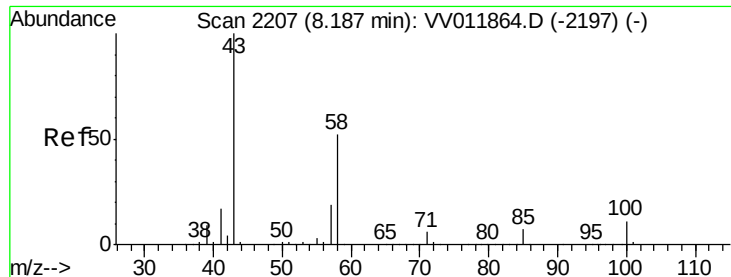
#47
 Tetrachloroethene
 Concen: 4.437 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion:	164	Resp:	53682
Ion	Ratio	Lower	Upper
164	100		
129	96.9	66.1	122.8
131	92.7	64.8	120.4
166	131.1	87.3	162.1



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

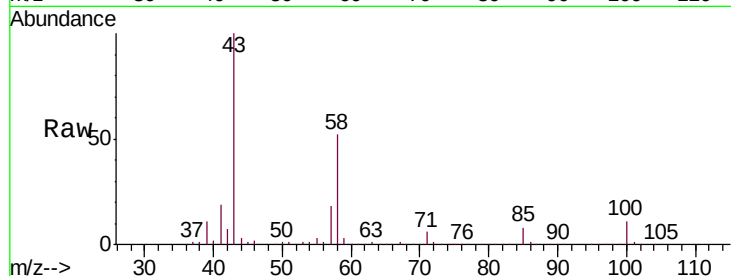




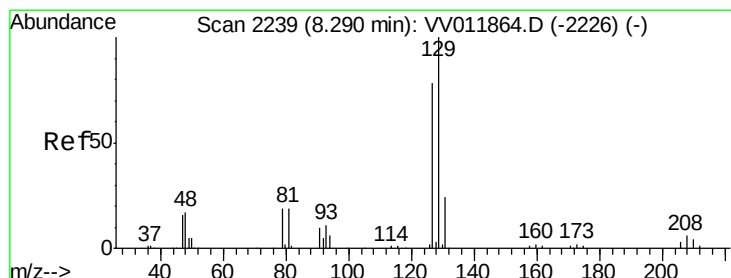
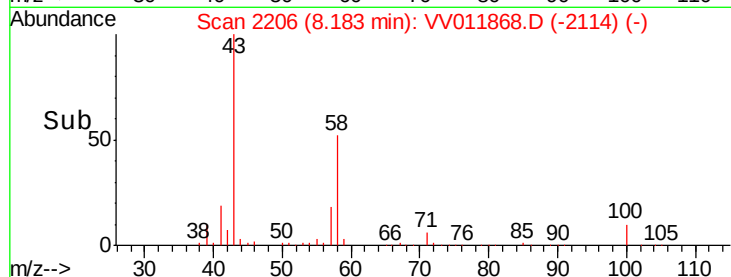
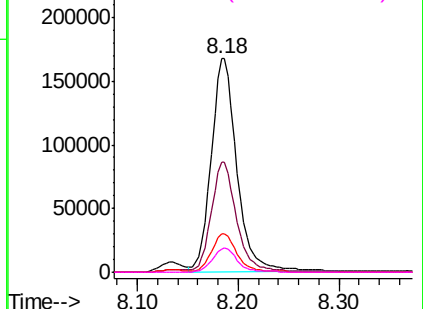
#48
2-Hexanone
Concen: 47.886 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV011868.D
Acq: 12 Jul 2019 15:18

Instrument :
MSVOA_V
ClientSampleId :
VSTD00558

Tgt Ion: 43 Resp: 294689
Ion Ratio Lower Upper
43 100
58 50.5 40.6 61.0
57 17.9 14.4 21.6
100 10.9 8.8 13.2

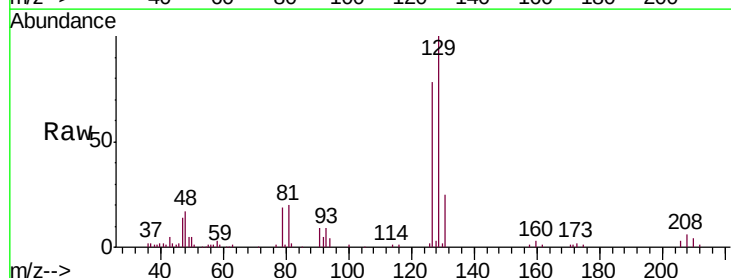


Abundance Ion 43.05 (42.75 to 43.75): VV011868.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV011868.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV011868.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV011868.D (-2114) (-)

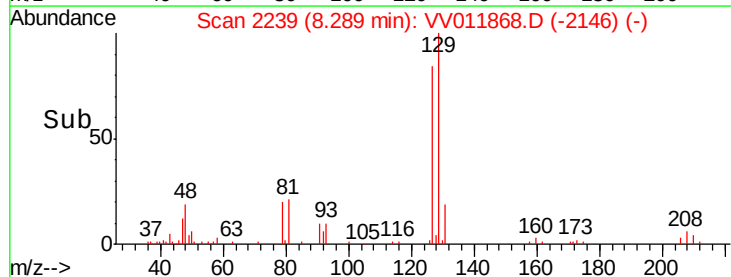
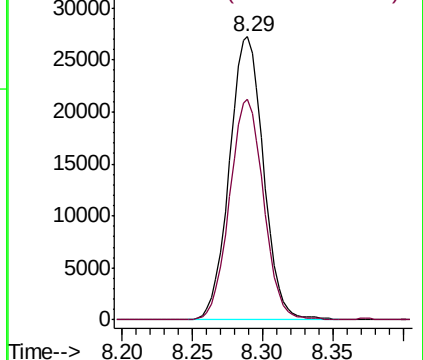


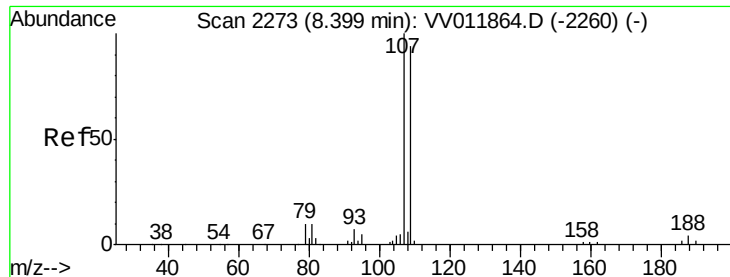
#49
Dibromochloromethane
Concen: 4.346 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV011868.D
Acq: 12 Jul 2019 15:18

Tgt Ion: 129 Resp: 46117
Ion Ratio Lower Upper
129 100
127 78.1 54.7 101.7



Abundance Ion 128.95 (128.65 to 129.65): VV011868.D (-2146) (-)
Ion 126.90 (126.60 to 127.60): VV011868.D (-2146) (-)

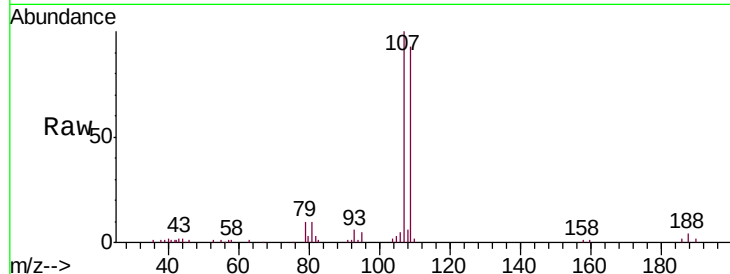




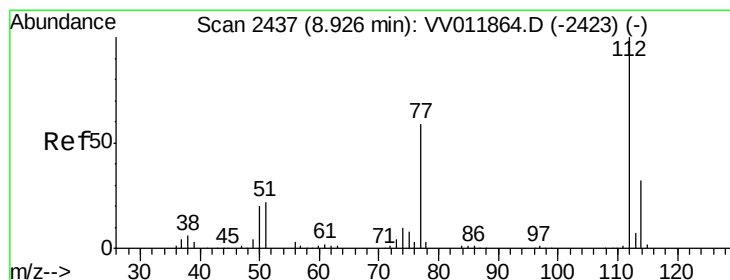
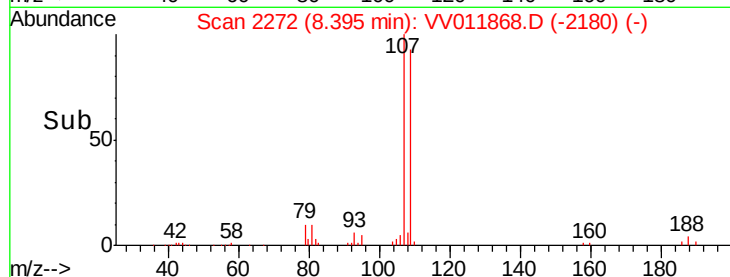
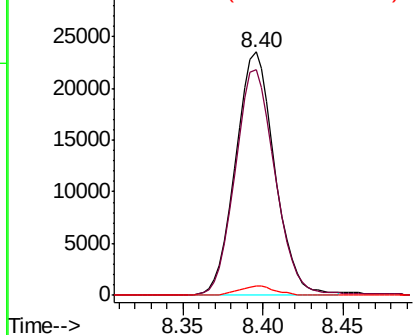
#50
 1,2-Dibromoethane
 Concen: 4.396 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

Tgt Ion:107 Resp: 39156
 Ion Ratio Lower Upper
 107 100
 109 92.8 65.7 122.1
 188 4.1 3.0 4.6

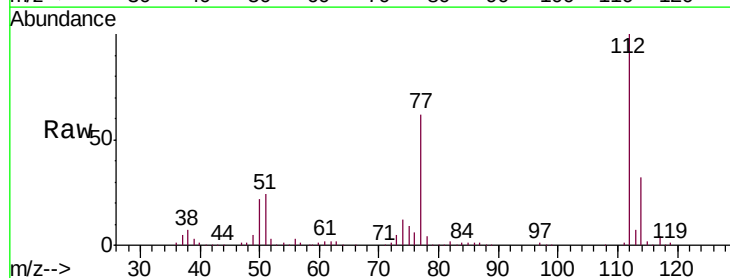


Abundance Ion 106.95 (106.65 to 107.65): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 187.90 (187.60 to 188.60): V

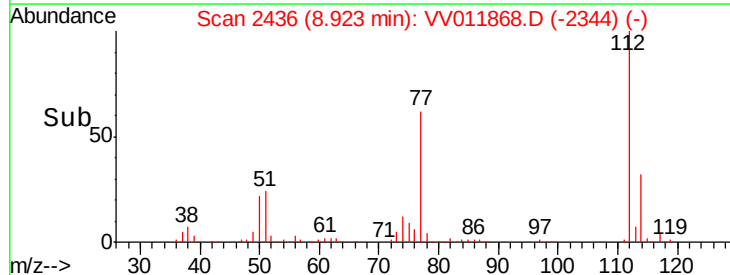
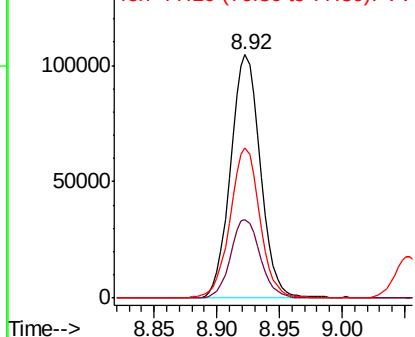


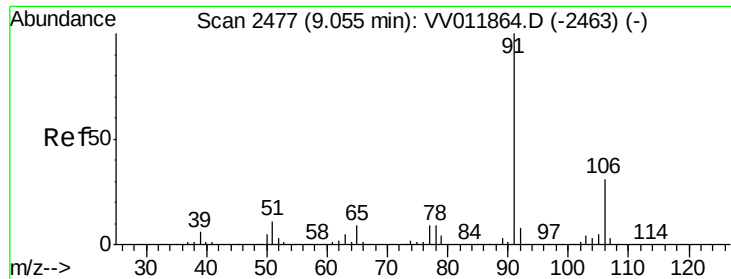
#51
 Chlorobenzene
 Concen: 4.420 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion:112 Resp: 172814
 Ion Ratio Lower Upper
 112 100
 114 32.5 22.1 41.1
 77 61.8 47.4 71.0



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): V





#52

Ethylbenzene

Concen: 4.544 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

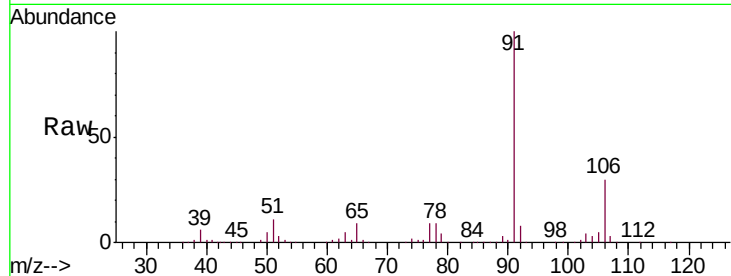
VSTD00558

Tgt Ion: 91 Resp: 303450

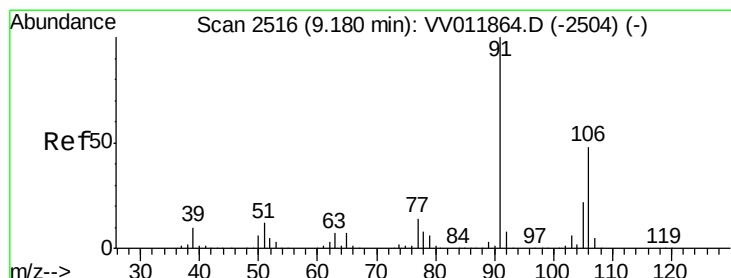
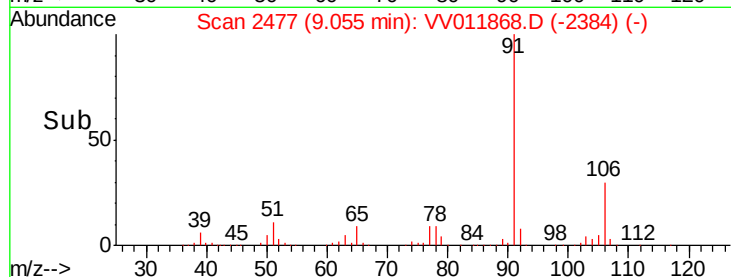
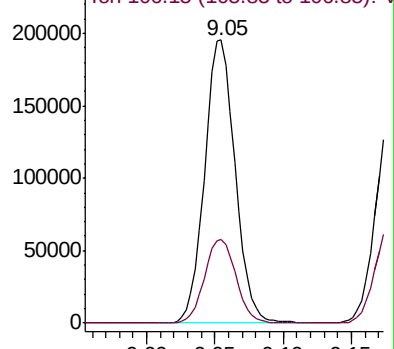
Ion Ratio Lower Upper

91 100

106 29.7 21.6 40.2



Abundance Ion 91.15 (90.85 to 91.85): VV011868.D (-2463) (-)



#53

m,p-xylene

Concen: 4.759 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV011868.D

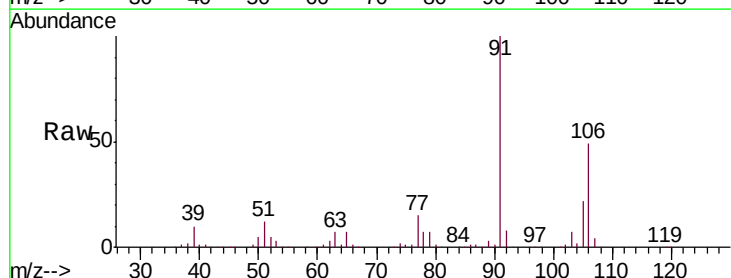
Acq: 12 Jul 2019 15:18

Tgt Ion: 106 Resp: 117297

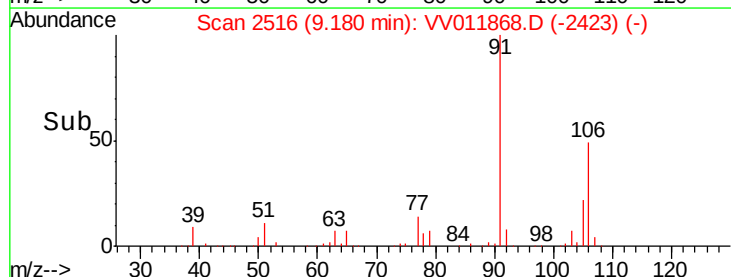
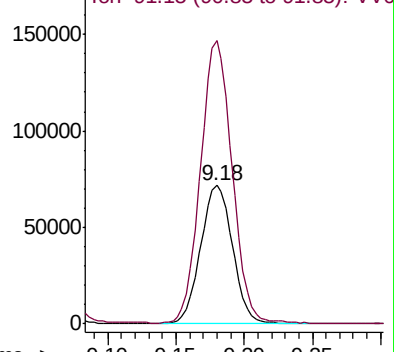
Ion Ratio Lower Upper

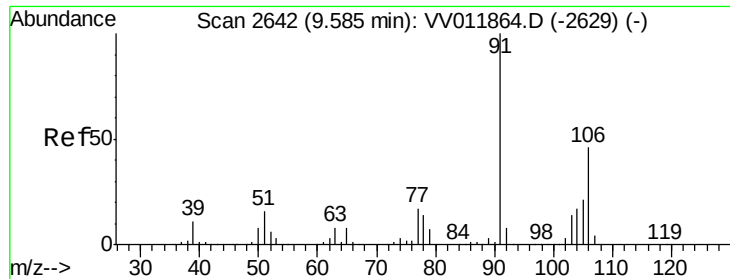
106 100

91 204.4 145.0 269.2



Abundance Ion 106.15 (105.85 to 106.85): VV011868.D (-2504) (-)





#54

o-xylene

Concen: 4.705 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

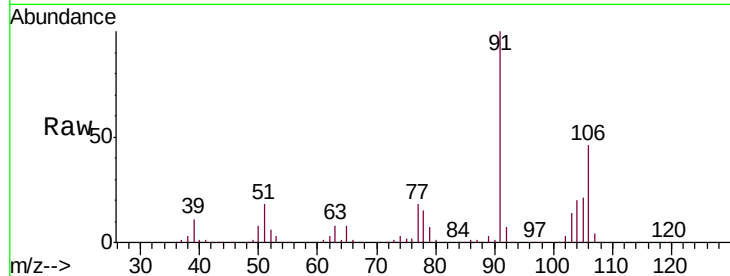
VSTD00558

Tgt Ion:106 Resp: 110550

Ion Ratio Lower Upper

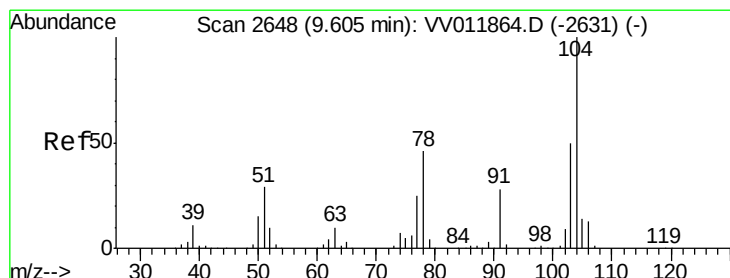
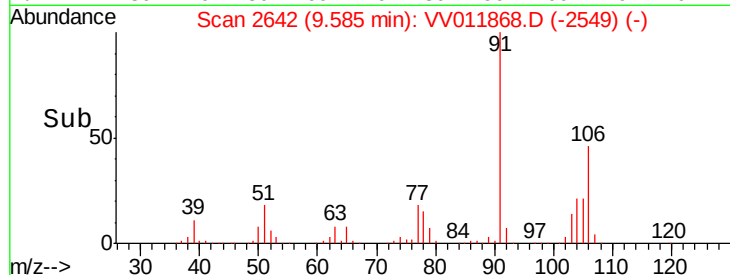
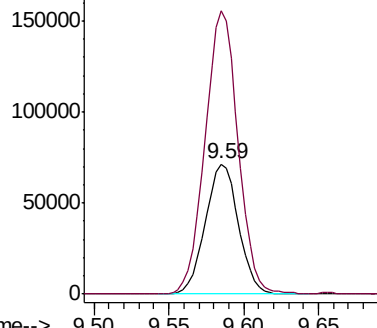
106 100

91 217.8 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.690 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. -0.00 min

Lab File: VV011868.D

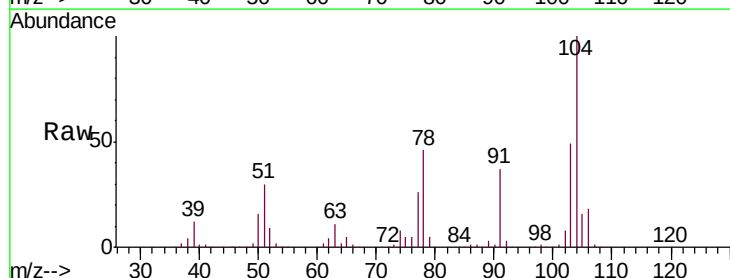
Acq: 12 Jul 2019 15:18

Tgt Ion:104 Resp: 185888

Ion Ratio Lower Upper

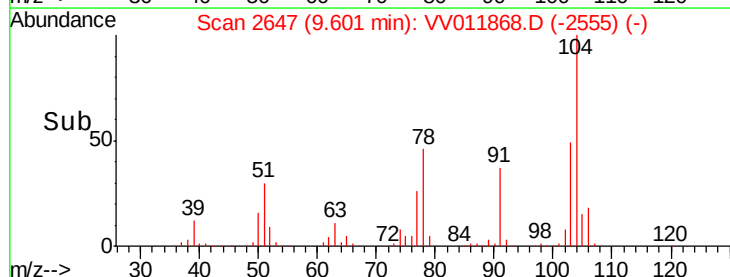
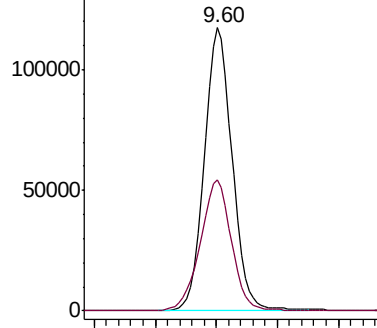
104 100

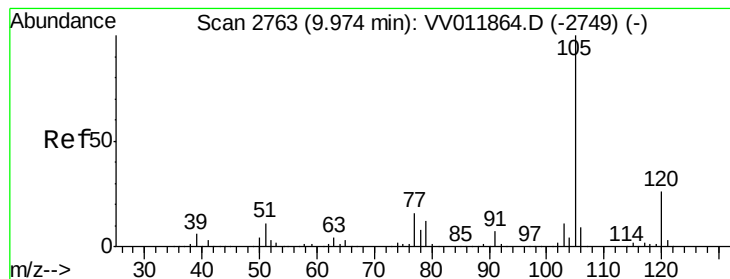
78 46.3 32.1 59.7



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.628 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampled :

VSTD00558

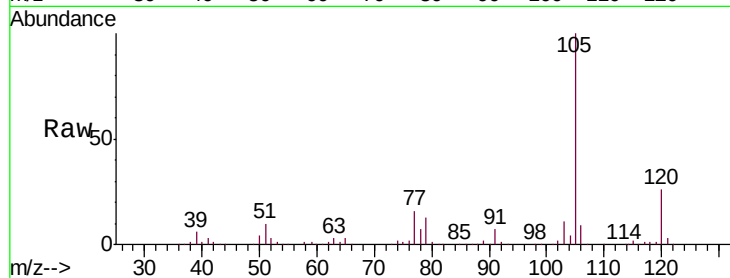
Tgt Ion: 105 Resp: 296747

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

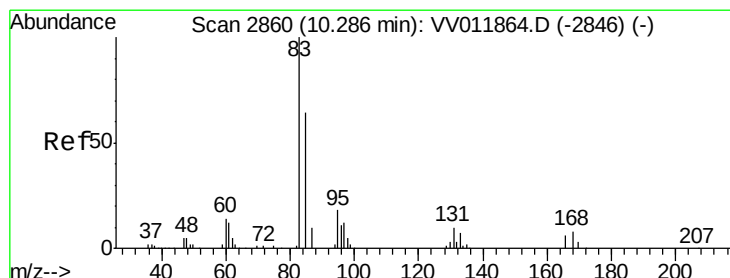
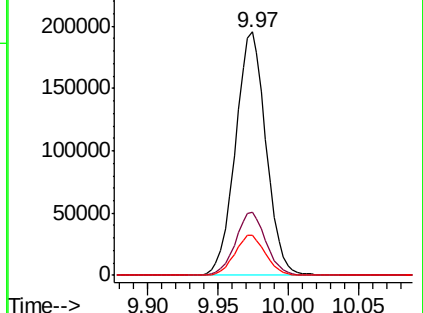
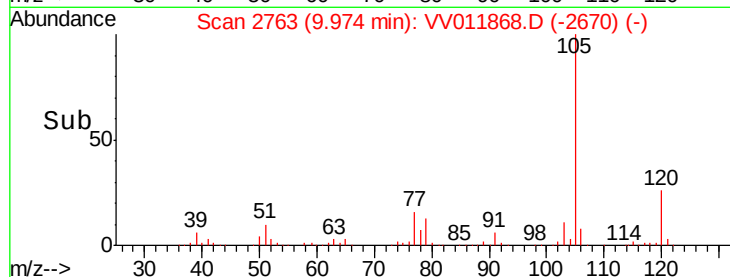
77 16.7 13.2 19.8



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: 4.394 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

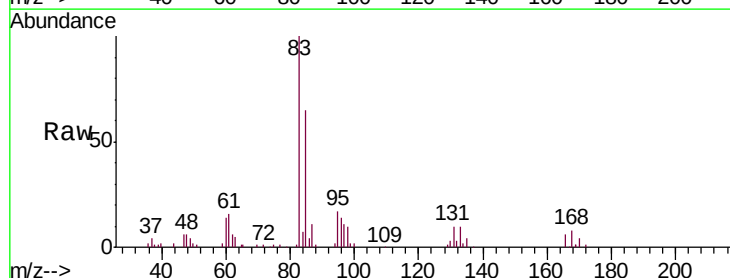
Tgt Ion: 83 Resp: 41789

Ion Ratio Lower Upper

83 100

85 65.3 45.0 83.6

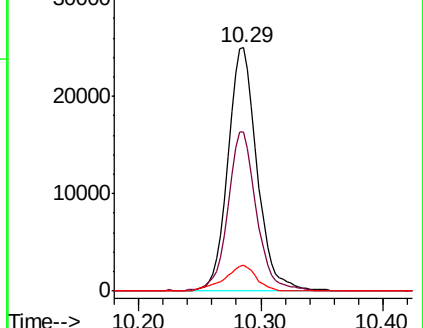
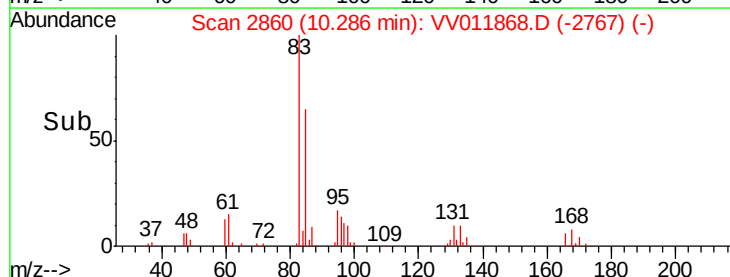
131 10.5 8.3 12.5

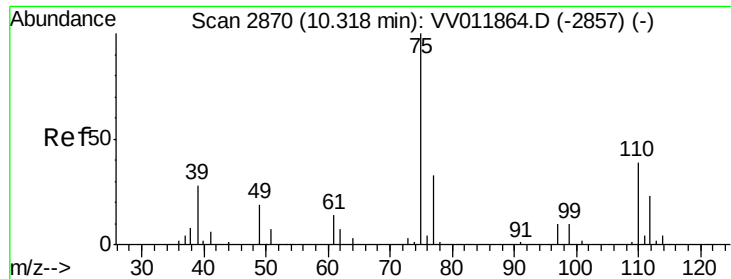


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V

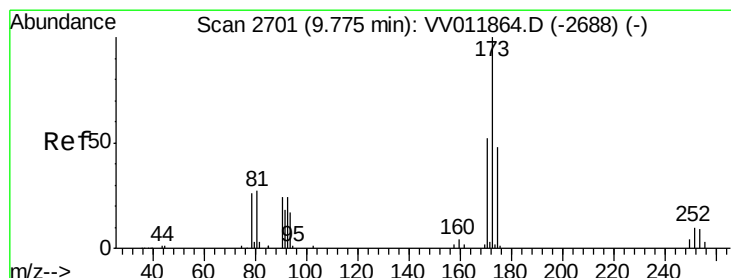
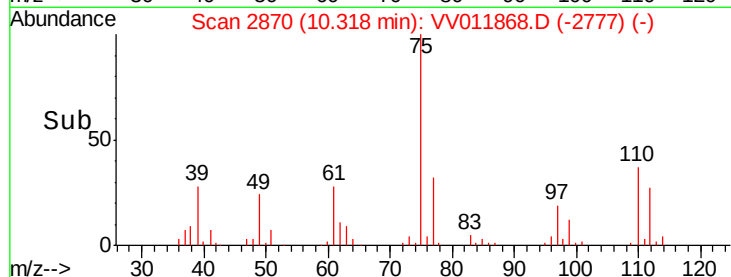
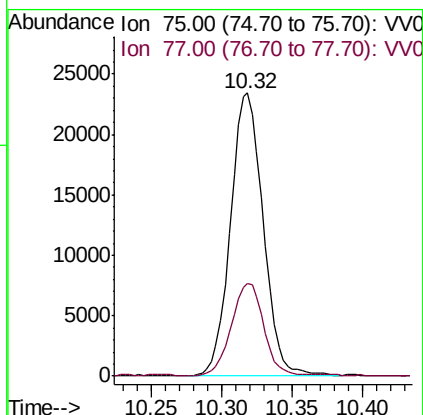
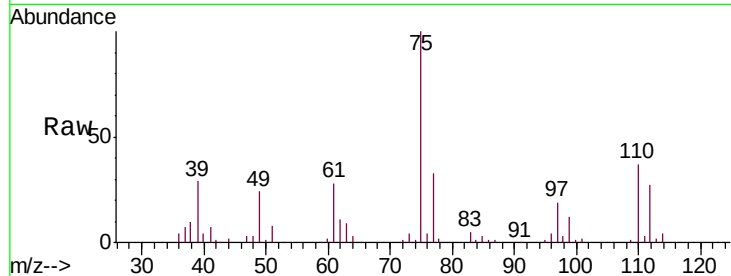




#59
 1,2,3-Trichloropropane
 Concen: 4.446 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

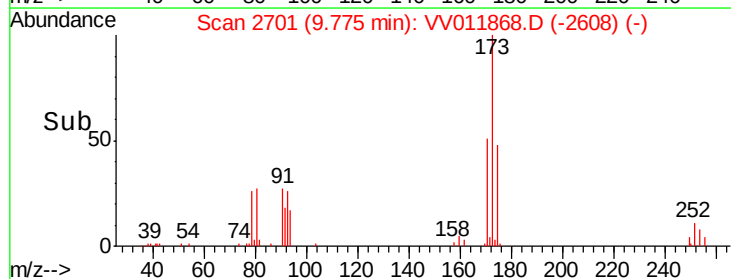
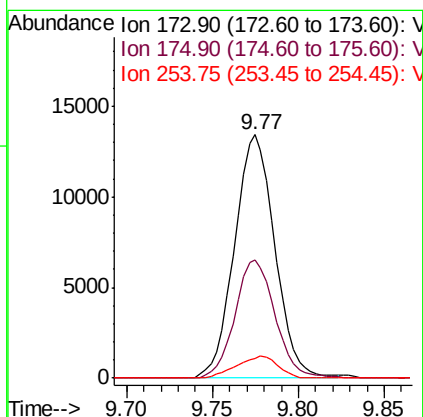
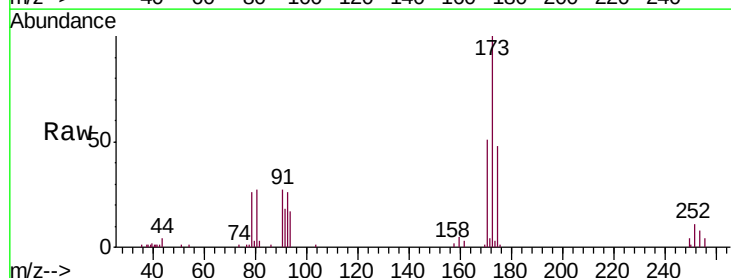
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

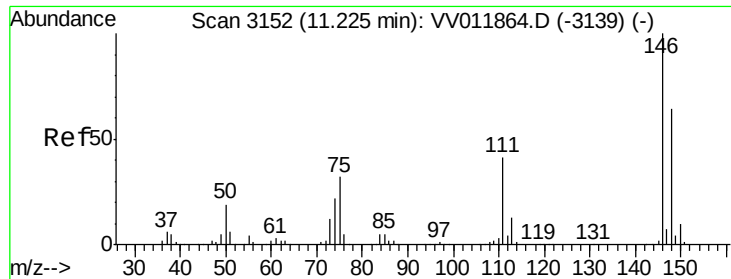
Tgt Ion: 75 Resp: 38094
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.8 38.6



#61
 Bromoform
 Concen: 4.437 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion: 173 Resp: 21800
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.4 59.0
 254 9.1 7.4 11.0

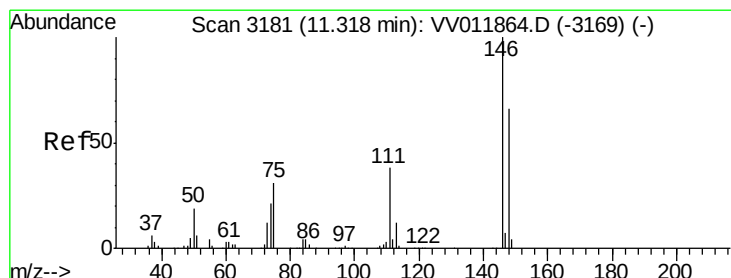
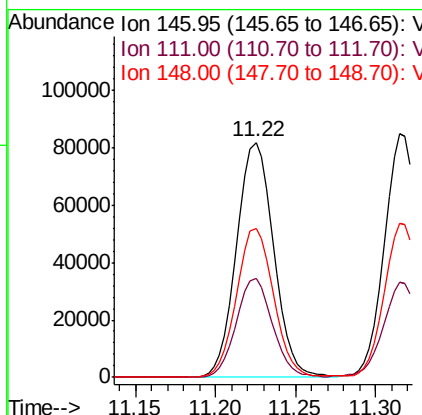
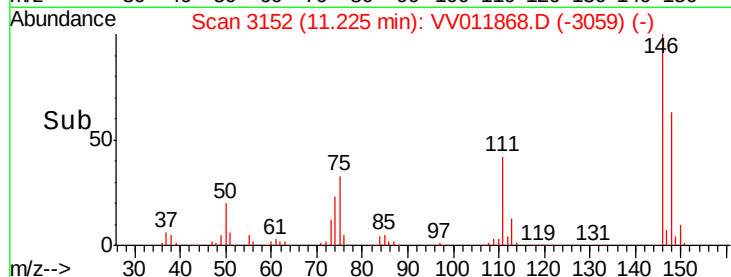
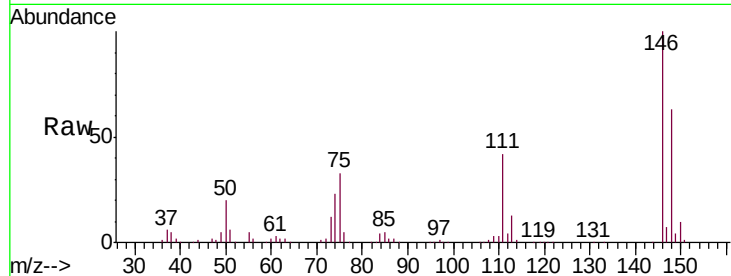




#62
 1,3-Dichlorobenzene
 Concen: 4.534 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

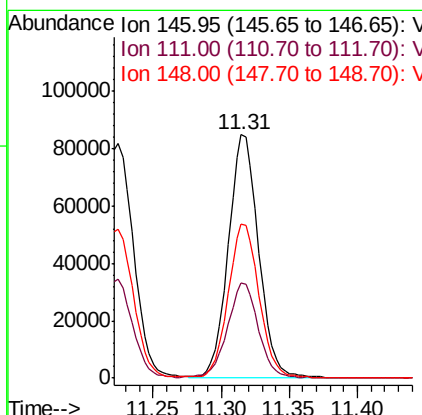
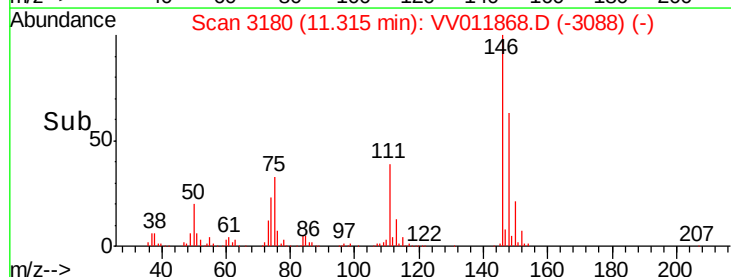
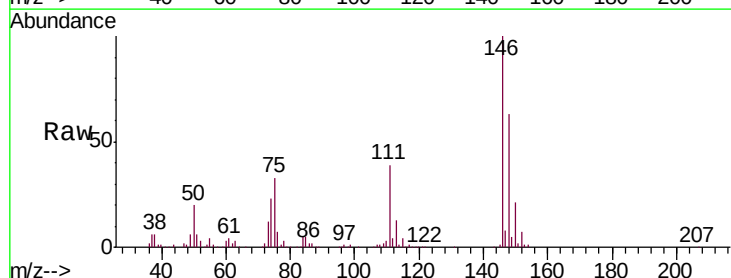
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

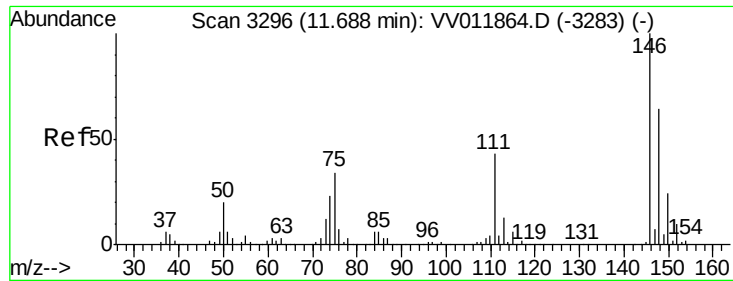
Tgt Ion:146 Resp: 129521
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.8 53.4
 148 63.4 44.6 82.8



#63
 1,4-Dichlorobenzene
 Concen: 4.398 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion:146 Resp: 130070
 Ion Ratio Lower Upper
 146 100
 111 39.0 26.6 49.4
 148 63.1 46.0 85.4

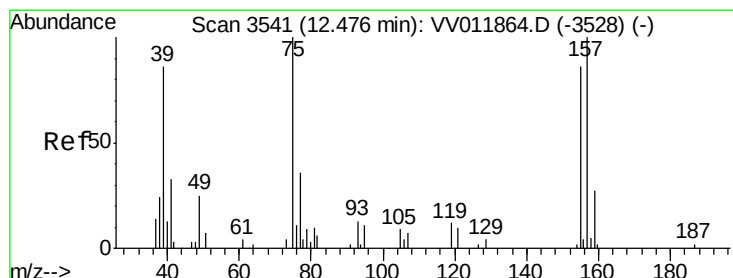
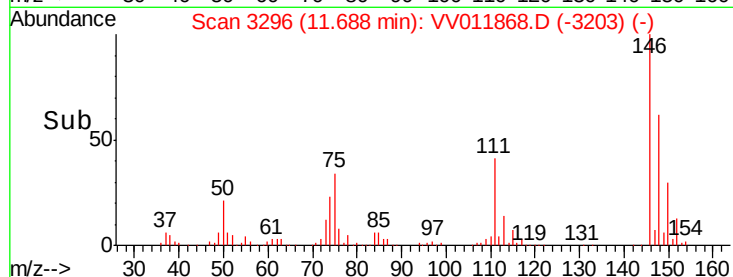
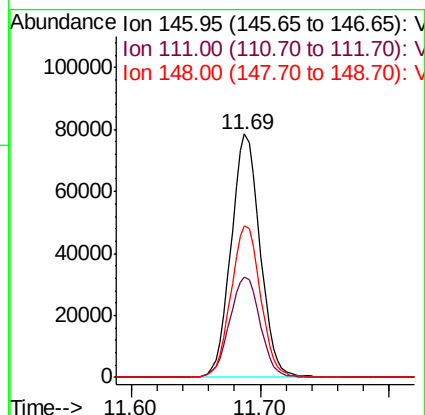
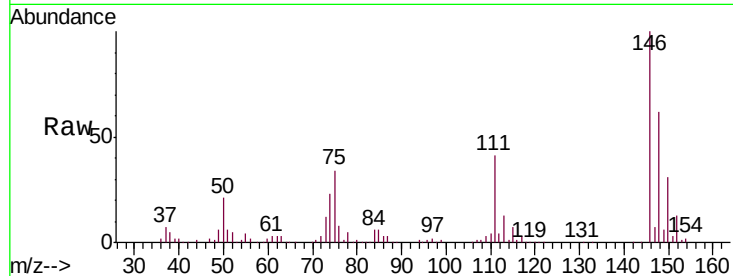




#65
 1,2-Dichlorobenzene
 Concen: 4.530 ug/L
 RT: 11.69 min Scan# 3296
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

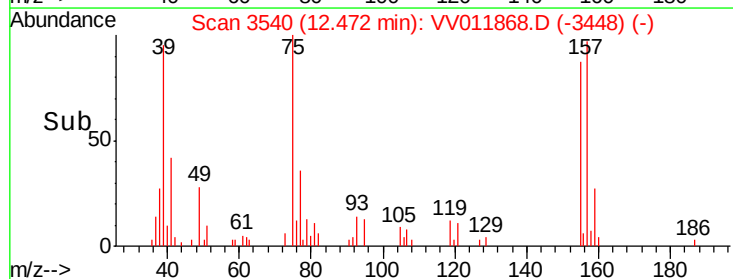
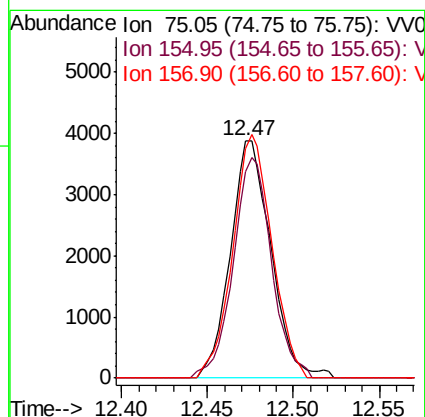
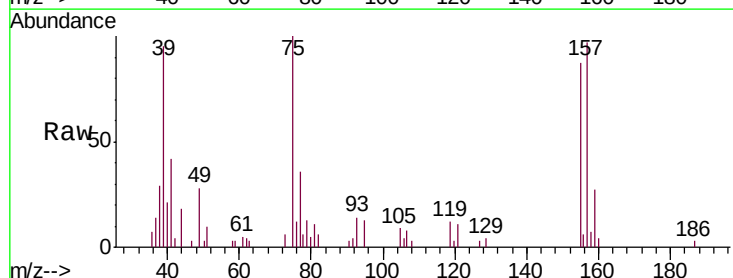
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

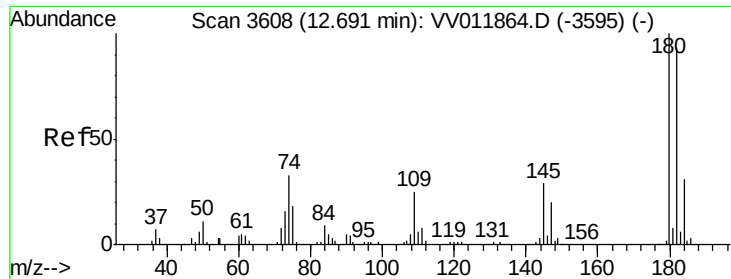
Tgt Ion: 146 Resp: 122452
 Ion Ratio Lower Upper
 146 100
 111 41.3 34.7 52.1
 148 62.3 51.4 77.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.847 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion: 75 Resp: 6394
 Ion Ratio Lower Upper
 75 100
 155 87.0 68.7 103.1
 157 96.7 80.2 120.2

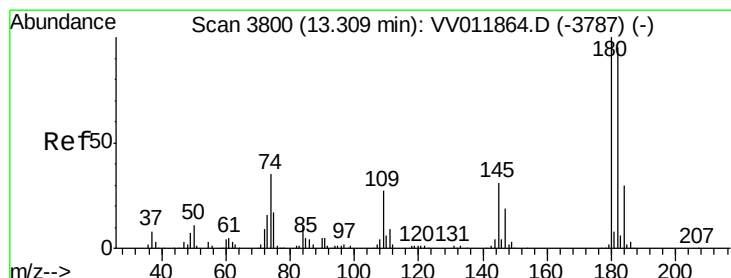
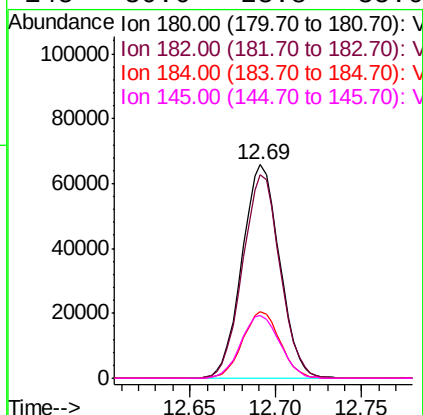
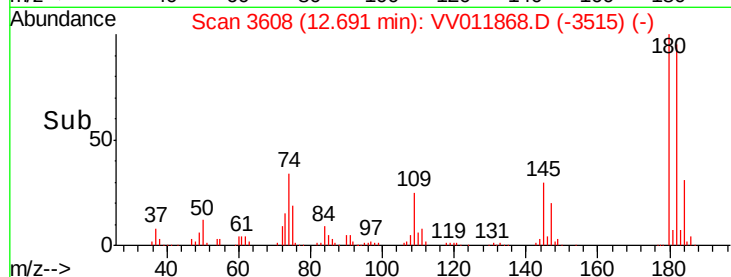
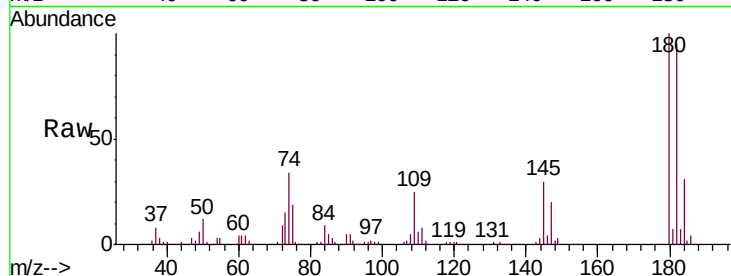




#67
 1,3,5-Trichlorobenzene
 Concen: 4.450 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

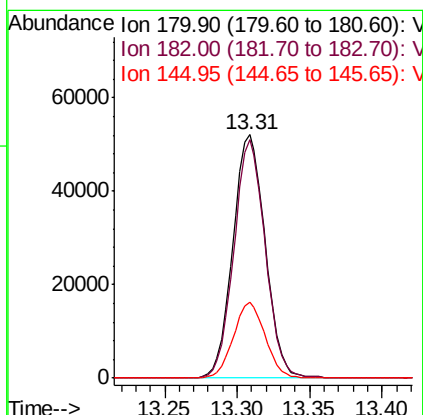
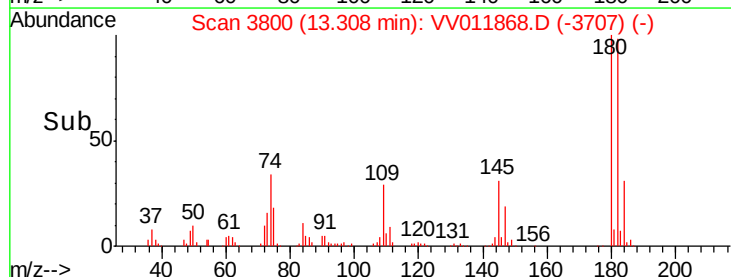
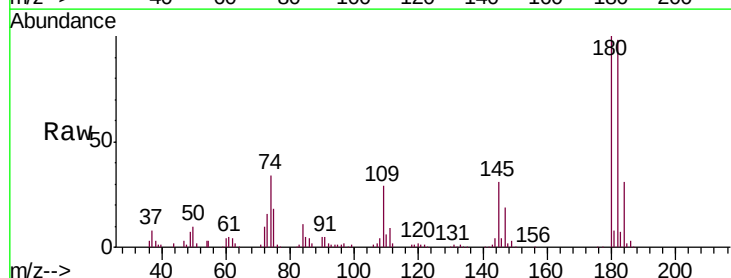
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00558

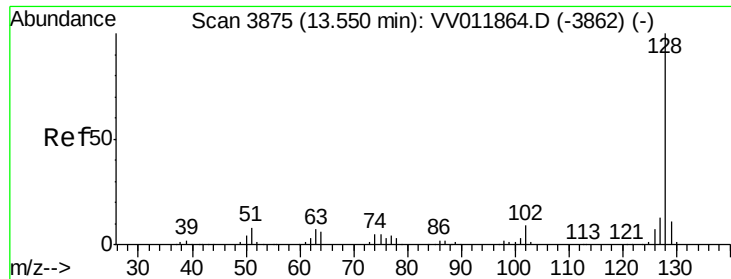
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.0	112.6
184	31.1	24.5	36.7
145	30.6	23.8	35.6



#68
 1,2,4-trichlorobenzene
 Concen: 4.528 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV011868.D
 Acq: 12 Jul 2019 15:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.9	113.9
145	30.6	24.5	36.7





#69

Naphthalene

Concen: 4.559 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD00558

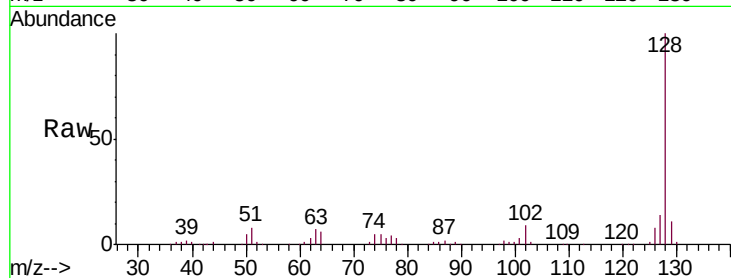
Tgt Ion:128 Resp: 119734

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

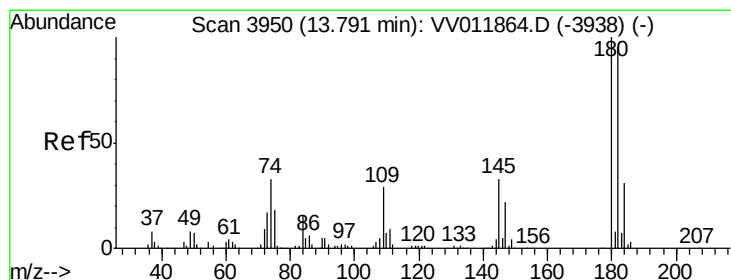
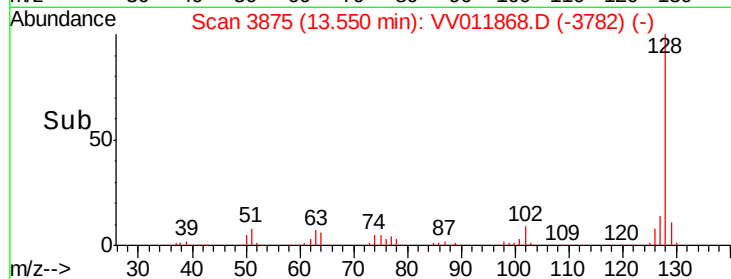
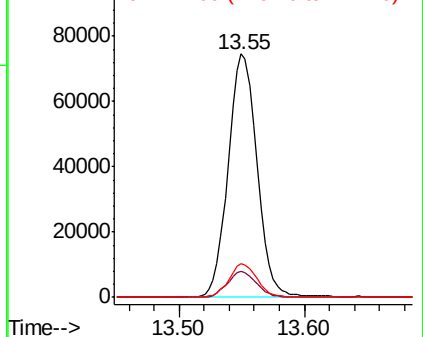
127 13.4 10.5 15.7



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: 4.658 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. -0.00 min

Lab File: VV011868.D

Acq: 12 Jul 2019 15:18

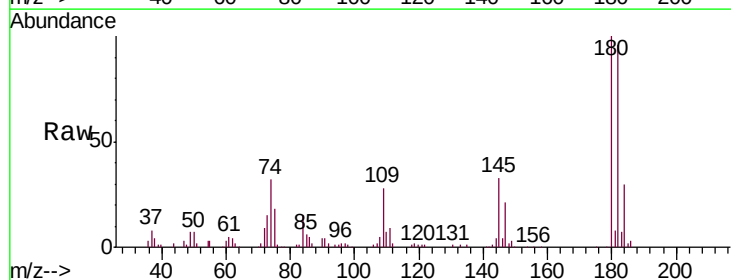
Tgt Ion:180 Resp: 75217

Ion Ratio Lower Upper

180 100

182 94.9 75.0 112.6

145 32.0 25.9 38.9



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

