

Data File : VV009480.D
Acq On : 04 Mar 2019 19:26
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Quant Time: Mar 05 04:13:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR030419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Mar 05 04:03:59 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	85129	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	82739	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	40995	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	30624	5.29	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.80%
7) Chloroethane-d5	1.58	69	29949	5.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	117.40%
11) 1,1-Dichloroethene-d2	2.13	63	74421	5.22	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	104.40%
20) 2-Butanone-d5	3.97	46	56609	55.81	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.62%
24) Chloroform-d	4.40	84	53983	5.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	106.60%
26) 1,2-Dichloroethane-d4	5.08	65	27363	5.48	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.60%
32) Benzene-d6	5.10	84	109600	5.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.00%
36) 1,2-Dichloropropane-d6	6.12	67	33482	5.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	111.80%
41) Toluene-d8	7.36	98	110546	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
43) trans-1,3-Dichloropropene-	7.67	79	12978	5.04	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	100.80%
46) 2-Hexanone-d5	8.14	63	46648	54.37	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	108.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	24890	5.43	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	108.60%
64) 1,2-Dichlorobenzene-d4	11.67	152	38712	5.26	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	25260	4.742 ug/L	95
3) Chloromethane	1.25	50	31453	5.307 ug/L	96
5) Vinyl chloride	1.32	62	33980	5.189 ug/L	98
6) Bromomethane	1.54	94	22256	5.287 ug/L	100
8) Chloroethane	1.60	64	26581	6.036 ug/L	96
9) Trichlorofluoromethane	1.77	101	69766	4.913 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	35840	5.012 ug/L	96
12) 1,1-Dichloroethene	2.14	96	31026	5.006 ug/L	85
13) Acetone	2.21	43	45592	51.338 ug/L #	49
14) Carbon disulfide	2.32	76	102111	5.054 ug/L	98
15) Methyl Acetate	2.47	43	12369	5.092 ug/L	94
16) Methylene chloride	2.54	84	33720	4.668 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	84111	5.378 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	35767	5.273 ug/L	95
19) 1,1-Dichloroethane	3.23	63	45953	4.716 ug/L	99
21) 2-Butanone	4.05	43	56435	51.248 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	31025	5.132 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	12392	5.192	ug/L	95
25) Chloroform	4.43	83	54399	5.277	ug/L	95
27) 1,2-Dichloroethane	5.18	62	31226	5.019	ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	48438	5.040	ug/L	99
30) Cyclohexane	4.72	56	46683	5.099	ug/L	98
31) Carbon tetrachloride	4.87	117	38916	4.975	ug/L	99
33) Benzene	5.15	78	116153	5.178	ug/L	100
34) Trichloroethene	5.96	95	32701	5.152	ug/L	98
35) Methylcyclohexane	6.17	83	47079	4.646	ug/L	94
37) 1,2-Dichloropropane	6.22	63	27905	5.109	ug/L	100
38) Bromodichloromethane	6.56	83	38372	5.004	ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	43169	5.039	ug/L	93
40) 4-Methyl-2-pentanone	7.28	43	156558	52.678	ug/L	97
42) Toluene	7.43	91	132914	5.175	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	34845	5.133	ug/L	95
45) 1,1,2-Trichloroethane	7.89	97	20298	5.248	ug/L	97
47) Tetrachloroethene	8.02	164	25481	5.217	ug/L	95
48) 2-Hexanone	8.19	43	110145	53.672	ug/L	97
49) Dibromochloromethane	8.29	129	24921	4.990	ug/L	97
50) 1,2-Dibromoethane	8.40	107	19447	5.163	ug/L #	92
51) Chlorobenzene	8.93	112	86005	5.069	ug/L	98
52) Ethylbenzene	9.06	91	153783	5.212	ug/L	98
53) m,p-xylene	9.18	106	59764	5.329	ug/L	95
54) o-xylene	9.59	106	56386	5.104	ug/L	100
55) Styrene	9.60	104	94743	5.293	ug/L	99
56) Isopropylbenzene	9.98	105	155244	5.177	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	25044	5.257	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	17511	5.228	ug/L	99
61) Bromoform	9.78	173	12050	4.740	ug/L	96
62) 1,3-Dichlorobenzene	11.23	146	68526	5.197	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	67027	5.052	ug/L	96
65) 1,2-Dichlorobenzene	11.69	146	62098	5.059	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3993	5.086	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	48783	5.002	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	38484	5.015	ug/L	100
69) Naphthalene	13.55	128	60951	4.754	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	34957	5.047	ug/L	97

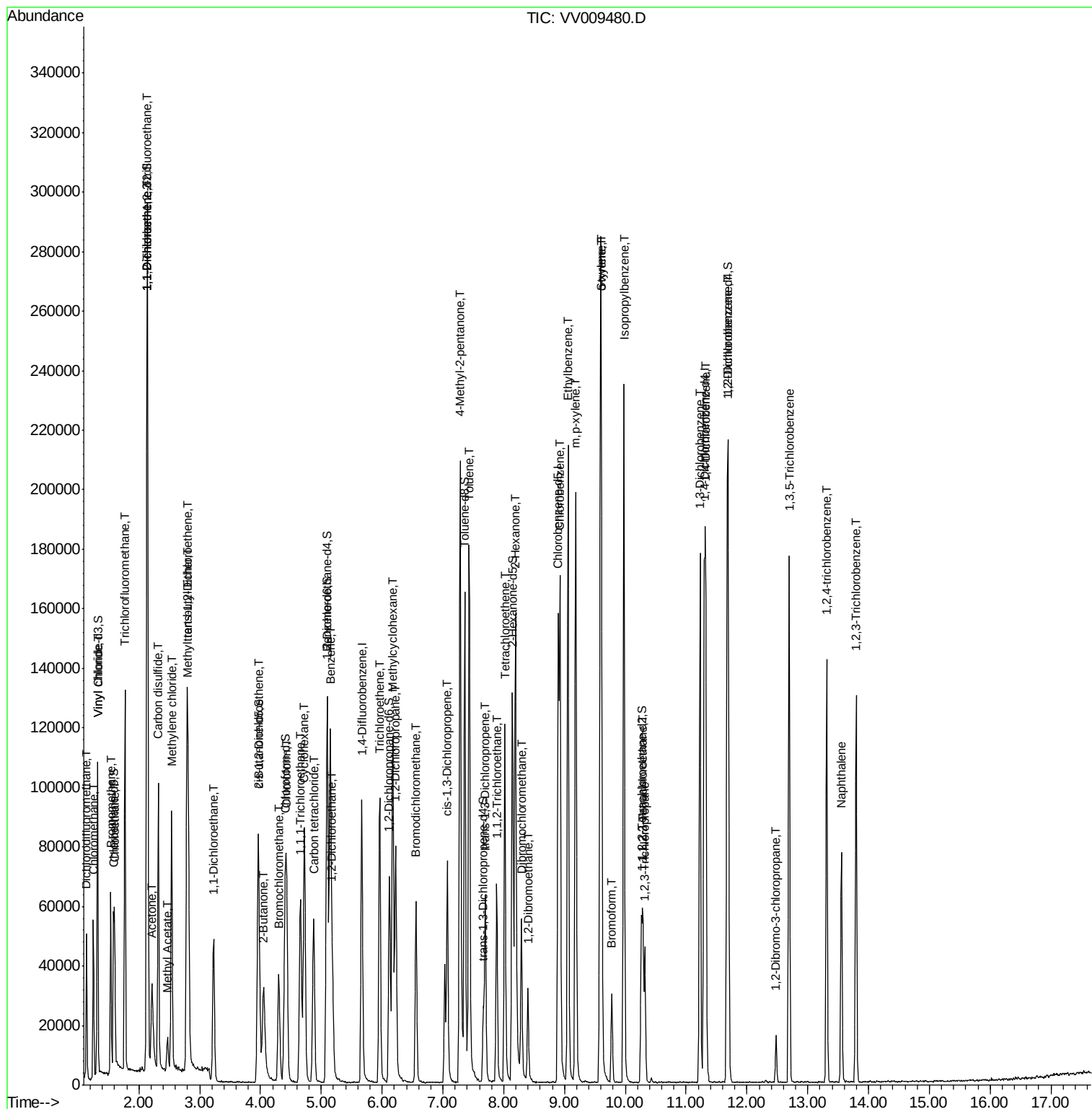
(#) = qualifier out of range (m) = manual integration (+) = signals summed

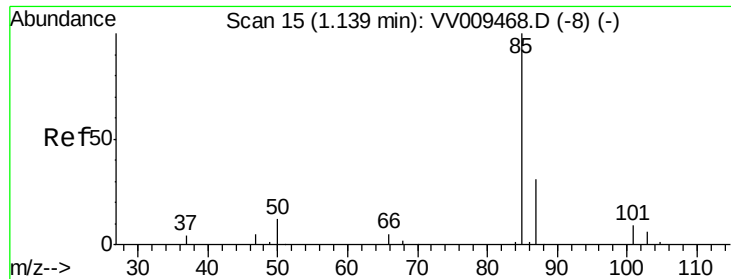
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#2

Dichlorodifluoromethane

Concen: 4.742 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

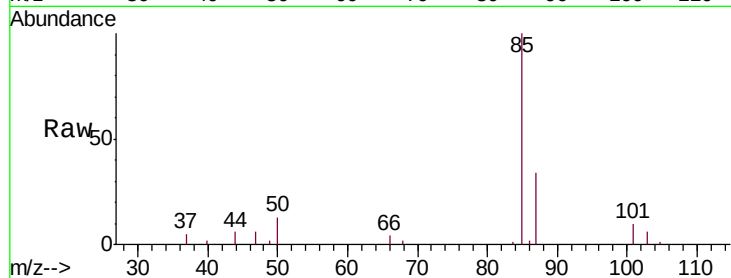
VSTD00571

Tgt Ion: 85 Resp: 25260

Ion Ratio Lower Upper

85 100

87 33.4 24.4 36.6

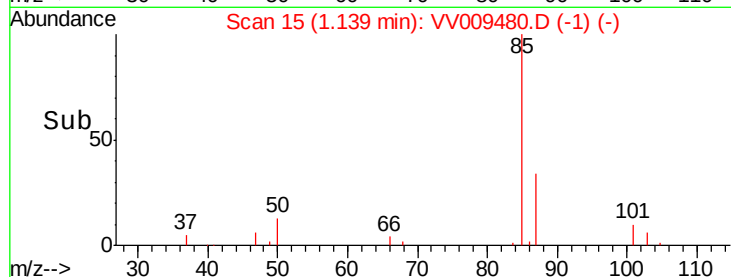


Abundance Ion 85.00 (84.70 to 85.70): VV009468.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009468.D (-8) (-)

1.14

Time-->

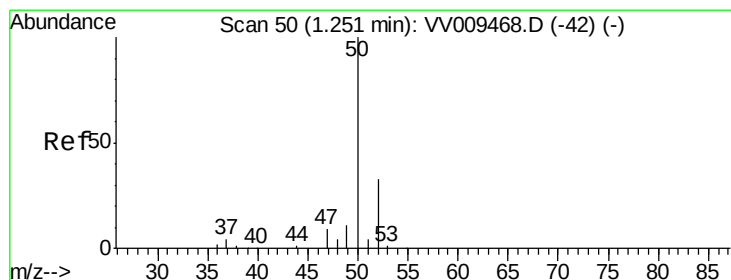


Abundance Ion 85.00 (84.70 to 85.70): VV009480.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV009480.D (-1) (-)

1.14

Time-->



#3

Chloromethane

Concen: 5.307 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009480.D

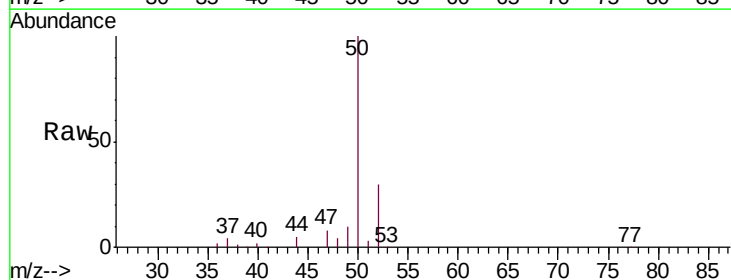
Acq: 04 Mar 2019 19:26

Tgt Ion: 50 Resp: 31453

Ion Ratio Lower Upper

50 100

52 30.3 22.9 42.5

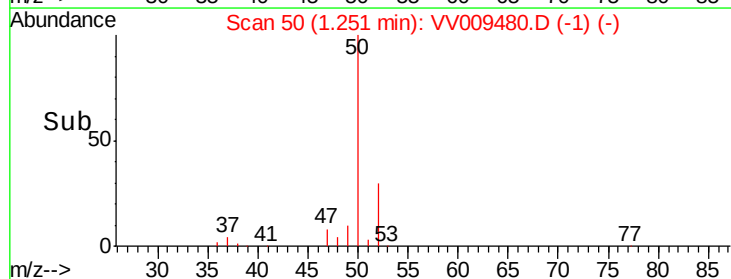


Abundance Ion 50.05 (49.75 to 50.75): VV009468.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV009468.D (-42) (-)

1.25

Time-->

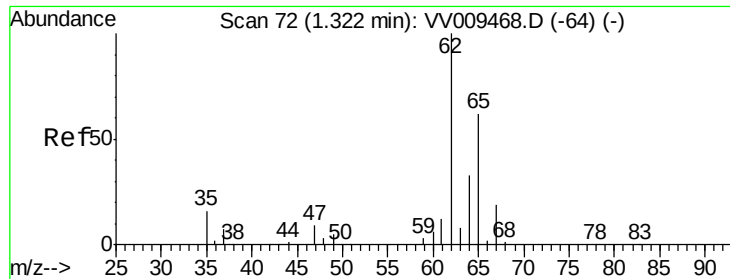


Abundance Ion 50.05 (49.75 to 50.75): VV009480.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV009480.D (-1) (-)

1.25

Time-->



#5

Vinyl chloride

Concen: 5.189 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

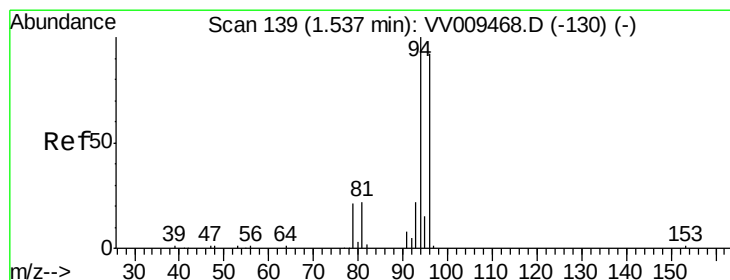
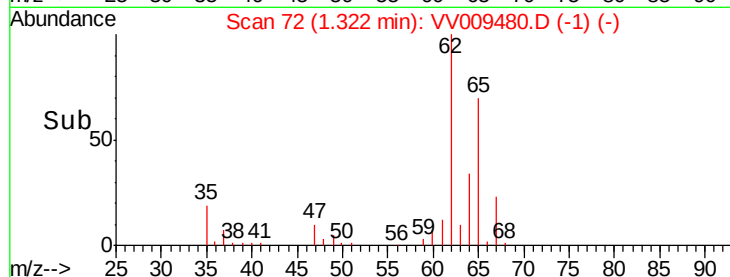
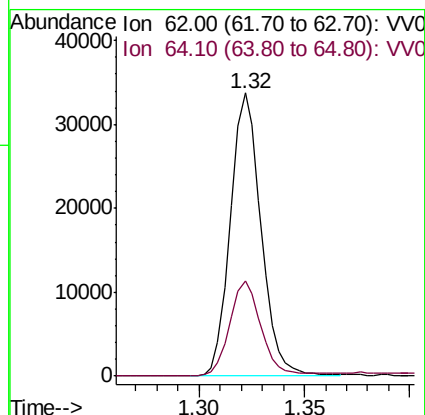
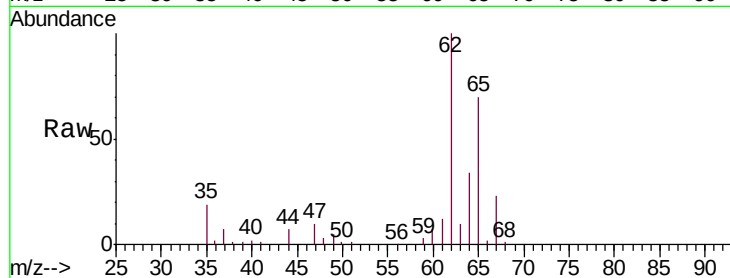
VSTD00571

Tgt Ion: 62 Resp: 33980

Ion Ratio Lower Upper

62 100

64 33.5 22.7 42.3



#6

Bromomethane

Concen: 5.287 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009480.D

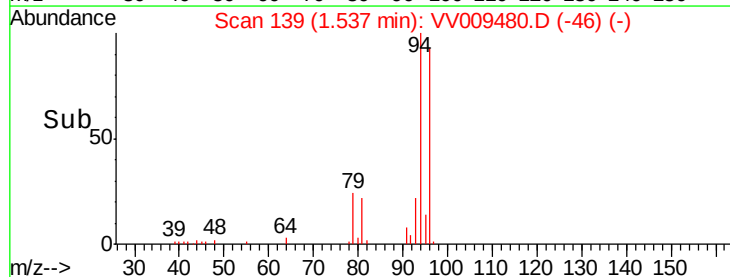
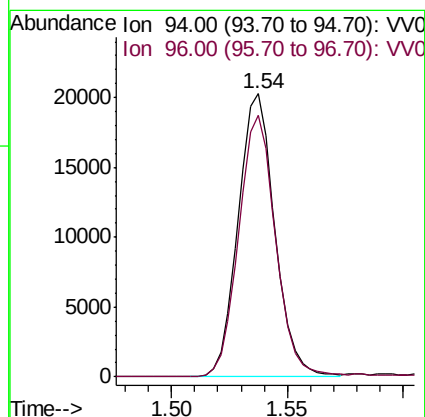
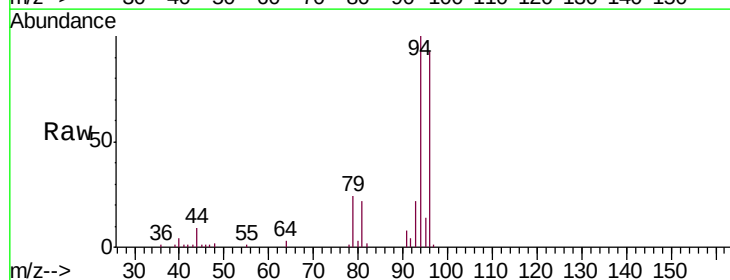
Acq: 04 Mar 2019 19:26

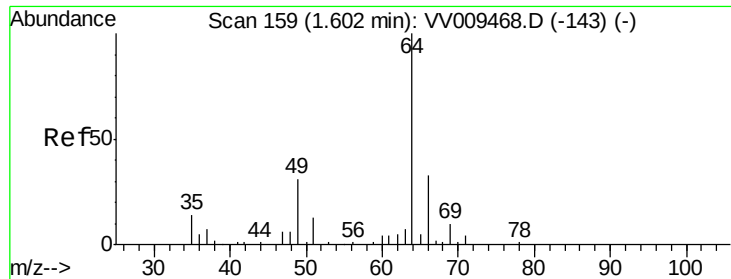
Tgt Ion: 94 Resp: 22256

Ion Ratio Lower Upper

94 100

96 92.6 64.6 120.0





#8

Chloroethane

Concen: 6.036 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

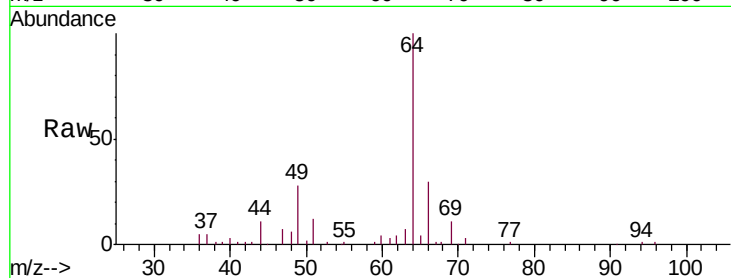
VSTD00571

Tgt Ion: 64 Resp: 26581

Ion Ratio Lower Upper

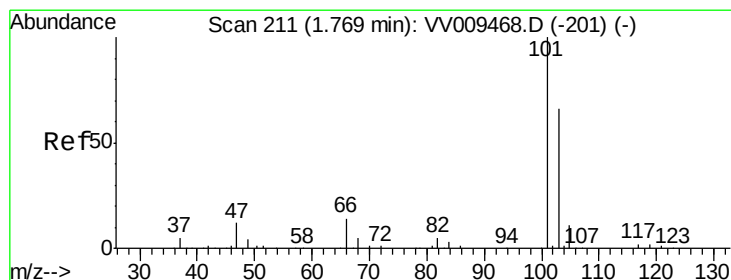
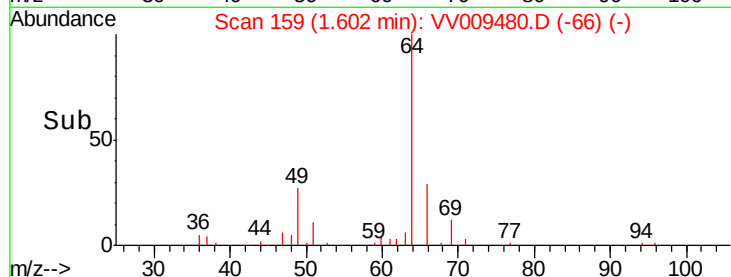
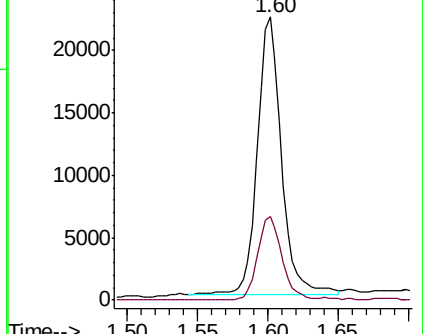
64 100

66 29.5 22.4 41.6



Abundance Ion 64.10 (63.80 to 64.80): VV009468.D (-143) (-)

Ion 66.05 (65.75 to 66.75): VV009468.D (-143) (-)



#9

Trichlorofluoromethane

Concen: 4.913 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009480.D

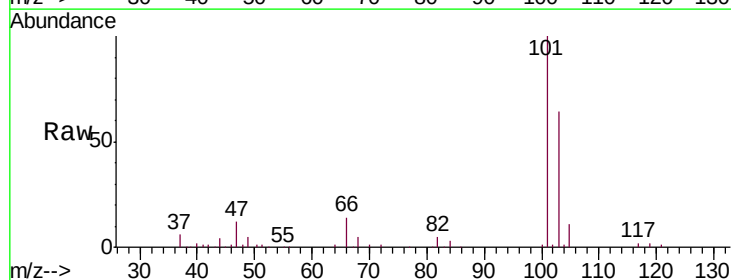
Acq: 04 Mar 2019 19:26

Tgt Ion: 101 Resp: 69766

Ion Ratio Lower Upper

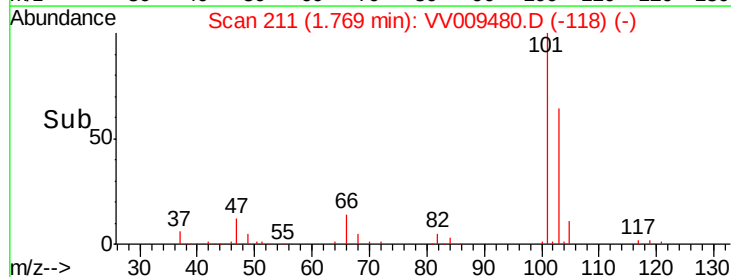
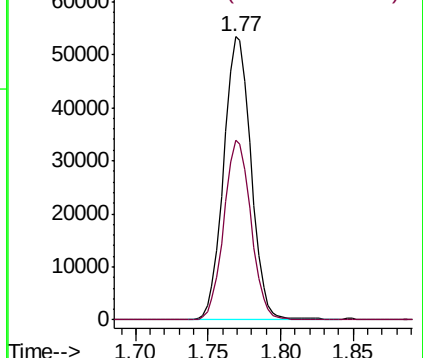
101 100

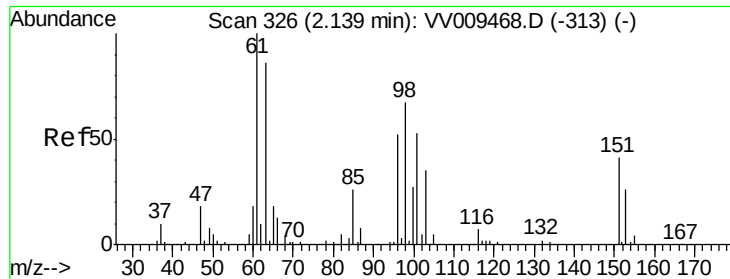
103 62.8 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV009468.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV009468.D (-201) (-)





#10

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

Concen: 5.012 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

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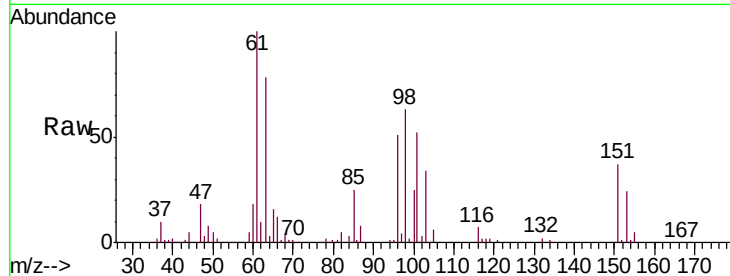
Tgt Ion:101 Resp: 35840

Ion Ratio Lower Upper

101 100

85 47.8 39.2 58.8

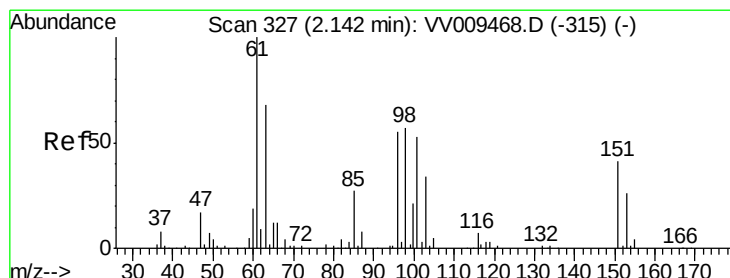
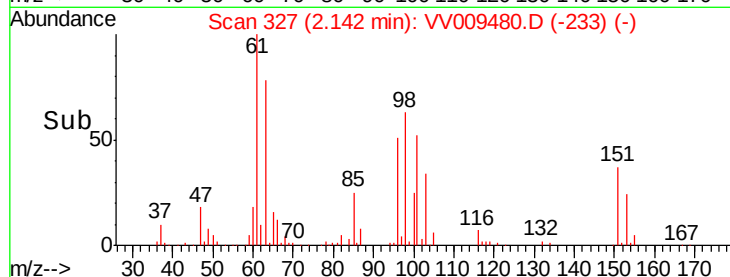
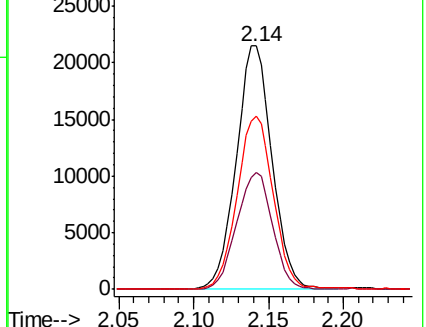
151 71.4 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): VV009480.D (-327) (-)

Ion 85.00 (84.70 to 85.70): VV009480.D (-327) (-)

Ion 151.00 (150.70 to 151.70): VV009480.D (-327) (-)



#12

1,1-Dichloroethene

Concen: 5.006 ug/L

RT: 2.14 min Scan# 327

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

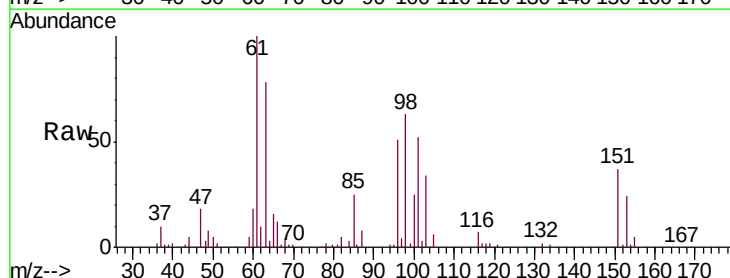
Tgt Ion: 96 Resp: 31026

Ion Ratio Lower Upper

96 100

61 195.9 127.1 236.0

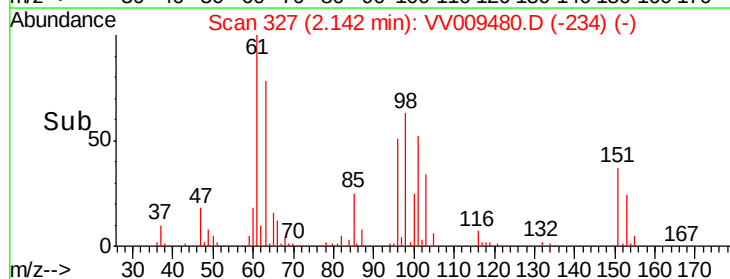
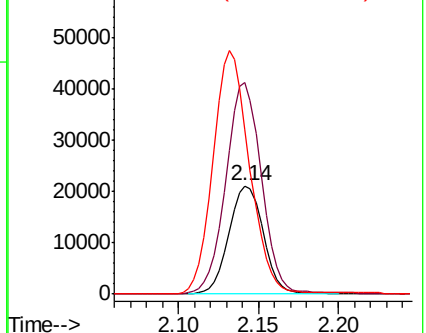
63 152.2 88.8 164.8

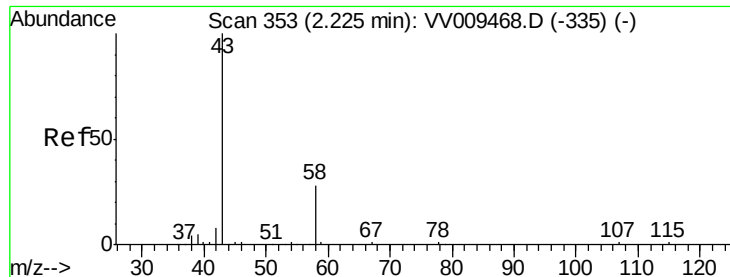


Abundance Ion 96.00 (95.70 to 96.70): VV009480.D (-327) (-)

Ion 61.05 (60.75 to 61.75): VV009480.D (-327) (-)

Ion 63.00 (62.70 to 63.70): VV009480.D (-327) (-)





#13

Acetone

Concen: 51.338 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.01 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

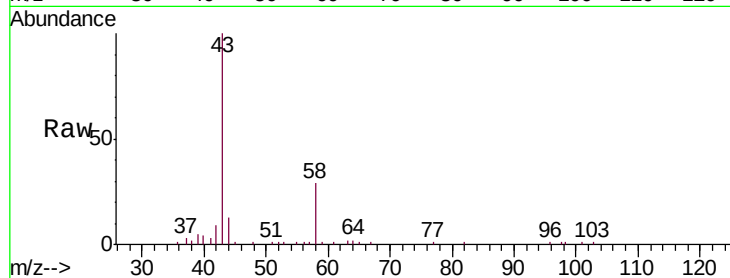
VSTD00571

Tgt Ion: 43 Resp: 45592

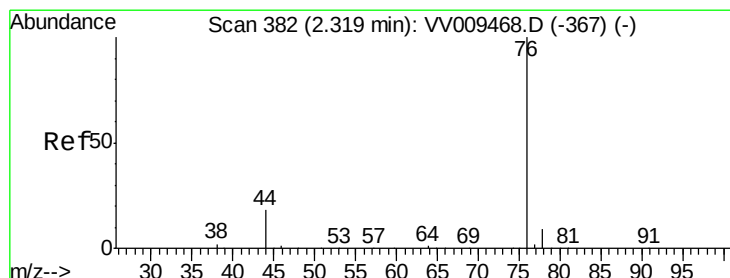
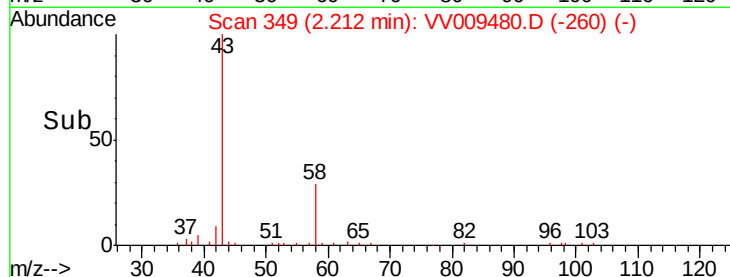
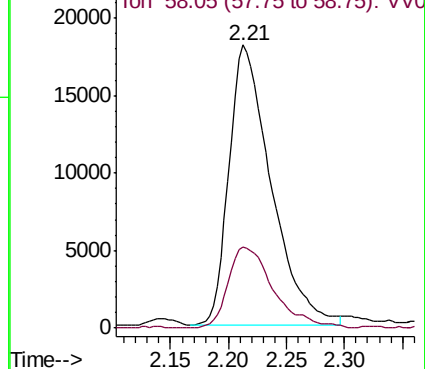
Ion Ratio Lower Upper

43 100

58 31.1 0.0 23.0#



Abundance Ion 43.05 (42.75 to 43.75): VV009480.D (-349) (-)



#14

Carbon disulfide

Concen: 5.054 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV009480.D

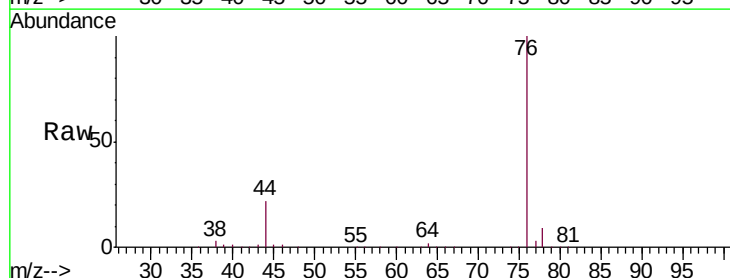
Acq: 04 Mar 2019 19:26

Tgt Ion: 76 Resp: 102111

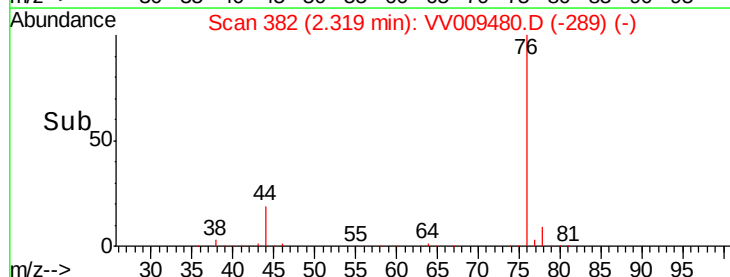
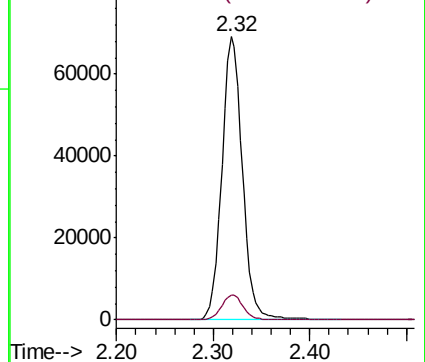
Ion Ratio Lower Upper

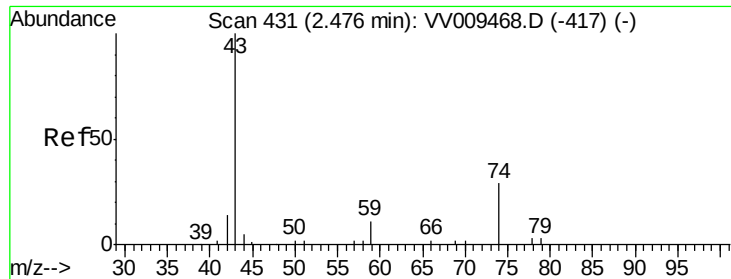
76 100

78 8.7 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV009480.D (-382) (-)

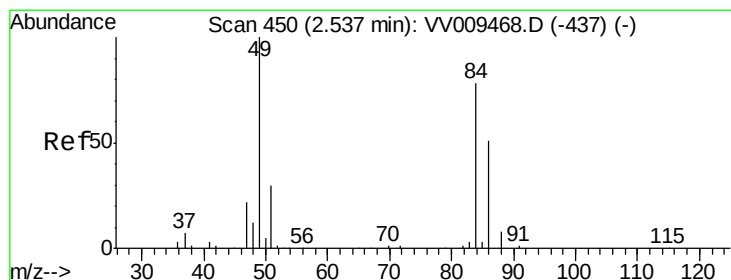
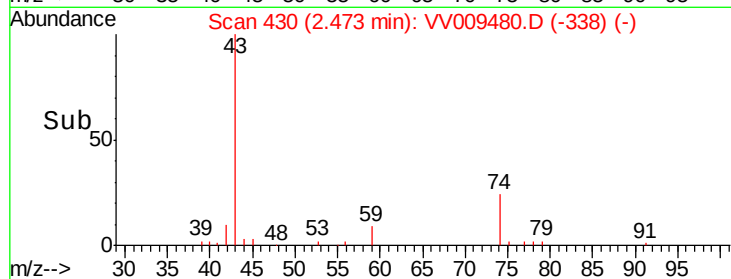
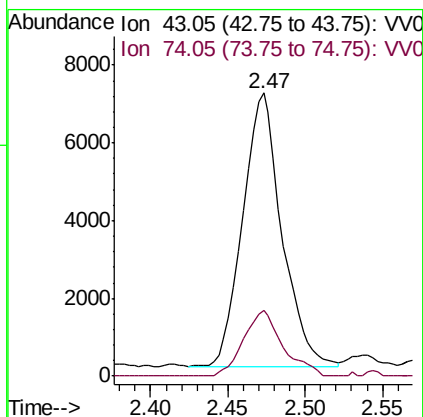
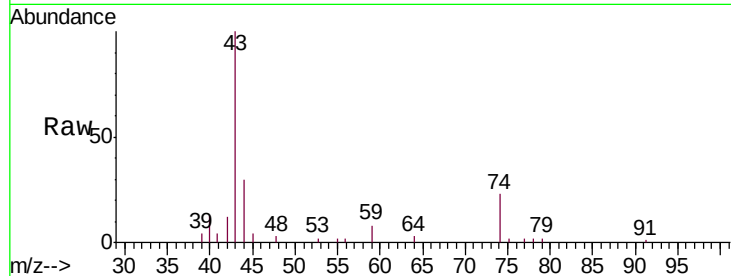




#15
Methyl Acetate
Concen: 5.092 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

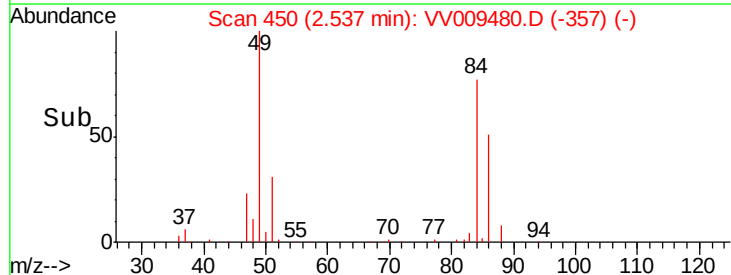
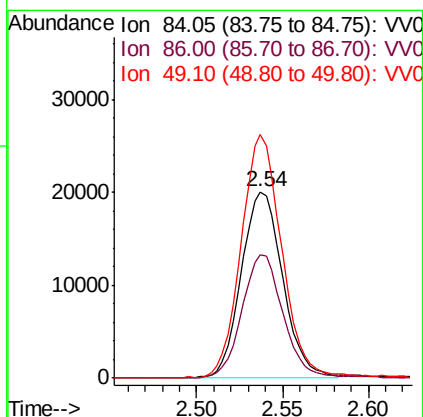
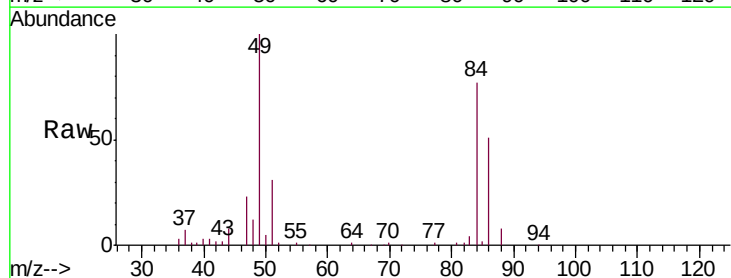
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

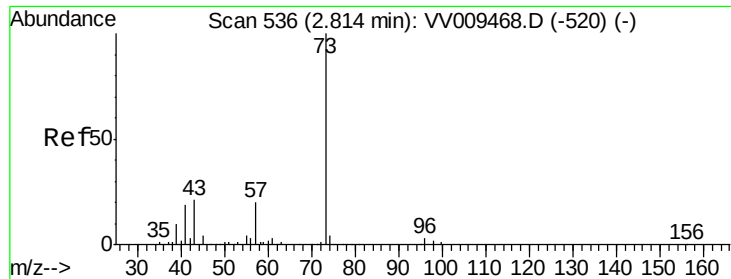
Tgt Ion: 43 Resp: 12369
Ion Ratio Lower Upper
43 100
74 24.2 21.8 32.6



#16
Methylene chloride
Concen: 4.668 ug/L
RT: 2.54 min Scan# 450
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Tgt Ion: 84 Resp: 33720
Ion Ratio Lower Upper
84 100
86 66.4 46.1 85.5
49 130.5 89.7 166.5





#17

Methyl tert-butyl Ether

Concen: 5.378 ug/L

RT: 2.81 min Scan# 536

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

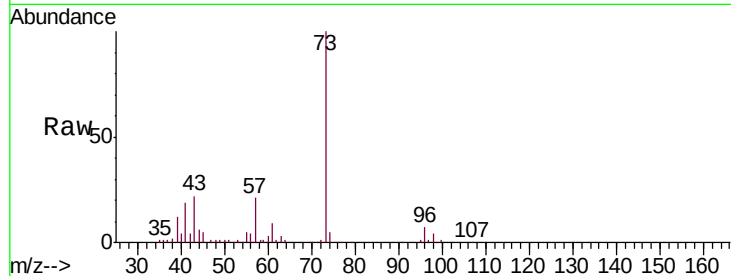
Tgt Ion: 73 Resp: 84111

Ion Ratio Lower Upper

73 100

43 22.2 17.2 25.8

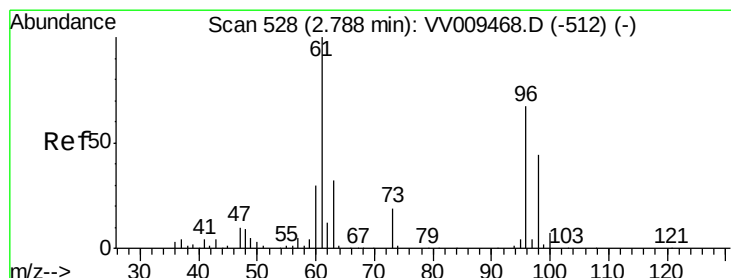
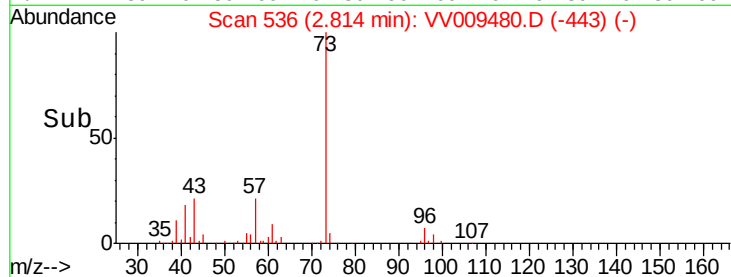
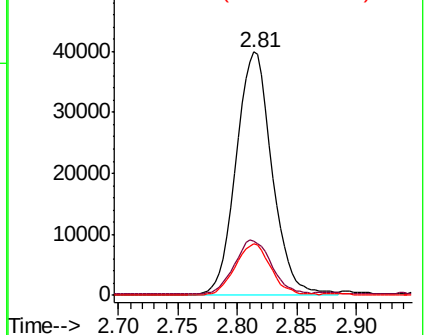
57 21.2 17.3 25.9



Abundance Ion 73.10 (72.80 to 73.80): VV009480.D (-443) (-)

Ion 43.05 (42.75 to 43.75): VV009480.D (-443) (-)

Ion 57.10 (56.80 to 57.80): VV009480.D (-443) (-)



#18

trans-1,2-Dichloroethene

Concen: 5.273 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

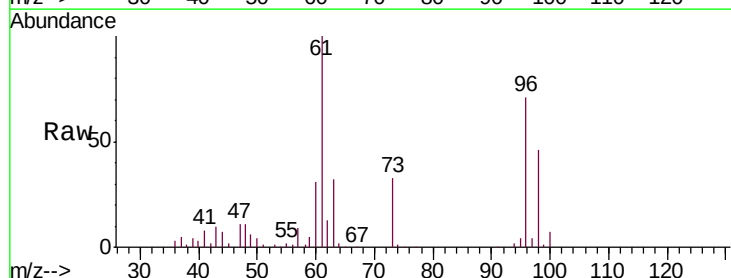
Tgt Ion: 96 Resp: 35767

Ion Ratio Lower Upper

96 100

61 140.0 103.9 192.9

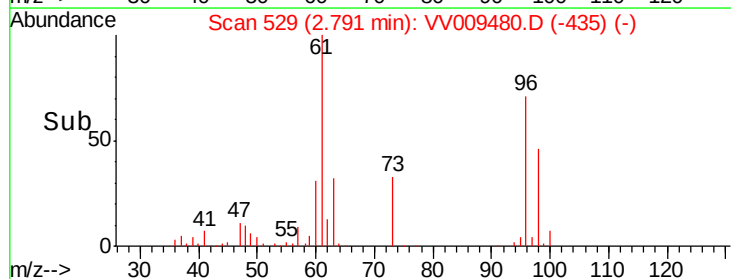
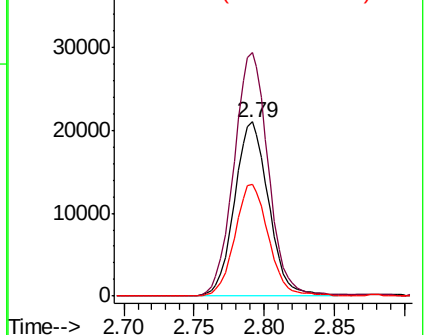
98 64.5 46.0 85.4

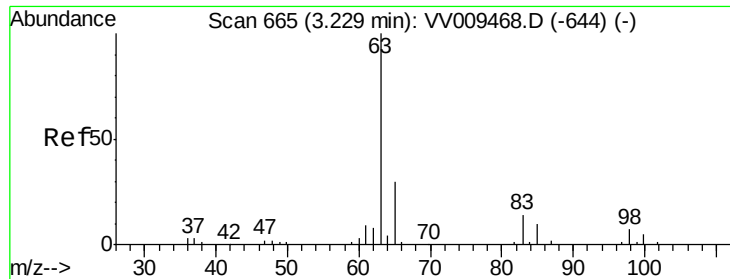


Abundance Ion 96.00 (95.70 to 96.70): VV009480.D (-435) (-)

Ion 61.05 (60.75 to 61.75): VV009480.D (-435) (-)

Ion 97.95 (97.65 to 98.65): VV009480.D (-435) (-)

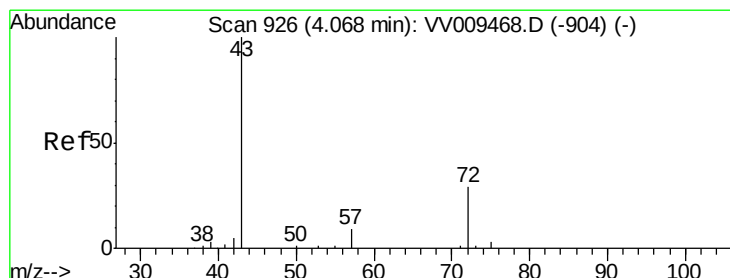
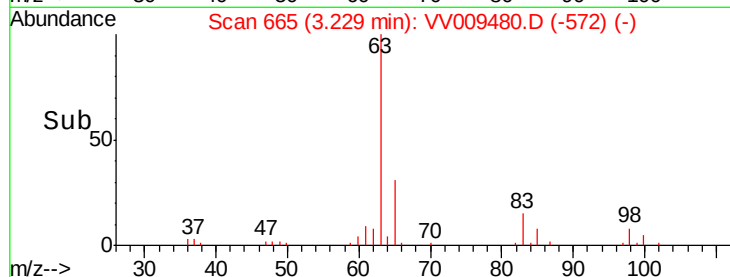
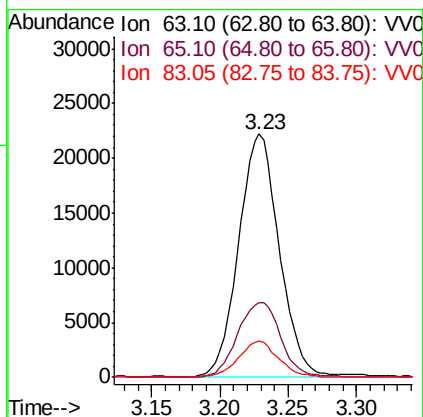
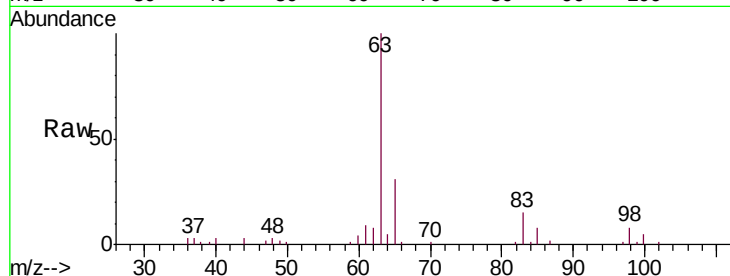




#19
 1,1-Dichloroethane
 Concen: 4.716 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

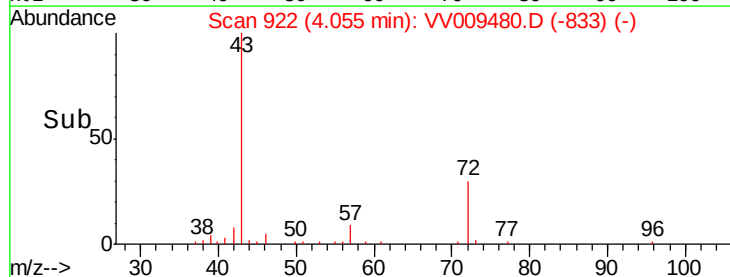
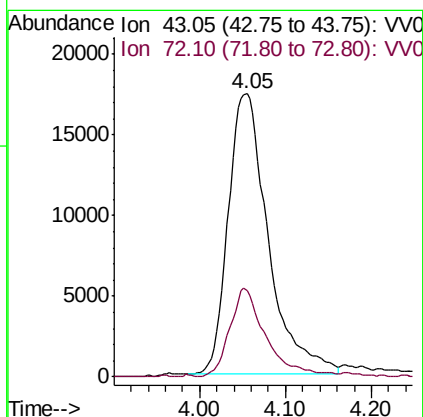
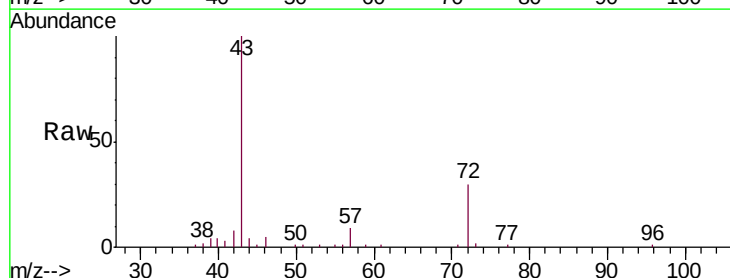
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

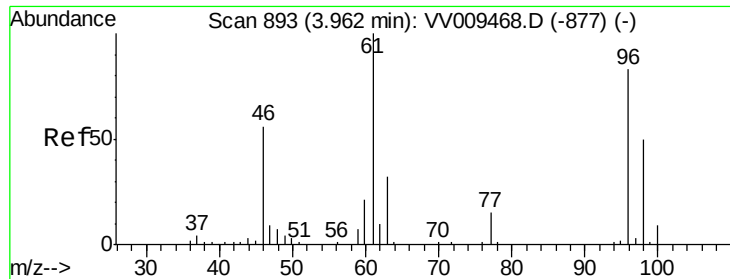
Tgt Ion: 63 Resp: 45953
 Ion Ratio Lower Upper
 63 100
 65 30.7 21.3 39.5
 83 14.8 9.9 18.5



#21
 2-Butanone
 Concen: 51.248 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Tgt Ion: 43 Resp: 56435
 Ion Ratio Lower Upper
 43 100
 72 28.2 14.8 44.4



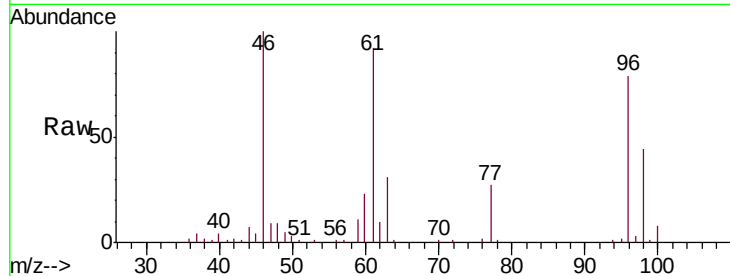


#22

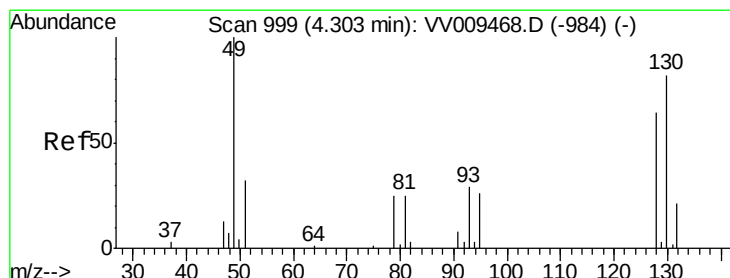
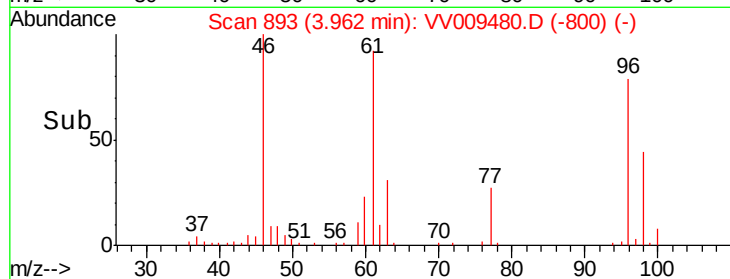
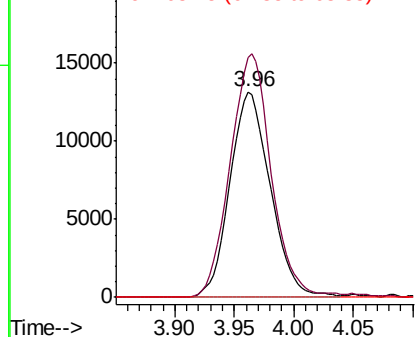
cis-1,2-Dichloroethene
Concen: 5.132 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion: 96 Resp: 31025
Ion Ratio Lower Upper
96 100
61 116.7 84.8 157.4
68 0.0 0.0 0.0



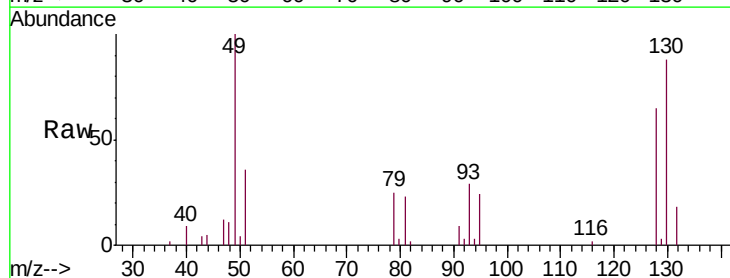
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



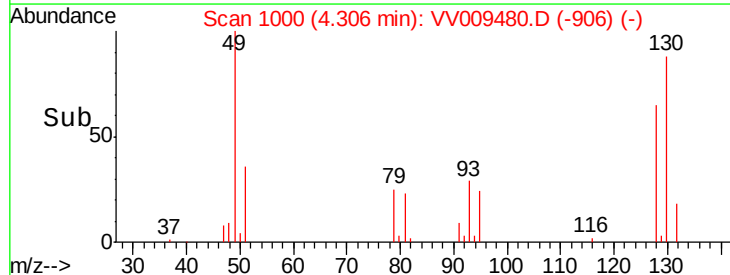
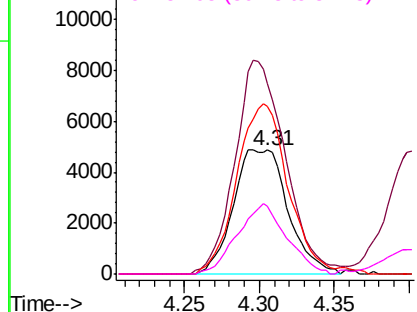
#23

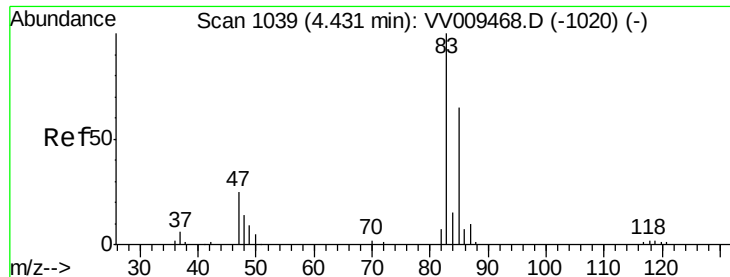
Bromochloromethane
Concen: 5.192 ug/L
RT: 4.31 min Scan# 1000
Delta R.T. 0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Tgt Ion: 128 Resp: 12392
Ion Ratio Lower Upper
128 100
49 154.2 110.4 205.0
130 135.2 89.1 165.5
51 55.1 39.7 59.5



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

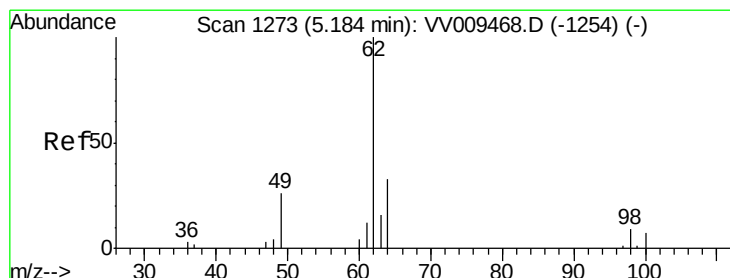
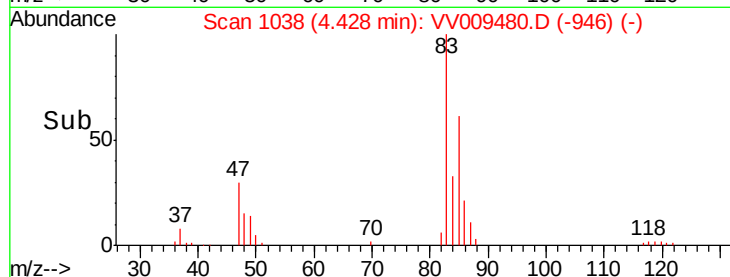
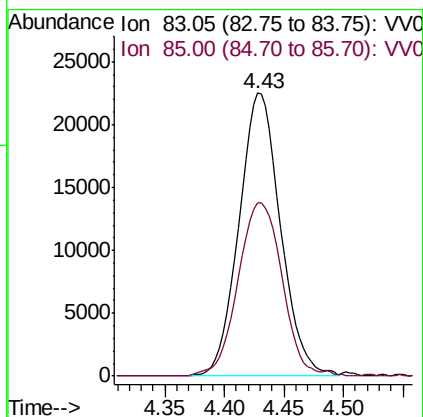
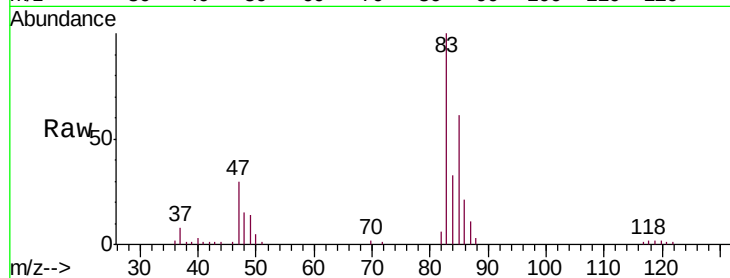




#25
Chloroform
Concen: 5.277 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

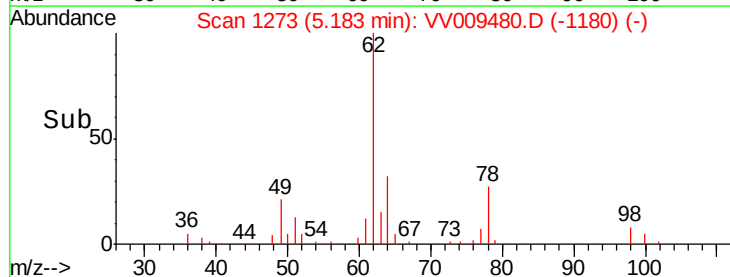
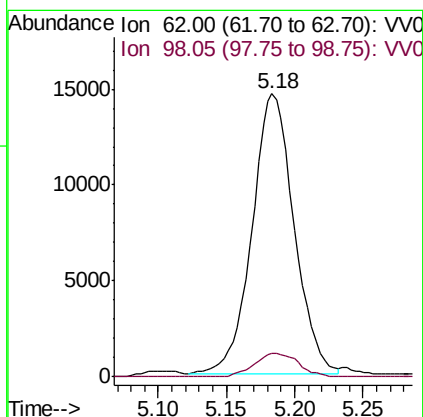
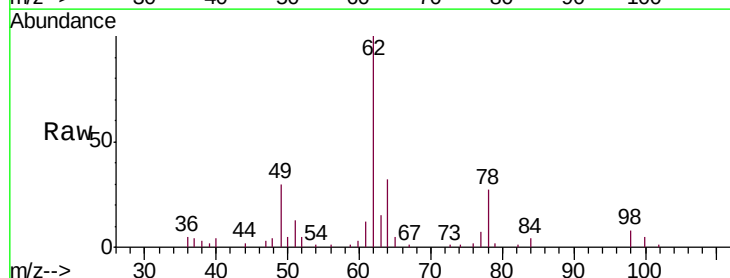
Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

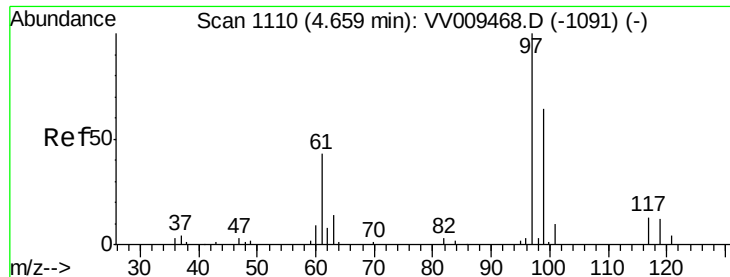
Tgt Ion: 83 Resp: 54399
Ion Ratio Lower Upper
83 100
85 61.4 45.7 84.9



#27
1,2-Dichloroethane
Concen: 5.019 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Tgt Ion: 62 Resp: 31226
Ion Ratio Lower Upper
62 100
98 8.2 7.4 11.0

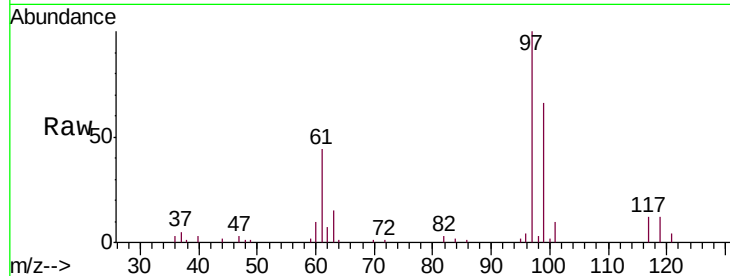




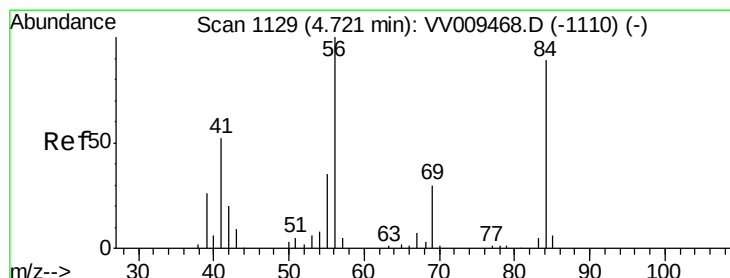
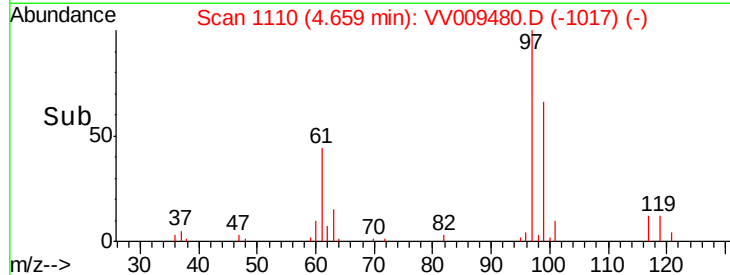
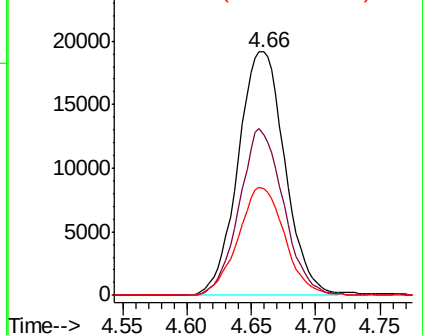
#29
 1,1,1-Trichloroethane
 Concen: 5.040 ug/L
 RT: 4.66 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 97 Resp: 48438
 Ion Ratio Lower Upper
 97 100
 99 64.4 50.8 76.2
 61 44.1 35.0 52.6

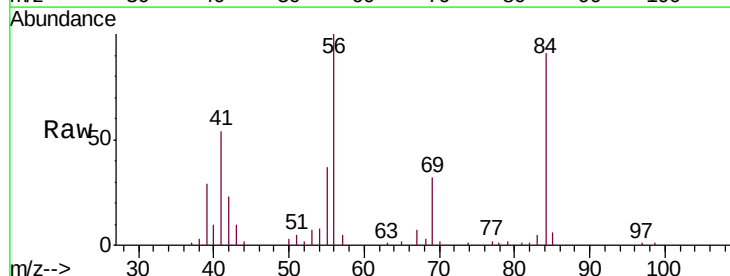


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

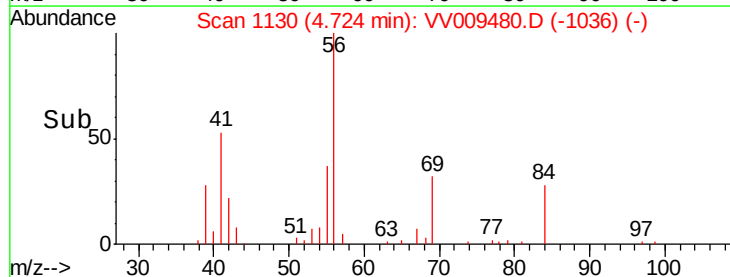
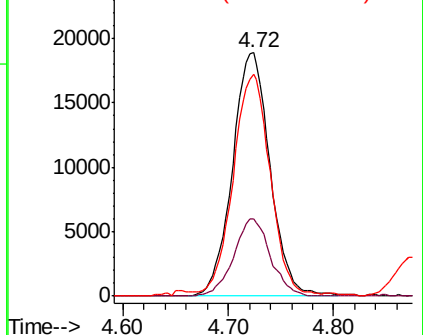


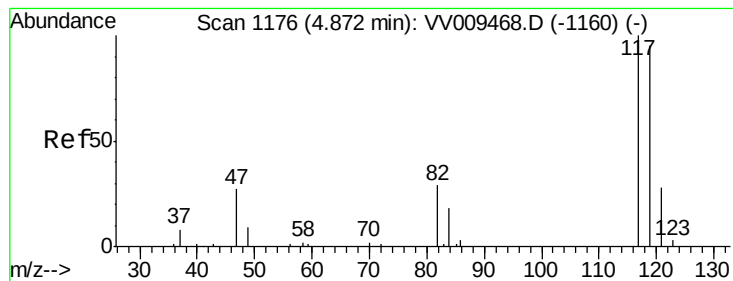
#30
 Cyclohexane
 Concen: 5.099 ug/L
 RT: 4.72 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Tgt Ion: 56 Resp: 46683
 Ion Ratio Lower Upper
 56 100
 69 30.8 25.6 38.4
 84 88.8 72.4 108.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.975 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

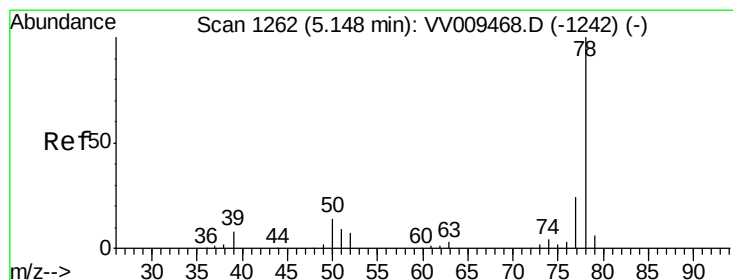
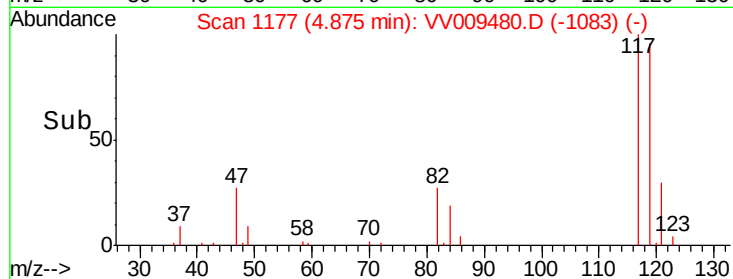
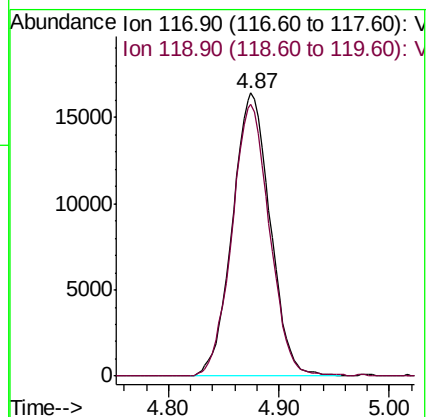
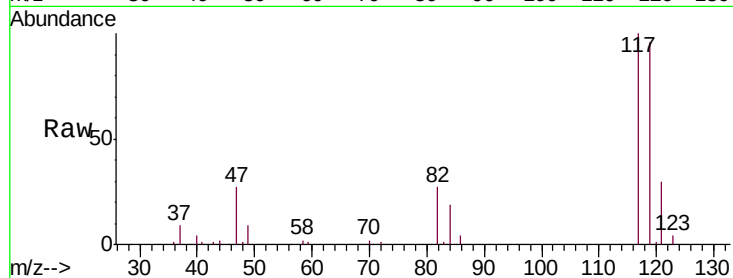
VSTD00571

Tgt Ion:117 Resp: 38916

Ion Ratio Lower Upper

117 100

119 95.3 75.4 113.2



#33

Benzene

Concen: 5.178 ug/L

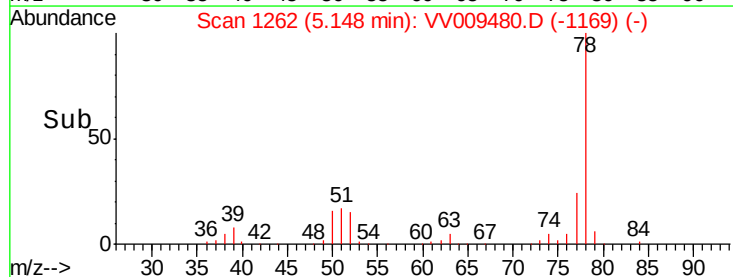
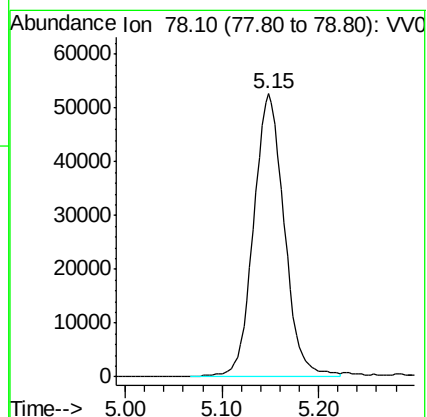
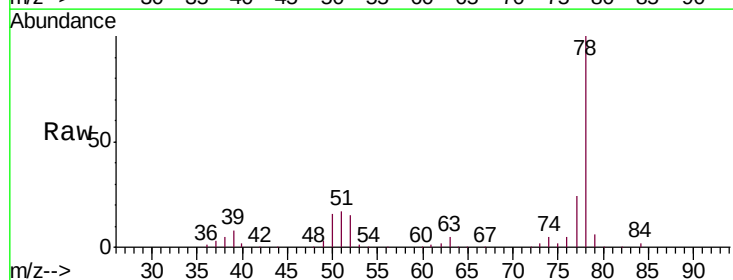
RT: 5.15 min Scan# 1262

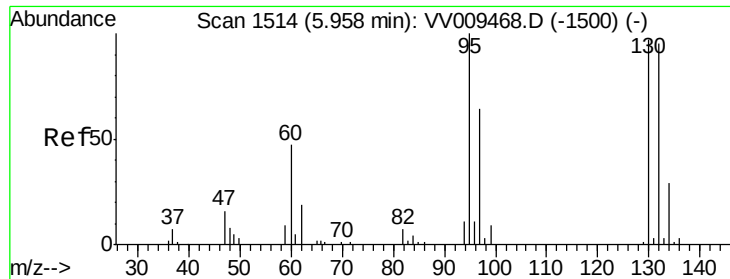
Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Tgt Ion: 78 Resp: 116153

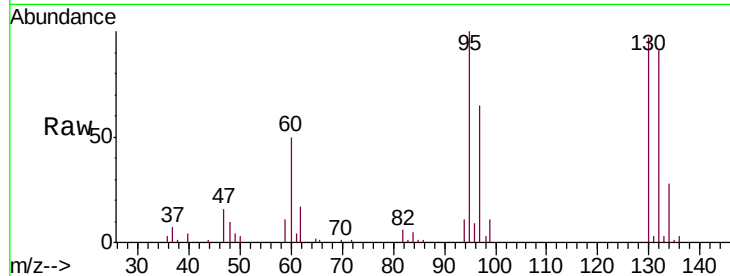




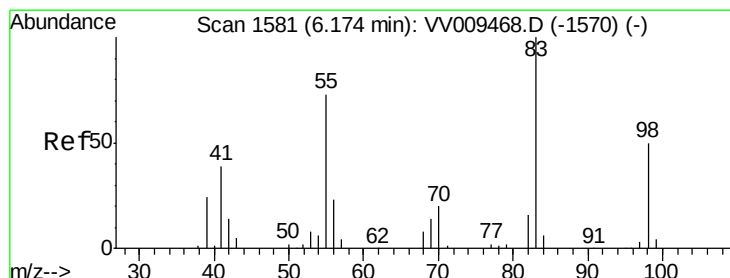
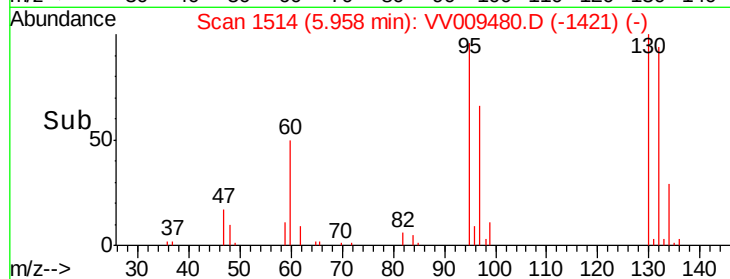
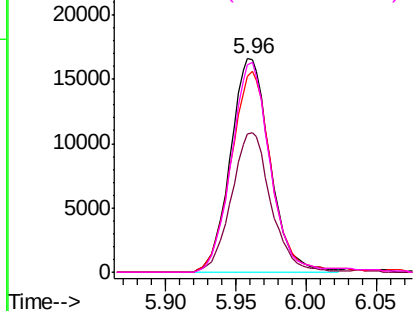
#34
 Trichloroethene
 Concen: 5.152 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion: 95 Resp: 32701
 Ion Ratio Lower Upper
 95 100
 97 64.5 44.4 82.5
 132 91.5 66.4 123.4
 130 97.2 68.1 126.5

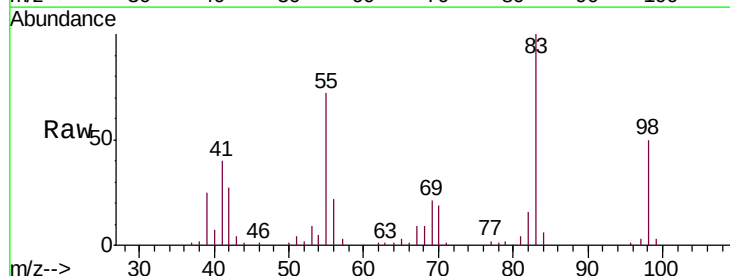


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

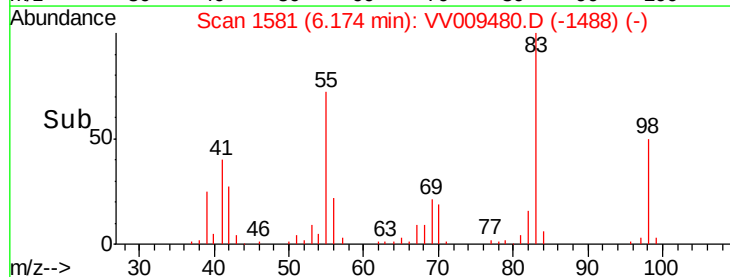
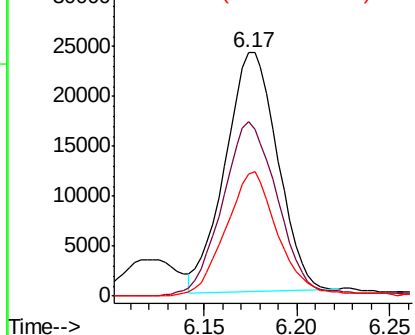


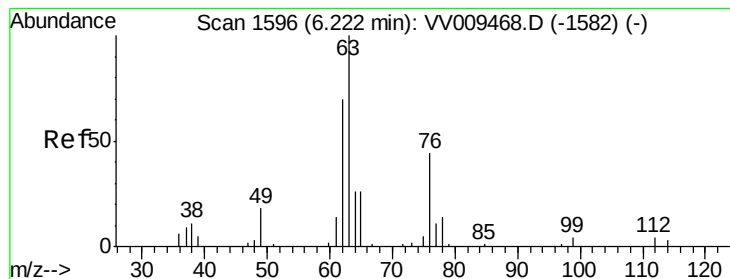
#35
 Methylcyclohexane
 Concen: 4.646 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Tgt Ion: 83 Resp: 47079
 Ion Ratio Lower Upper
 83 100
 55 77.6 57.4 86.2
 98 52.0 38.9 58.3



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





#37

1,2-Dichloropropane

Concen: 5.109 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

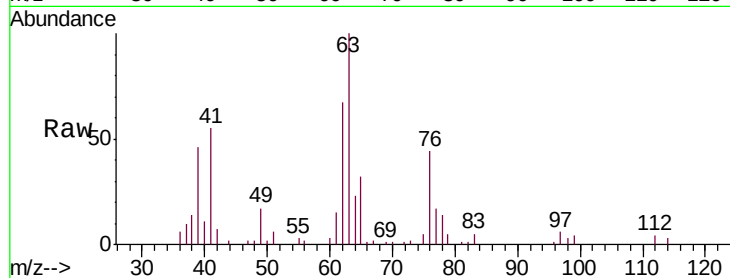
VSTD00571

Tgt Ion: 63 Resp: 27905

Ion Ratio Lower Upper

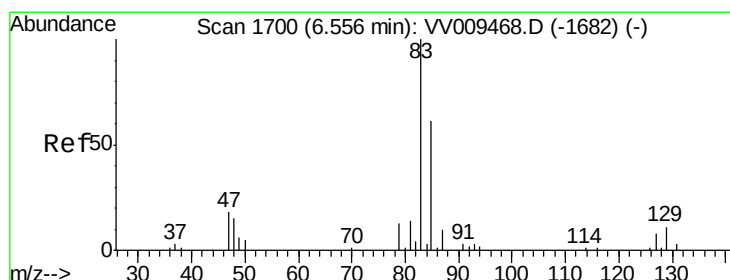
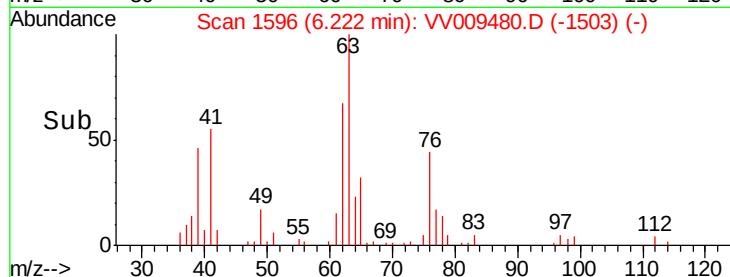
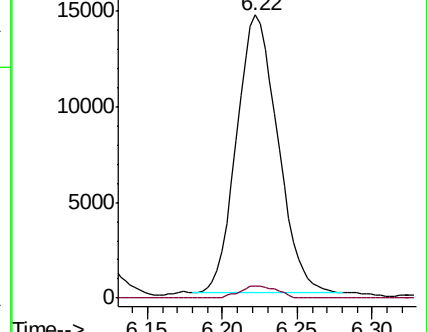
63 100

112 4.0 3.3 4.9



Abundance Ion 63.10 (62.80 to 63.80): VV009480.D (-1582) (-)

Ion 112.10 (111.80 to 112.80): VV009480.D (-1582) (-)



#38

Bromodichloromethane

Concen: 5.004 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

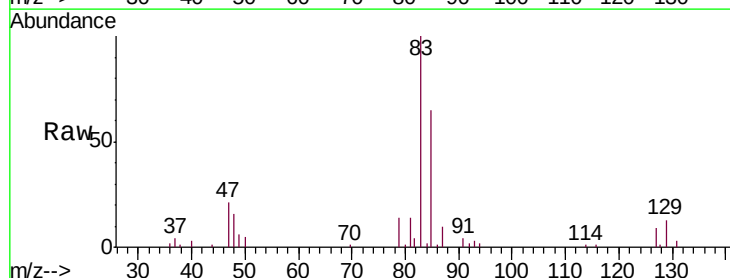
Tgt Ion: 83 Resp: 38372

Ion Ratio Lower Upper

83 100

85 65.2 42.8 79.4

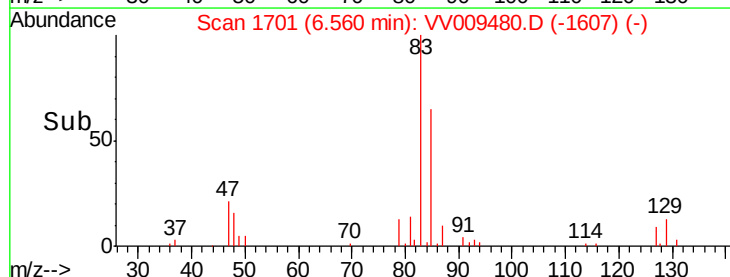
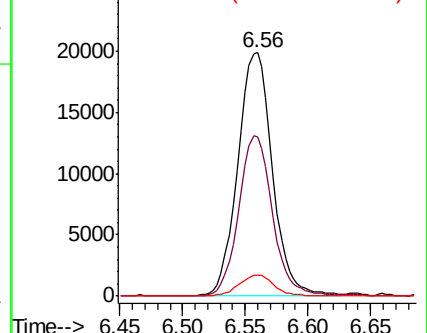
127 8.8 6.2 9.4

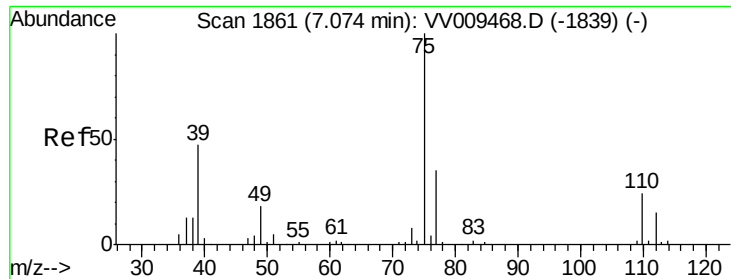


Abundance Ion 82.95 (82.65 to 83.65): VV009480.D (-1682) (-)

Ion 85.00 (84.70 to 85.70): VV009480.D (-1682) (-)

Ion 126.90 (126.60 to 127.60): VV009480.D (-1682) (-)

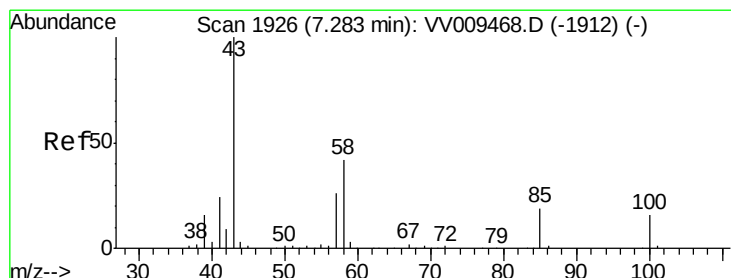
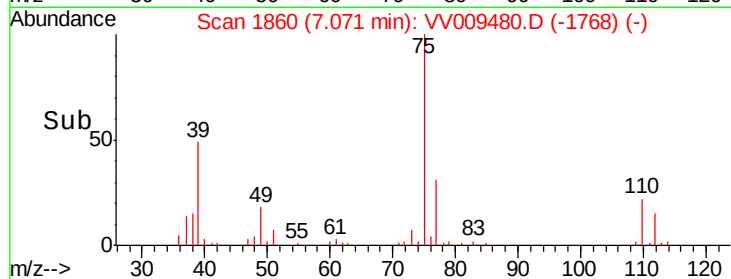
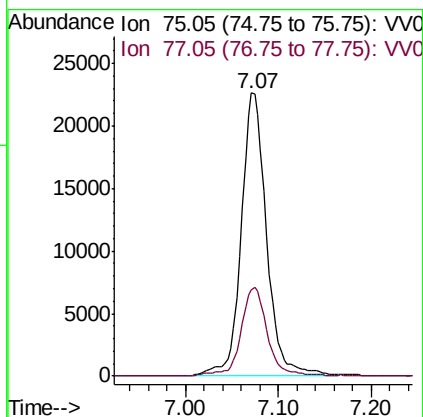
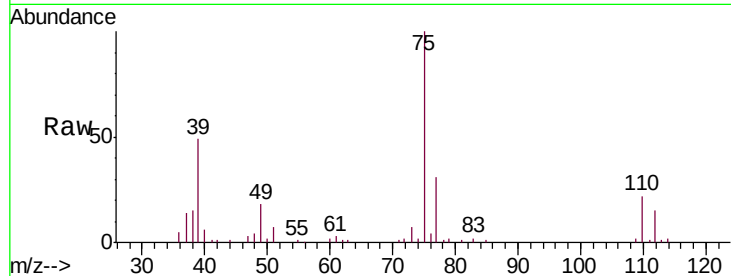




#39
 cis-1,3-Dichloropropene
 Concen: 5.039 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

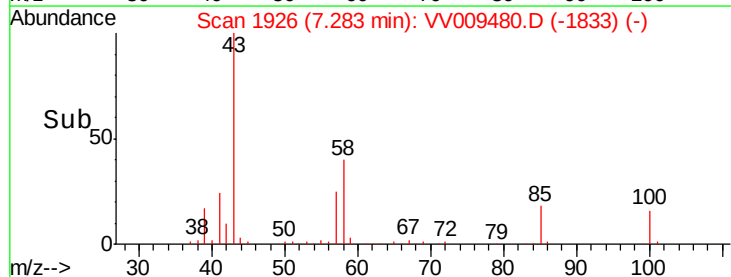
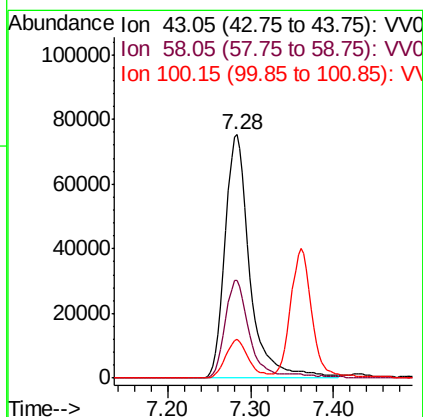
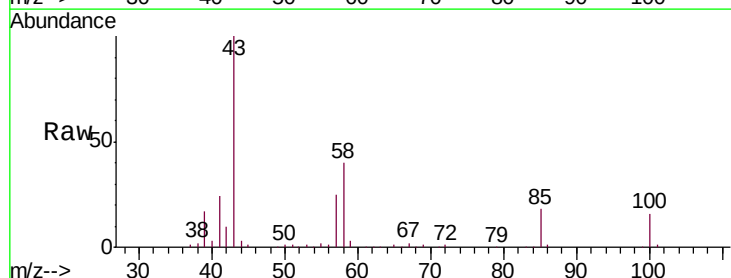
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00571

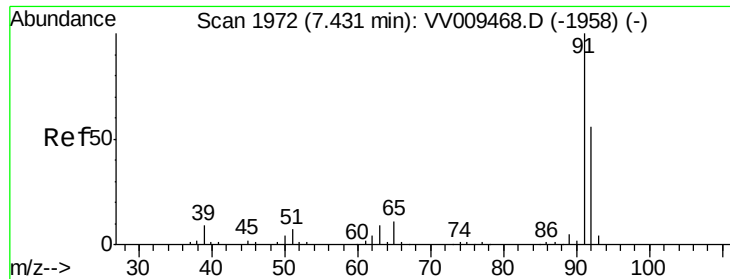
Tgt Ion: 75 Resp: 43169
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.1 44.8



#40
 4-Methyl-2-pentanone
 Concen: 52.678 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Tgt Ion: 43 Resp: 156558
 Ion Ratio Lower Upper
 43 100
 58 38.5 32.3 48.5
 100 14.5 12.0 18.0





#42

Toluene

Concen: 5.175 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

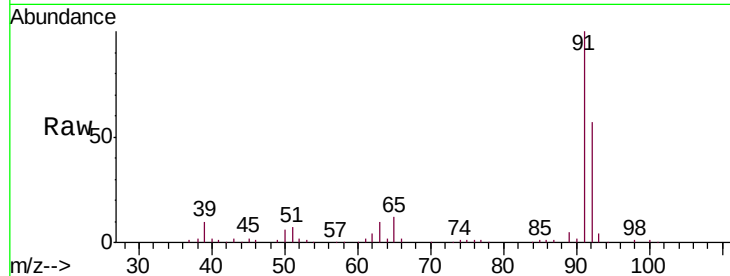
VSTD00571

Tgt Ion: 91 Resp: 132914

Ion Ratio Lower Upper

91 100

92 57.3 39.1 72.5



Abundance Ion 91.15 (90.85 to 91.85): VV009480.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009480.D (-1958) (-)

7.43

80000

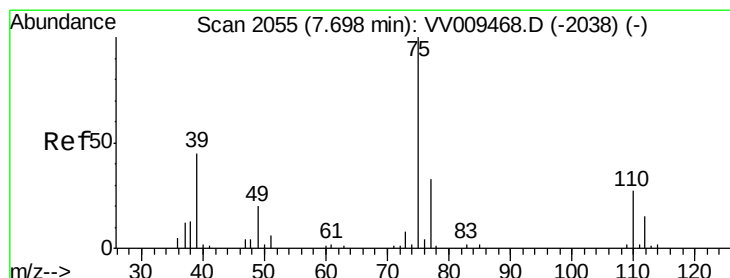
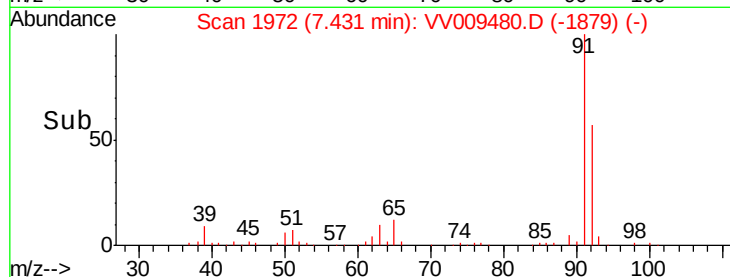
60000

40000

20000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.133 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009480.D

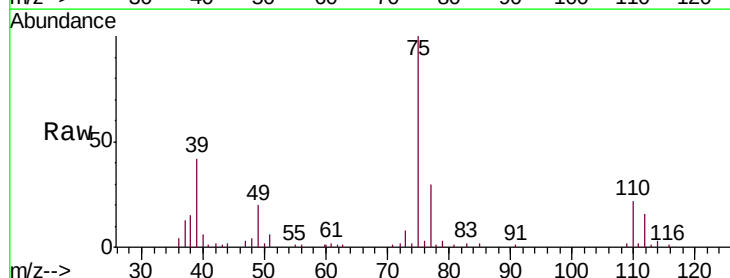
Acq: 04 Mar 2019 19:26

Tgt Ion: 75 Resp: 34845

Ion Ratio Lower Upper

75 100

77 29.6 22.7 42.3



Abundance Ion 75.05 (74.75 to 75.75): VV009480.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009480.D (-2038) (-)

7.69

20000

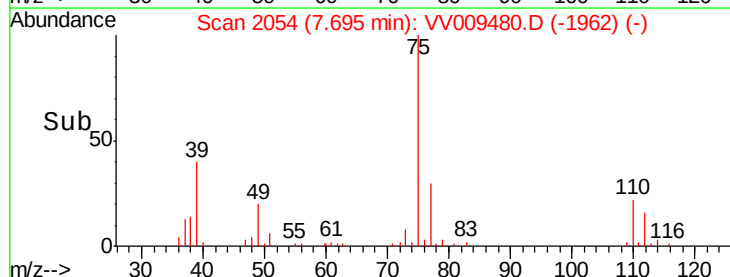
15000

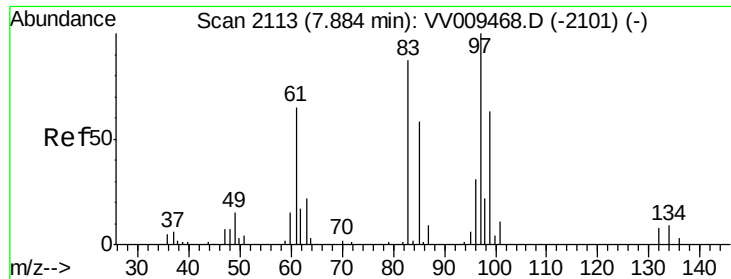
10000

5000

0

Time-->

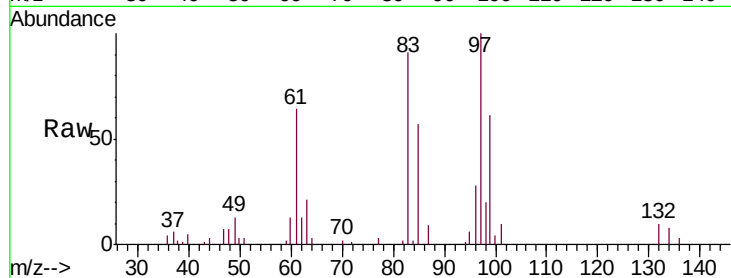




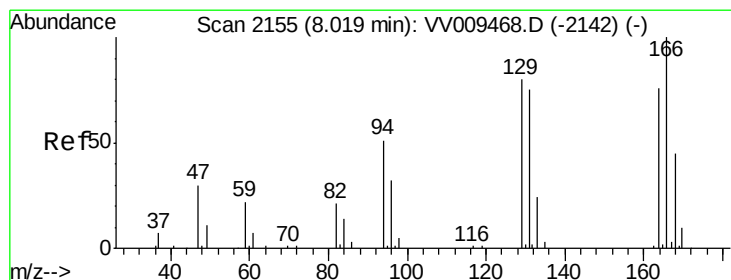
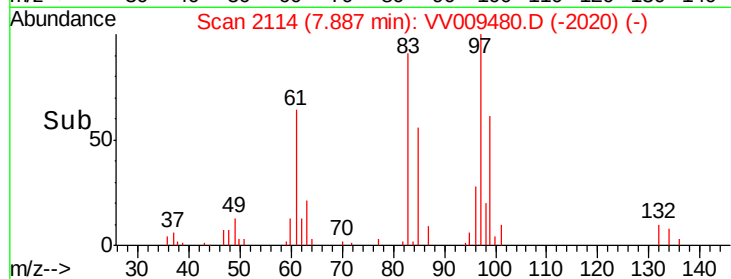
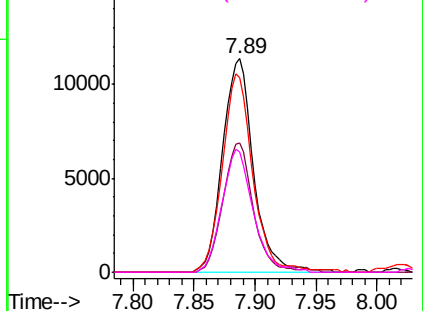
#45
1,1,2-Trichloroethane
Concen: 5.248 ug/L
RT: 7.89 min Scan# 2114
Delta R.T. 0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion:	97	Resp:	20298
Ion	Ratio	Lower	Upper
97	100		
99	60.8	43.8	81.4
83	91.2	60.7	112.7
85	56.6	40.5	75.3

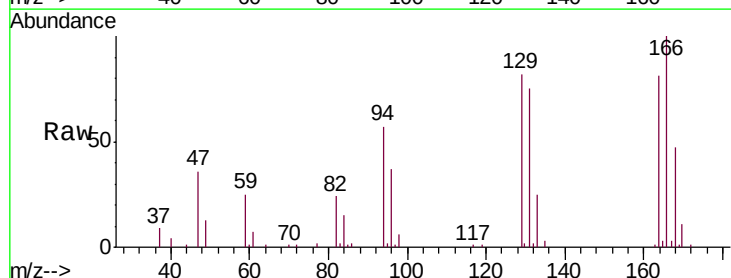


Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0

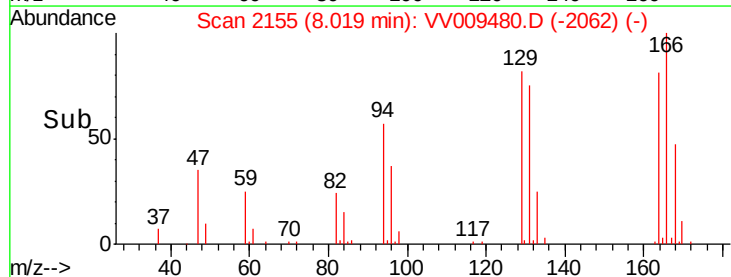
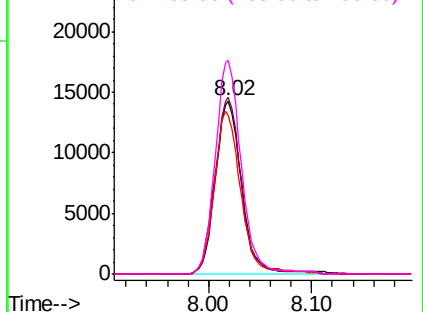


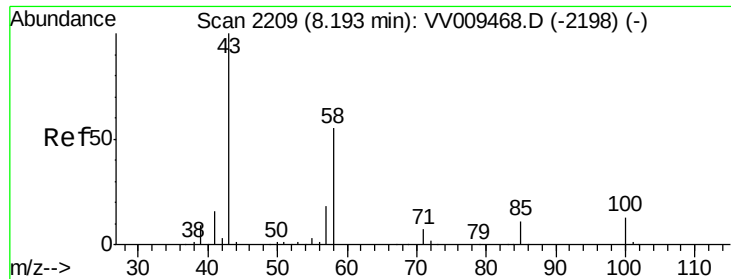
#47
Tetrachloroethene
Concen: 5.217 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Tgt Ion:	164	Resp:	25481
Ion	Ratio	Lower	Upper
164	100		
129	101.7	73.6	136.8
131	92.0	68.4	127.0
166	123.3	91.8	170.4



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

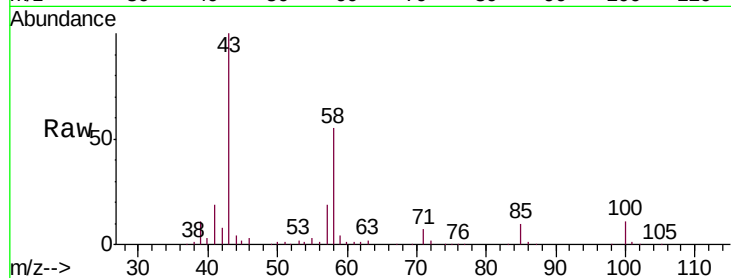




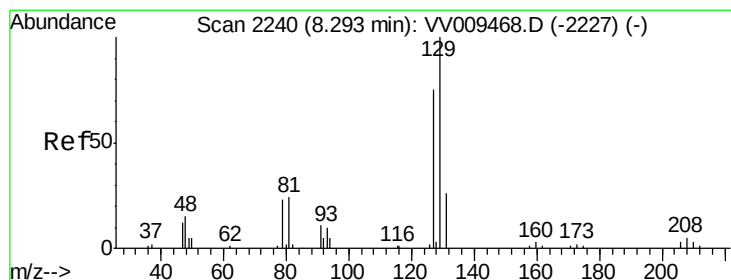
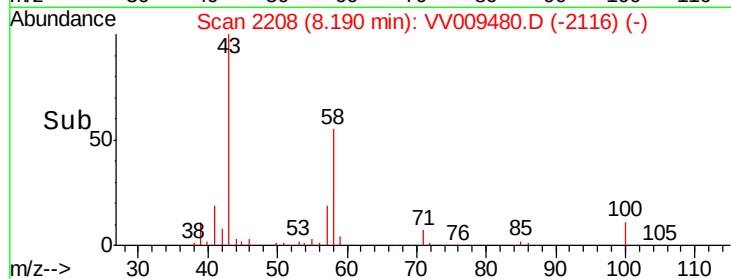
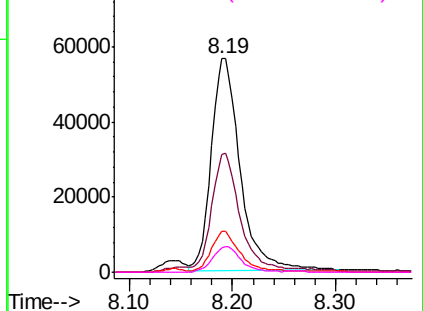
#48
2-Hexanone
Concen: 53.672 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion:	43	Resp:	110145
Ion	Ratio	Lower	Upper
43	100		
58	51.8	43.4	65.0
57	18.1	15.0	22.4
100	11.8	9.6	14.4

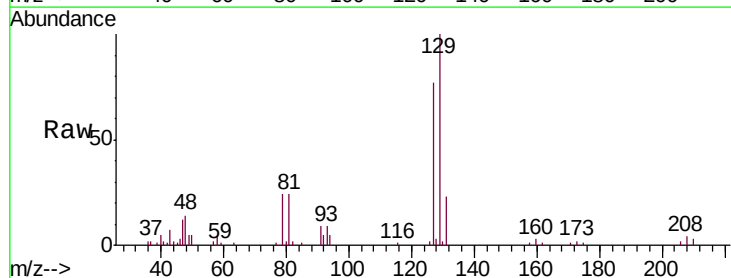


Abundance Ion 43.05 (42.75 to 43.75): VV009480.D (-2198) (-)
Ion 58.05 (57.75 to 58.75): VV009480.D (-2198) (-)
Ion 57.20 (56.90 to 57.90): VV009480.D (-2198) (-)
Ion 100.15 (99.85 to 100.85): VV009480.D (-2198) (-)

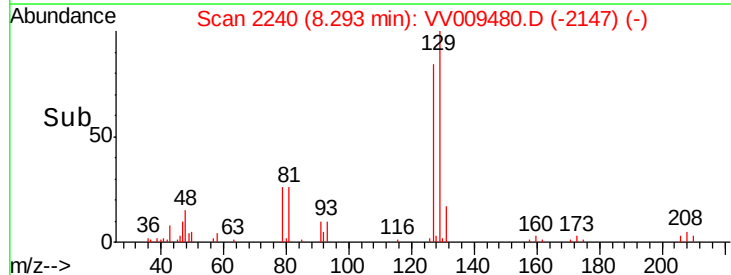
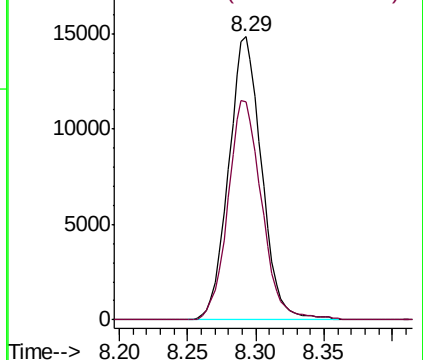


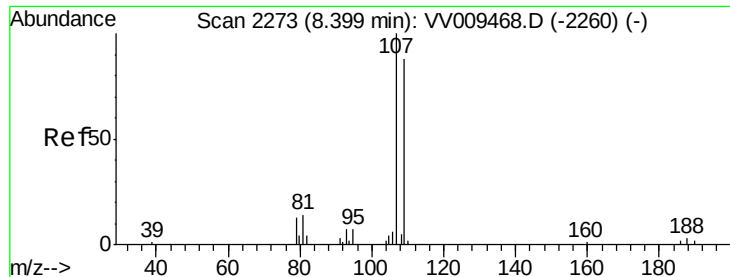
#49
Dibromochloromethane
Concen: 4.990 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Tgt Ion:	129	Resp:	24921
Ion	Ratio	Lower	Upper
129	100		
127	77.1	52.4	97.4



Abundance Ion 128.95 (128.65 to 129.65): VV009480.D (-2227) (-)
Ion 126.90 (126.60 to 127.60): VV009480.D (-2227) (-)

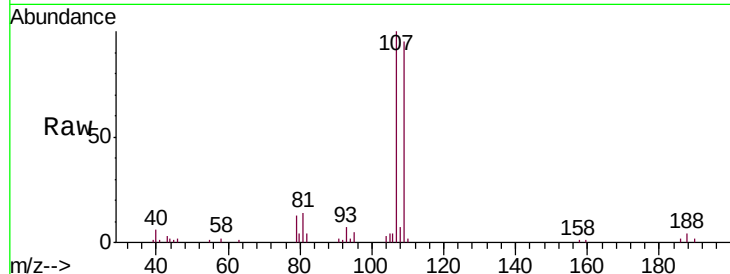




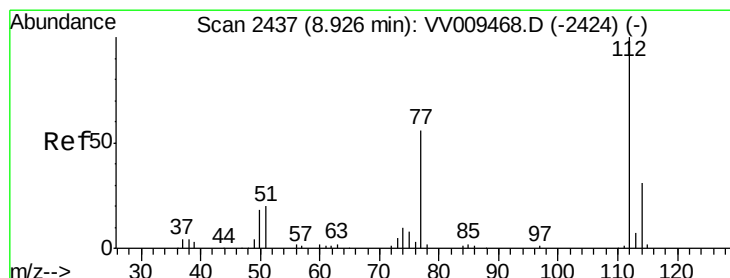
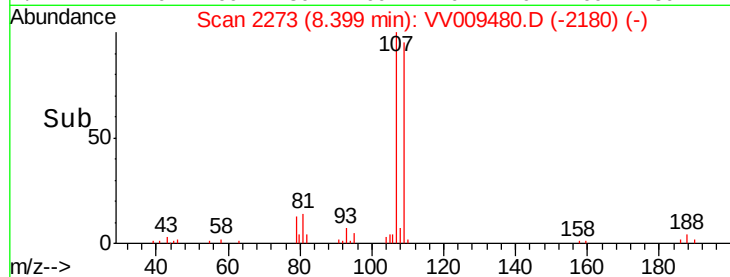
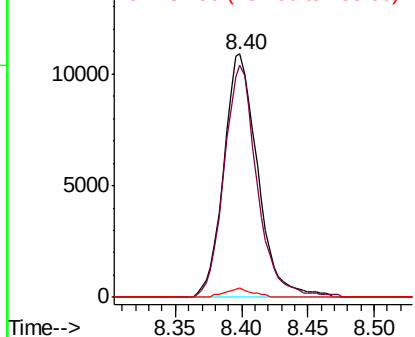
#50
1,2-Dibromoethane
Concen: 5.163 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD00571

Tgt Ion:107 Resp: 19447
Ion Ratio Lower Upper
107 100
109 95.5 61.8 114.8
188 3.7 2.4 3.6#

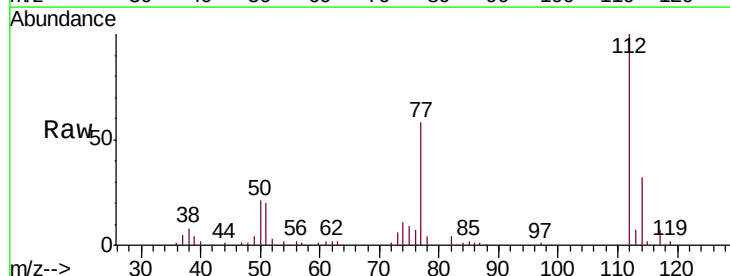


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

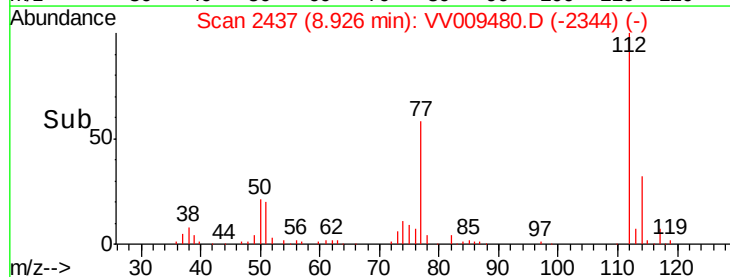
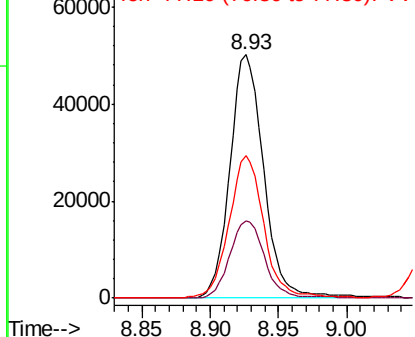


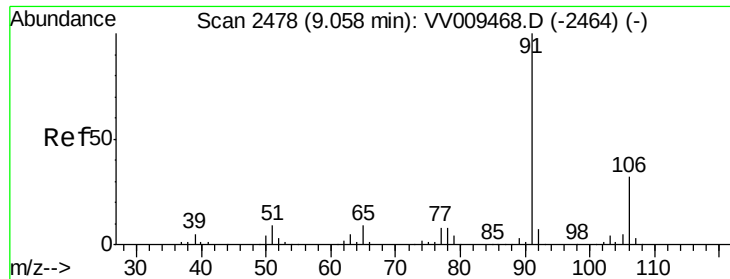
#51
Chlorobenzene
Concen: 5.069 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Tgt Ion:112 Resp: 86005
Ion Ratio Lower Upper
112 100
114 31.8 21.8 40.4
77 58.3 45.0 67.4



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: 5.212 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

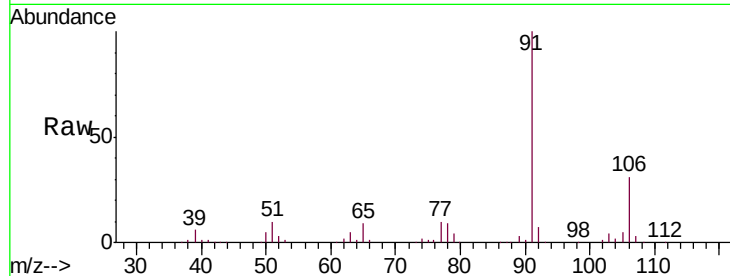
VSTD00571

Tgt Ion: 91 Resp: 153783

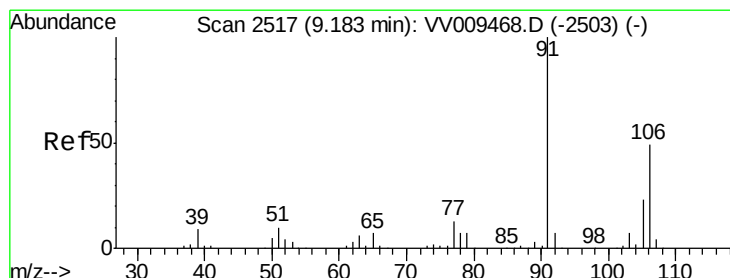
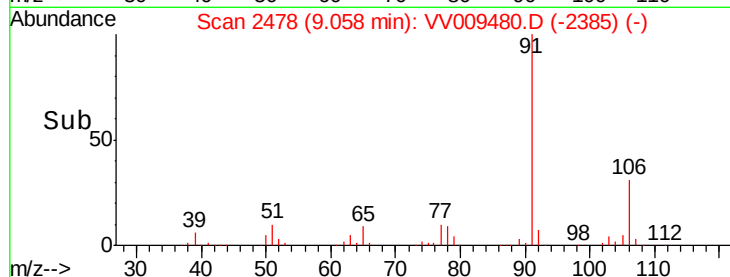
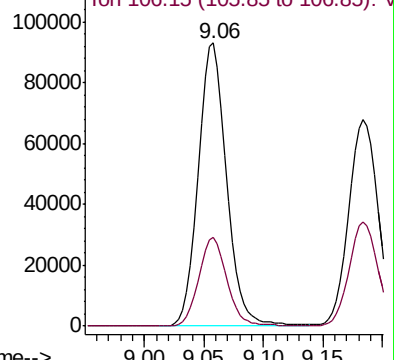
Ion Ratio Lower Upper

91 100

106 31.3 22.7 42.1



Abundance Ion 91.15 (90.85 to 91.85): VV009480.D (-2464) (-)



#53

m,p-xylene

Concen: 5.329 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009480.D

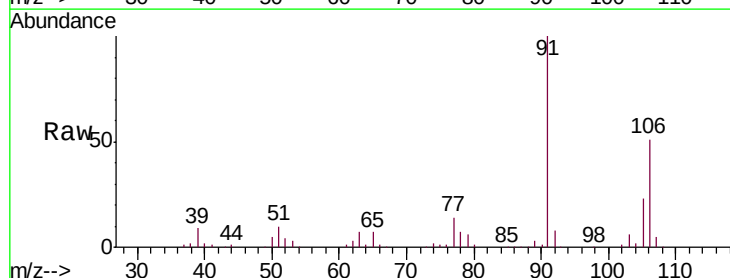
Acq: 04 Mar 2019 19:26

Tgt Ion: 106 Resp: 59764

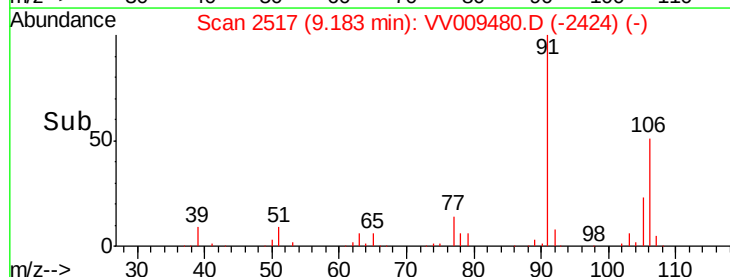
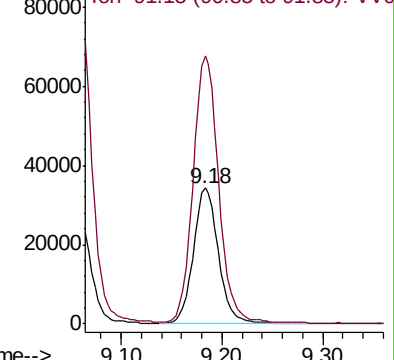
Ion Ratio Lower Upper

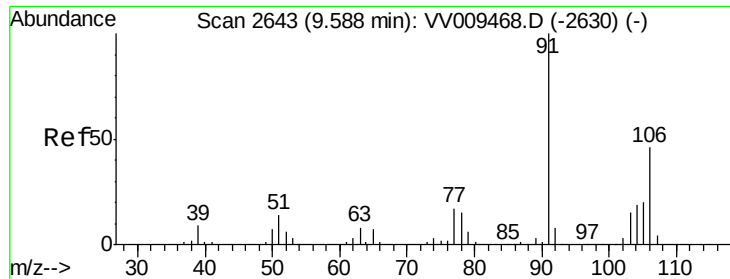
106 100

91 197.2 143.2 266.0



Abundance Ion 106.15 (105.85 to 106.85): VV009480.D (-2503) (-)

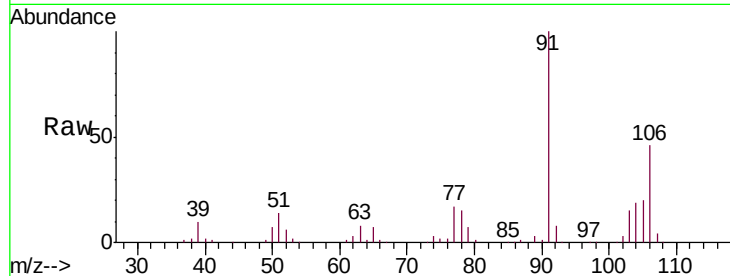




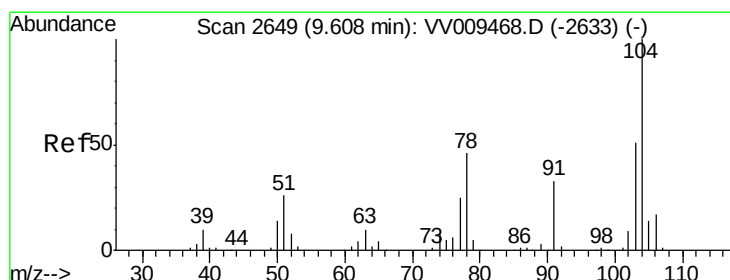
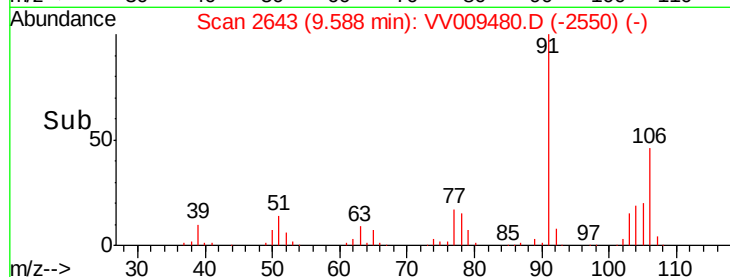
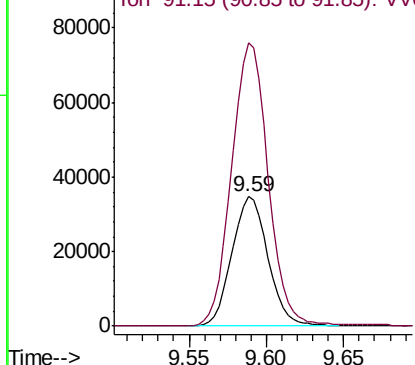
#54
o-xylene
Concen: 5.104 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Instrument :
MSVOA_V
ClientSampled :
VSTD00571

Tgt Ion:106 Resp: 56386
Ion Ratio Lower Upper
106 100
91 218.4 152.9 283.9

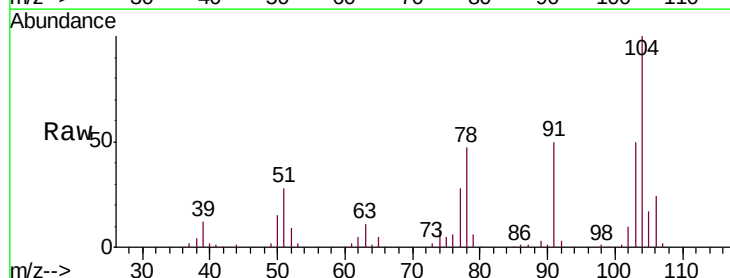


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

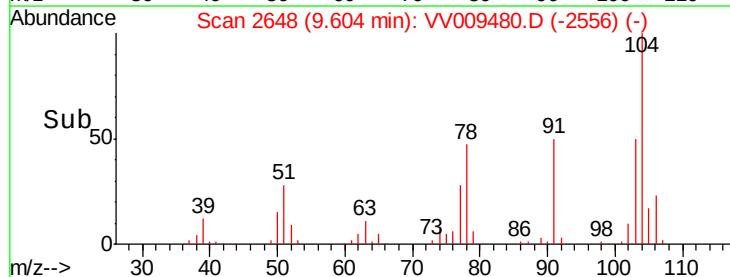
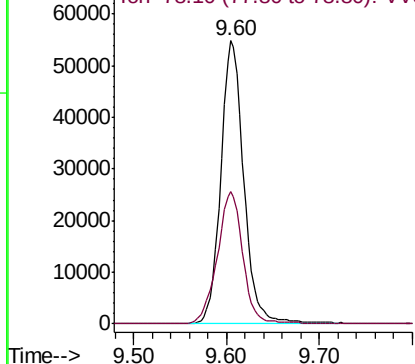


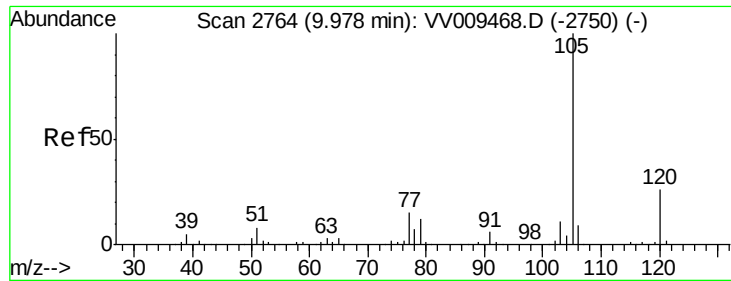
#55
Styrene
Concen: 5.293 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009480.D
Acq: 04 Mar 2019 19:26

Tgt Ion:104 Resp: 94743
Ion Ratio Lower Upper
104 100
78 46.8 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.177 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampled :

VSTD00571

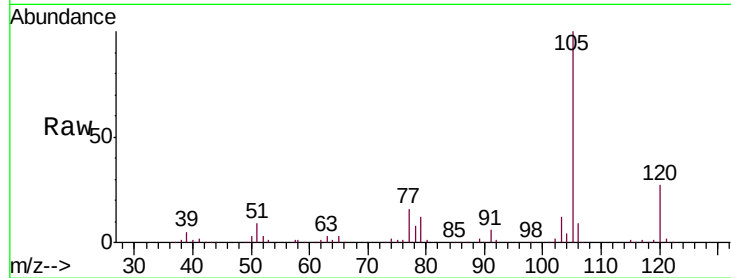
Tgt Ion: 105 Resp: 155244

Ion Ratio Lower Upper

105 100

120 26.8 21.4 32.2

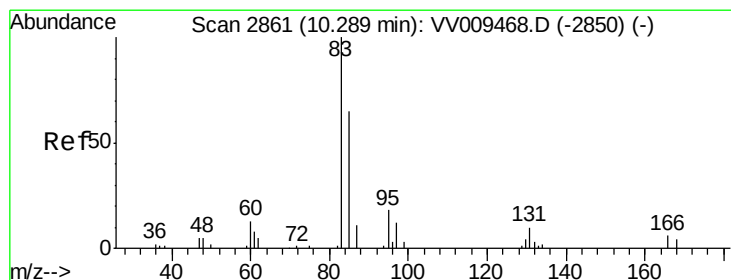
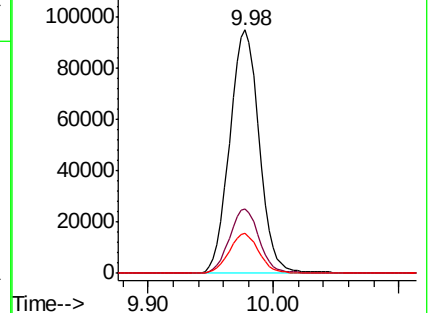
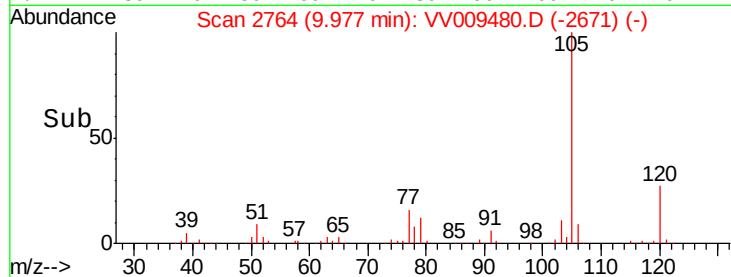
77 16.5 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.257 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

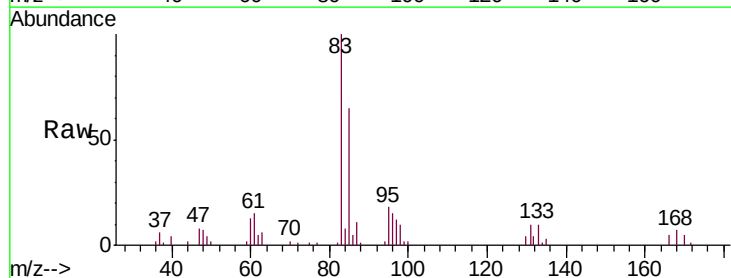
Tgt Ion: 83 Resp: 25044

Ion Ratio Lower Upper

83 100

85 65.0 45.8 85.2

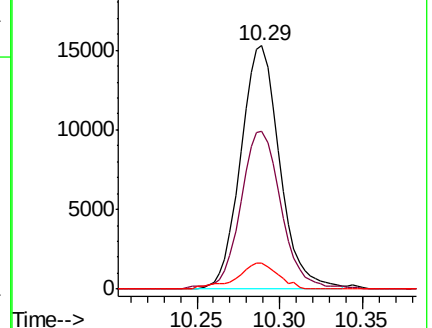
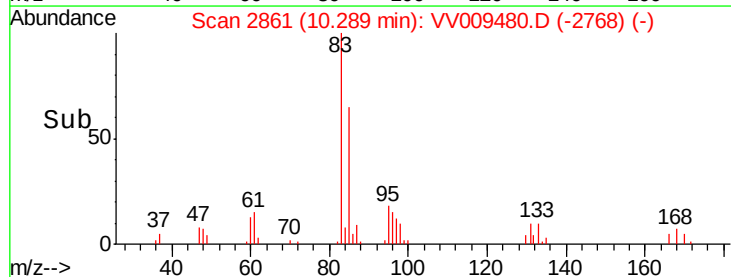
131 10.4 9.0 13.4

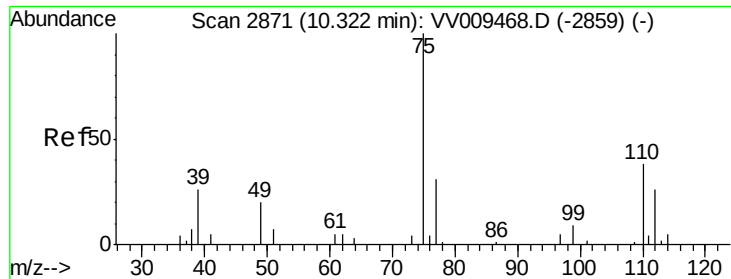


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.228 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampled :

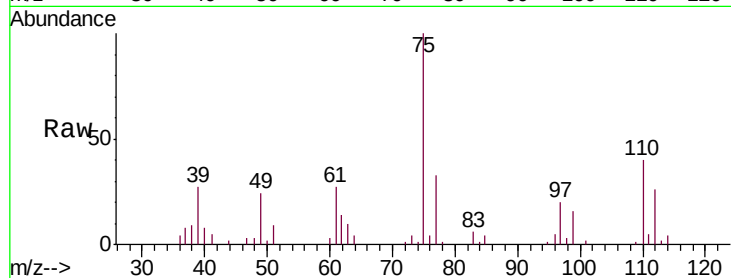
VSTD00571

Tgt Ion: 75 Resp: 17511

Ion Ratio Lower Upper

75 100

77 32.8 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV009480.D (-2778) (-)

Ion 77.00 (76.70 to 77.70): VV009480.D (-2778) (-)

10.32

12000

10000

8000

6000

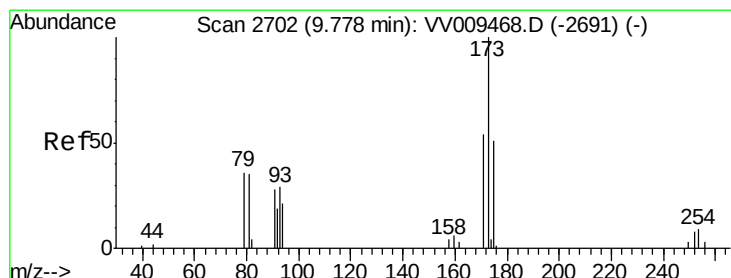
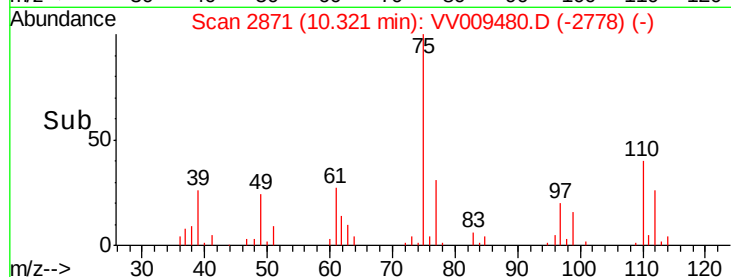
4000

2000

0

Time-->

10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 4.740 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

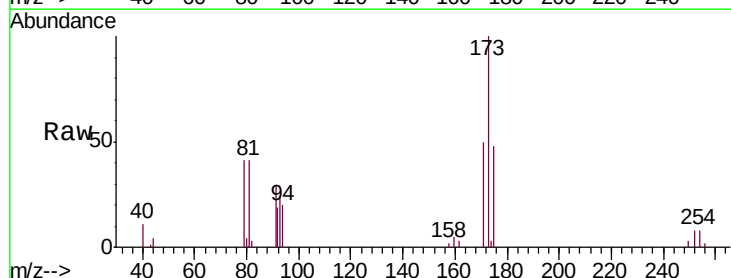
Tgt Ion: 173 Resp: 12050

Ion Ratio Lower Upper

173 100

175 47.2 40.0 60.0

254 7.7 6.2 9.2



Abundance Ion 172.90 (172.60 to 173.60): VV009480.D (-2609) (-)

Ion 174.90 (174.60 to 175.60): VV009480.D (-2609) (-)

Ion 253.75 (253.45 to 254.45): VV009480.D (-2609) (-)

9.78

10000

8000

6000

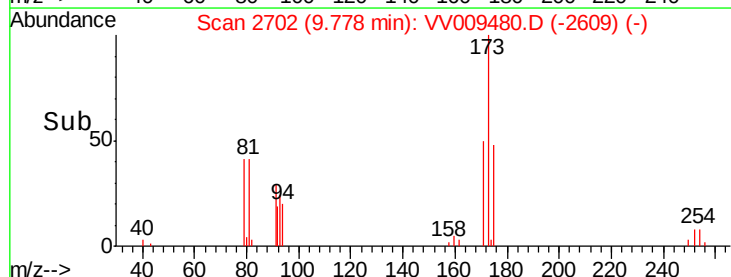
4000

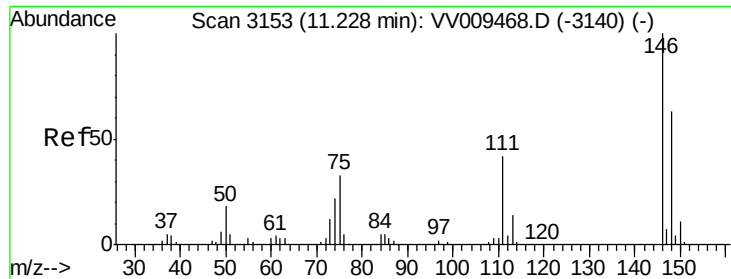
2000

0

Time-->

9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 5.197 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

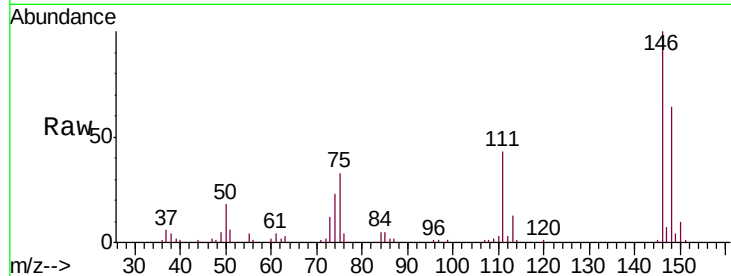
Tgt Ion:146 Resp: 68526

Ion Ratio Lower Upper

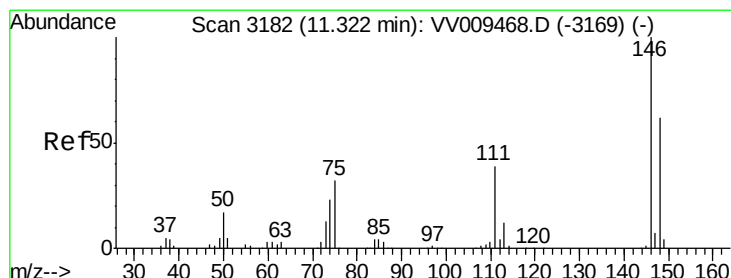
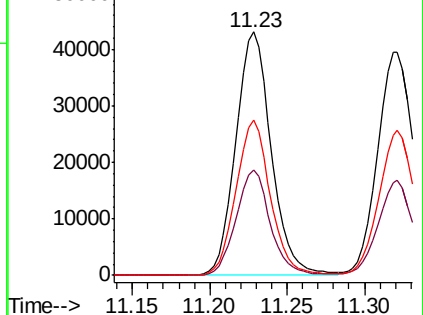
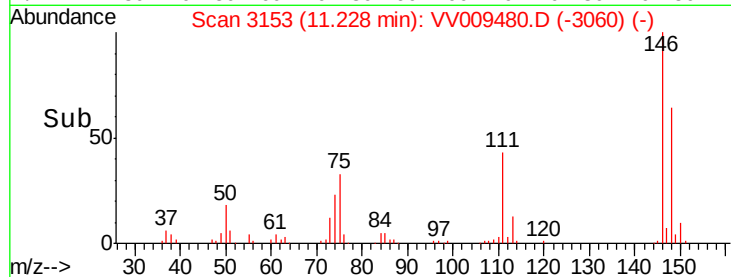
146 100

111 43.1 29.7 55.1

148 63.8 44.2 82.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.052 ug/L

RT: 11.32 min Scan# 3182

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

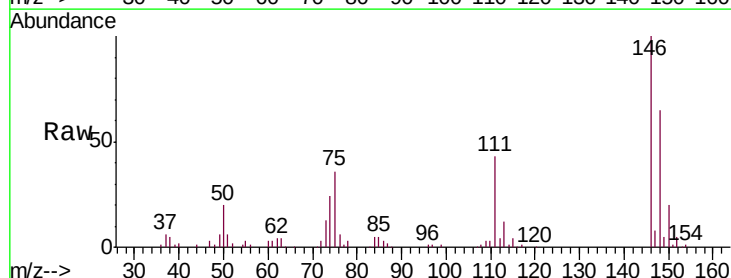
Tgt Ion:146 Resp: 67027

Ion Ratio Lower Upper

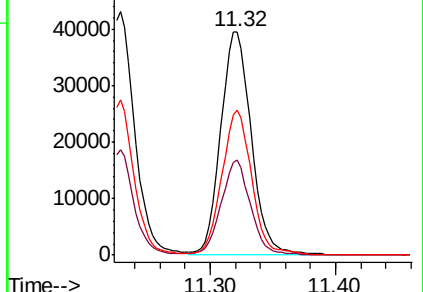
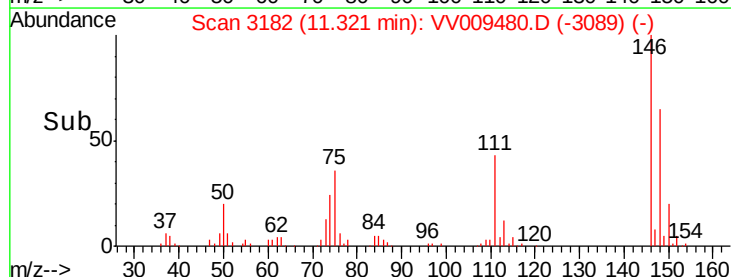
146 100

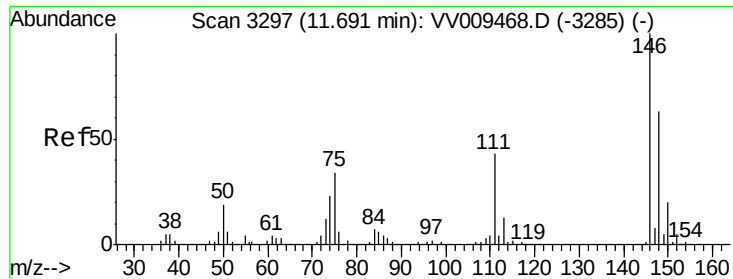
111 42.7 27.4 51.0

148 65.0 43.6 81.0



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

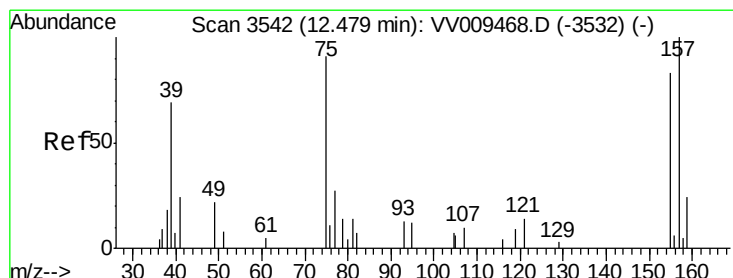
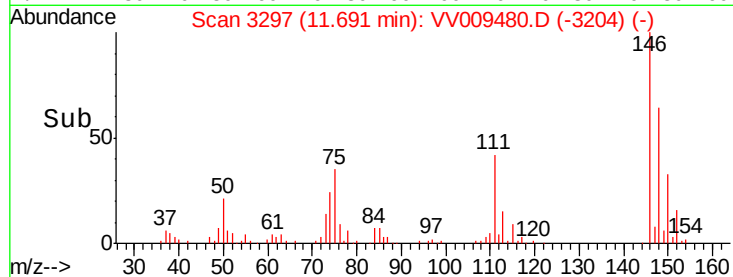
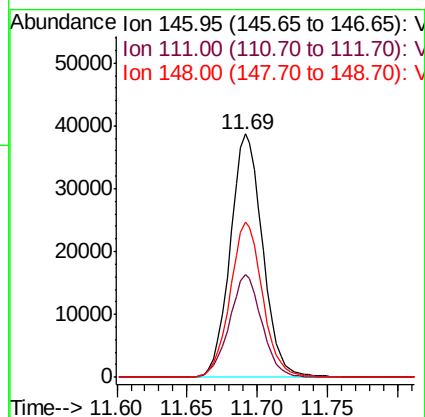
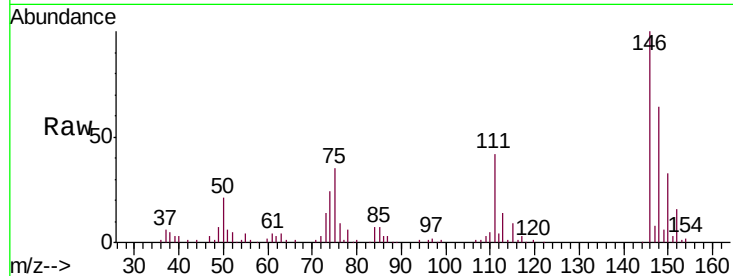




#65
 1,2-Dichlorobenzene
 Concen: 5.059 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

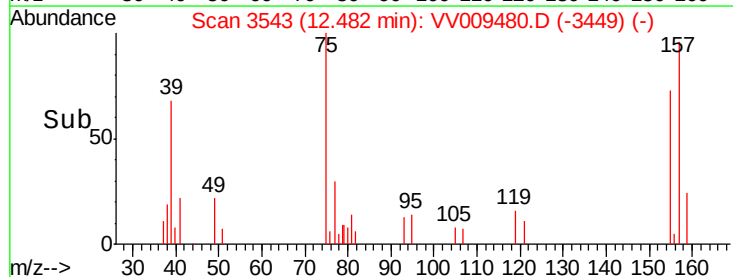
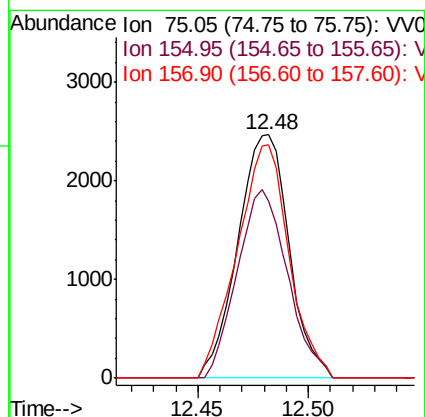
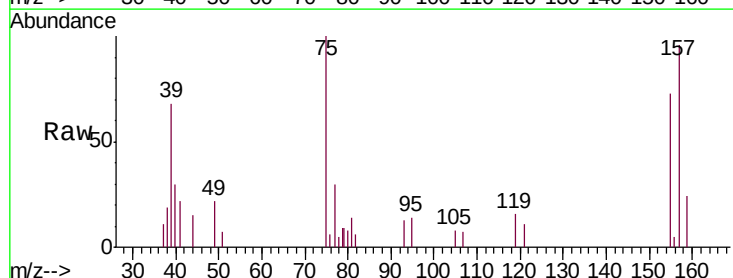
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

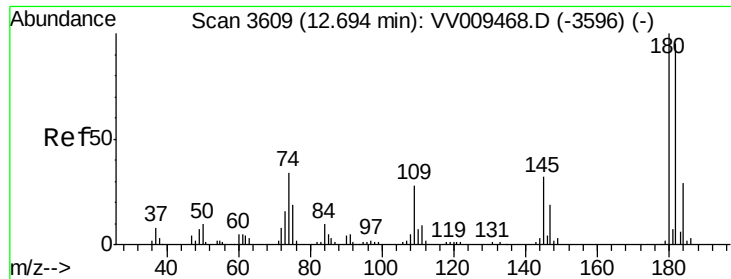
Tgt Ion: 146 Resp: 62098
 Ion Ratio Lower Upper
 146 100
 111 42.3 34.7 52.1
 148 63.7 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 5.086 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Tgt Ion: 75 Resp: 3993
 Ion Ratio Lower Upper
 75 100
 155 72.7 73.5 110.3#
 157 95.7 88.3 132.5

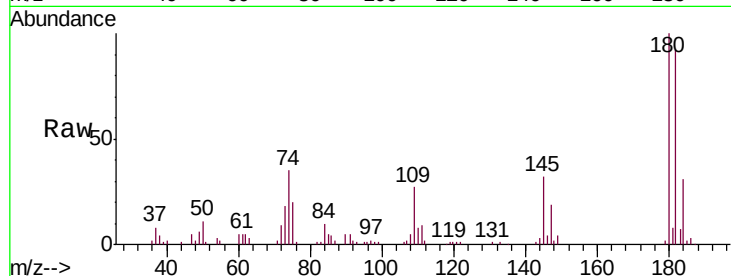




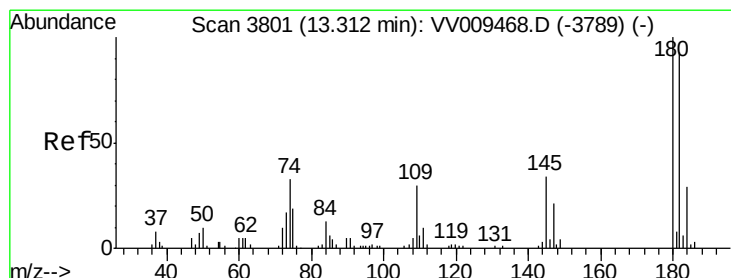
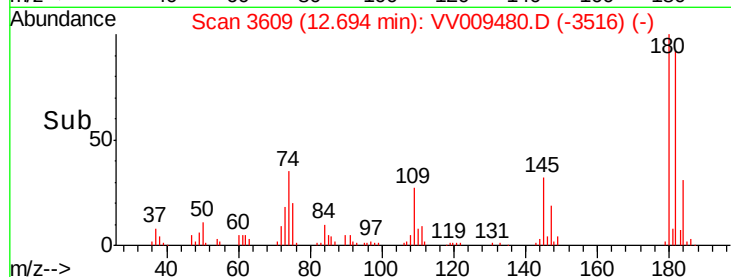
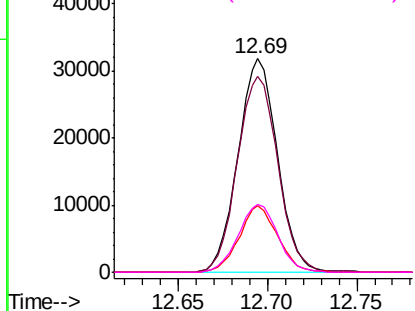
#67
 1,3,5-Trichlorobenzene
 Concen: 5.002 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00571

Tgt Ion:180 Resp: 48783
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.0 112.6
 184 30.3 23.9 35.9
 145 31.8 25.3 37.9

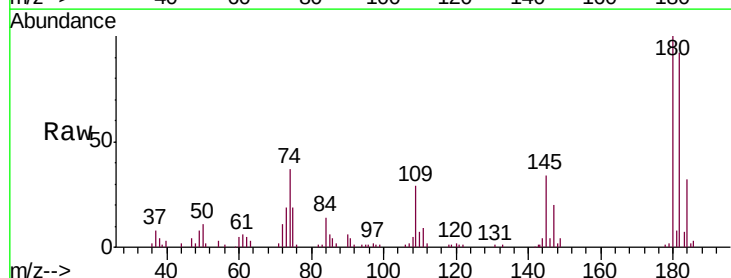


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

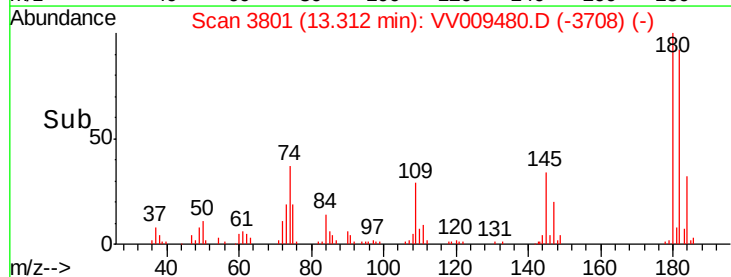
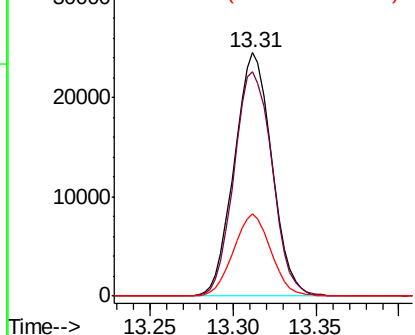


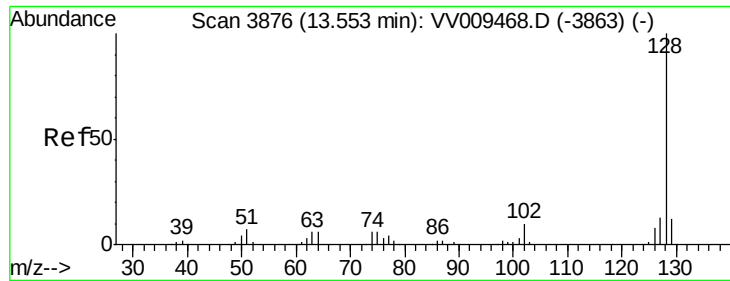
#68
 1,2,4-trichlorobenzene
 Concen: 5.015 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009480.D
 Acq: 04 Mar 2019 19:26

Tgt Ion:180 Resp: 38484
 Ion Ratio Lower Upper
 180 100
 182 94.2 75.2 112.8
 145 33.6 26.6 39.8



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





#69

Naphthalene

Concen: 4.754 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD00571

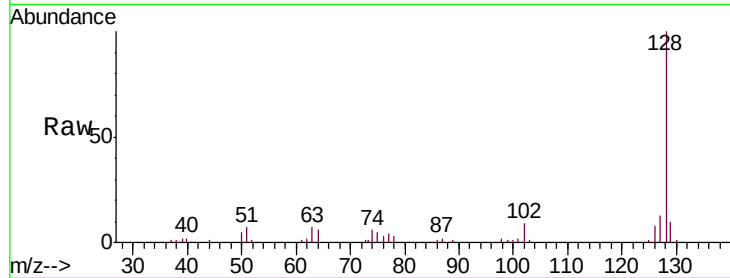
Tgt Ion:128 Resp: 60951

Ion Ratio Lower Upper

128 100

129 10.6 8.9 13.3

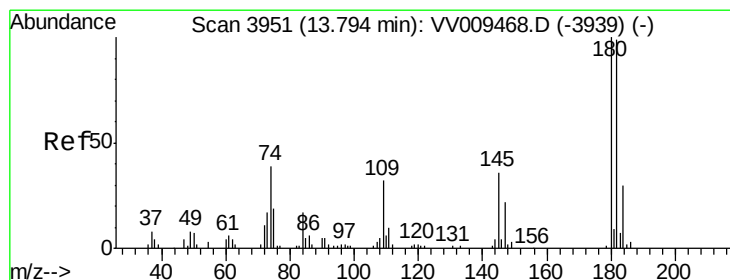
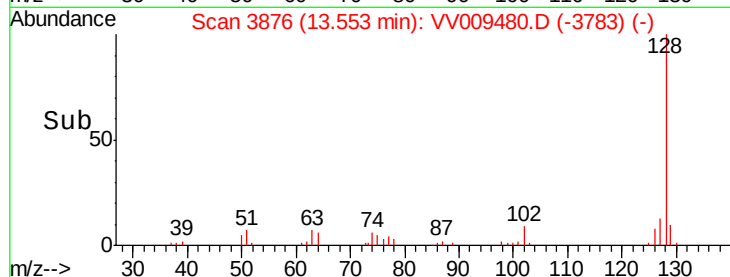
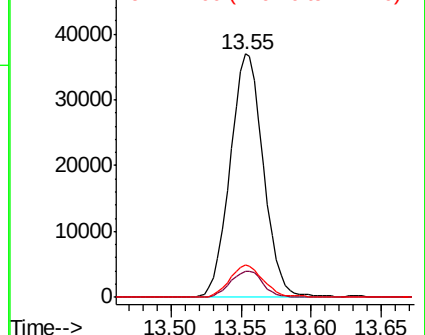
127 13.1 10.4 15.6



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: 5.047 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009480.D

Acq: 04 Mar 2019 19:26

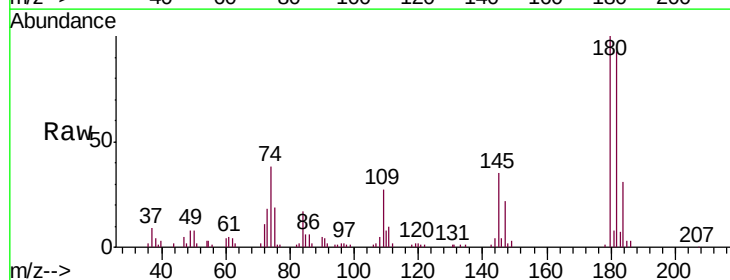
Tgt Ion:180 Resp: 34957

Ion Ratio Lower Upper

180 100

182 93.1 76.8 115.2

145 34.3 28.2 42.2



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

