

Data File : VV009820.D
Acq On : 22 Mar 2019 11:57
Operator : SY/MD
Sample : VSTDCCC005
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Quant Time: Mar 23 03:43:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 22 08:14:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	126053	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	121709	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	59774	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	65668	4.31	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.20%
7) Chloroethane-d5	1.59	69	60440	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	91.20%
11) 1,1-Dichloroethene-d2	2.13	63	171242	4.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	94.80%
20) 2-Butanone-d5	3.97	46	85025	48.23	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	96.46%
24) Chloroform-d	4.40	84	72217	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
26) 1,2-Dichloroethane-d4	5.08	65	35650	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.10	84	146943	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.12	67	43788	4.65	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	93.00%
41) Toluene-d8	7.36	98	140675	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	91.00%
43) trans-1,3-Dichloropropene-	7.66	79	15937	4.53	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.60%
46) 2-Hexanone-d5	8.14	63	73097	48.86	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.72%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	34996	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	48037	4.42	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	88.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	49047	4.313 ug/L	94
3) Chloromethane	1.25	50	77569	4.668 ug/L	100
5) Vinyl chloride	1.32	62	84179	4.602 ug/L	99
6) Bromomethane	1.54	94	52985	4.739 ug/L	99
8) Chloroethane	1.60	64	55858	4.400 ug/L	98
9) Trichlorofluoromethane	1.77	101	226163	5.913 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	94489	4.992 ug/L	96
12) 1,1-Dichloroethene	2.14	96	79934	4.755 ug/L	94
13) Acetone	2.23	43	111945	49.020 ug/L #	50
14) Carbon disulfide	2.32	76	211065	4.541 ug/L	98
15) Methyl Acetate	2.47	43	28426	5.240 ug/L	100
16) Methylene chloride	2.53	84	81263	4.275 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	184516	4.752 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	83915	4.646 ug/L	88
19) 1,1-Dichloroethane	3.23	63	145898	4.653 ug/L	98
21) 2-Butanone	4.06	43	84692	47.201 ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	38514	4.408 ug/L	91

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ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Quant Time: Mar 23 03:43:21 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR032119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Mar 22 08:14:34 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	15748	4.445	ug/L	87
25) Chloroform	4.43	83	68336	4.473	ug/L	99
27) 1,2-Dichloroethane	5.18	62	41221	4.434	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	57778	4.399	ug/L	98
30) Cyclohexane	4.72	56	60754	4.462	ug/L	97
31) Carbon tetrachloride	4.87	117	50751	4.487	ug/L	96
33) Benzene	5.14	78	159241	4.659	ug/L	100
34) Trichloroethene	5.95	95	38908	4.500	ug/L	95
35) Methylcyclohexane	6.17	83	66885	4.520	ug/L	99
37) 1,2-Dichloropropane	6.22	63	37289	4.364	ug/L #	95
38) Bromodichloromethane	6.56	83	43697	4.325	ug/L	94
39) cis-1,3-Dichloropropene	7.07	75	49387	4.273	ug/L	99
40) 4-Methyl-2-pentanone	7.28	43	226931	45.452	ug/L	95
42) Toluene	7.43	91	176583	4.565	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	38625	4.180	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	27547	4.736	ug/L	90
47) Tetrachloroethene	8.02	164	31481	4.216	ug/L	95
48) 2-Hexanone	8.19	43	167829	47.779	ug/L	99
49) Dibromochloromethane	8.29	129	27674	4.116	ug/L	87
50) 1,2-Dibromoethane	8.40	107	24588	4.527	ug/L	100
51) Chlorobenzene	8.92	112	109192	4.409	ug/L	98
52) Ethylbenzene	9.05	91	187785	4.407	ug/L	98
53) m,p-xylene	9.18	106	73386	4.532	ug/L	100
54) o-xylene	9.59	106	70161	4.435	ug/L	93
55) Styrene	9.60	104	116857	4.543	ug/L	96
56) Isopropylbenzene	9.97	105	185489	4.441	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	32331	4.487	ug/L #	97
59) 1,2,3-Trichloropropane	10.32	75	21589	4.350	ug/L	100
61) Bromoform	9.77	173	13150	4.160	ug/L #	95
62) 1,3-Dichlorobenzene	11.23	146	77912	4.096	ug/L	96
63) 1,4-Dichlorobenzene	11.32	146	83659	4.347	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	79338	4.432	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	3777	3.945	ug/L	86
67) 1,3,5-Trichlorobenzene	12.69	180	61387	4.263	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	47732	4.422	ug/L	97
69) Naphthalene	13.55	128	69526	4.102	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	43304	4.322	ug/L	98

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

Data File : VV009820.D

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Operator : SY/MD

Sample : VSTDCCC005

Misc : 25.0mL/MSVOA V/WATER

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ALS Vial      : 2      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

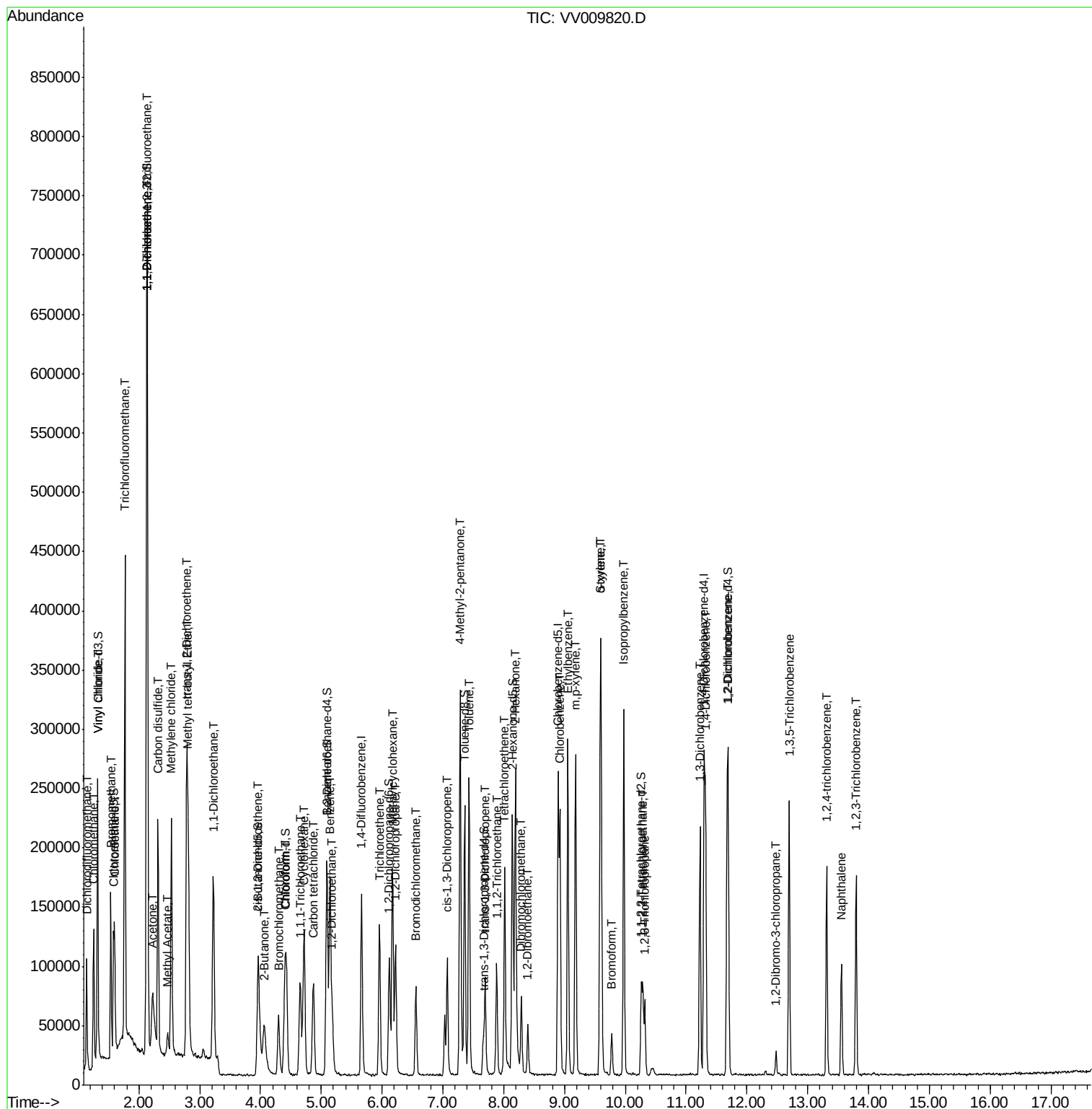
Quant Time: Mar 23 03:43:21 2019

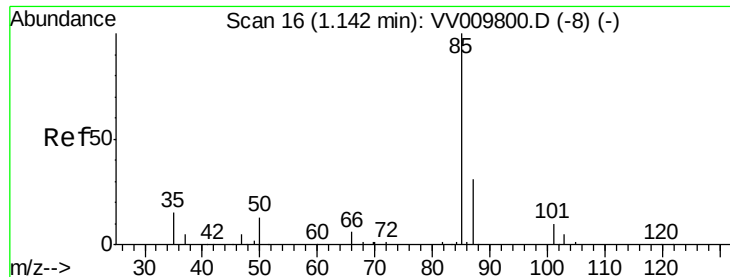
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR032119WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Mar 22 08:14:34 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 4.313 ug/L

RT: 1.14 min Scan# 16

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

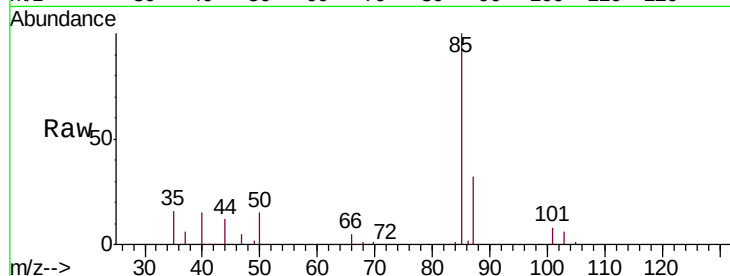
VSTD00539

Tgt Ion: 85 Resp: 49047

Ion Ratio Lower Upper

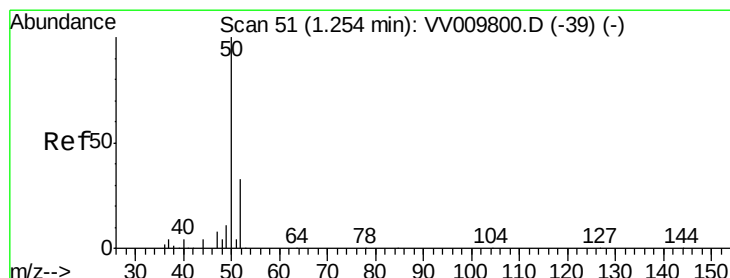
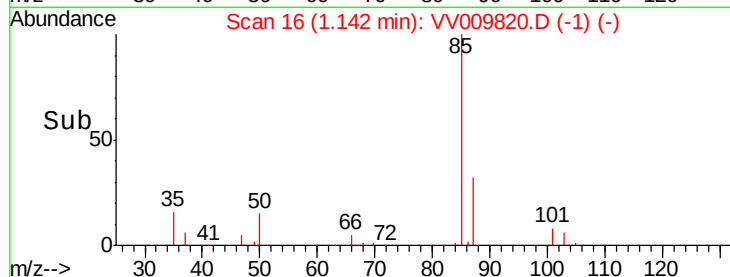
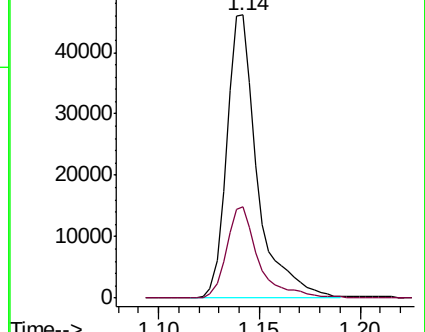
85 100

87 33.6 24.4 36.6



Abundance Ion 85.00 (84.70 to 85.70): VV009820.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009820.D (-8) (-)



#3

Chloromethane

Concen: 4.668 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV009820.D

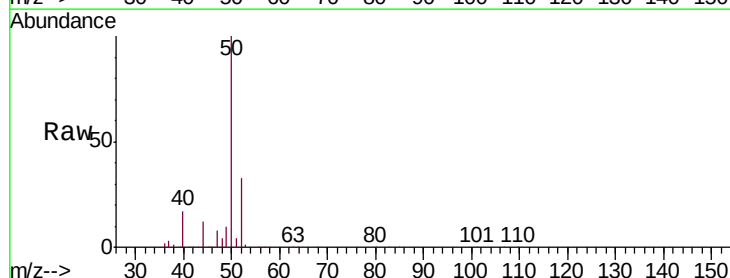
Acq: 22 Mar 2019 11:57

Tgt Ion: 50 Resp: 77569

Ion Ratio Lower Upper

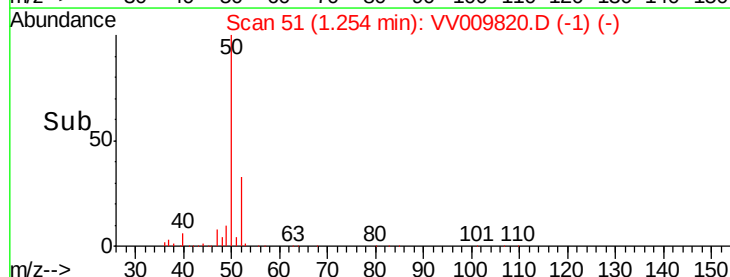
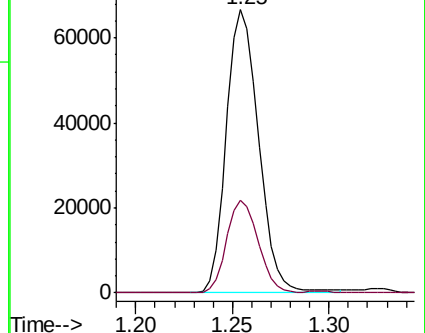
50 100

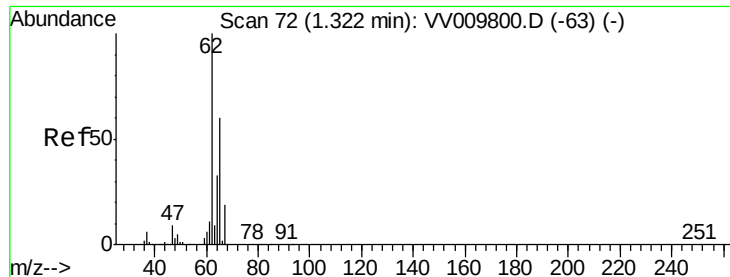
52 32.6 22.9 42.5



Abundance Ion 50.05 (49.75 to 50.75): VV009820.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV009820.D (-39) (-)





#5

Vinyl chloride

Concen: 4.602 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

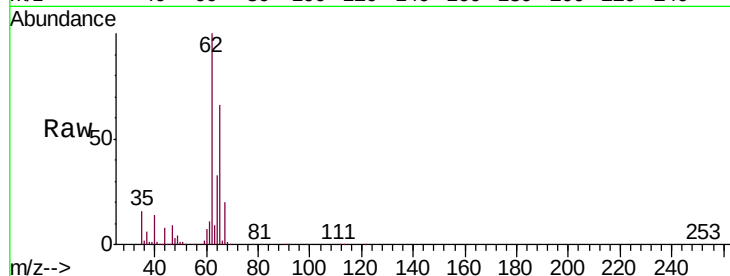
VSTD00539

Tgt Ion: 62 Resp: 84179

Ion Ratio Lower Upper

62 100

64 33.1 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV009820.D (-63) (-)

Ion 64.10 (63.80 to 64.80): VV009820.D (-63) (-)

80000

60000

40000

20000

0

1.32

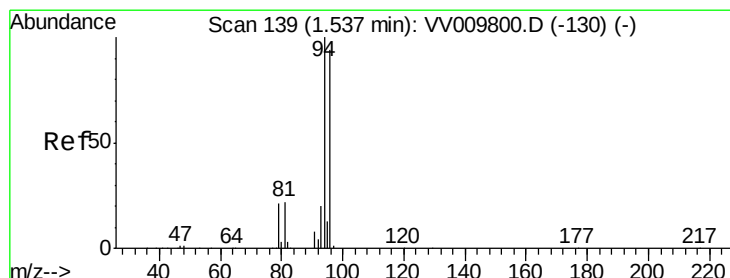
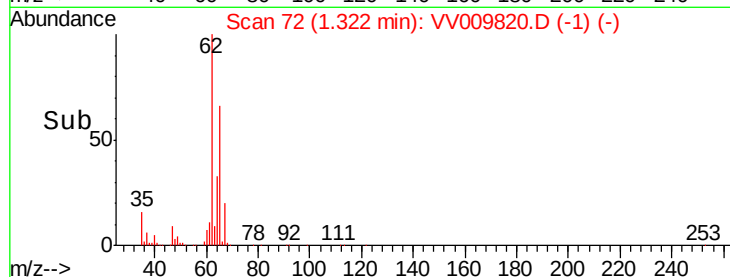
1.25

1.30

1.35

1.40

Time-->



#6

Bromomethane

Concen: 4.739 ug/L

RT: 1.54 min Scan# 139

Delta R.T. -0.00 min

Lab File: VV009820.D

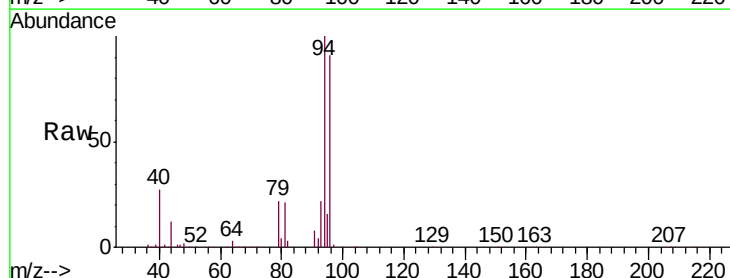
Acq: 22 Mar 2019 11:57

Tgt Ion: 94 Resp: 52985

Ion Ratio Lower Upper

94 100

96 91.4 64.6 120.0



Abundance Ion 94.00 (93.70 to 94.70): VV009820.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009820.D (-130) (-)

50000

40000

30000

20000

10000

0

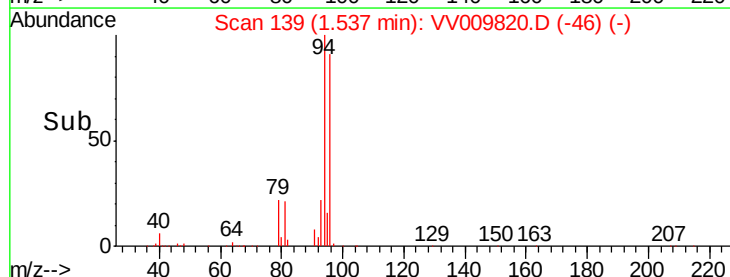
1.54

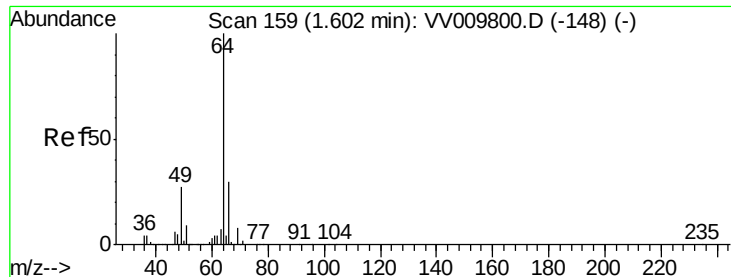
1.50

1.55

1.60

Time-->





#8

Chloroethane

Concen: 4.400 ug/L

RT: 1.60 min Scan# 159

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

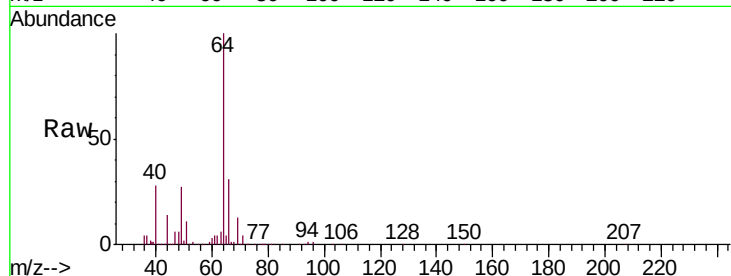
VSTD00539

Tgt Ion: 64 Resp: 55858

Ion Ratio Lower Upper

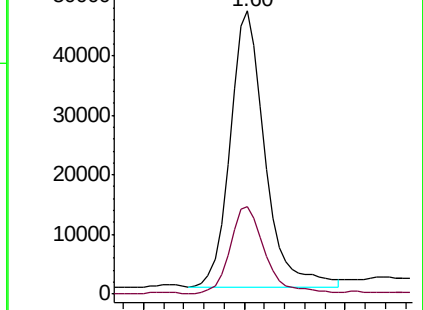
64 100

66 31.1 22.4 41.6

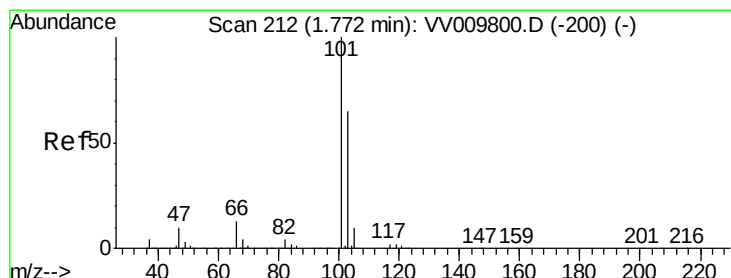
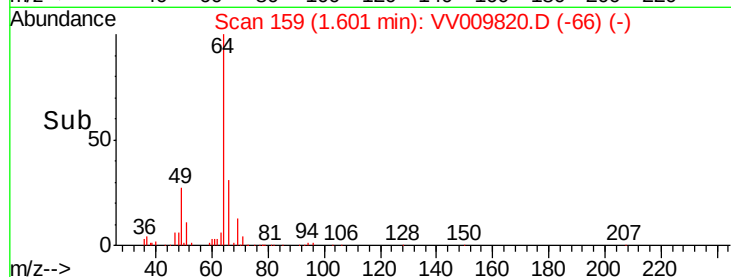


Abundance Ion 64.10 (63.80 to 64.80): VV009820.D (-148) (-)

Ion 66.05 (65.75 to 66.75): VV009820.D (-148) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 5.913 ug/L

RT: 1.77 min Scan# 211

Delta R.T. -0.00 min

Lab File: VV009820.D

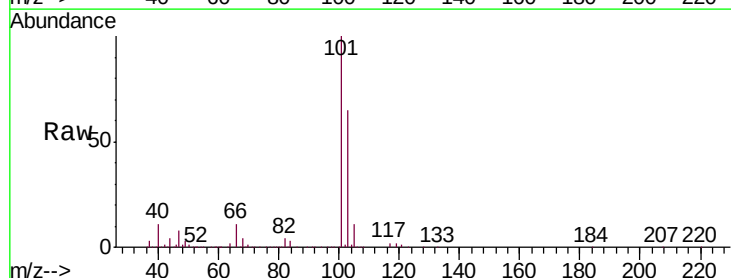
Acq: 22 Mar 2019 11:57

Tgt Ion: 101 Resp: 226163

Ion Ratio Lower Upper

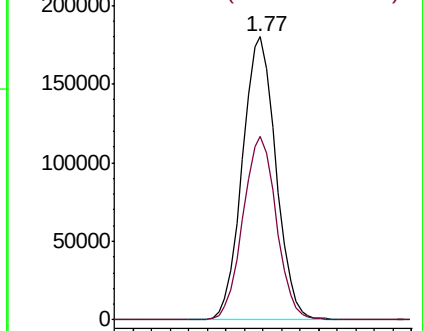
101 100

103 64.9 52.3 78.5

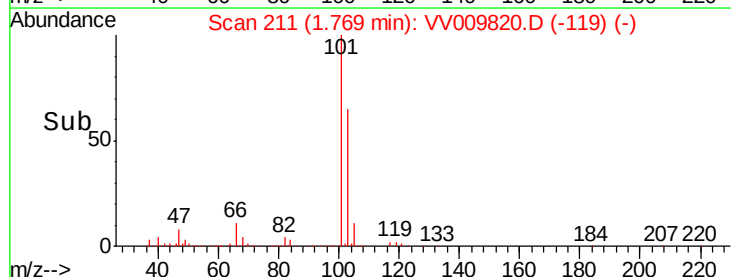


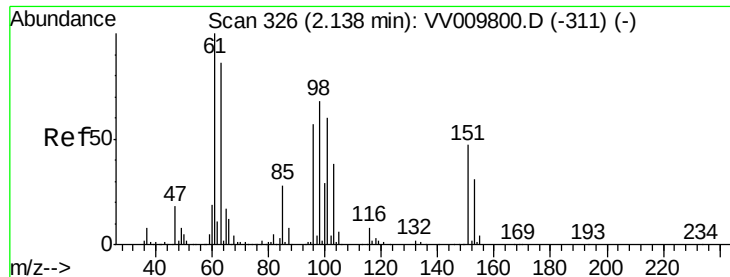
Abundance Ion 101.00 (100.70 to 101.70): VV009820.D (-200) (-)

Ion 103.00 (102.70 to 103.70): VV009820.D (-200) (-)



Time-->





#10

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

Concen: 4.992 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

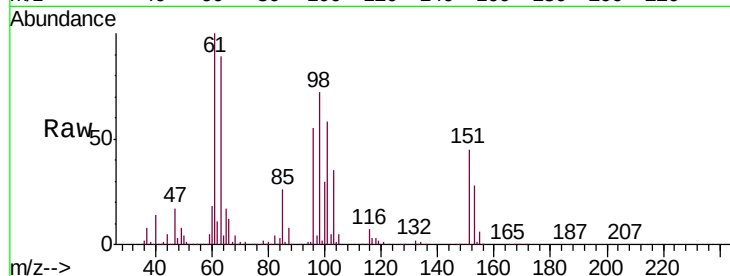
Tgt Ion:101 Resp: 94489

Ion Ratio Lower Upper

101 100

85 45.3 39.2 58.8

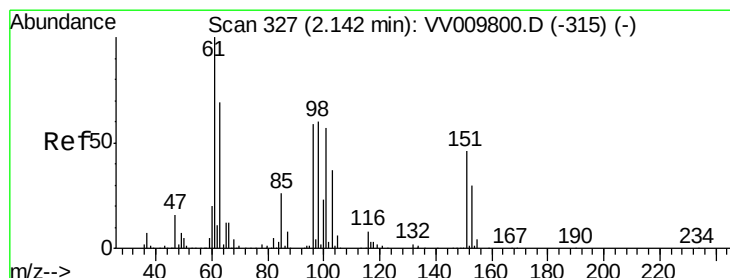
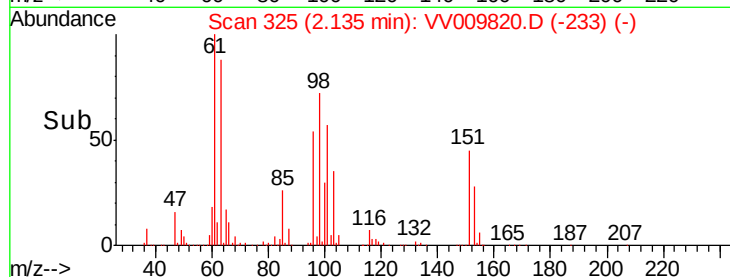
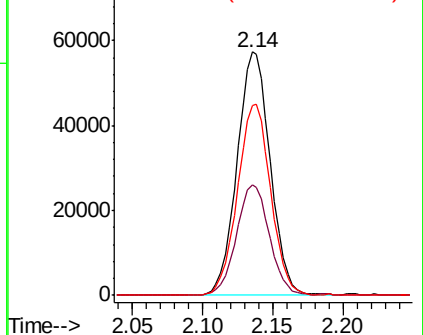
151 78.7 61.1 91.7



Abundance Ion 101.00 (100.70 to 101.70): VV009820.D (-233) (-)

Ion 85.00 (84.70 to 85.70): VV009820.D (-233) (-)

Ion 151.00 (150.70 to 151.70): VV009820.D (-233) (-)



#12

1,1-Dichloroethene

Concen: 4.755 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

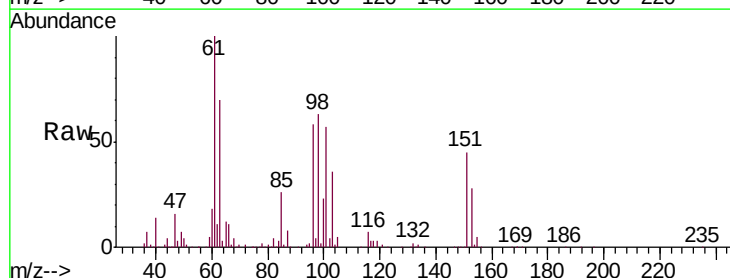
Tgt Ion: 96 Resp: 79934

Ion Ratio Lower Upper

96 100

61 172.7 127.1 236.0

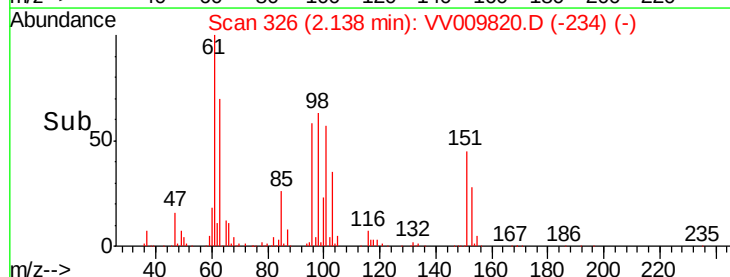
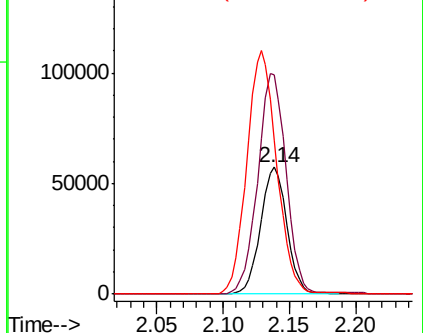
63 121.5 88.8 164.8

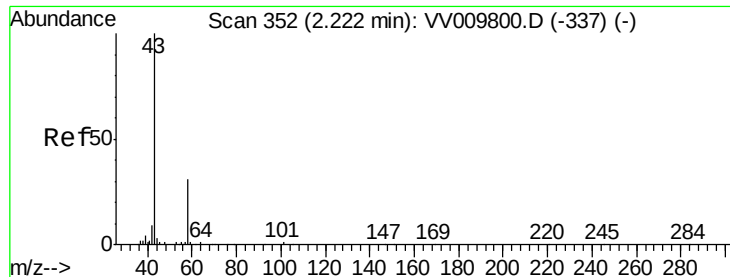


Abundance Ion 96.00 (95.70 to 96.70): VV009820.D (-234) (-)

Ion 61.05 (60.75 to 61.75): VV009820.D (-234) (-)

Ion 63.00 (62.70 to 63.70): VV009820.D (-234) (-)





#13

Acetone

Concen: 49.020 ug/L

RT: 2.23 min Scan# 354

Delta R.T. 0.01 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

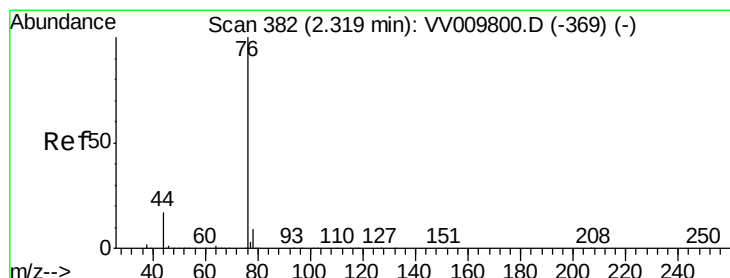
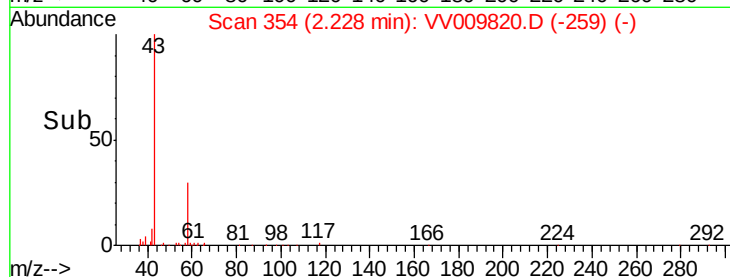
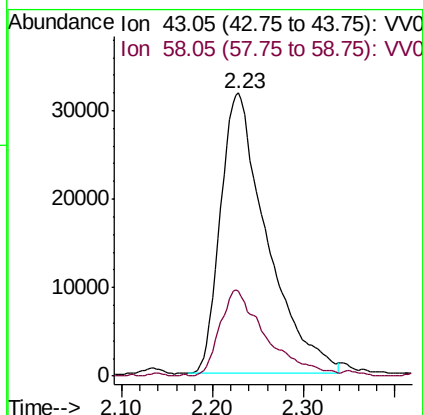
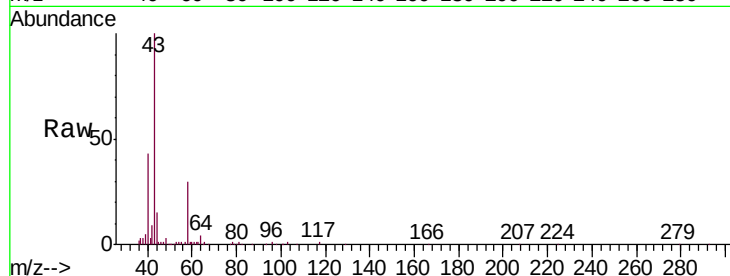
VSTD00539

Tgt Ion: 43 Resp: 111945

Ion Ratio Lower Upper

43 100

58 30.9 0.0 23.0#



#14

Carbon disulfide

Concen: 4.541 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009820.D

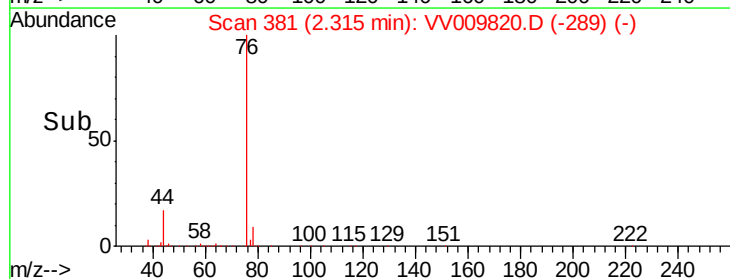
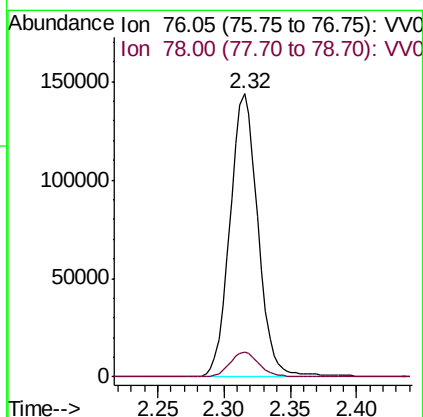
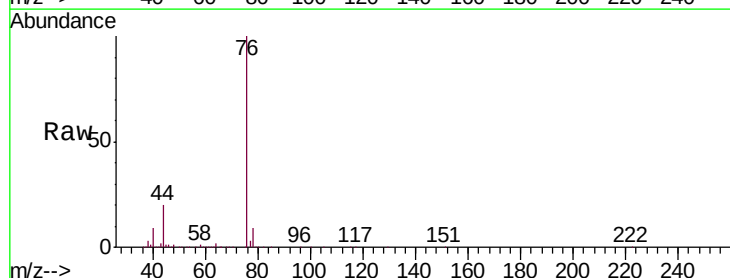
Acq: 22 Mar 2019 11:57

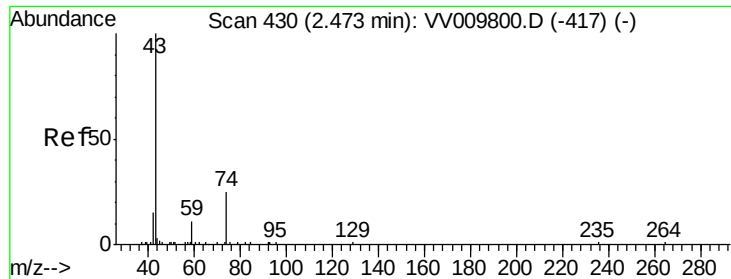
Tgt Ion: 76 Resp: 211065

Ion Ratio Lower Upper

76 100

78 8.9 7.7 11.5

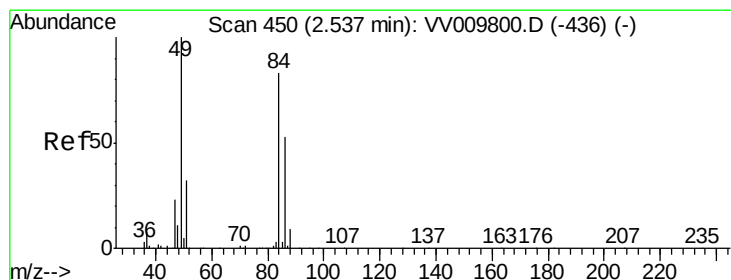
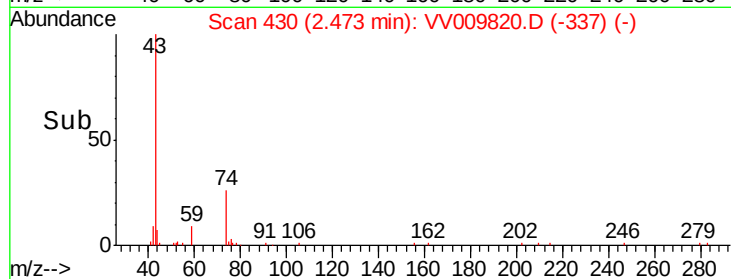
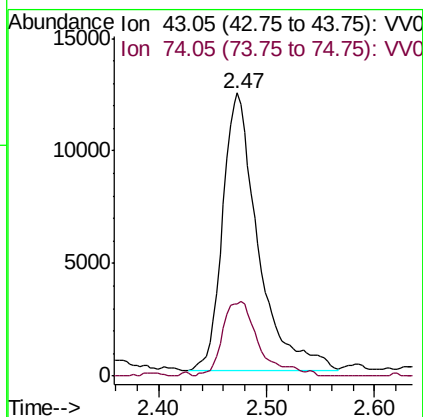
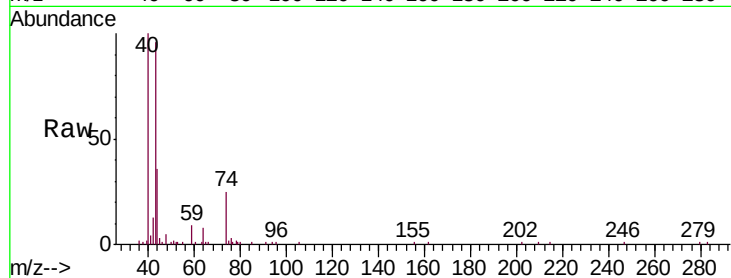




#15
Methyl Acetate
Concen: 5.240 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

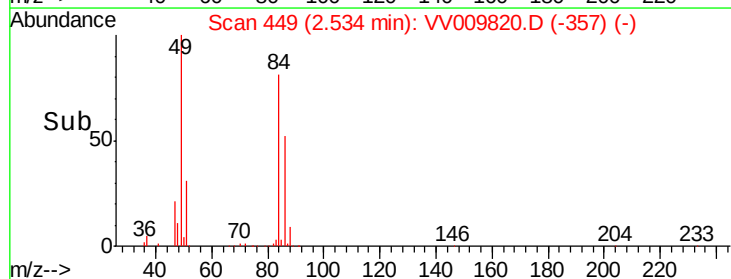
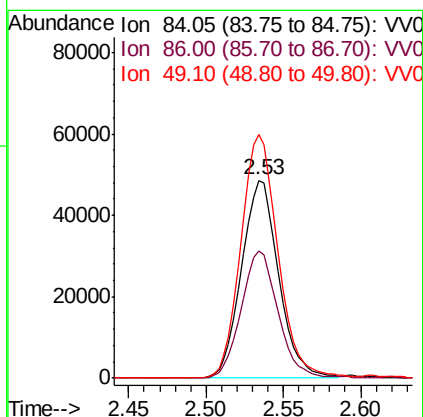
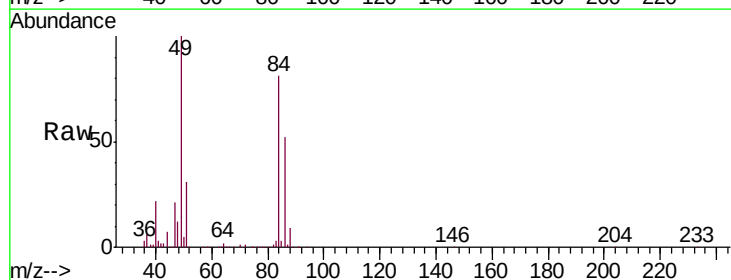
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

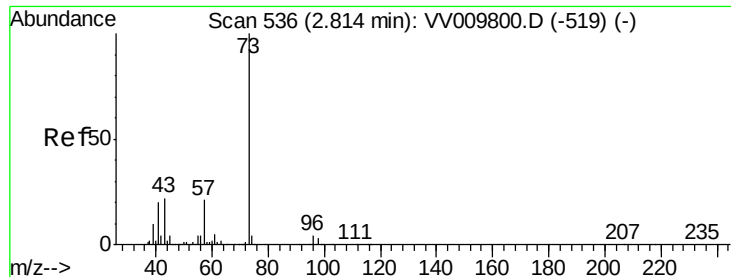
Tgt Ion: 43 Resp: 28426
Ion Ratio Lower Upper
43 100
74 27.1 21.8 32.6



#16
Methylene chloride
Concen: 4.275 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

Tgt Ion: 84 Resp: 81263
Ion Ratio Lower Upper
84 100
86 64.6 46.1 85.5
49 123.2 89.7 166.5

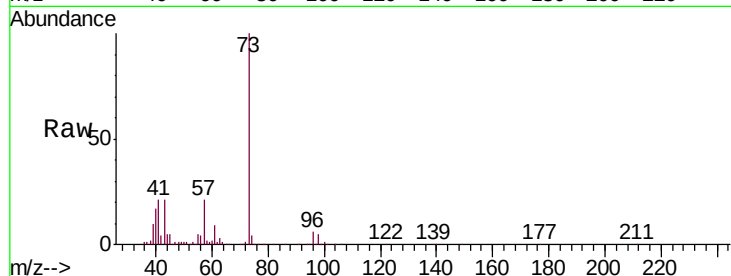




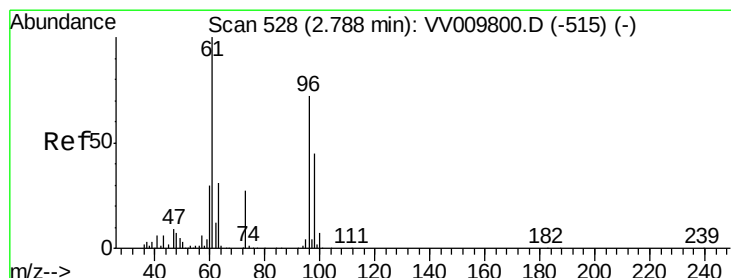
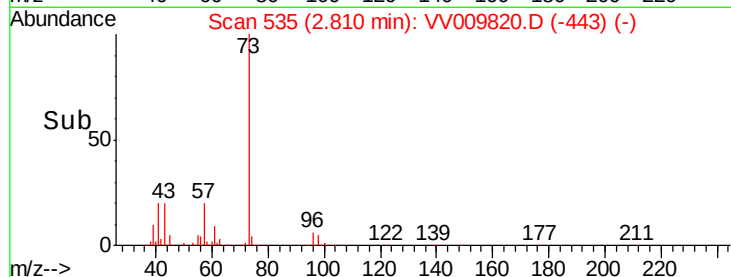
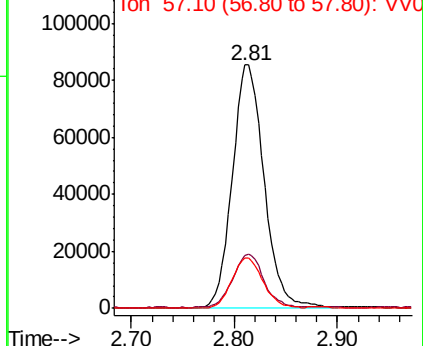
#17
Methyl tert-butyl Ether
Concen: 4.752 ug/L
RT: 2.81 min Scan# 535
Delta R.T. -0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

Instrument :
MSVOA_V
ClientSampled :
VSTD00539

Tgt Ion: 73 Resp: 184516
Ion Ratio Lower Upper
73 100
43 20.7 17.2 25.8
57 20.1 17.3 25.9

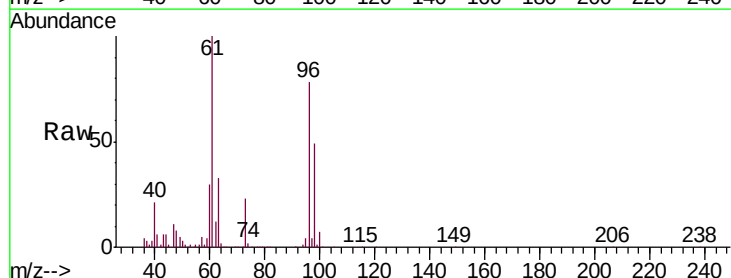


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

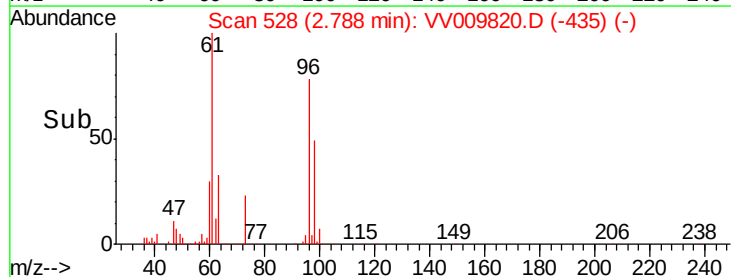
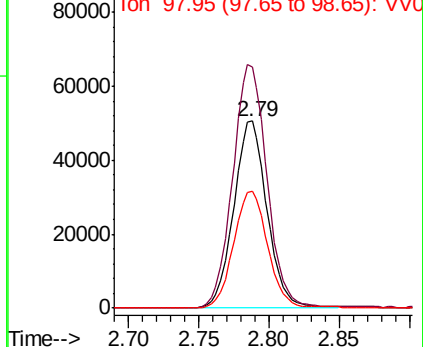


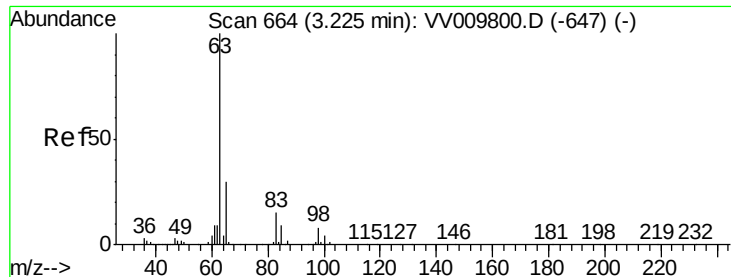
#18
trans-1,2-Dichloroethene
Concen: 4.646 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

Tgt Ion: 96 Resp: 83915
Ion Ratio Lower Upper
96 100
61 129.0 103.9 192.9
98 62.9 46.0 85.4



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

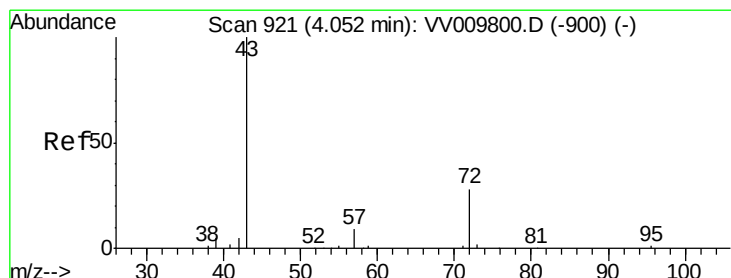
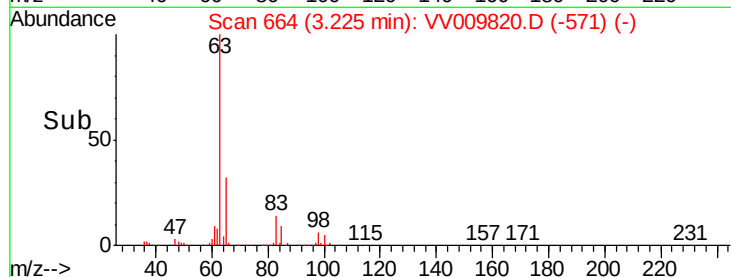
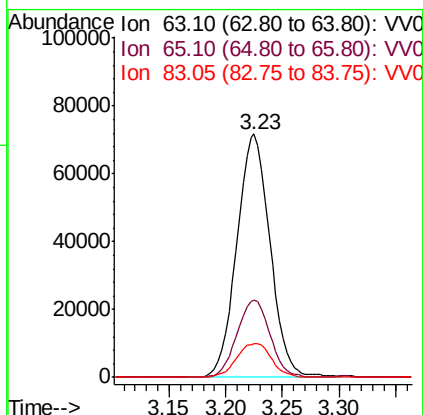
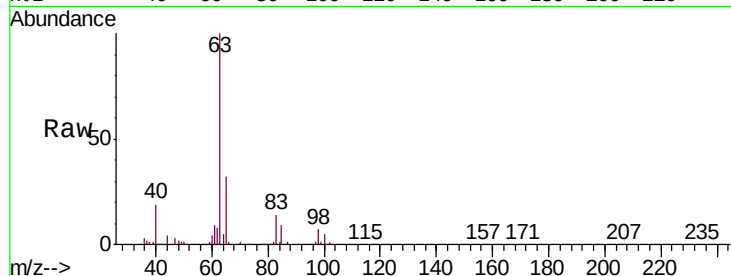




#19
 1,1-Dichloroethane
 Concen: 4.653 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

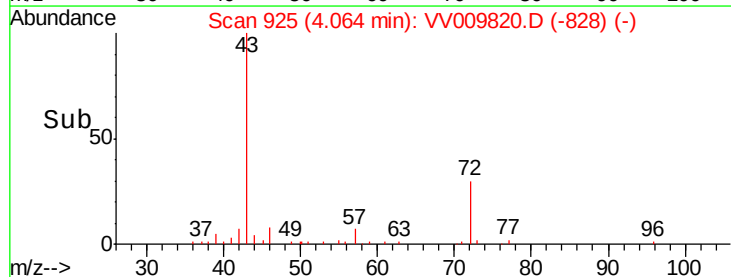
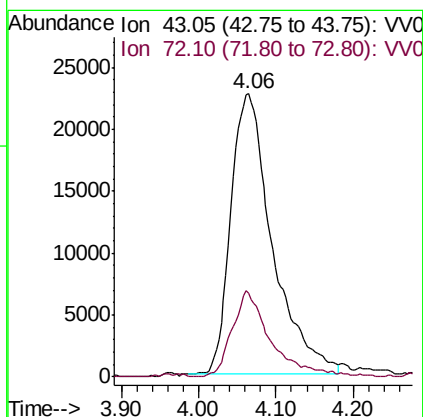
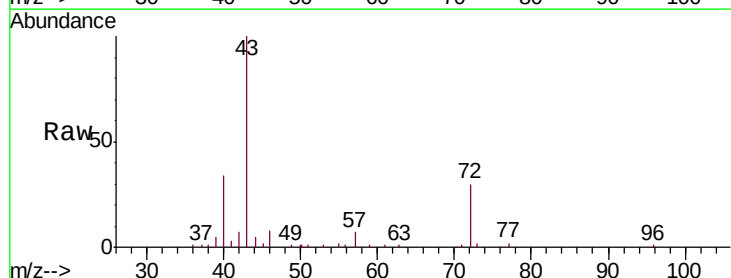
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

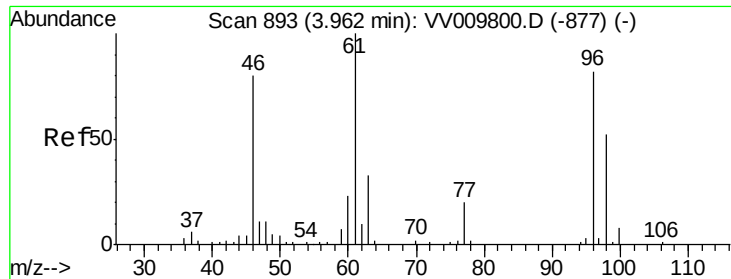
Tgt Ion: 63 Resp: 145898
 Ion Ratio Lower Upper
 63 100
 65 31.9 21.3 39.5
 83 14.1 9.9 18.5



#21
 2-Butanone
 Concen: 47.201 ug/L
 RT: 4.06 min Scan# 925
 Delta R.T. 0.01 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion: 43 Resp: 84692
 Ion Ratio Lower Upper
 43 100
 72 27.8 14.8 44.4



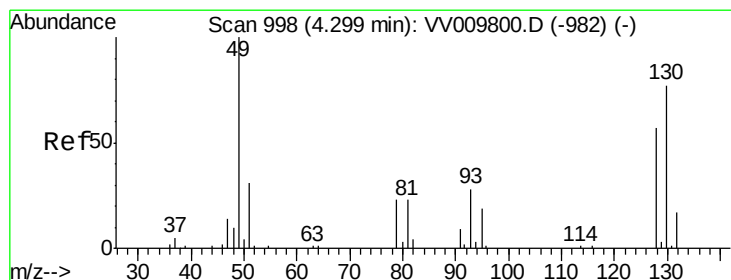
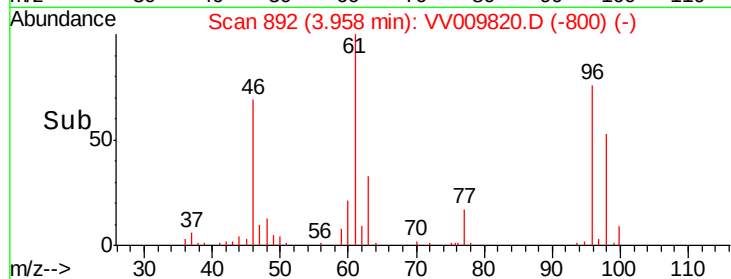
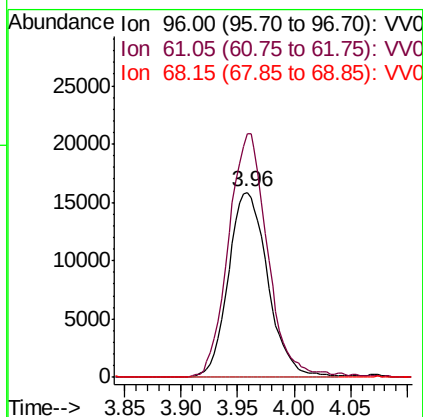
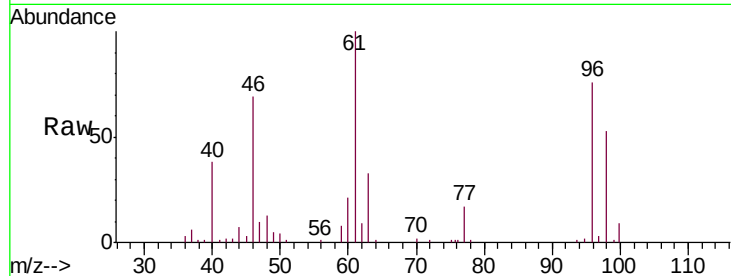


#22

cis-1,2-Dichloroethene
 Concen: 4.408 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

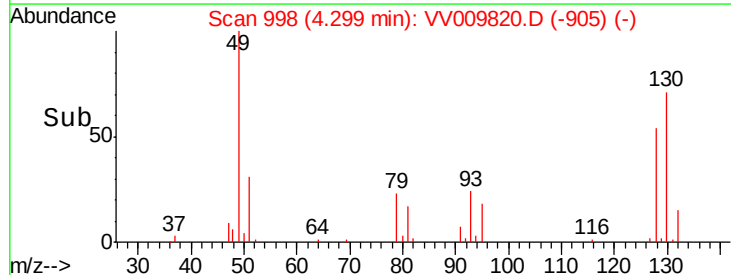
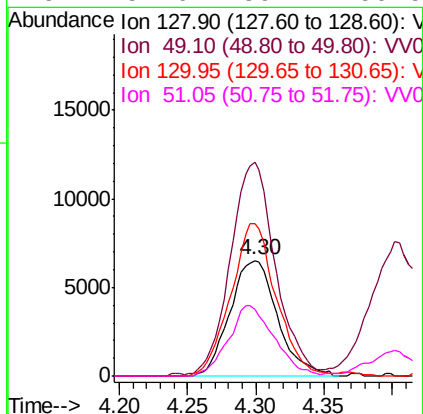
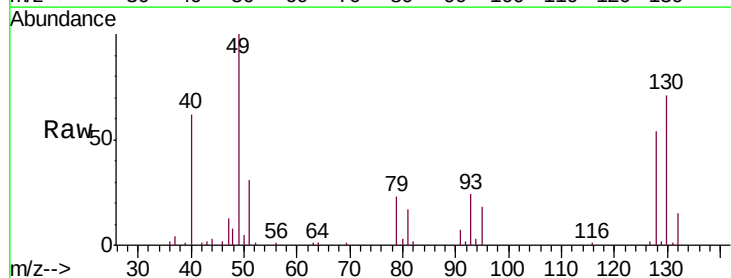
Tgt Ion: 96 Resp: 38514
 Ion Ratio Lower Upper
 96 100
 61 131.4 84.8 157.4
 68 0.0 0.0 0.0

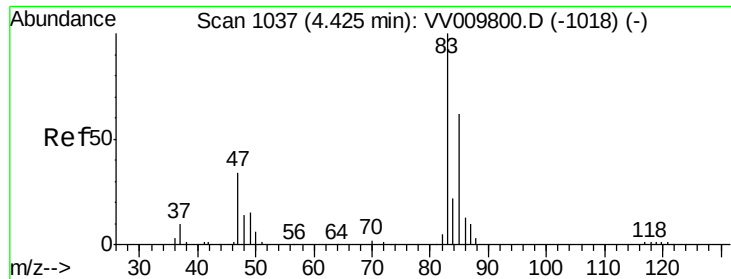


#23

Bromochloromethane
 Concen: 4.445 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion: 128 Resp: 15748
 Ion Ratio Lower Upper
 128 100
 49 184.4 110.4 205.0
 130 131.5 89.1 165.5
 51 57.6 39.7 59.5

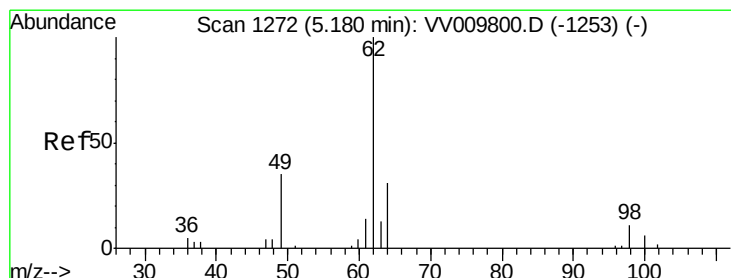
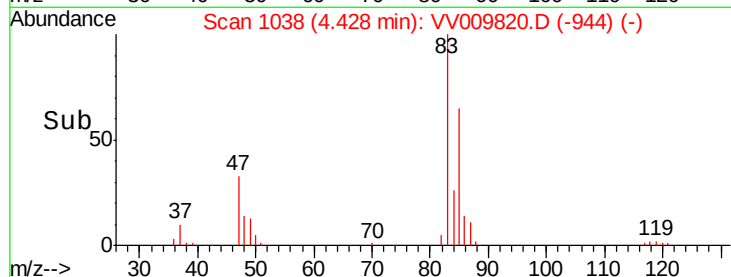
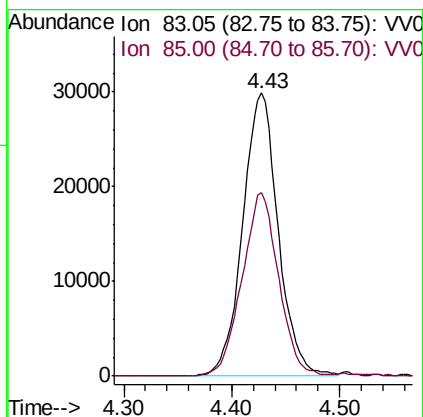
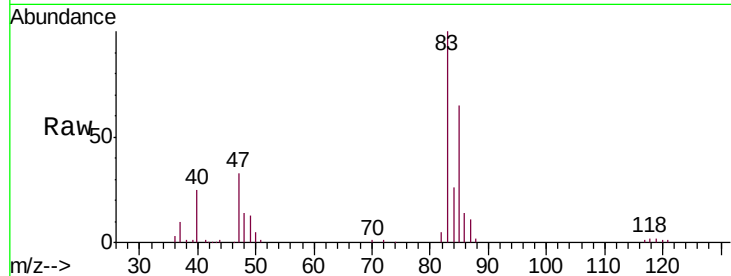




#25
Chloroform
Concen: 4.473 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

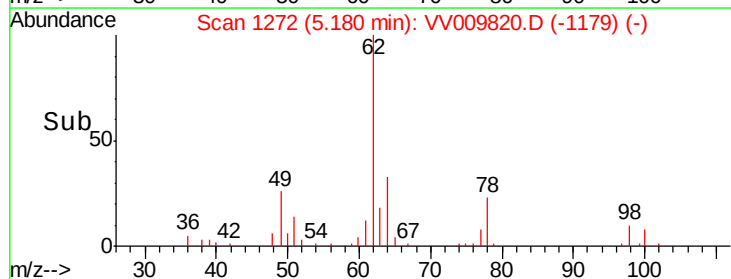
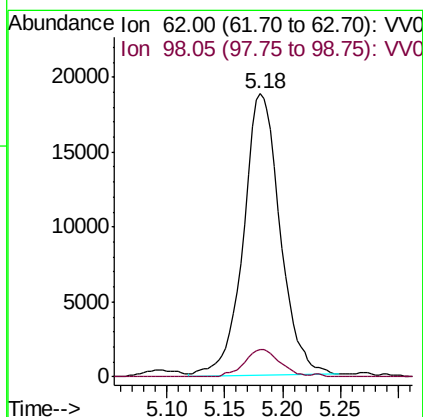
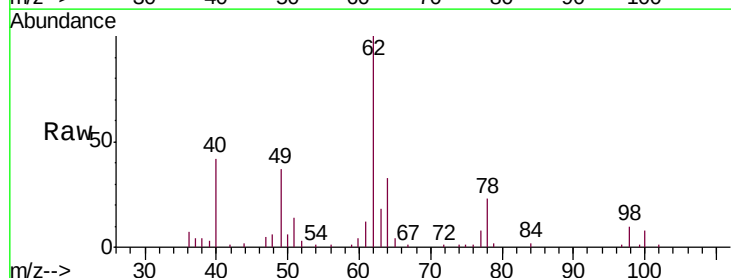
Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

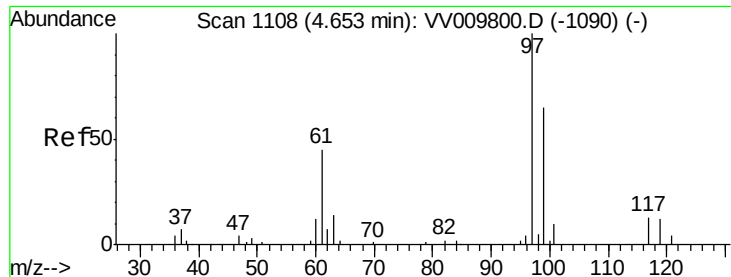
Tgt Ion: 83 Resp: 68336
Ion Ratio Lower Upper
83 100
85 64.8 45.7 84.9



#27
1,2-Dichloroethane
Concen: 4.434 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. -0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

Tgt Ion: 62 Resp: 41221
Ion Ratio Lower Upper
62 100
98 9.7 7.4 11.0

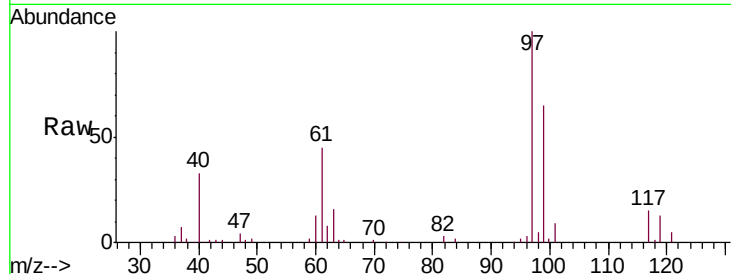




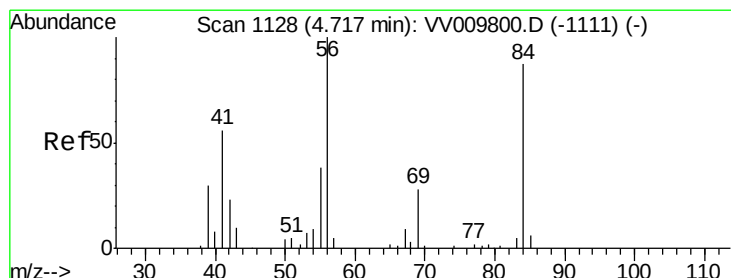
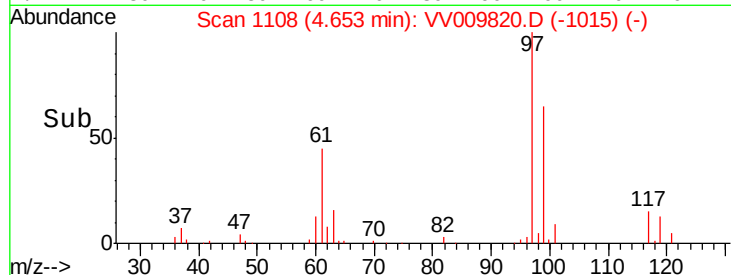
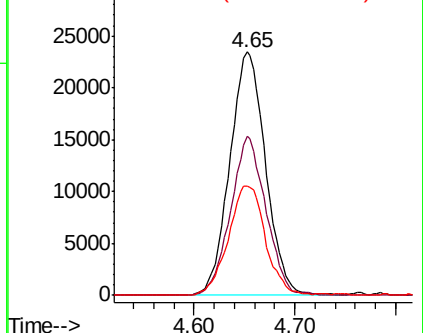
#29
 1,1,1-Trichloroethane
 Concen: 4.399 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion: 97 Resp: 57778
 Ion Ratio Lower Upper
 97 100
 99 64.5 50.8 76.2
 61 46.4 35.0 52.6

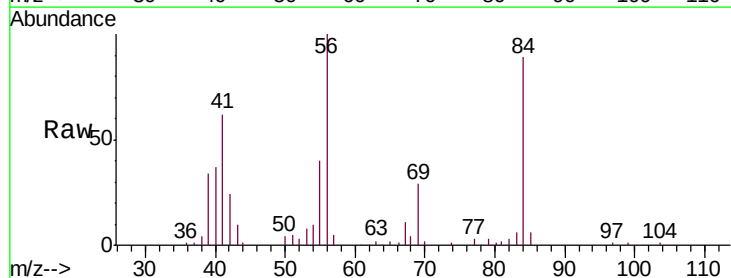


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

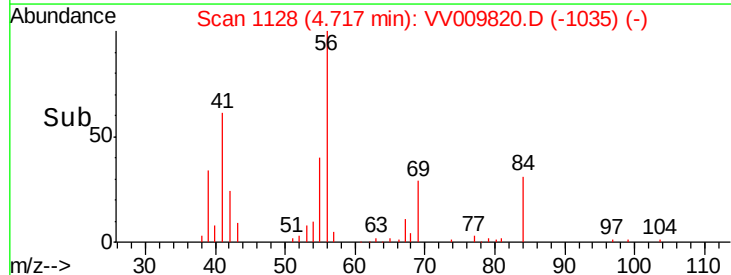
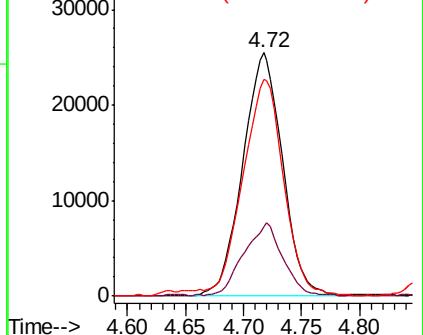


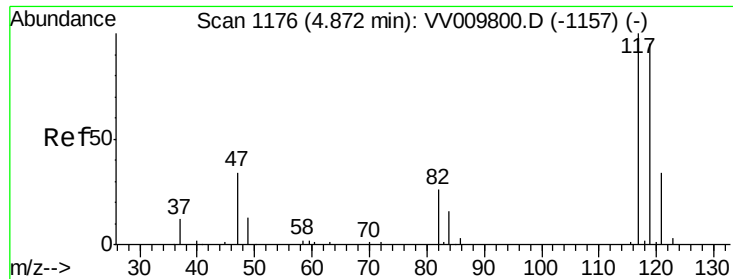
#30
 Cyclohexane
 Concen: 4.462 ug/L
 RT: 4.72 min Scan# 1128
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion: 56 Resp: 60754
 Ion Ratio Lower Upper
 56 100
 69 29.7 25.6 38.4
 84 92.8 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: 4.487 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

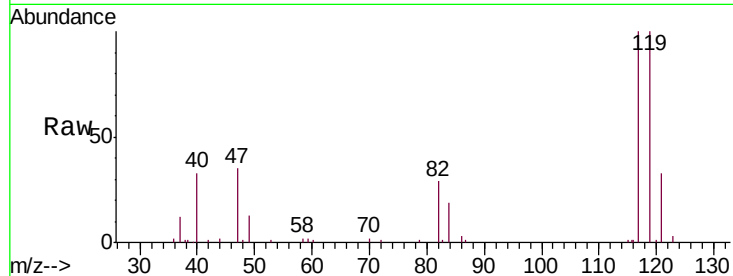
VSTD00539

Tgt Ion:117 Resp: 50751

Ion Ratio Lower Upper

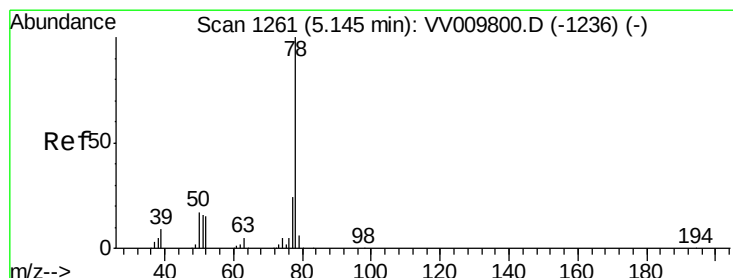
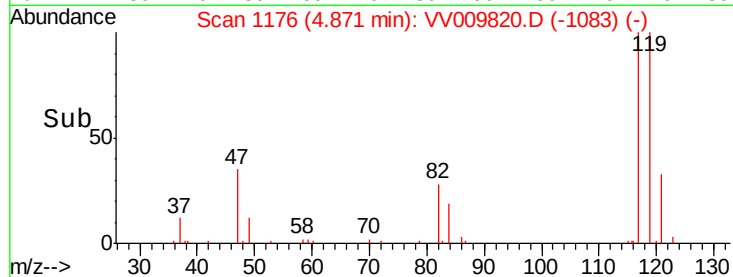
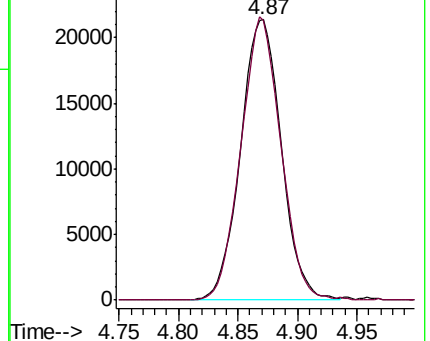
117 100

119 98.4 75.4 113.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 4.659 ug/L

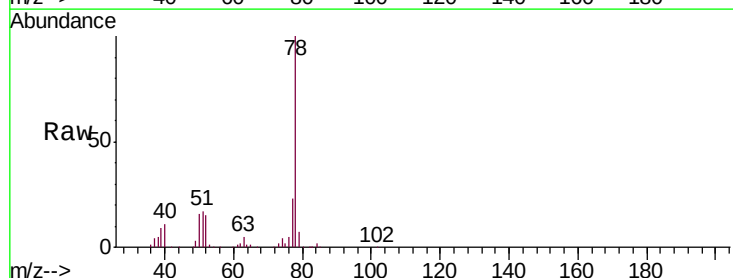
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

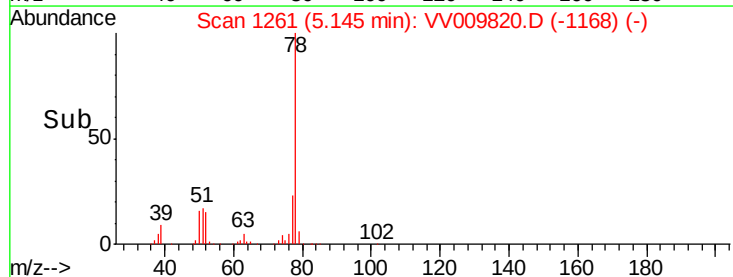
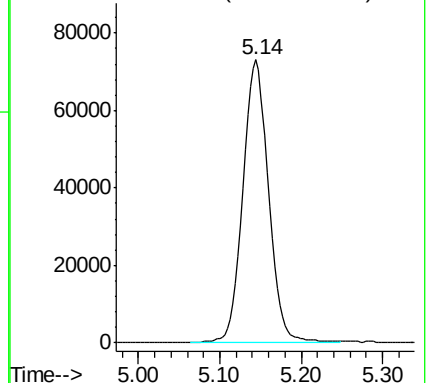
Lab File: VV009820.D

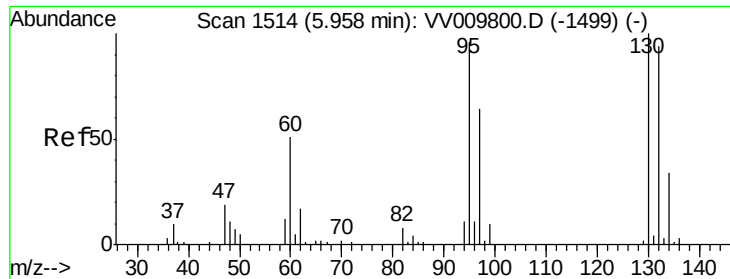
Acq: 22 Mar 2019 11:57

Tgt Ion: 78 Resp: 159241



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.500 ug/L

RT: 5.95 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

Tgt Ion: 95 Resp: 38908

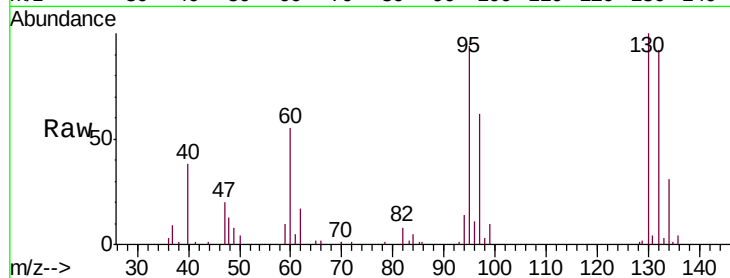
Ion Ratio Lower Upper

95 100

97 65.7 44.4 82.5

132 97.9 66.4 123.4

130 106.2 68.1 126.5

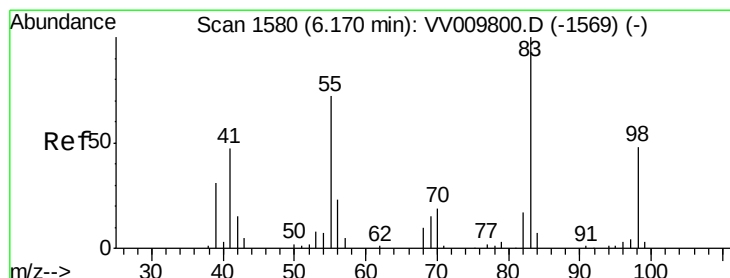
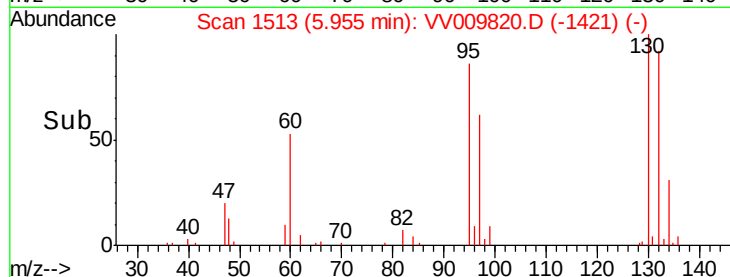
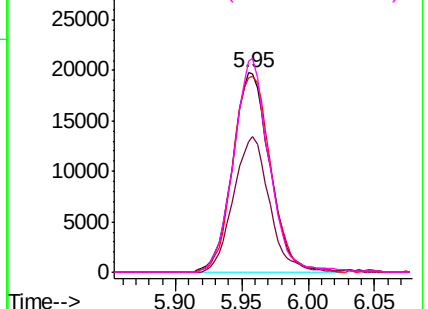


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 4.520 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

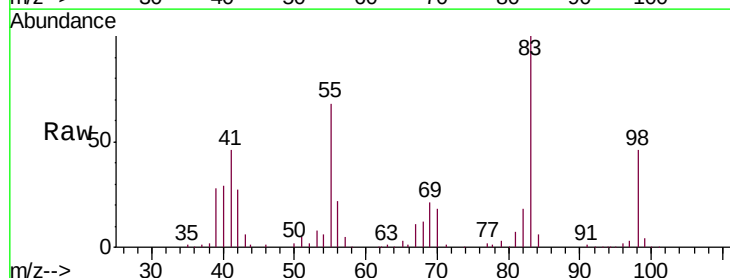
Tgt Ion: 83 Resp: 66885

Ion Ratio Lower Upper

83 100

55 72.0 57.4 86.2

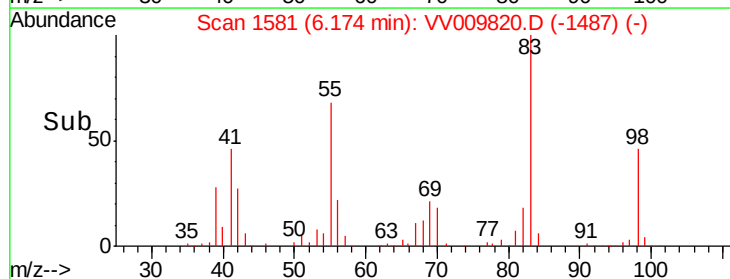
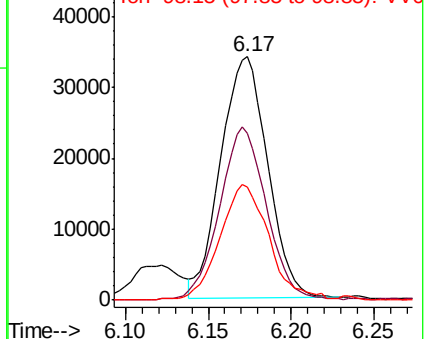
98 50.4 38.9 58.3

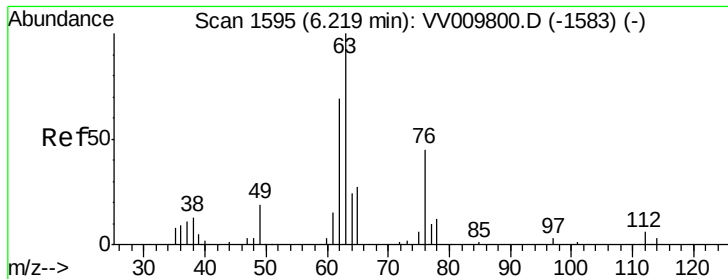


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

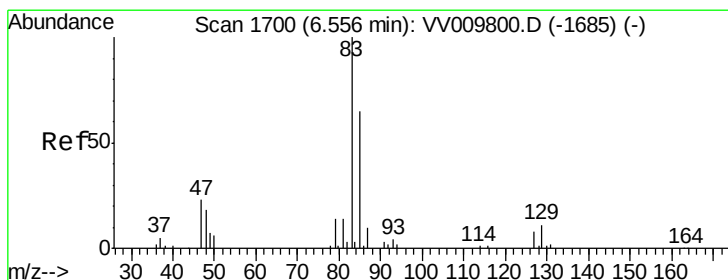
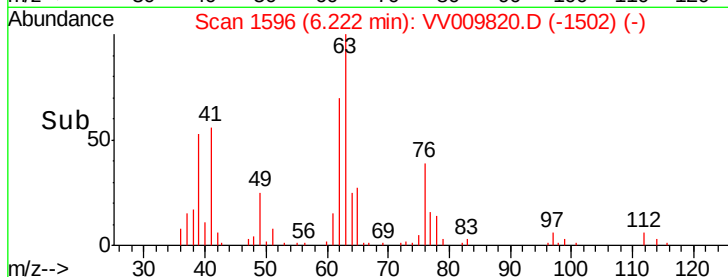
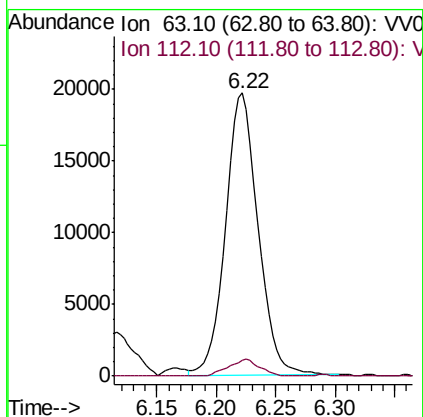
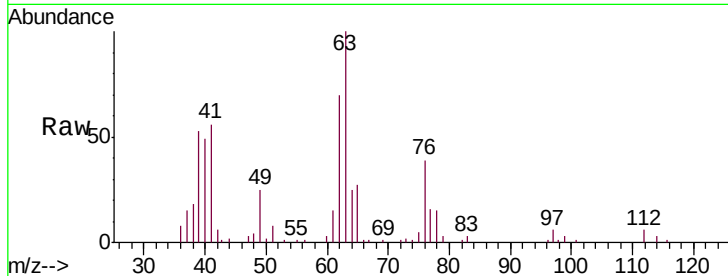




#37
 1,2-Dichloropropane
 Concen: 4.364 ug/L
 RT: 6.22 min Scan# 1596
 Delta R.T. 0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

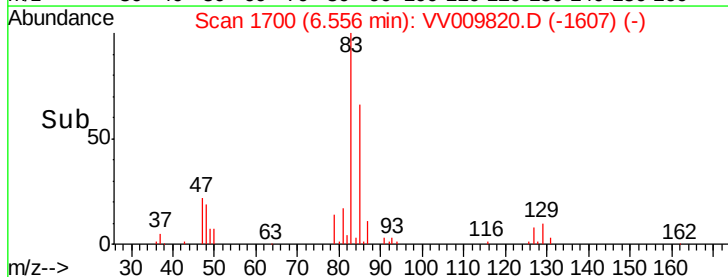
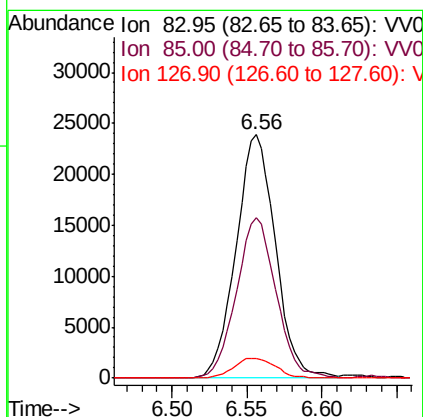
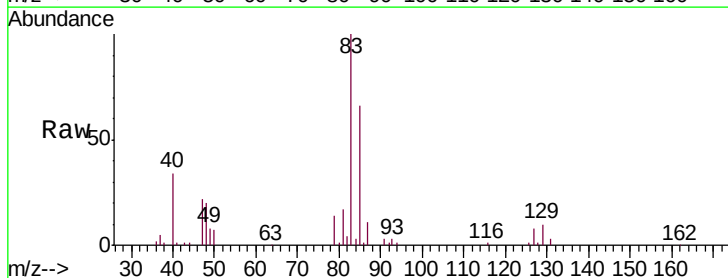
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

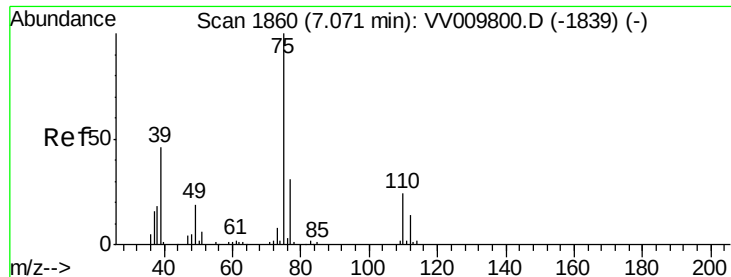
Tgt Ion: 63 Resp: 37289
 Ion Ratio Lower Upper
 63 100
 112 5.6 3.3 4.9#



#38
 Bromodichloromethane
 Concen: 4.325 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion: 83 Resp: 43697
 Ion Ratio Lower Upper
 83 100
 85 65.9 42.8 79.4
 127 7.9 6.2 9.4

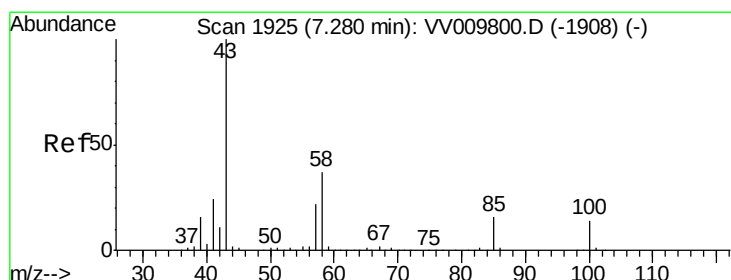
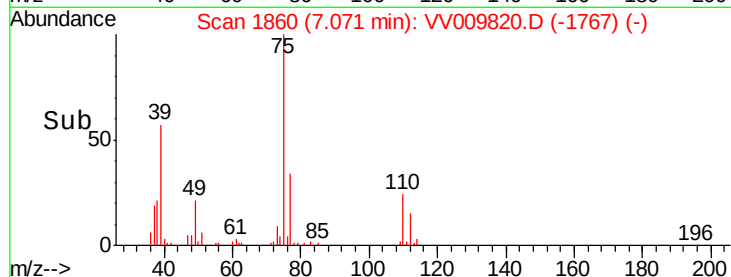
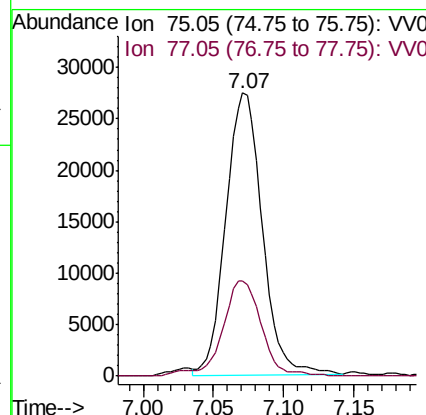
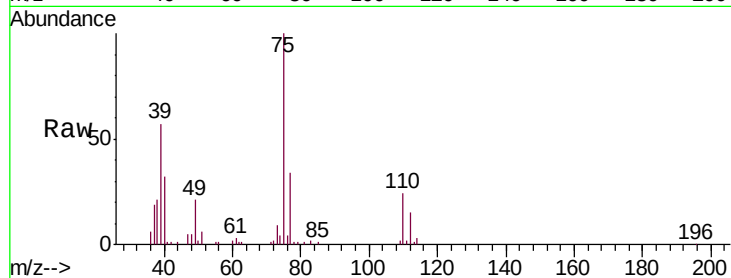




#39
 cis-1,3-Dichloropropene
 Concen: 4.273 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

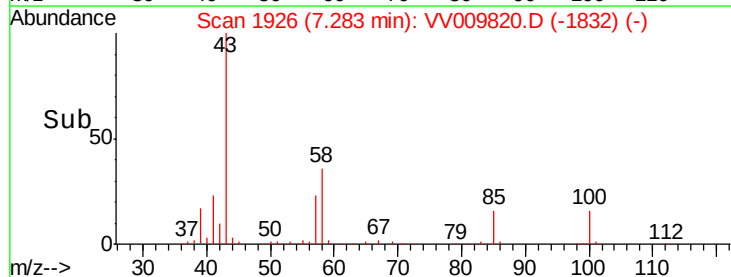
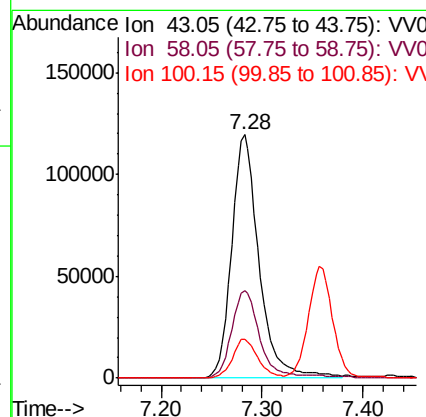
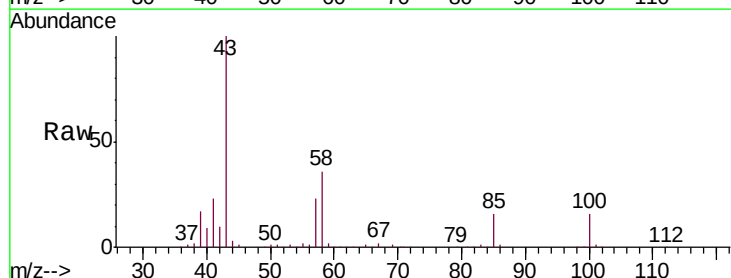
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

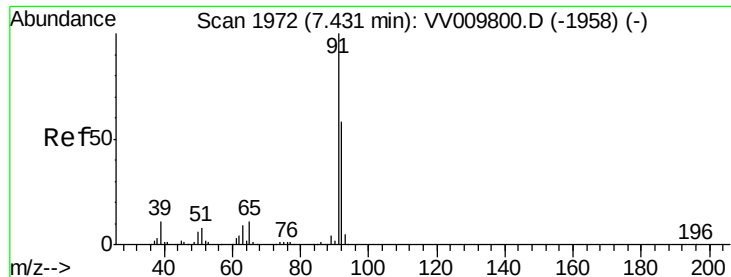
Tgt Ion: 75 Resp: 49387
 Ion Ratio Lower Upper
 75 100
 77 33.6 24.1 44.8



#40
 4-Methyl-2-pentanone
 Concen: 45.452 ug/L
 RT: 7.28 min Scan# 1926
 Delta R.T. 0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion: 43 Resp: 226931
 Ion Ratio Lower Upper
 43 100
 58 36.1 32.3 48.5
 100 15.0 12.0 18.0





#42

Toluene

Concen: 4.565 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

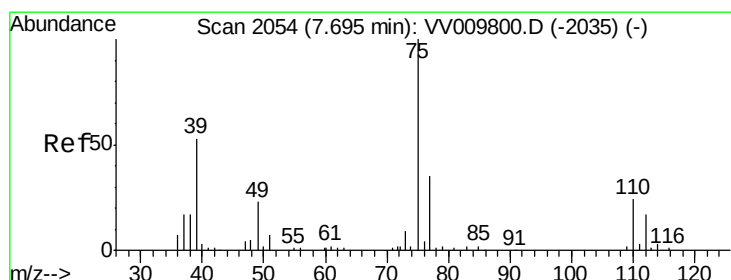
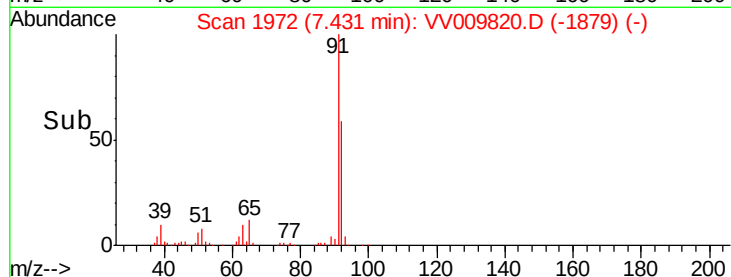
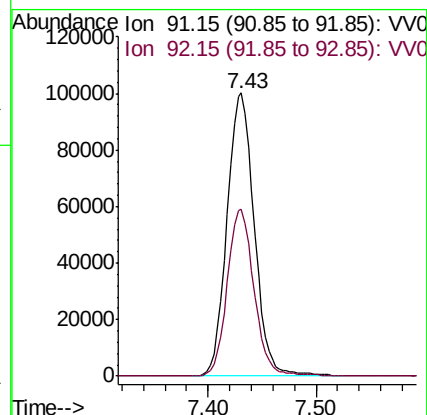
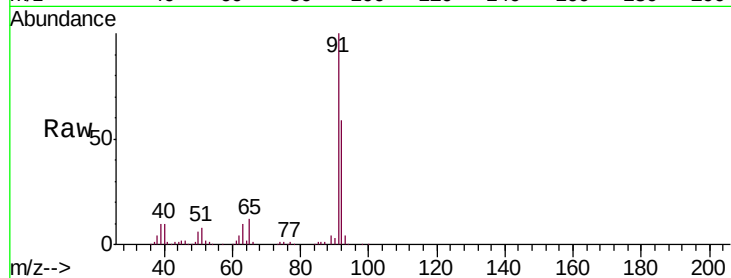
VSTD00539

Tgt Ion: 91 Resp: 176583

Ion Ratio Lower Upper

91 100

92 58.7 39.1 72.5



#44

trans-1,3-Dichloropropene

Concen: 4.180 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV009820.D

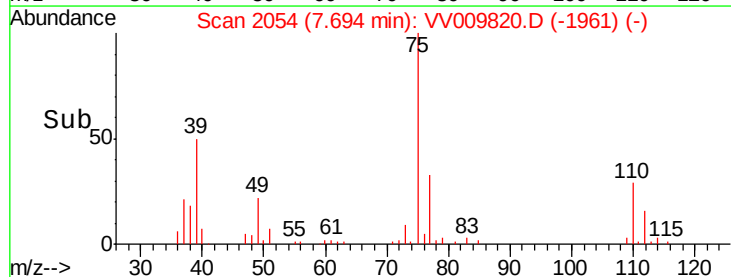
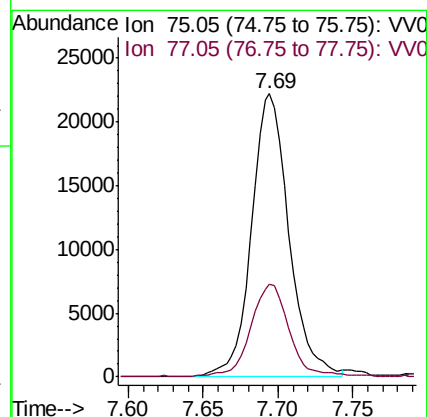
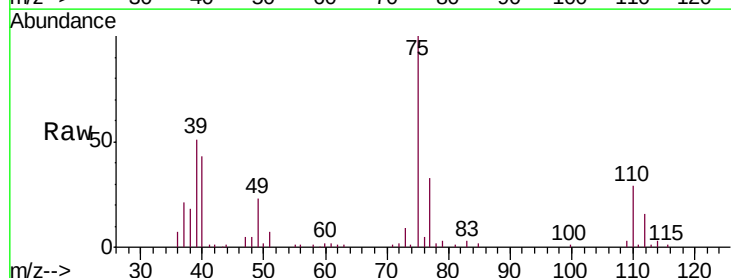
Acq: 22 Mar 2019 11:57

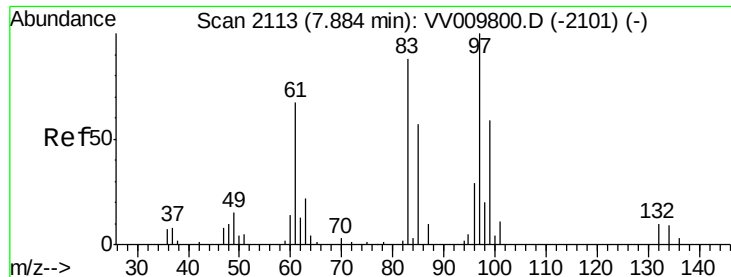
Tgt Ion: 75 Resp: 38625

Ion Ratio Lower Upper

75 100

77 32.7 22.7 42.3

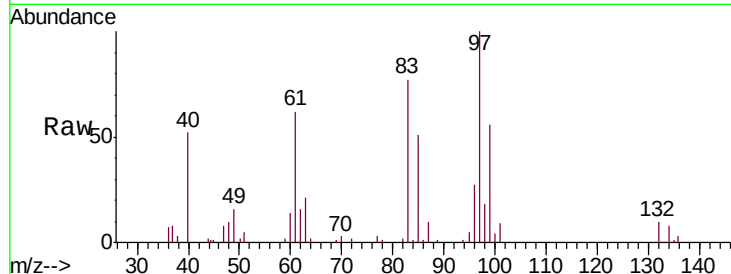




#45
 1,1,2-Trichloroethane
 Concen: 4.736 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:	97	Resp:	27547
Ion	Ratio	Lower	Upper
97	100		
99	56.0	43.8	81.4
83	77.0	60.7	112.7
85	51.0	40.5	75.3



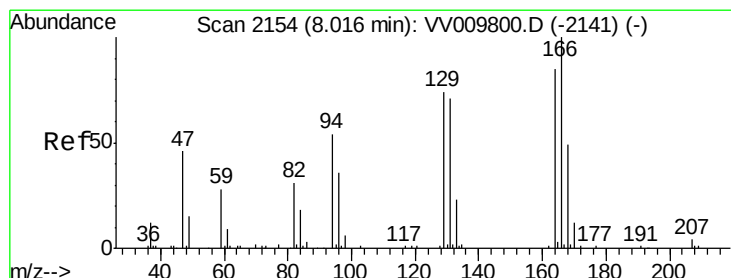
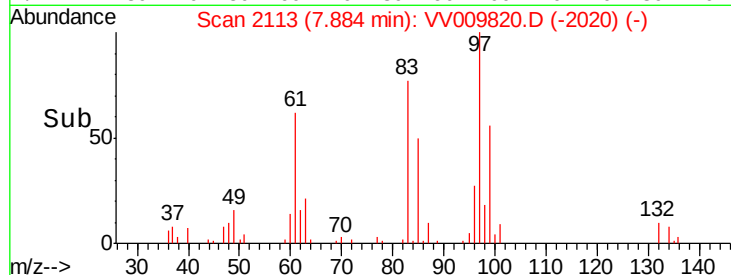
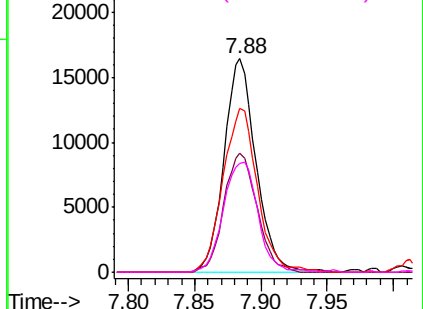
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

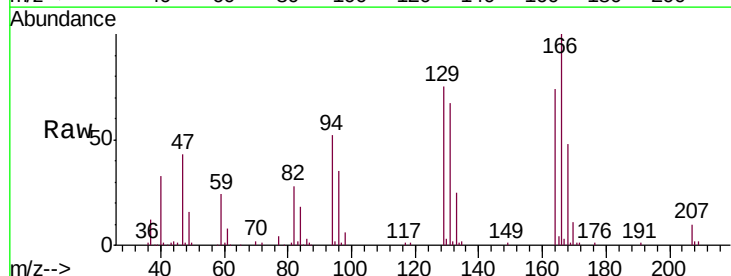
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 4.216 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion:	164	Resp:	31481
Ion	Ratio	Lower	Upper
164	100		
129	101.3	73.6	136.8
131	90.6	68.4	127.0
166	135.3	91.8	170.4



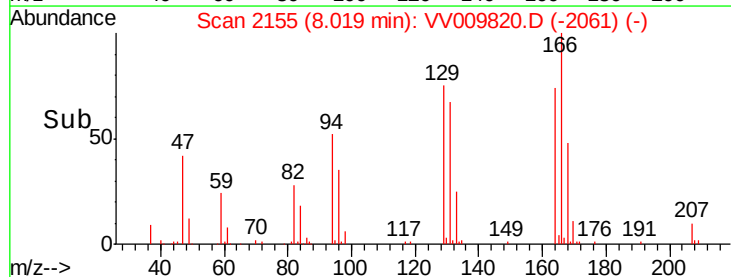
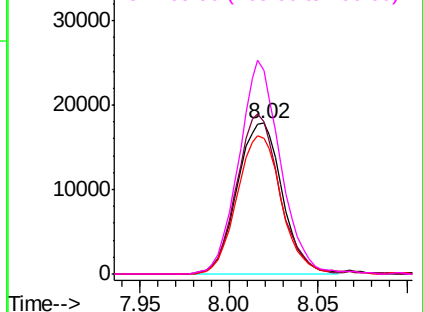
Abundance

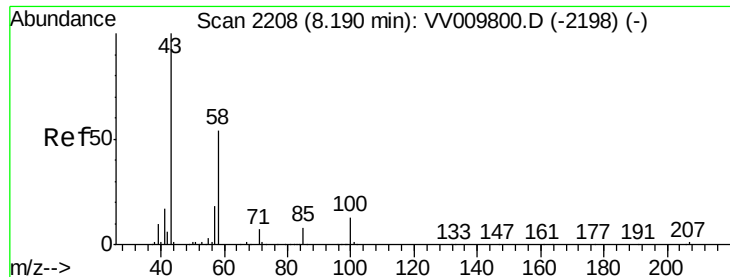
Ion 163.90 (163.60 to 164.60): V

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

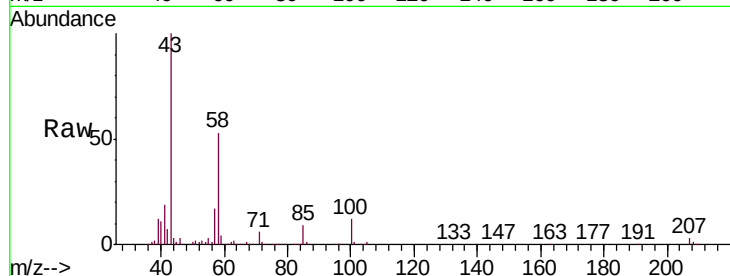




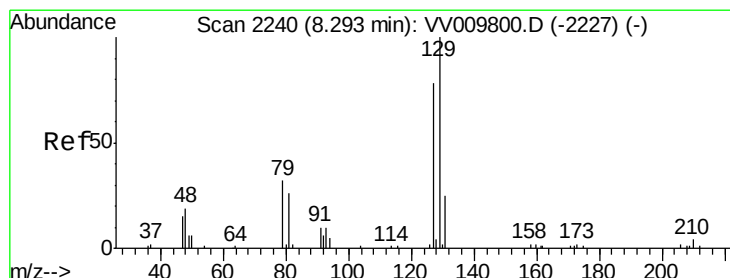
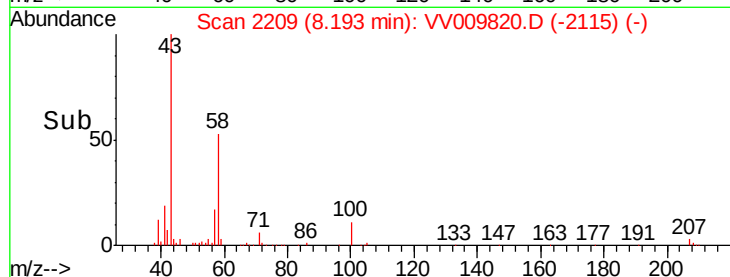
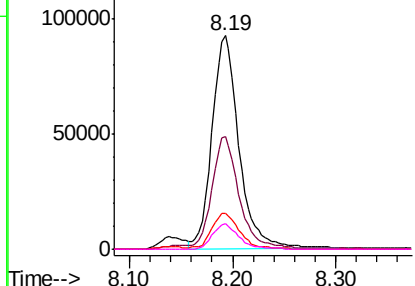
#48
2-Hexanone
Concen: 47.779 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion: 43 Resp: 167829
Ion Ratio Lower Upper
43 100
58 55.1 43.4 65.0
57 17.6 15.0 22.4
100 11.8 9.6 14.4

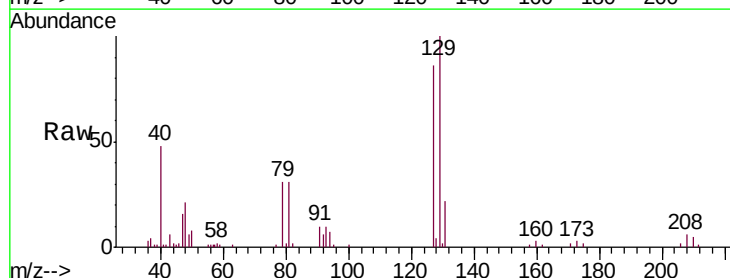


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

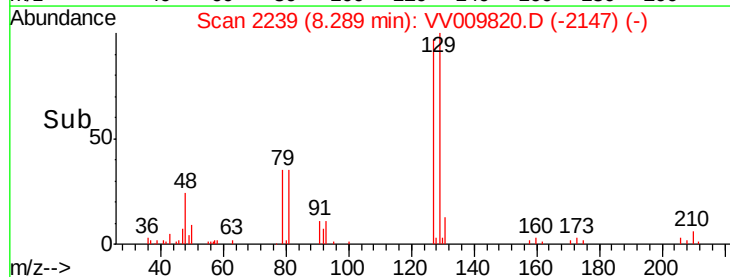
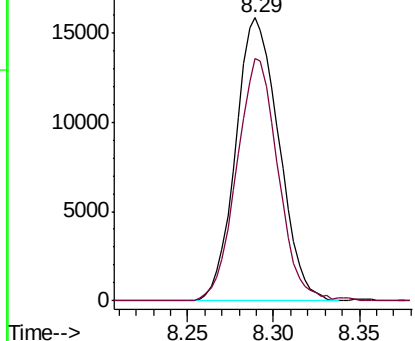


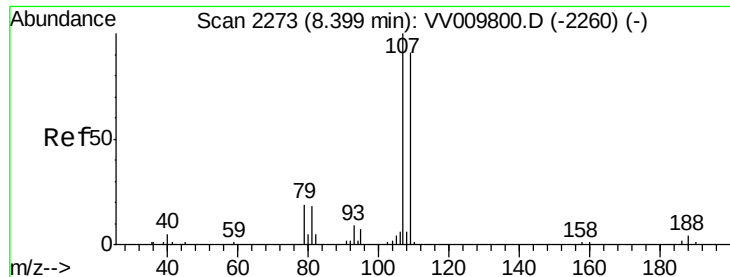
#49
Dibromochloromethane
Concen: 4.116 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

Tgt Ion: 129 Resp: 27674
Ion Ratio Lower Upper
129 100
127 85.8 52.4 97.4



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

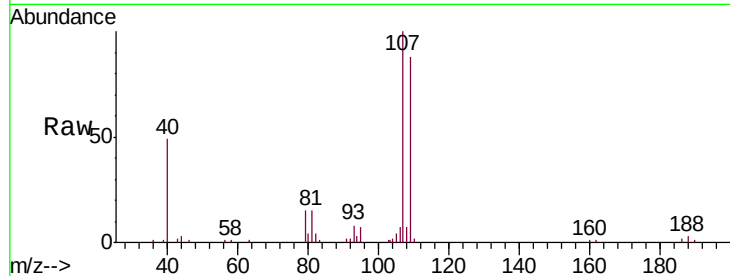




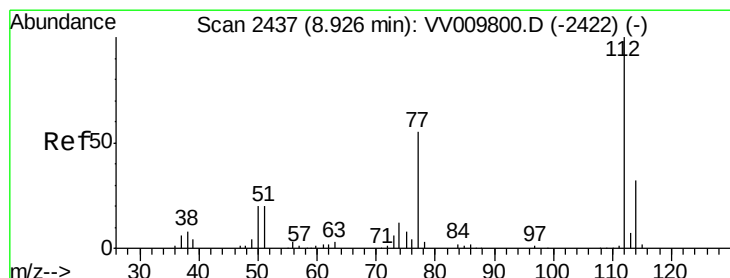
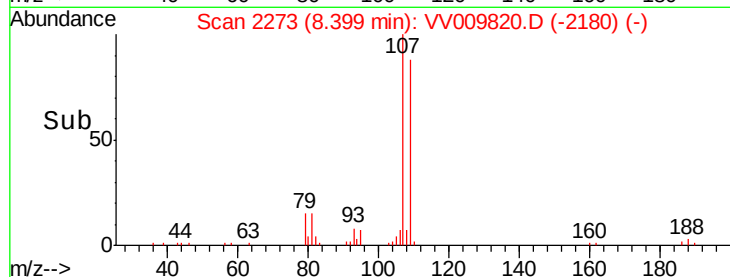
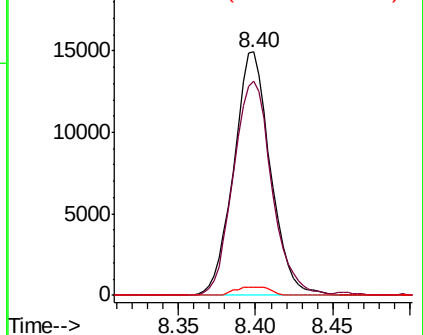
#50
1,2-Dibromoethane
Concen: 4.527 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. -0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

Instrument :
MSVOA_V
ClientSampleId :
VSTD00539

Tgt Ion:107 Resp: 24588
Ion Ratio Lower Upper
107 100
109 87.9 61.8 114.8
188 3.2 2.4 3.6

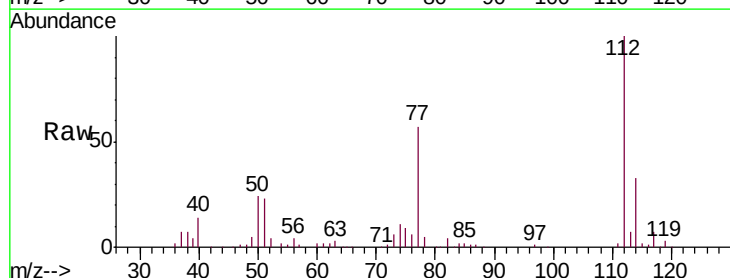


Abundance Ion 106.95 (106.65 to 107.65): V
20000 Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

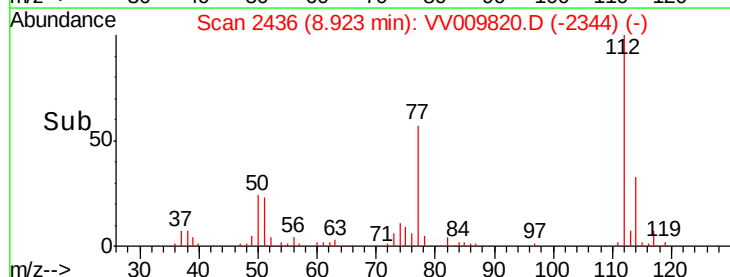
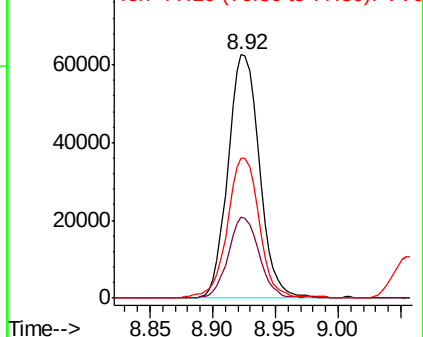


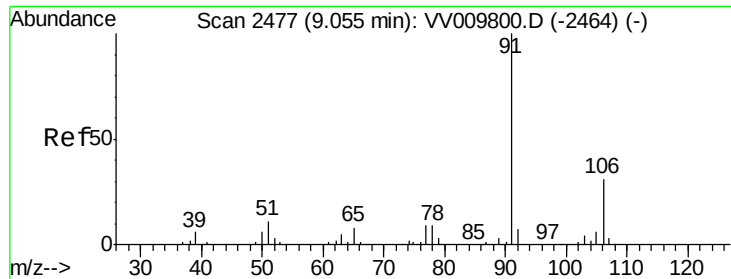
#51
Chlorobenzene
Concen: 4.409 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV009820.D
Acq: 22 Mar 2019 11:57

Tgt Ion:112 Resp: 109192
Ion Ratio Lower Upper
112 100
114 33.1 21.8 40.4
77 57.2 45.0 67.4



Abundance Ion 112.10 (111.80 to 112.80): V
80000 Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 4.407 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

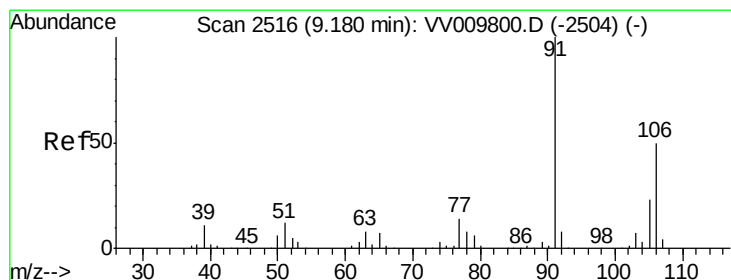
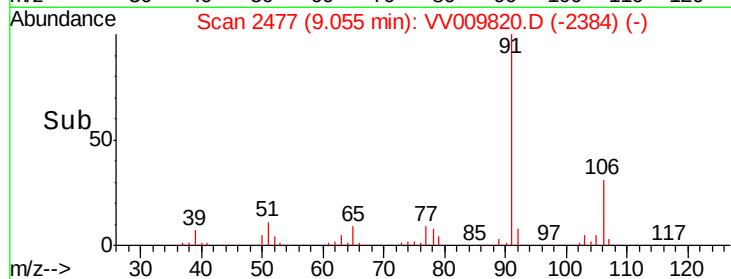
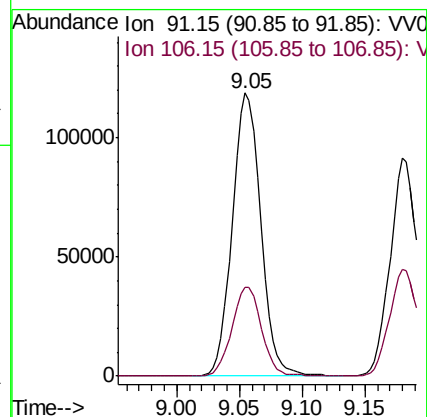
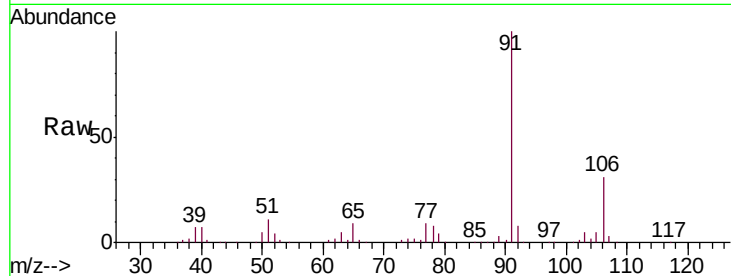
VSTD00539

Tgt Ion: 91 Resp: 187785

Ion Ratio Lower Upper

91 100

106 31.2 22.7 42.1



#53

m,p-xylene

Concen: 4.532 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009820.D

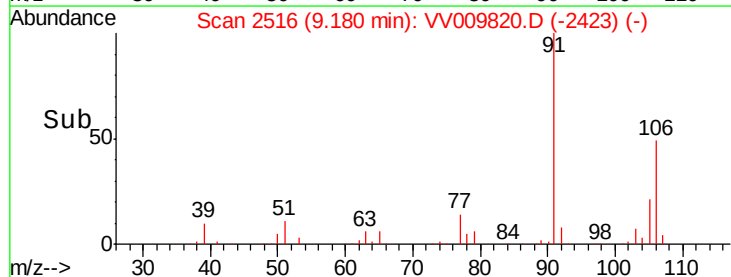
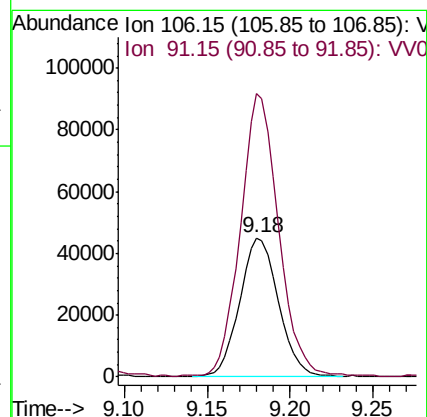
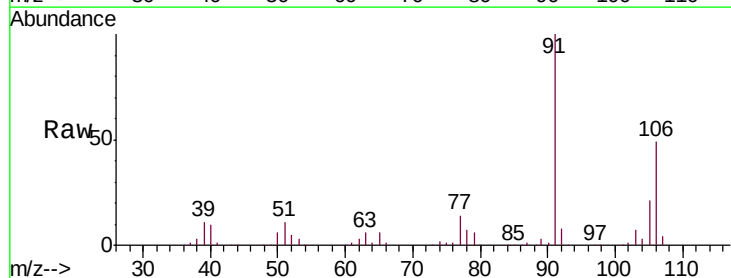
Acq: 22 Mar 2019 11:57

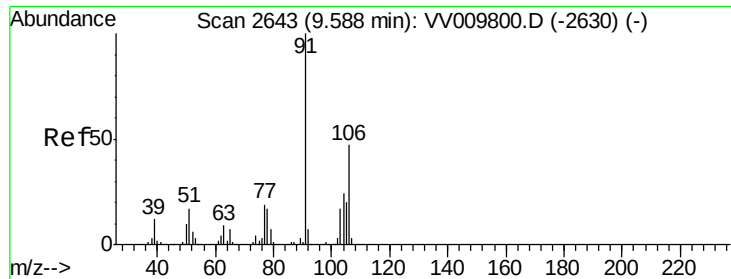
Tgt Ion: 106 Resp: 73386

Ion Ratio Lower Upper

106 100

91 203.8 143.2 266.0





#54

o-xylene

Concen: 4.435 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

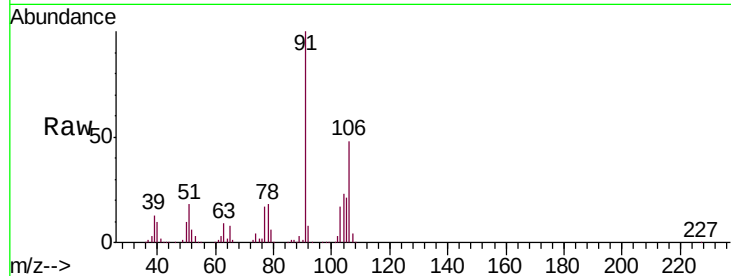
VSTD00539

Tgt Ion:106 Resp: 70161

Ion Ratio Lower Upper

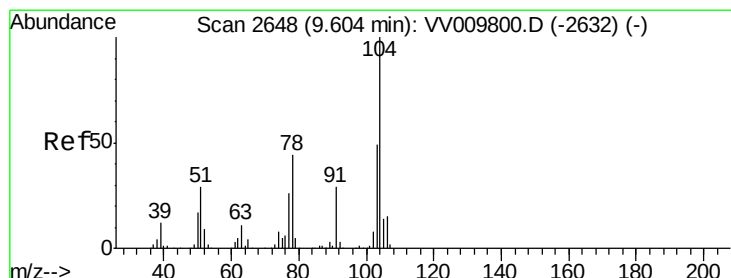
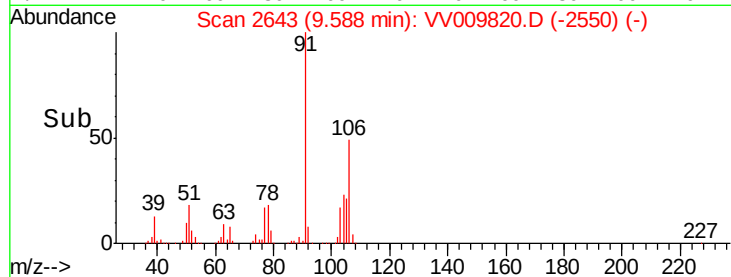
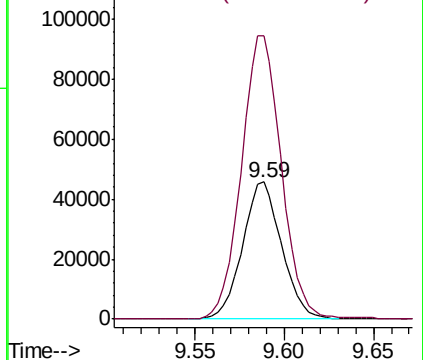
106 100

91 206.5 152.9 283.9



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 4.543 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009820.D

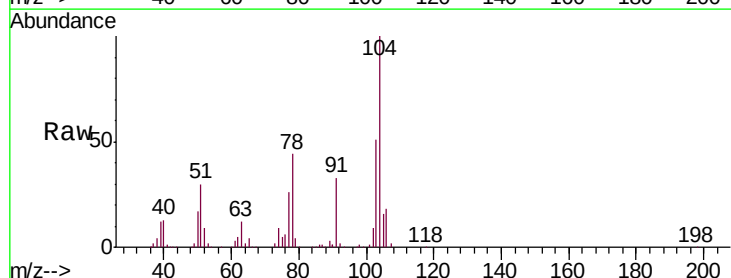
Acq: 22 Mar 2019 11:57

Tgt Ion:104 Resp: 116857

Ion Ratio Lower Upper

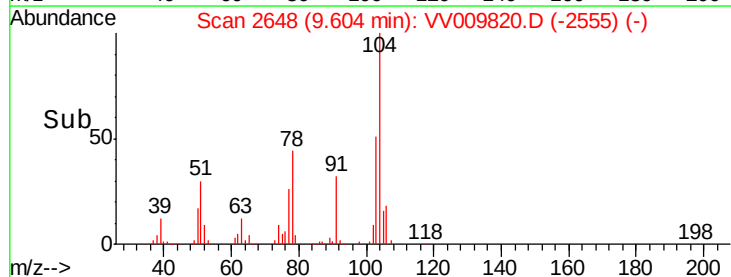
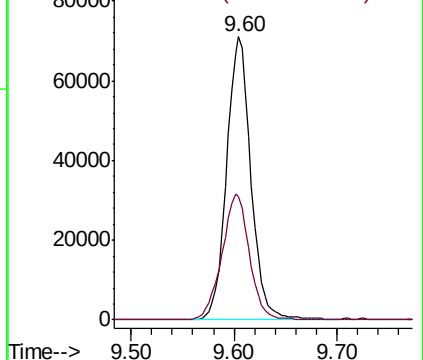
104 100

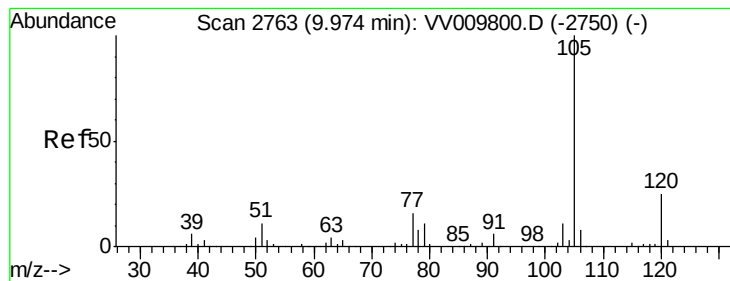
78 43.6 32.2 59.8



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 4.441 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampleId :

VSTD00539

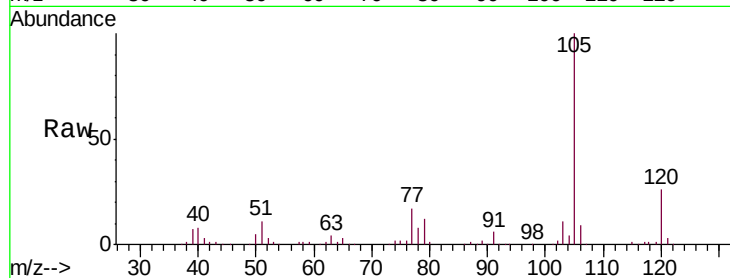
Tgt Ion: 105 Resp: 185489

Ion Ratio Lower Upper

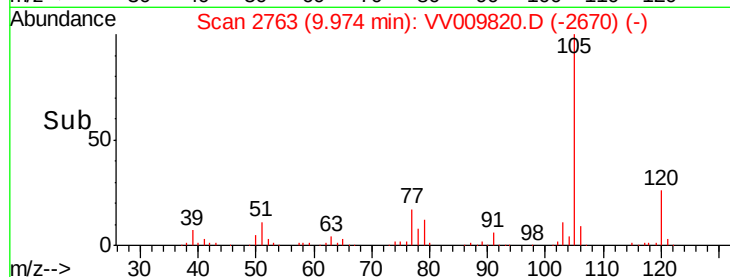
105 100

120 26.4 21.4 32.2

77 16.4 12.6 19.0



Abundance Ion 105.05 (104.75 to 105.75): VV009820.D (-2670) (-)

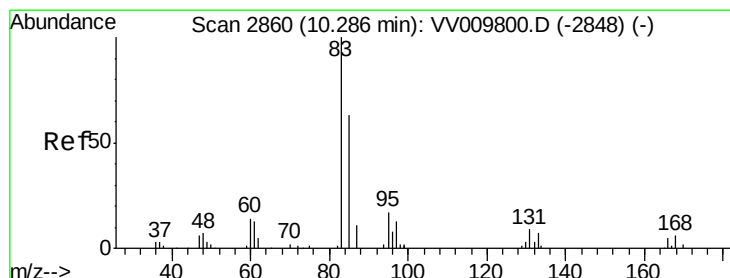


Ion 120.10 (119.80 to 120.80): VV009820.D (-2670) (-)

Ion 77.10 (76.80 to 77.80): VV009820.D (-2670) (-)

Time-->

9.90 9.95 10.00 10.05



#58

1,1,2,2-Tetrachloroethane

Concen: 4.487 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

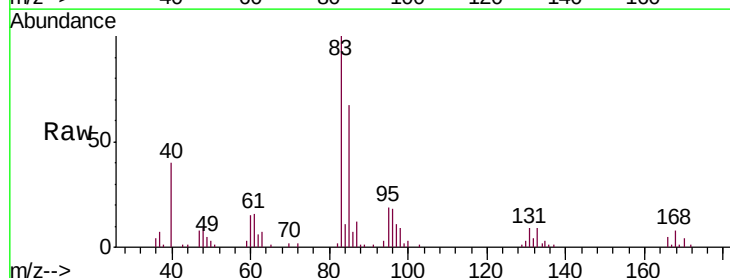
Tgt Ion: 83 Resp: 32331

Ion Ratio Lower Upper

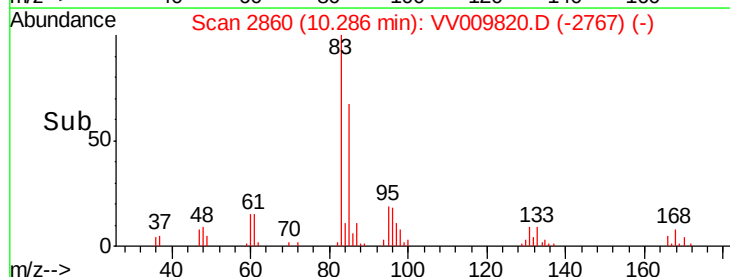
83 100

85 67.0 45.8 85.2

131 8.9 9.0 13.4#



Abundance Ion 82.95 (82.65 to 83.65): VV009820.D (-2767) (-)

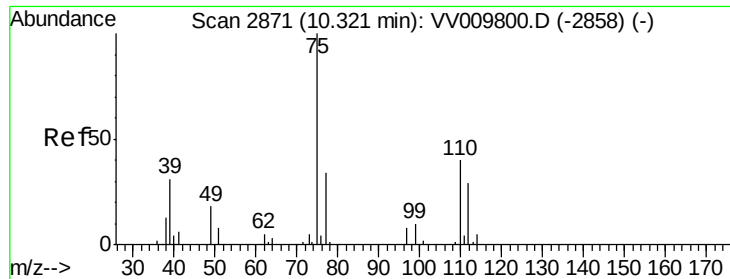


Ion 85.00 (84.70 to 85.70): VV009820.D (-2767) (-)

Ion 130.95 (130.65 to 131.65): VV009820.D (-2767) (-)

Time-->

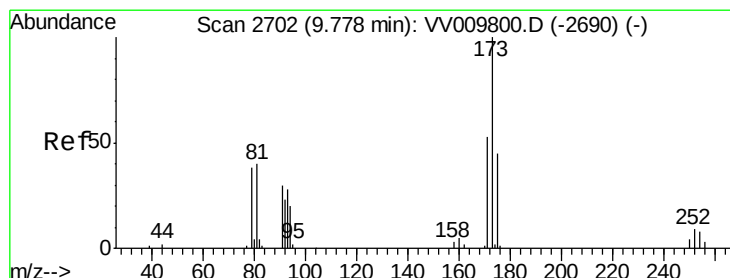
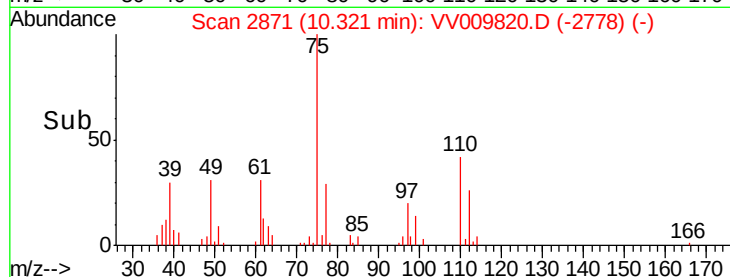
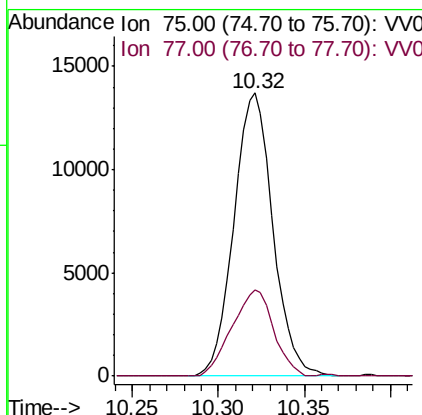
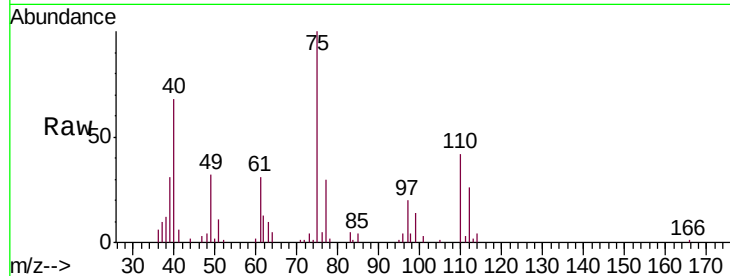
10.20 10.25 10.30 10.35



#59
 1,2,3-Trichloropropane
 Concen: 4.350 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

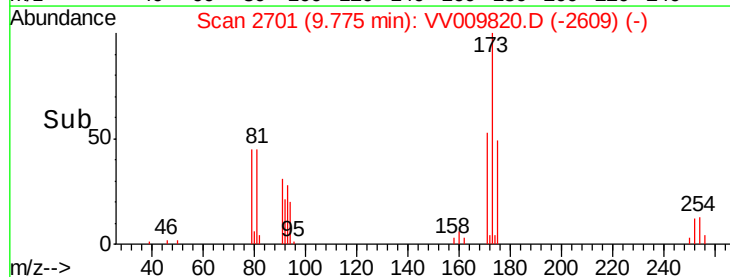
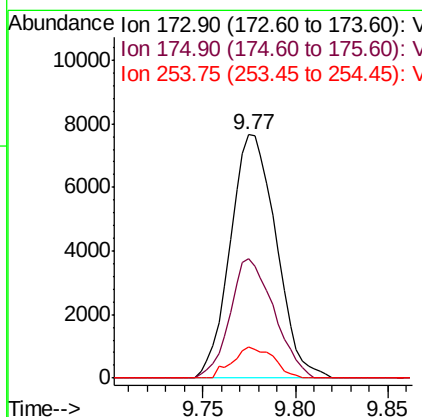
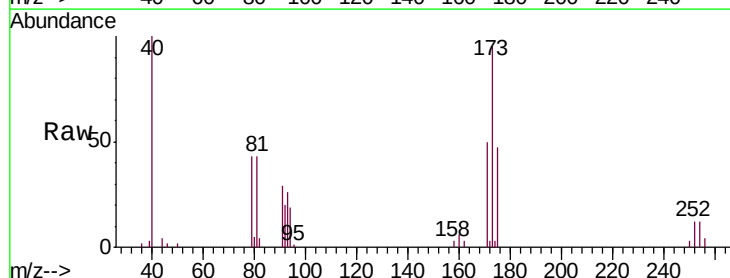
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

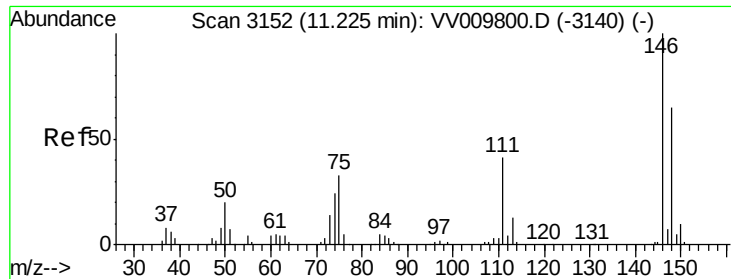
Tgt Ion: 75 Resp: 21589
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.7 38.5



#61
 Bromoform
 Concen: 4.160 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion: 173 Resp: 13150
 Ion Ratio Lower Upper
 173 100
 175 47.0 40.0 60.0
 254 11.4 6.2 9.2#

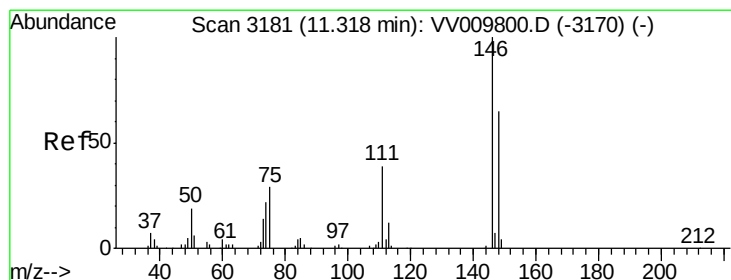
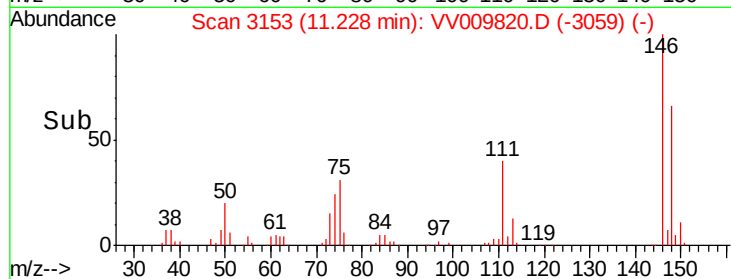
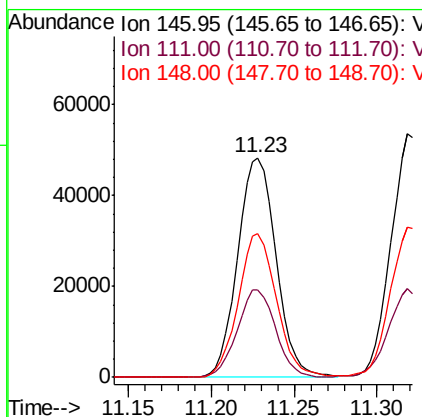
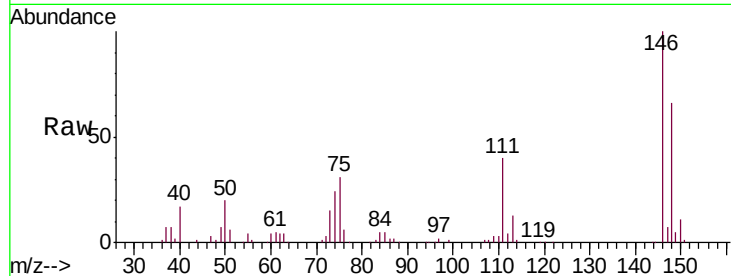




#62
 1,3-Dichlorobenzene
 Concen: 4.096 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

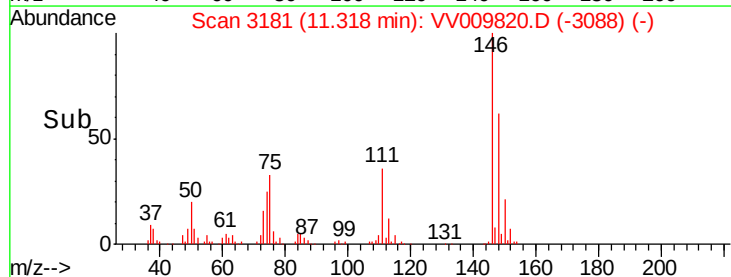
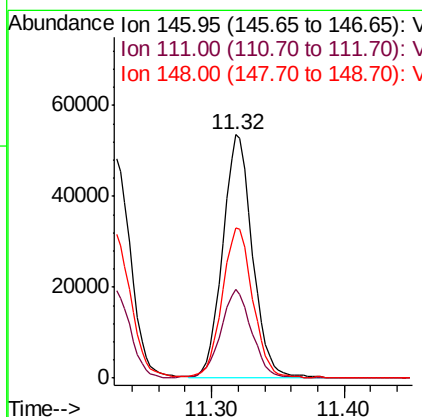
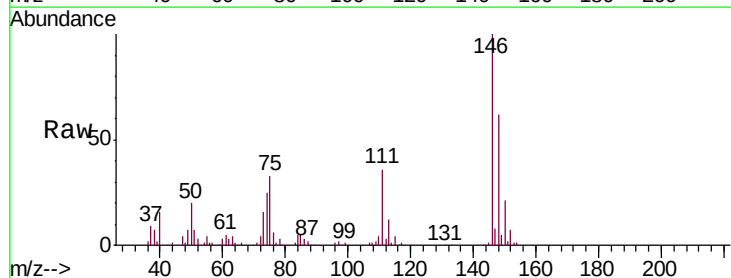
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

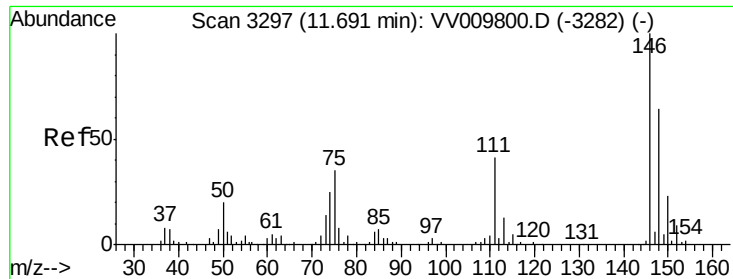
Tgt Ion:146 Resp: 77912
 Ion Ratio Lower Upper
 146 100
 111 39.7 29.7 55.1
 148 65.8 44.2 82.0



#63
 1,4-Dichlorobenzene
 Concen: 4.347 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion:146 Resp: 83659
 Ion Ratio Lower Upper
 146 100
 111 36.3 27.4 51.0
 148 61.6 43.6 81.0

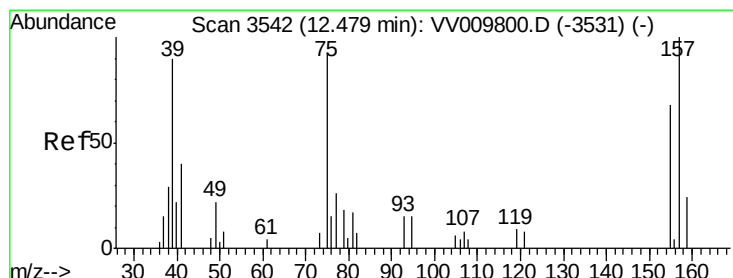
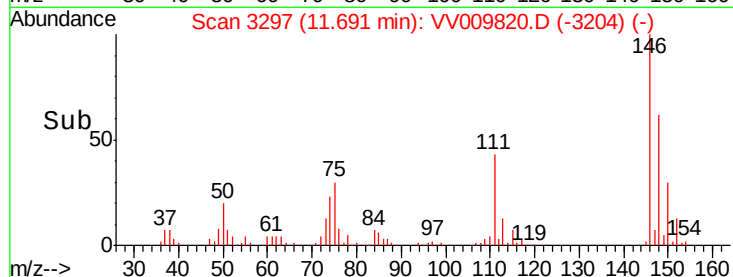
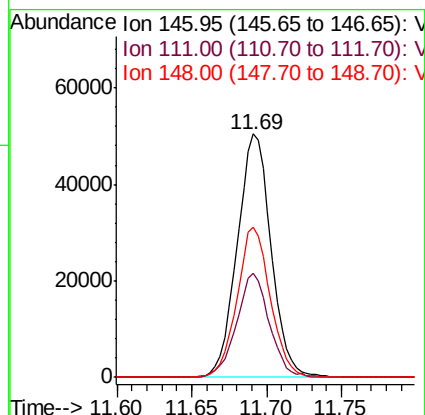
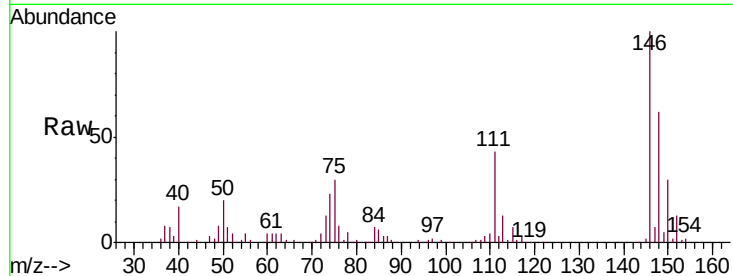




#65
 1,2-Dichlorobenzene
 Concen: 4.432 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

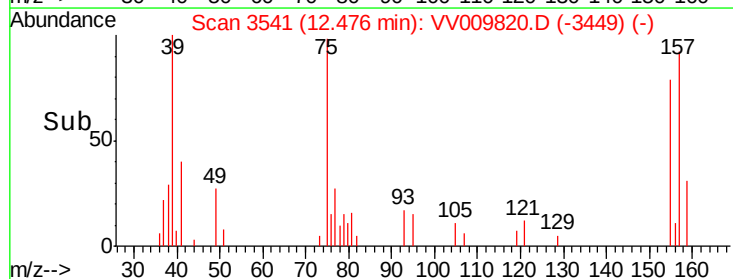
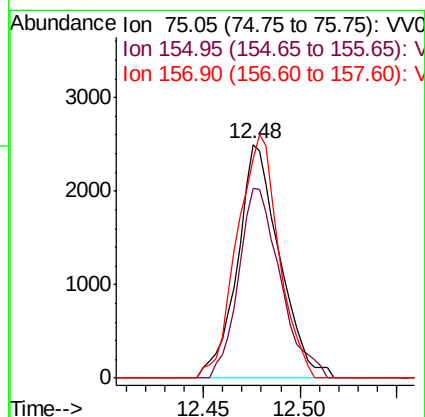
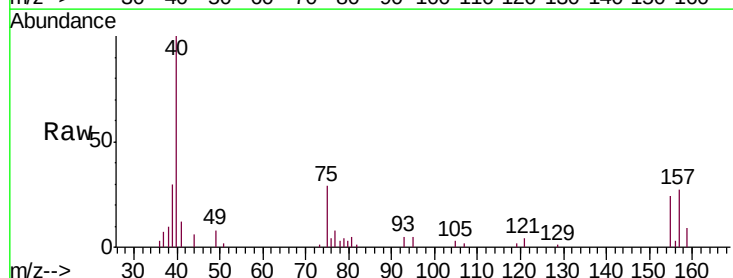
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

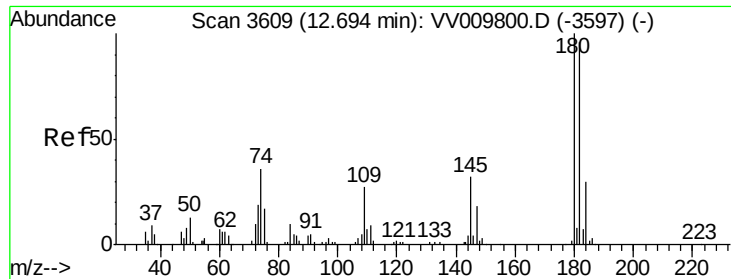
Tgt Ion: 146 Resp: 79338
 Ion Ratio Lower Upper
 146 100
 111 42.7 34.7 52.1
 148 61.9 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 3.945 ug/L
 RT: 12.48 min Scan# 3541
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion: 75 Resp: 3777
 Ion Ratio Lower Upper
 75 100
 155 81.1 73.5 110.3
 157 93.6 88.3 132.5

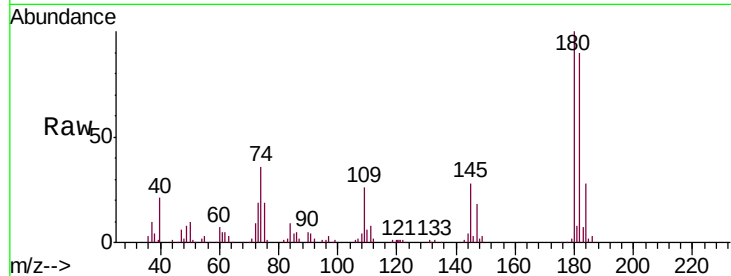




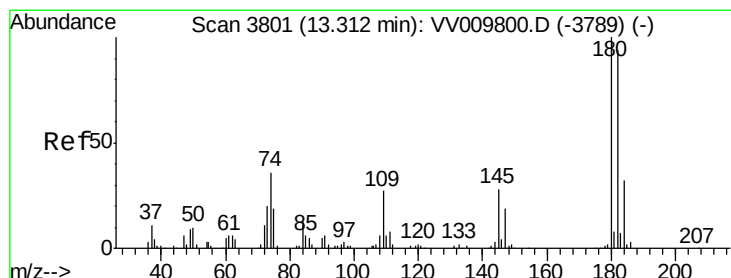
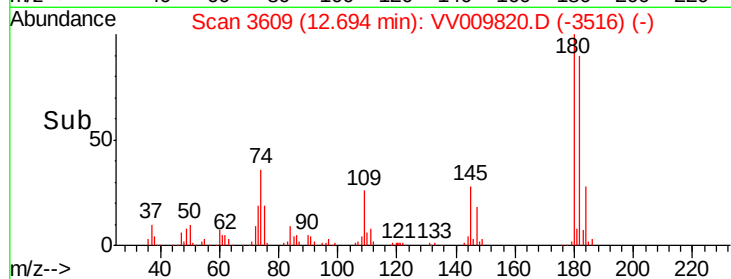
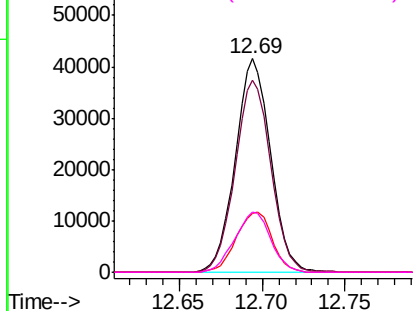
#67
 1,3,5-Trichlorobenzene
 Concen: 4.263 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00539

Tgt Ion:180 Resp: 61387
 Ion Ratio Lower Upper
 180 100
 182 91.2 75.0 112.6
 184 28.7 23.9 35.9
 145 28.9 25.3 37.9

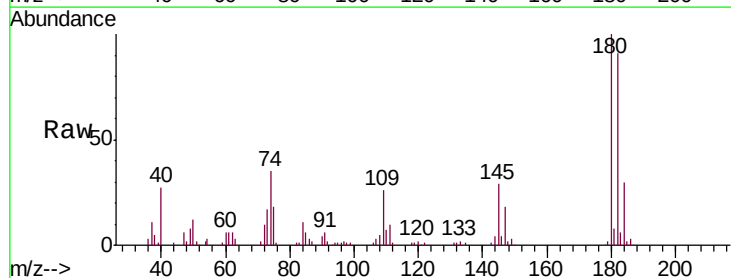


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

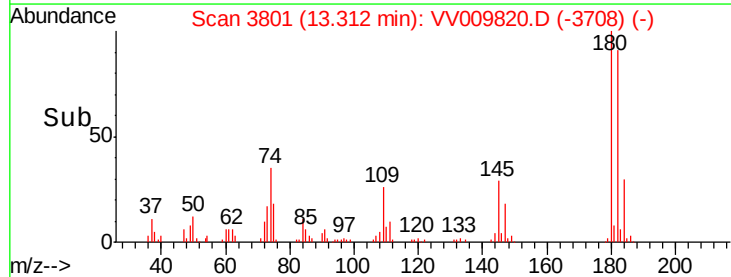
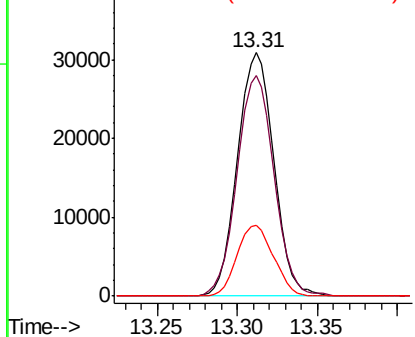


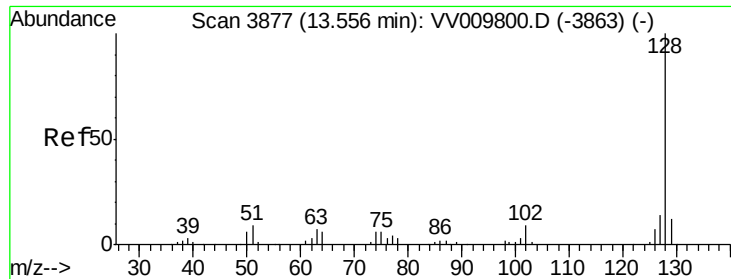
#68
 1,2,4-trichlorobenzene
 Concen: 4.422 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009820.D
 Acq: 22 Mar 2019 11:57

Tgt Ion:180 Resp: 47732
 Ion Ratio Lower Upper
 180 100
 182 92.2 75.2 112.8
 145 29.1 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: 4.102 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

Instrument :

MSVOA_V

ClientSampled :

VSTD00539

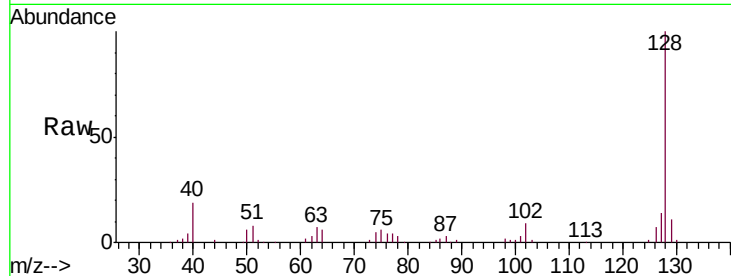
Tgt Ion:128 Resp: 69526

Ion Ratio Lower Upper

128 100

129 10.8 8.9 13.3

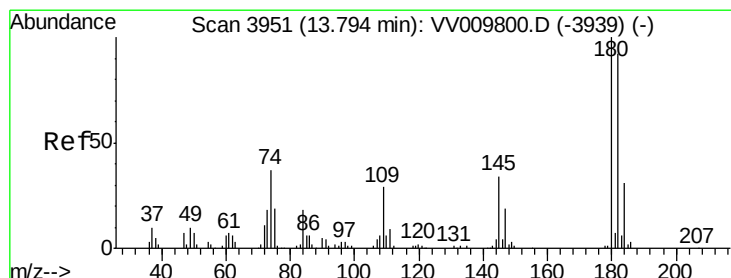
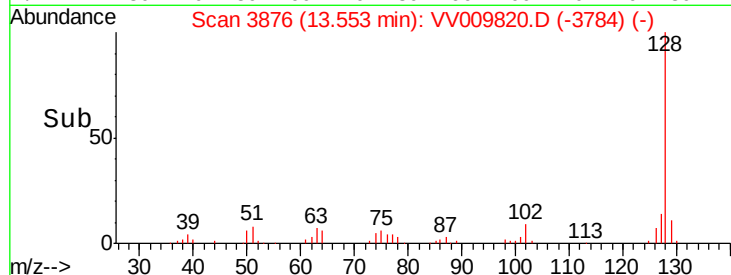
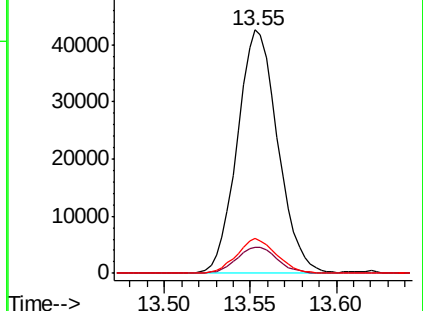
127 14.0 10.4 15.6



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: 4.322 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009820.D

Acq: 22 Mar 2019 11:57

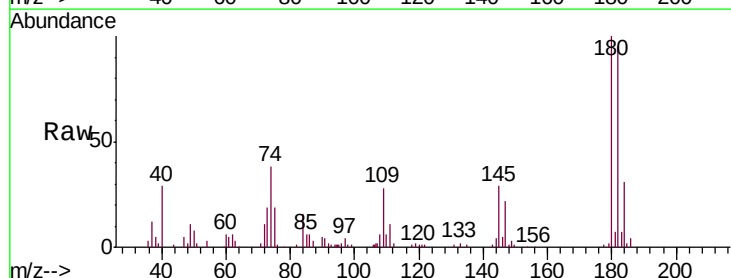
Tgt Ion:180 Resp: 43304

Ion Ratio Lower Upper

180 100

182 96.1 76.8 115.2

145 30.7 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

