

Data File : VV009188.D
Acq On : 07 Jan 2019 17:49
Operator : SY/MD
Sample : VSTDCCC025EC
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Quant Time: Jan 08 00:32:02 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM010419S.M
Quant Title : VOC Analysis
QLast Update : Tue Jan 08 00:28:03 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	194559	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	175399	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	89633	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26304	19.77	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	79.08%
7) Chloroethane-d5	1.58	69	25387	19.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	78.68%
10) 1,1-Dichloroethene-d2	2.13	63	96418	21.68	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	86.72%
20) 2-Butanone-d5	3.96	46	50099	53.51	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	107.02%
24) Chloroform-d	4.40	84	96325	23.51	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.04%
26) 1,2-Dichloroethane-d4	5.08	65	52855	24.12	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	96.48%
29) Benzene-d6	5.10	84	181294	23.20	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.80%
33) 1,2-Dichloropropane-d6	6.12	67	53942	24.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.32%
37) Toluene-d8	7.36	98	165293	22.42	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.68%
38) trans-1,3-Dichloropropene-	7.67	79	24701	23.24	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.96%
39) 2-Hexanone-d5	8.14	63	29502	55.79	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.58%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	63071	25.61	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	102.44%
61) 1,2-Dichlorobenzene-d4	11.67	152	69202	22.84	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	91.36%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	73849	23.614 ug/L	99
3) Chloromethane	1.25	50	48400	22.850 ug/L	100
5) Vinyl chloride	1.32	62	54176	23.887 ug/L	100
6) Bromomethane	1.53	94	36109	22.602 ug/L	96
8) Chloroethane	1.60	64	32928	23.559 ug/L	98
9) Trichlorofluoromethane	1.76	101	111592	26.838 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70156	25.334 ug/L	97
12) 1,1-Dichloroethene	2.14	96	58568	24.387 ug/L	97
13) Acetone	2.21	43	60508	45.604 ug/L	99
14) Carbon disulfide	2.32	76	161314	23.507 ug/L	99
15) Methyl Acetate	2.47	43	43478	26.483 ug/L	95
16) Methylene chloride	2.53	84	66372	22.835 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	158819	26.999 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	64146	25.203 ug/L	99
19) 1,1-Dichloroethane	3.23	63	107012	25.320 ug/L	99
21) 2-Butanone	4.04	43	67966	58.564 ug/L #	90
22) cis-1,2-Dichloroethene	3.96	96	69357	25.491 ug/L	98

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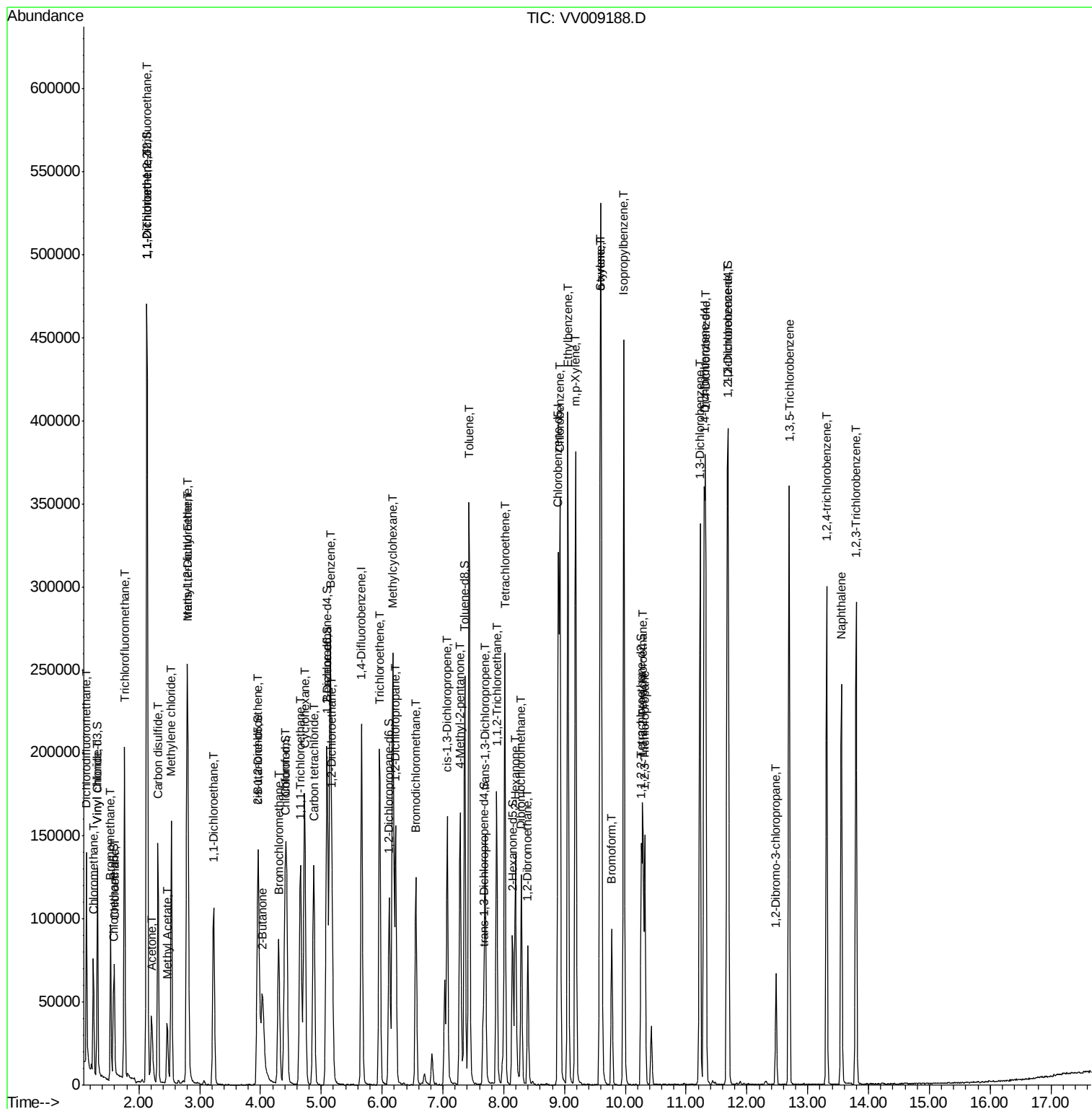
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	33580	26.233	ug/L	94
25) Chloroform	4.43	83	115843	25.739	ug/L	99
27) 1,2-Dichloroethane	5.18	62	78271	25.890	ug/L	99
30) Cyclohexane	4.72	56	96819	24.899	ug/L	99
31) 1,1,1-Trichloroethane	4.66	97	109402	25.655	ug/L	99
32) Carbon tetrachloride	4.88	117	99535	25.501	ug/L	97
34) Benzene	5.15	78	245017	25.985	ug/L	100
35) Trichloroethene	5.96	95	69521	25.592	ug/L	96
36) Methylcyclohexane	6.18	83	113430	24.991	ug/L	98
40) 1,2-Dichloropropane	6.22	63	59021	25.970	ug/L	99
41) Bromodichloromethane	6.56	83	83473	26.796	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	96892	26.904	ug/L	97
43) 4-Methyl-2-pentanone	7.28	43	116754	53.895	ug/L	99
44) Toluene	7.43	91	259066	25.484	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	85055	26.975	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	54796	27.280	ug/L	98
47) Tetrachloroethene	8.02	164	59498	25.281	ug/L	97
49) 2-Hexanone	8.19	43	90312	56.647	ug/L	98
50) Dibromochloromethane	8.29	129	66244	26.845	ug/L	97
51) 1,2-Dibromoethane	8.40	107	55744	26.540	ug/L	95
52) Chlorobenzene	8.93	112	177247	25.411	ug/L	99
53) Ethylbenzene	9.05	91	291018	25.313	ug/L	98
54) m,p-Xylene	9.18	106	113526	25.345	ug/L	99
55) o-xylene	9.59	106	105859	25.559	ug/L	98
56) Styrene	9.60	104	181399	25.967	ug/L	98
57) Isopropylbenzene	9.97	105	299942	26.102	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	76321	28.358	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	59833	27.815	ug/L	99
62) Bromoform	9.78	173	43462	27.456	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	141622	25.076	ug/L	99
64) 1,4-Dichlorobenzene	11.32	146	145815	24.769	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	136037	25.287	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	15623	27.973	ug/L #	89
67) 1,3,5-Trichlorobenzene	12.69	180	114742	25.192	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	91057	24.561	ug/L	99
69) Naphthalene	13.55	128	192133	25.444	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	86603	25.454	ug/L	99

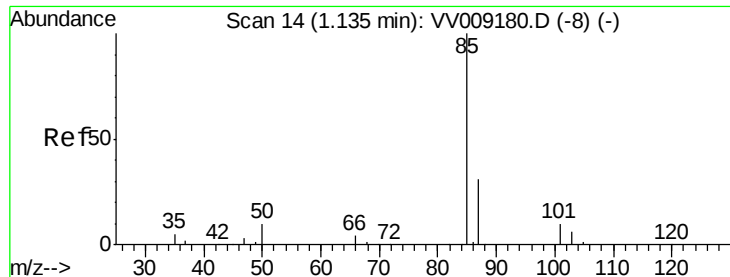
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.614 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

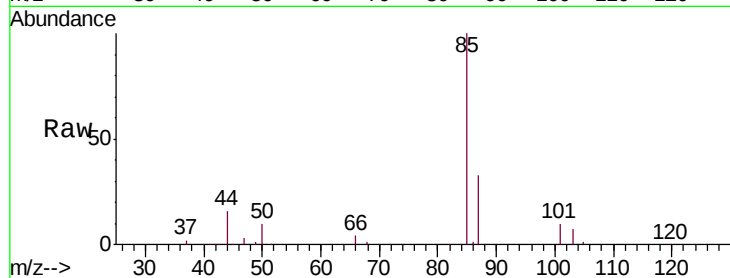
VSTD02576

Tgt Ion: 85 Resp: 73849

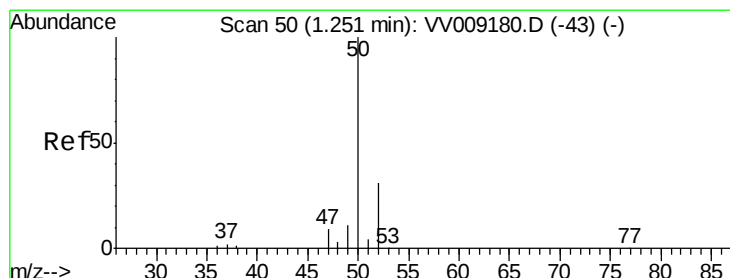
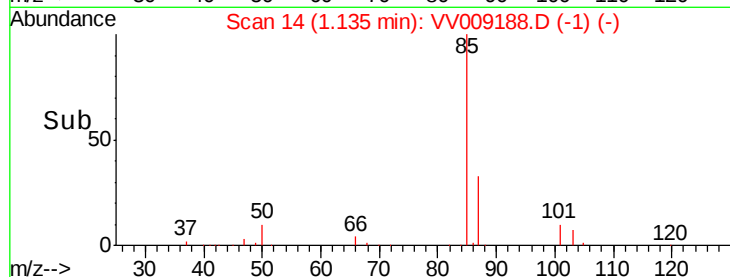
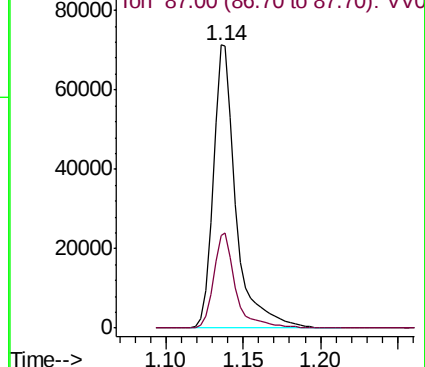
Ion Ratio Lower Upper

85 100

87 32.6 22.5 41.7



Abundance Ion 85.00 (84.70 to 85.70): VV009188.D (-8) (-)



#3

Chloromethane

Concen: 22.850 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009188.D

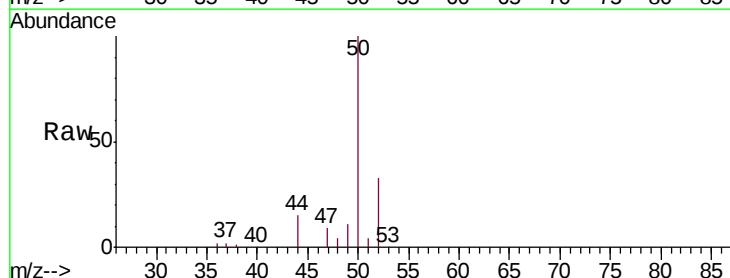
Acq: 07 Jan 2019 17:49

Tgt Ion: 50 Resp: 48400

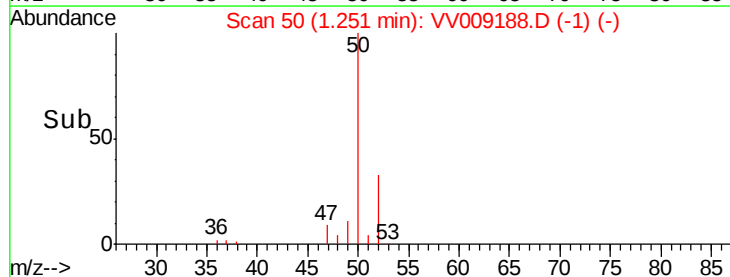
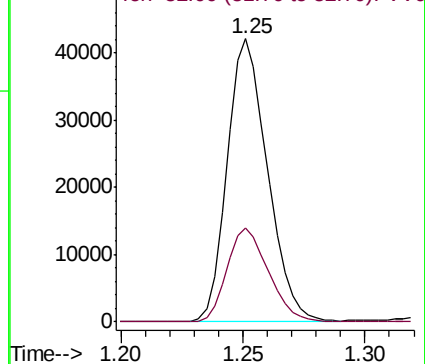
Ion Ratio Lower Upper

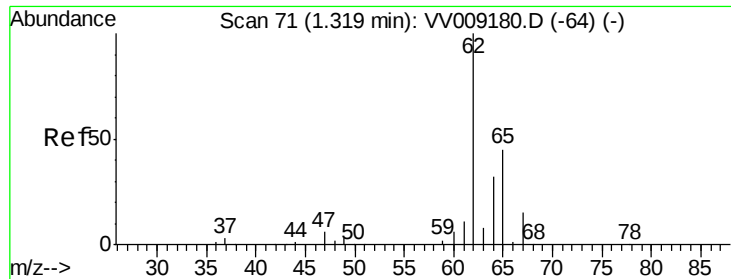
50 100

52 33.1 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV009188.D (-43) (-)





#5

Vinyl chloride

Concen: 23.887 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

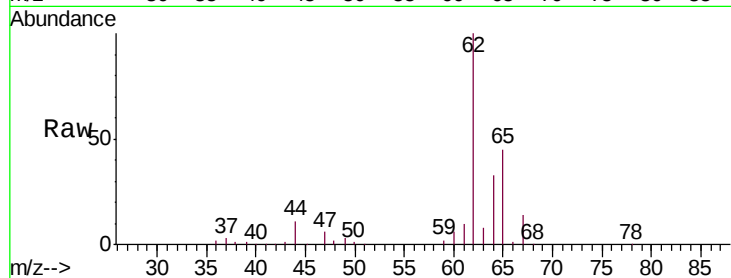
VSTD02576

Tgt Ion: 62 Resp: 54176

Ion Ratio Lower Upper

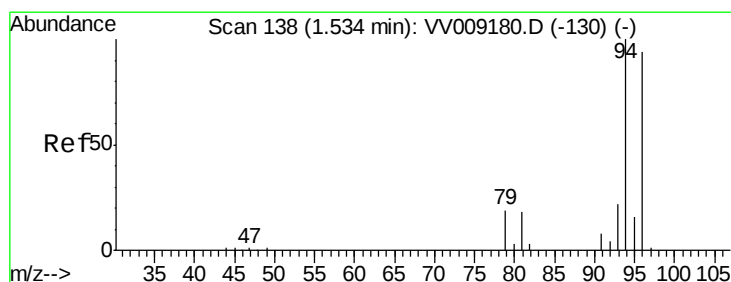
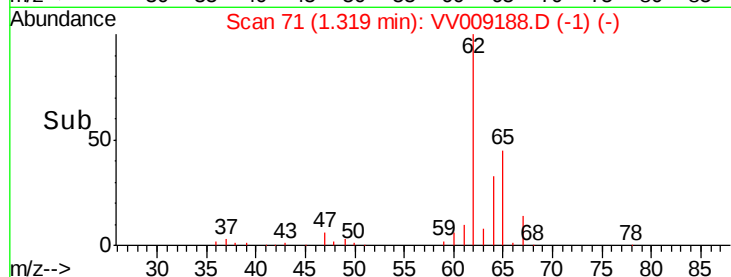
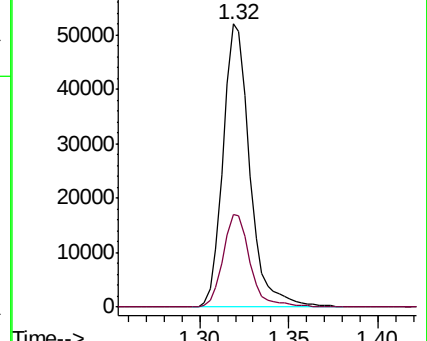
62 100

64 32.7 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV009188.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV009188.D (-64) (-)



#6

Bromomethane

Concen: 22.602 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV009188.D

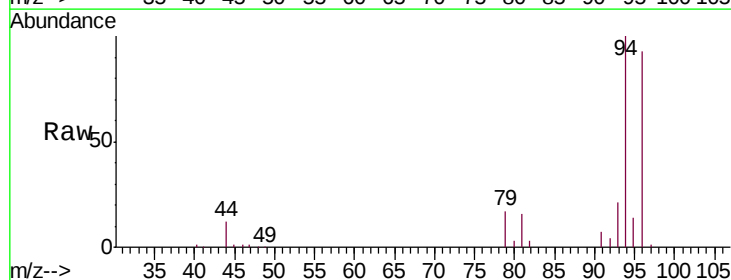
Acq: 07 Jan 2019 17:49

Tgt Ion: 94 Resp: 36109

Ion Ratio Lower Upper

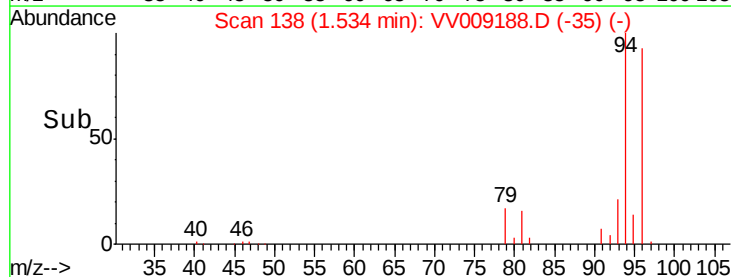
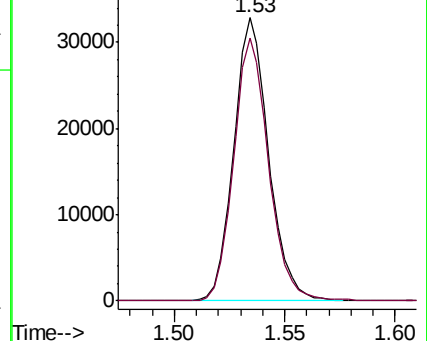
94 100

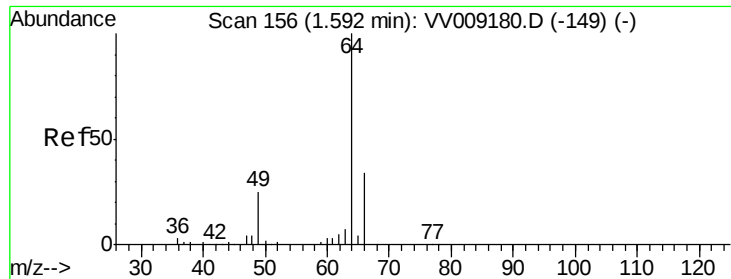
96 93.0 9.7 185.1



Abundance Ion 94.00 (93.70 to 94.70): VV009188.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV009188.D (-130) (-)





#8

Chloroethane

Concen: 23.559 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

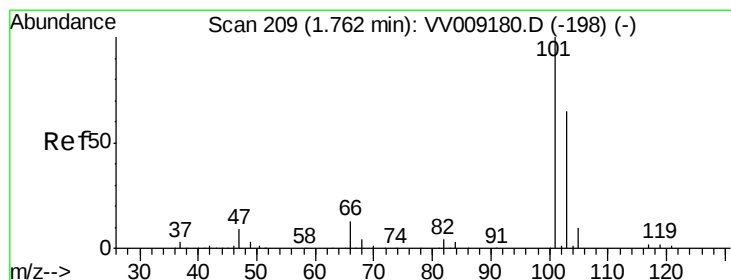
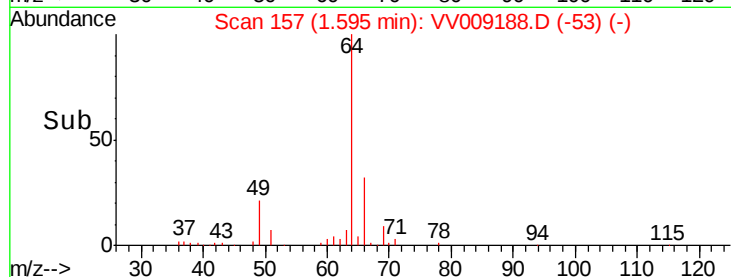
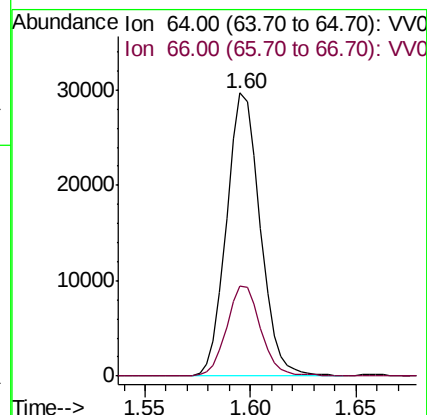
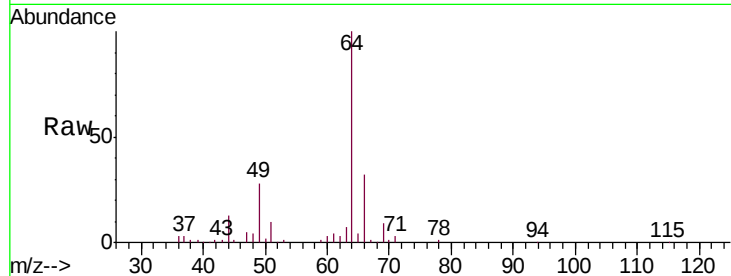
VSTD02576

Tgt Ion: 64 Resp: 32928

Ion Ratio Lower Upper

64 100

66 32.0 23.2 43.0



#9

Trichlorofluoromethane

Concen: 26.838 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009188.D

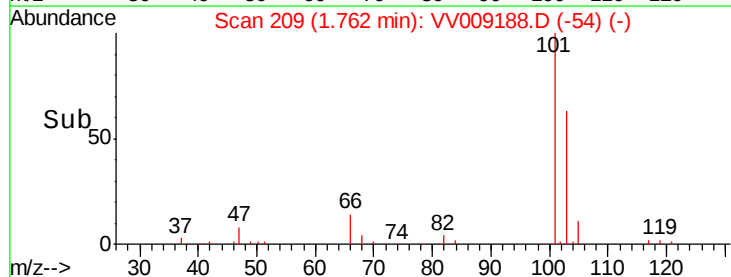
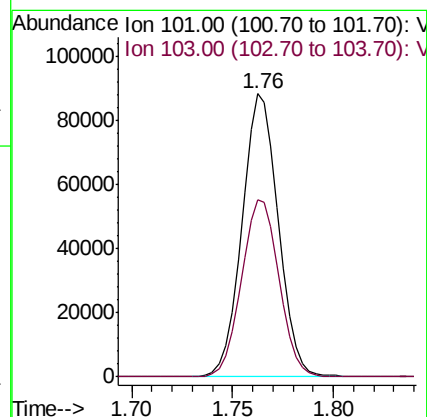
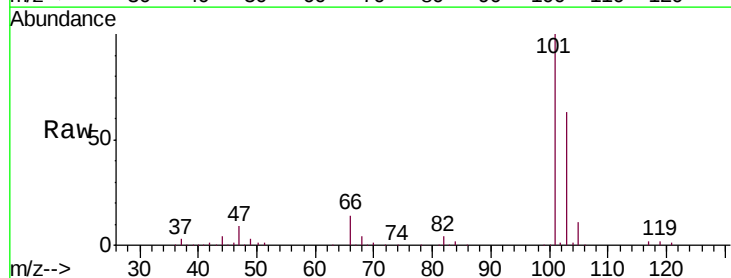
Acq: 07 Jan 2019 17:49

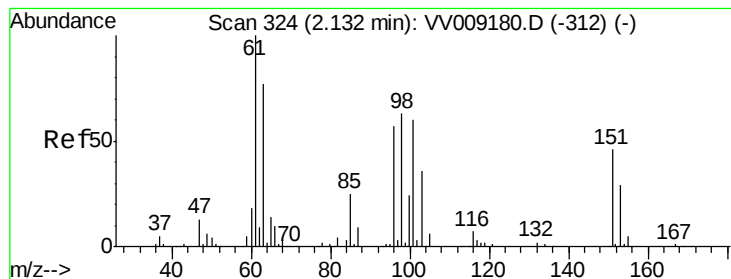
Tgt Ion: 101 Resp: 111592

Ion Ratio Lower Upper

101 100

103 64.8 46.0 85.4





#11

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

Concen: 25.334 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009188.D

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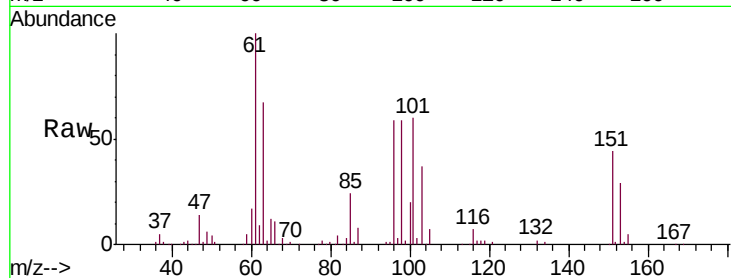
Tgt Ion: 101 Resp: 70156

Ion Ratio Lower Upper

101 100

85 42.1 34.6 52.0

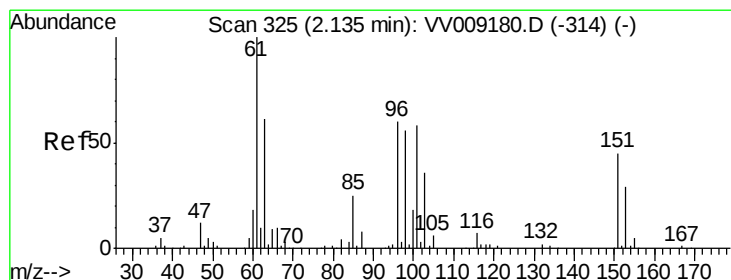
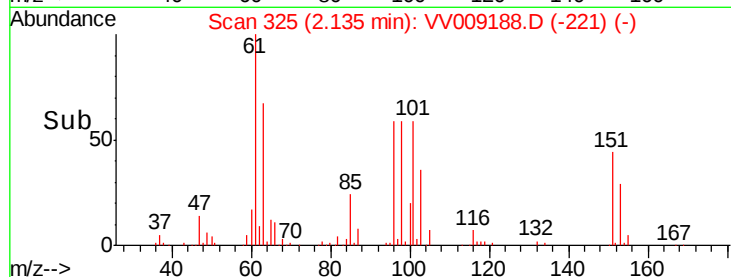
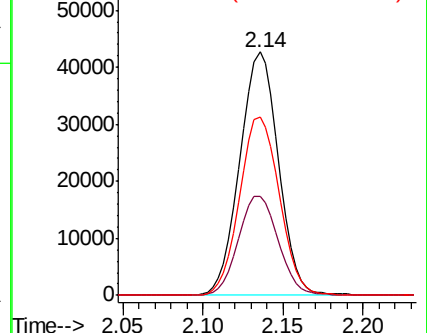
151 75.5 62.6 94.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.387 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

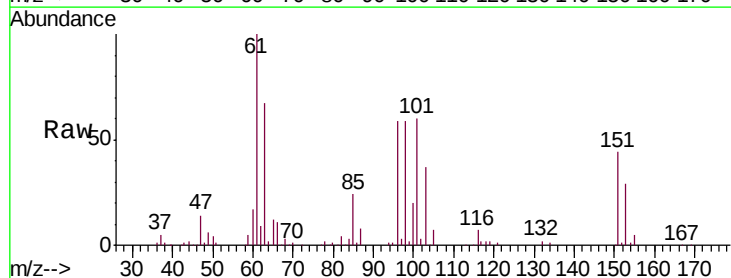
Tgt Ion: 96 Resp: 58568

Ion Ratio Lower Upper

96 100

61 170.9 117.0 217.4

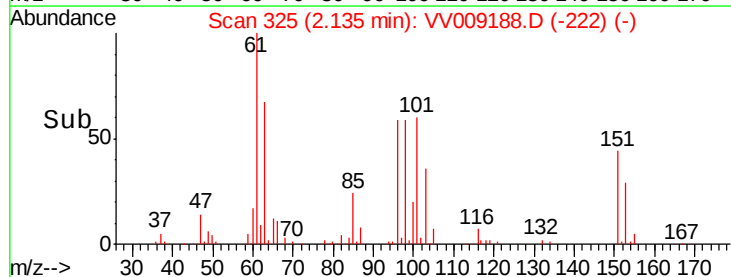
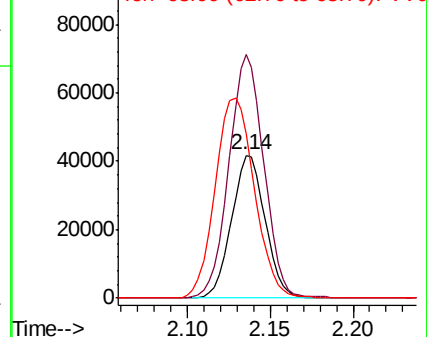
63 115.0 78.2 145.2

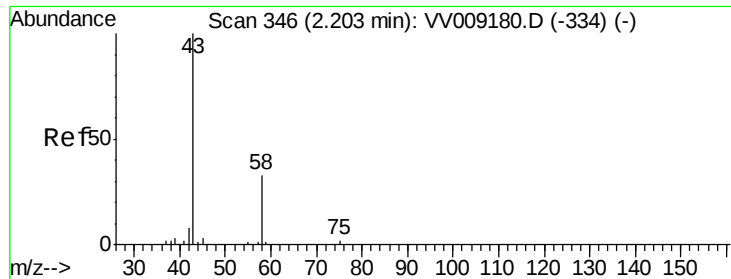


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 45.604 ug/L

RT: 2.21 min Scan# 348

Delta R.T. 0.01 min

Lab File: VV009188.D

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ClientSampleId :

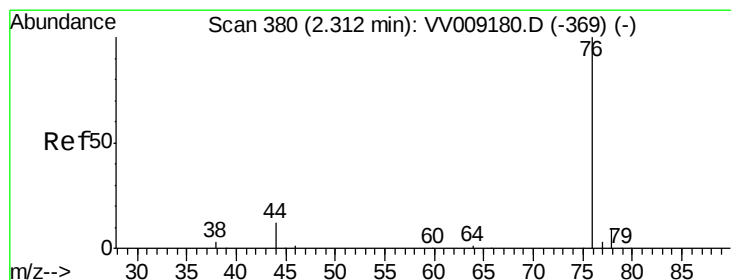
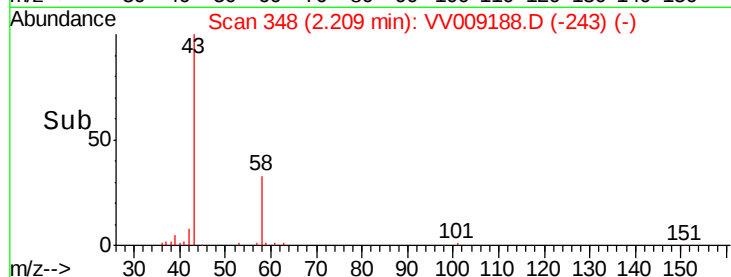
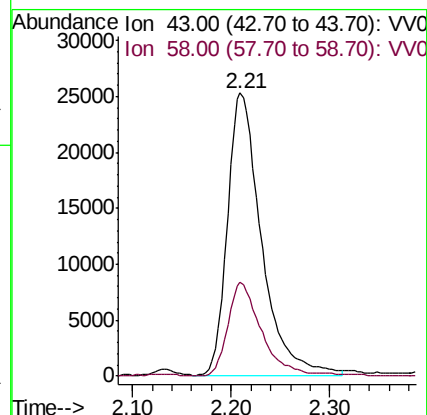
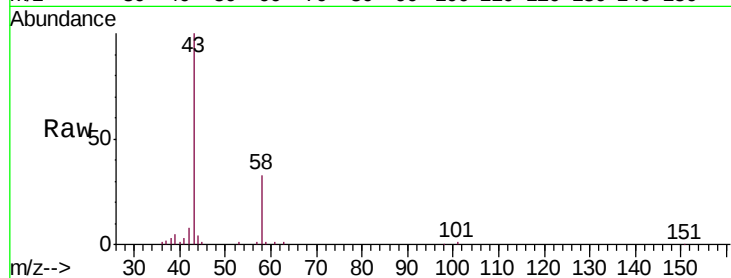
VSTD02576

Tgt Ion: 43 Resp: 60508

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.0



#14

Carbon disulfide

Concen: 23.507 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009188.D

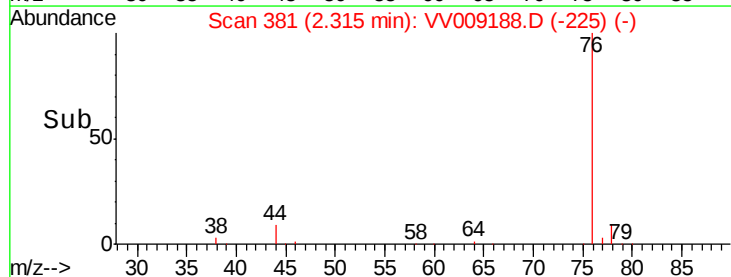
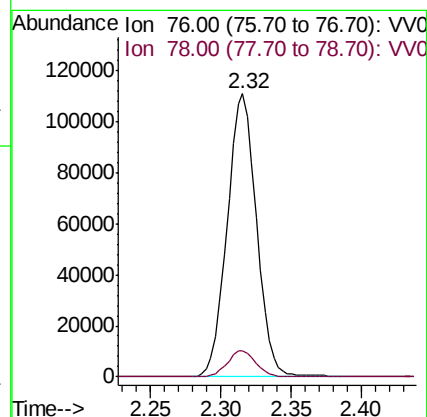
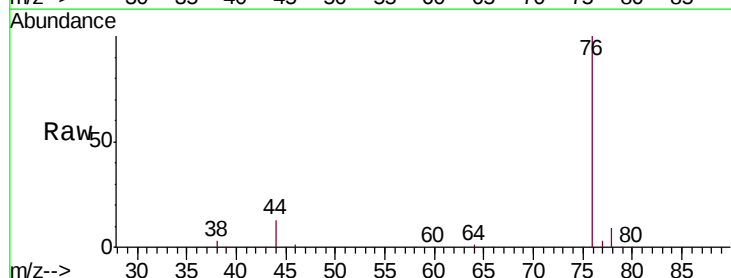
Acq: 07 Jan 2019 17:49

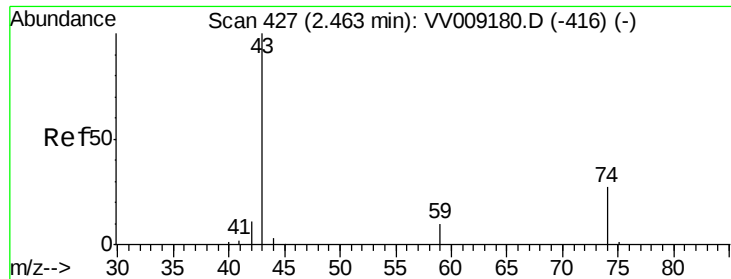
Tgt Ion: 76 Resp: 161314

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9





#15

Methyl Acetate

Concen: 26.483 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

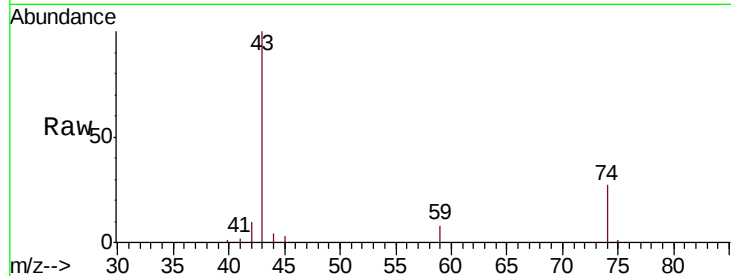
VSTD02576

Tgt Ion: 43 Resp: 43478

Ion Ratio Lower Upper

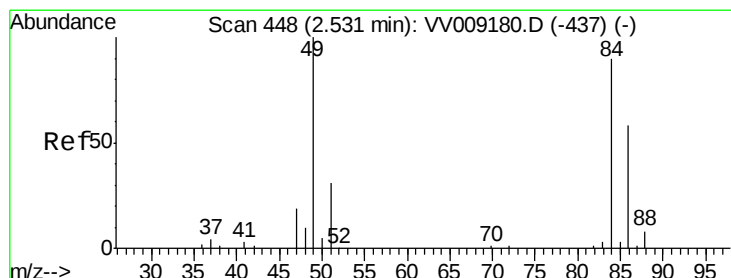
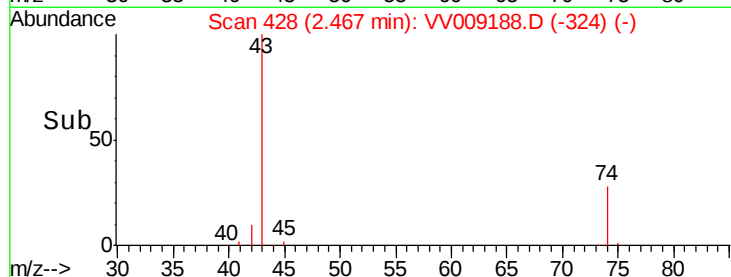
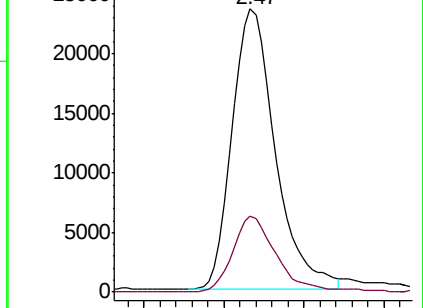
43 100

74 26.9 19.4 29.0



Abundance Ion 43.00 (42.70 to 43.70): VV009188.D (-416) (-)

Ion 74.00 (73.70 to 74.70): VV009188.D (-416) (-)



#16

Methylene chloride

Concen: 22.835 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

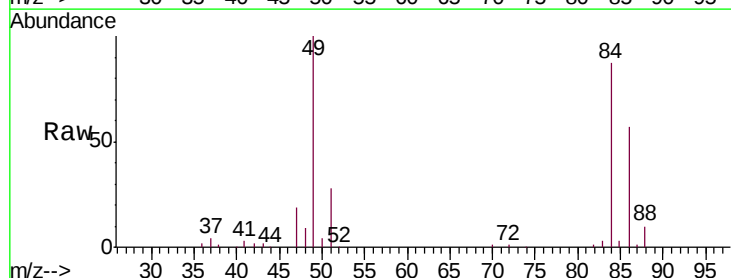
Tgt Ion: 84 Resp: 66372

Ion Ratio Lower Upper

84 100

49 114.8 77.6 144.2

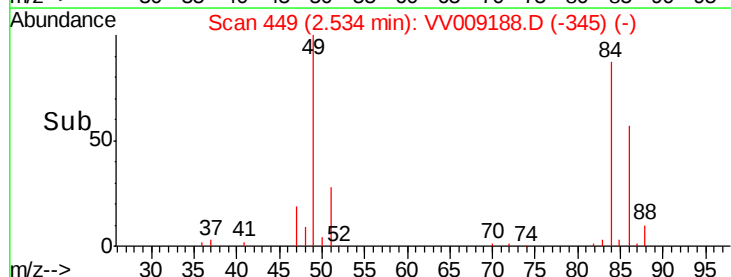
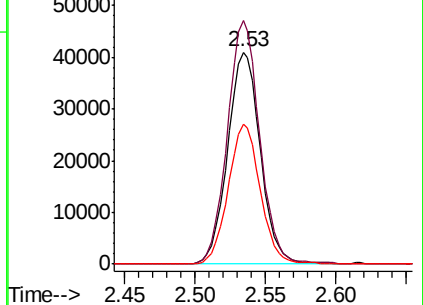
86 65.8 47.4 88.0

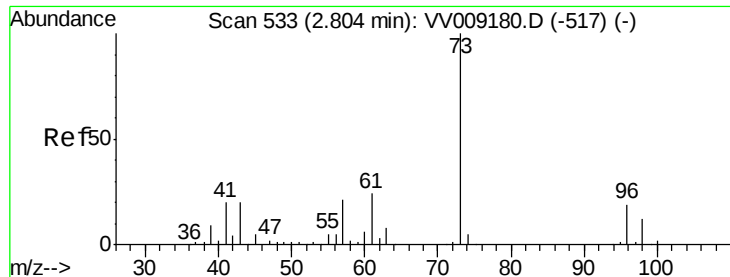


Abundance Ion 84.00 (83.70 to 84.70): VV009188.D (-437) (-)

Ion 49.00 (48.70 to 49.70): VV009188.D (-437) (-)

Ion 86.00 (85.70 to 86.70): VV009188.D (-437) (-)





#17

Methyl tert-butyl Ether

Concen: 26.999 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

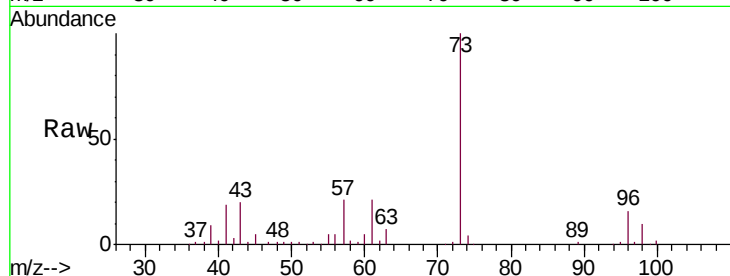
Tgt Ion: 73 Resp: 158819

Ion Ratio Lower Upper

73 100

43 18.7 15.4 23.2

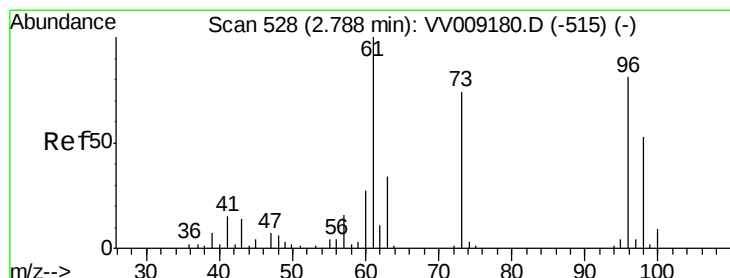
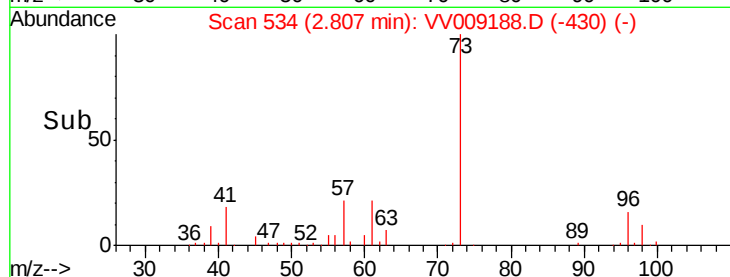
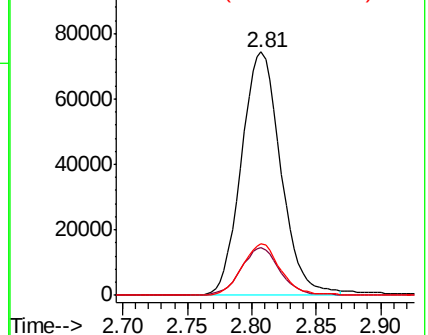
57 20.3 16.2 24.2



Abundance Ion 73.00 (72.70 to 73.70): VV009188.D (-517) (-)

Ion 43.00 (42.70 to 43.70): VV009188.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VV009188.D (-517) (-)



#18

trans-1,2-Dichloroethene

Concen: 25.203 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

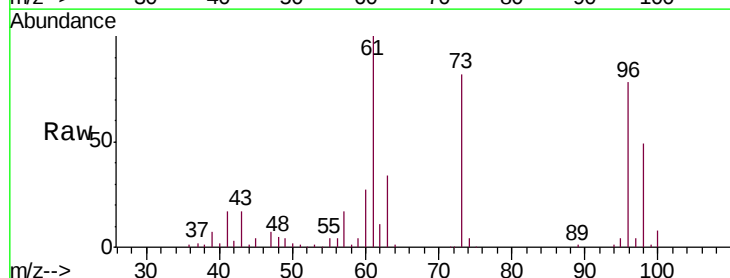
Tgt Ion: 96 Resp: 64146

Ion Ratio Lower Upper

96 100

61 127.9 88.8 164.8

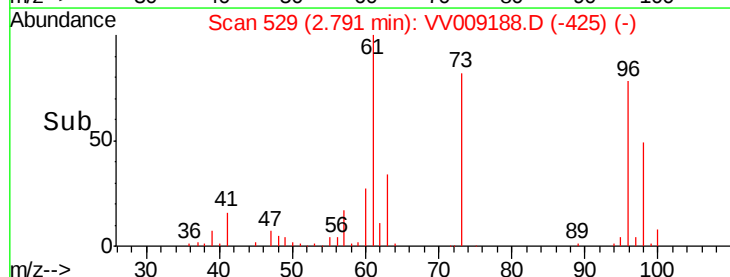
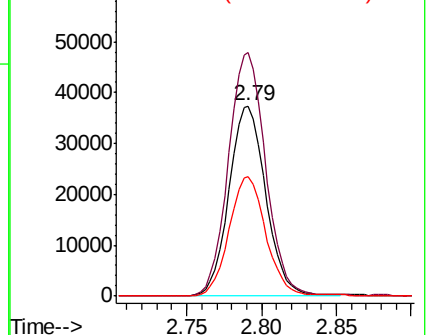
98 63.0 43.5 80.9

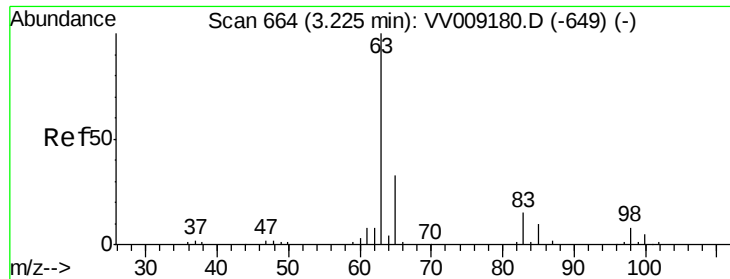


Abundance Ion 96.00 (95.70 to 96.70): VV009188.D (-425) (-)

Ion 61.00 (60.70 to 61.70): VV009188.D (-425) (-)

Ion 98.00 (97.70 to 98.70): VV009188.D (-425) (-)

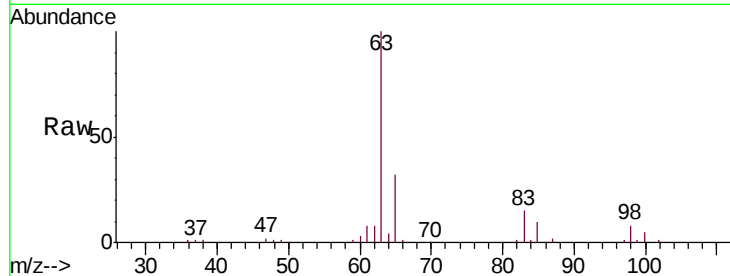




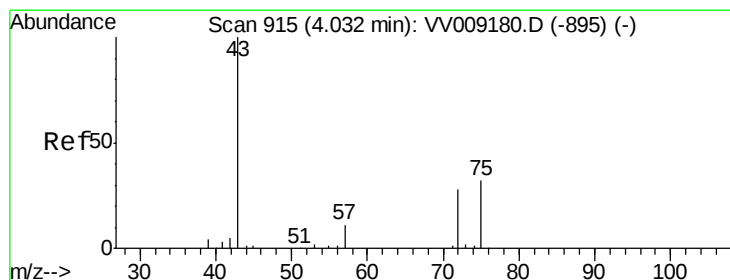
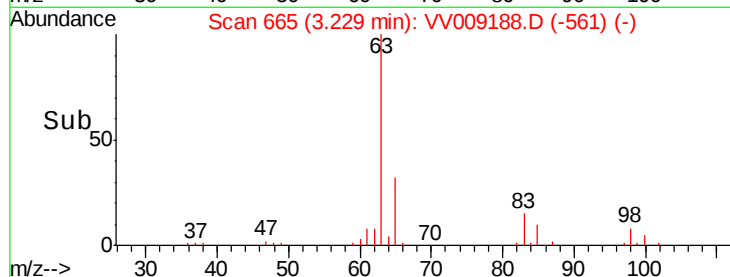
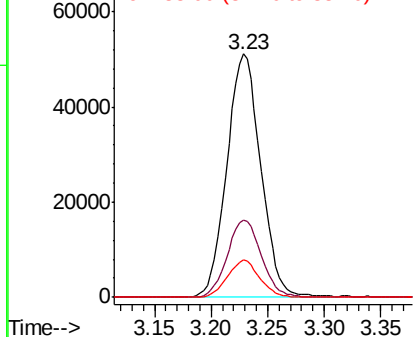
#19
 1,1-Dichloroethane
 Concen: 25.320 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV009188.D
 Acq: 07 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Tgt Ion: 63 Resp: 107012
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.6 42.0
 83 15.2 9.9 18.3

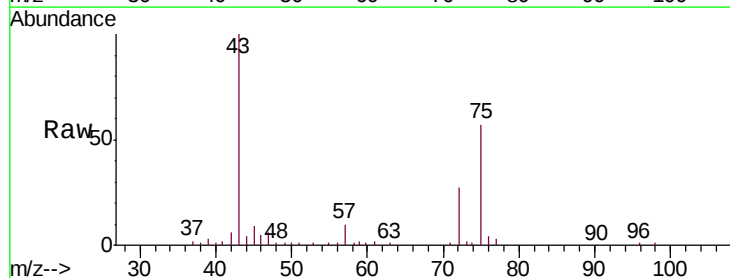


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

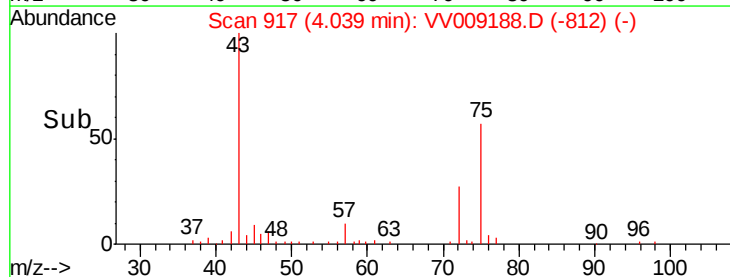
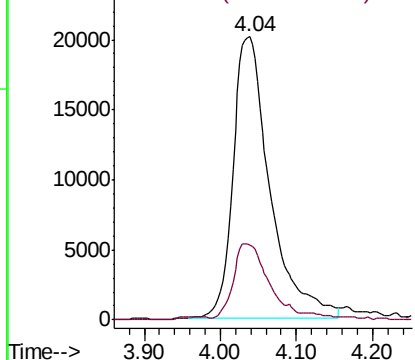


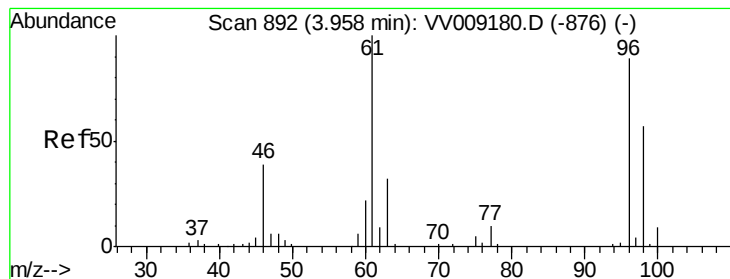
#21
 2-Butanone
 Concen: 58.564 ug/L
 RT: 4.04 min Scan# 917
 Delta R.T. 0.01 min
 Lab File: VV009188.D
 Acq: 07 Jan 2019 17:49

Tgt Ion: 43 Resp: 67966
 Ion Ratio Lower Upper
 43 100
 72 23.4 0.1 0.1#



Abundance Ion 43.00 (42.70 to 43.70): VV0
 Ion 72.00 (71.70 to 72.70): VV0



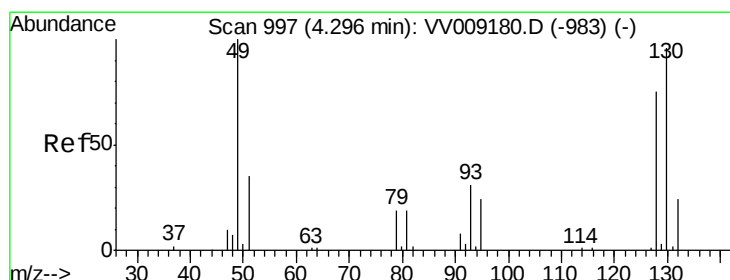
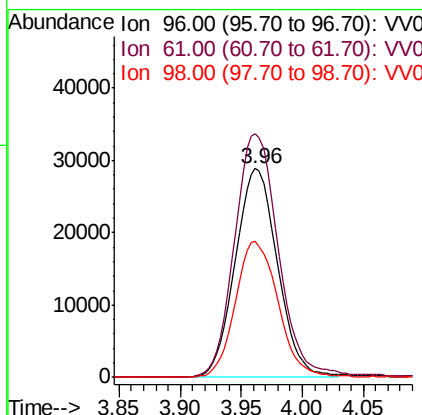
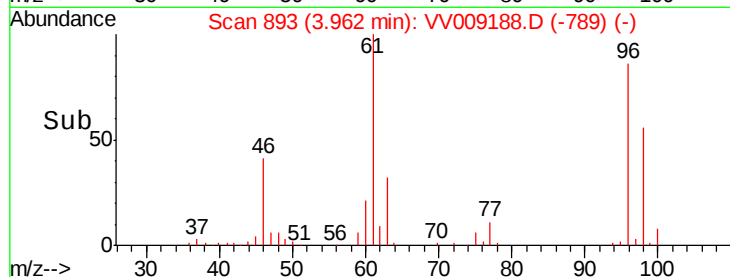
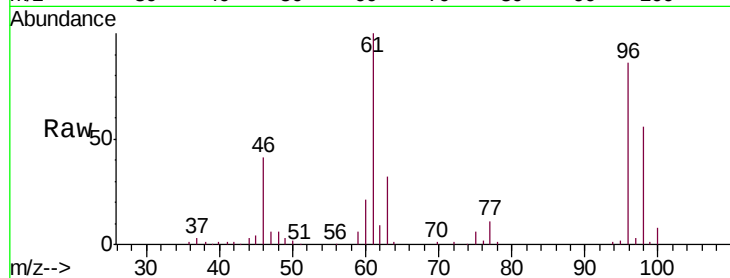


#22

cis-1,2-Dichloroethene
Concen: 25.491 ug/L
RT: 3.96 min Scan# 893
Delta R.T. 0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

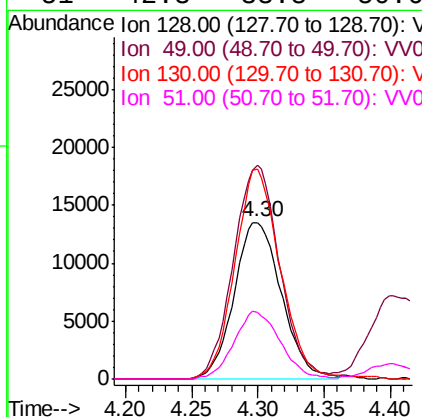
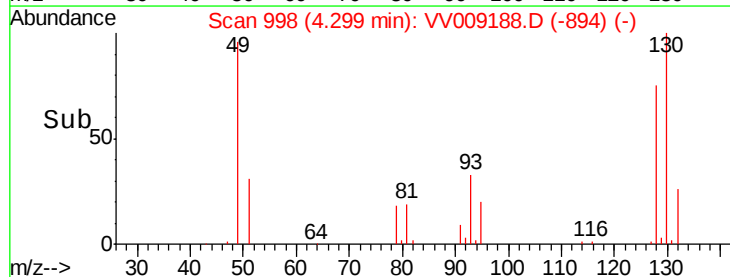
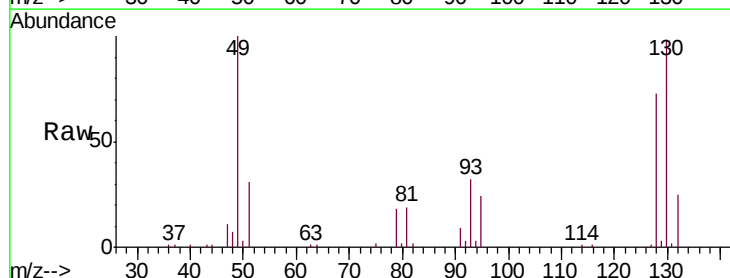
Tgt Ion: 96 Resp: 69357
Ion Ratio Lower Upper
96 100
61 116.5 83.2 154.6
98 65.1 45.8 85.2

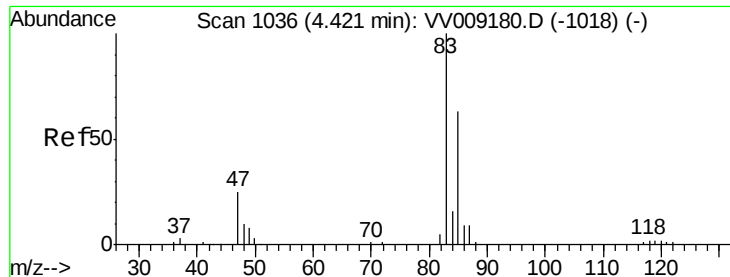


#23

Bromochloromethane
Concen: 26.233 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Tgt Ion: 128 Resp: 33580
Ion Ratio Lower Upper
128 100
49 136.5 89.9 167.0
130 134.2 87.8 163.2
51 42.3 33.8 50.6

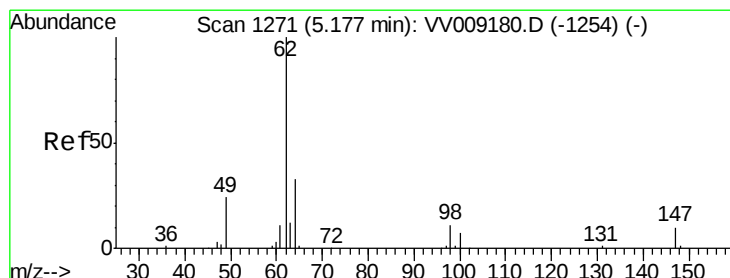
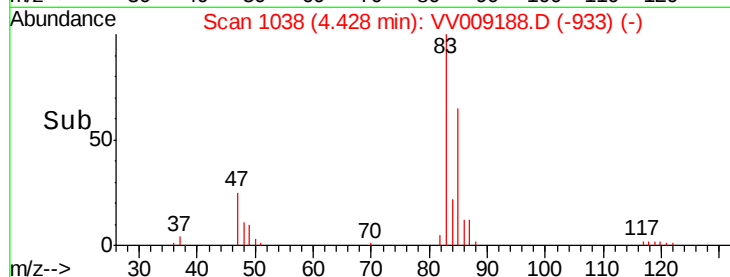
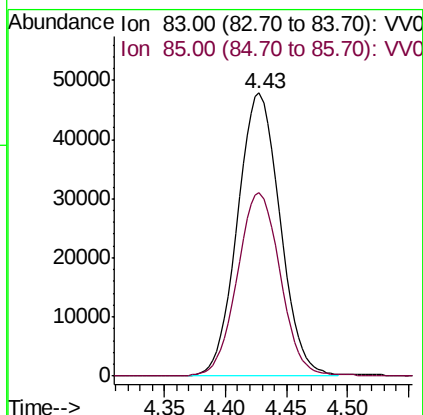
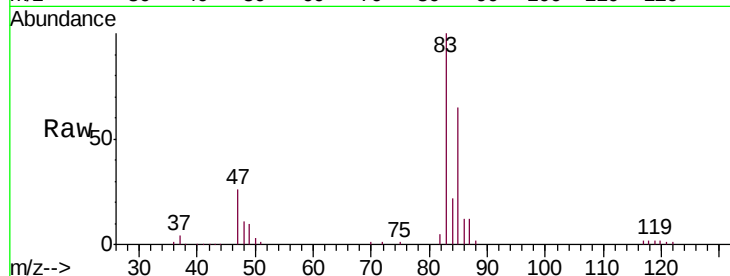




#25
Chloroform
Concen: 25.739 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.01 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

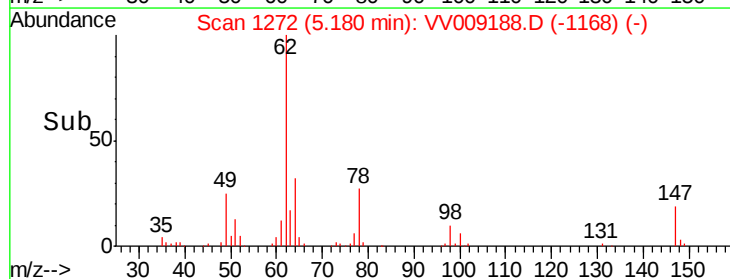
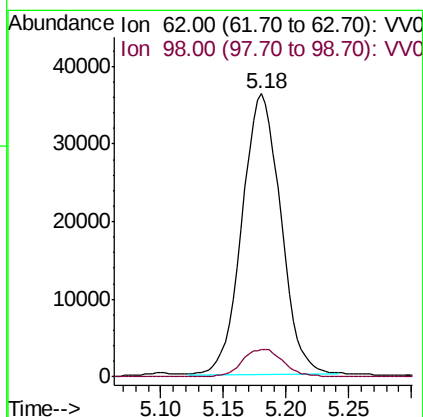
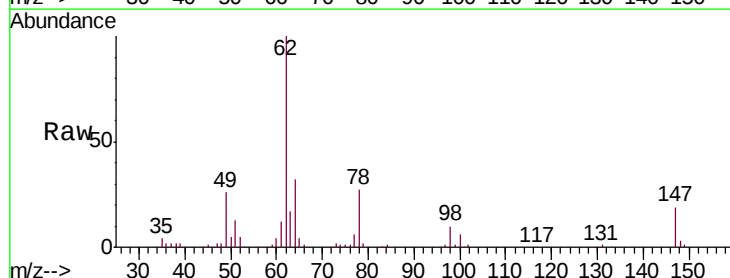
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

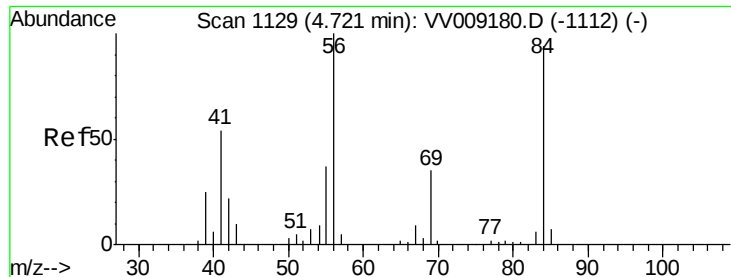
Tgt Ion: 83 Resp: 115843
Ion Ratio Lower Upper
83 100
85 65.3 45.3 84.1



#27
1,2-Dichloroethane
Concen: 25.890 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Tgt Ion: 62 Resp: 78271
Ion Ratio Lower Upper
62 100
98 9.6 8.1 12.1

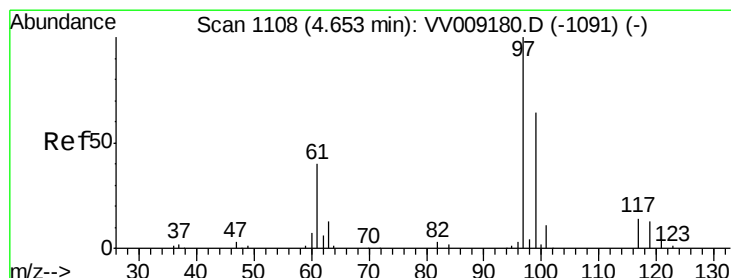
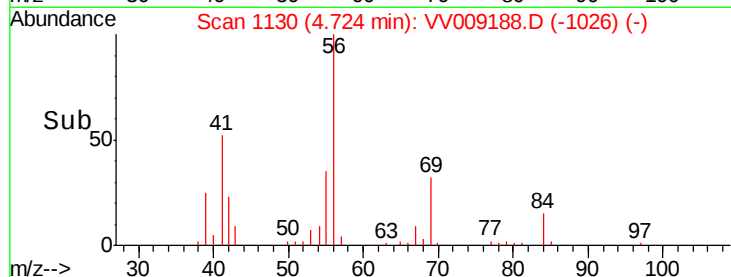
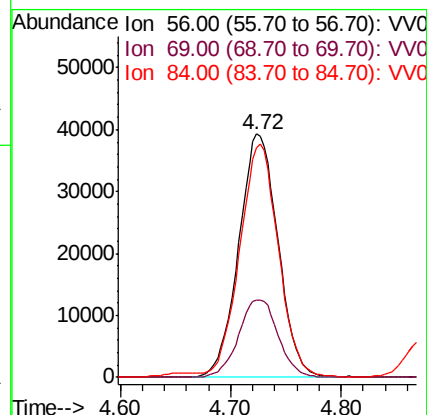
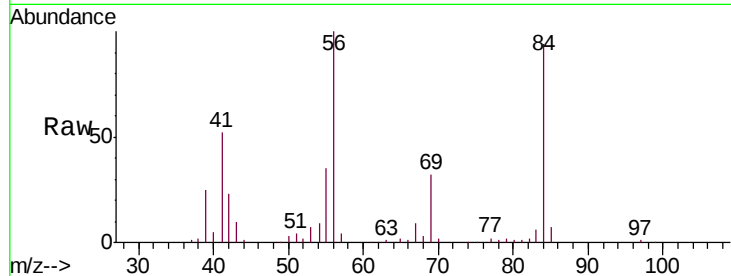




#30
Cyclohexane
Concen: 24.899 ug/L
RT: 4.72 min Scan# 1130
Delta R.T. 0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

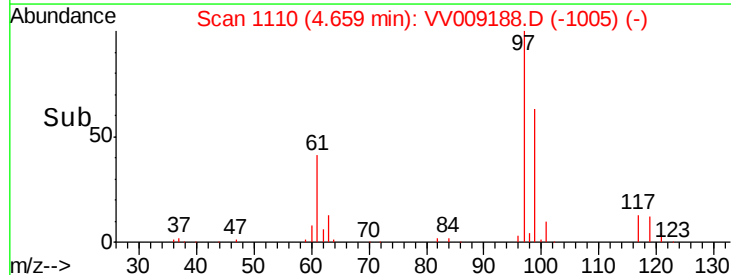
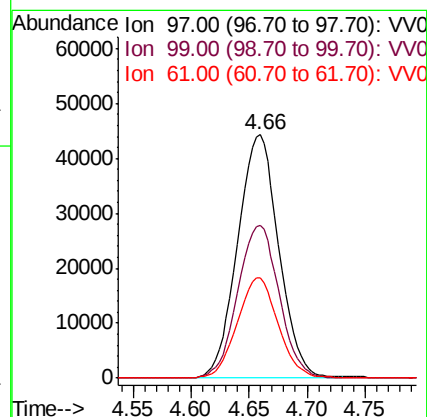
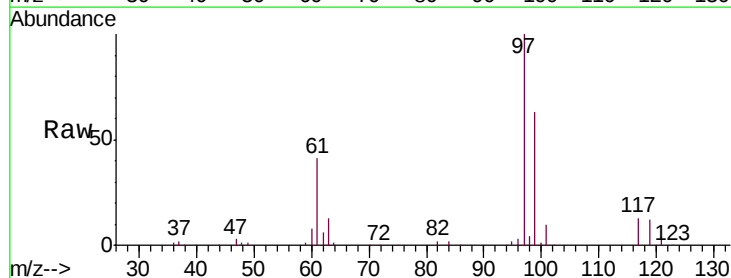
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

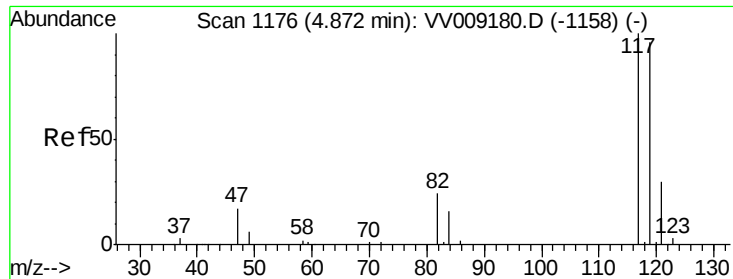
Tgt Ion: 56 Resp: 96819
Ion Ratio Lower Upper
56 100
69 32.1 26.0 39.0
84 94.6 77.0 115.4



#31
1,1,1-Trichloroethane
Concen: 25.655 ug/L
RT: 4.66 min Scan# 1110
Delta R.T. 0.01 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Tgt Ion: 97 Resp: 109402
Ion Ratio Lower Upper
97 100
99 63.1 51.2 76.8
61 40.9 31.8 47.6





#32

Carbon tetrachloride

Concen: 25.501 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.01 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

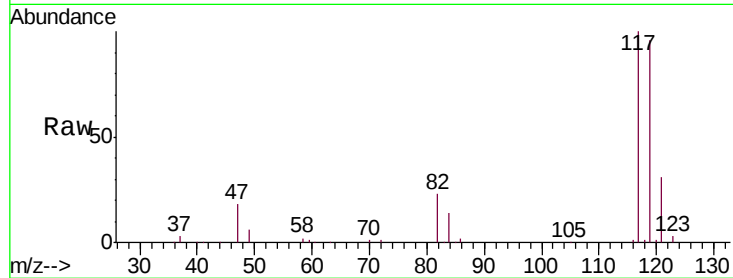
VSTD02576

Tgt Ion:117 Resp: 99535

Ion Ratio Lower Upper

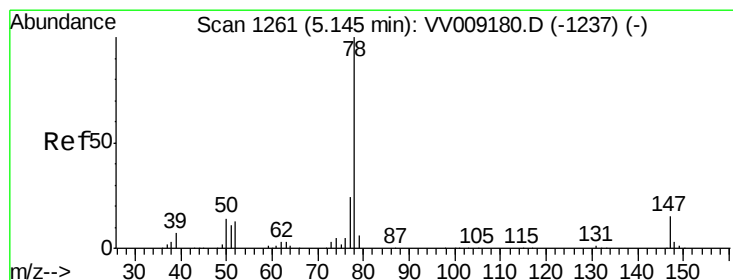
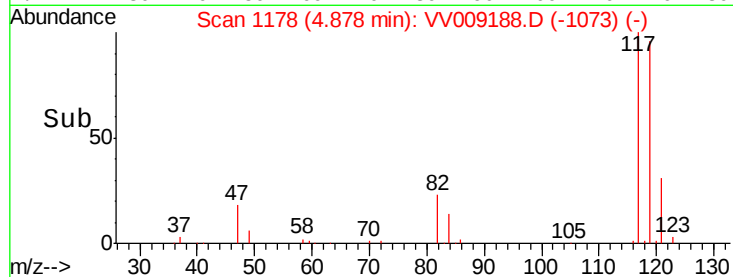
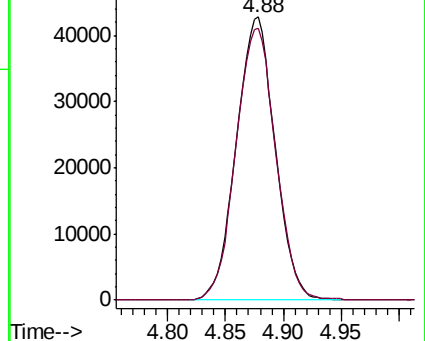
117 100

119 98.3 76.6 115.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 25.985 ug/L

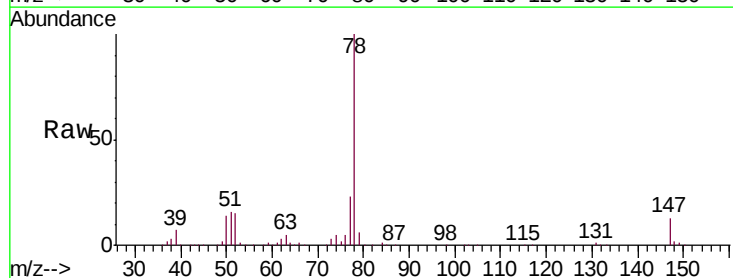
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

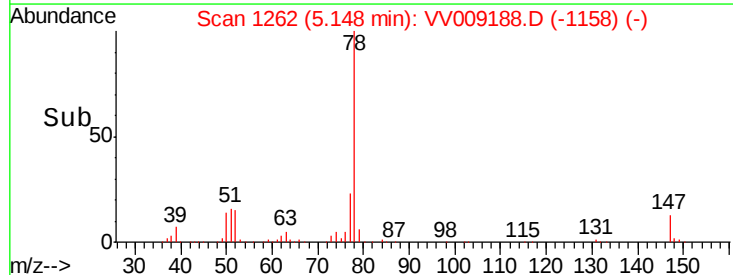
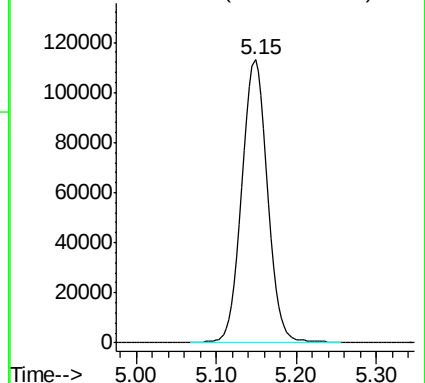
Lab File: VV009188.D

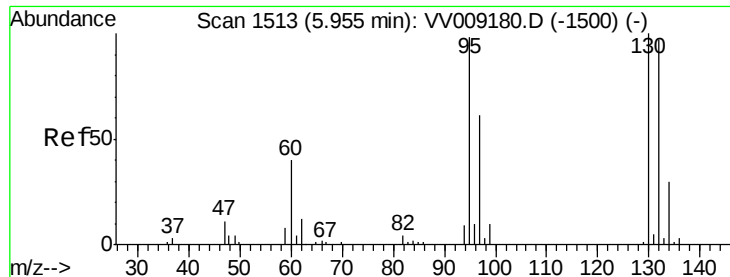
Acq: 07 Jan 2019 17:49

Tgt Ion: 78 Resp: 245017



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 25.592 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

Tgt Ion: 95 Resp: 69521

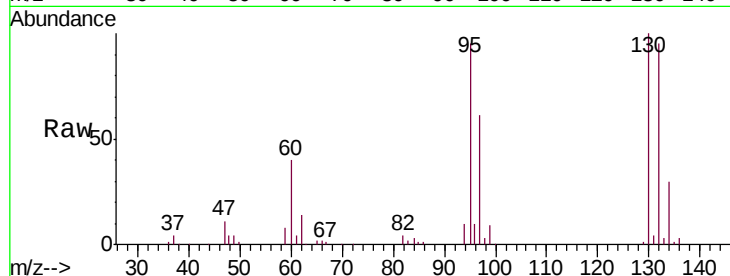
Ion Ratio Lower Upper

95 100

97 63.8 46.2 85.8

132 100.2 73.9 137.3

130 106.6 77.0 143.0



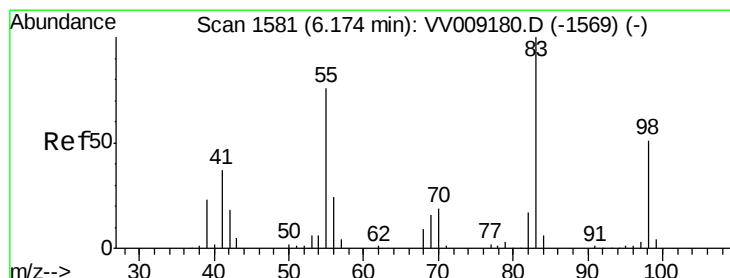
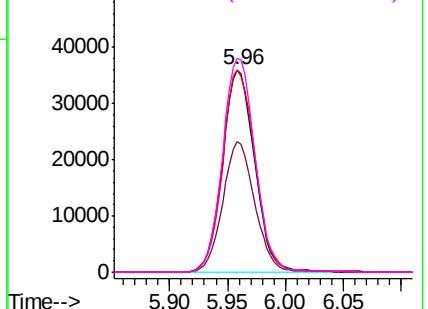
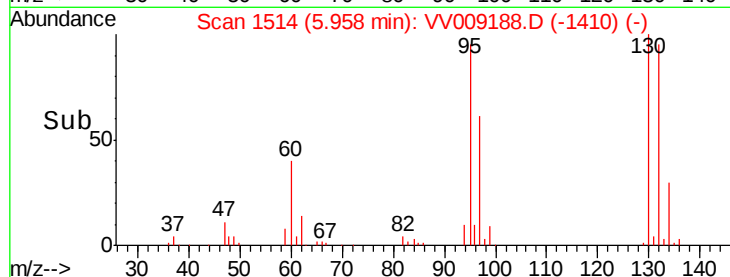
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#36

Methylcyclohexane

Concen: 24.991 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

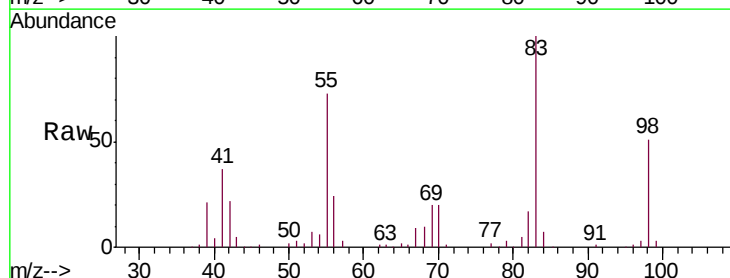
Tgt Ion: 83 Resp: 113430

Ion Ratio Lower Upper

83 100

55 71.7 58.5 87.7

98 49.8 41.4 62.0

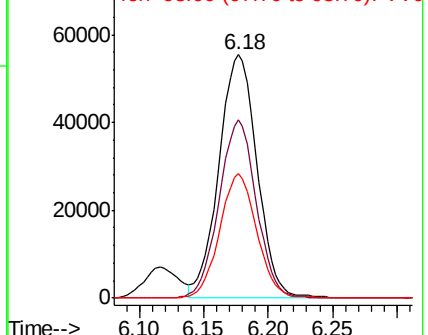
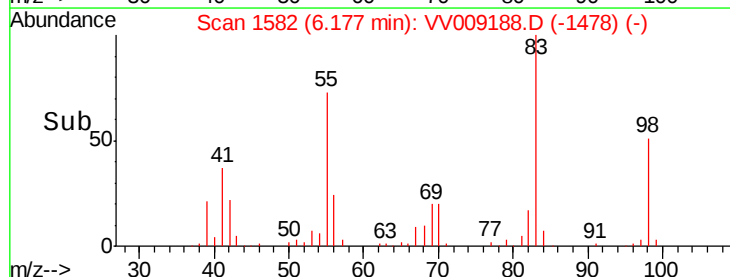


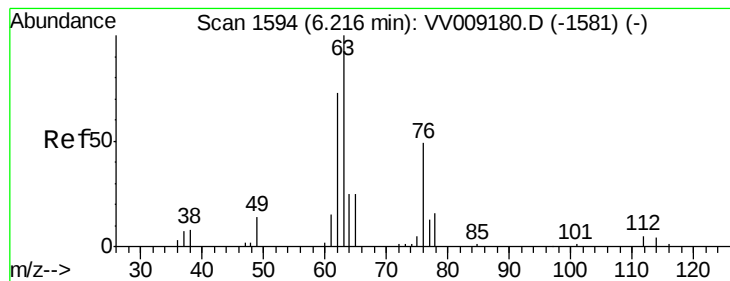
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 25.970 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.01 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

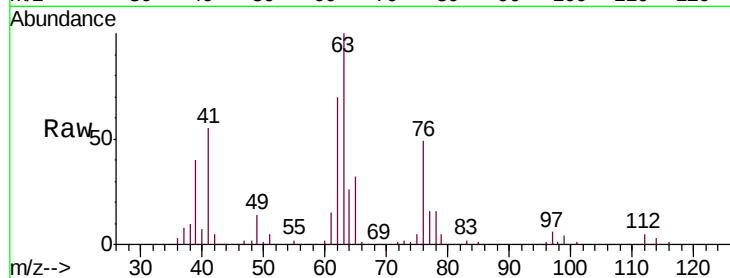
VSTD02576

Tgt Ion: 63 Resp: 59021

Ion Ratio Lower Upper

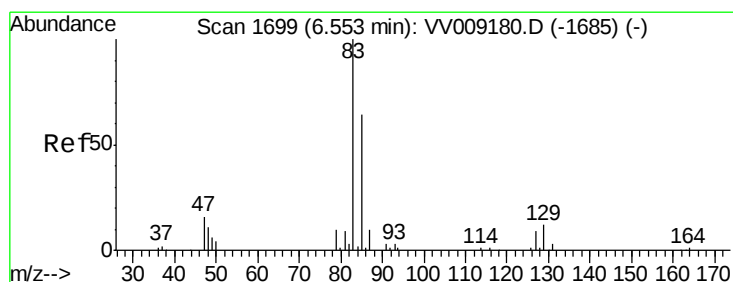
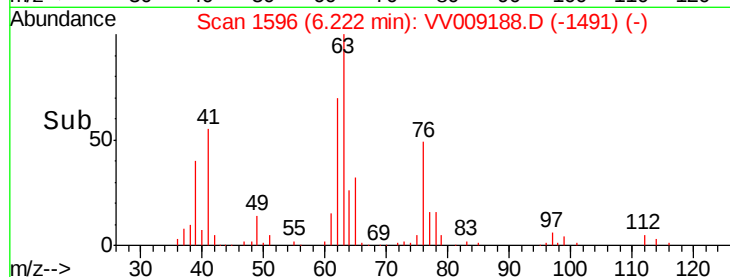
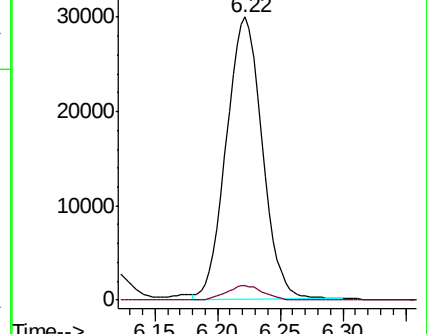
63 100

112 5.3 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV009188.D (-1581) (-)

Ion 112.00 (111.70 to 112.70): VV009188.D (-1581) (-)



#41

Bromodichloromethane

Concen: 26.796 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

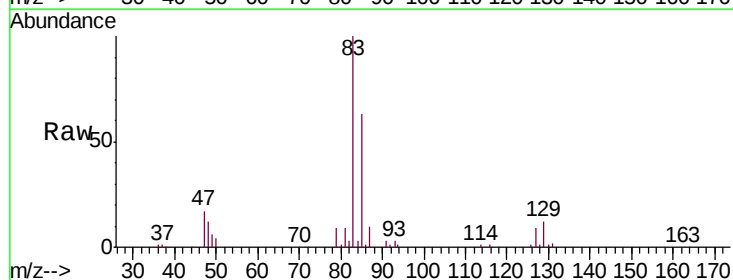
Tgt Ion: 83 Resp: 83473

Ion Ratio Lower Upper

83 100

85 62.7 45.3 84.1

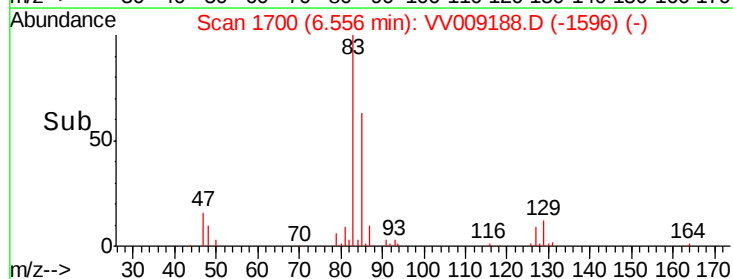
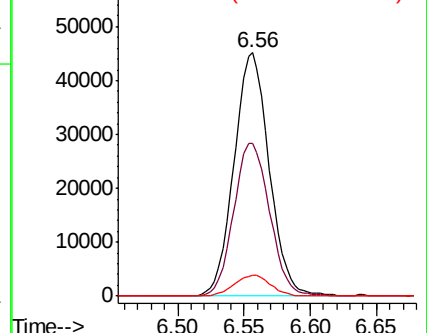
127 8.5 7.8 11.6

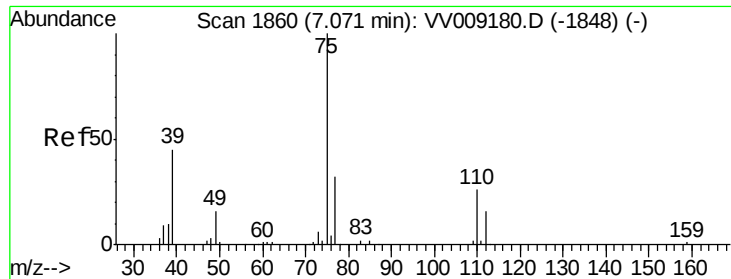


Abundance Ion 83.00 (82.70 to 83.70): VV009188.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV009188.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV009188.D (-1685) (-)



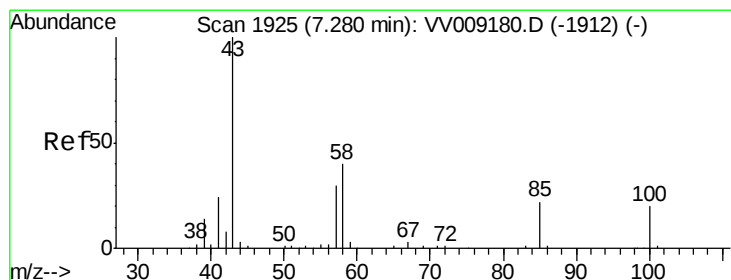
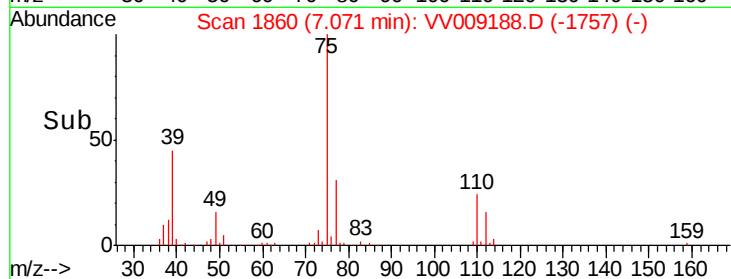
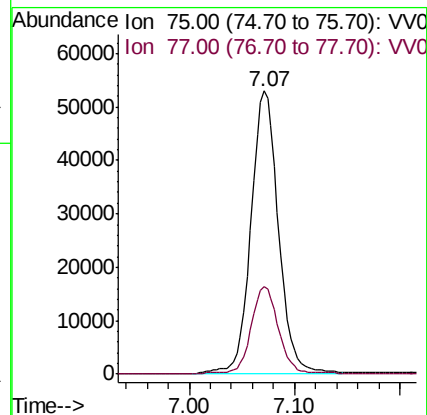
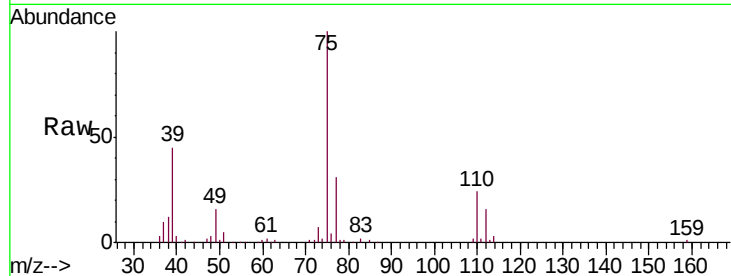


#42

cis-1,3-Dichloropropene
Concen: 26.904 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

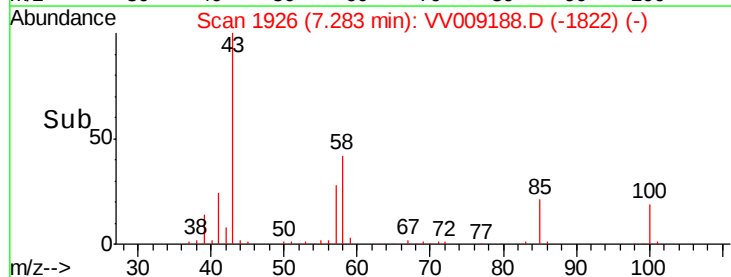
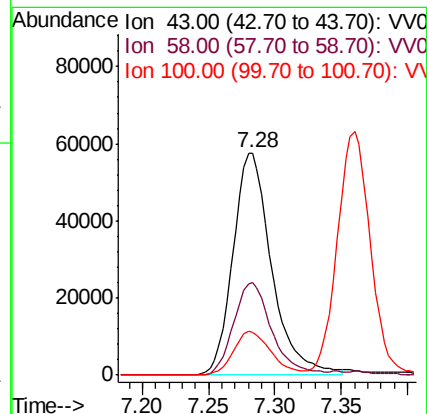
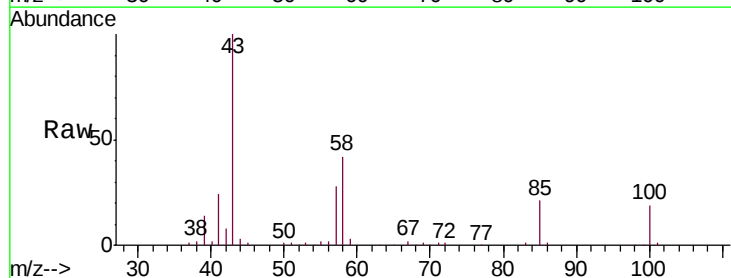
Tgt Ion: 75 Resp: 96892
Ion Ratio Lower Upper
75 100
77 30.9 22.8 42.4

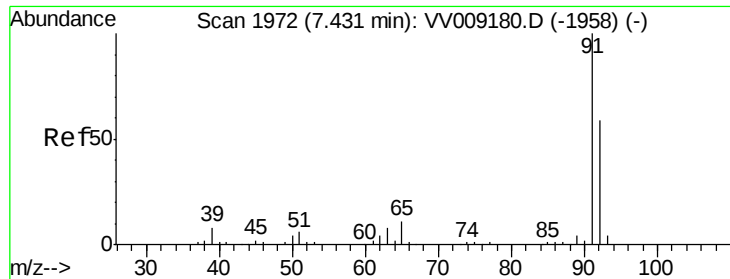


#43

4-Methyl-2-pentanone
Concen: 53.895 ug/L
RT: 7.28 min Scan# 1926
Delta R.T. 0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Tgt Ion: 43 Resp: 116754
Ion Ratio Lower Upper
43 100
58 41.2 33.4 50.2
100 19.2 15.2 22.8





#44

Toluene

Concen: 25.484 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

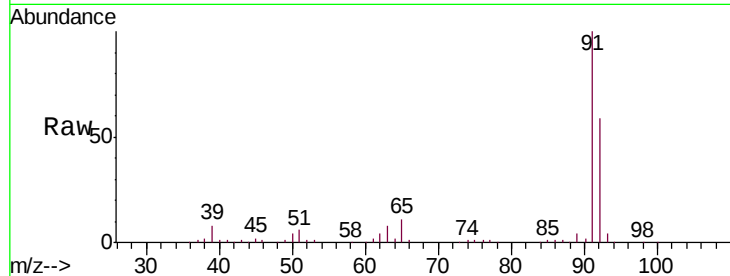
VSTD02576

Tgt Ion: 91 Resp: 259066

Ion Ratio Lower Upper

91 100

92 59.1 41.7 77.5



Abundance Ion 91.00 (90.70 to 91.70): VV009188.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009188.D (-1958) (-)

7.43

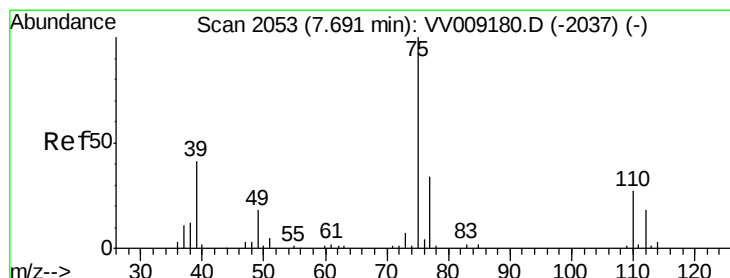
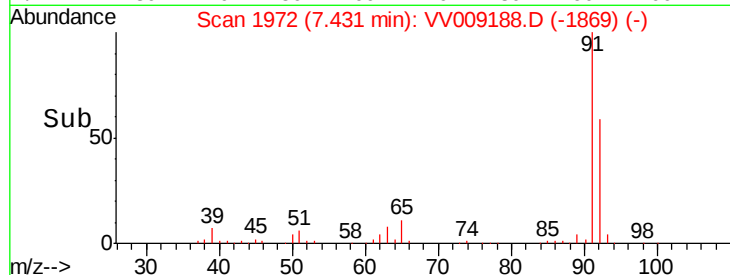
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 26.975 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009188.D

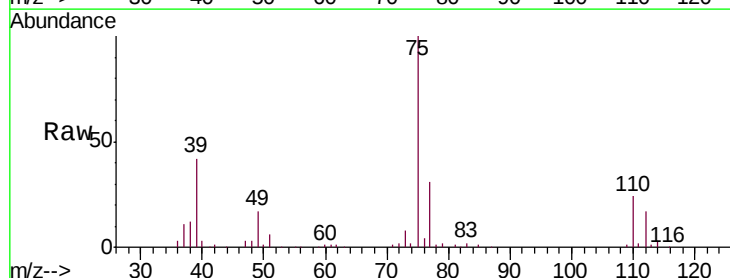
Acq: 07 Jan 2019 17:49

Tgt Ion: 75 Resp: 85055

Ion Ratio Lower Upper

75 100

77 31.3 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV009188.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009188.D (-2037) (-)

7.69

50000

40000

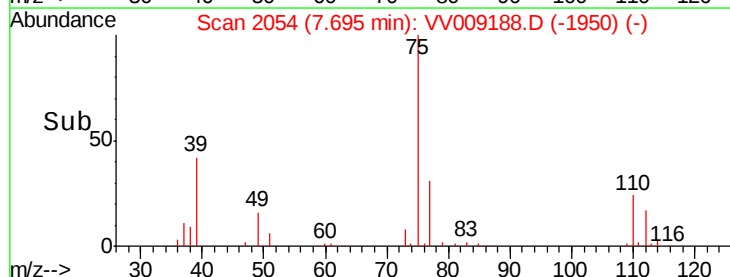
30000

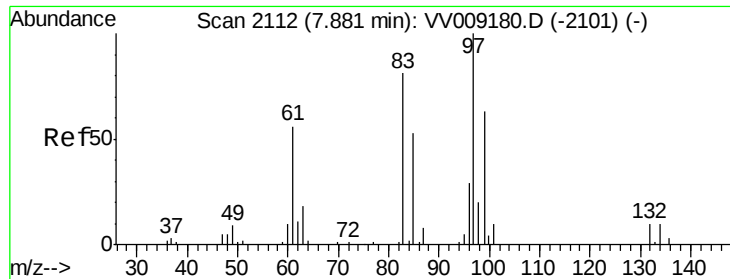
20000

10000

0

Time-->

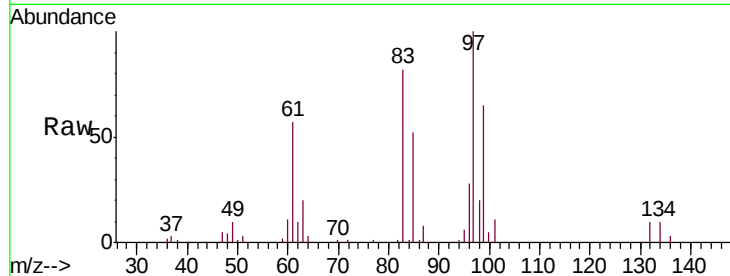




#46
1,1,2-Trichloroethane
Concen: 27.280 ug/L
RT: 7.88 min Scan# 2113
Delta R.T. 0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Tgt Ion:	97	Resp:	54796
Ion	Ratio	Lower	Upper
97	100		
83	81.6	56.0	104.0
85	52.4	36.5	67.9
99	64.8	43.5	80.9



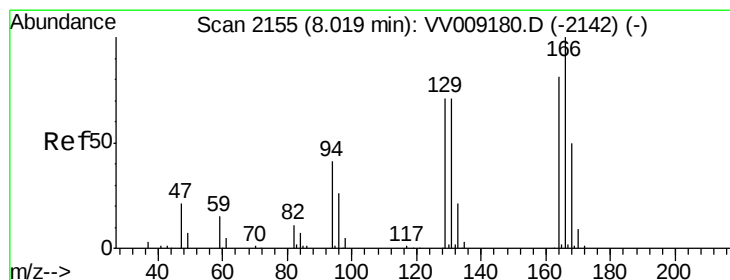
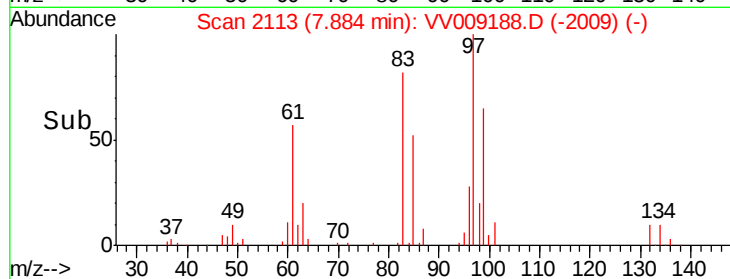
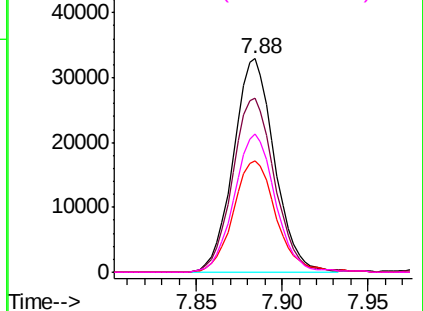
Abundance

Ion 97.00 (96.70 to 97.70): VV009188.D (-2101) (-)

Ion 83.00 (82.70 to 83.70): VV009188.D (-2101) (-)

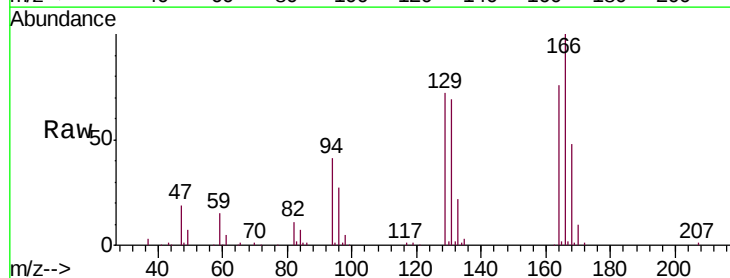
Ion 85.00 (84.70 to 85.70): VV009188.D (-2101) (-)

Ion 99.00 (98.70 to 99.70): VV009188.D (-2101) (-)



#47
Tetrachloroethene
Concen: 25.281 ug/L
RT: 8.02 min Scan# 2155
Delta R.T. -0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Tgt Ion:	164	Resp:	59498
Ion	Ratio	Lower	Upper
164	100		
129	94.4	63.5	117.9
131	90.3	63.2	117.4
166	131.8	88.0	163.4



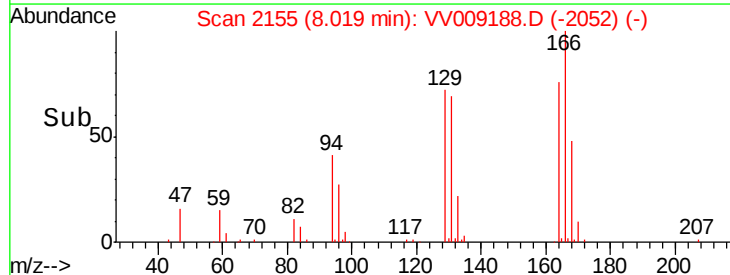
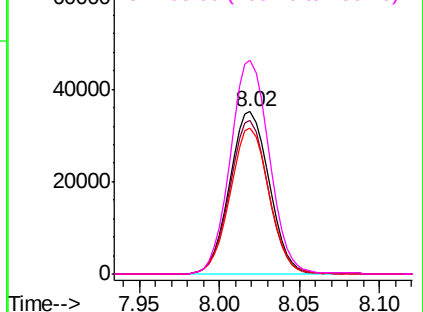
Abundance

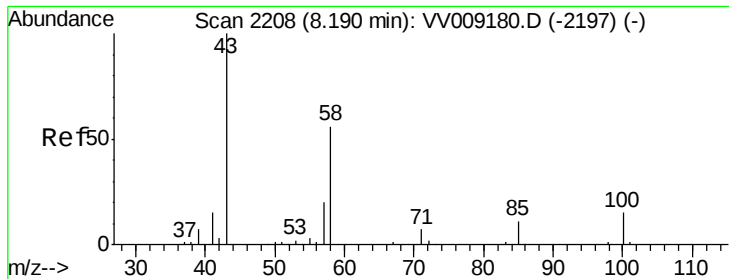
Ion 164.00 (163.70 to 164.70): VV009188.D (-2142) (-)

Ion 129.00 (128.70 to 129.70): VV009188.D (-2142) (-)

Ion 131.00 (130.70 to 131.70): VV009188.D (-2142) (-)

Ion 166.00 (165.70 to 166.70): VV009188.D (-2142) (-)

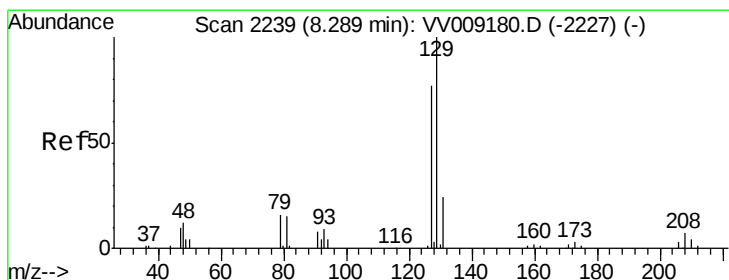
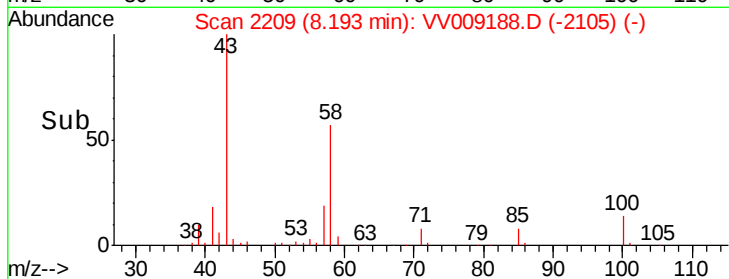
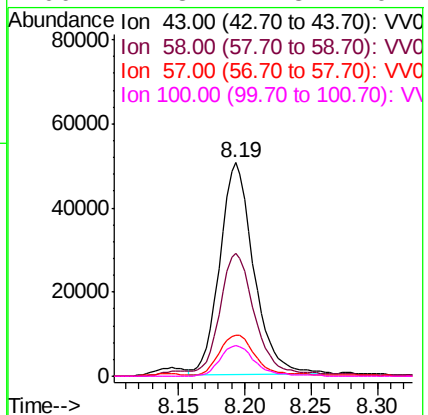
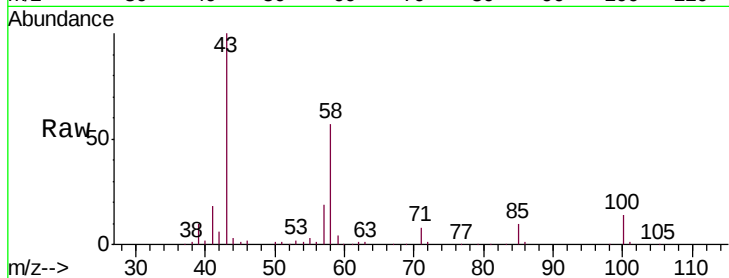




#49
2-Hexanone
Concen: 56.647 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

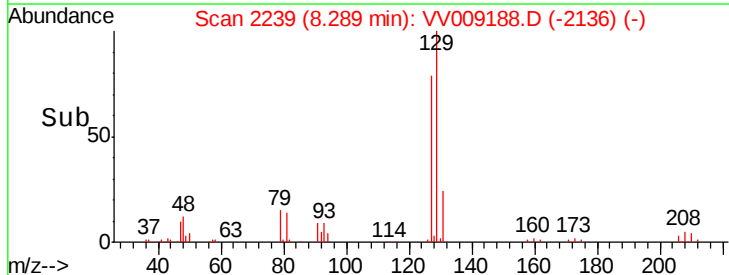
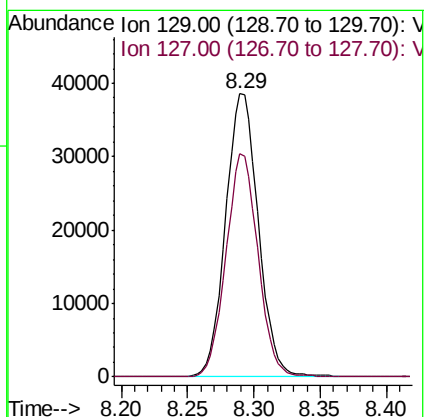
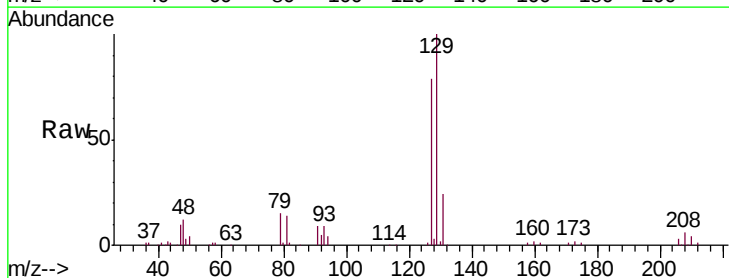
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

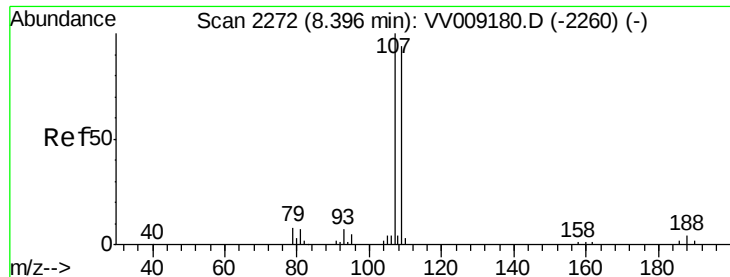
Tgt Ion: 43 Resp: 90312
Ion Ratio Lower Upper
43 100
58 56.7 46.7 70.1
57 19.3 15.5 23.3
100 14.8 12.8 19.2



#50
Dibromochloromethane
Concen: 26.845 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009188.D
Acq: 07 Jan 2019 17:49

Tgt Ion: 129 Resp: 66244
Ion Ratio Lower Upper
129 100
127 78.9 53.1 98.7





#51

1,2-Dibromoethane

Concen: 26.540 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

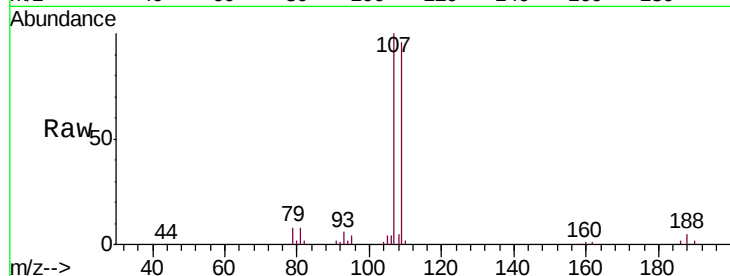
Tgt Ion:107 Resp: 55744

Ion Ratio Lower Upper

107 100

109 96.0 63.6 118.0

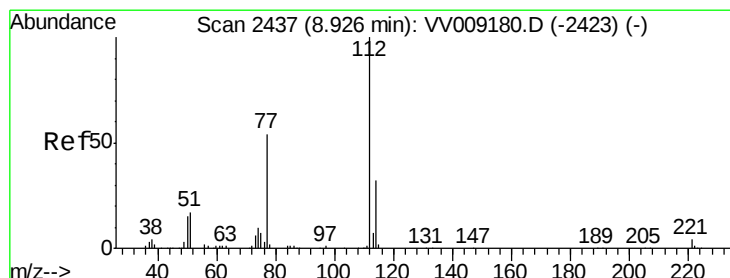
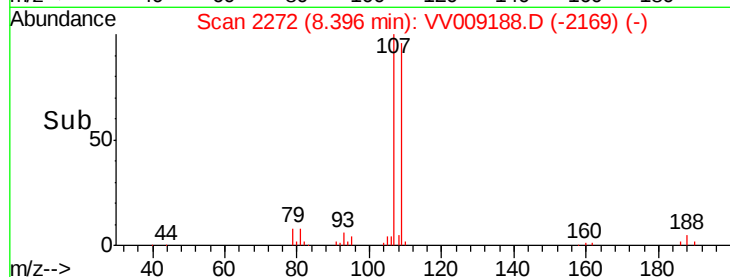
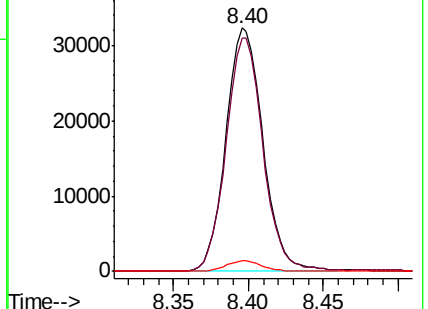
188 4.5 3.3 4.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.411 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

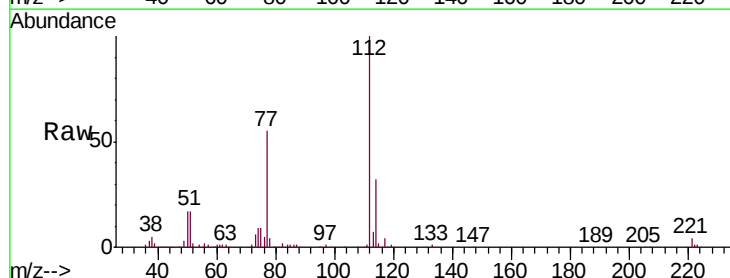
Tgt Ion:112 Resp: 177247

Ion Ratio Lower Upper

112 100

77 54.7 44.6 66.8

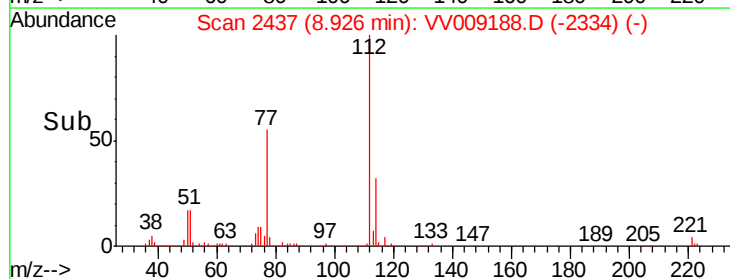
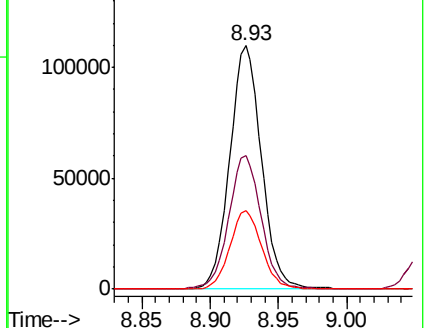
114 32.2 22.5 41.9

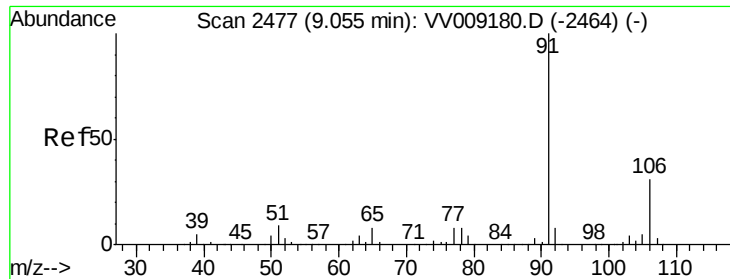


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.313 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

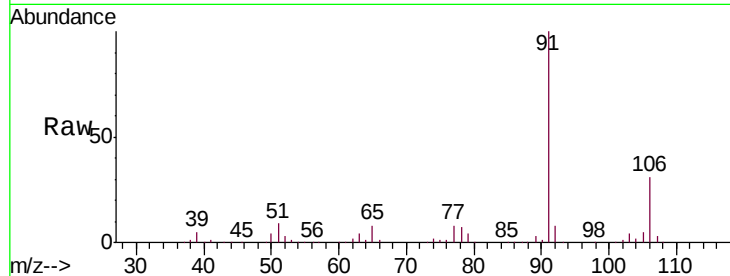
VSTD02576

Tgt Ion: 91 Resp: 291018

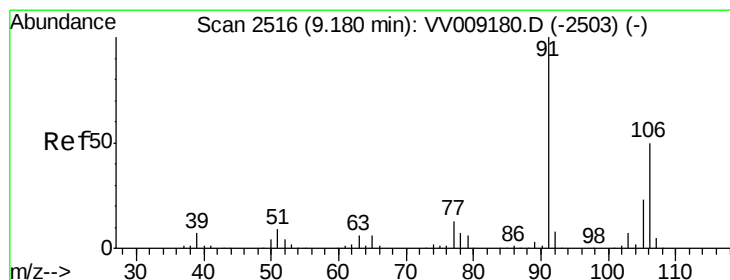
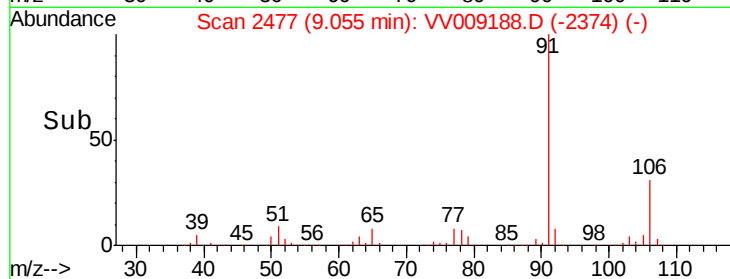
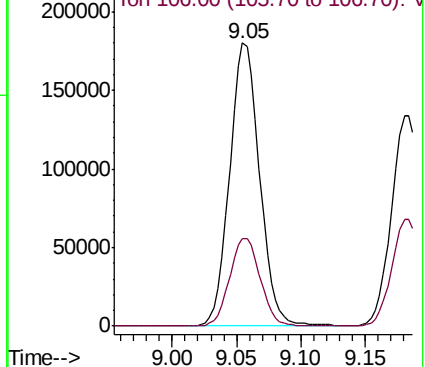
Ion Ratio Lower Upper

91 100

106 30.9 22.5 41.9



Abundance Ion 91.00 (90.70 to 91.70): VV009188.D (-2464) (-)



#54

m,p-Xylene

Concen: 25.345 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009188.D

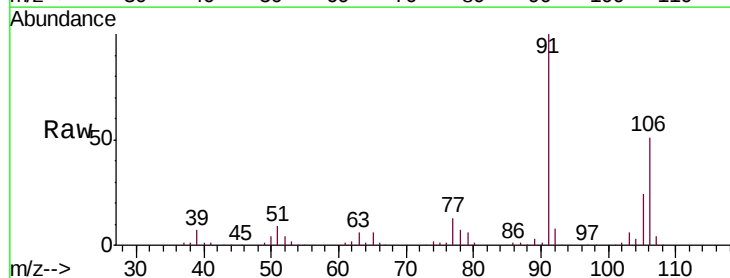
Acq: 07 Jan 2019 17:49

Tgt Ion: 106 Resp: 113526

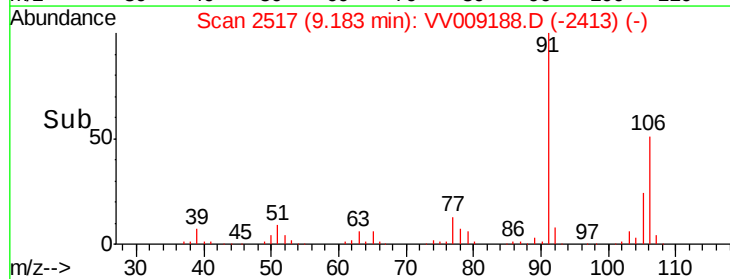
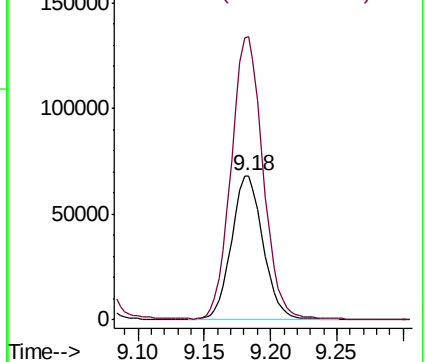
Ion Ratio Lower Upper

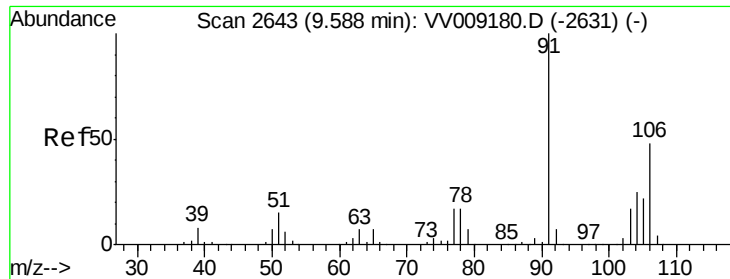
106 100

91 196.4 138.9 257.9



Abundance Ion 106.00 (105.70 to 106.70): VV009188.D (-2503) (-)





#55

o-xylene

Concen: 25.559 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

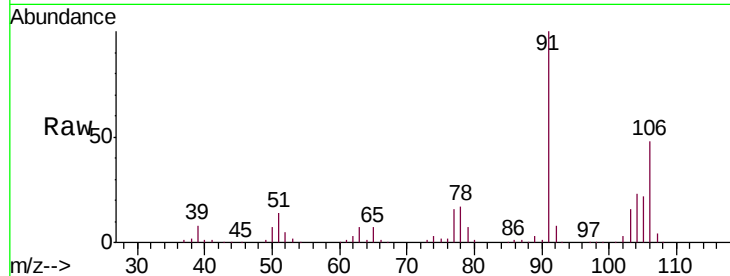
VSTD02576

Tgt Ion:106 Resp: 105859

Ion Ratio Lower Upper

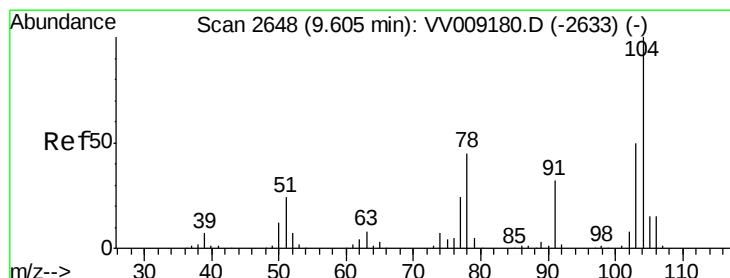
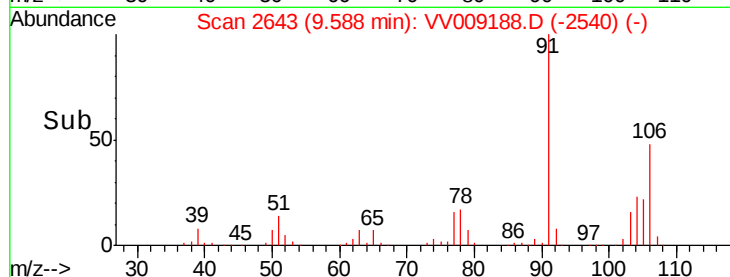
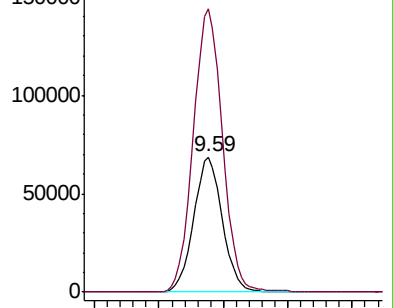
106 100

91 209.5 148.7 276.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 25.967 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. -0.00 min

Lab File: VV009188.D

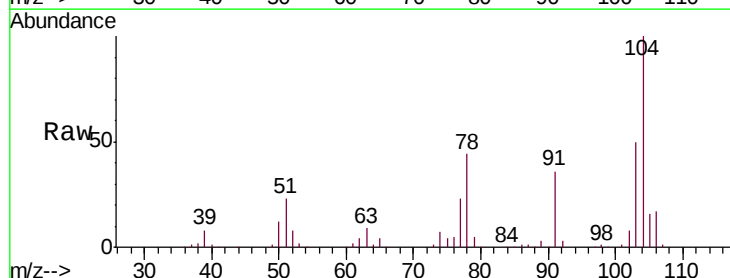
Acq: 07 Jan 2019 17:49

Tgt Ion:104 Resp: 181399

Ion Ratio Lower Upper

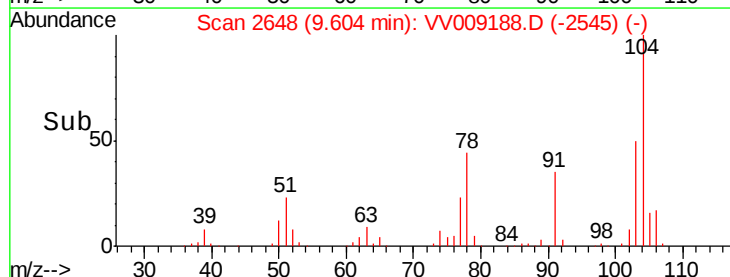
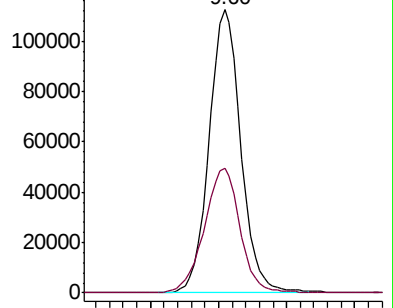
104 100

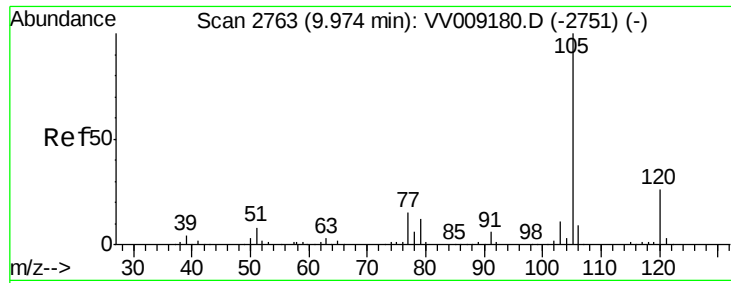
78 44.0 31.6 58.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 26.102 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

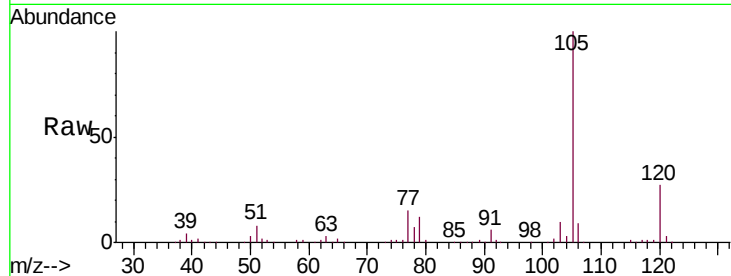
Tgt Ion: 105 Resp: 299942

Ion Ratio Lower Upper

105 100

120 26.6 21.9 32.9

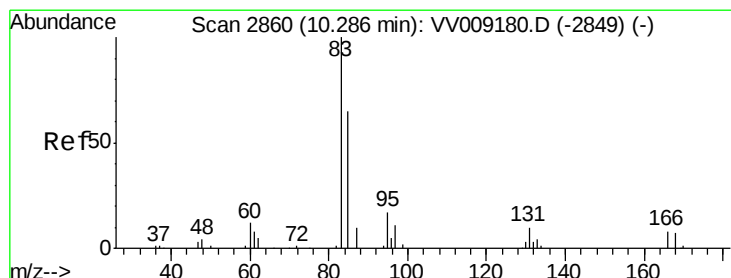
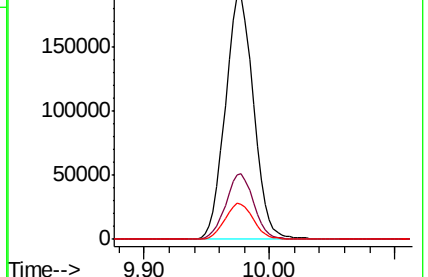
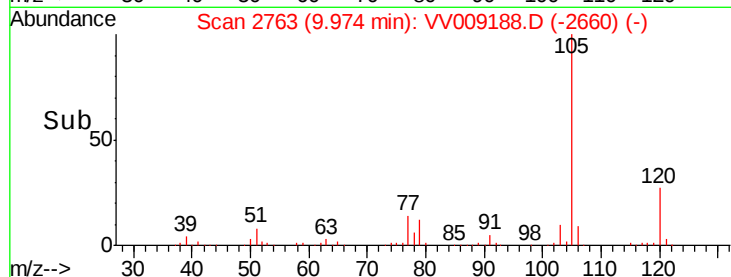
77 14.7 12.1 18.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 28.358 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

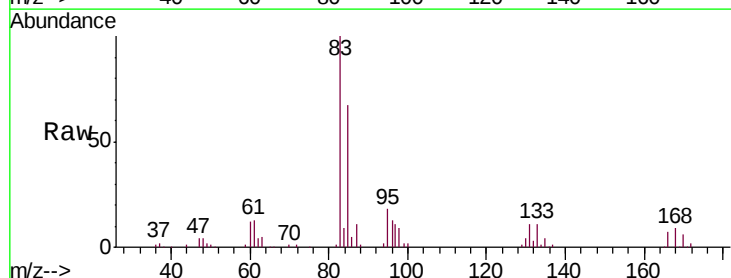
Tgt Ion: 83 Resp: 76321

Ion Ratio Lower Upper

83 100

85 66.6 45.4 84.2

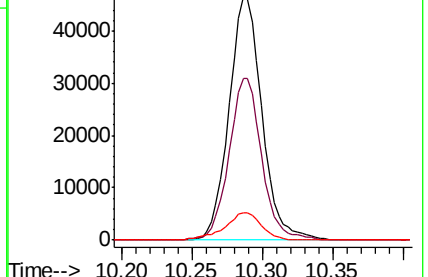
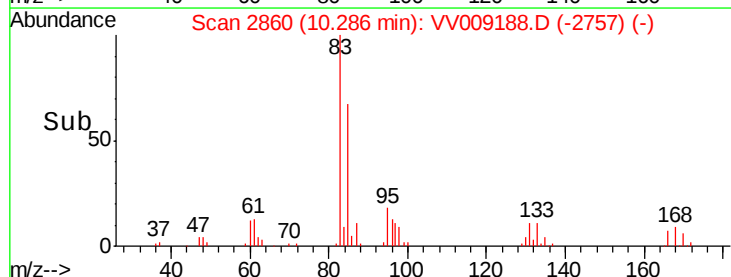
131 11.3 9.4 14.0

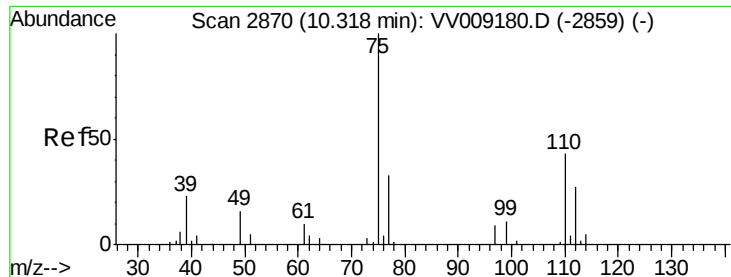


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 27.815 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

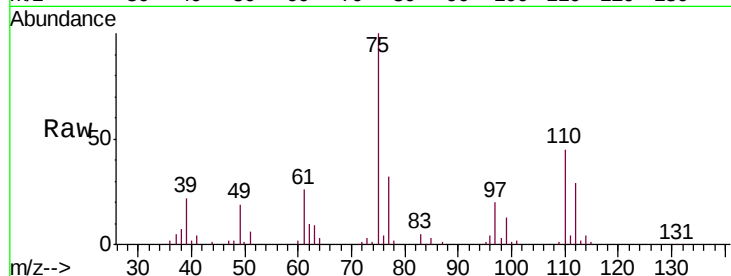
VSTD02576

Tgt Ion: 75 Resp: 59833

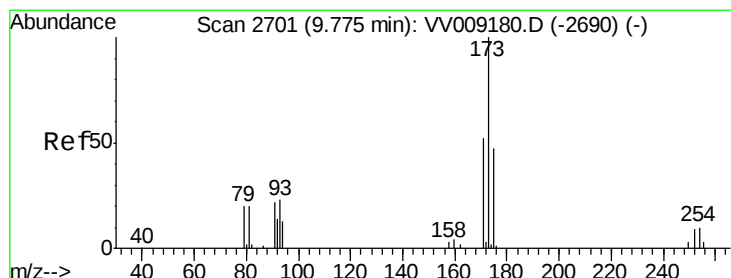
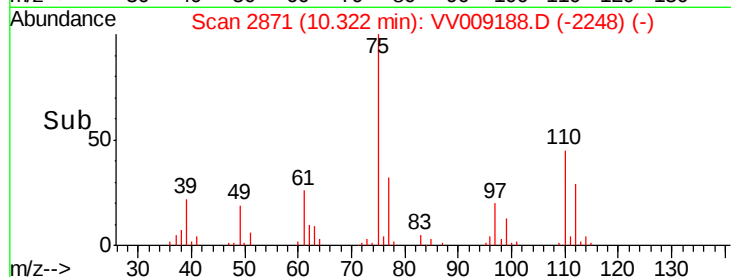
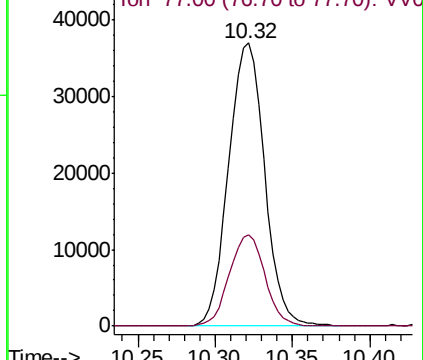
Ion Ratio Lower Upper

75 100

77 31.9 25.0 37.6



Abundance Ion 75.00 (74.70 to 75.70): VV009188.D (-2248) (-)



#62

Bromoform

Concen: 27.456 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

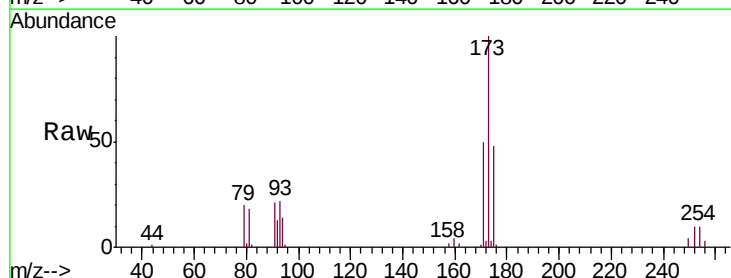
Tgt Ion: 173 Resp: 43462

Ion Ratio Lower Upper

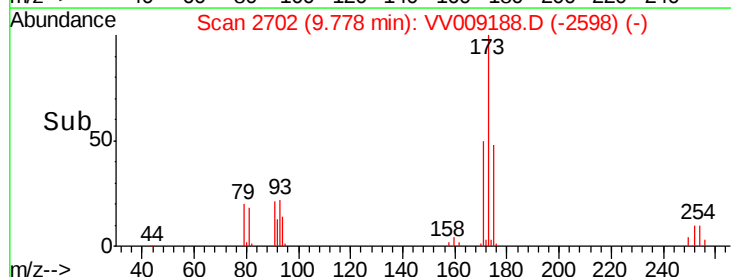
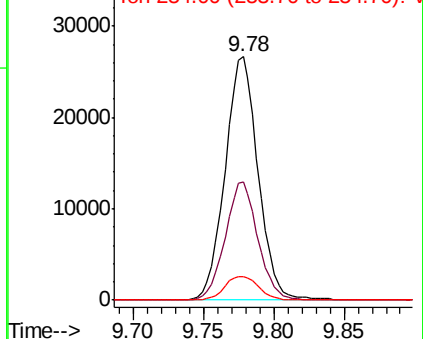
173 100

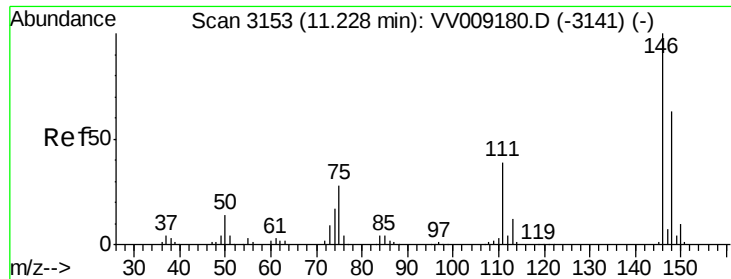
175 47.8 38.4 57.6

254 9.9 8.0 12.0



Abundance Ion 173.00 (172.70 to 173.70): VV009188.D (-2598) (-)





#63

1,3-Dichlorobenzene

Concen: 25.076 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

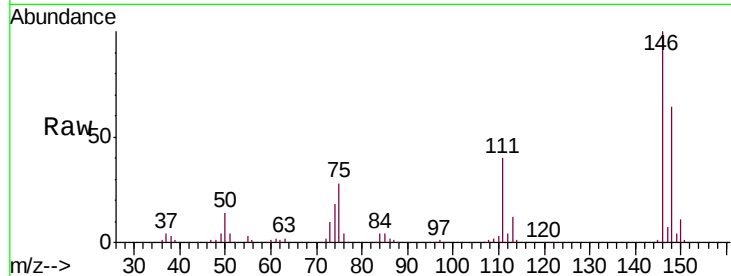
Tgt Ion:146 Resp: 141622

Ion Ratio Lower Upper

146 100

111 39.9 28.0 52.0

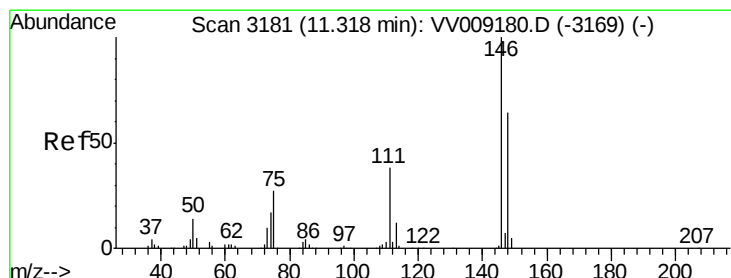
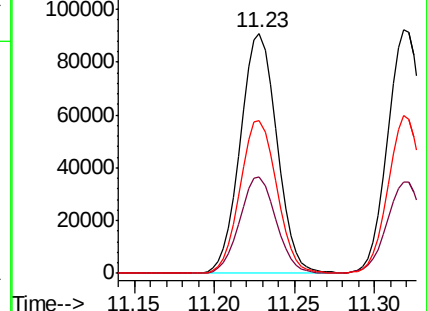
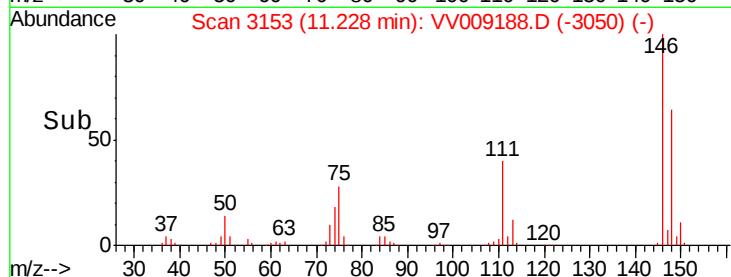
148 63.9 45.6 84.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#64

1,4-Dichlorobenzene

Concen: 24.769 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

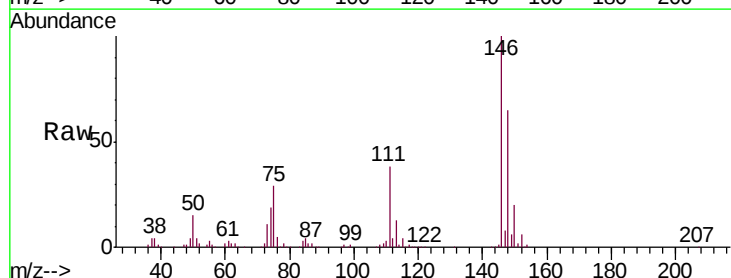
Tgt Ion:146 Resp: 145815

Ion Ratio Lower Upper

146 100

111 37.7 26.0 48.4

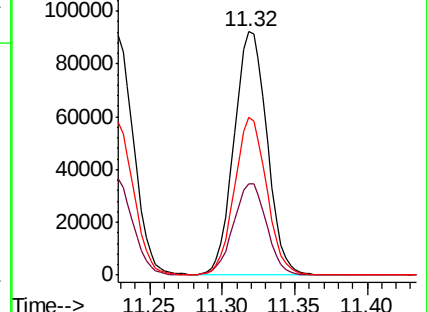
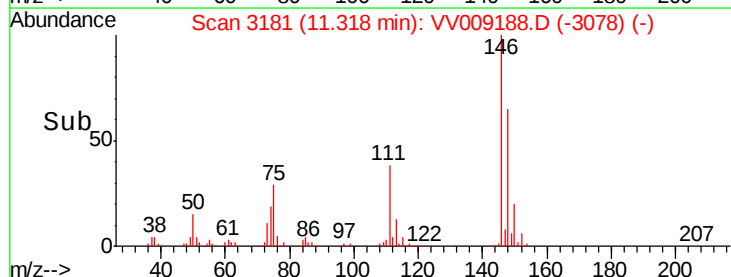
148 64.6 43.4 80.6

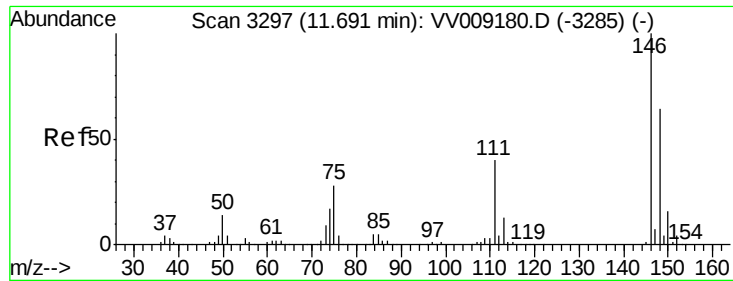


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 25.287 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

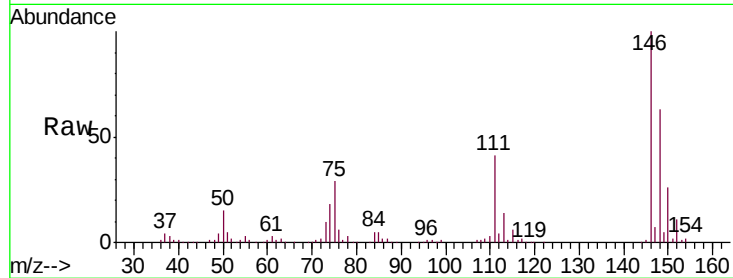
Tgt Ion:146 Resp: 136037

Ion Ratio Lower Upper

146 100

111 40.7 32.2 48.4

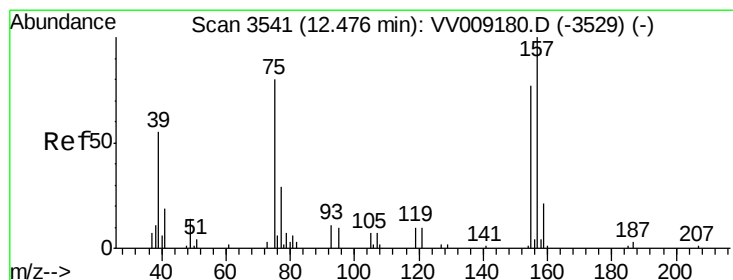
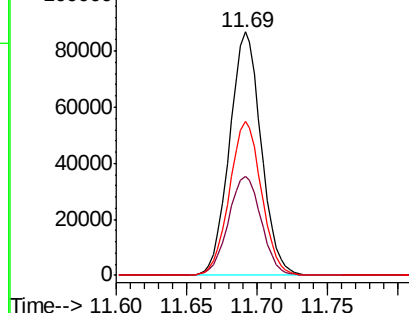
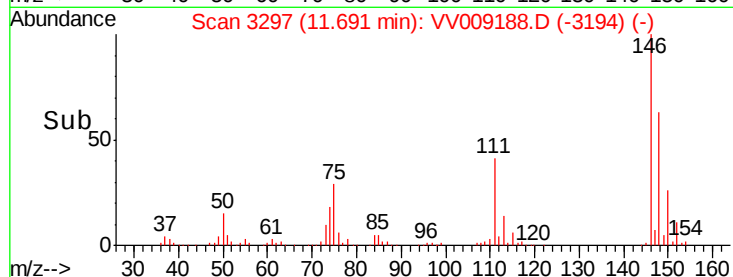
148 63.2 50.4 75.6



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 27.973 ug/L

RT: 12.48 min Scan# 3542

Delta R.T. 0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

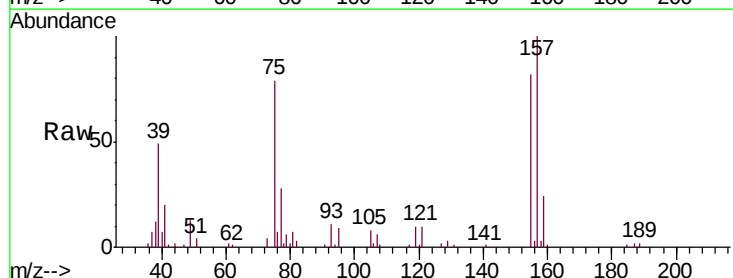
Tgt Ion: 75 Resp: 15623

Ion Ratio Lower Upper

75 100

157 126.2 96.9 145.3

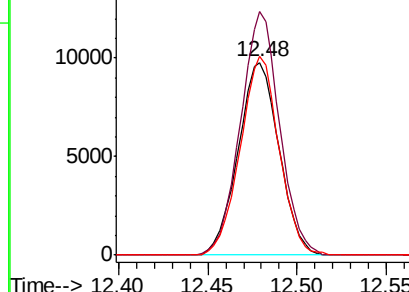
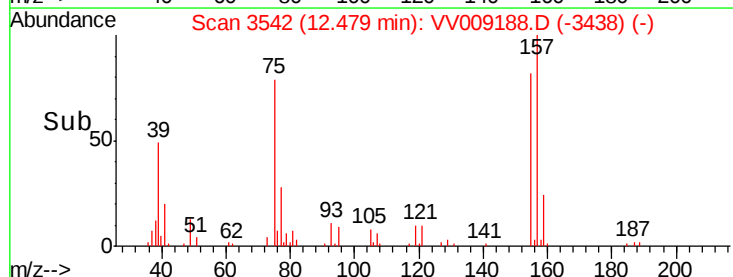
155 102.8 68.0 102.0#

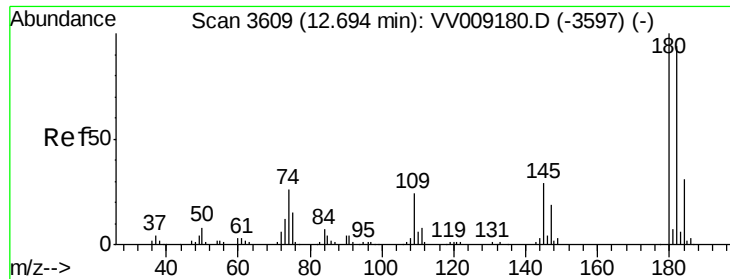


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

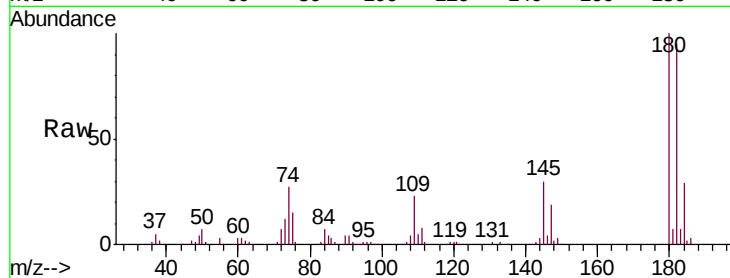




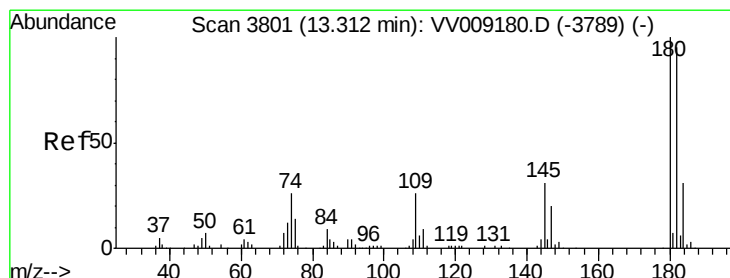
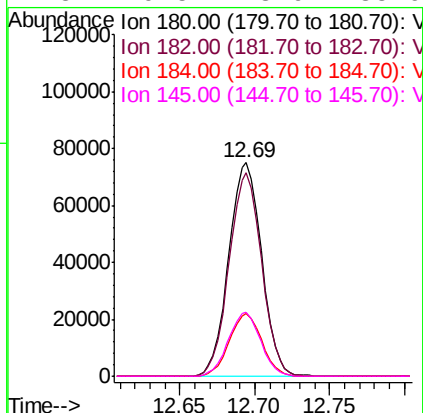
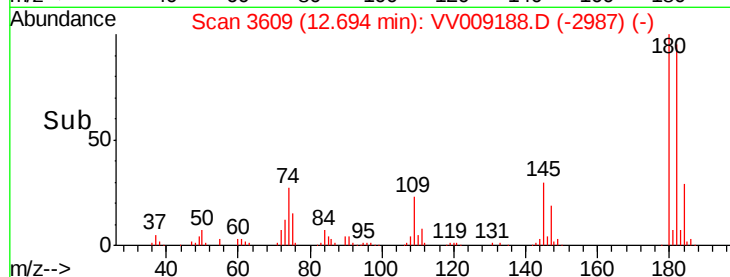
#67
 1,3,5-Trichlorobenzene
 Concen: 25.192 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009188.D
 Acq: 07 Jan 2019 17:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Tgt Ion:180 Resp: 114742
 Ion Ratio Lower Upper
 180 100
 182 94.3 75.3 112.9
 184 29.2 24.6 37.0
 145 29.5 23.9 35.9

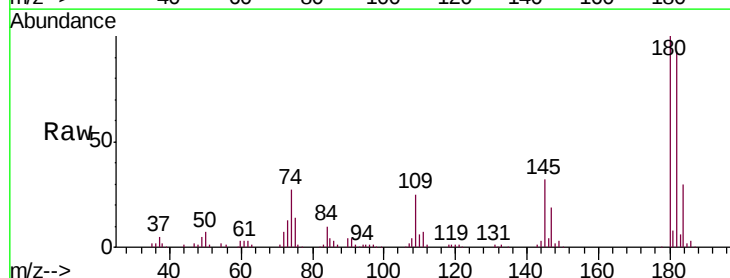


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

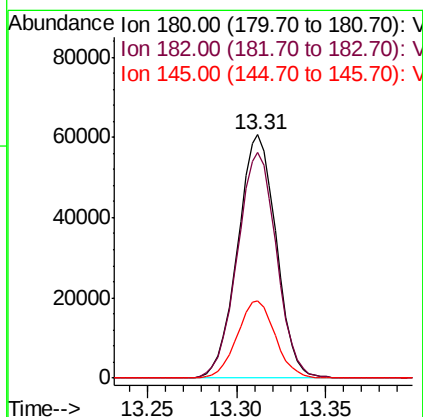
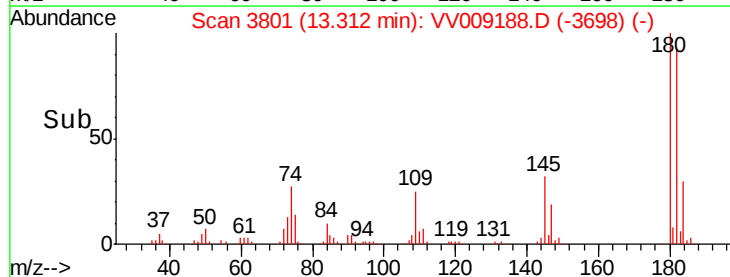


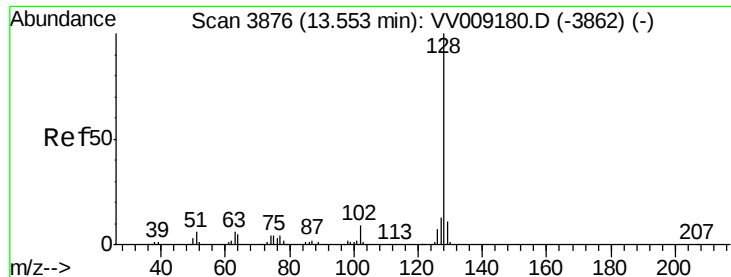
#68
 1,2,4-trichlorobenzene
 Concen: 24.561 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009188.D
 Acq: 07 Jan 2019 17:49

Tgt Ion:180 Resp: 91057
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.4
 145 31.5 25.4 38.0



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





#69

Naphthalene

Concen: 25.444 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

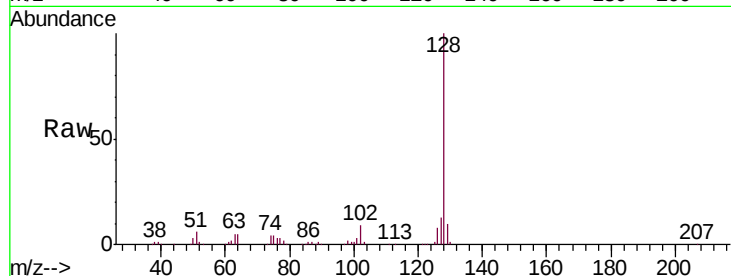
Tgt Ion:128 Resp: 192133

Ion Ratio Lower Upper

128 100

129 10.9 9.0 13.4

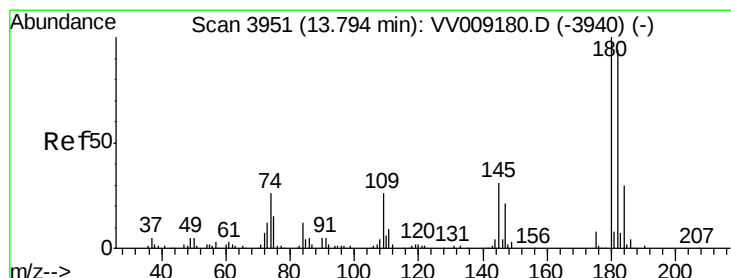
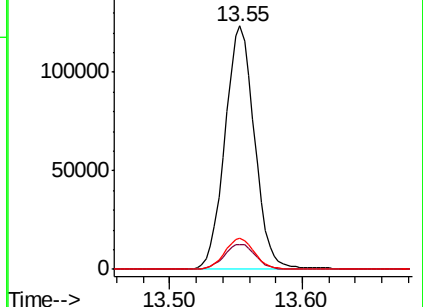
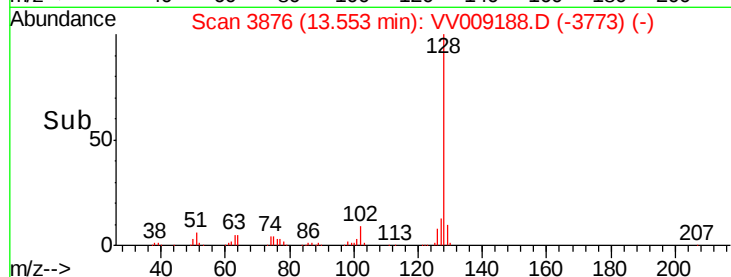
127 12.7 10.4 15.6



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: 25.454 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009188.D

Acq: 07 Jan 2019 17:49

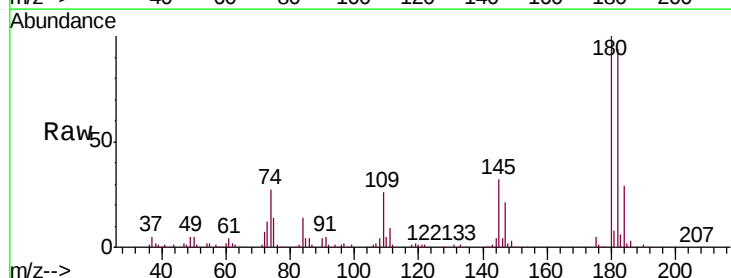
Tgt Ion:180 Resp: 86603

Ion Ratio Lower Upper

180 100

182 94.2 74.4 111.6

145 32.6 25.7 38.5



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

