

Data File : VV009584.D
Acq On : 11 Mar 2019 09:24
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Quant Time: Mar 11 11:59:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Mon Mar 11 04:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	162583	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	151894	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	72143	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	46570	23.80	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.20%
7) Chloroethane-d5	1.57	69	68191	24.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	96.36%
10) 1,1-Dichloroethene-d2	2.13	63	131206	25.76	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	103.04%
20) 2-Butanone-d5	3.94	46	31165	46.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	93.46%
24) Chloroform-d	4.40	84	105995	27.37	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	109.48%
26) 1,2-Dichloroethane-d4	5.08	65	59622	27.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	108.24%
29) Benzene-d6	5.10	84	207271	27.55	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	110.20%
33) 1,2-Dichloropropane-d6	6.12	67	60821	27.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.60%
37) Toluene-d8	7.36	98	196919	26.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	107.40%
38) trans-1,3-Dichloropropene-	7.66	79	27084	25.17	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.68%
39) 2-Hexanone-d5	8.13	63	22855	44.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	88.22%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	59014	24.94	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	99.76%
61) 1,2-Dichlorobenzene-d4	11.67	152	67240	25.53	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	102.12%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	53359	28.504 ug/L	98
3) Chloromethane	1.25	50	52968	26.549 ug/L	100
5) Vinyl chloride	1.32	62	57811	26.283 ug/L	99
6) Bromomethane	1.53	94	72944	26.639 ug/L	99
8) Chloroethane	1.59	64	64111	26.230 ug/L	97
9) Trichlorofluoromethane	1.76	101	130361	28.892 ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	74737	29.582 ug/L	96
12) 1,1-Dichloroethene	2.14	96	60918	28.182 ug/L	88
13) Acetone	2.20	43	29513	43.525 ug/L	98
14) Carbon disulfide	2.32	76	154105	28.127 ug/L	98
15) Methyl Acetate	2.46	43	24199	22.038 ug/L	96
16) Methylene chloride	2.53	84	54027	25.321 ug/L	97
17) Methyl tert-butyl Ether	2.81	73	128136	26.472 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	54710	28.178 ug/L	98
19) 1,1-Dichloroethane	3.23	63	99382	29.049 ug/L	98
21) 2-Butanone	4.03	43	33860	39.566 ug/L	95
22) cis-1,2-Dichloroethene	3.96	96	63290	28.874 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Mon Mar 11 04:48:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	27178	26.890	ug/L	92
25) Chloroform	4.42	83	110838	29.031	ug/L	98
27) 1,2-Dichloroethane	5.18	62	69545	26.227	ug/L	99
30) Cyclohexane	4.72	56	89240	27.683	ug/L	96
31) 1,1,1-Trichloroethane	4.66	97	99260	29.232	ug/L	99
32) Carbon tetrachloride	4.87	117	85535	29.796	ug/L	100
34) Benzene	5.14	78	223532	28.481	ug/L	100
35) Trichloroethene	5.96	95	62845	27.862	ug/L	98
36) Methylcyclohexane	6.17	83	100877	27.454	ug/L	99
40) 1,2-Dichloropropane	6.22	63	55680	27.514	ug/L	99
41) Bromodichloromethane	6.55	83	79121	28.966	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	88313	28.110	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	71645	44.911	ug/L	99
44) Toluene	7.43	91	254290	28.663	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	75818	27.632	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	46470	27.640	ug/L	93
47) Tetrachloroethene	8.02	164	49463	28.912	ug/L	95
49) 2-Hexanone	8.19	43	50683	42.015	ug/L	99
50) Dibromochloromethane	8.29	129	55059	27.050	ug/L	98
51) 1,2-Dibromoethane	8.40	107	45783	26.356	ug/L #	98
52) Chlorobenzene	8.93	112	162892	27.700	ug/L	99
53) Ethylbenzene	9.05	91	287730	28.342	ug/L	97
54) m,p-Xylene	9.18	106	107663	28.020	ug/L	99
55) o-xylene	9.59	106	103122	27.832	ug/L	92
56) Styrene	9.60	104	171501	28.135	ug/L	100
57) Isopropylbenzene	9.97	105	283141	27.706	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	61404	25.865	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	42879	25.056	ug/L	100
62) Bromoform	9.77	173	30682	26.208	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	122531	27.191	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	123753	26.874	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	112418	26.750	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	9150	21.738	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	87288	27.004	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	66453	25.678	ug/L	99
69) Naphthalene	13.55	128	121034	22.204	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	61823	25.967	ug/L	99

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

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Instrument :
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ClientSampleId :
VSTD02576

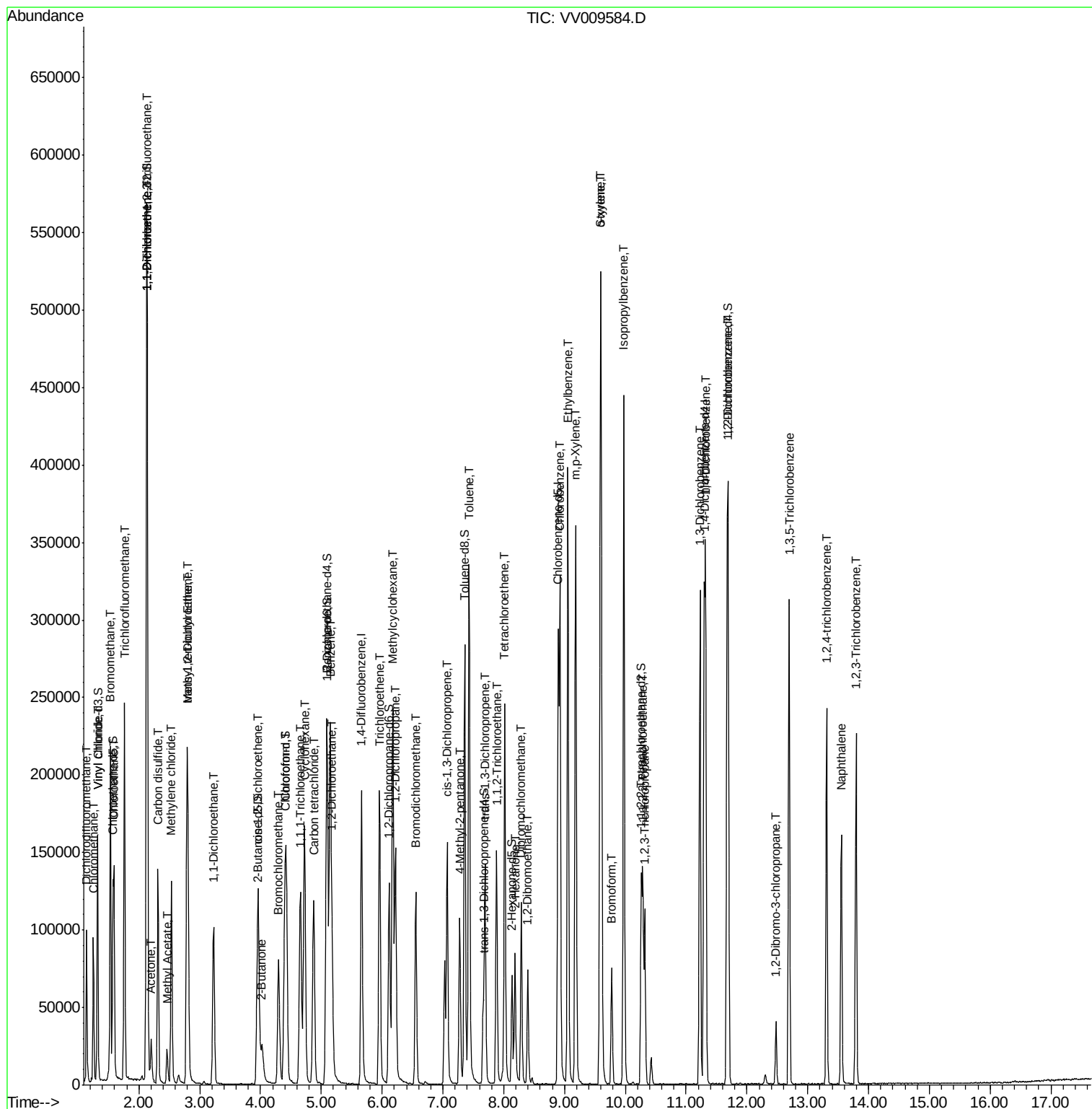
Quant Time: Mar 11 11:59:56 2019

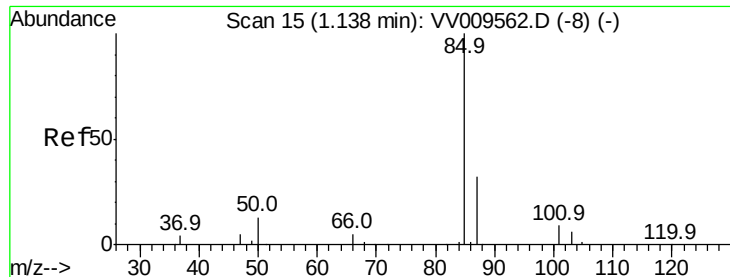
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM030519S.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 11 04:48:46 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 28.504 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

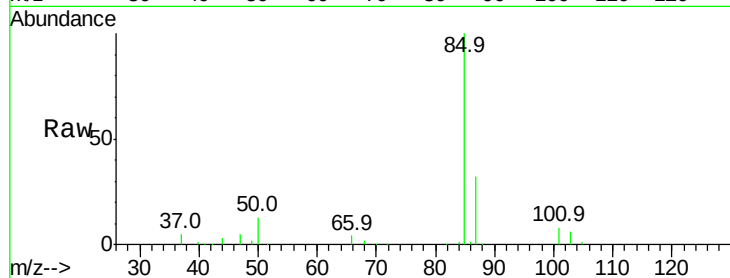
VSTD02576

Tgt Ion: 85 Resp: 53359

Ion Ratio Lower Upper

85 100

87 32.2 23.4 43.4

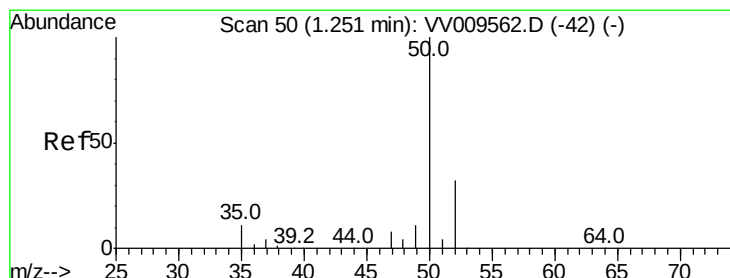
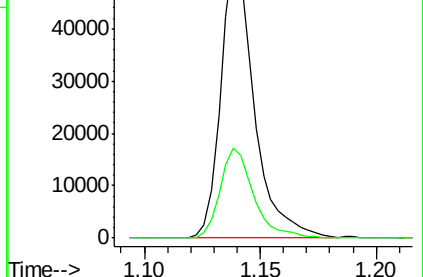
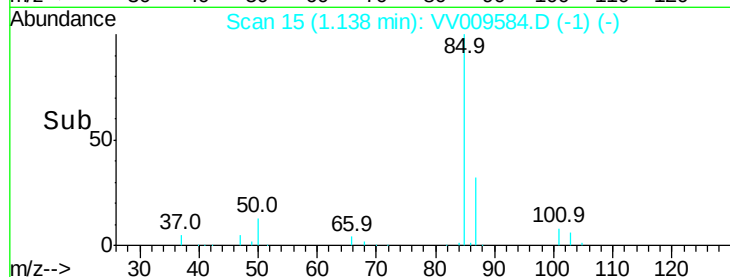


Abundance Ion 85.00 (84.70 to 85.70): VV009562.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV009562.D (-8) (-)

1.14

Time-->



#3

Chloromethane

Concen: 26.549 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009584.D

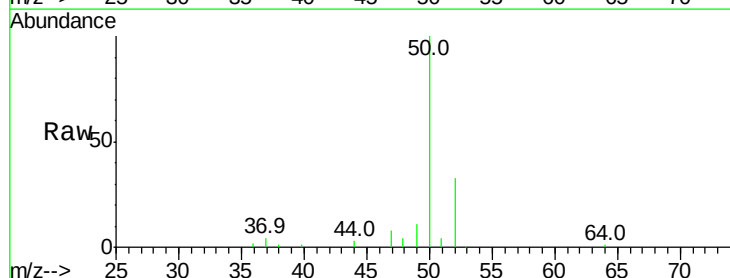
Acq: 11 Mar 2019 09:24

Tgt Ion: 50 Resp: 52968

Ion Ratio Lower Upper

50 100

52 32.8 23.1 42.9

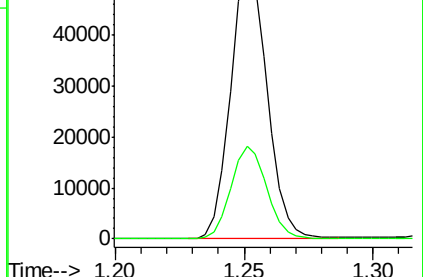
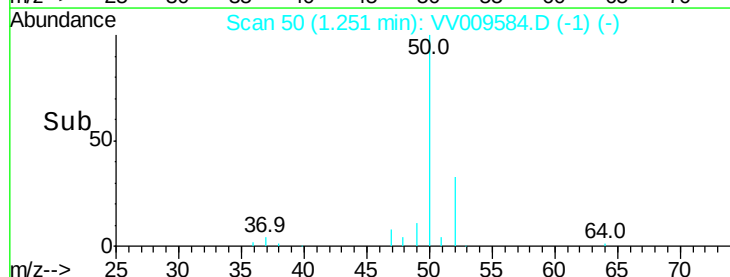


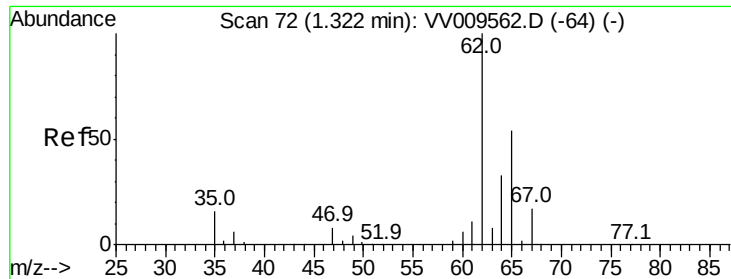
Abundance Ion 50.00 (49.70 to 50.70): VV009562.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV009562.D (-42) (-)

1.25

Time-->





#5

Vinyl chloride

Concen: 26.283 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

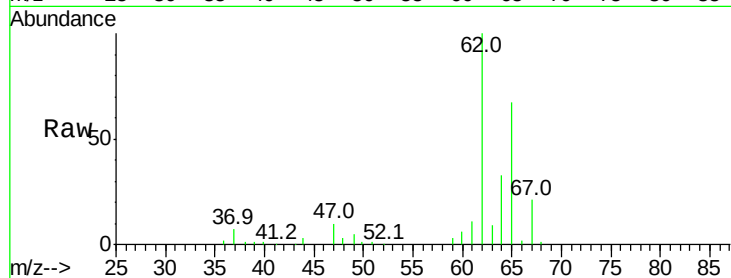
VSTD02576

Tgt Ion: 62 Resp: 57811

Ion Ratio Lower Upper

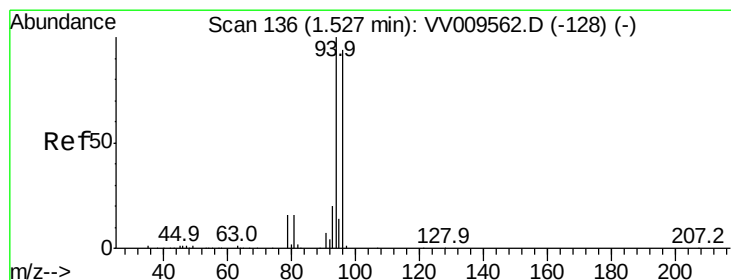
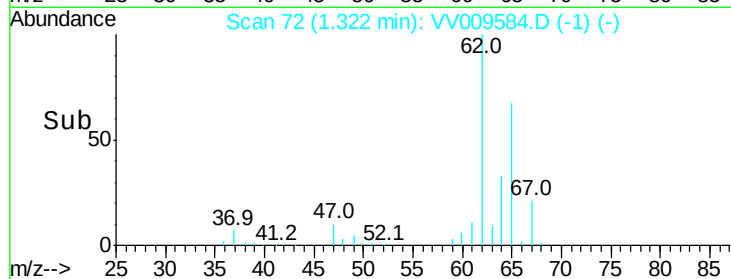
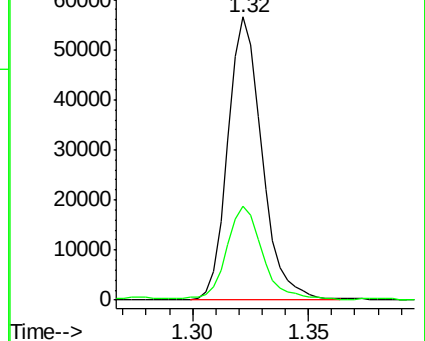
62 100

64 33.1 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 26.639 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV009584.D

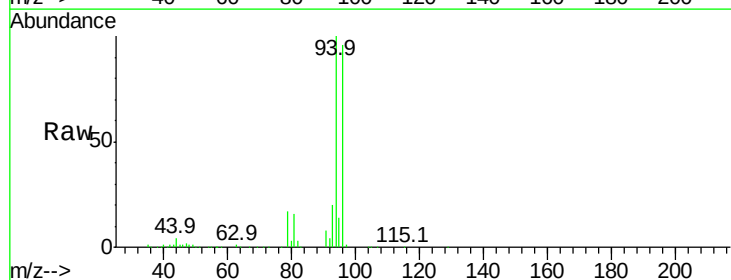
Acq: 11 Mar 2019 09:24

Tgt Ion: 94 Resp: 72944

Ion Ratio Lower Upper

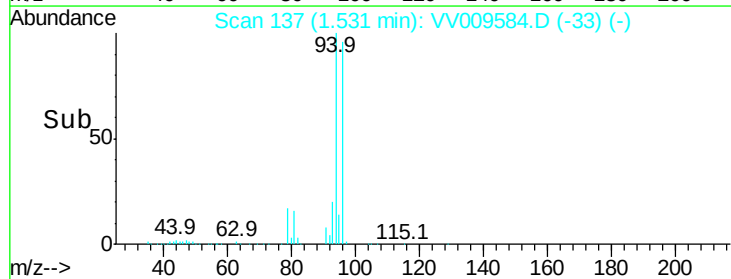
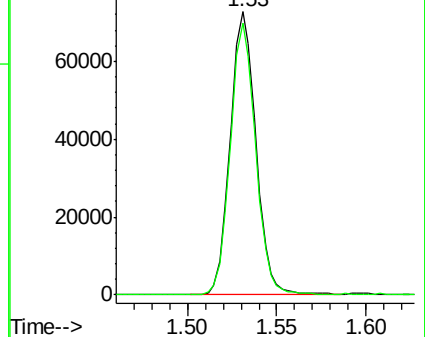
94 100

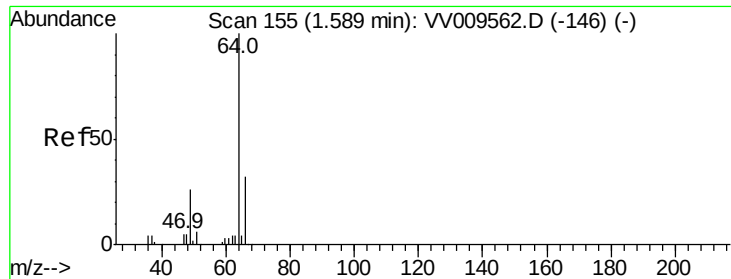
96 94.4 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 26.230 ug/L

RT: 1.59 min Scan# 155

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

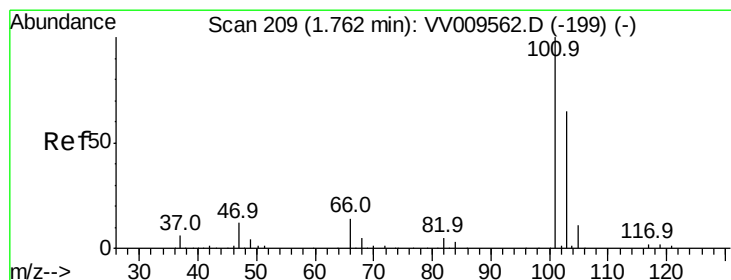
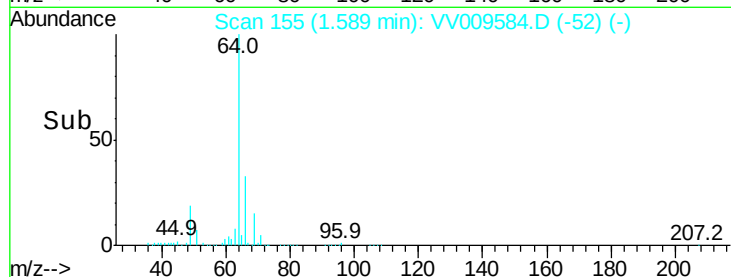
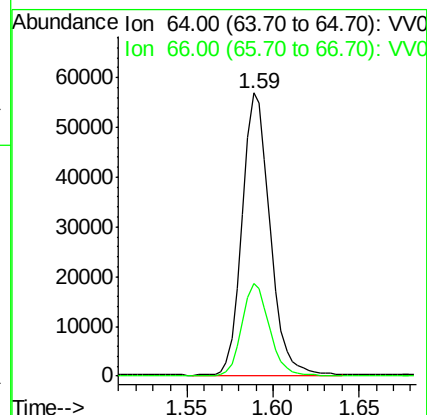
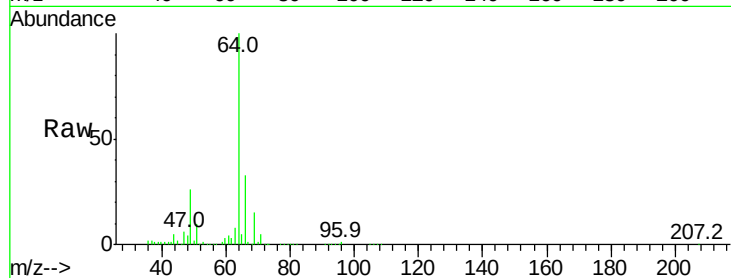
VSTD02576

Tgt Ion: 64 Resp: 64111

Ion Ratio Lower Upper

64 100

66 32.6 21.8 40.6



#9

Trichlorofluoromethane

Concen: 28.892 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV009584.D

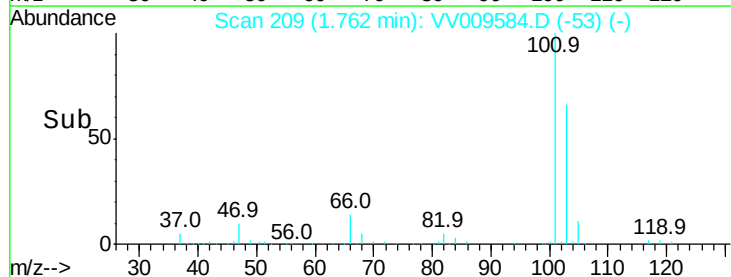
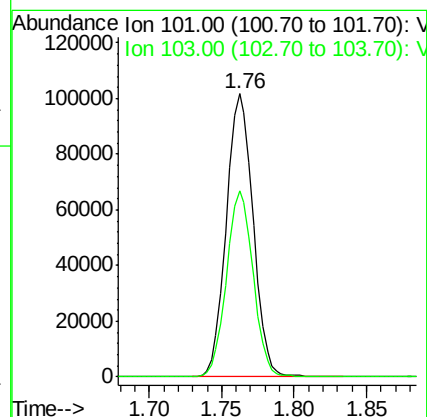
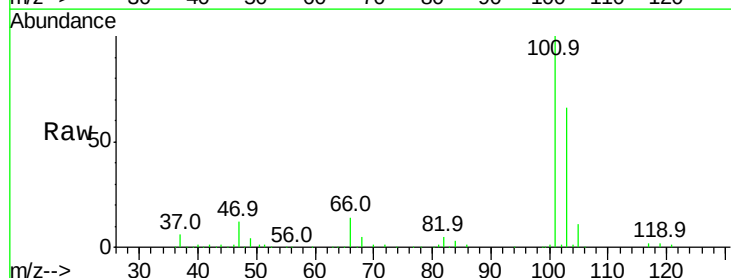
Acq: 11 Mar 2019 09:24

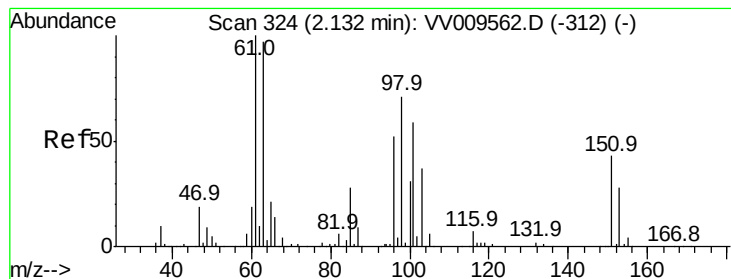
Tgt Ion: 101 Resp: 130361

Ion Ratio Lower Upper

101 100

103 65.0 44.7 83.1





#11

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

Concen: 29.582 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

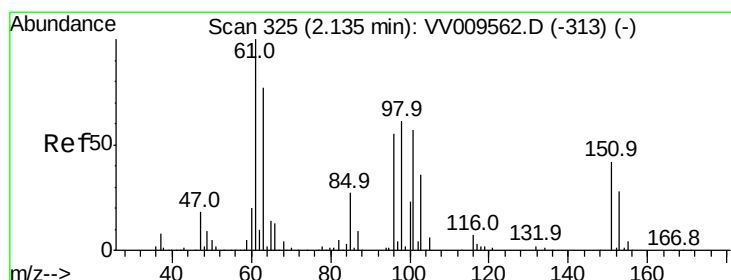
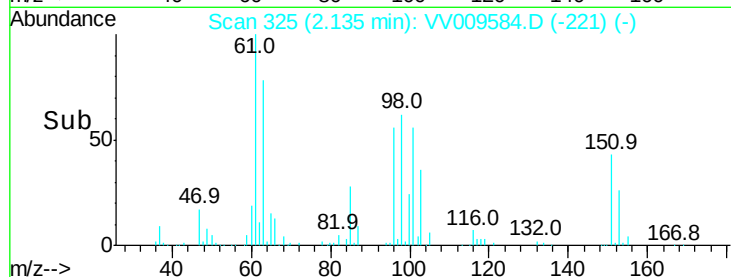
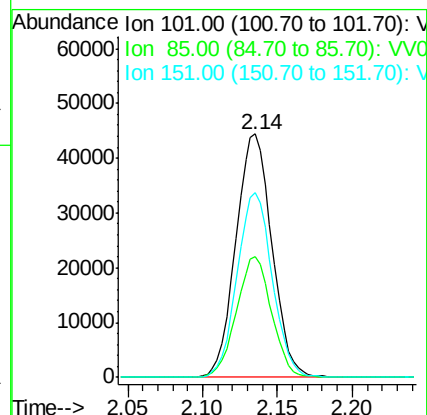
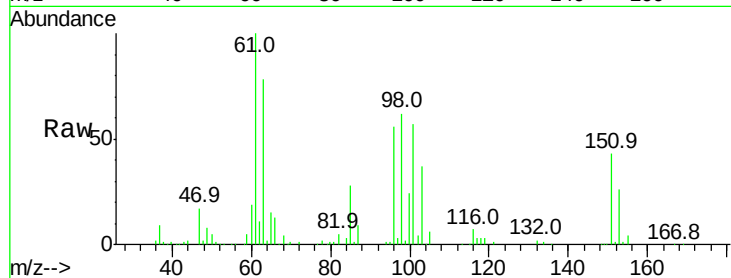
Tgt Ion: 101 Resp: 74737

Ion Ratio Lower Upper

101 100

85 48.1 40.1 60.1

151 73.8 55.9 83.9



#12

1,1-Dichloroethene

Concen: 28.182 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

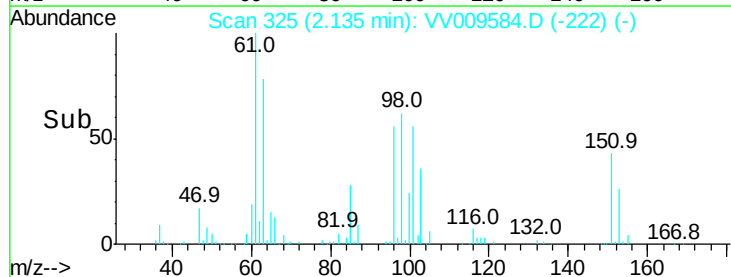
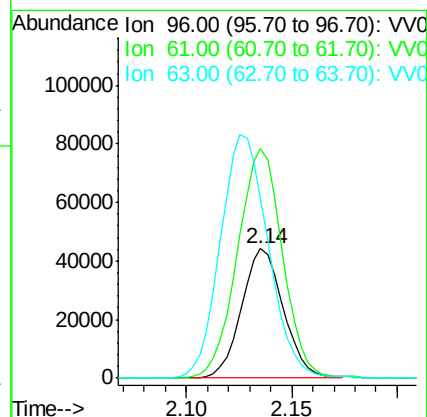
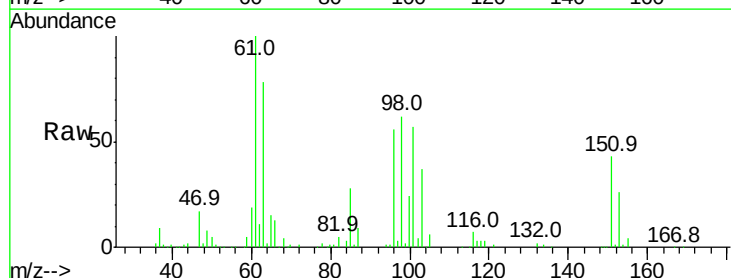
Tgt Ion: 96 Resp: 60918

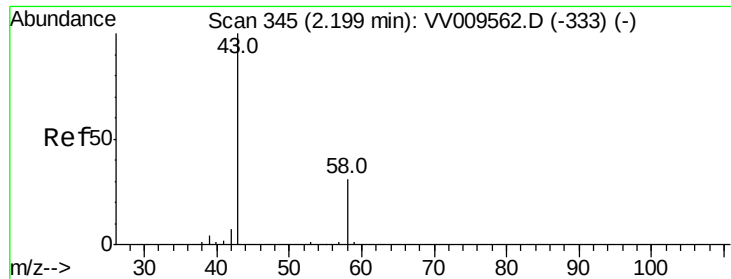
Ion Ratio Lower Upper

96 100

61 178.0 136.9 254.3

63 139.1 108.7 201.9





#13

Acetone

Concen: 43.525 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

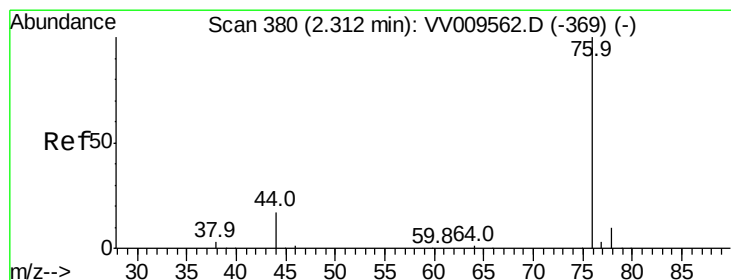
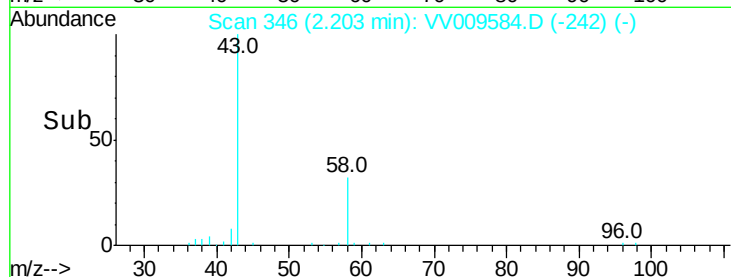
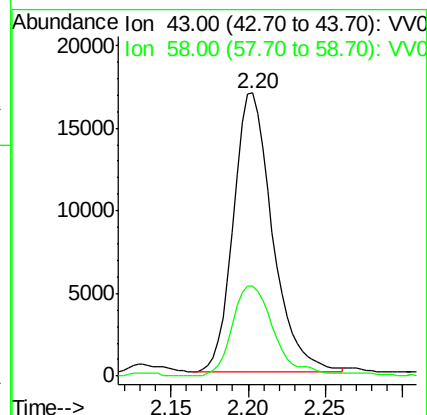
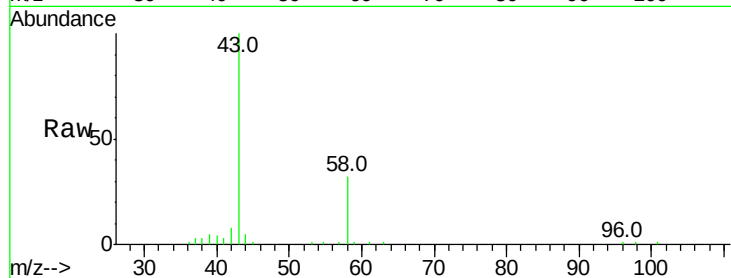
VSTD02576

Tgt Ion: 43 Resp: 29513

Ion Ratio Lower Upper

43 100

58 33.0 0.0 68.8



#14

Carbon disulfide

Concen: 28.127 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV009584.D

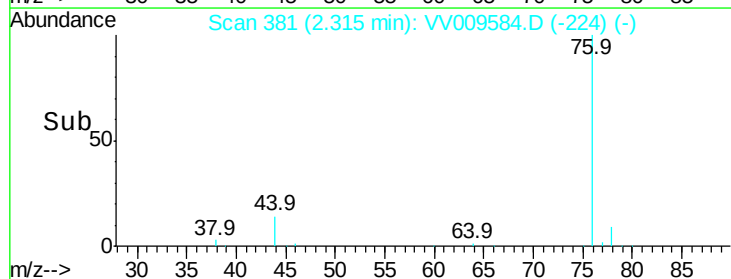
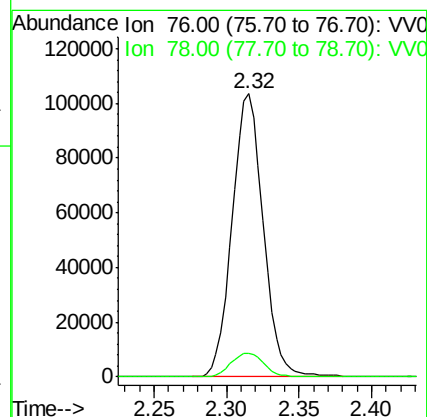
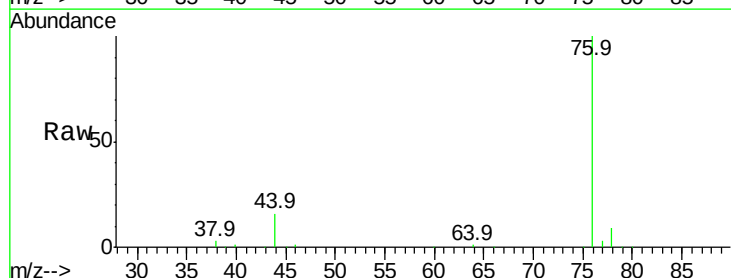
Acq: 11 Mar 2019 09:24

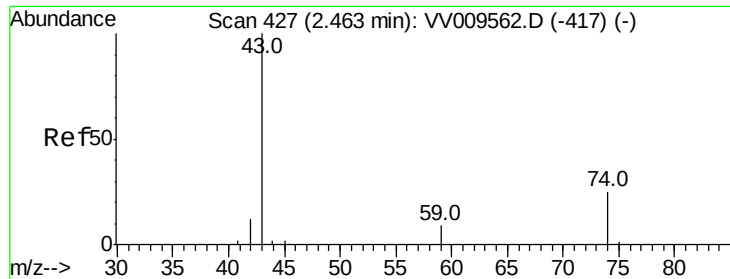
Tgt Ion: 76 Resp: 154105

Ion Ratio Lower Upper

76 100

78 8.5 7.5 11.3





#15

Methyl Acetate

Concen: 22.038 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

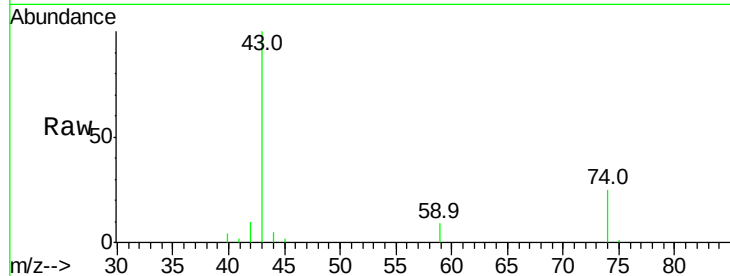
VSTD02576

Tgt Ion: 43 Resp: 24199

Ion Ratio Lower Upper

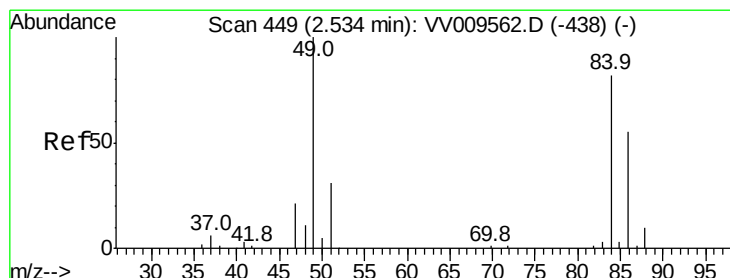
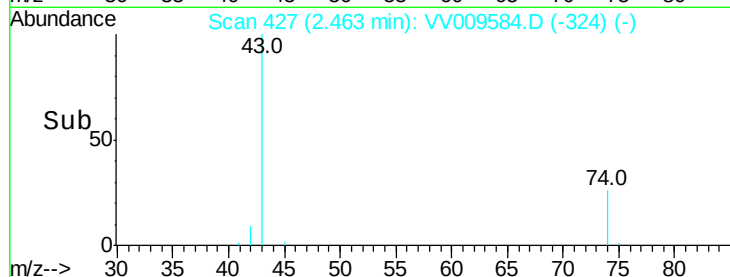
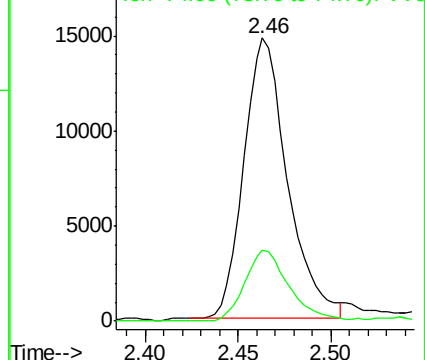
43 100

74 25.3 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 25.321 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

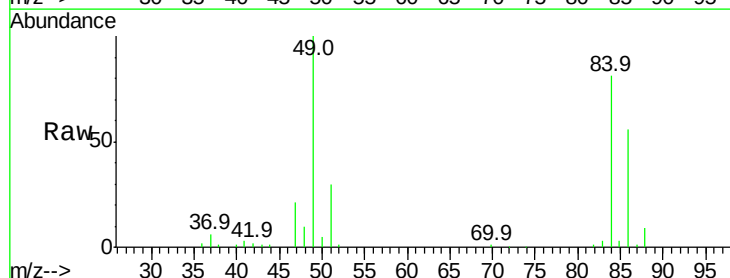
Tgt Ion: 84 Resp: 54027

Ion Ratio Lower Upper

84 100

49 124.0 84.6 157.0

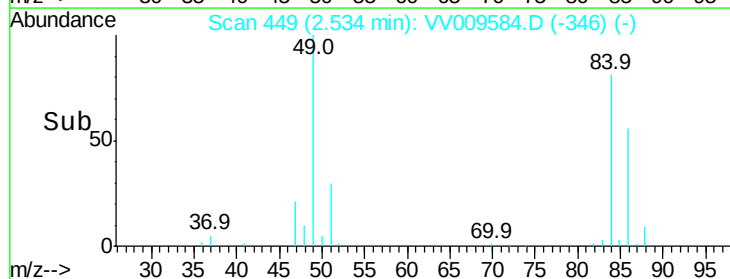
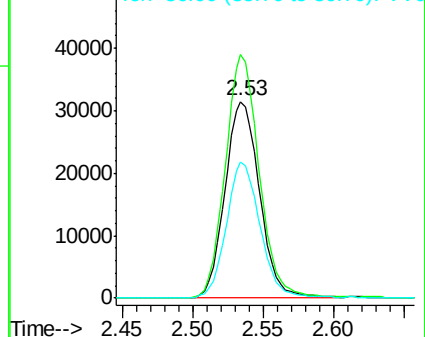
86 69.6 46.1 85.7

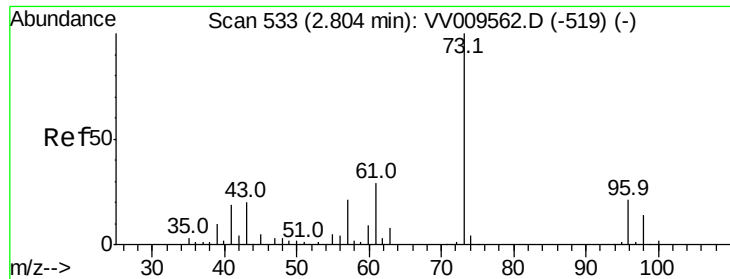


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

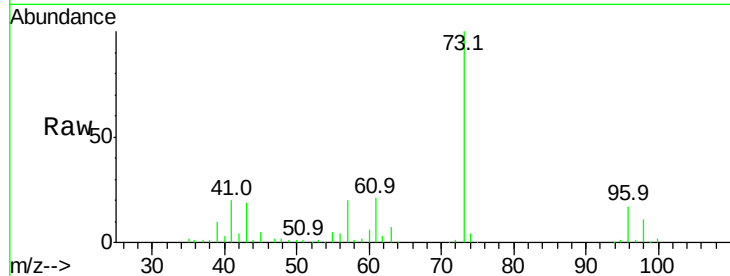




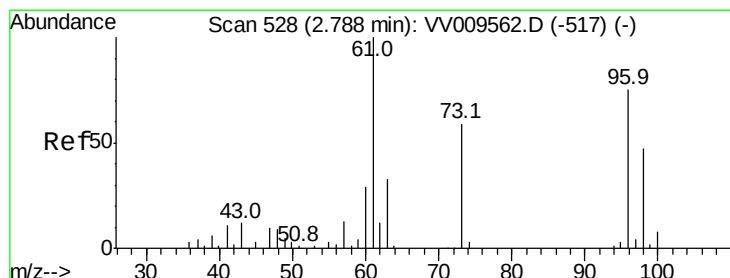
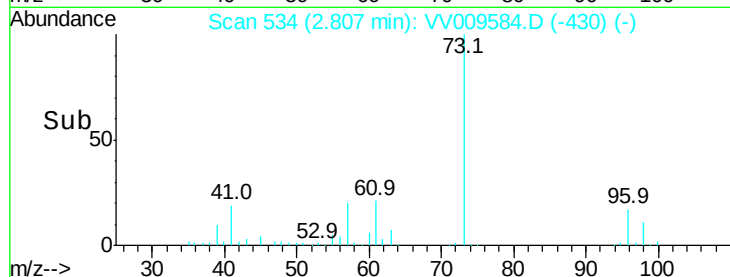
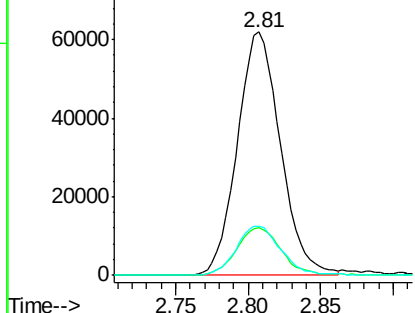
#17
Methyl tert-butyl Ether
Concen: 26.472 ug/L
RT: 2.81 min Scan# 534
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Tgt Ion: 73 Resp: 128136
Ion Ratio Lower Upper
73 100
43 20.2 15.0 22.4
57 21.0 17.0 25.4

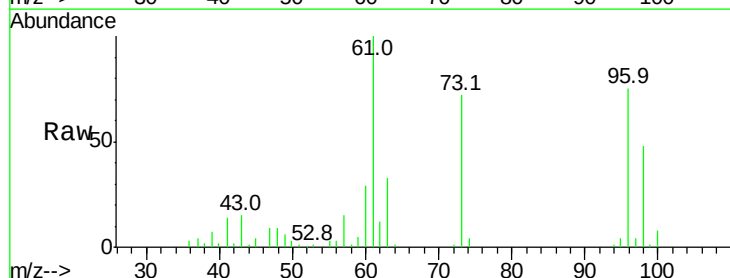


Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

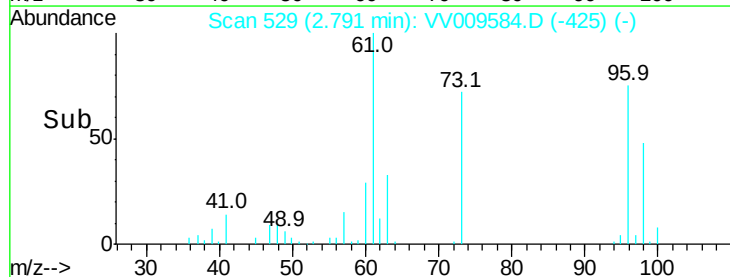
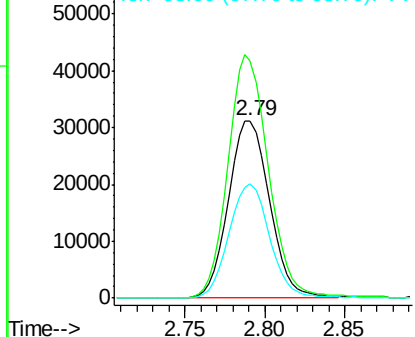


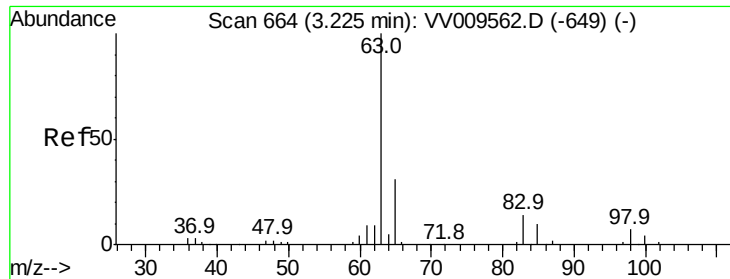
#18
trans-1,2-Dichloroethene
Concen: 28.178 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Tgt Ion: 96 Resp: 54710
Ion Ratio Lower Upper
96 100
61 133.8 95.6 177.6
98 64.3 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0





#19

1,1-Dichloroethane

Concen: 29.049 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

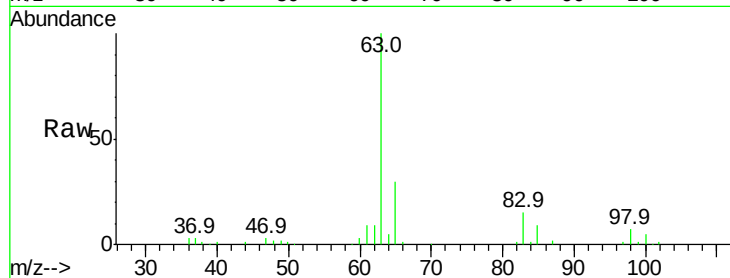
Tgt Ion: 63 Resp: 99382

Ion Ratio Lower Upper

63 100

65 30.3 22.1 41.1

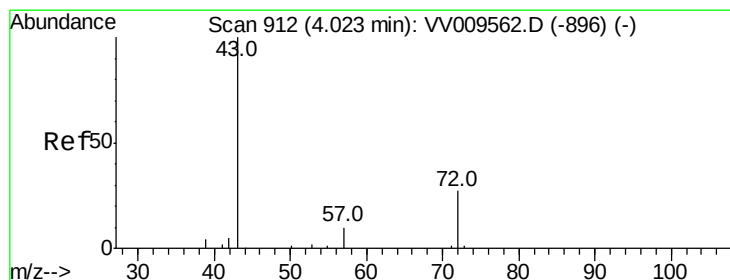
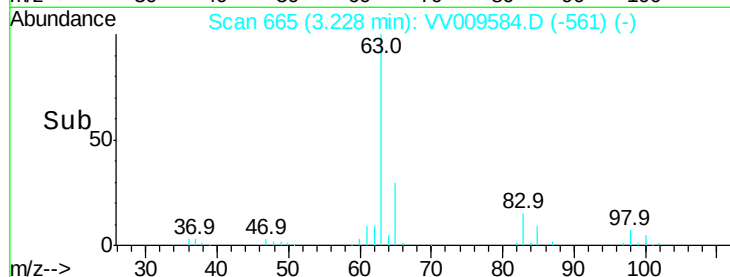
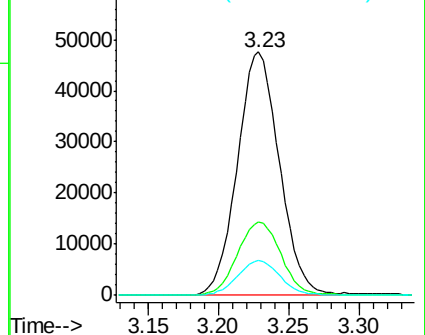
83 14.6 10.2 19.0



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: 39.566 ug/L

RT: 4.03 min Scan# 914

Delta R.T. 0.01 min

Lab File: VV009584.D

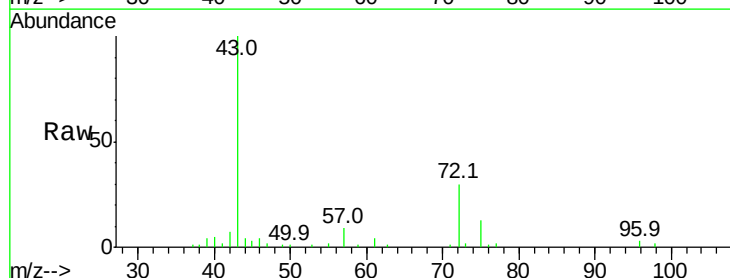
Acq: 11 Mar 2019 09:24

Tgt Ion: 43 Resp: 33860

Ion Ratio Lower Upper

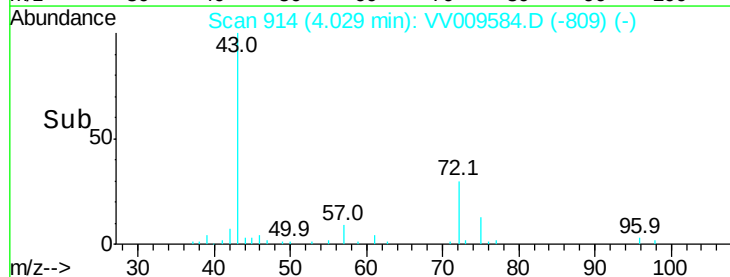
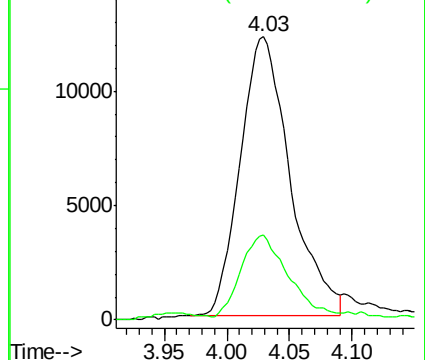
43 100

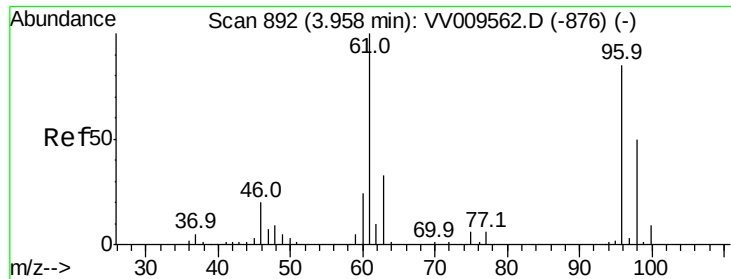
72 29.8 13.7 41.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



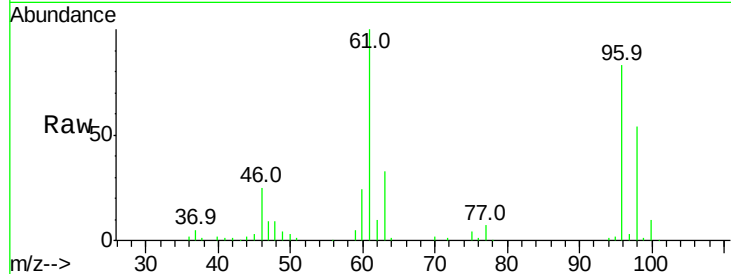


#22

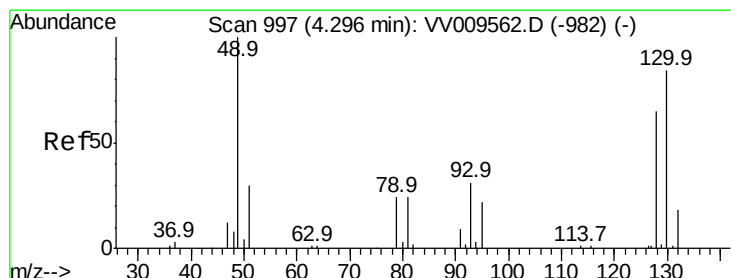
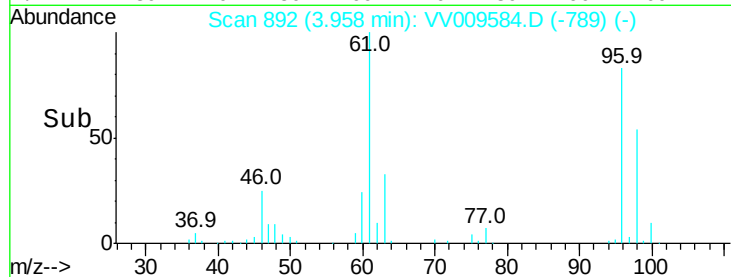
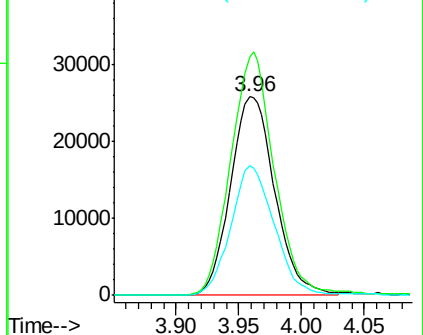
cis-1,2-Dichloroethene
Concen: 28.874 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

Tgt Ion: 96 Resp: 63290
Ion Ratio Lower Upper
96 100
61 120.1 87.2 161.9
98 65.4 44.6 82.8



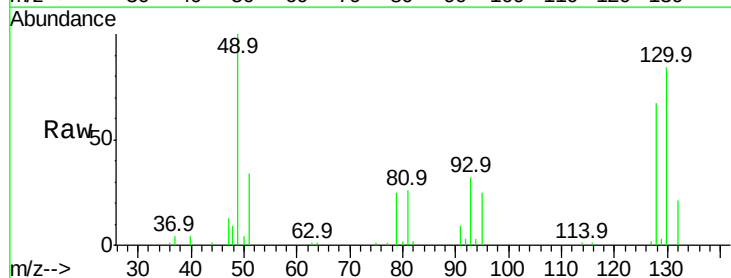
Abundance Ion 96.00 (95.70 to 96.70): VV009584.D (-892) (-)
Ion 61.00 (60.70 to 61.70): VV009584.D (-892) (-)
Ion 98.00 (97.70 to 98.70): VV009584.D (-892) (-)



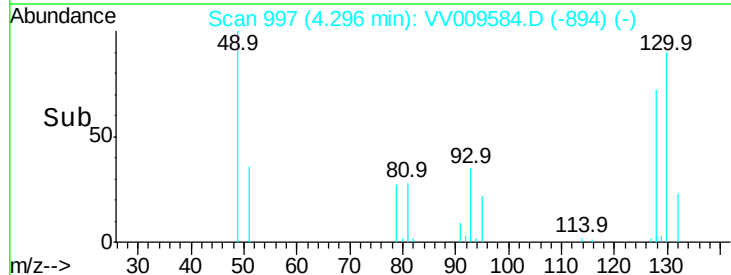
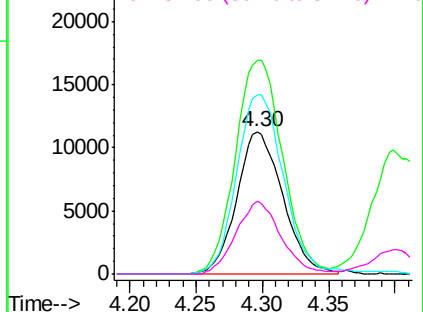
#23

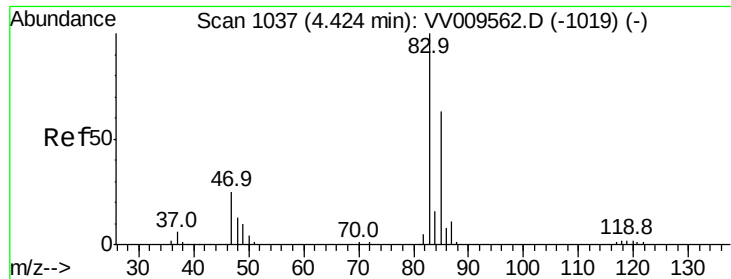
Bromochloromethane
Concen: 26.890 ug/L
RT: 4.30 min Scan# 997
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Tgt Ion: 128 Resp: 27178
Ion Ratio Lower Upper
128 100
49 149.8 115.5 214.5
130 126.2 92.6 172.0
51 51.2 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): VV009584.D (-894) (-)
Ion 49.00 (48.70 to 49.70): VV009584.D (-894) (-)
Ion 130.00 (129.70 to 130.70): VV009584.D (-894) (-)
Ion 51.00 (50.70 to 51.70): VV009584.D (-894) (-)

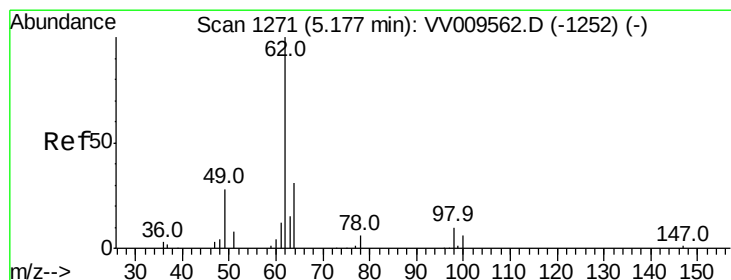
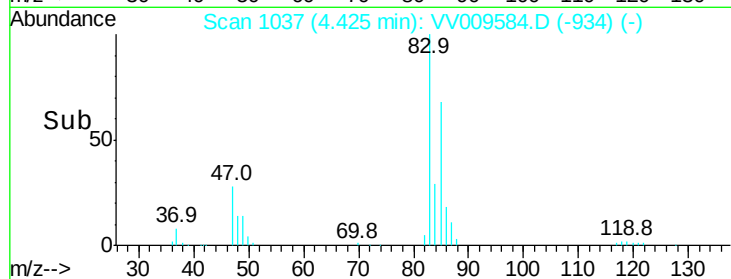
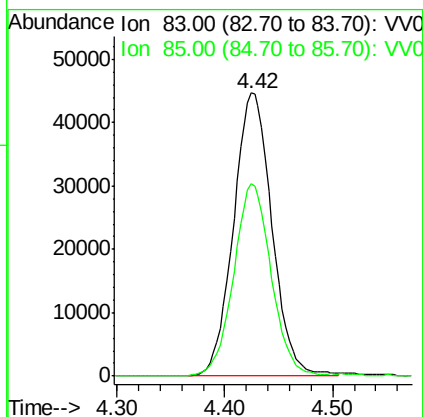
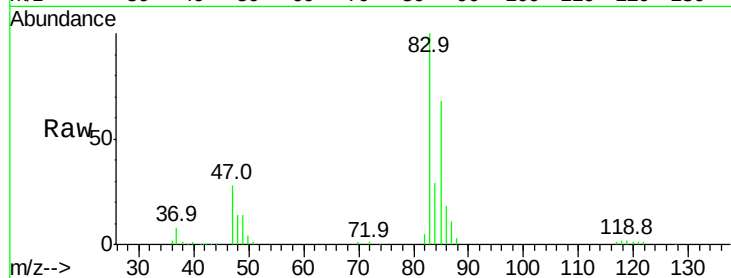




#25
Chloroform
Concen: 29.031 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

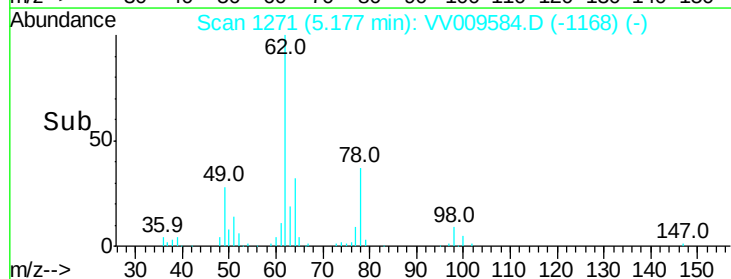
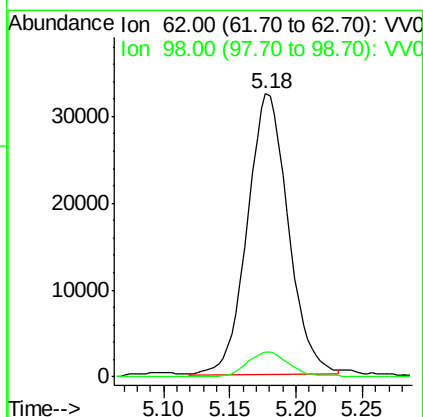
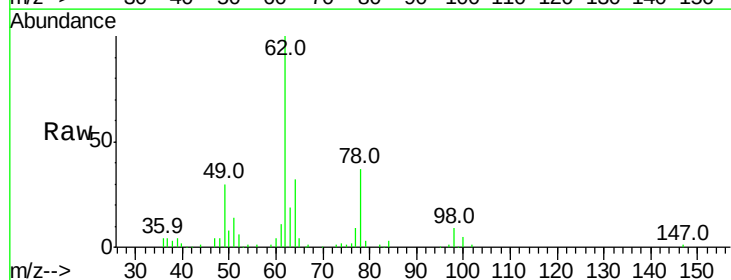
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

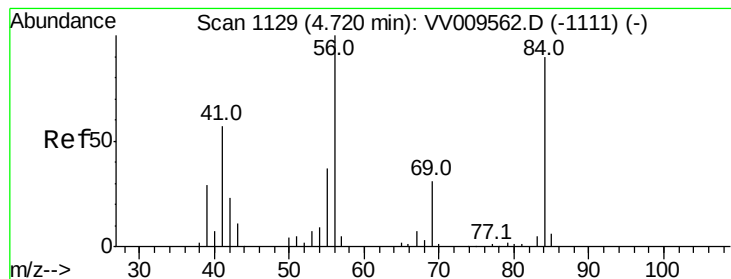
Tgt Ion: 83 Resp: 110838
Ion Ratio Lower Upper
83 100
85 66.2 45.4 84.2



#27
1,2-Dichloroethane
Concen: 26.227 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Tgt Ion: 62 Resp: 69545
Ion Ratio Lower Upper
62 100
98 8.7 6.6 10.0





#30

Cyclohexane

Concen: 27.683 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

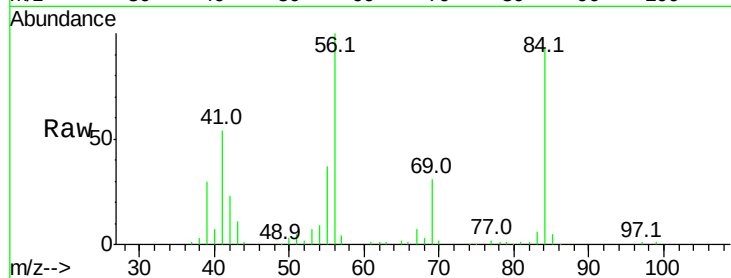
Tgt Ion: 56 Resp: 89240

Ion Ratio Lower Upper

56 100

69 31.7 24.9 37.3

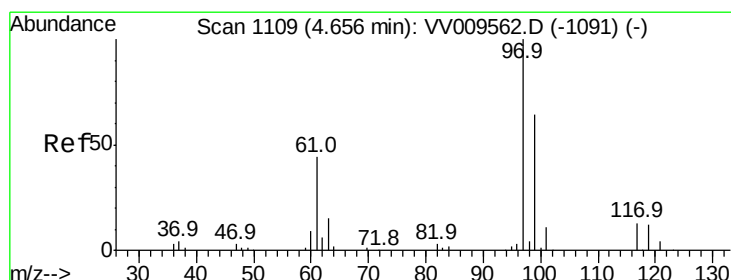
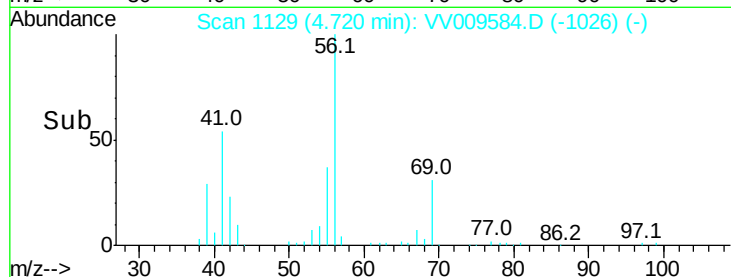
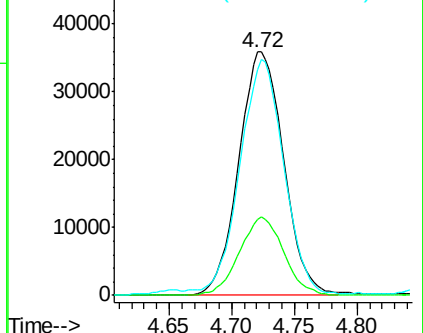
84 95.1 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VV009584.D (-1026) (-)

Ion 69.00 (68.70 to 69.70): VV009584.D (-1026) (-)

Ion 84.00 (83.70 to 84.70): VV009584.D (-1026) (-)



#31

1,1,1-Trichloroethane

Concen: 29.232 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

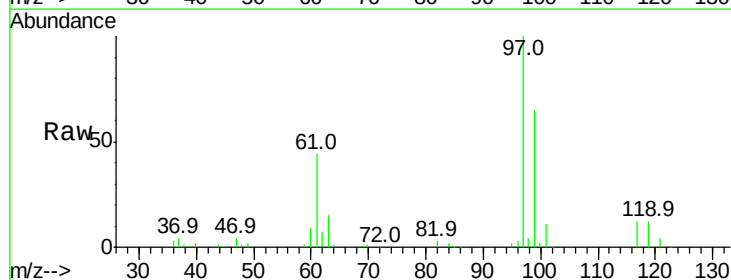
Tgt Ion: 97 Resp: 99260

Ion Ratio Lower Upper

97 100

99 62.9 51.0 76.4

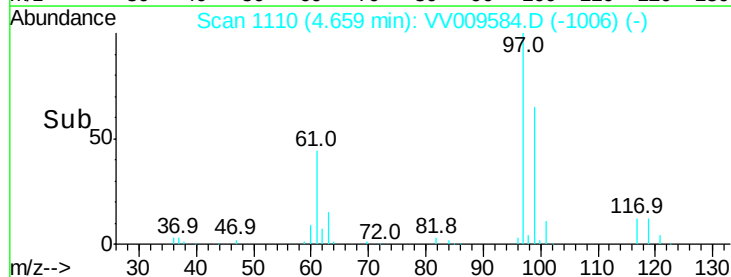
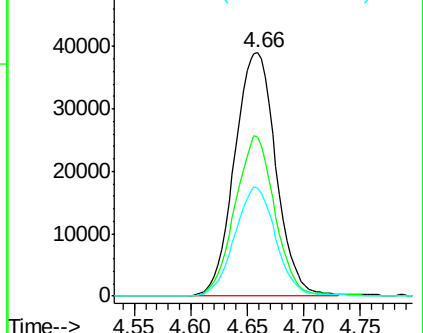
61 44.0 36.1 54.1

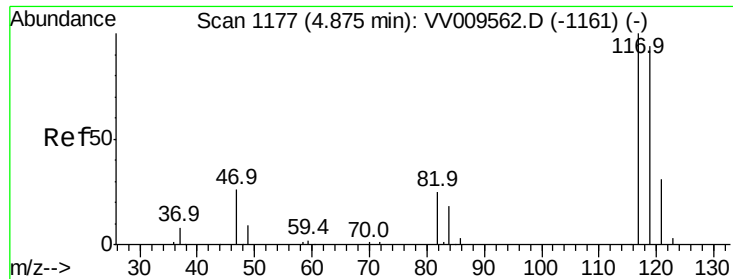


Abundance Ion 97.00 (96.70 to 97.70): VV009584.D (-1006) (-)

Ion 99.00 (98.70 to 99.70): VV009584.D (-1006) (-)

Ion 61.00 (60.70 to 61.70): VV009584.D (-1006) (-)





#32

Carbon tetrachloride

Concen: 29.796 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

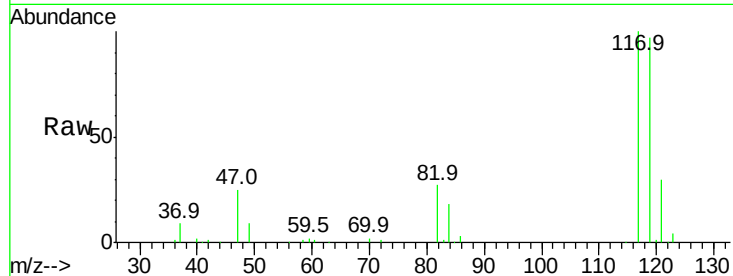
VSTD02576

Tgt Ion:117 Resp: 85535

Ion Ratio Lower Upper

117 100

119 95.4 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.87

40000

30000

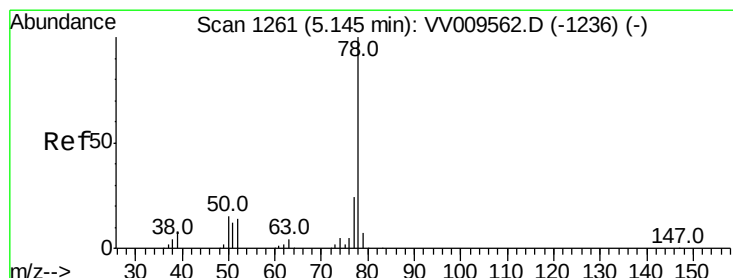
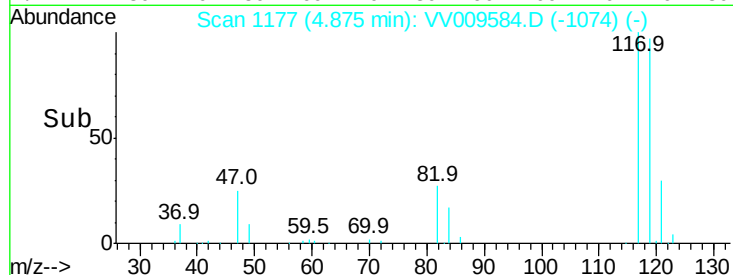
20000

10000

0

Time-->

4.80 4.90 5.00



#34

Benzene

Concen: 28.481 ug/L

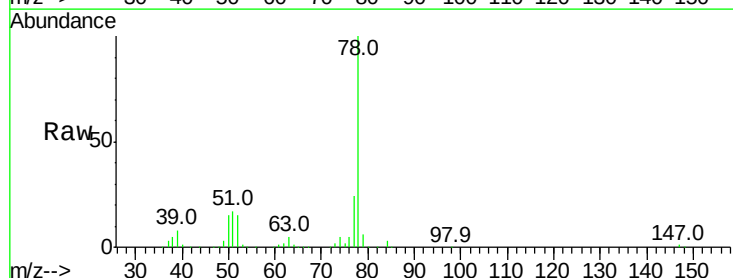
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Tgt Ion: 78 Resp: 223532



Abundance Ion 78.00 (77.70 to 78.70): VV0

120000

100000

80000

60000

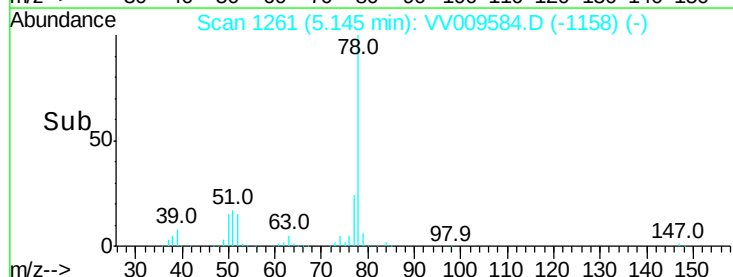
40000

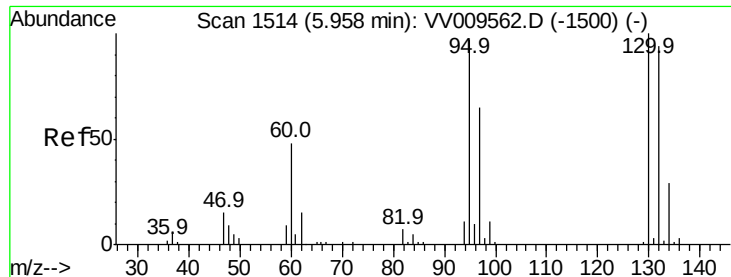
20000

0

Time-->

5.00 5.10 5.20





#35

Trichloroethene

Concen: 27.862 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

Tgt Ion: 95 Resp: 62845

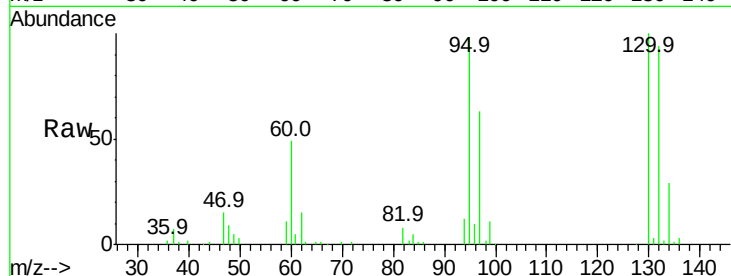
Ion Ratio Lower Upper

95 100

97 65.2 44.3 82.3

132 94.2 64.4 119.6

130 101.5 69.4 128.8

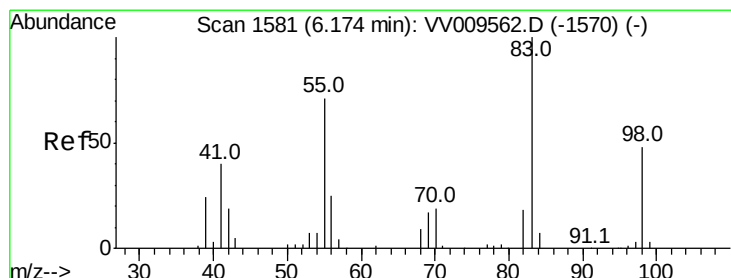
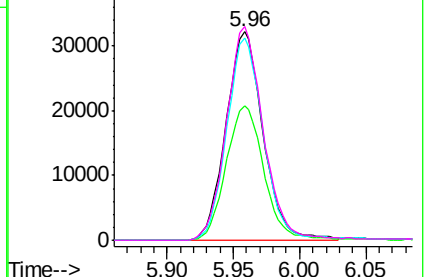
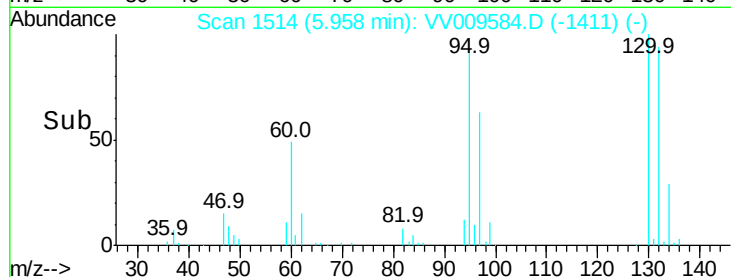


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 27.454 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

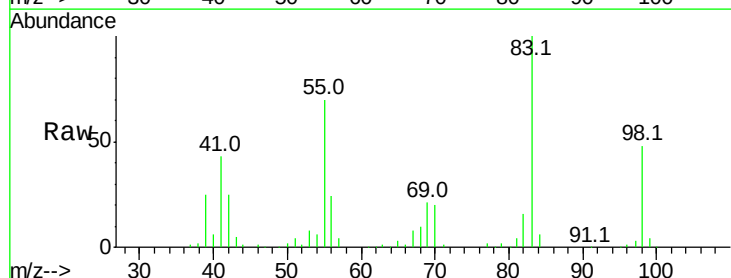
Tgt Ion: 83 Resp: 100877

Ion Ratio Lower Upper

83 100

55 73.1 58.8 88.2

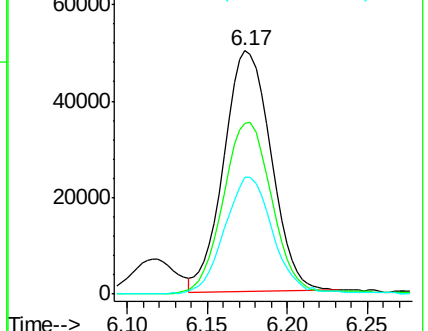
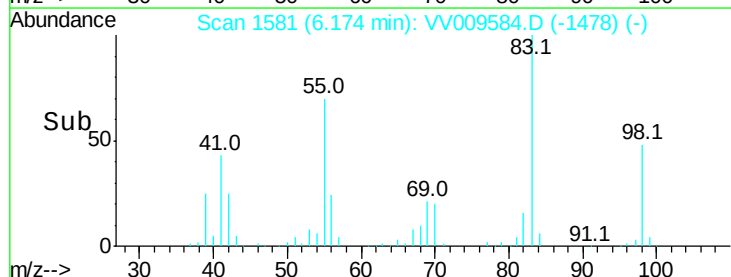
98 47.8 37.7 56.5

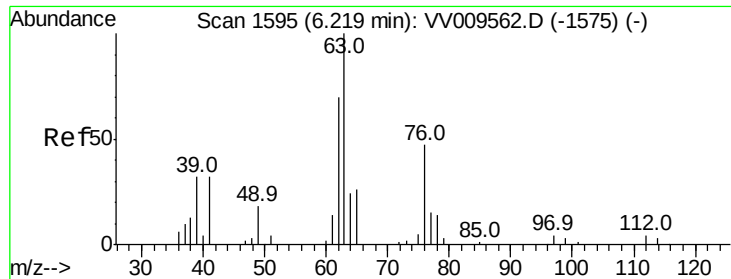


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

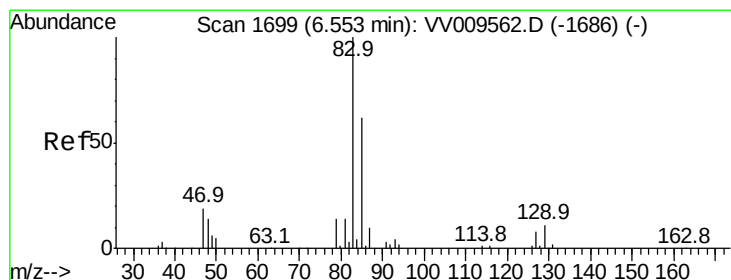
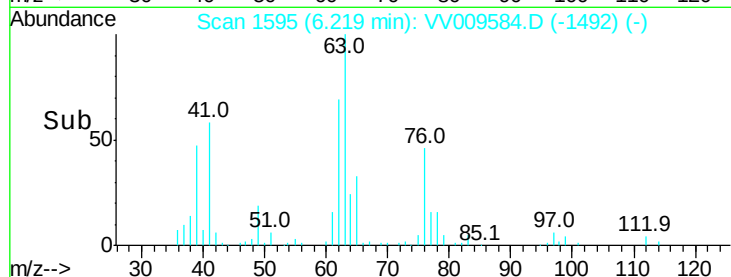
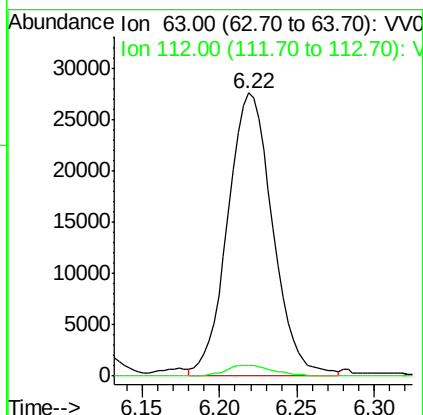
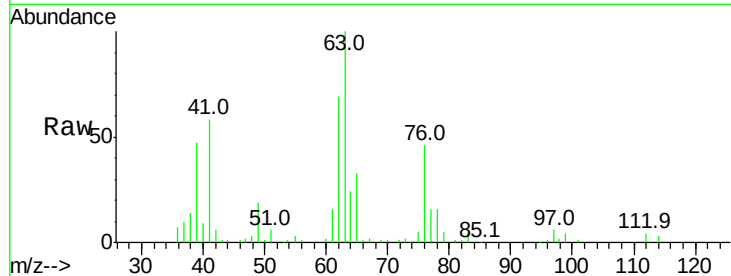




#40
 1,2-Dichloropropane
 Concen: 27.514 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

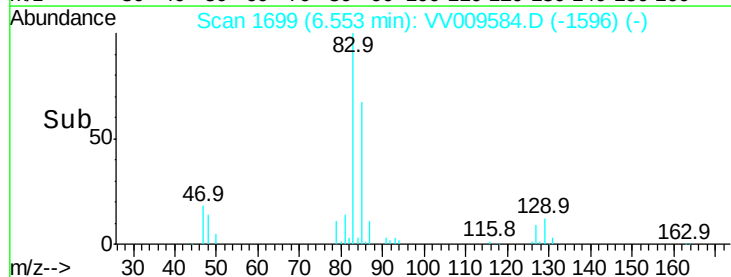
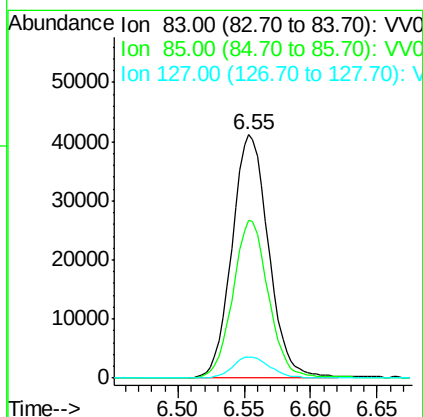
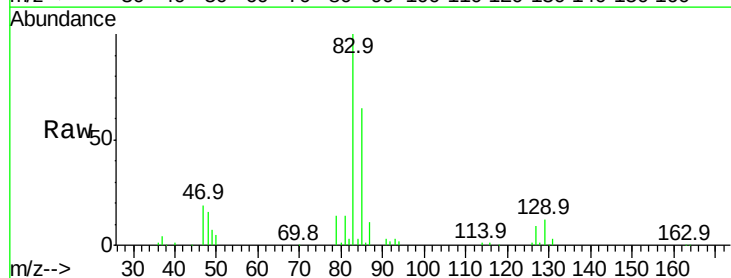
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

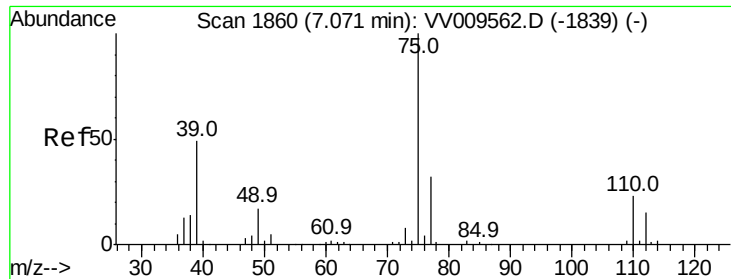
Tgt Ion: 63 Resp: 55680
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.0 4.4



#41
 Bromodichloromethane
 Concen: 28.966 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

Tgt Ion: 83 Resp: 79121
 Ion Ratio Lower Upper
 83 100
 85 64.9 46.5 86.3
 127 8.7 7.2 10.8



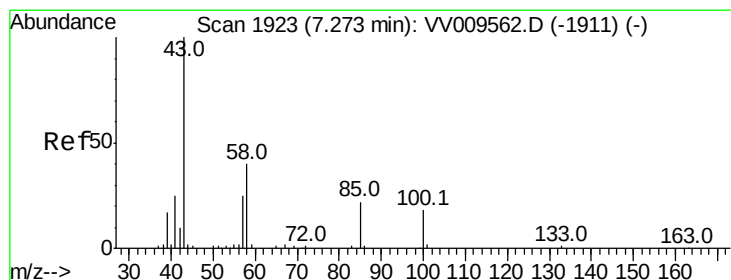
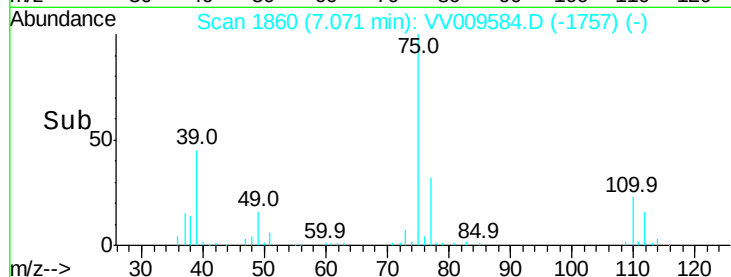
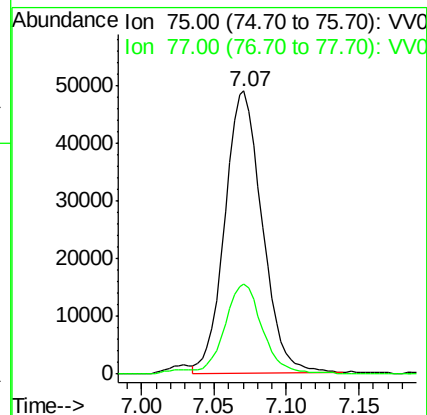
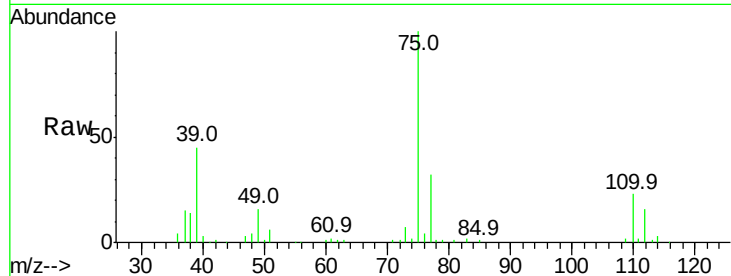


#42

cis-1,3-Dichloropropene
Concen: 28.110 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Instrument :
MSVOA_V
ClientSampled :
VSTD02576

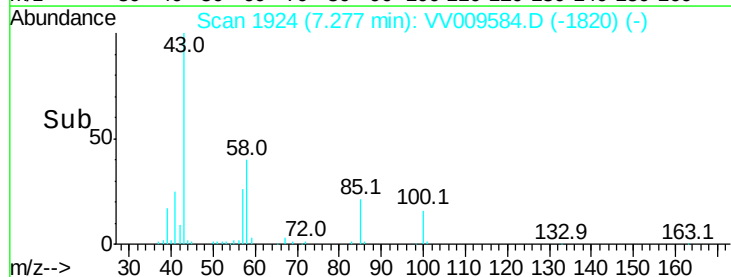
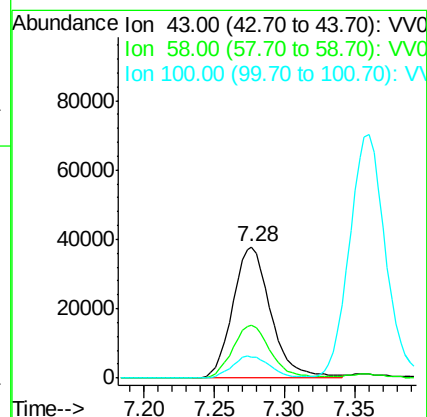
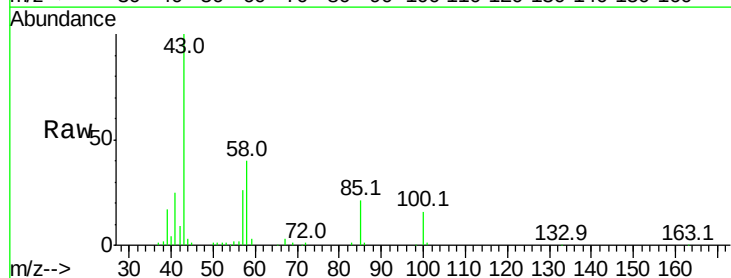
Tgt Ion: 75 Resp: 88313
Ion Ratio Lower Upper
75 100
77 31.8 21.4 39.8

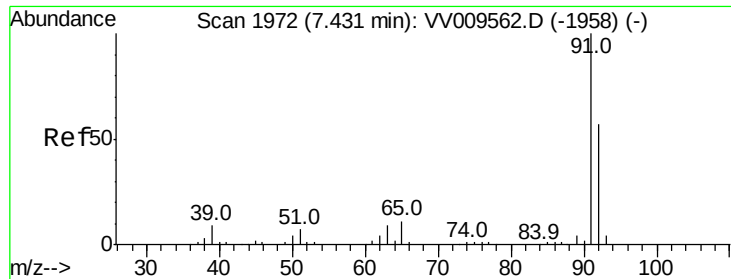


#43

4-Methyl-2-pentanone
Concen: 44.911 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Tgt Ion: 43 Resp: 71645
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
100 16.8 12.8 19.2





#44

Toluene

Concen: 28.663 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

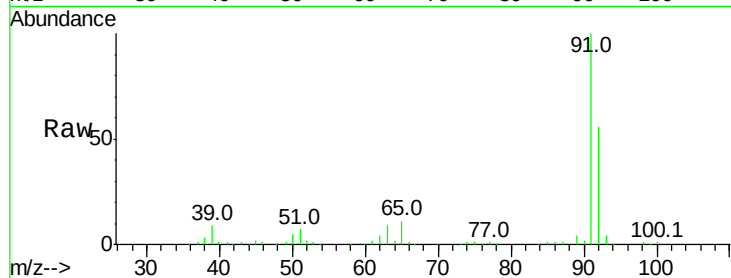
VSTD02576

Tgt Ion: 91 Resp: 254290

Ion Ratio Lower Upper

91 100

92 56.0 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009562.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009562.D (-1958) (-)

7.43

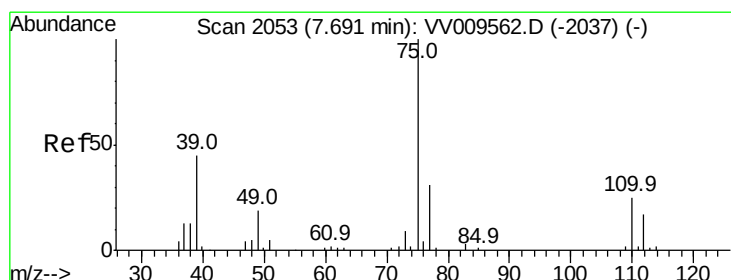
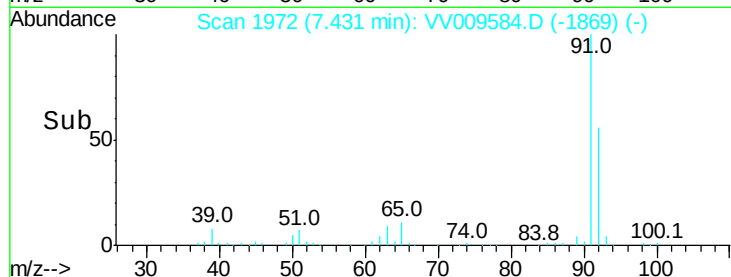
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.632 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV009584.D

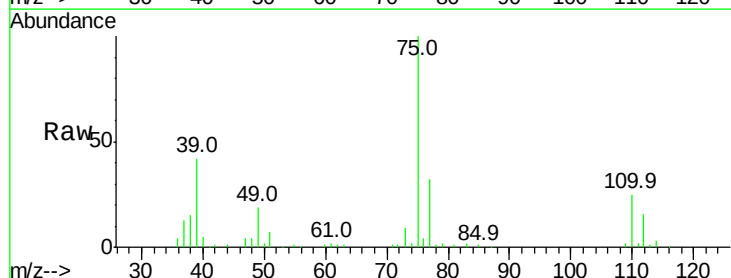
Acq: 11 Mar 2019 09:24

Tgt Ion: 75 Resp: 75818

Ion Ratio Lower Upper

75 100

77 32.0 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009562.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009562.D (-2037) (-)

7.69

50000

40000

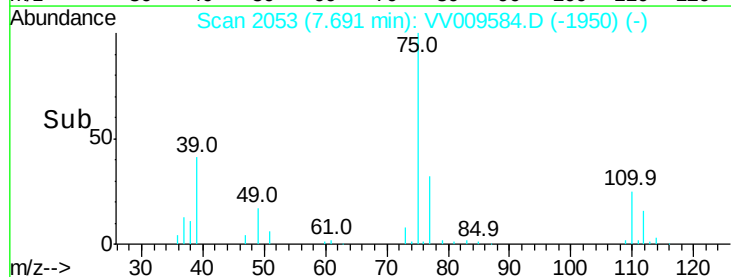
30000

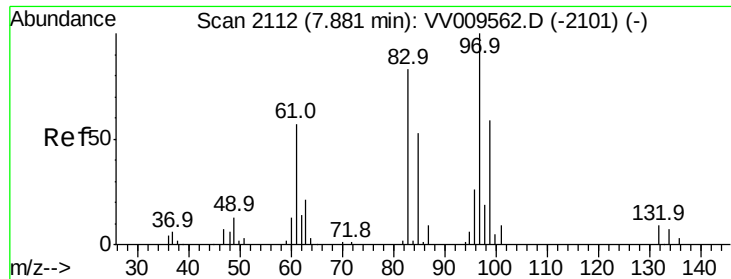
20000

10000

0

Time-->

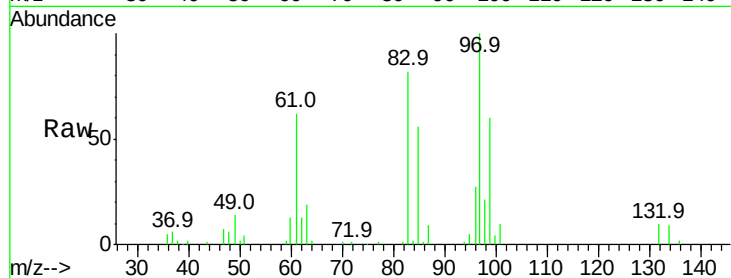




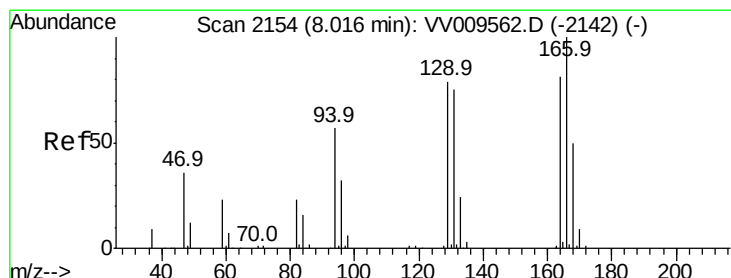
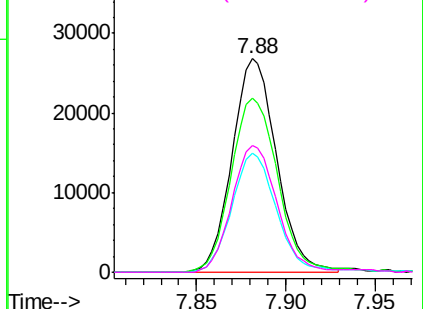
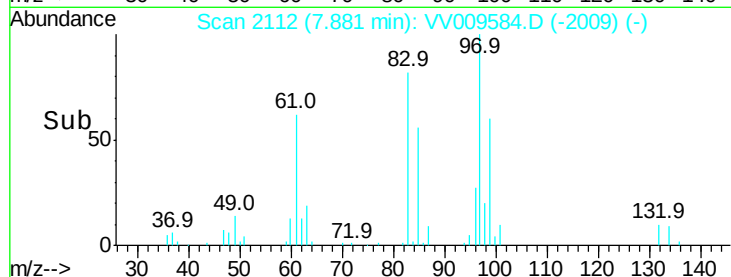
#46
 1,1,2-Trichloroethane
 Concen: 27.640 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Tgt Ion: 97 Resp: 46470
 Ion Ratio Lower Upper
 97 100
 83 81.6 63.8 118.6
 85 55.7 39.5 73.4
 99 59.6 45.9 85.3

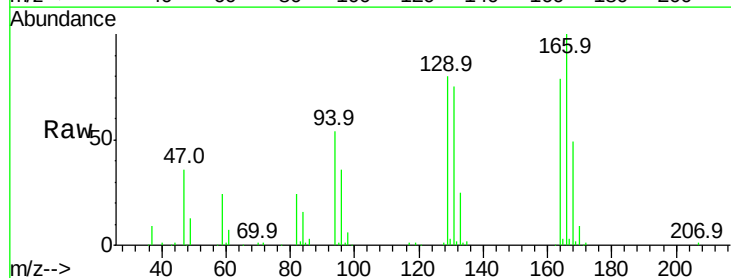


Abundance Ion 97.00 (96.70 to 97.70): VV009584.D (-2099) (-)
 Ion 83.00 (82.70 to 83.70): VV009584.D (-2099) (-)
 Ion 85.00 (84.70 to 85.70): VV009584.D (-2099) (-)
 Ion 99.00 (98.70 to 99.70): VV009584.D (-2099) (-)

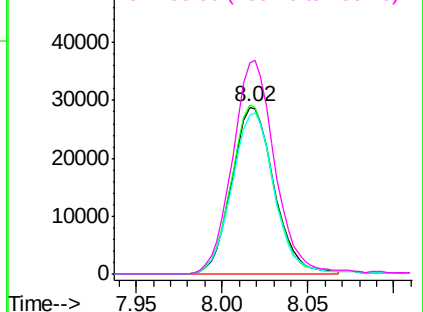
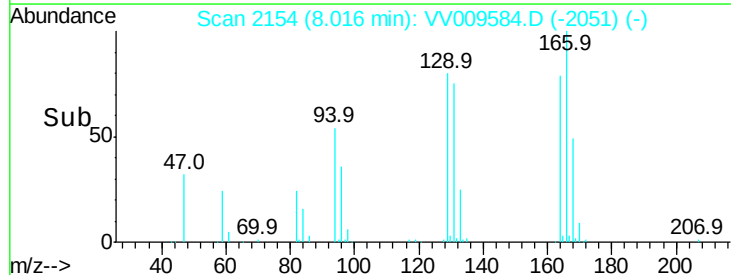


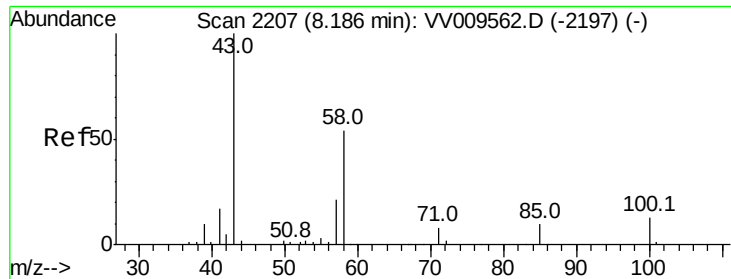
#47
 Tetrachloroethene
 Concen: 28.912 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

Tgt Ion: 164 Resp: 49463
 Ion Ratio Lower Upper
 164 100
 129 101.4 67.7 125.7
 131 95.3 67.5 125.3
 166 126.6 81.6 151.6



Abundance Ion 164.00 (163.70 to 164.70): VV009584.D (-2051) (-)
 Ion 129.00 (128.70 to 129.70): VV009584.D (-2051) (-)
 Ion 131.00 (130.70 to 131.70): VV009584.D (-2051) (-)
 Ion 166.00 (165.70 to 166.70): VV009584.D (-2051) (-)

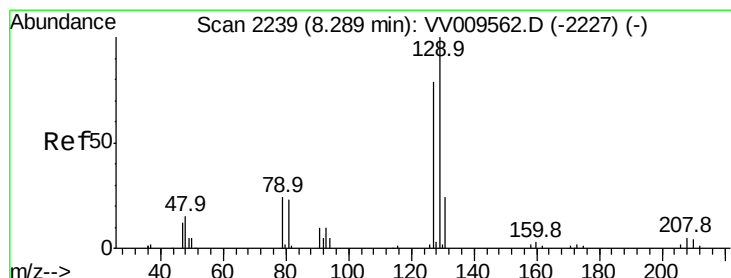
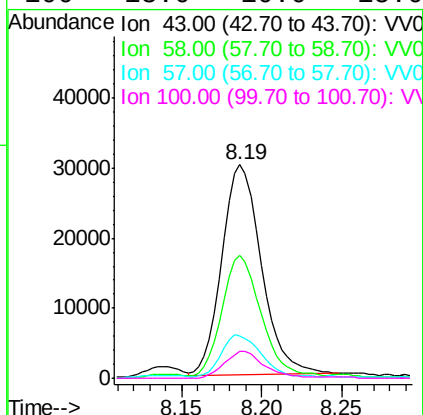
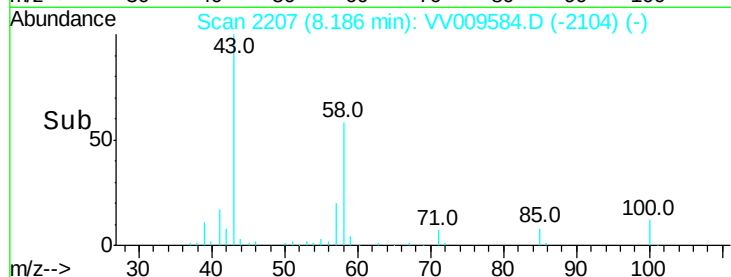
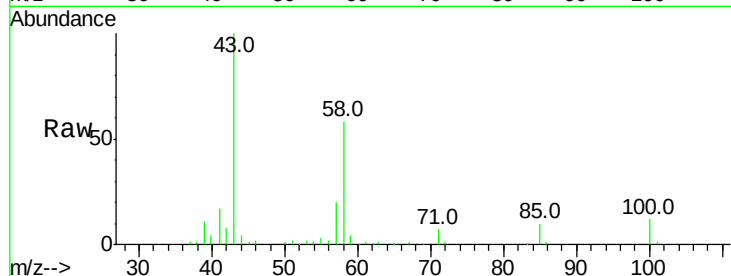




#49
2-Hexanone
Concen: 42.015 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

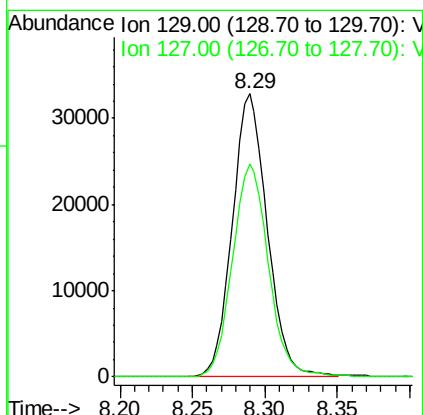
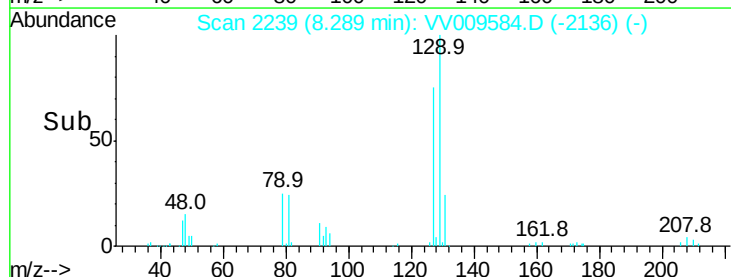
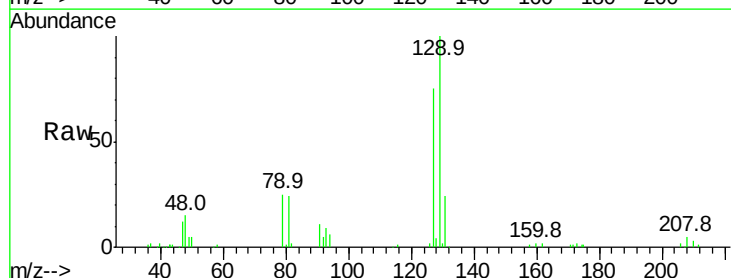
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

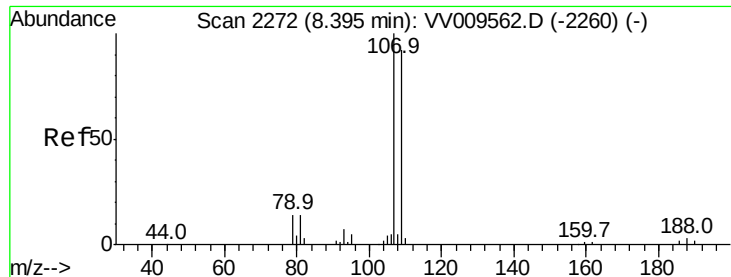
Tgt Ion: 43 Resp: 50683
Ion Ratio Lower Upper
43 100
58 56.8 46.3 69.5
57 20.4 15.8 23.6
100 13.0 10.0 15.0



#50
Dibromochloromethane
Concen: 27.050 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Tgt Ion: 129 Resp: 55059
Ion Ratio Lower Upper
129 100
127 75.4 53.7 99.7

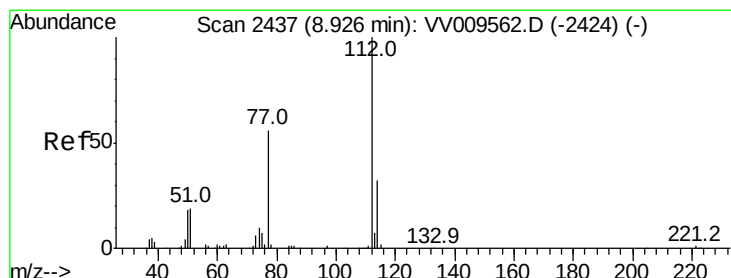
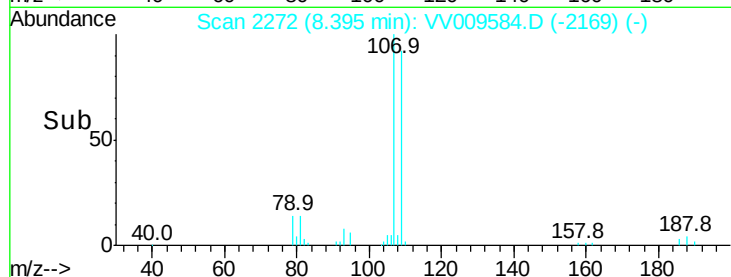
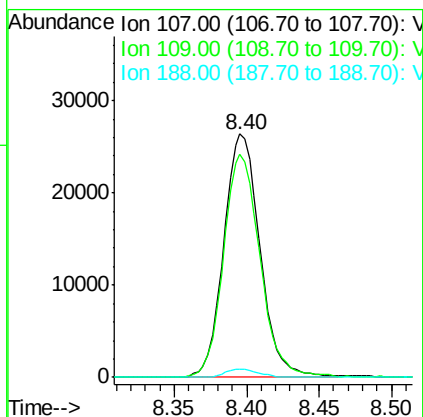
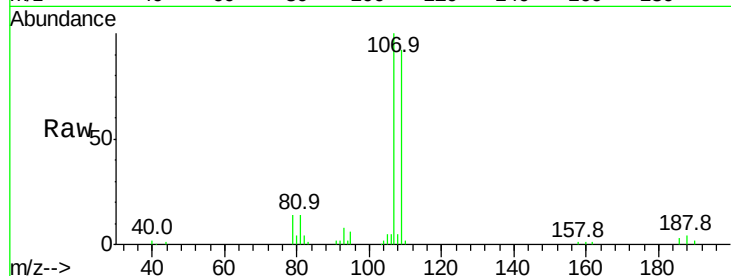




#51
1,2-Dibromoethane
Concen: 26.356 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

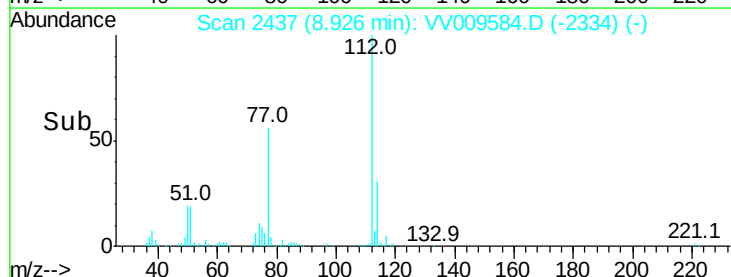
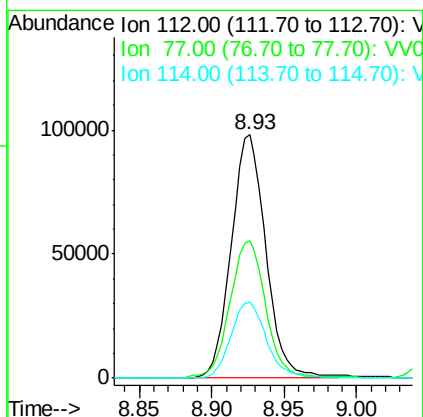
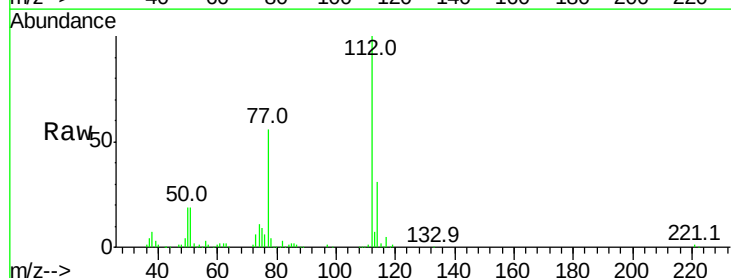
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

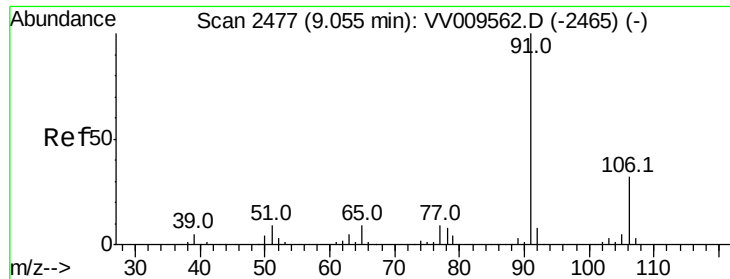
Tgt Ion:107 Resp: 45783
Ion Ratio Lower Upper
107 100
109 91.8 65.6 121.8
188 3.5 2.3 3.5#



#52
Chlorobenzene
Concen: 27.700 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Tgt Ion:112 Resp: 162892
Ion Ratio Lower Upper
112 100
77 56.4 45.0 67.6
114 31.0 22.9 42.5

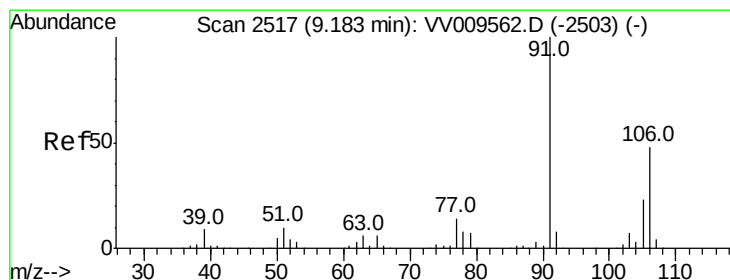
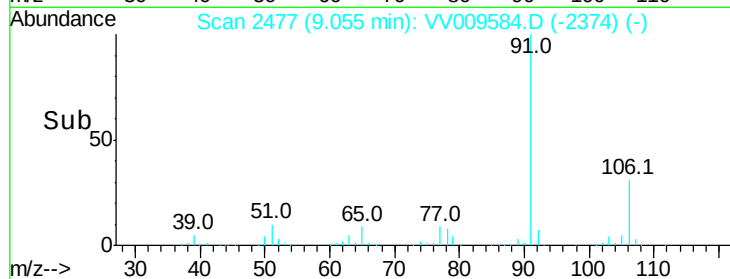
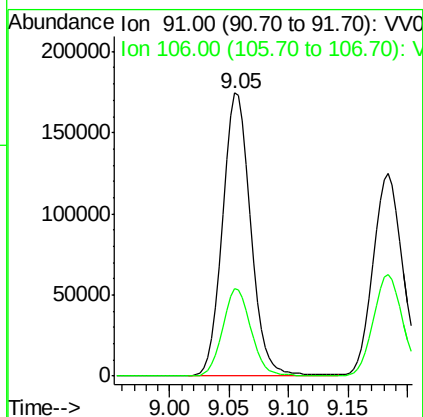
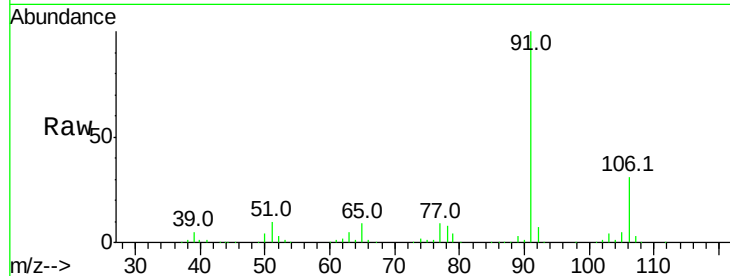




#53
Ethylbenzene
Concen: 28.342 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

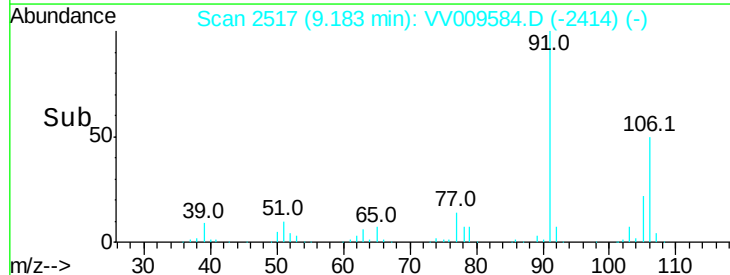
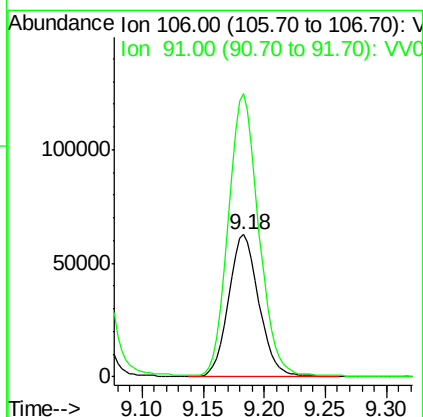
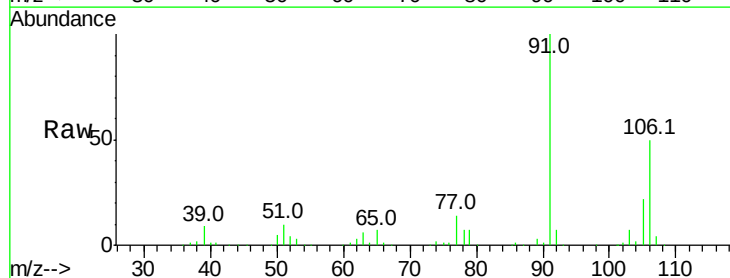
Instrument :
MSVOA_V
ClientSampleId :
VSTD02576

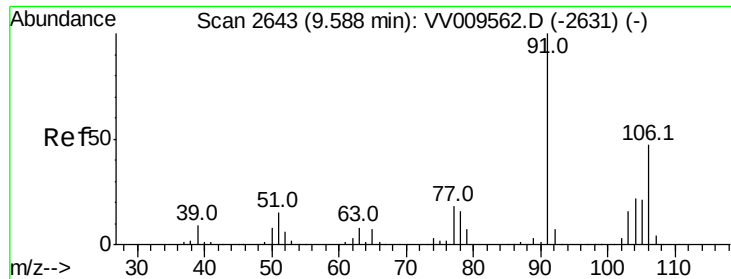
Tgt Ion: 91 Resp: 287730
Ion Ratio Lower Upper
91 100
106 31.0 23.0 42.6



#54
m,p-Xylene
Concen: 28.020 ug/L
RT: 9.18 min Scan# 2517
Delta R.T. 0.00 min
Lab File: VV009584.D
Acq: 11 Mar 2019 09:24

Tgt Ion: 106 Resp: 107663
Ion Ratio Lower Upper
106 100
91 198.7 138.5 257.1





#55

o-xylene

Concen: 27.832 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

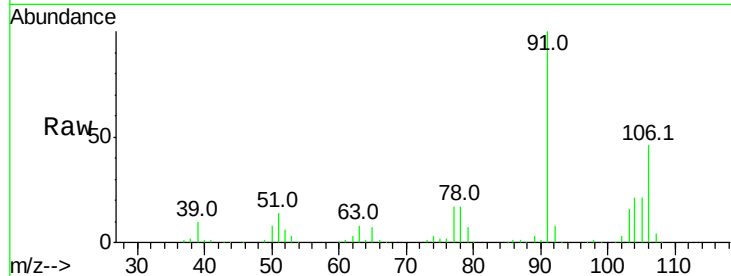
VSTD02576

Tgt Ion:106 Resp: 103122

Ion Ratio Lower Upper

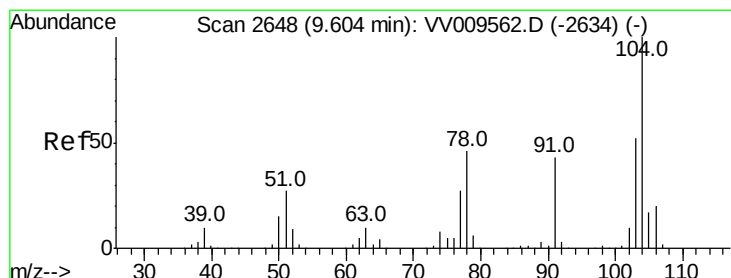
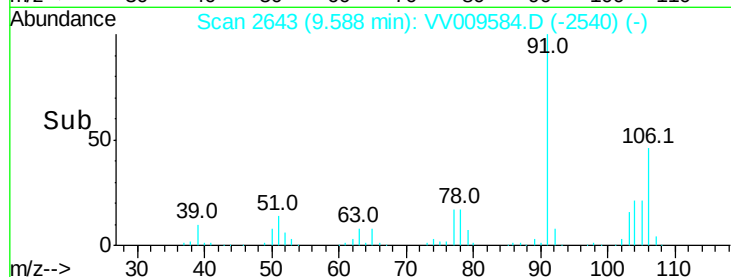
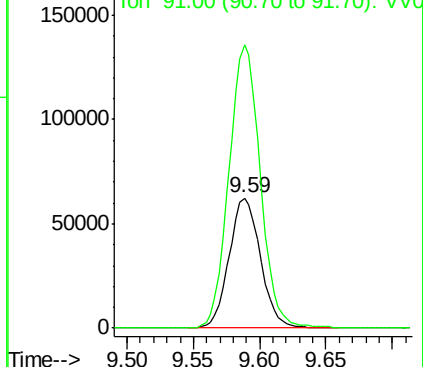
106 100

91 217.3 143.8 267.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 28.135 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009584.D

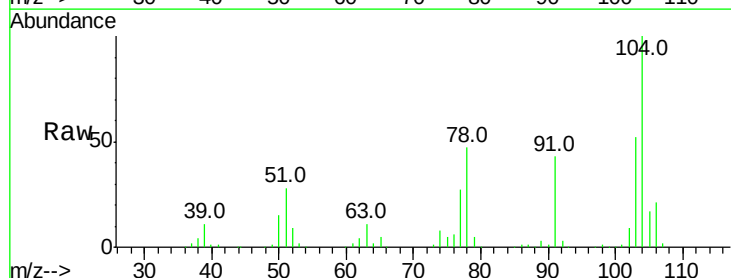
Acq: 11 Mar 2019 09:24

Tgt Ion:104 Resp: 171501

Ion Ratio Lower Upper

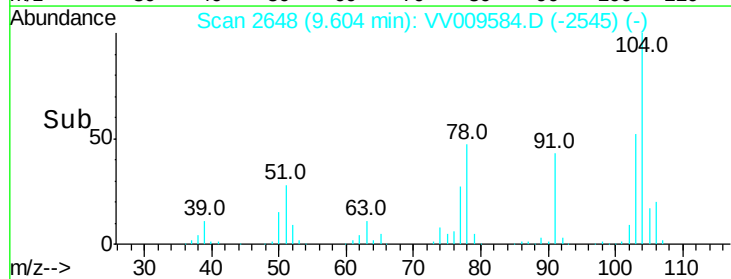
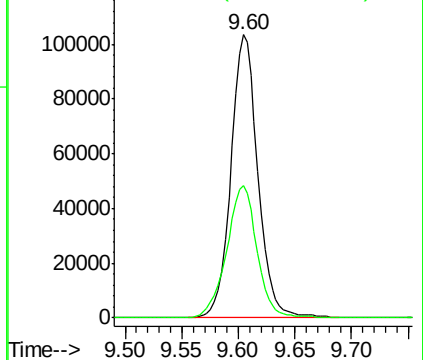
104 100

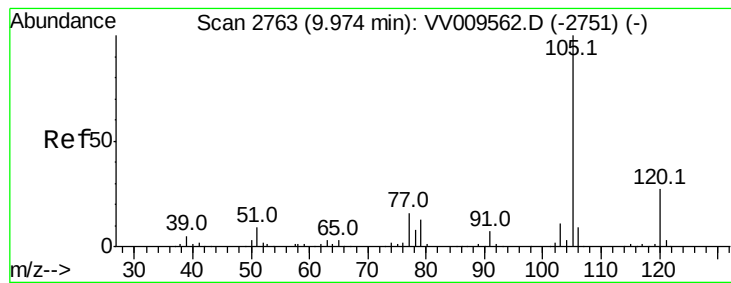
78 46.8 32.7 60.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 27.706 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

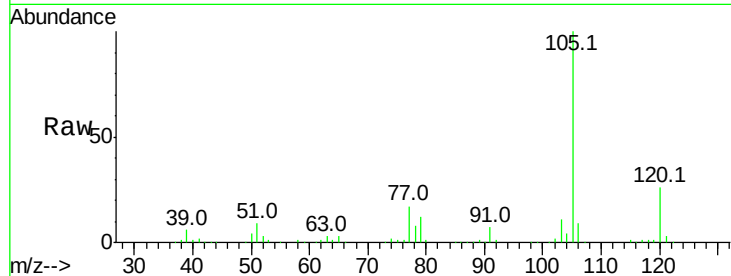
Tgt Ion:105 Resp: 283141

Ion Ratio Lower Upper

105 100

120 26.7 21.4 32.2

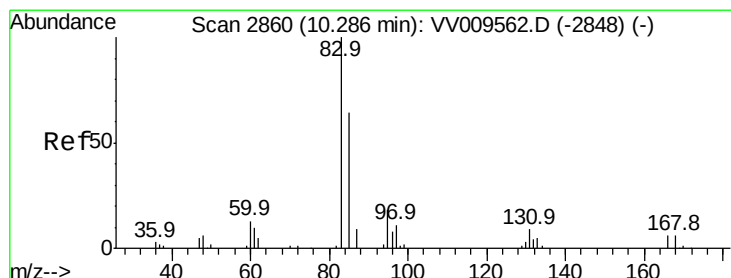
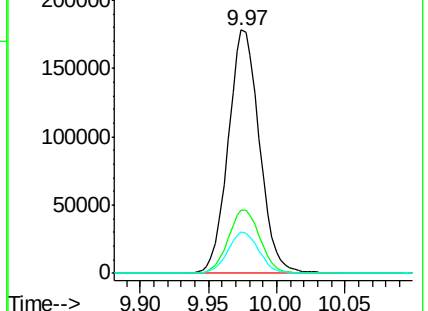
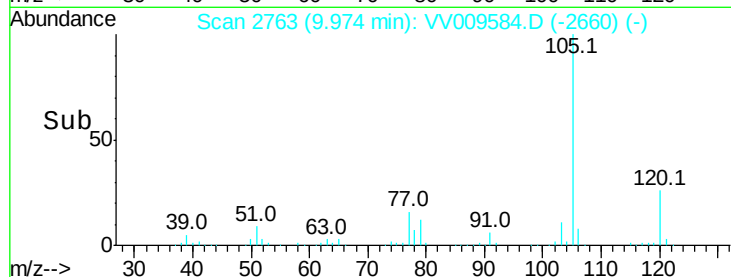
77 17.0 12.8 19.2



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: 25.865 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

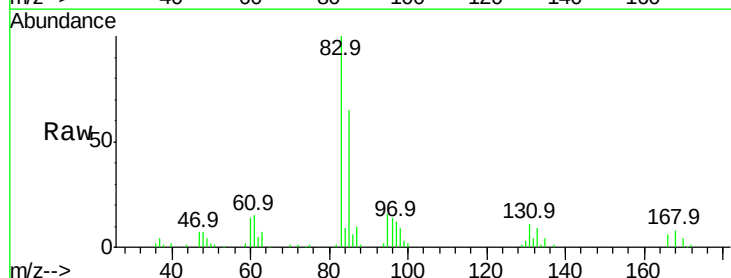
Tgt Ion: 83 Resp: 61404

Ion Ratio Lower Upper

83 100

85 65.5 44.7 83.1

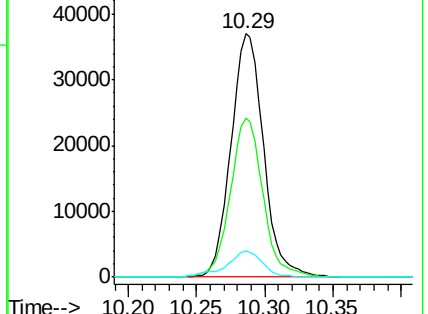
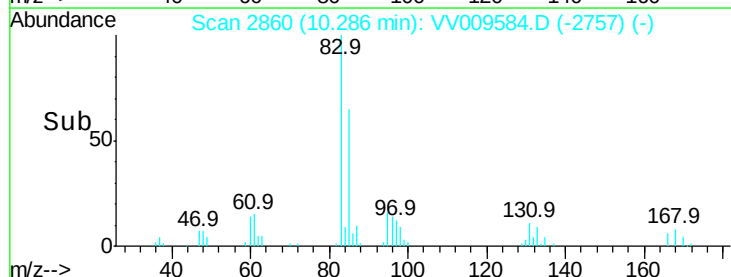
131 10.6 7.0 10.6#

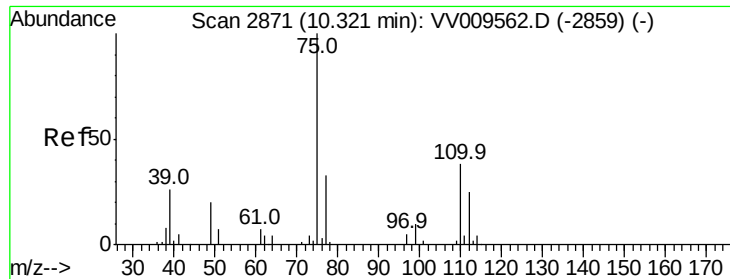


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 25.056 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

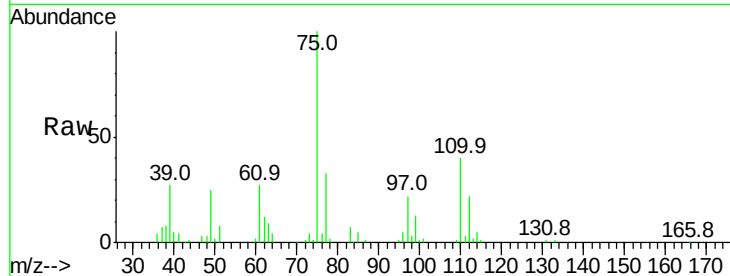
VSTD02576

Tgt Ion: 75 Resp: 42879

Ion Ratio Lower Upper

75 100

77 32.3 25.9 38.9

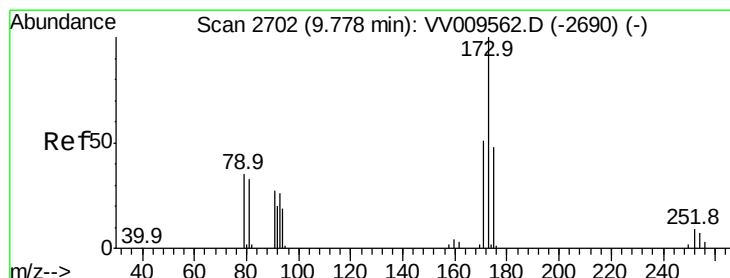
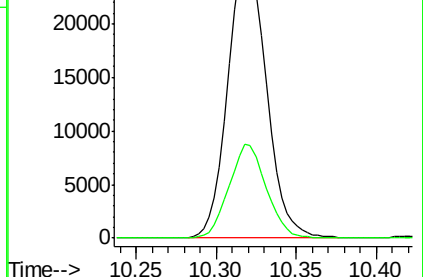
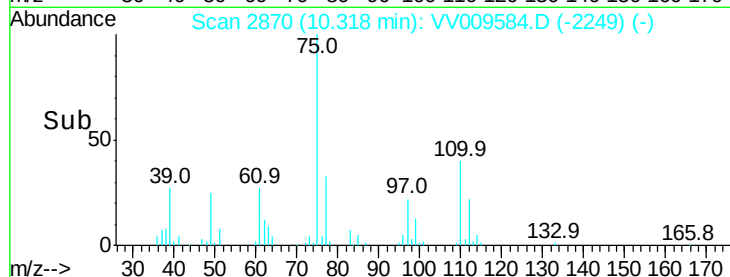


Abundance Ion 75.00 (74.70 to 75.70): VV009562.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV009562.D (-2859) (-)

10.32

Time-->



#62

Bromoform

Concen: 26.208 ug/L

RT: 9.77 min Scan# 2701

Delta R.T. -0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

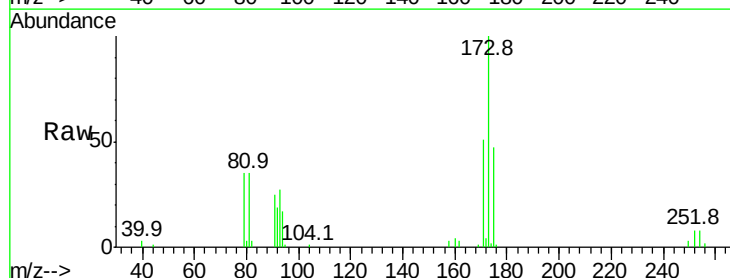
Tgt Ion: 173 Resp: 30682

Ion Ratio Lower Upper

173 100

175 49.6 38.8 58.2

254 7.3 5.8 8.8



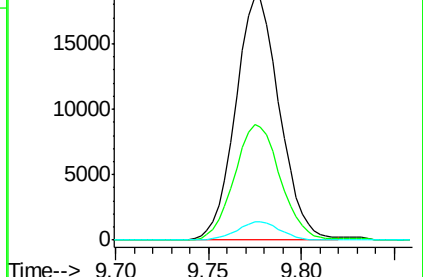
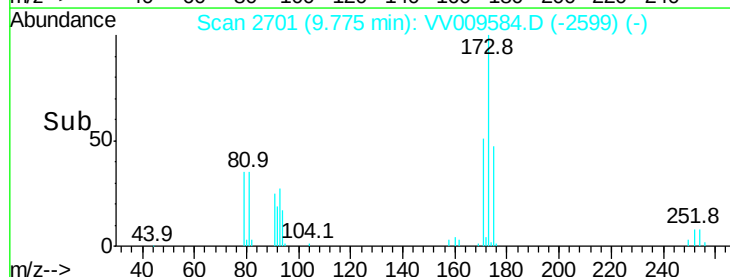
Abundance Ion 173.00 (172.70 to 173.70): VV009562.D (-2690) (-)

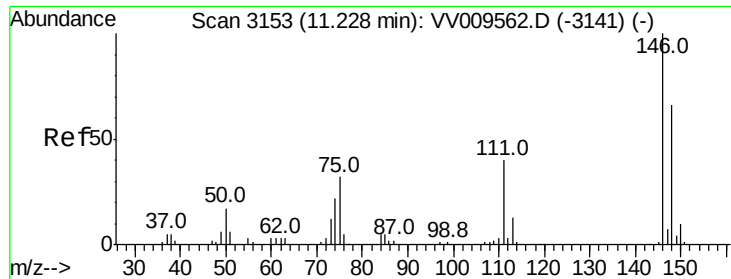
Ion 175.00 (174.70 to 175.70): VV009562.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV009562.D (-2690) (-)

9.77

Time-->

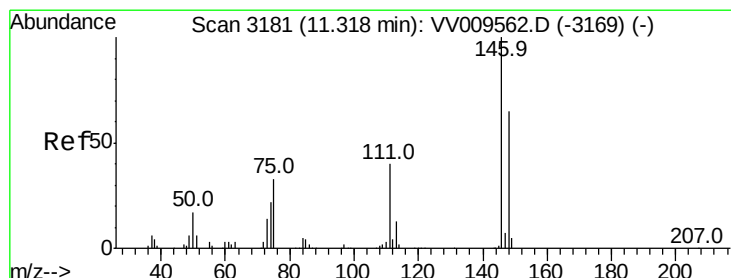
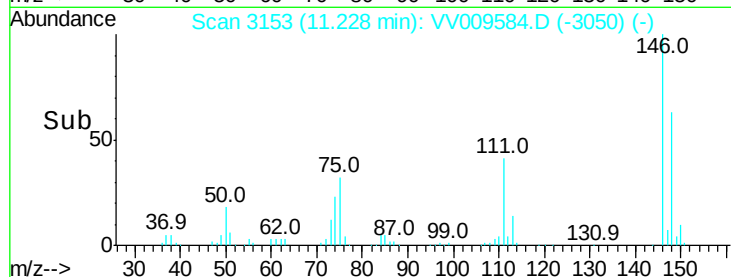
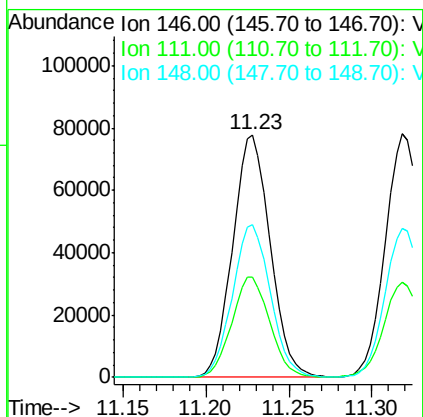
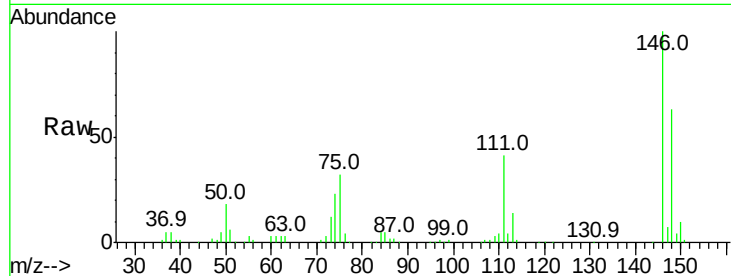




#63
 1,3-Dichlorobenzene
 Concen: 27.191 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

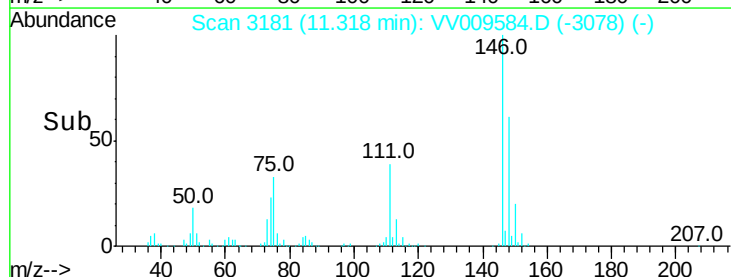
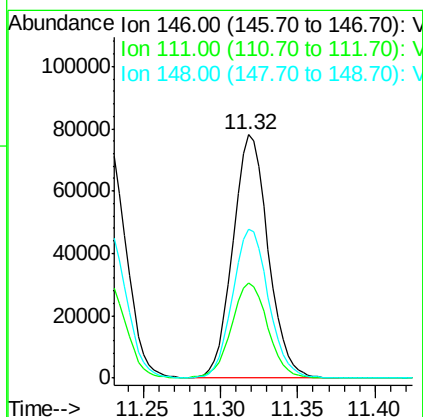
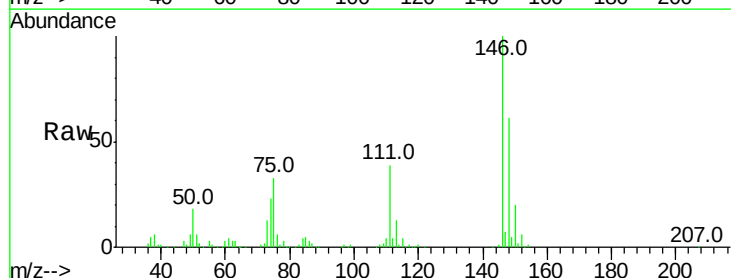
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

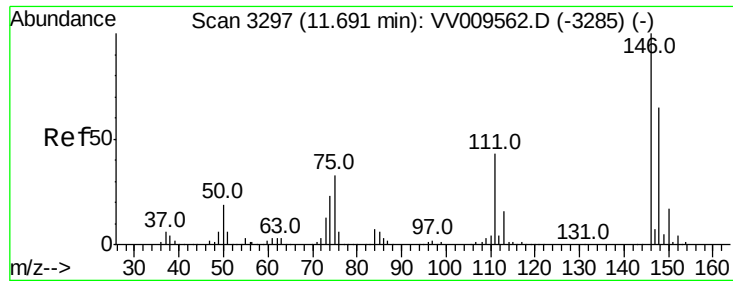
Tgt Ion:146 Resp: 122531
 Ion Ratio Lower Upper
 146 100
 111 41.1 29.6 55.0
 148 62.9 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 26.874 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

Tgt Ion:146 Resp: 123753
 Ion Ratio Lower Upper
 146 100
 111 39.0 29.2 54.2
 148 61.3 43.0 79.8

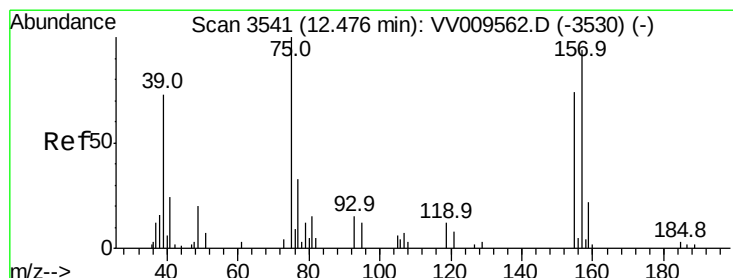
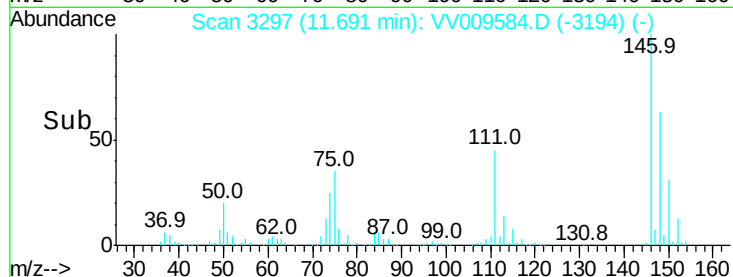
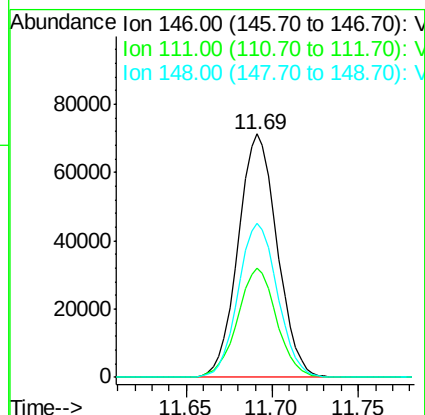
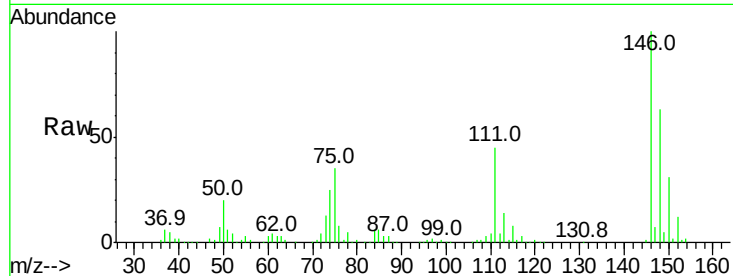




#65
 1,2-Dichlorobenzene
 Concen: 26.750 ug/L
 RT: 11.69 min Scan# 3297
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

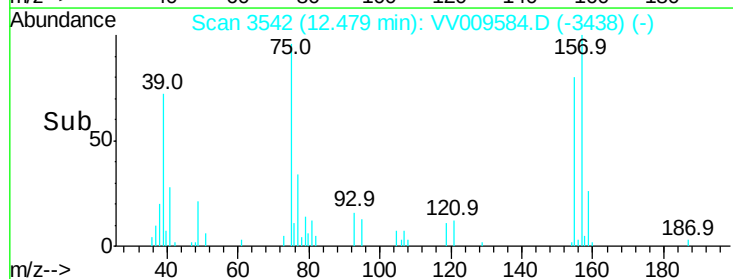
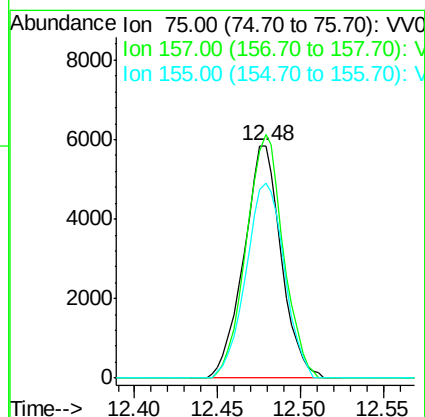
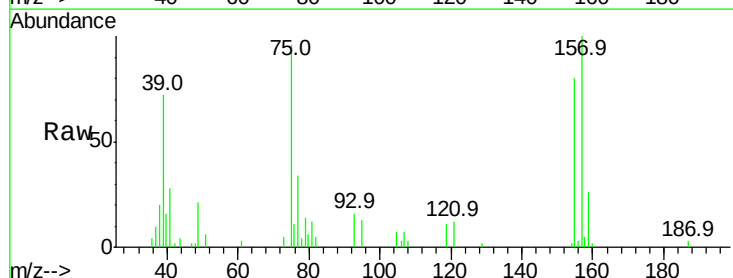
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

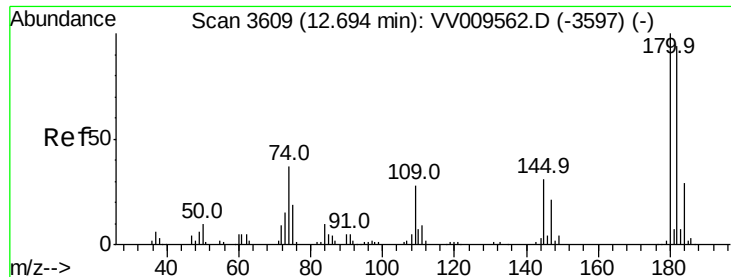
Tgt Ion: 146 Resp: 112418
 Ion Ratio Lower Upper
 146 100
 111 44.7 35.4 53.0
 148 63.4 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 21.738 ug/L
 RT: 12.48 min Scan# 3542
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

Tgt Ion: 75 Resp: 9150
 Ion Ratio Lower Upper
 75 100
 157 104.7 81.0 121.4
 155 83.8 61.2 91.8

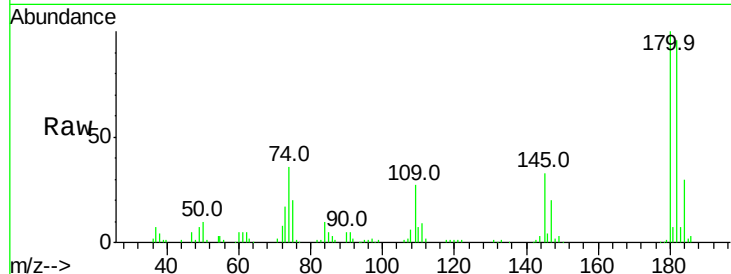




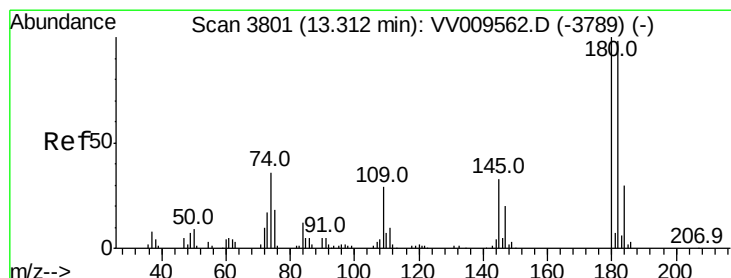
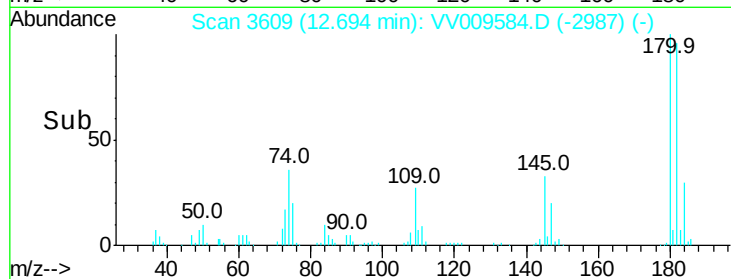
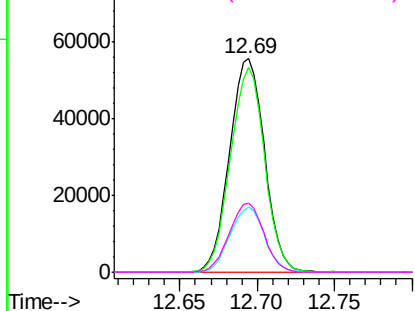
#67
 1,3,5-Trichlorobenzene
 Concen: 27.004 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02576

Tgt Ion:180 Resp: 87288
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.4 113.2
 184 30.0 23.9 35.9
 145 32.1 26.0 39.0

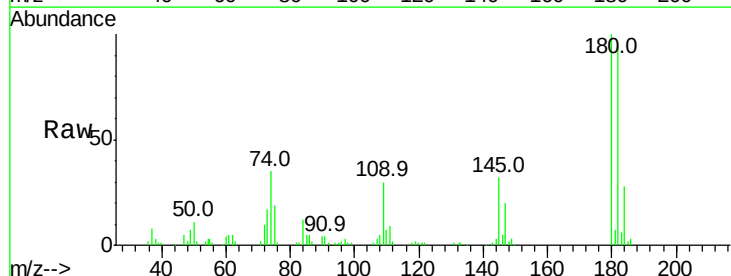


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

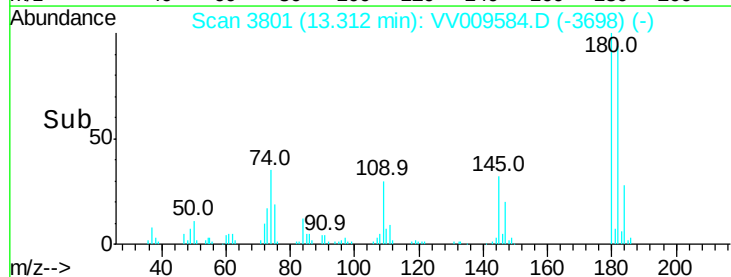
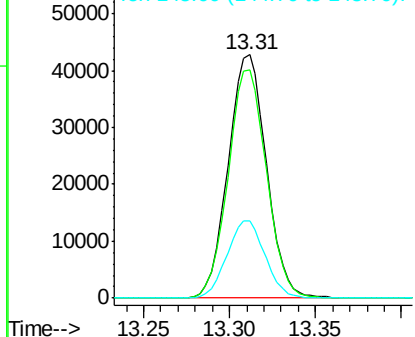


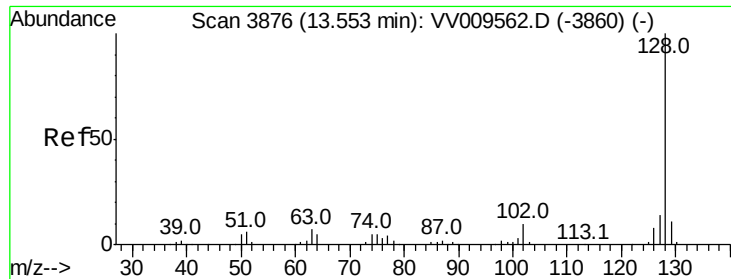
#68
 1,2,4-trichlorobenzene
 Concen: 25.678 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009584.D
 Acq: 11 Mar 2019 09:24

Tgt Ion:180 Resp: 66453
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.9 113.9
 145 31.7 26.2 39.4



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: 22.204 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

Instrument :

MSVOA_V

ClientSampleId :

VSTD02576

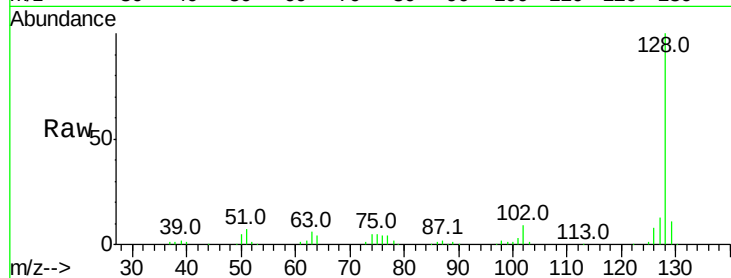
Tgt Ion:128 Resp: 121034

Ion Ratio Lower Upper

128 100

129 10.7 8.8 13.2

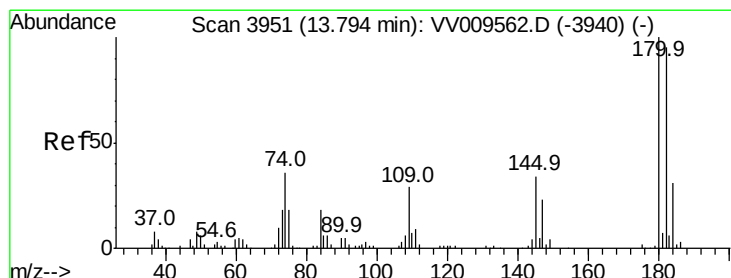
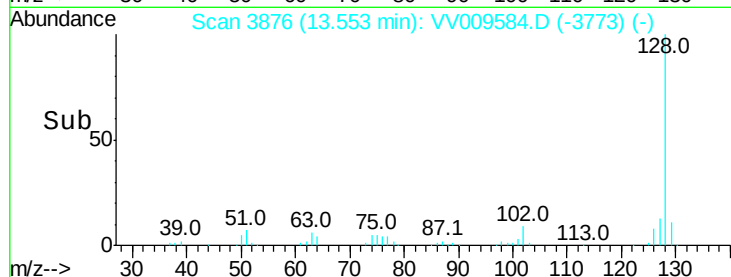
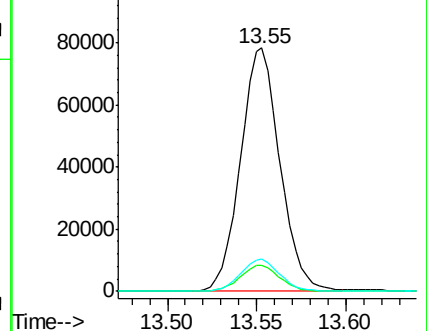
127 13.1 10.6 16.0



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: 25.967 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009584.D

Acq: 11 Mar 2019 09:24

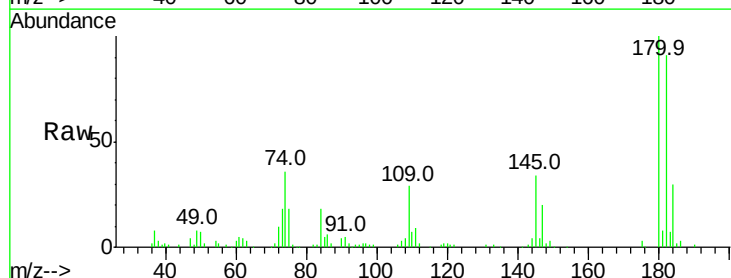
Tgt Ion:180 Resp: 61823

Ion Ratio Lower Upper

180 100

182 91.6 74.2 111.2

145 34.5 27.7 41.5



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

