

Data File : VV009488.D
Acq On : 05 Mar 2019 13:28
Operator : SY/MD
Sample : VSTDICV025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Quant Time: Mar 06 04:05:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM030519S.M
Quant Title : VOC Analysis
QLast Update : Wed Mar 06 03:58:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	182983	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	172074	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84637	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	59896	27.19	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	108.76%
7) Chloroethane-d5	1.58	69	96673	30.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	121.40%
10) 1,1-Dichloroethene-d2	2.13	63	150672	26.29	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	105.16%
20) 2-Butanone-d5	3.94	46	29215	38.92	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	77.84%
24) Chloroform-d	4.40	84	113788	26.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	104.40%
26) 1,2-Dichloroethane-d4	5.08	65	63308	25.53	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	102.12%
29) Benzene-d6	5.10	84	231659	27.18	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.72%
33) 1,2-Dichloropropane-d6	6.12	67	67359	26.78	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	107.12%
37) Toluene-d8	7.36	98	227963	27.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	109.76%
38) trans-1,3-Dichloropropene-	7.66	79	31753	26.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	104.20%
39) 2-Hexanone-d5	8.14	63	22943	39.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	78.18%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	60117	22.43	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.72%
61) 1,2-Dichlorobenzene-d4	11.67	152	78687	25.47	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	101.88%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	58022	27.539 ug/L	97
3) Chloromethane	1.25	50	60557	26.969 ug/L	100
5) Vinyl chloride	1.32	62	69078	27.904 ug/L	98
6) Bromomethane	1.53	94	78312	25.411 ug/L	97
8) Chloroethane	1.60	64	79220	28.798 ug/L	97
9) Trichlorofluoromethane	1.76	101	140354	27.639 ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	76910	27.048 ug/L	97
12) 1,1-Dichloroethene	2.14	96	65637	26.980 ug/L	88
13) Acetone	2.20	43	32754	42.920 ug/L	96
14) Carbon disulfide	2.31	76	175822	28.513 ug/L	100
15) Methyl Acetate	2.46	43	23651	19.138 ug/L	96
16) Methylene chloride	2.53	84	60860	25.343 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	138984	25.512 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	60444	27.660 ug/L	97
19) 1,1-Dichloroethane	3.23	63	106949	27.776 ug/L	97
21) 2-Butanone	4.03	43	37005	38.421 ug/L	96
22) cis-1,2-Dichloroethene	3.96	96	69111	28.015 ug/L	97

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Quant Title : VOC Analysis
QLast Update : Wed Mar 06 03:58:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	29229	25.695	ug/L	95
25) Chloroform	4.42	83	120354	28.009	ug/L	99
27) 1,2-Dichloroethane	5.18	62	76992	25.799	ug/L	98
30) Cyclohexane	4.72	56	101644	27.833	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	107699	27.998	ug/L	99
32) Carbon tetrachloride	4.87	117	91207	28.046	ug/L	100
34) Benzene	5.14	78	246325	27.704	ug/L	100
35) Trichloroethene	5.96	95	70283	27.505	ug/L	98
36) Methylcyclohexane	6.17	83	118917	28.568	ug/L	97
40) 1,2-Dichloropropane	6.22	63	59973	26.160	ug/L	99
41) Bromodichloromethane	6.55	83	85506	27.632	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	94523	26.558	ug/L	98
43) 4-Methyl-2-pentanone	7.28	43	74162	41.037	ug/L	100
44) Toluene	7.43	91	283769	28.235	ug/L	99
45) trans-1,3-Dichloropropene	7.69	75	84964	27.334	ug/L	98
46) 1,1,2-Trichloroethane	7.88	97	49496	25.987	ug/L	95
47) Tetrachloroethene	8.02	164	55417	28.593	ug/L	94
49) 2-Hexanone	8.19	43	58198	42.587	ug/L	97
50) Dibromochloromethane	8.29	129	60922	26.420	ug/L	100
51) 1,2-Dibromoethane	8.40	107	48870	24.834	ug/L	98
52) Chlorobenzene	8.92	112	183270	27.511	ug/L	98
53) Ethylbenzene	9.05	91	319359	27.768	ug/L	97
54) m,p-Xylene	9.18	106	123458	28.362	ug/L	97
55) o-xylene	9.59	106	117163	27.913	ug/L	87
56) Styrene	9.60	104	196700	28.485	ug/L	99
57) Isopropylbenzene	9.97	105	325515	28.117	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	63327	23.547	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	44286	22.843	ug/L	99
62) Bromoform	9.77	173	33092	24.094	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	144611	27.353	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	140308	25.972	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	132427	26.860	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	10623	21.512	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	104388	27.527	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	81911	26.979	ug/L	99
69) Naphthalene	13.55	128	155161	24.263	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	74337	26.614	ug/L	99

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

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Instrument :
MSVOA_V
ClientSampleId :
VICV65

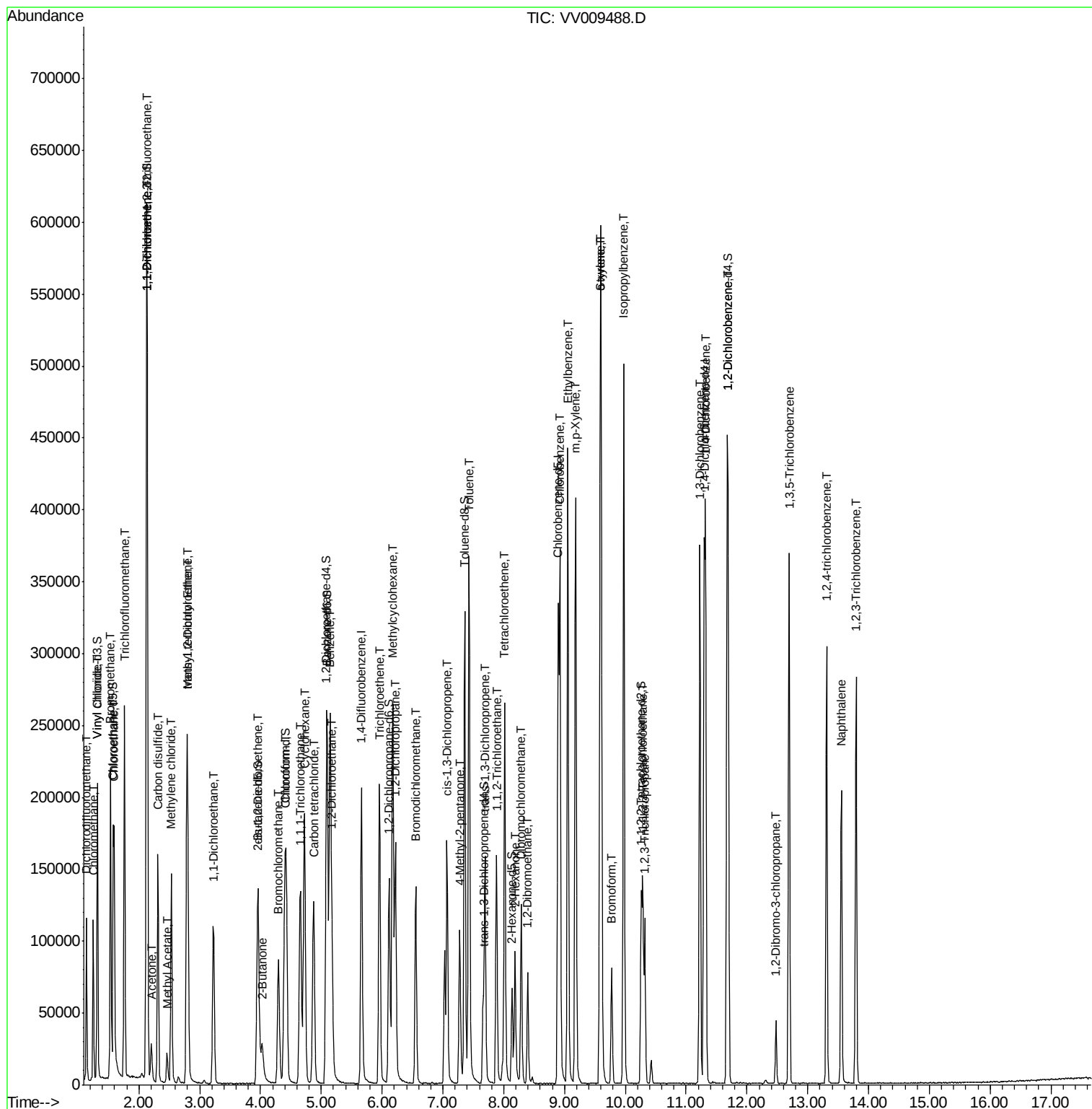
Quant Time: Mar 06 04:05:44 2019

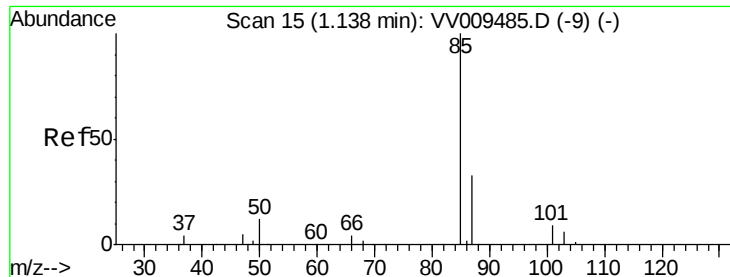
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0M2VLM030519S.M

Quant Title : VOC Analysis

QLast Update : Wed Mar 06 03:58:46 2019

Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 27.539 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampleId :

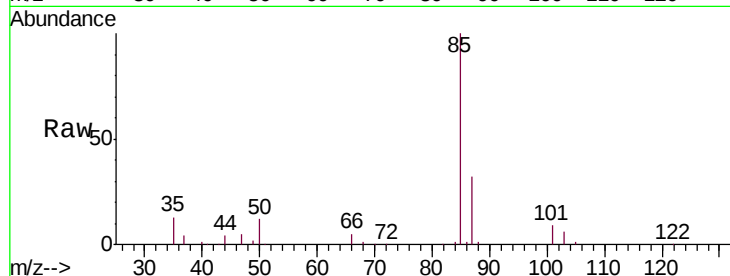
VICV65

Tgt Ion: 85 Resp: 58022

Ion Ratio Lower Upper

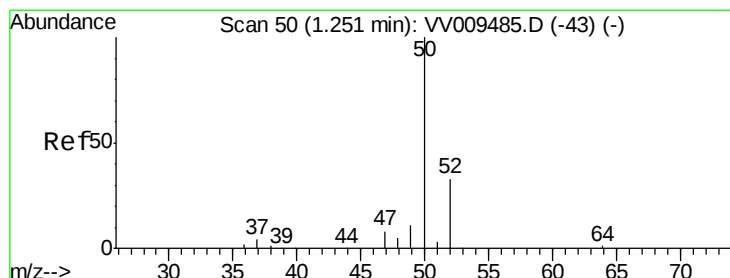
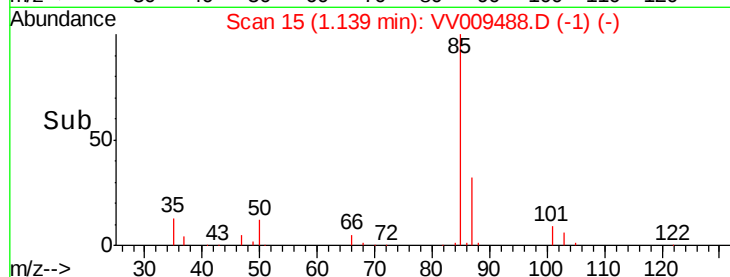
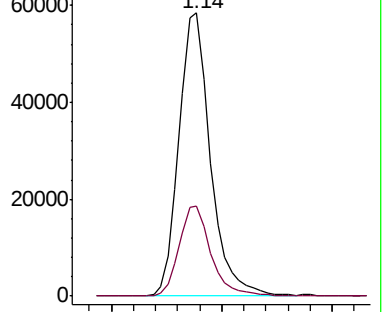
85 100

87 31.7 23.4 43.4



Abundance Ion 85.00 (84.70 to 85.70): VV009485.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009485.D (-9) (-)



#3

Chloromethane

Concen: 26.969 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV009488.D

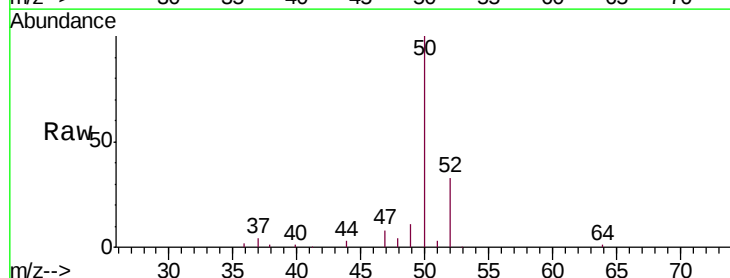
Acq: 05 Mar 2019 13:28

Tgt Ion: 50 Resp: 60557

Ion Ratio Lower Upper

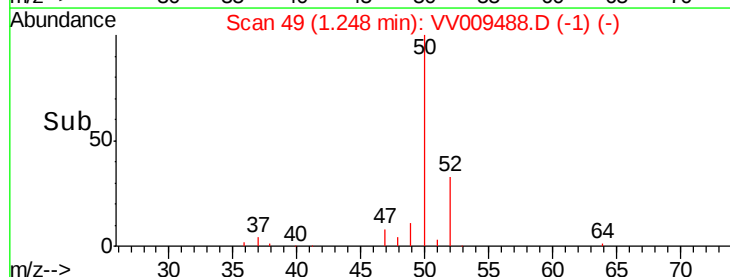
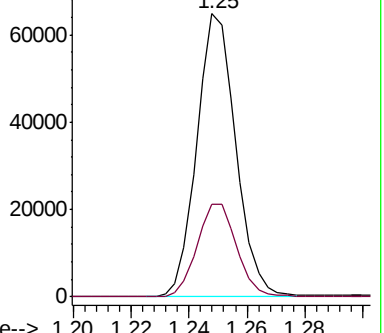
50 100

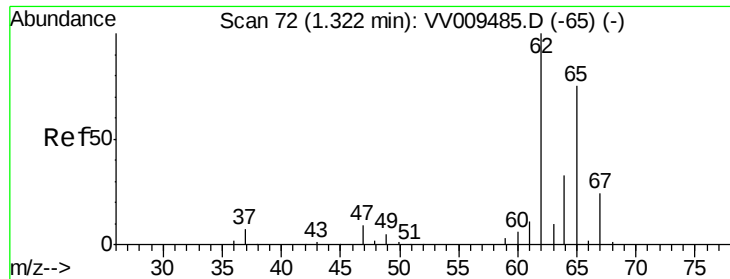
52 33.0 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV009485.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009485.D (-43) (-)





#5

Vinyl chloride

Concen: 27.904 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampleId :

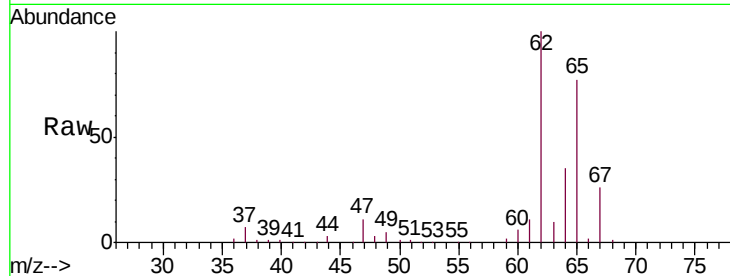
VICV65

Tgt Ion: 62 Resp: 69078

Ion Ratio Lower Upper

62 100

64 35.0 23.5 43.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

60000

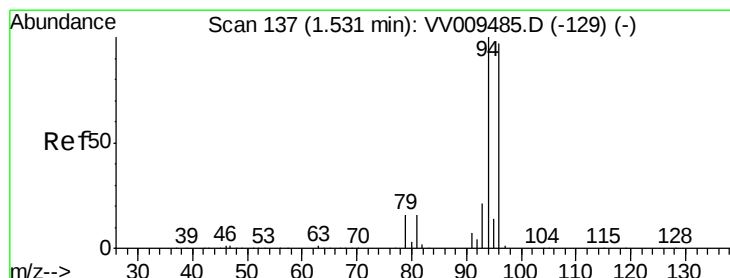
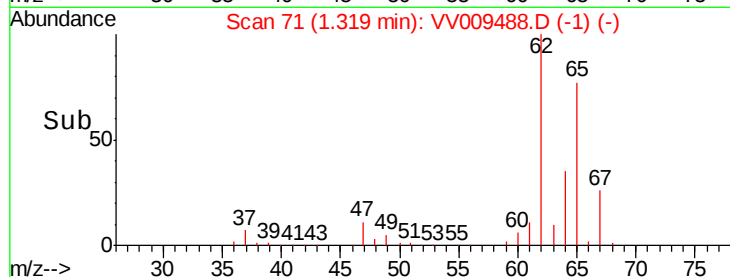
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 25.411 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV009488.D

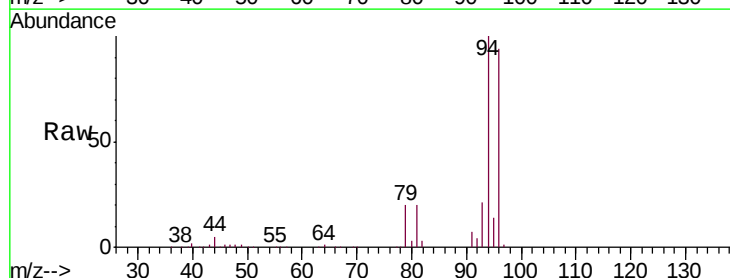
Acq: 05 Mar 2019 13:28

Tgt Ion: 94 Resp: 78312

Ion Ratio Lower Upper

94 100

96 92.8 9.5 181.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

80000

60000

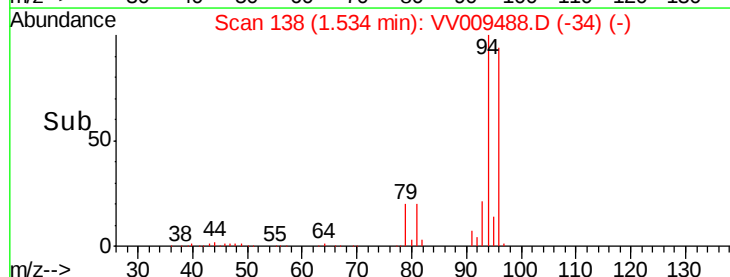
40000

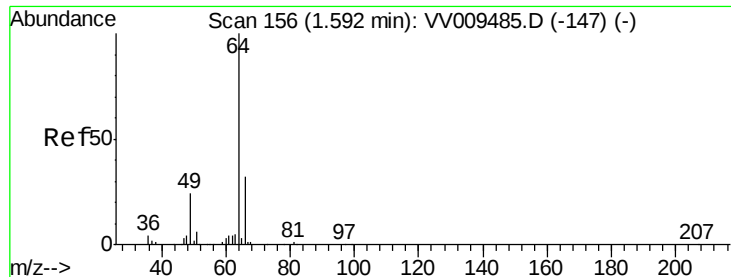
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 28.798 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampleId :

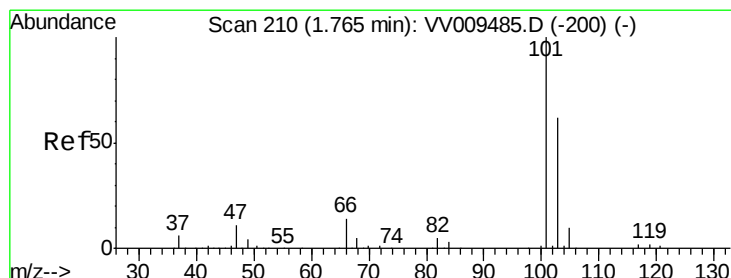
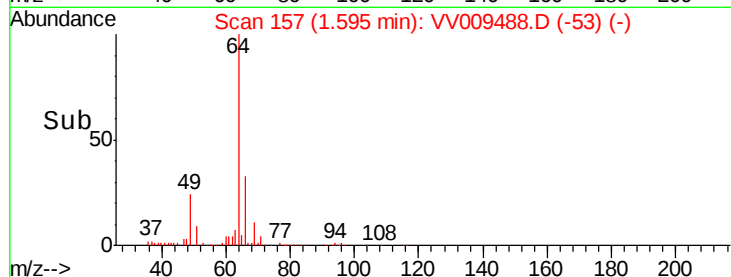
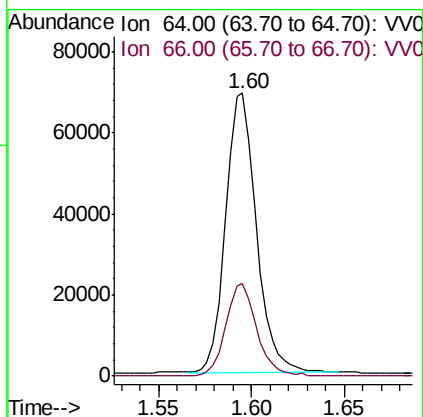
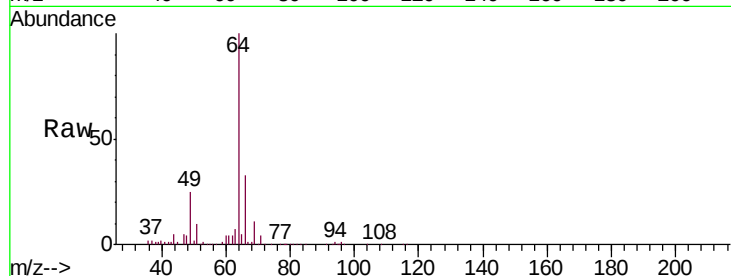
VICV65

Tgt Ion: 64 Resp: 79220

Ion Ratio Lower Upper

64 100

66 32.7 21.8 40.6



#9

Trichlorofluoromethane

Concen: 27.639 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009488.D

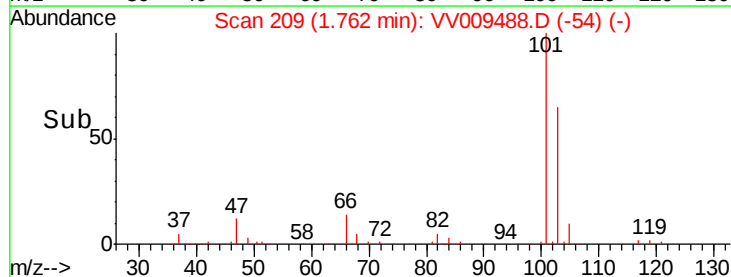
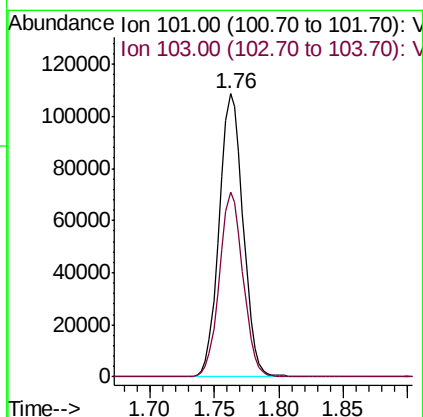
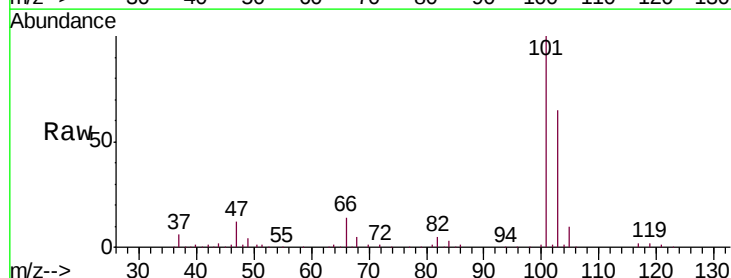
Acq: 05 Mar 2019 13:28

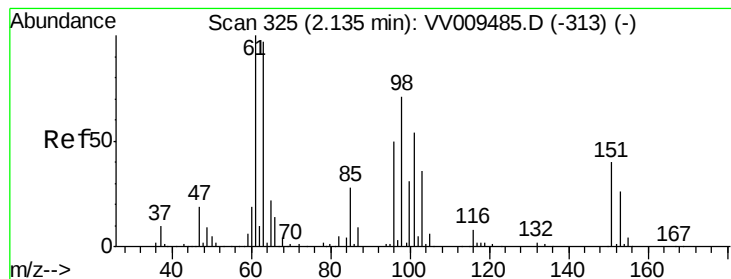
Tgt Ion: 101 Resp: 140354

Ion Ratio Lower Upper

101 100

103 64.2 44.7 83.1





#11

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

Concen: 27.048 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampled :

VICV65

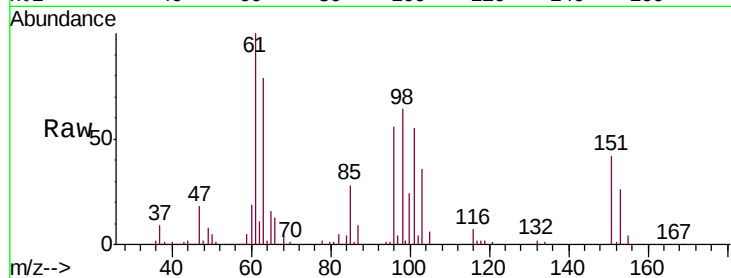
Tgt Ion: 101 Resp: 76910

Ion Ratio Lower Upper

101 100

85 49.6 40.1 60.1

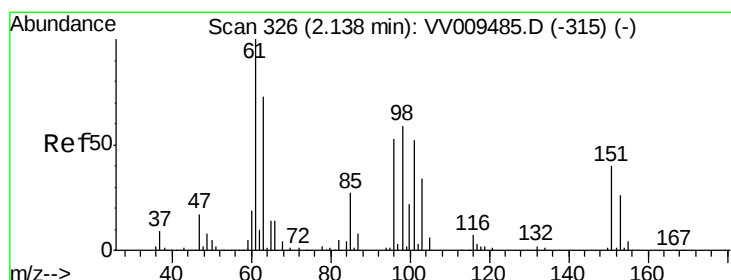
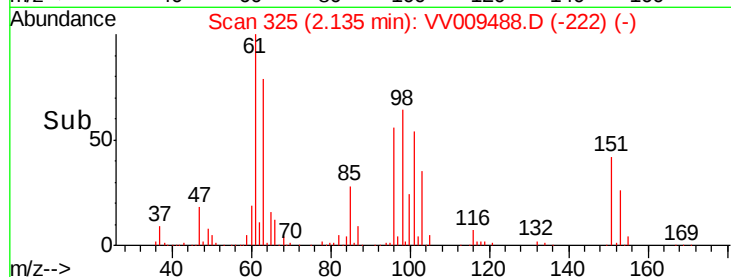
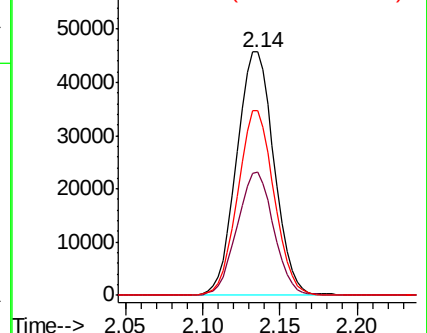
151 73.6 55.9 83.9



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: 26.980 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

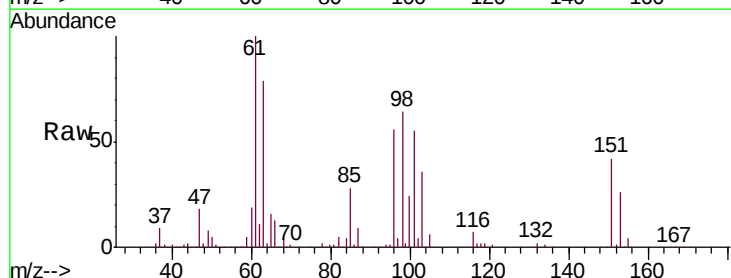
Tgt Ion: 96 Resp: 65637

Ion Ratio Lower Upper

96 100

61 178.3 136.9 254.3

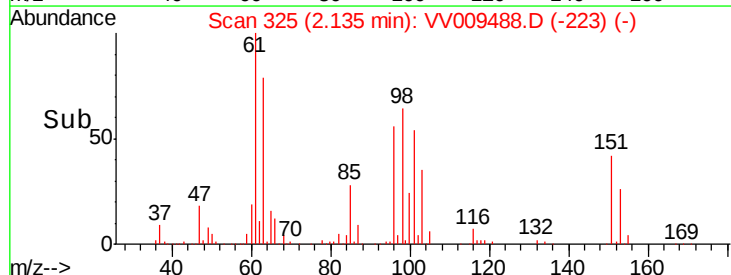
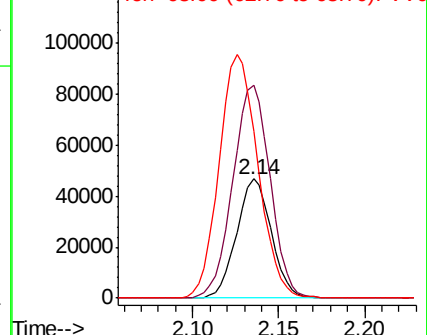
63 140.1 108.7 201.9

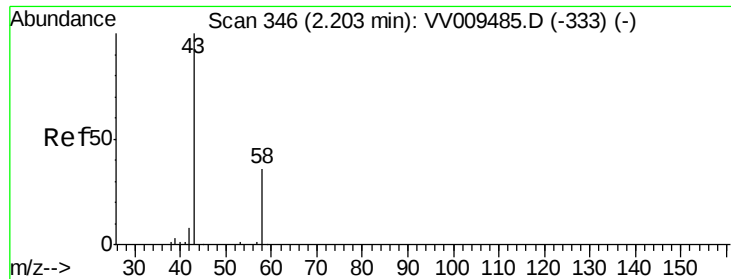


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 42.920 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampleId :

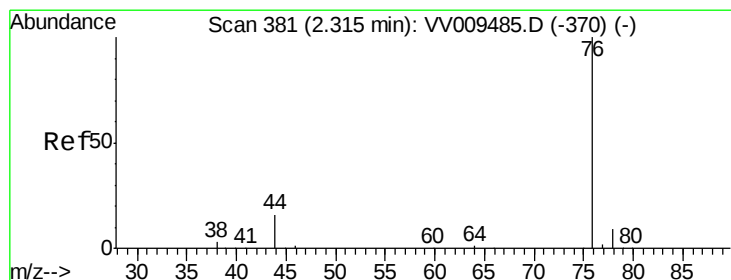
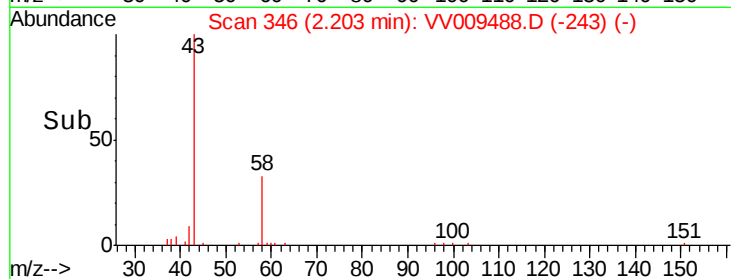
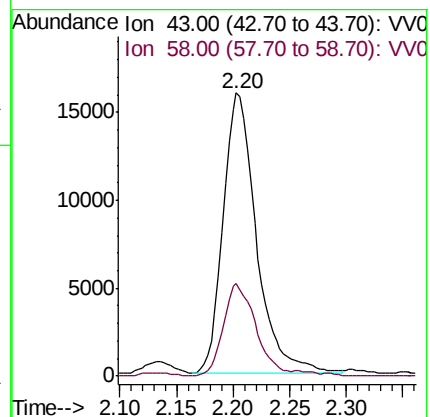
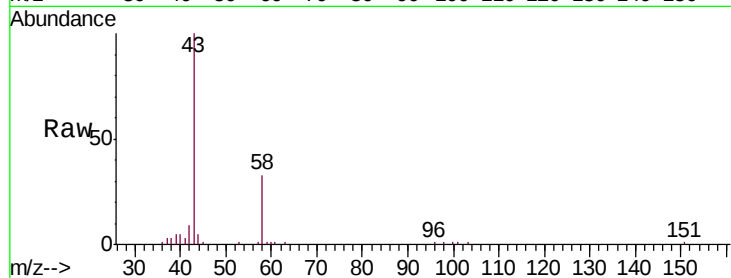
VICV65

Tgt Ion: 43 Resp: 32754

Ion Ratio Lower Upper

43 100

58 32.3 0.0 68.8



#14

Carbon disulfide

Concen: 28.513 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV009488.D

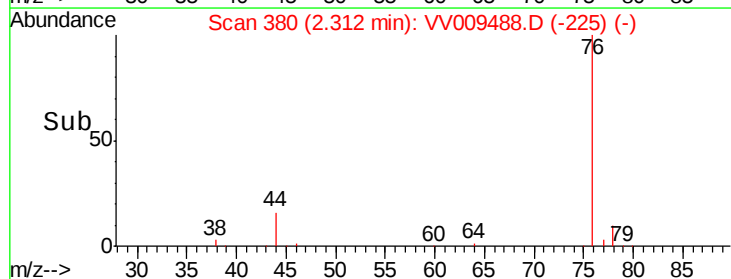
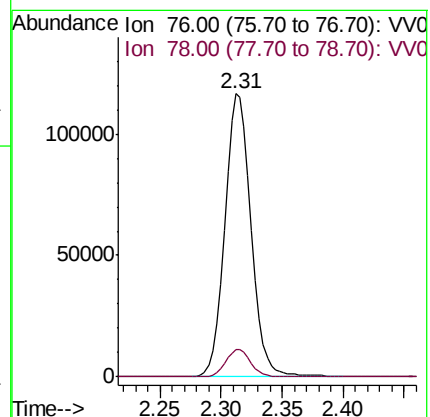
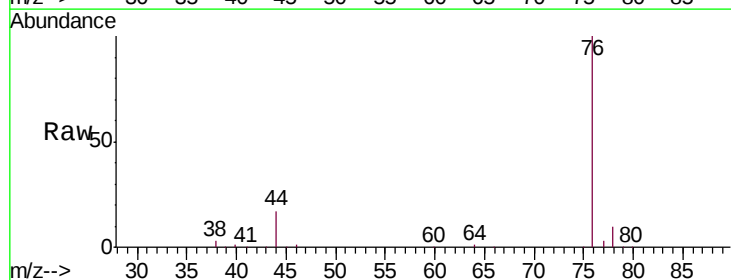
Acq: 05 Mar 2019 13:28

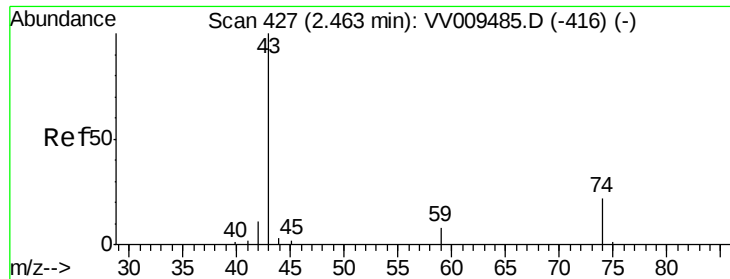
Tgt Ion: 76 Resp: 175822

Ion Ratio Lower Upper

76 100

78 9.5 7.5 11.3





#15

Methyl Acetate

Concen: 19.138 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampleId :

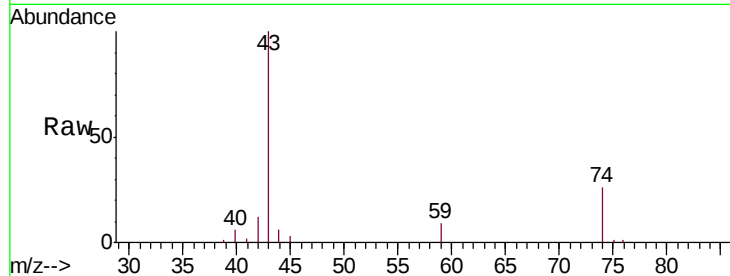
VICV65

Tgt Ion: 43 Resp: 23651

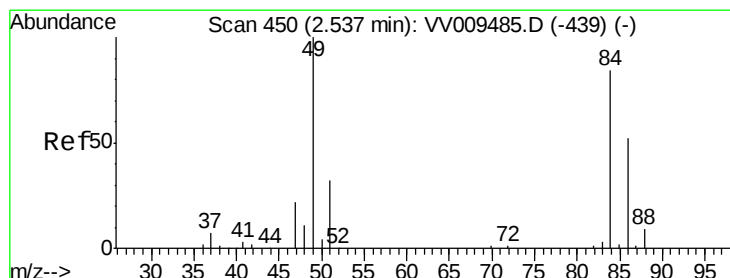
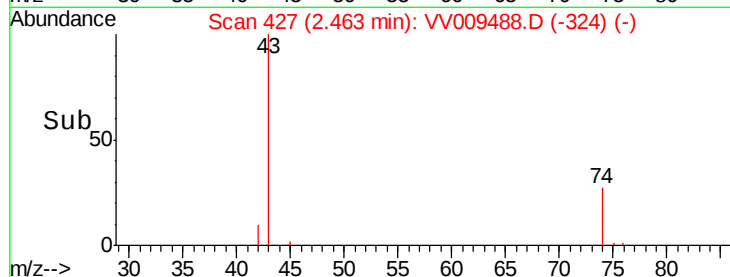
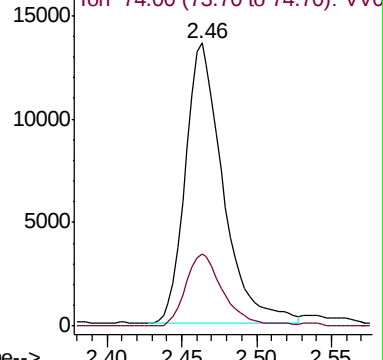
Ion Ratio Lower Upper

43 100

74 25.2 21.8 32.8



Abundance Ion 43.00 (42.70 to 43.70): VV009488.D (-324) (-)



#16

Methylene chloride

Concen: 25.343 ug/L

RT: 2.53 min Scan# 449

Delta R.T. -0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

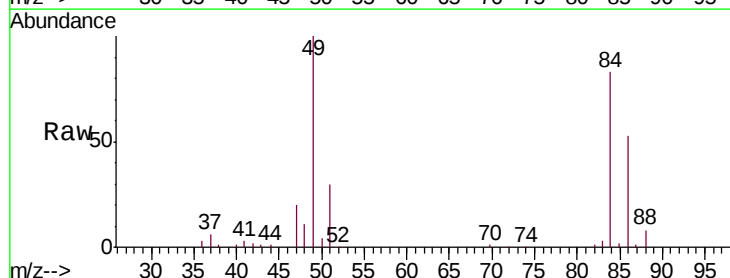
Tgt Ion: 84 Resp: 60860

Ion Ratio Lower Upper

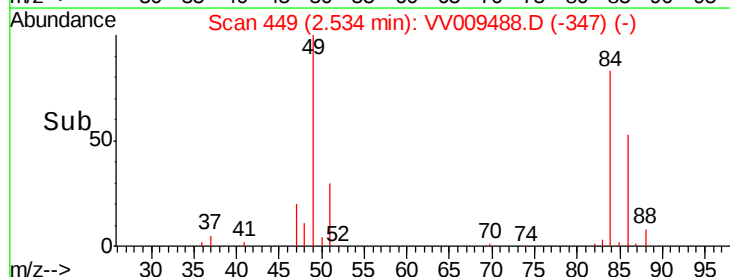
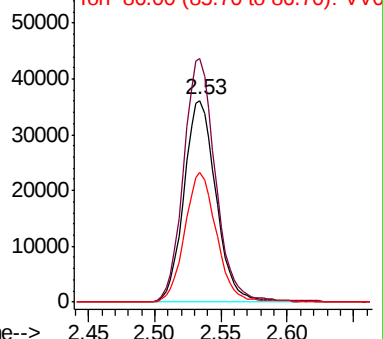
84 100

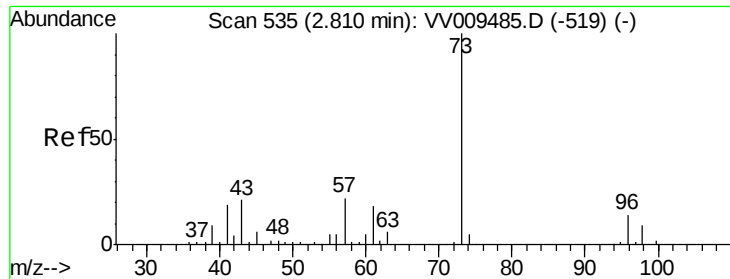
49 120.7 84.6 157.0

86 64.3 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009488.D (-347) (-)

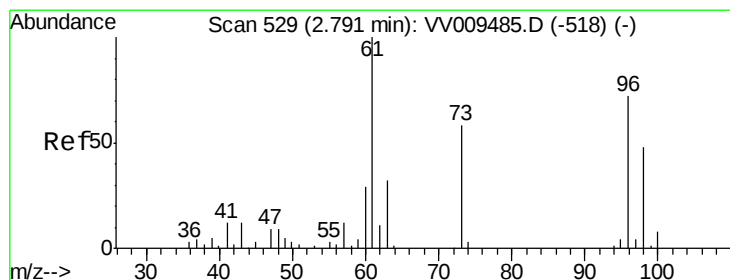
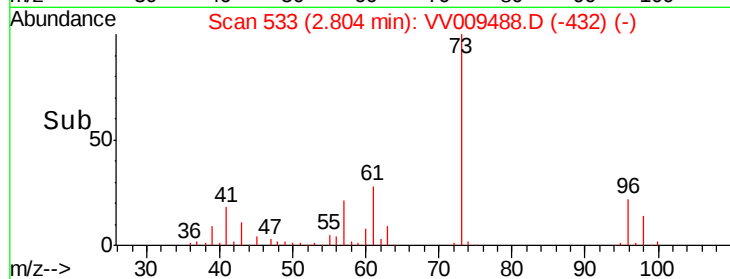
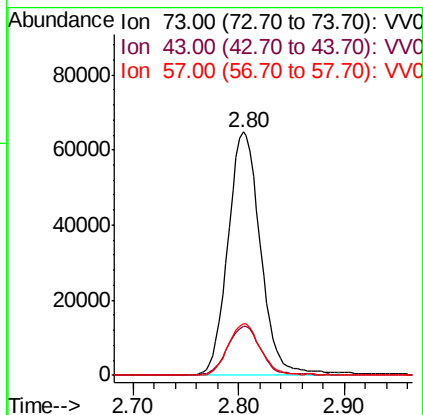
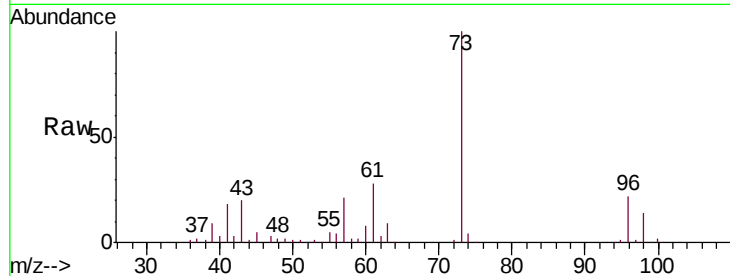




#17
Methyl tert-butyl Ether
Concen: 25.512 ug/L
RT: 2.80 min Scan# 533
Delta R.T. -0.01 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

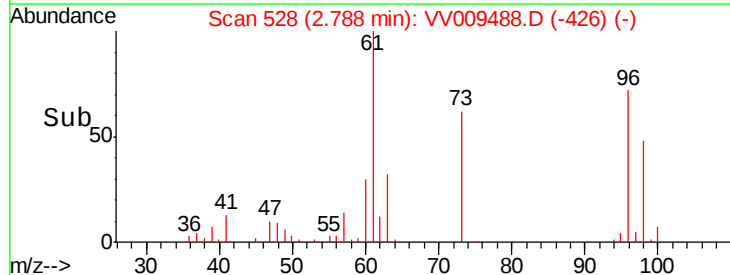
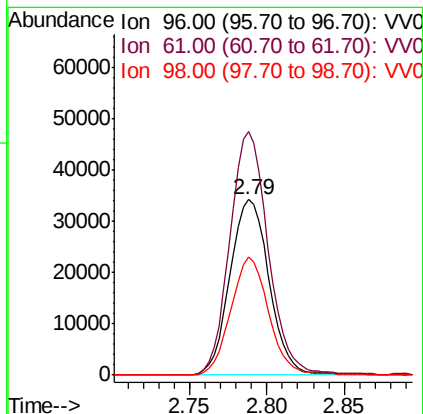
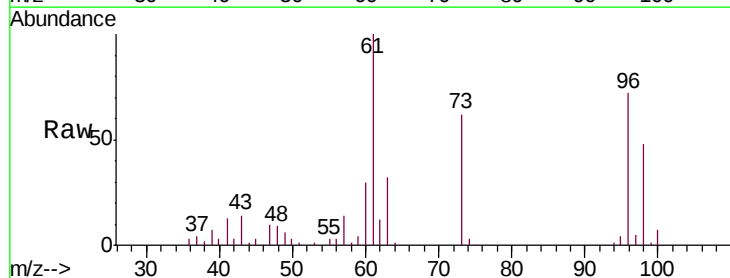
Instrument :
MSVOA_V
ClientSampleId :
VICV65

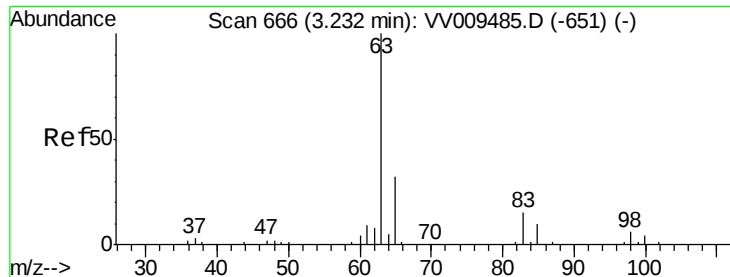
Tgt Ion: 73 Resp: 138984
Ion Ratio Lower Upper
73 100
43 20.7 15.0 22.4
57 21.0 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 27.660 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Tgt Ion: 96 Resp: 60444
Ion Ratio Lower Upper
96 100
61 138.6 95.6 177.6
98 67.0 44.0 81.6

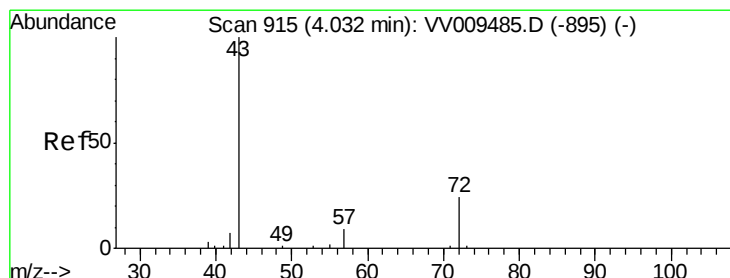
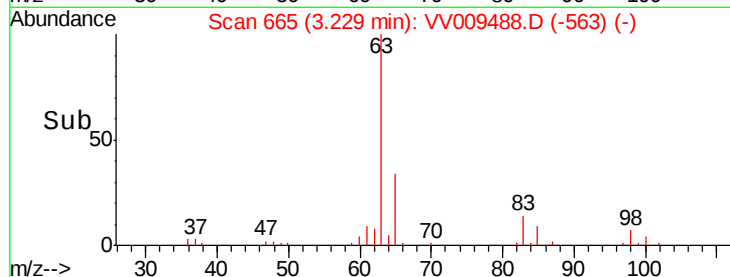
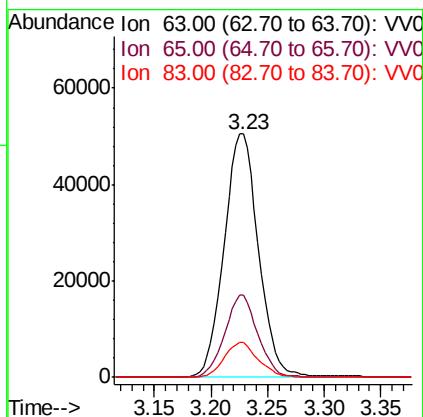
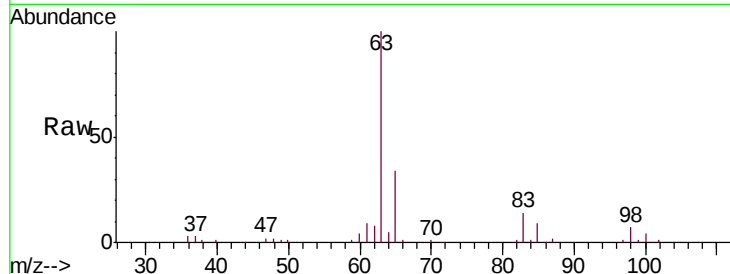




#19
 1,1-Dichloroethane
 Concen: 27.776 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

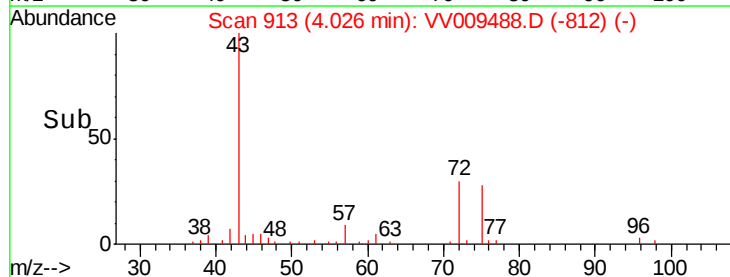
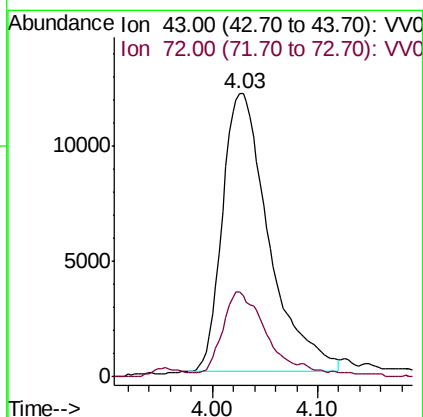
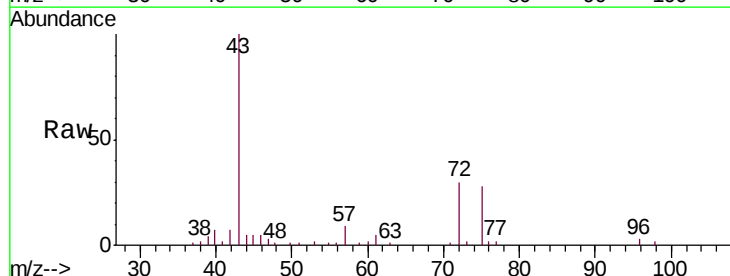
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

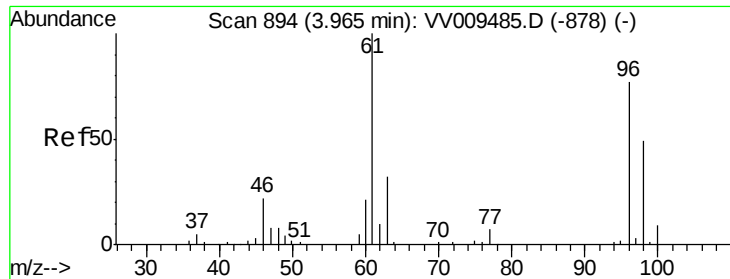
Tgt Ion: 63 Resp: 106949
 Ion Ratio Lower Upper
 63 100
 65 33.6 22.1 41.1
 83 14.4 10.2 19.0



#21
 2-Butanone
 Concen: 38.421 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.01 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Tgt Ion: 43 Resp: 37005
 Ion Ratio Lower Upper
 43 100
 72 25.4 13.7 41.0



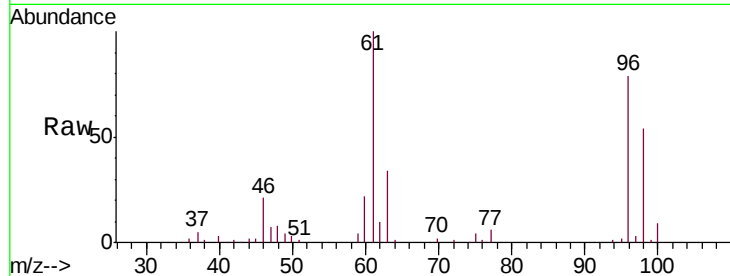


#22

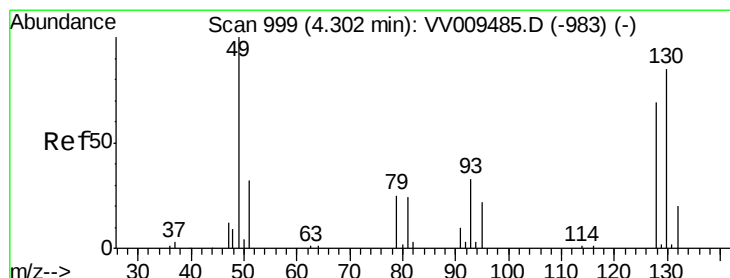
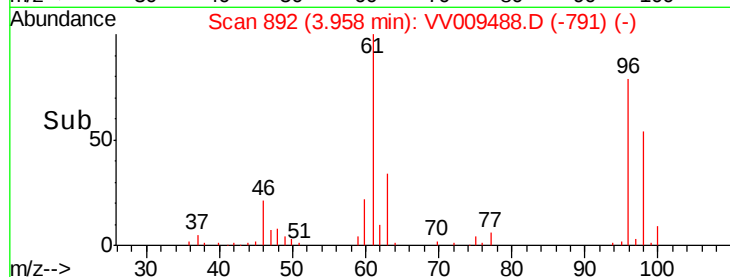
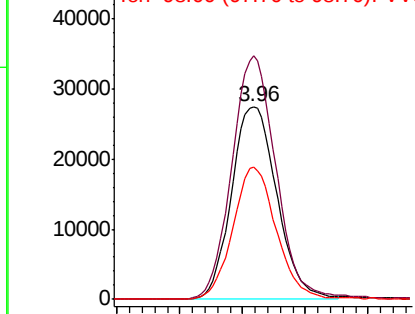
cis-1,2-Dichloroethene
 Concen: 28.015 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tgt Ion: 96 Resp: 69111
 Ion Ratio Lower Upper
 96 100
 61 126.4 87.2 161.9
 98 68.6 44.6 82.8



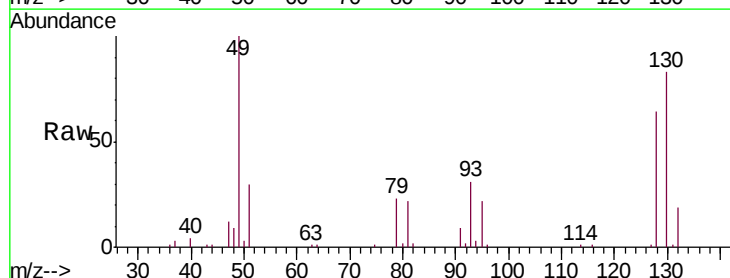
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0



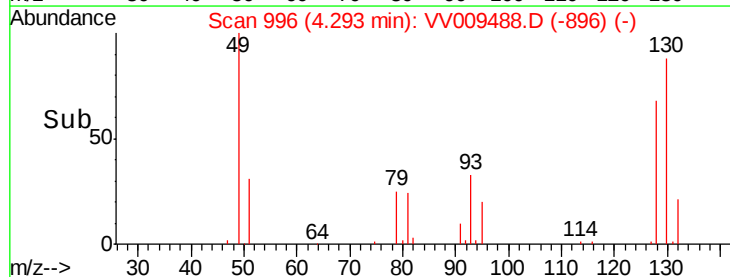
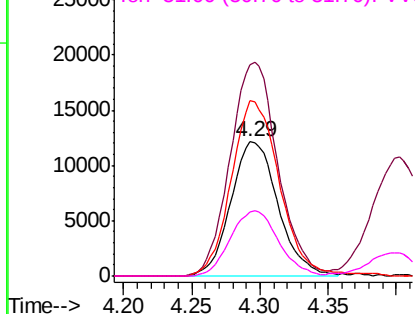
#23

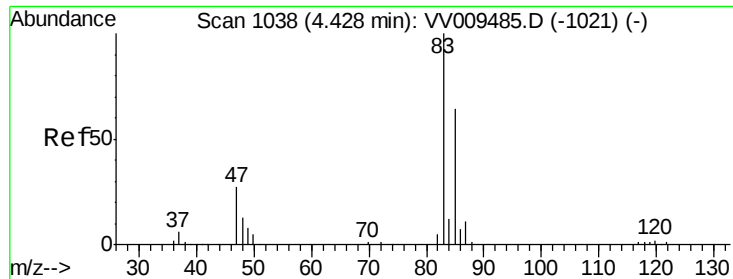
Bromochloromethane
 Concen: 25.695 ug/L
 RT: 4.29 min Scan# 996
 Delta R.T. -0.01 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Tgt Ion: 128 Resp: 29229
 Ion Ratio Lower Upper
 128 100
 49 157.3 115.5 214.5
 130 130.4 92.6 172.0
 51 47.9 43.4 65.2



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 49.00 (48.70 to 49.70): VV0
 Ion 130.00 (129.70 to 130.70): V
 Ion 51.00 (50.70 to 51.70): VV0

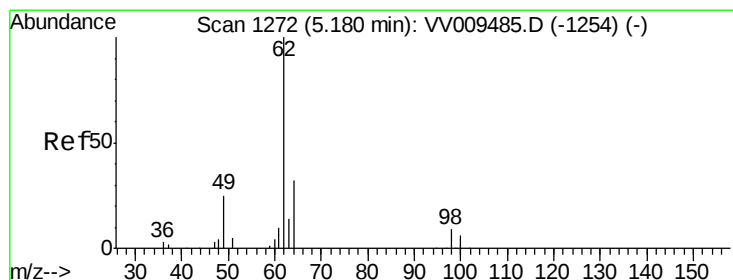
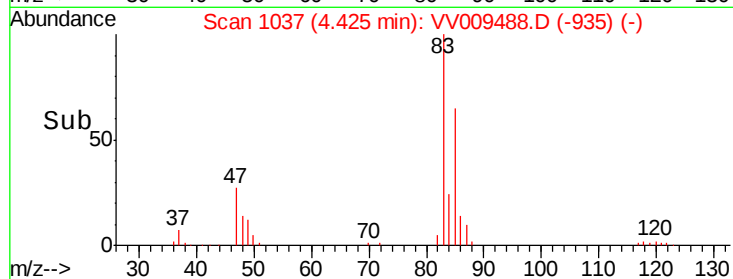
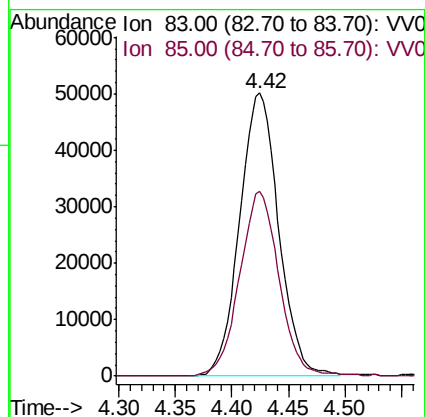
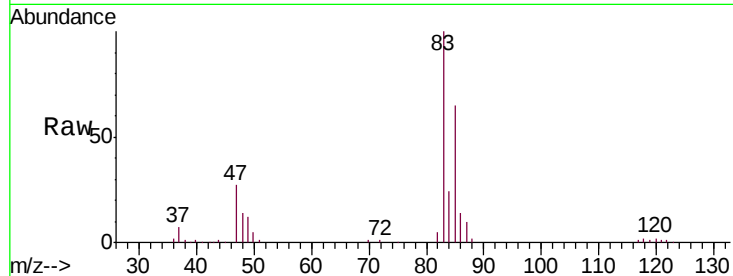




#25
Chloroform
Concen: 28.009 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. -0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

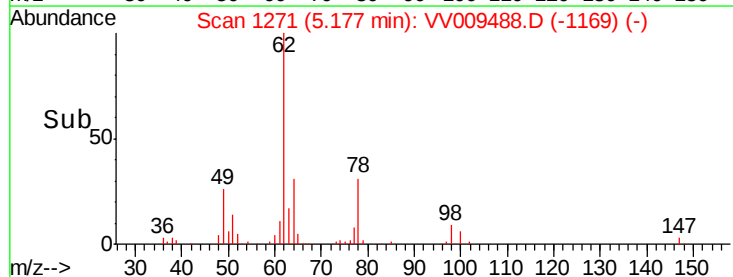
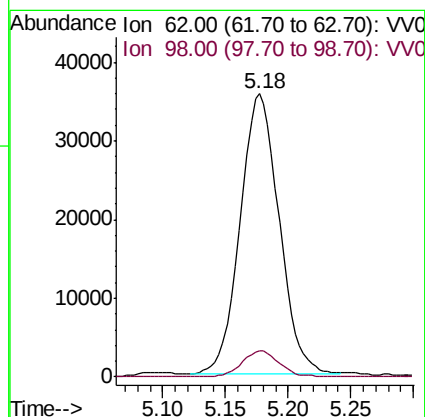
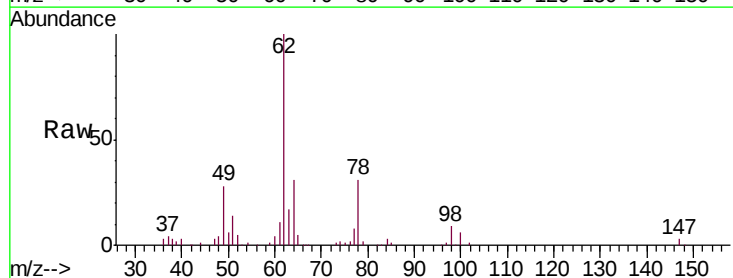
Instrument :
MSVOA_V
ClientSampled :
VICV65

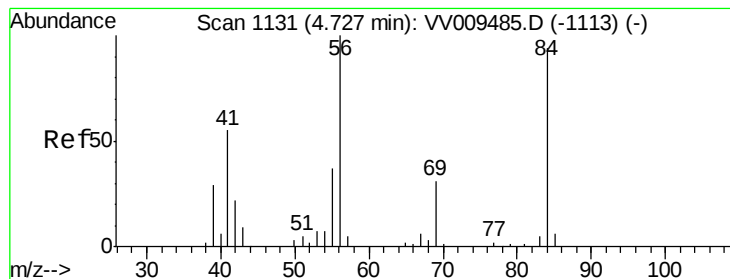
Tgt Ion: 83 Resp: 120354
Ion Ratio Lower Upper
83 100
85 65.8 45.4 84.2



#27
1,2-Dichloroethane
Concen: 25.799 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. -0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Tgt Ion: 62 Resp: 76992
Ion Ratio Lower Upper
62 100
98 9.1 6.6 10.0





#30

Cyclohexane

Concen: 27.833 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.01 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampled :

VICV65

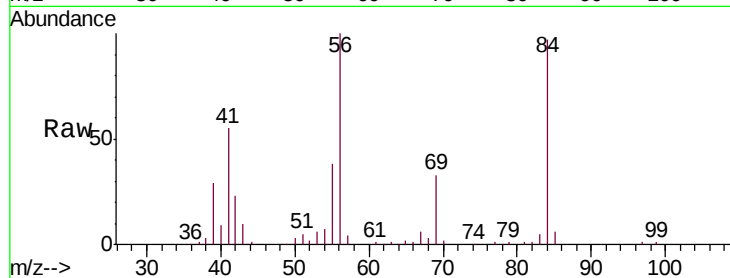
Tgt Ion: 56 Resp: 101644

Ion Ratio Lower Upper

56 100

69 32.5 24.9 37.3

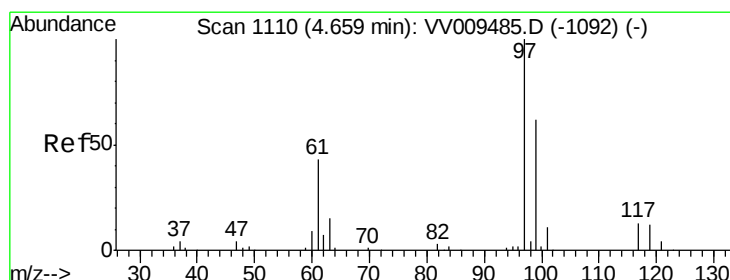
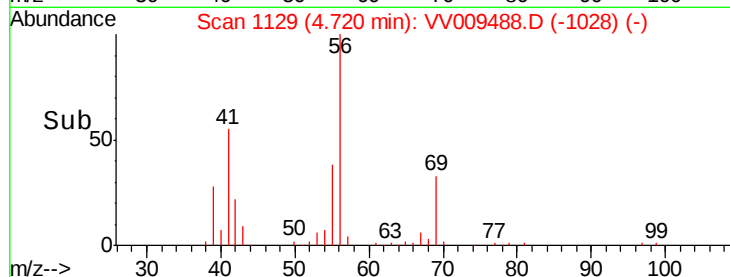
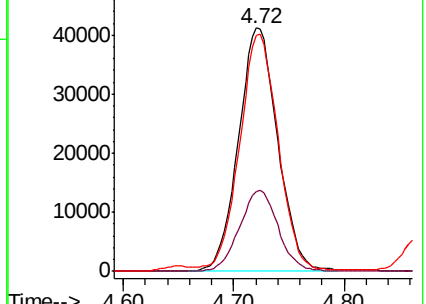
84 95.3 71.9 107.9



Abundance Ion 56.00 (55.70 to 56.70): VV009488.D (-1028) (-)

Ion 69.00 (68.70 to 69.70): VV009488.D (-1028) (-)

Ion 84.00 (83.70 to 84.70): VV009488.D (-1028) (-)



#31

1,1,1-Trichloroethane

Concen: 27.998 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. -0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

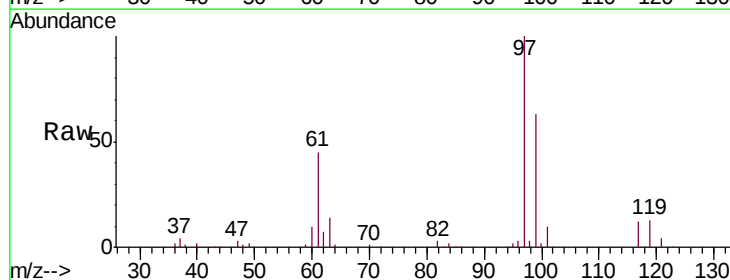
Tgt Ion: 97 Resp: 107699

Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.4

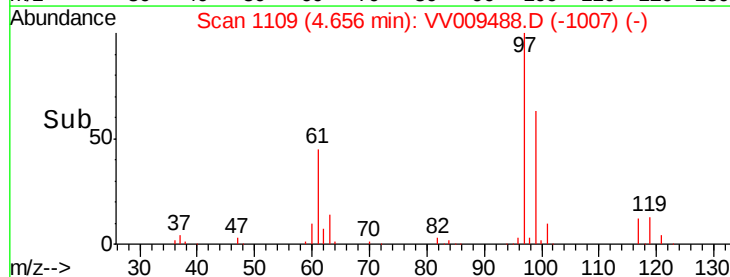
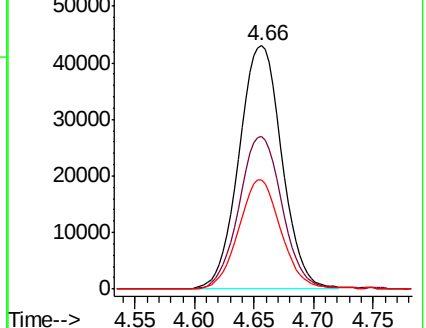
61 44.3 36.1 54.1

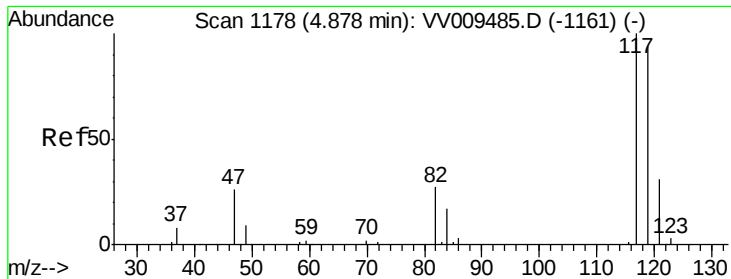


Abundance Ion 97.00 (96.70 to 97.70): VV009488.D (-1007) (-)

Ion 99.00 (98.70 to 99.70): VV009488.D (-1007) (-)

Ion 61.00 (60.70 to 61.70): VV009488.D (-1007) (-)





#32

Carbon tetrachloride

Concen: 28.046 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampleId :

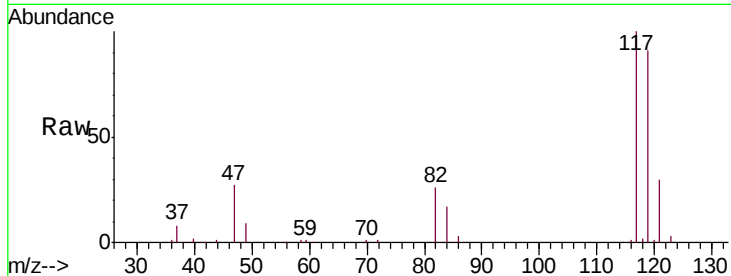
VICV65

Tgt Ion:117 Resp: 91207

Ion Ratio Lower Upper

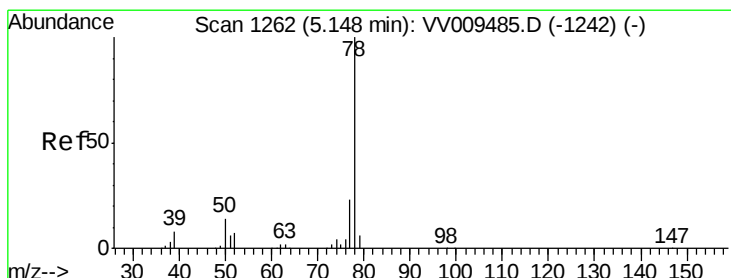
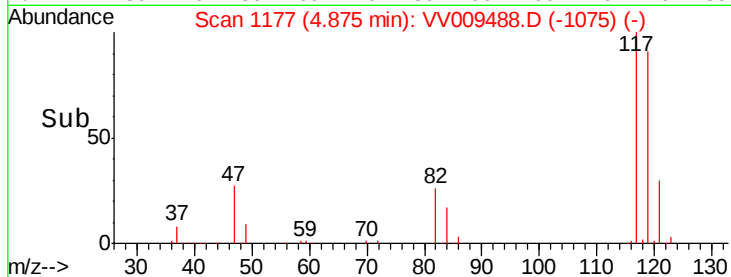
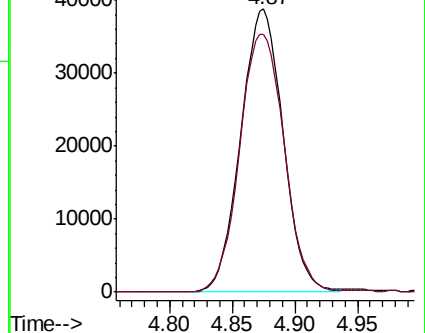
117 100

119 95.7 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 27.704 ug/L

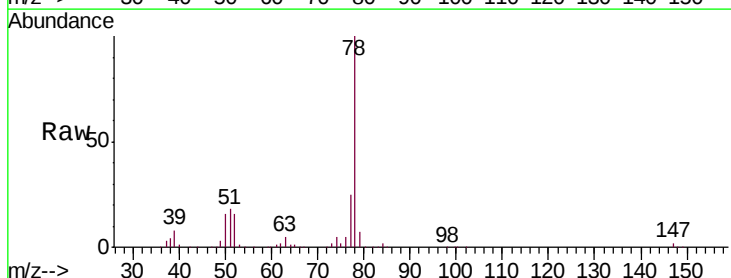
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

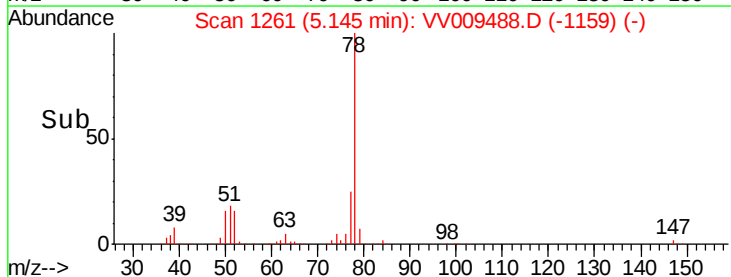
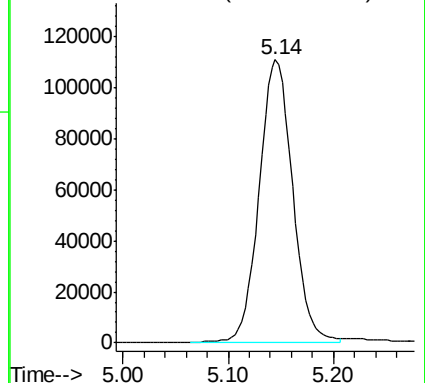
Lab File: VV009488.D

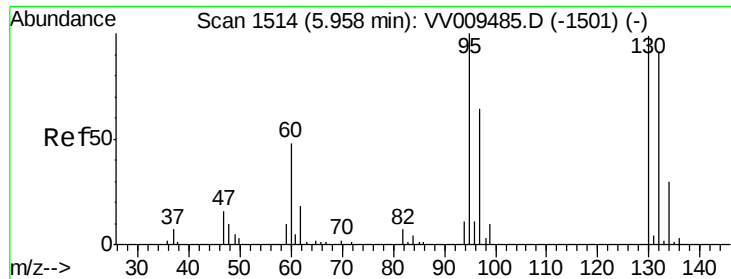
Acq: 05 Mar 2019 13:28

Tgt Ion: 78 Resp: 246325



Abundance Ion 78.00 (77.70 to 78.70): VV0

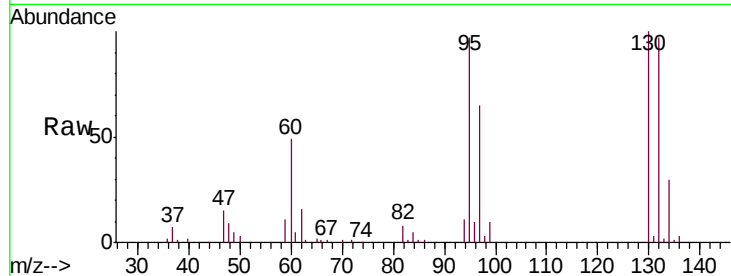




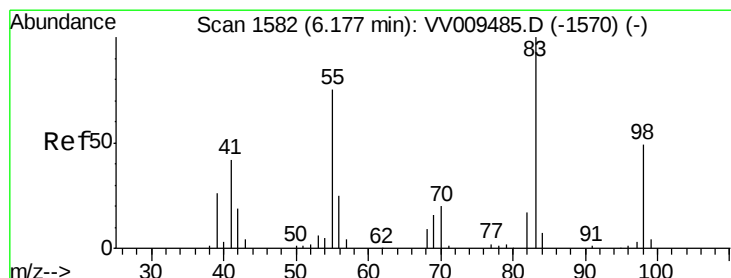
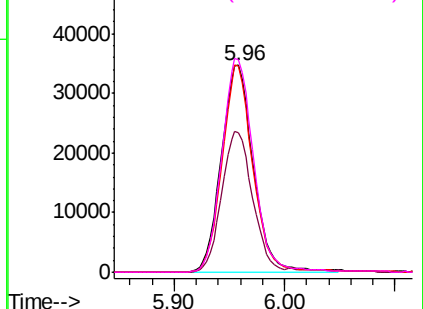
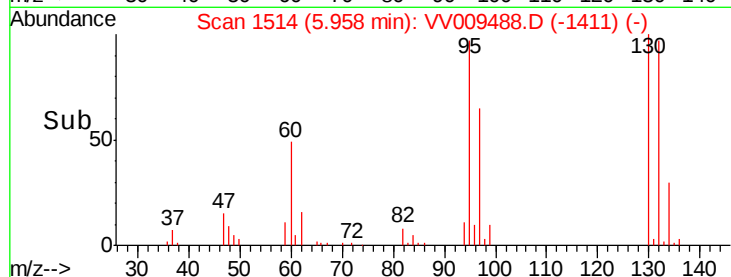
#35
 Trichloroethene
 Concen: 27.505 ug/L
 RT: 5.96 min Scan# 1514
 Delta R.T. 0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Instrument :
 MSVOA_V
 ClientSampled :
 VICV65

Tgt Ion: 95 Resp: 70283
 Ion Ratio Lower Upper
 95 100
 97 65.1 44.3 82.3
 132 94.6 64.4 119.6
 130 101.5 69.4 128.8

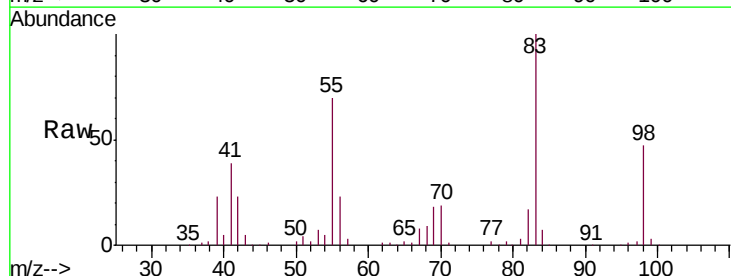


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

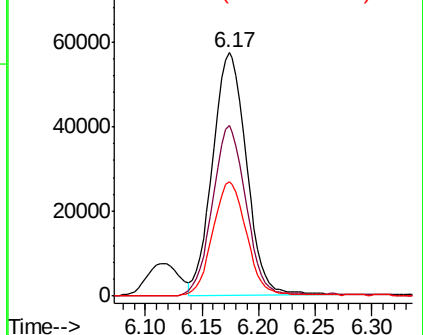
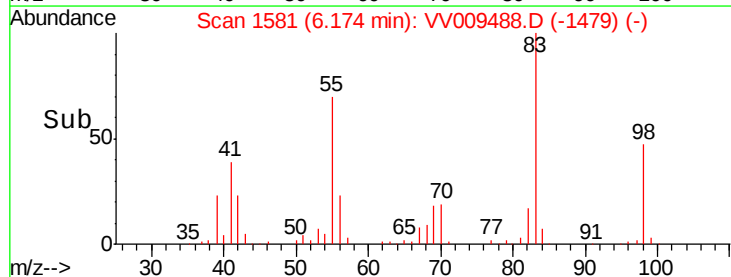


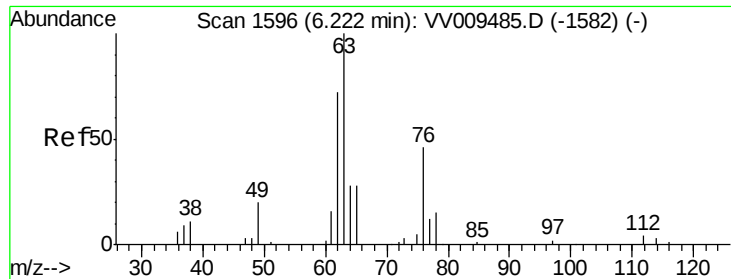
#36
 Methylcyclohexane
 Concen: 28.568 ug/L
 RT: 6.17 min Scan# 1581
 Delta R.T. -0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Tgt Ion: 83 Resp: 118917
 Ion Ratio Lower Upper
 83 100
 55 70.3 58.8 88.2
 98 46.6 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

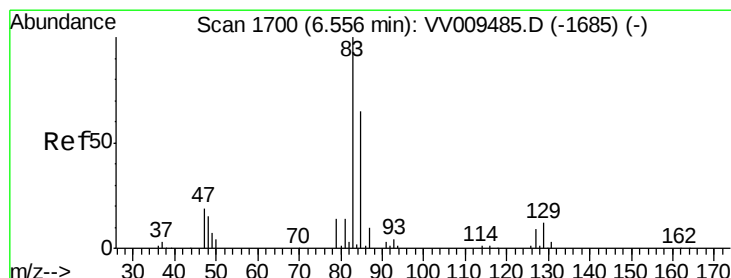
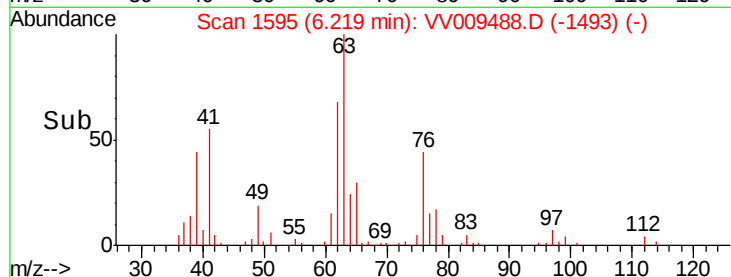
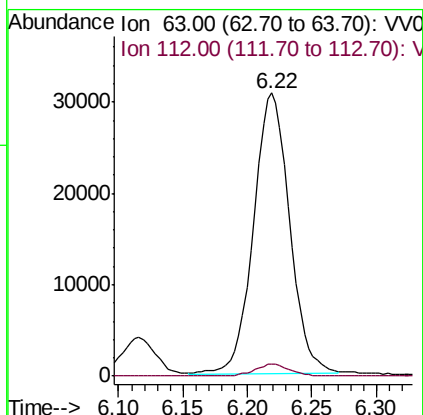
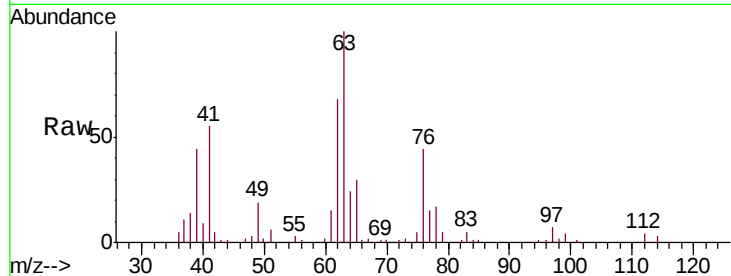




#40
 1,2-Dichloropropane
 Concen: 26.160 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

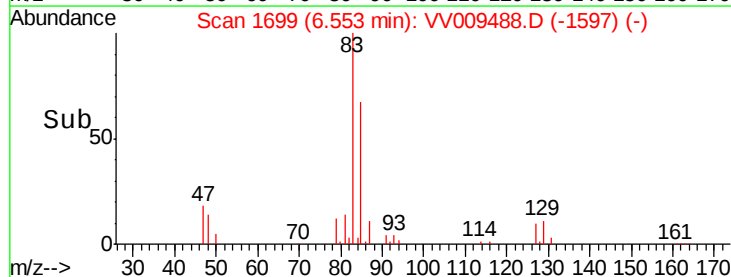
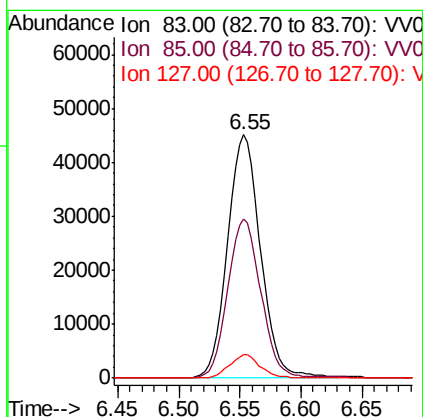
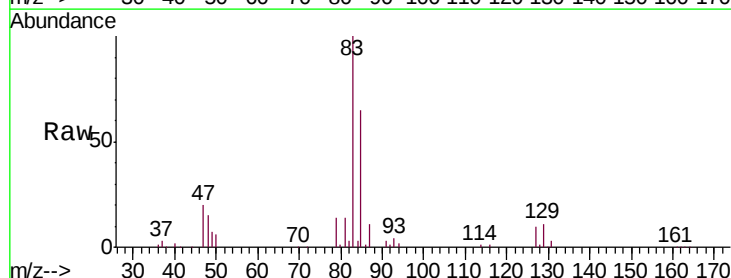
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

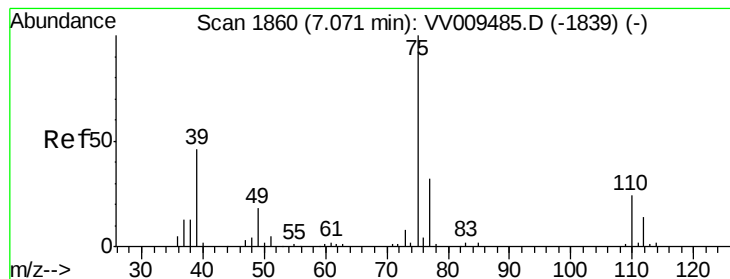
Tgt Ion: 63 Resp: 59973
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.0 4.4



#41
 Bromodichloromethane
 Concen: 27.632 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Tgt Ion: 83 Resp: 85506
 Ion Ratio Lower Upper
 83 100
 85 65.3 46.5 86.3
 127 9.6 7.2 10.8



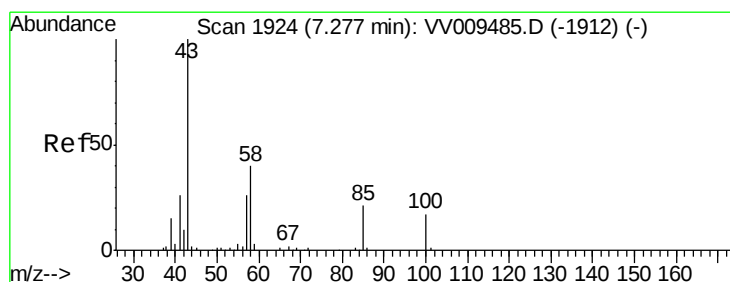
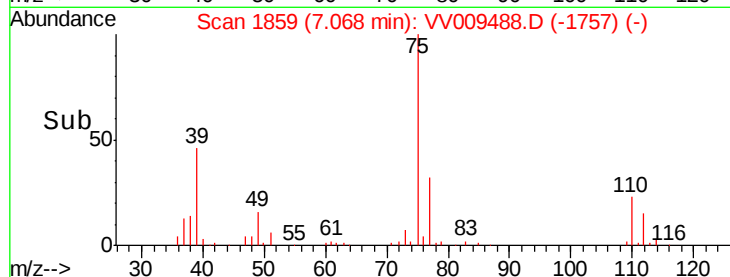
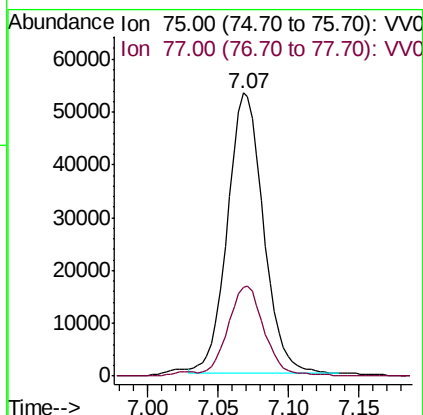
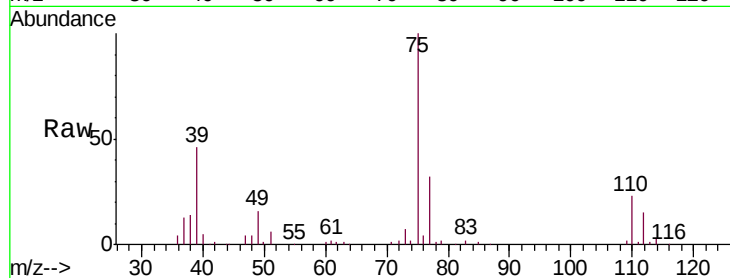


#42

cis-1,3-Dichloropropene
Concen: 26.558 ug/L
RT: 7.07 min Scan# 1859
Delta R.T. -0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Instrument :
MSVOA_V
ClientSampled :
VICV65

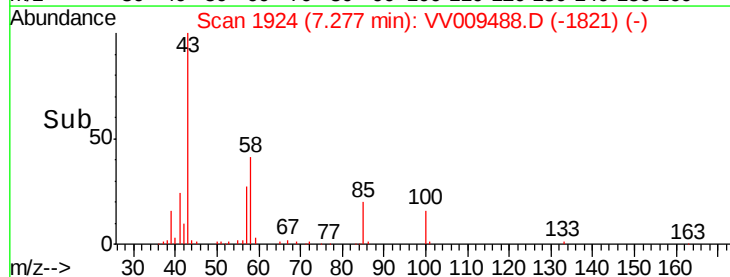
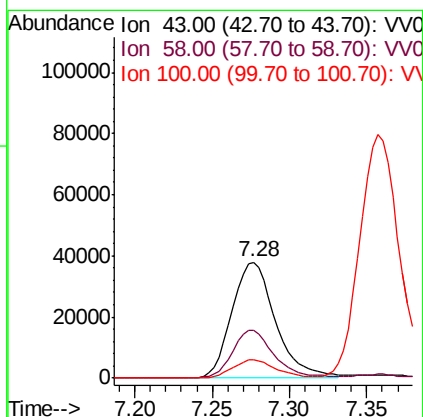
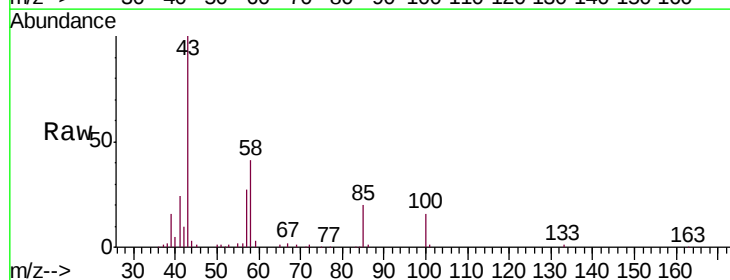
Tgt Ion: 75 Resp: 94523
Ion Ratio Lower Upper
75 100
77 31.6 21.4 39.8

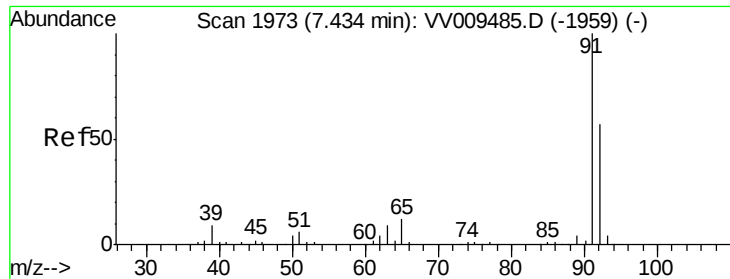


#43

4-Methyl-2-pentanone
Concen: 41.037 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Tgt Ion: 43 Resp: 74162
Ion Ratio Lower Upper
43 100
58 39.9 31.9 47.9
100 16.1 12.8 19.2





#44

Toluene

Concen: 28.235 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampleId :

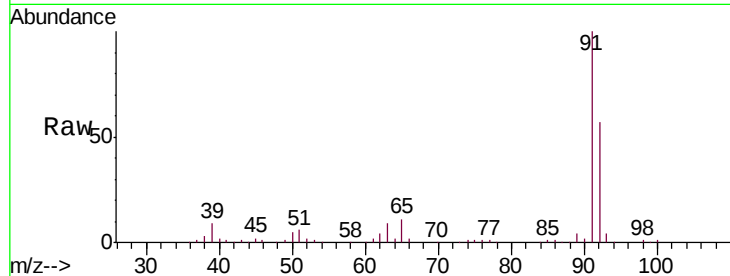
VICV65

Tgt Ion: 91 Resp: 283769

Ion Ratio Lower Upper

91 100

92 57.2 39.6 73.6



Abundance Ion 91.00 (90.70 to 91.70): VV009488.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV009488.D (-1959) (-)

7.43

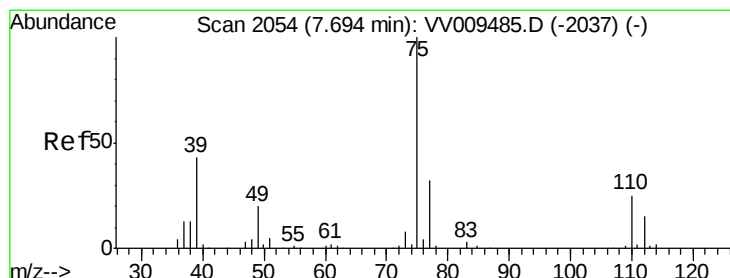
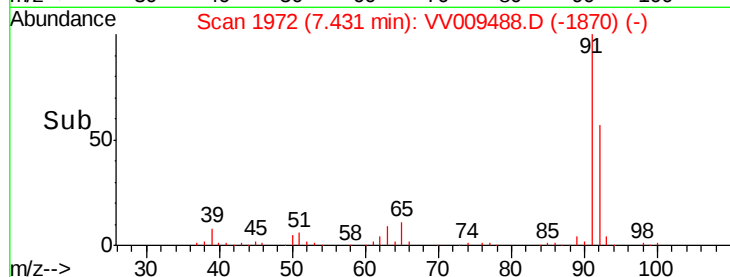
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 27.334 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. -0.00 min

Lab File: VV009488.D

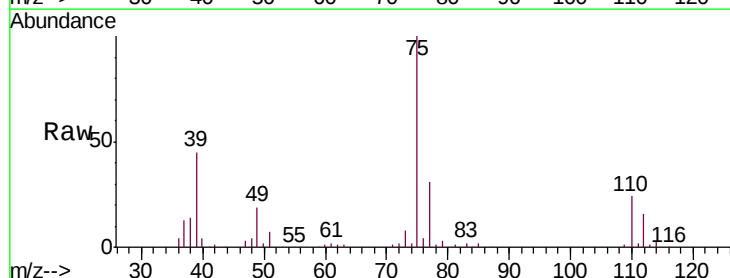
Acq: 05 Mar 2019 13:28

Tgt Ion: 75 Resp: 84964

Ion Ratio Lower Upper

75 100

77 30.9 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009488.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009488.D (-1951) (-)

7.69

50000

40000

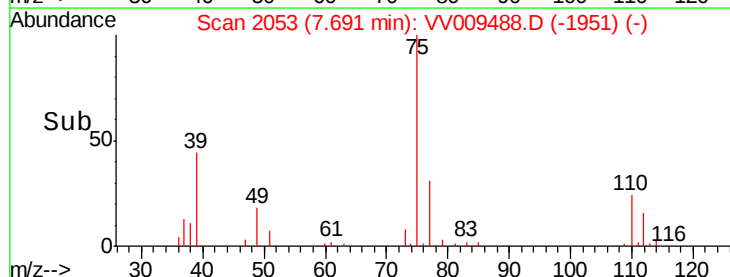
30000

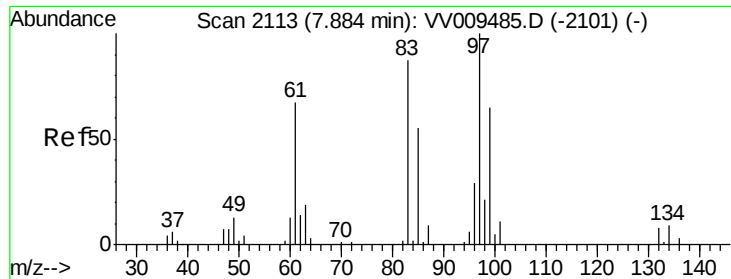
20000

10000

0

Time-->

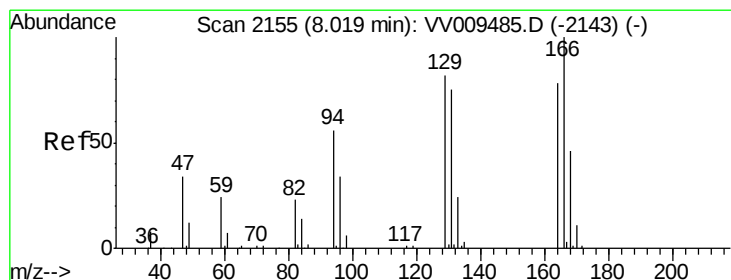
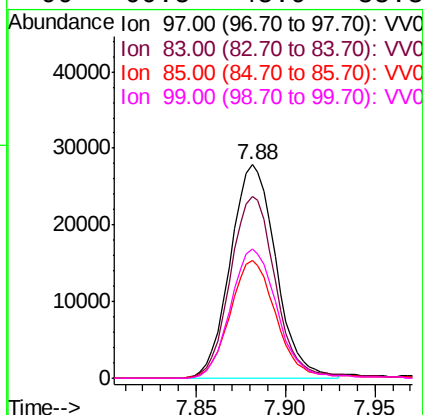
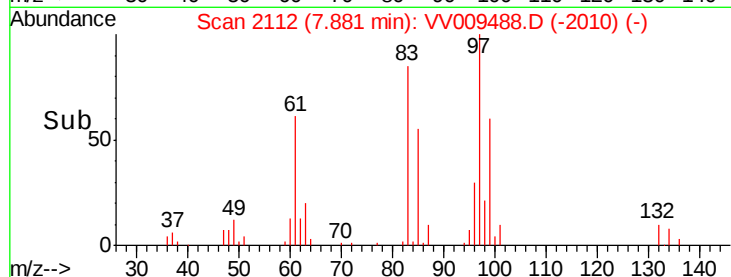
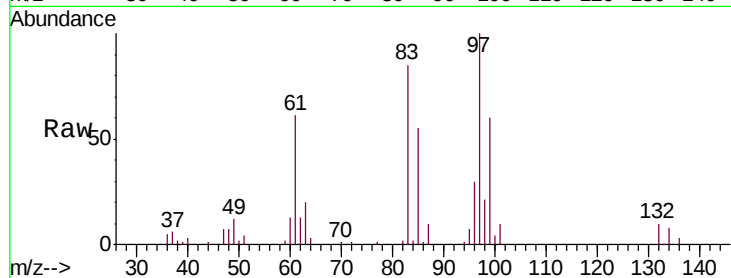




#46
1,1,2-Trichloroethane
Concen: 25.987 ug/L
RT: 7.88 min Scan# 2112
Delta R.T. -0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

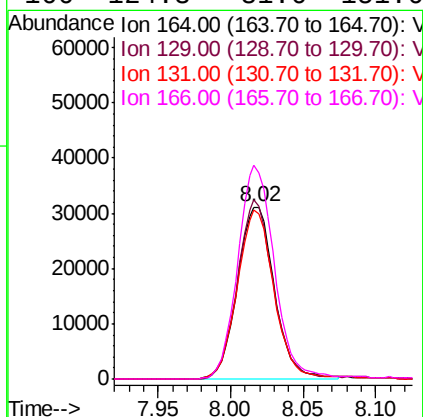
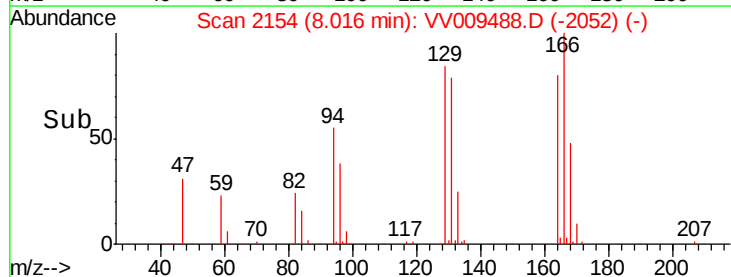
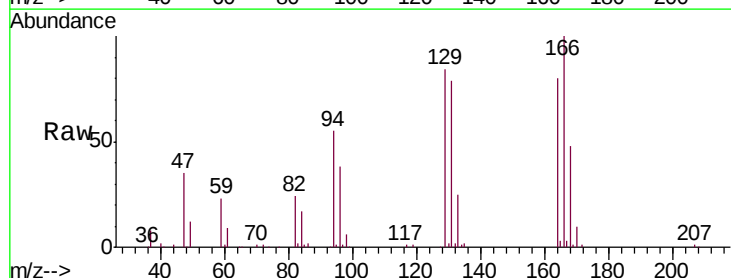
Instrument :
MSVOA_V
ClientSampleId :
VICV65

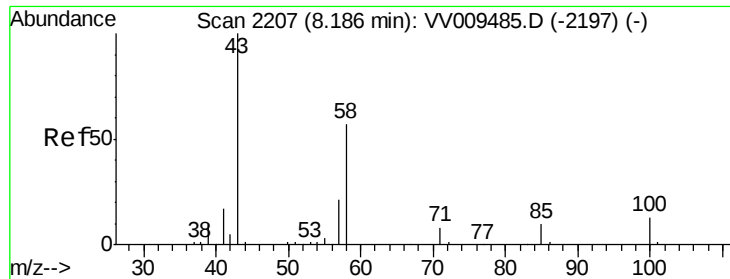
Tgt Ion:	97	Resp:	49496
Ion	Ratio	Lower	Upper
97	100		
83	85.3	63.8	118.6
85	55.1	39.5	73.4
99	60.5	45.9	85.3



#47
Tetrachloroethene
Concen: 28.593 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Tgt Ion:	164	Resp:	55417
Ion	Ratio	Lower	Upper
164	100		
129	104.2	67.7	125.7
131	98.1	67.5	125.3
166	124.3	81.6	151.6

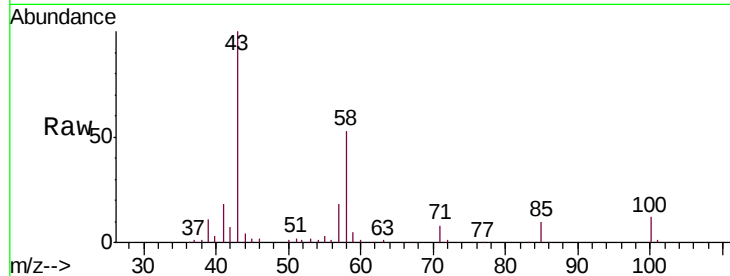




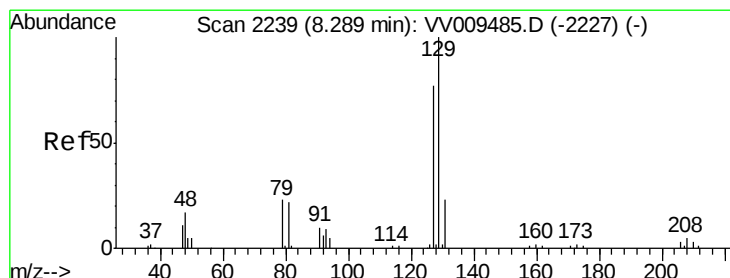
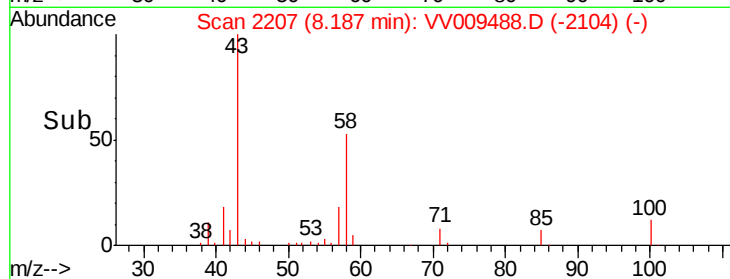
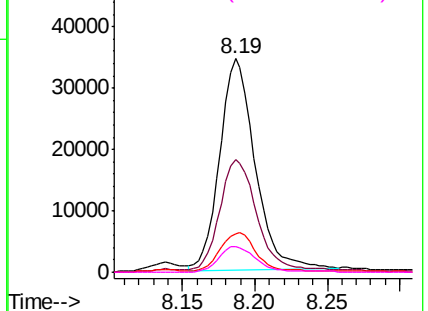
#49
2-Hexanone
Concen: 42.587 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Tgt Ion: 43 Resp: 58198
Ion Ratio Lower Upper
43 100
58 55.0 46.3 69.5
57 20.2 15.8 23.6
100 12.7 10.0 15.0

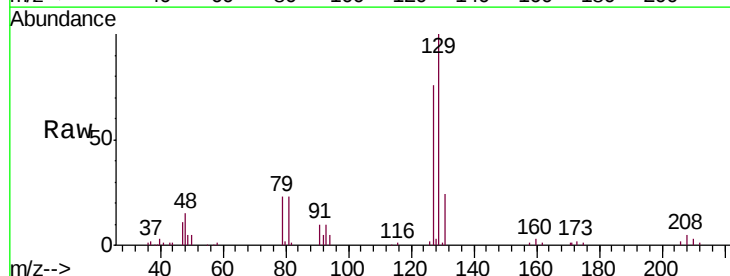


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

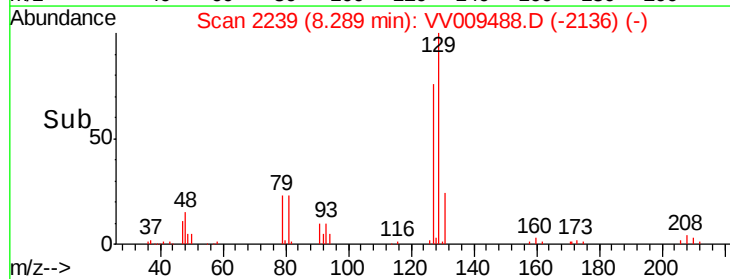
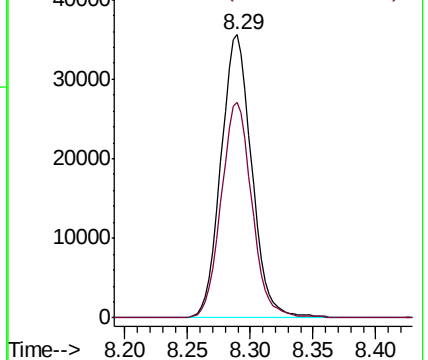


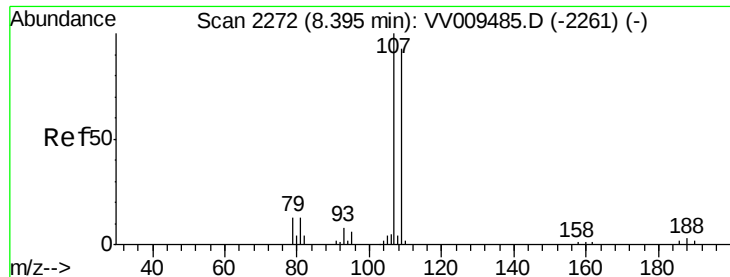
#50
Dibromochloromethane
Concen: 26.420 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Tgt Ion: 129 Resp: 60922
Ion Ratio Lower Upper
129 100
127 76.3 53.7 99.7



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

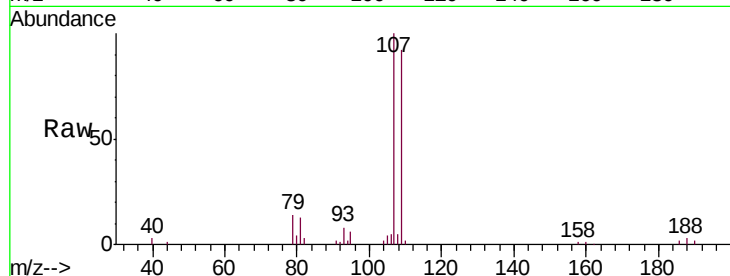




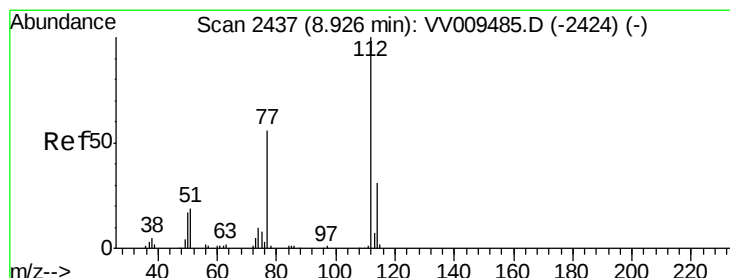
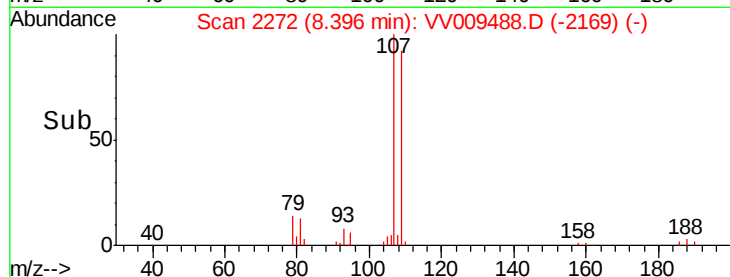
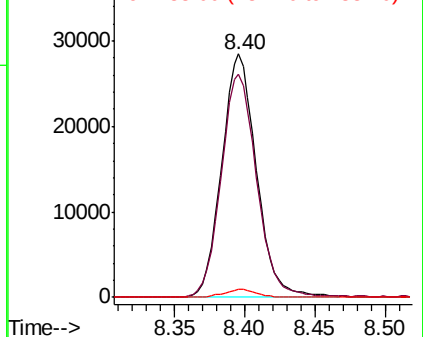
#51
 1,2-Dibromoethane
 Concen: 24.834 ug/L
 RT: 8.40 min Scan# 2272
 Delta R.T. 0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tgt Ion:107 Resp: 48870
 Ion Ratio Lower Upper
 107 100
 109 91.7 65.6 121.8
 188 3.2 2.3 3.5

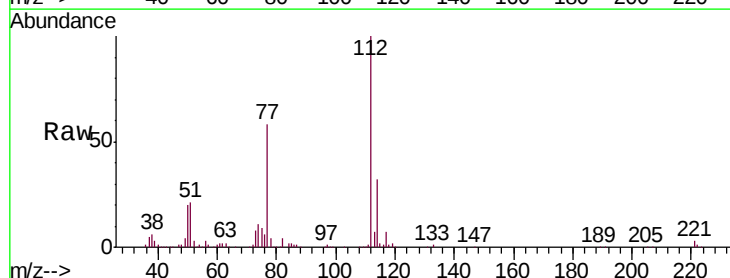


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

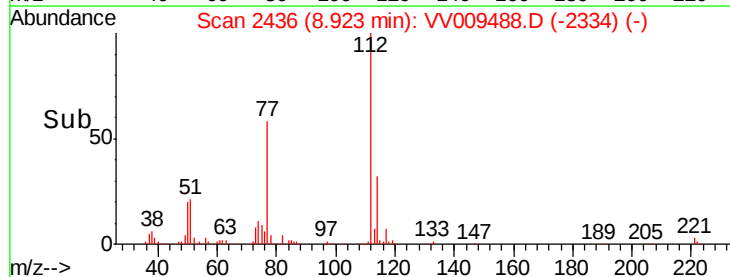
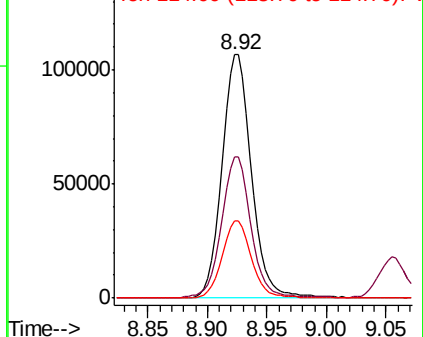


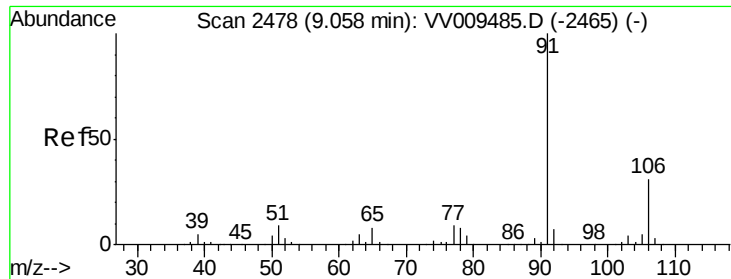
#52
 Chlorobenzene
 Concen: 27.511 ug/L
 RT: 8.92 min Scan# 2436
 Delta R.T. -0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Tgt Ion:112 Resp: 183270
 Ion Ratio Lower Upper
 112 100
 77 58.2 45.0 67.6
 114 31.5 22.9 42.5



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: 27.768 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampleId :

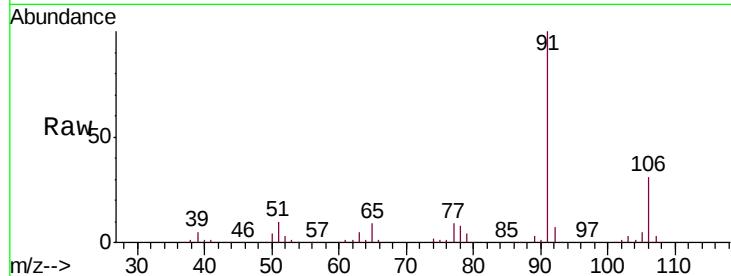
VICV65

Tgt Ion: 91 Resp: 319359

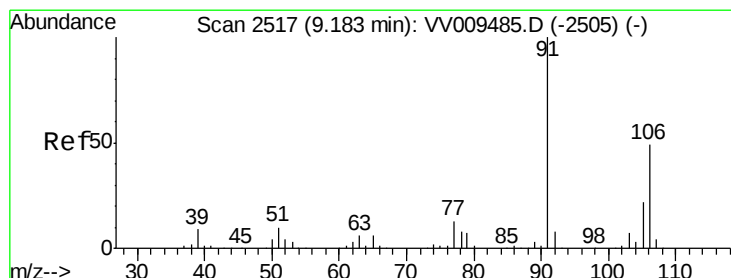
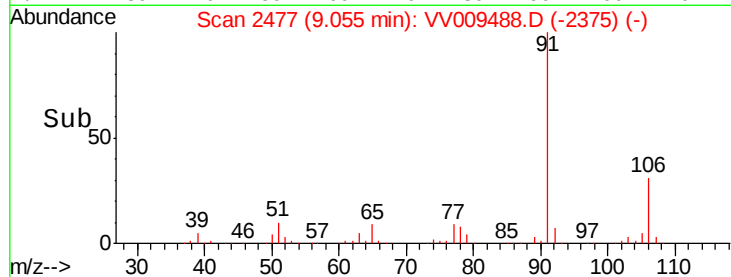
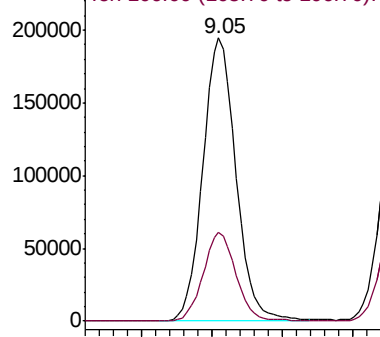
Ion Ratio Lower Upper

91 100

106 31.3 23.0 42.6



Abundance Ion 91.00 (90.70 to 91.70): VV009488.D (-2465) (-)



#54

m,p-Xylene

Concen: 28.362 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV009488.D

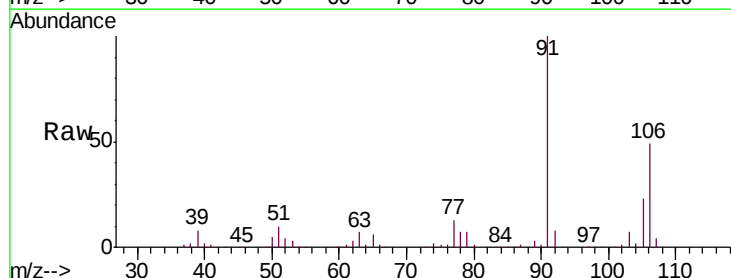
Acq: 05 Mar 2019 13:28

Tgt Ion: 106 Resp: 123458

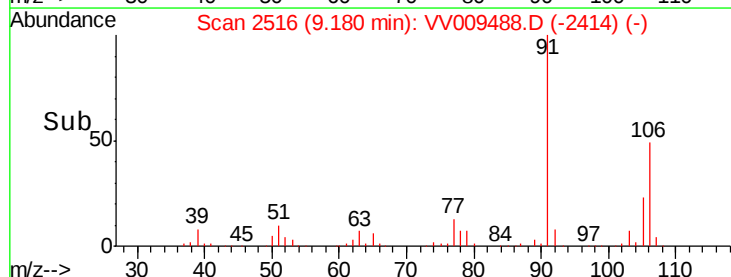
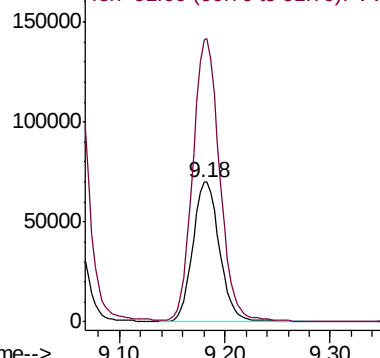
Ion Ratio Lower Upper

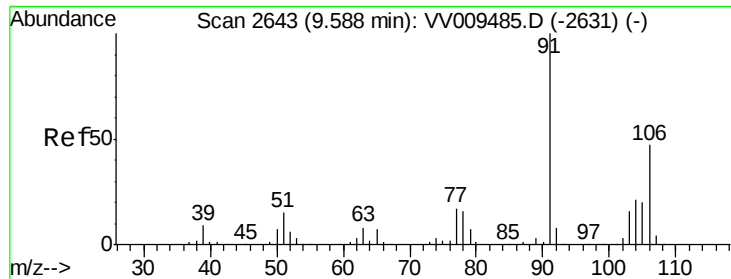
106 100

91 202.0 138.5 257.1



Abundance Ion 106.00 (105.70 to 106.70): VV009488.D (-2505) (-)

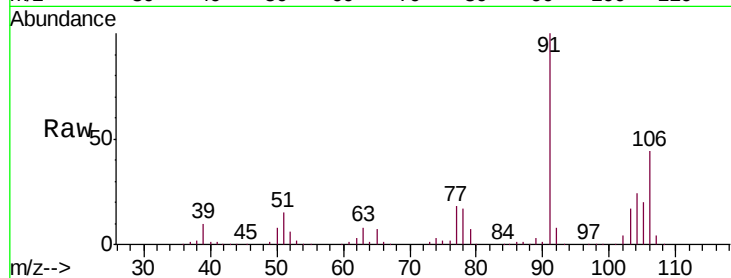




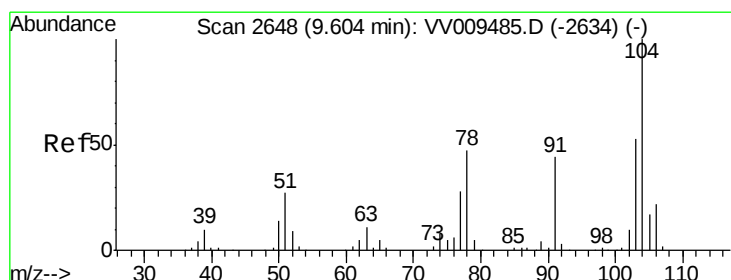
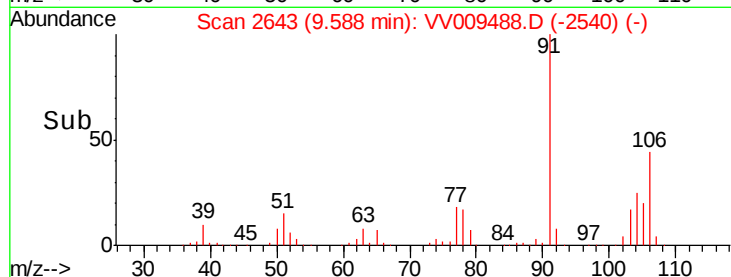
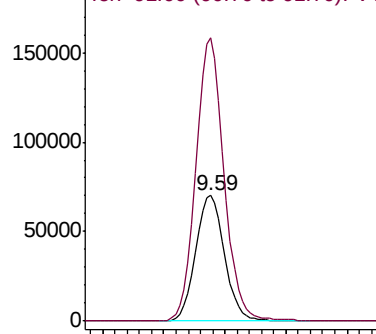
#55
o-xylene
Concen: 27.913 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Instrument :
MSVOA_V
ClientSampleId :
VICV65

Tgt Ion:106 Resp: 117163
Ion Ratio Lower Upper
106 100
91 225.1 143.8 267.0

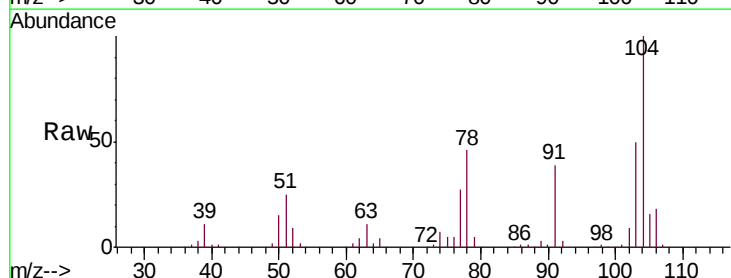


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

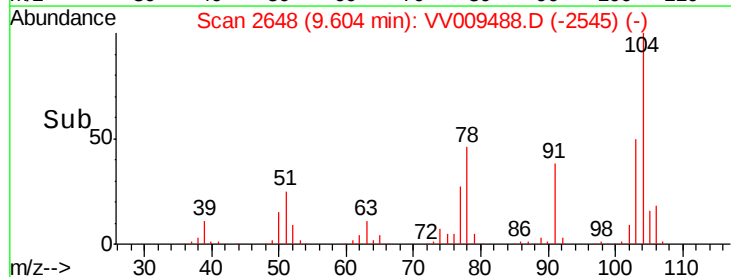
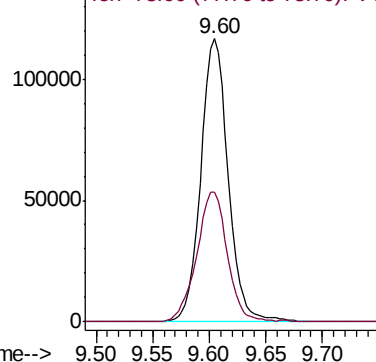


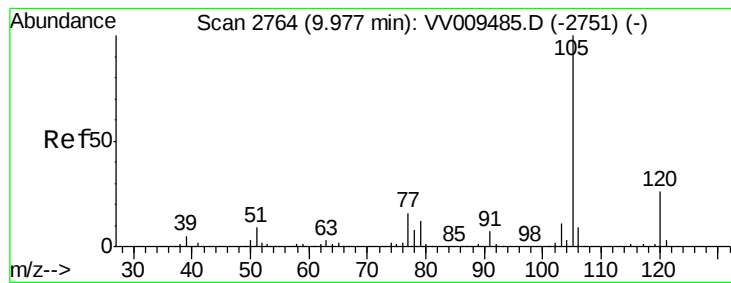
#56
Styrene
Concen: 28.485 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV009488.D
Acq: 05 Mar 2019 13:28

Tgt Ion:104 Resp: 196700
Ion Ratio Lower Upper
104 100
78 45.8 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: 28.117 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampled :

VICV65

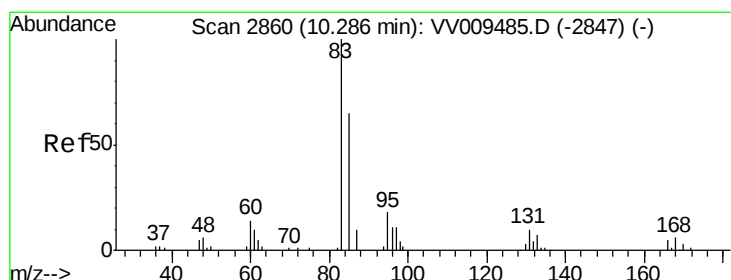
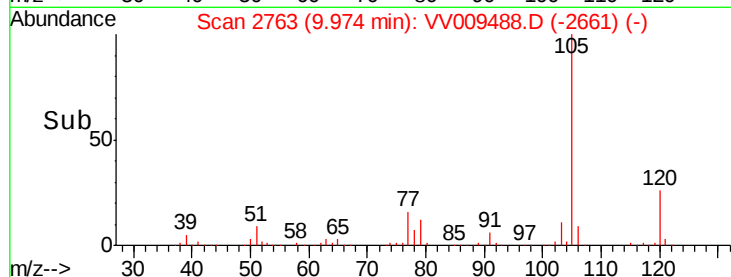
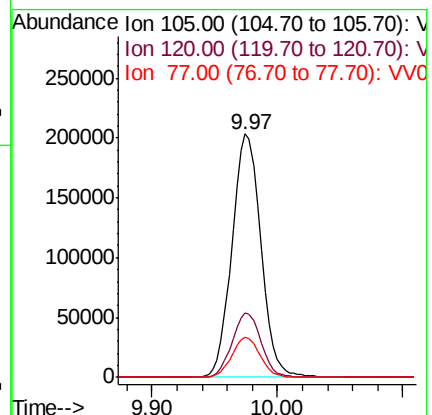
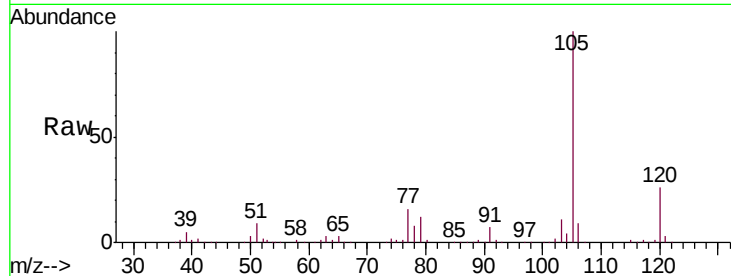
Tgt Ion: 105 Resp: 325515

Ion Ratio Lower Upper

105 100

120 26.5 21.4 32.2

77 16.2 12.8 19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 23.547 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

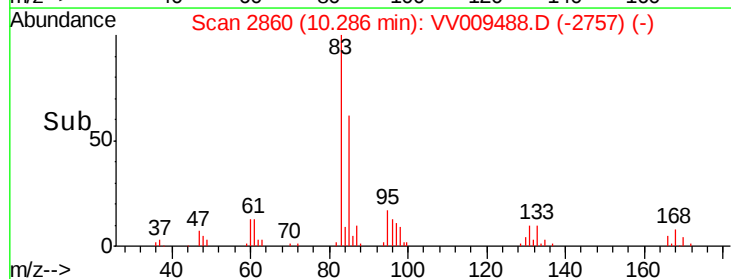
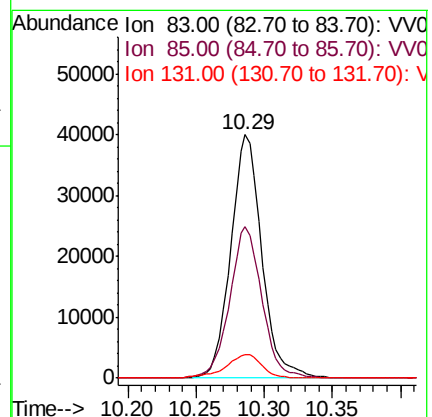
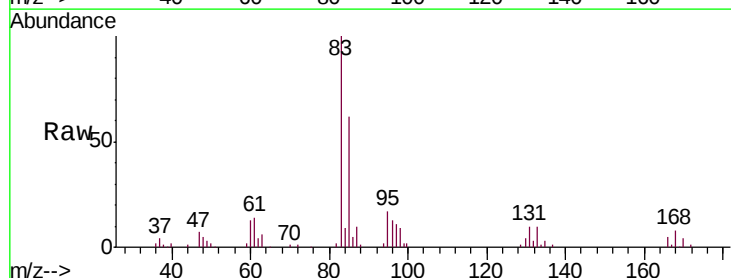
Tgt Ion: 83 Resp: 63327

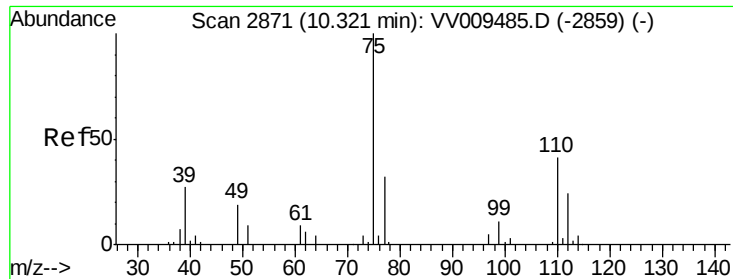
Ion Ratio Lower Upper

83 100

85 62.3 44.7 83.1

131 9.6 7.0 10.6

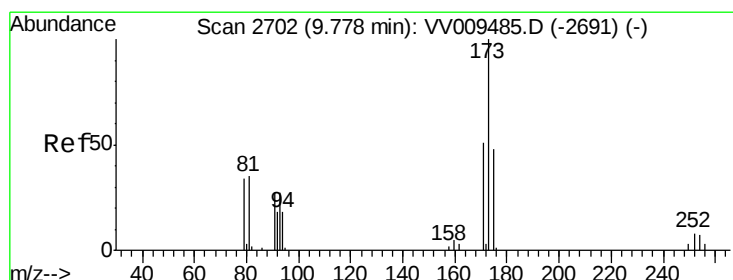
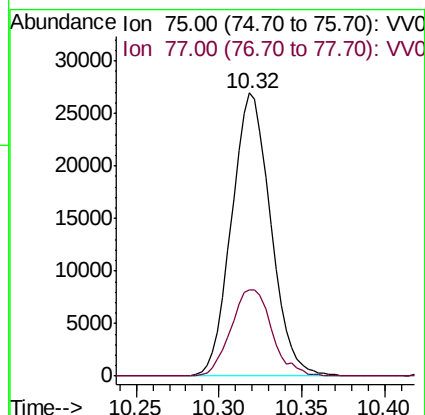
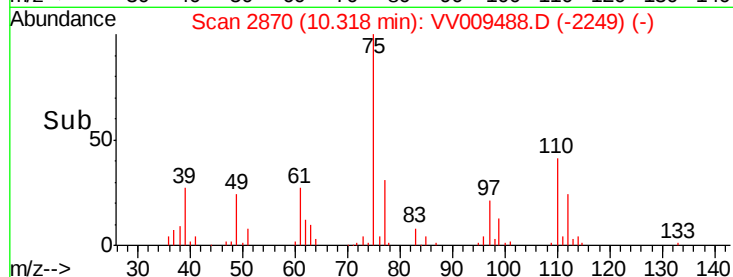
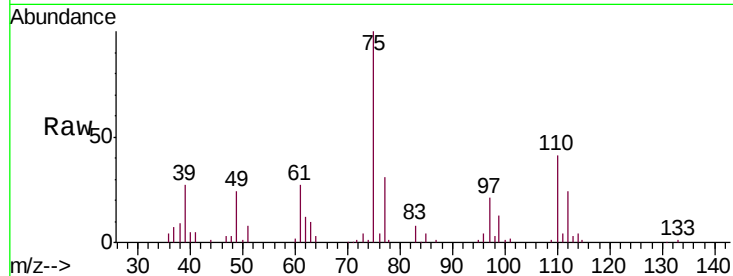




#59
 1,2,3-Trichloropropane
 Concen: 22.843 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

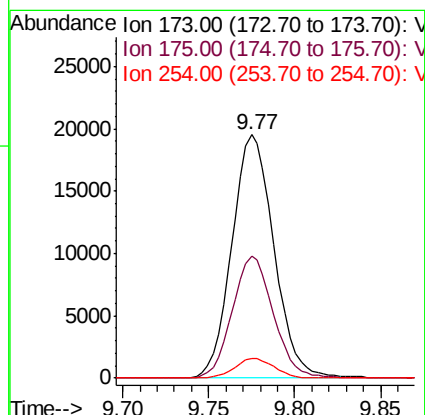
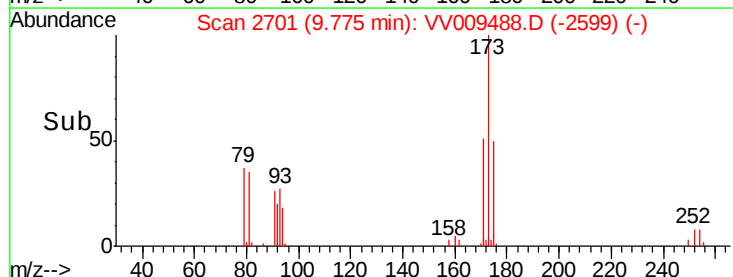
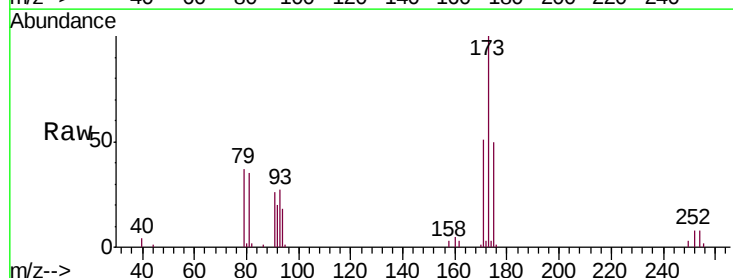
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

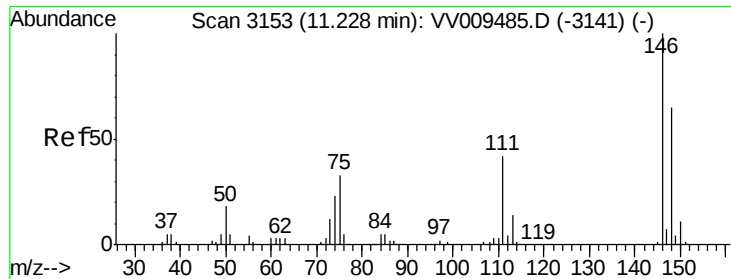
Tgt Ion: 75 Resp: 44286
 Ion Ratio Lower Upper
 75 100
 77 32.0 25.9 38.9



#62
 Bromoform
 Concen: 24.094 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Tgt Ion: 173 Resp: 33092
 Ion Ratio Lower Upper
 173 100
 175 48.9 38.8 58.2
 254 7.6 5.8 8.8

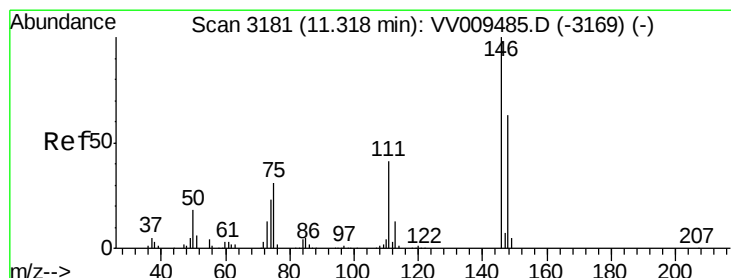
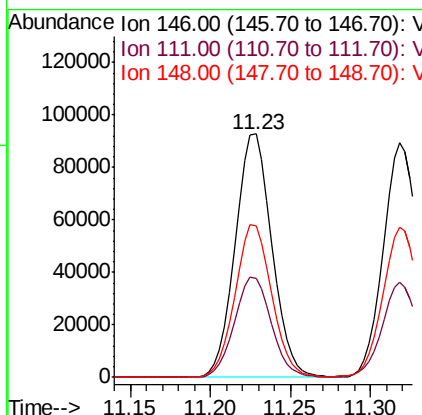
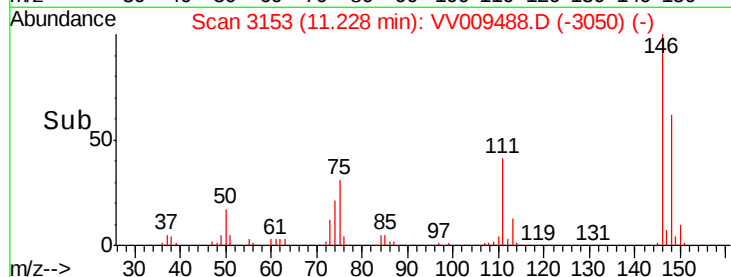
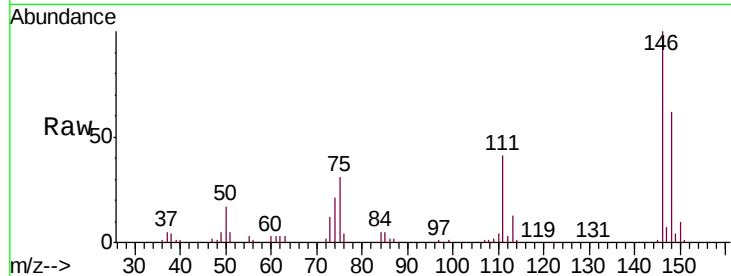




#63
 1,3-Dichlorobenzene
 Concen: 27.353 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

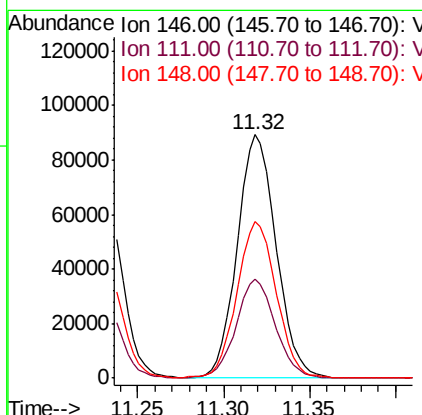
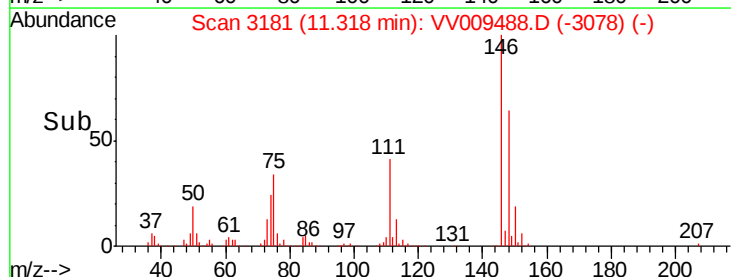
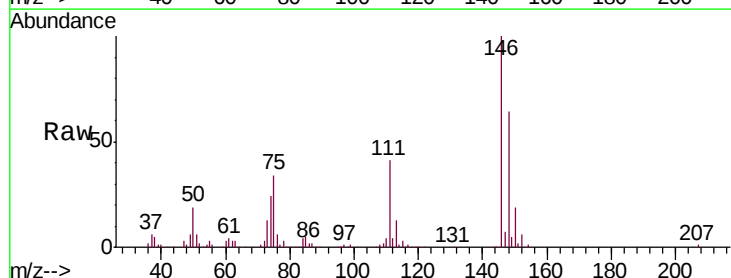
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

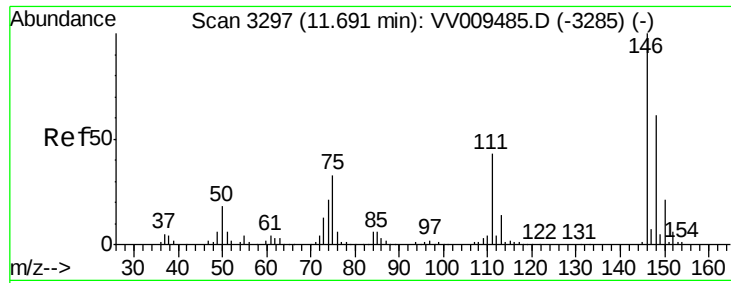
Tgt Ion:146 Resp: 144611
 Ion Ratio Lower Upper
 146 100
 111 40.8 29.6 55.0
 148 62.1 44.8 83.2



#64
 1,4-Dichlorobenzene
 Concen: 25.972 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Tgt Ion:146 Resp: 140308
 Ion Ratio Lower Upper
 146 100
 111 40.7 29.2 54.2
 148 64.3 43.0 79.8





#65

1,2-Dichlorobenzene

Concen: 26.860 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampled :

VICV65

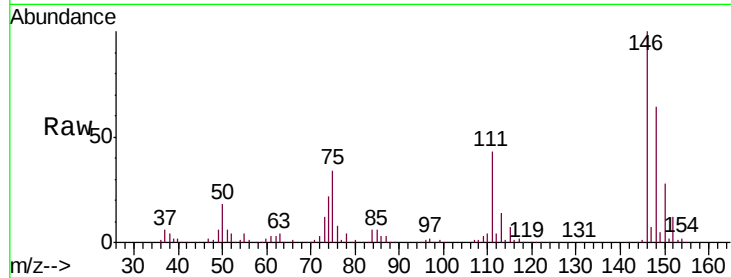
Tgt Ion:146 Resp: 132427

Ion Ratio Lower Upper

146 100

111 43.0 35.4 53.0

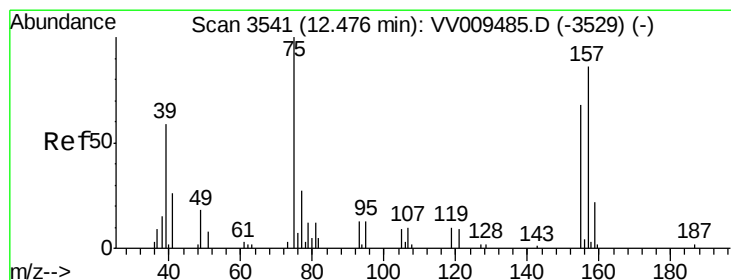
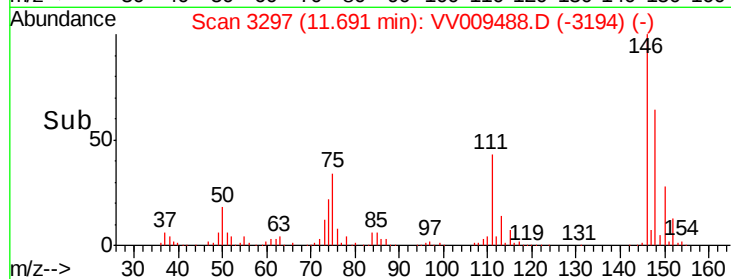
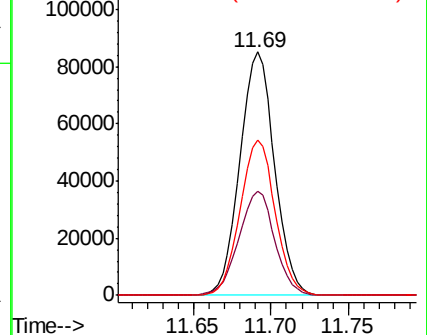
148 63.6 50.6 76.0



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: 21.512 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

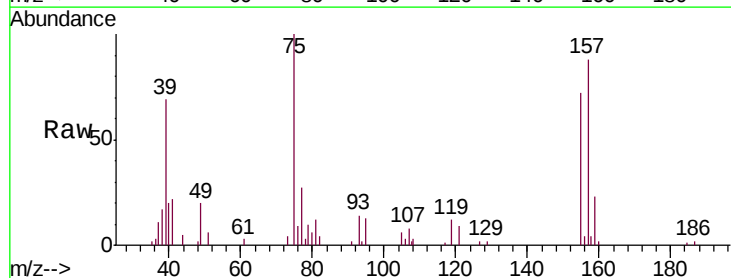
Tgt Ion: 75 Resp: 10623

Ion Ratio Lower Upper

75 100

157 87.7 81.0 121.4

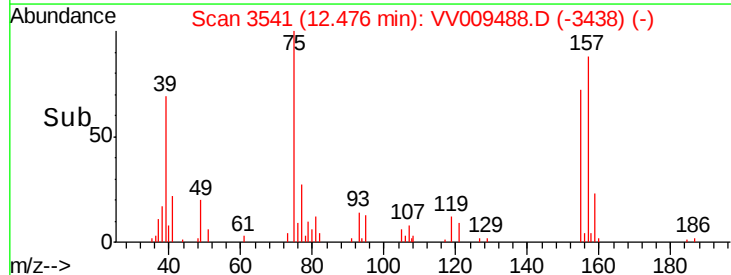
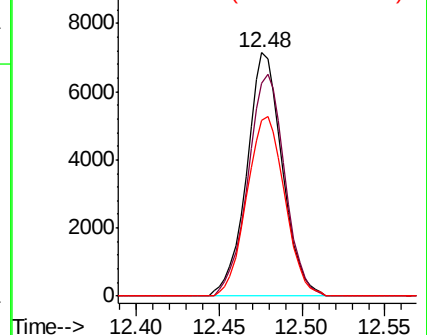
155 72.4 61.2 91.8

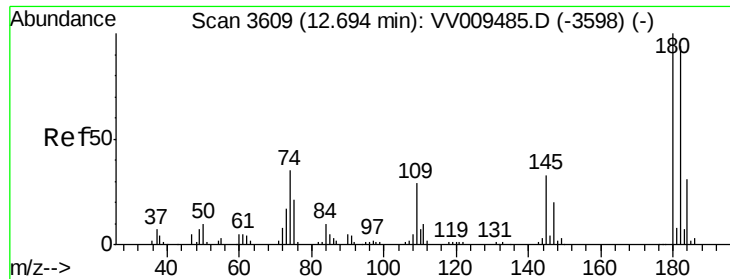


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

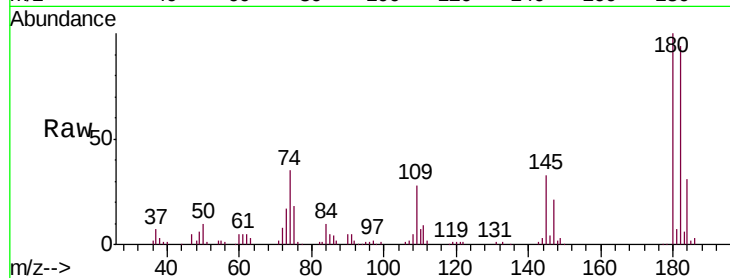




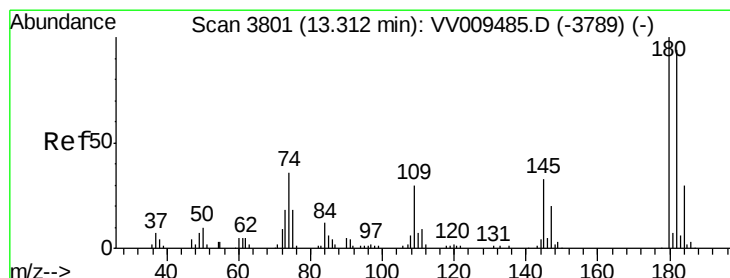
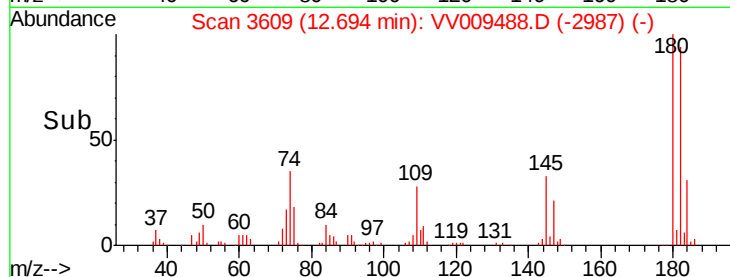
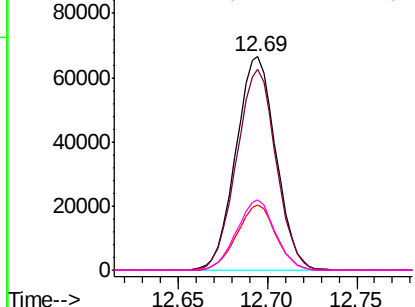
#67
 1,3,5-Trichlorobenzene
 Concen: 27.527 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV65

Tgt Ion:180 Resp: 104388
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.4 113.2
 184 30.0 23.9 35.9
 145 31.9 26.0 39.0

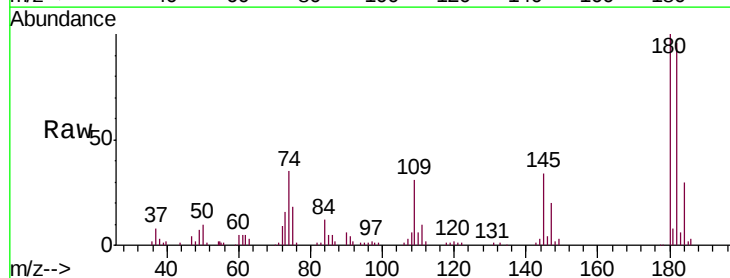


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

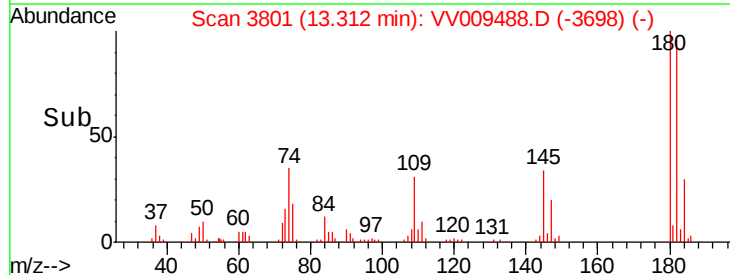
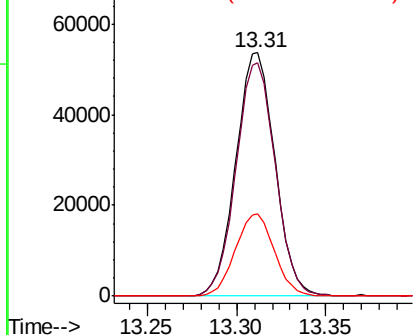


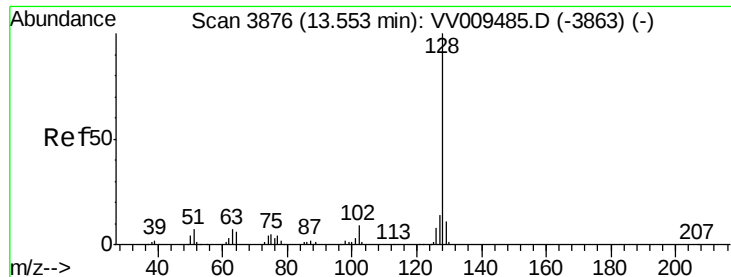
#68
 1,2,4-trichlorobenzene
 Concen: 26.979 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009488.D
 Acq: 05 Mar 2019 13:28

Tgt Ion:180 Resp: 81911
 Ion Ratio Lower Upper
 180 100
 182 96.2 75.9 113.9
 145 33.7 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: 24.263 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

Instrument :

MSVOA_V

ClientSampled :

VICV65

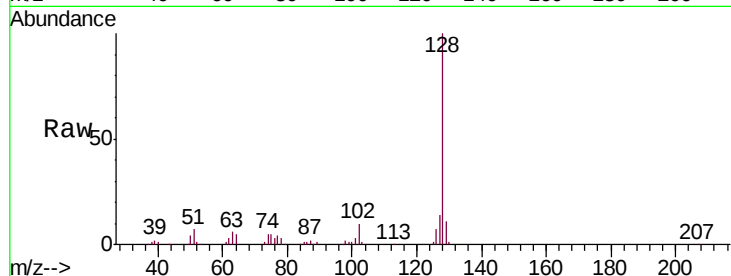
Tgt Ion:128 Resp: 155161

Ion Ratio Lower Upper

128 100

129 10.8 8.8 13.2

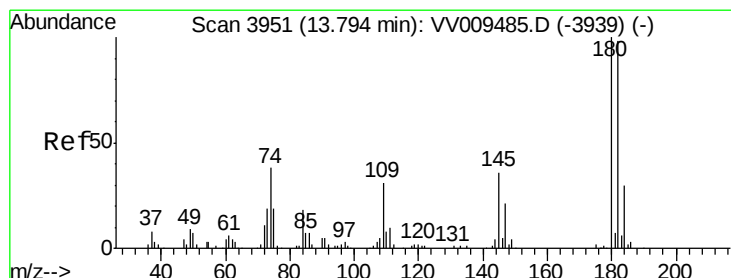
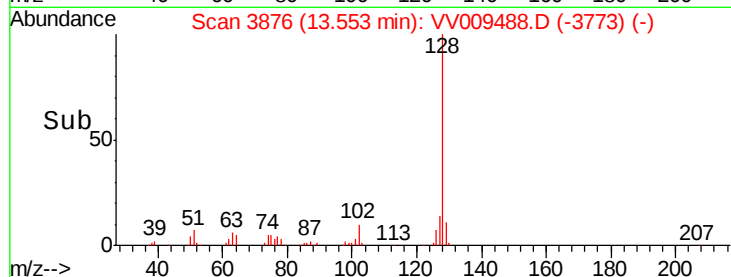
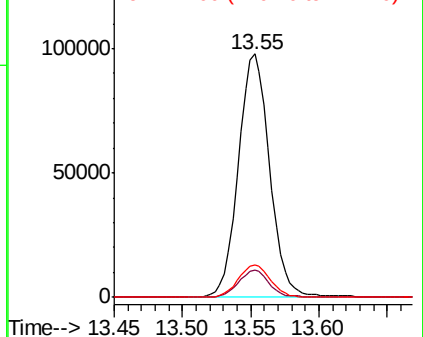
127 13.8 10.6 16.0



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: 26.614 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009488.D

Acq: 05 Mar 2019 13:28

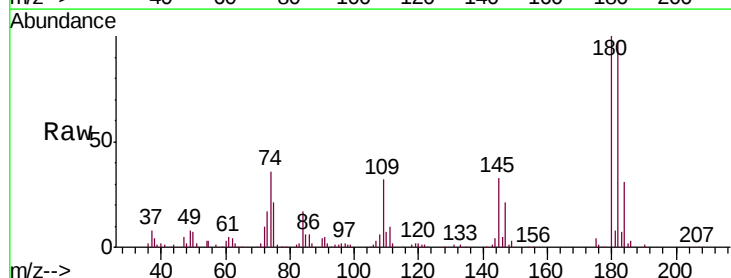
Tgt Ion:180 Resp: 74337

Ion Ratio Lower Upper

180 100

182 94.1 74.2 111.2

145 34.3 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

