

Data File : VV013677.D
Acq On : 19 Nov 2019 14:46
Operator : SY/MD
Sample : K5910-10
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQJ3

Quant Time: Nov 20 01:34:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	347243	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	342303	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	154431	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100378	4.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.60%
7) Chloroethane-d5	1.58	69	95699	5.00	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.00%
11) 1,1-Dichloroethene-d2	2.13	63	141159	3.67	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	73.40%
20) 2-Butanone-d5	3.93	46	277062	55.85	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	111.70%
24) Chloroform-d	4.40	84	237907	5.02	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	100.40%
26) 1,2-Dichloroethane-d4	5.08	65	121893	5.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.00%
32) Benzene-d6	5.10	84	464276	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.11	67	149384	5.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.00%
41) Toluene-d8	7.36	98	382021	4.31	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.20%
43) trans-1,3-Dichloropropene-	7.66	79	49677	4.58	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	91.60%
46) 2-Hexanone-d5	8.13	63	188361	45.87	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	91.74%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	97941	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	162989	5.48	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	109.60%

Target Compounds

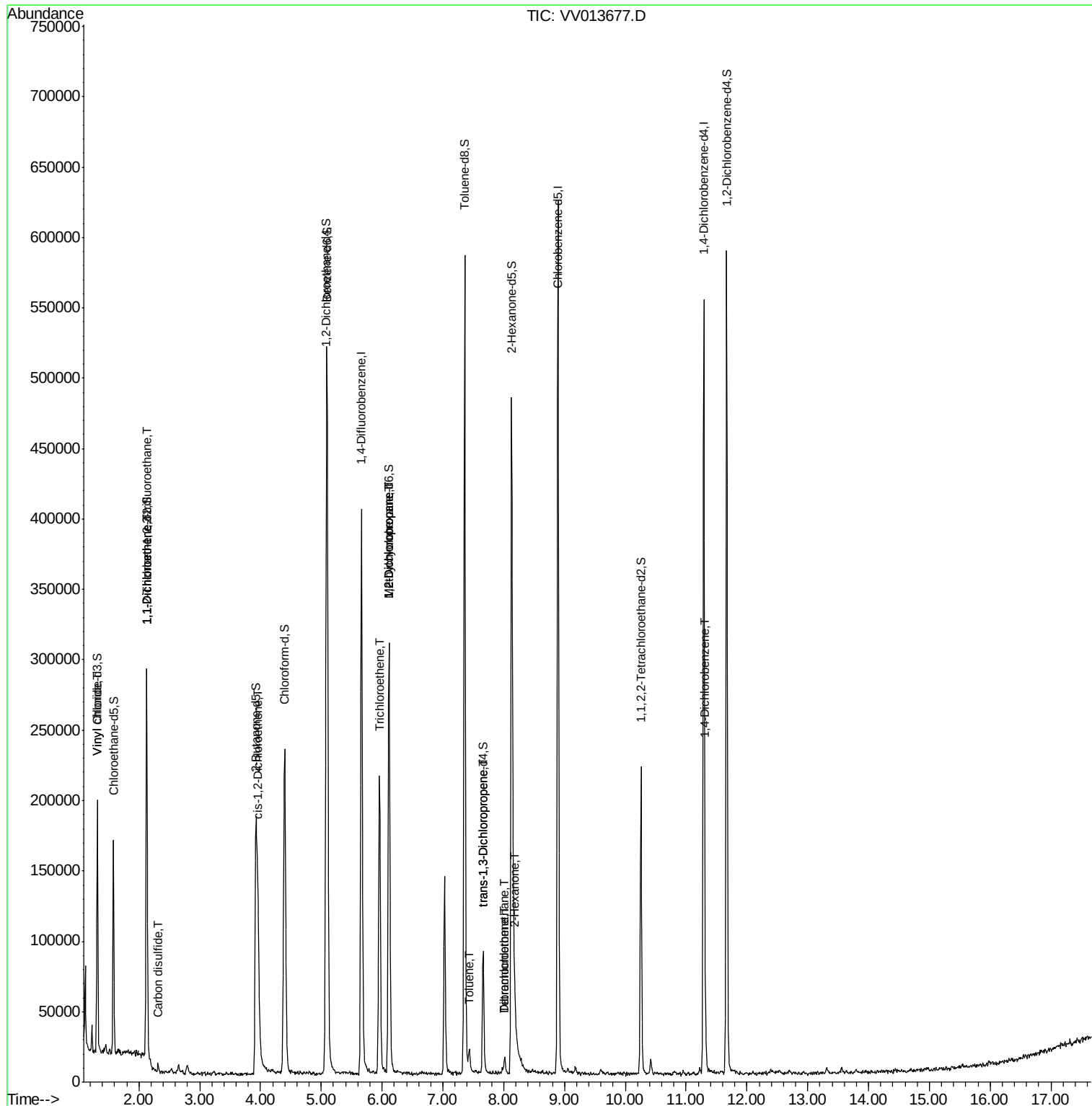
						Qvalue
5) Vinyl chloride	1.32	62	4499	0.154	ug/L #	62
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1828	0.086	ug/L #	19
12) 1,1-Dichloroethene	2.13	96	3115	0.150	ug/L #	1
14) Carbon disulfide	2.32	76	6573	0.092	ug/L #	92
22) cis-1,2-Dichloroethene	3.96	96	46881	1.766	ug/L #	95
34) Trichloroethene	5.96	95	69824	2.518	ug/L	97
35) Methylcyclohexane	6.11	83	36301	0.858	ug/L #	18
37) 1,2-Dichloropropane	6.11	63	15378	0.620	ug/L #	86
42) Toluene	7.44	91	9866	0.089	ug/L	97
44) trans-1,3-Dichloropropene	7.66	75	2192	0.078	ug/L	92
47) Tetrachloroethene	8.02	164	2956	0.115	ug/L	78
48) 2-Hexanone	8.19	43	10658	1.041	ug/L	92
49) Dibromochloromethane	8.01	129	2467	0.109	ug/L #	10
63) 1,4-Dichlorobenzene	11.32	146	14022	0.267	ug/L	95

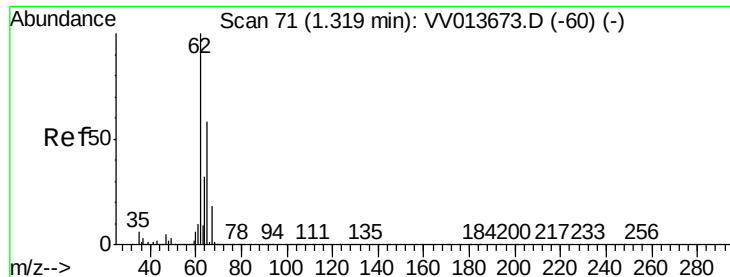
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 0.154 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

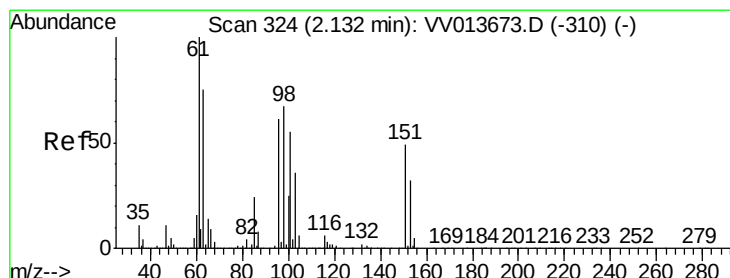
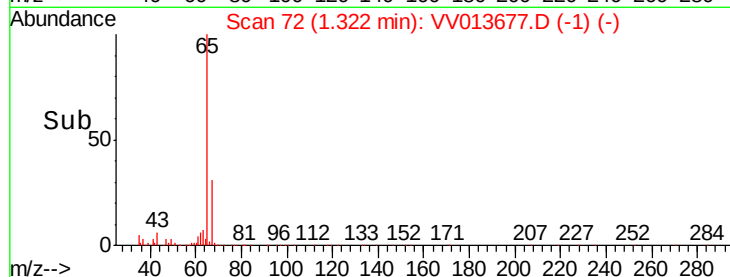
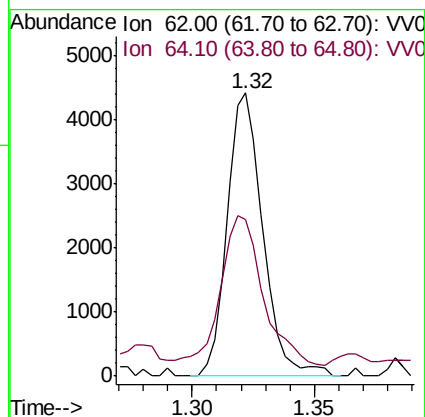
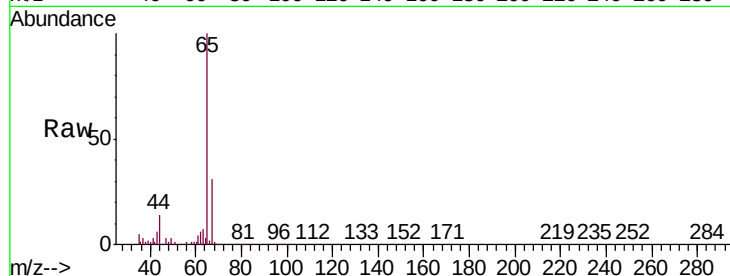
GAQJ3

Tgt Ion: 62 Resp: 4499

Ion Ratio Lower Upper

62 100

64 55.4 23.4 43.6#



#10

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

Concen: 0.086 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.01 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

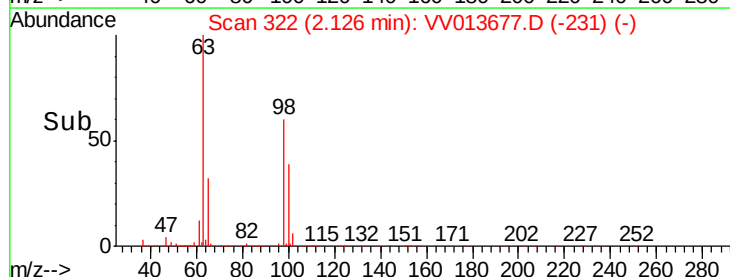
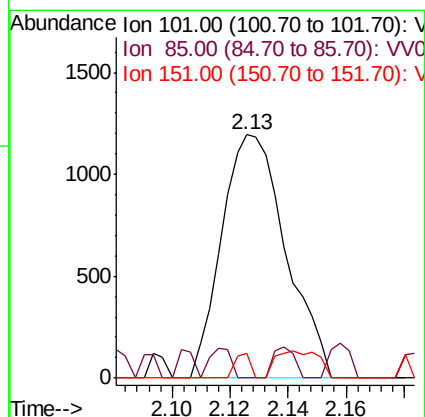
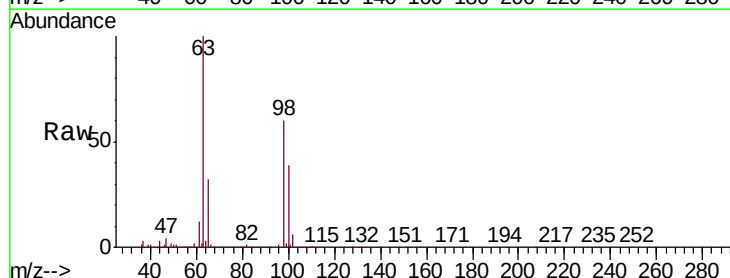
Tgt Ion: 101 Resp: 1828

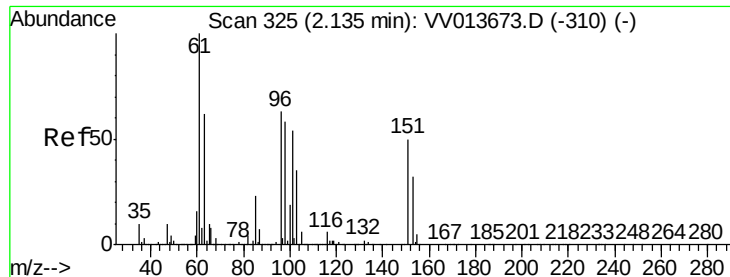
Ion Ratio Lower Upper

101 100

85 4.1 32.0 48.0#

151 2.4 69.0 103.6#





#12

1,1-Dichloroethene

Concen: 0.150 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

GAQJ3

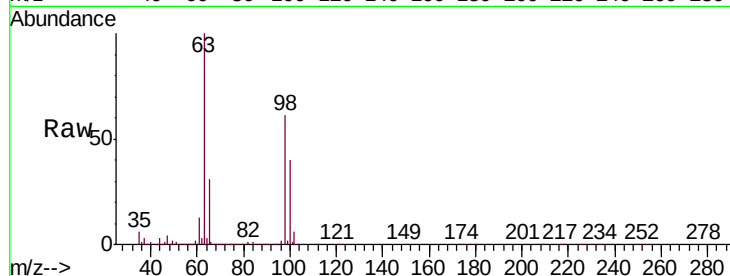
Tgt Ion: 96 Resp: 3115

Ion Ratio Lower Upper

96 100

61 710.2 112.5 208.9#

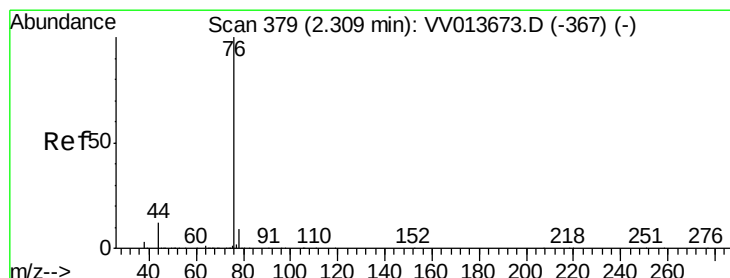
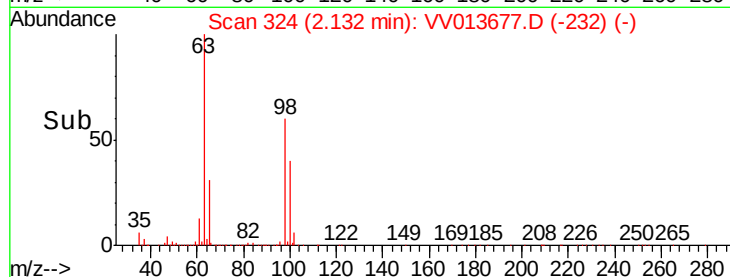
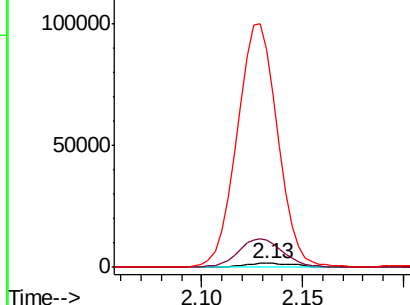
63 5636.4 76.9 142.7#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#14

Carbon disulfide

Concen: 0.092 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013677.D

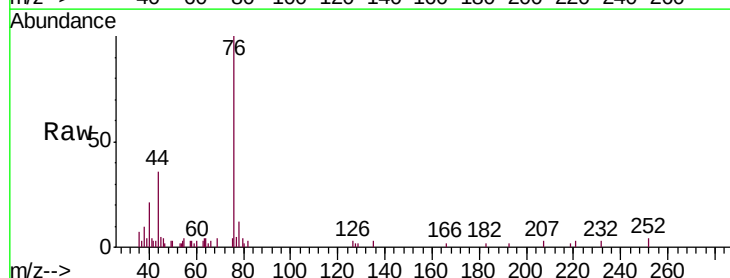
Acq: 19 Nov 2019 14:46

Tgt Ion: 76 Resp: 6573

Ion Ratio Lower Upper

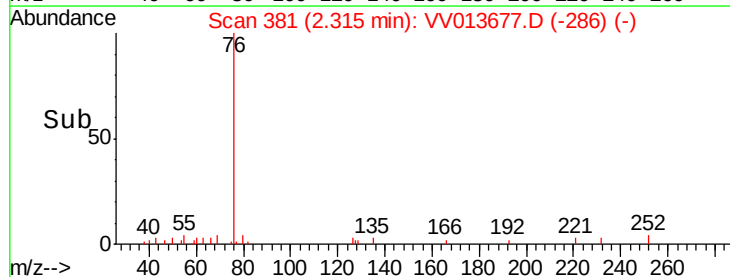
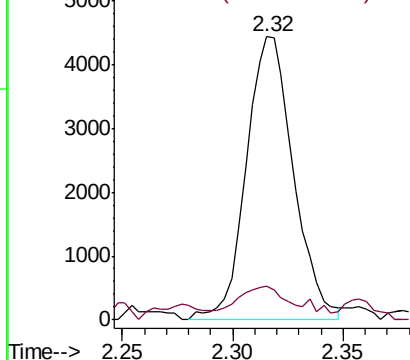
76 100

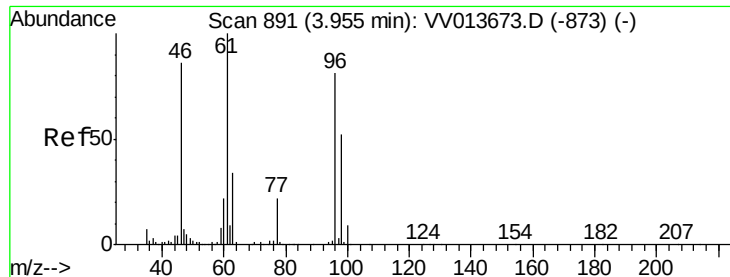
78 12.1 7.4 11.2#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



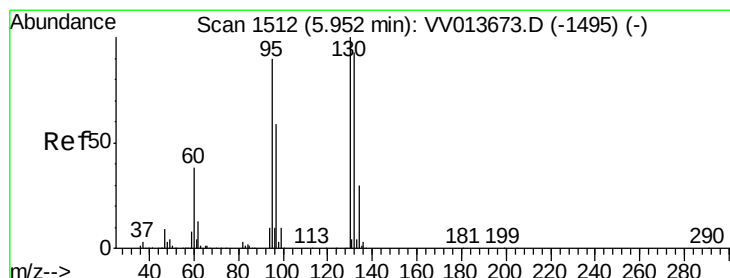
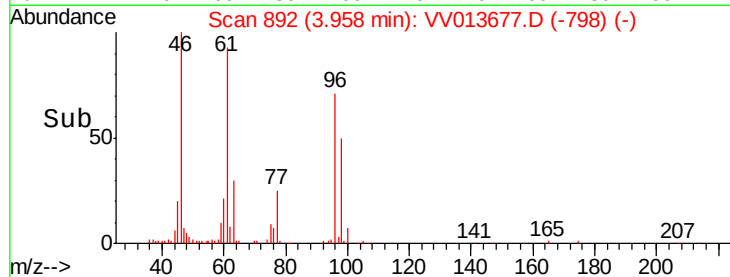
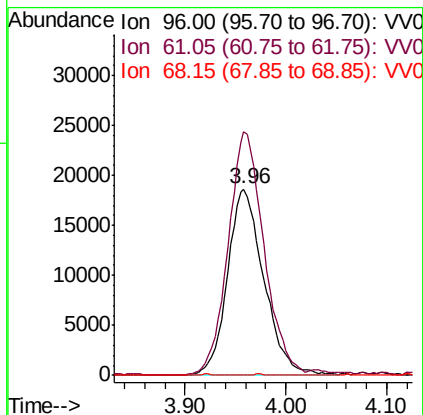
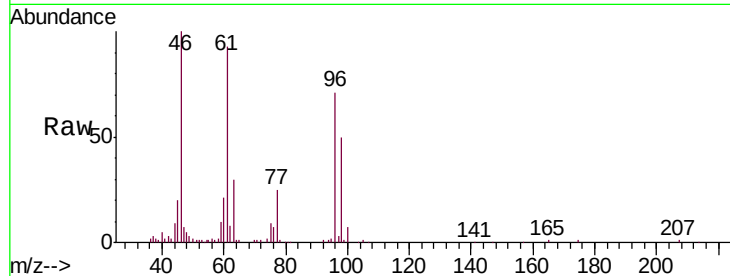


#22

cis-1,2-Dichloroethene
Concen: 1.766 ug/L
RT: 3.96 min Scan# 892
Delta R.T. 0.00 min
Lab File: VV013677.D
Acq: 19 Nov 2019 14:46

Instrument :
MSVOA_V
ClientSampleId :
GAQJ3

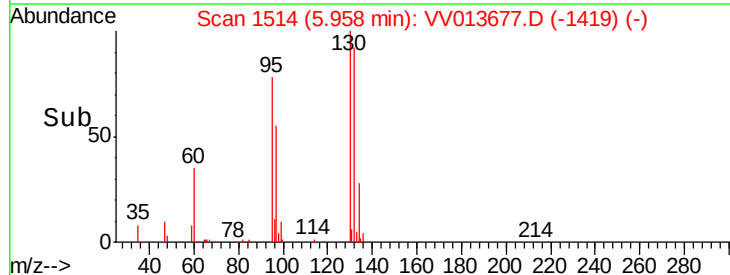
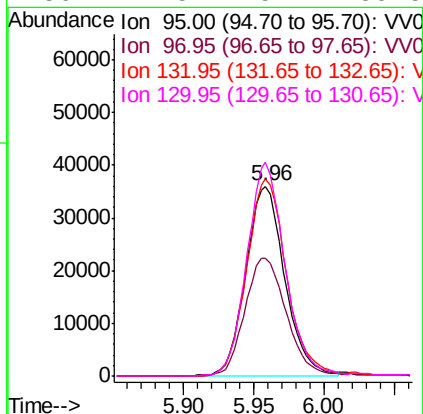
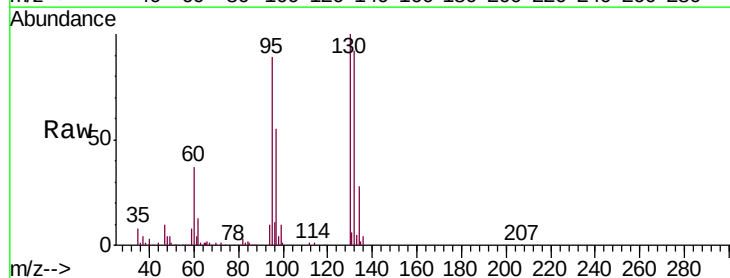
Tgt Ion: 96 Resp: 46881
Ion Ratio Lower Upper
96 100
61 130.8 87.7 162.9
68 0.0 0.1 0.3#

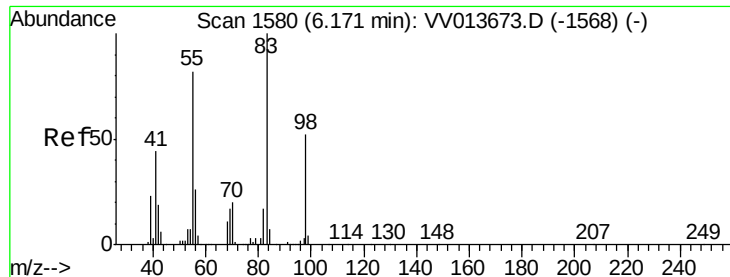


#34

Trichloroethene
Concen: 2.518 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VV013677.D
Acq: 19 Nov 2019 14:46

Tgt Ion: 95 Resp: 69824
Ion Ratio Lower Upper
95 100
97 62.3 44.8 83.2
132 103.7 72.9 135.3
130 112.5 75.1 139.5





#35

Methylcyclohexane

Concen: 0.858 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.06 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

GAQJ3

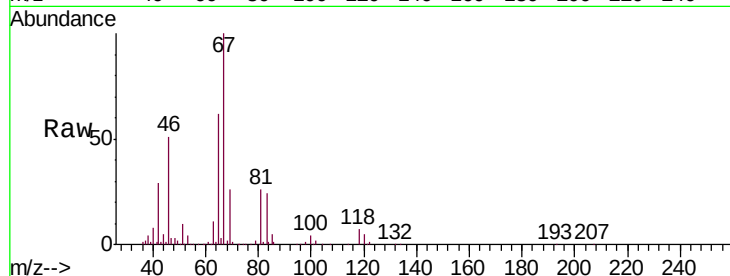
Tgt Ion: 83 Resp: 36301

Ion Ratio Lower Upper

83 100

55 0.8 64.1 96.1#

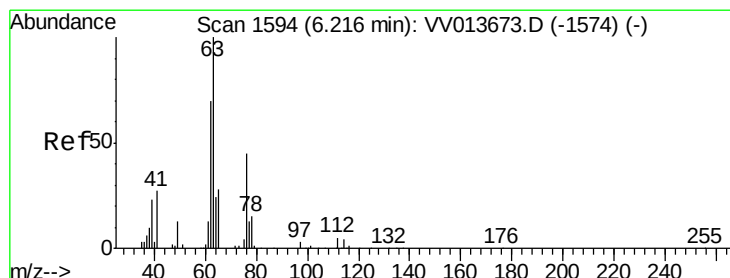
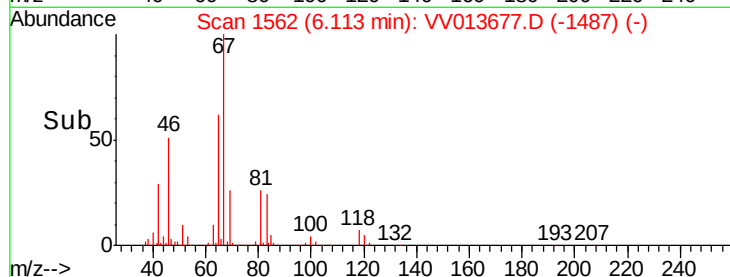
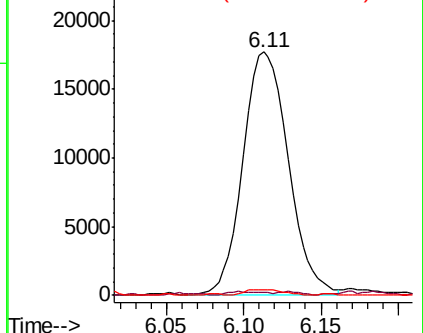
98 1.9 38.2 57.2#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.620 ug/L

RT: 6.11 min Scan# 1562

Delta R.T. -0.10 min

Lab File: VV013677.D

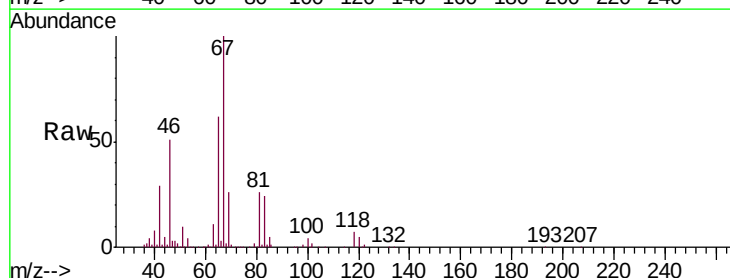
Acq: 19 Nov 2019 14:46

Tgt Ion: 63 Resp: 15378

Ion Ratio Lower Upper

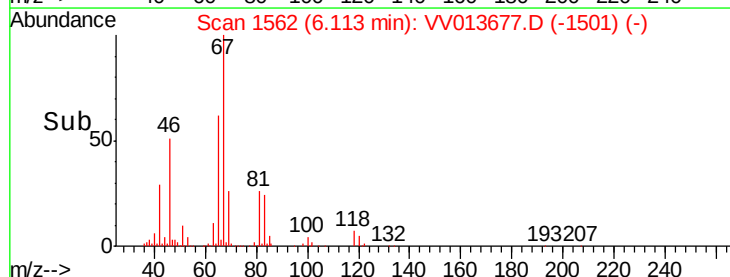
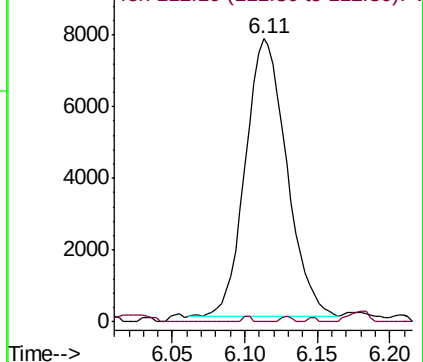
63 100

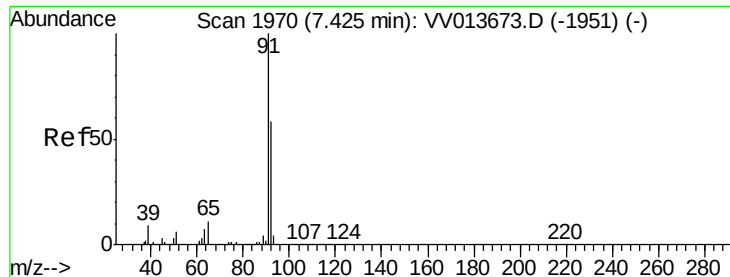
112 0.4 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#42

Toluene

Concen: 0.089 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

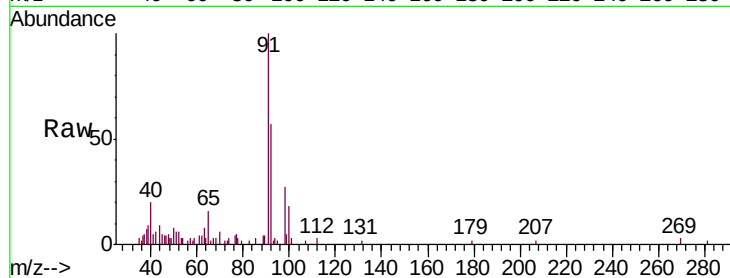
GAQJ3

Tgt Ion: 91 Resp: 9866

Ion Ratio Lower Upper

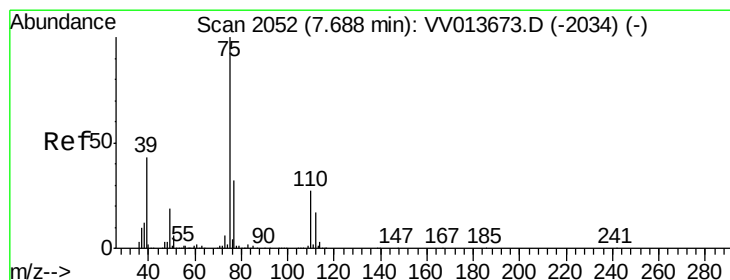
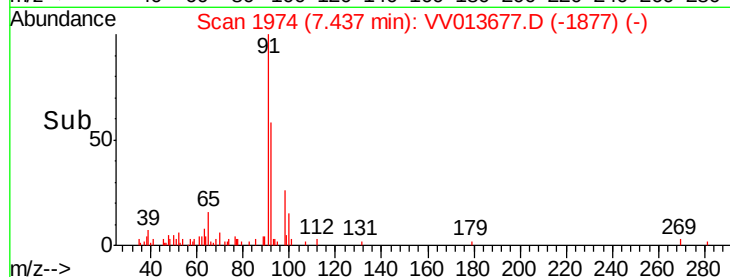
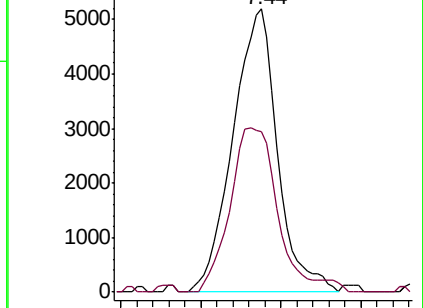
91 100

92 56.8 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV013677.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV013677.D (-1951) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.078 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013677.D

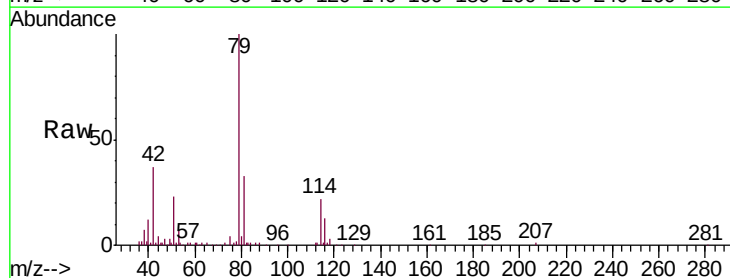
Acq: 19 Nov 2019 14:46

Tgt Ion: 75 Resp: 2192

Ion Ratio Lower Upper

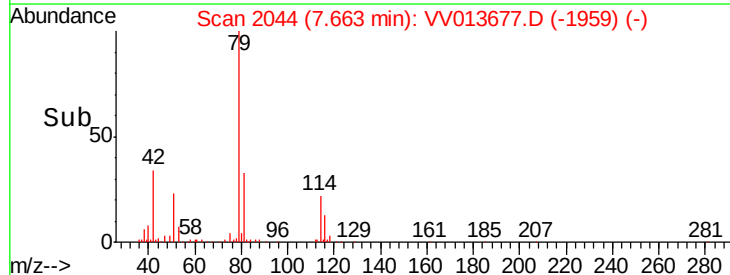
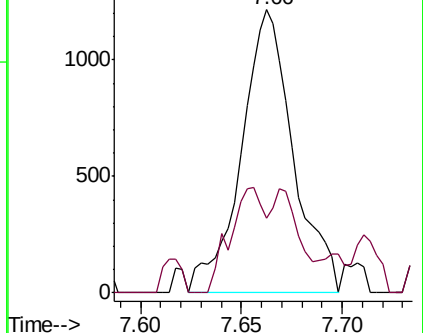
75 100

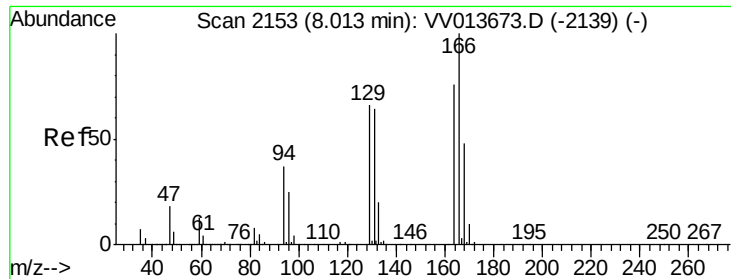
77 26.3 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV013677.D (-1959) (-)

Ion 77.05 (76.75 to 77.75): VV013677.D (-1959) (-)

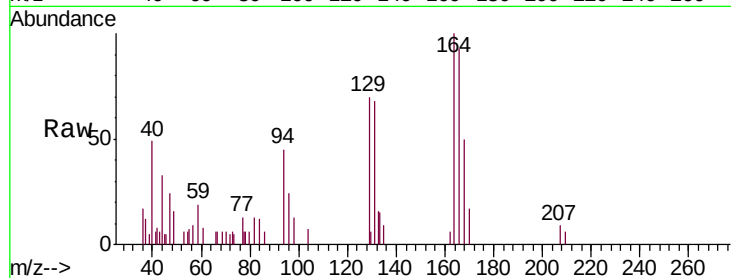




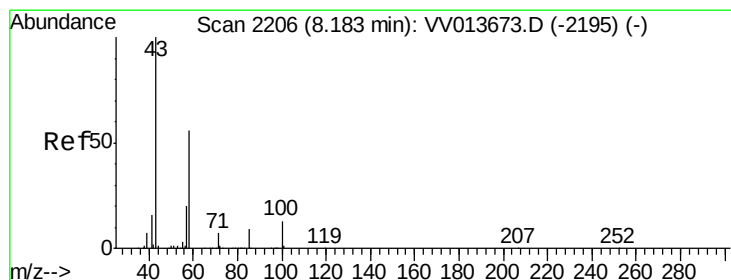
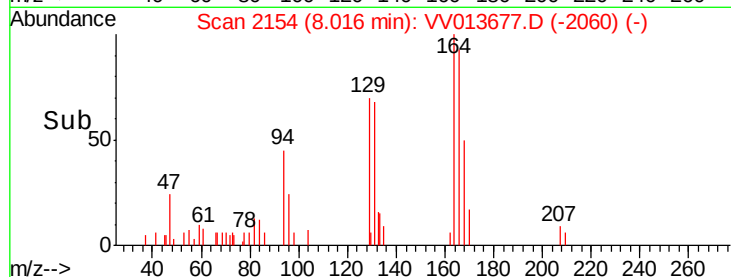
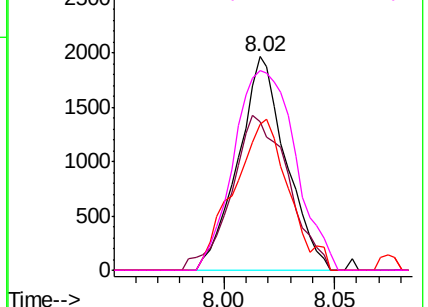
#47
Tetrachloroethene
Concen: 0.115 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. 0.00 min
Lab File: VV013677.D
Acq: 19 Nov 2019 14:46

Instrument :
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Tgt Ion:	164	Resp:	2956
Ion	Ratio	Lower	Upper
164	100		
129	69.7	59.1	109.9
131	68.2	58.9	109.5
166	93.3	87.8	163.2

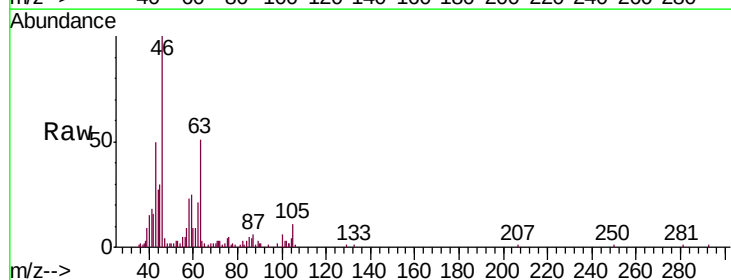


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 128.95 (128.65 to 129.65): V
Ion 130.95 (130.65 to 131.65): V
Ion 165.90 (165.60 to 166.60): V

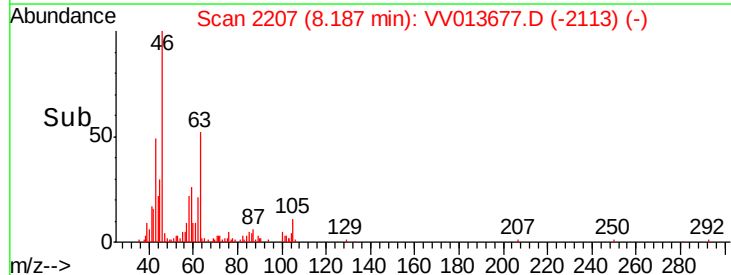
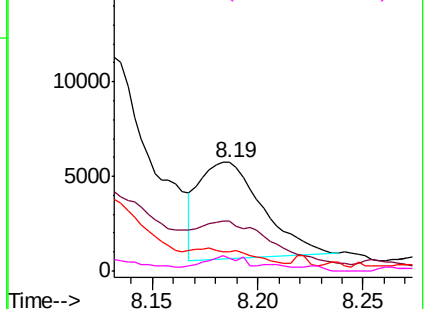


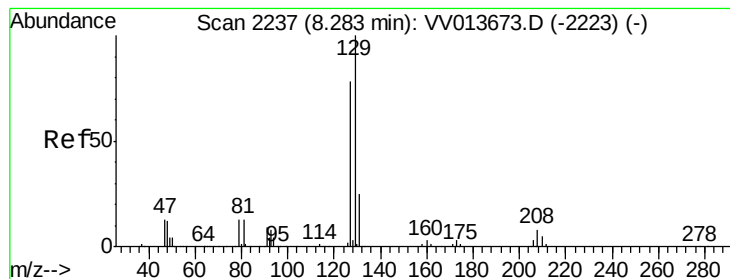
#48
2-Hexanone
Concen: 1.041 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV013677.D
Acq: 19 Nov 2019 14:46

Tgt Ion:	43	Resp:	10658
Ion	Ratio	Lower	Upper
43	100		
58	61.5	43.0	64.6
57	19.7	15.4	23.2
100	10.3	10.1	15.1



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





#49

Dibromochloromethane

Concen: 0.109 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.27 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

Instrument :

MSVOA_V

ClientSampleId :

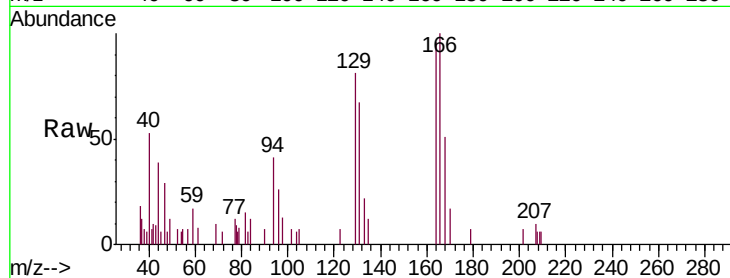
GAQJ3

Tgt Ion:129 Resp: 2467

Ion Ratio Lower Upper

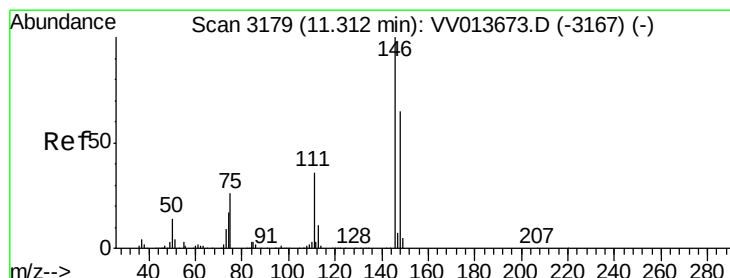
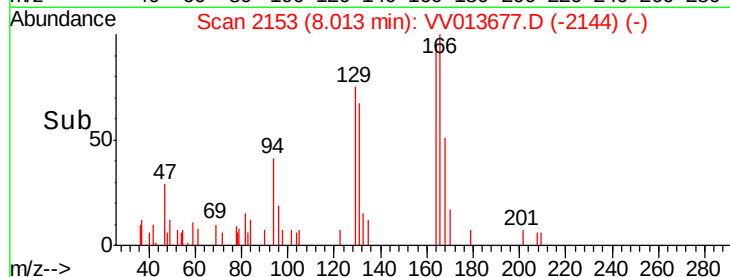
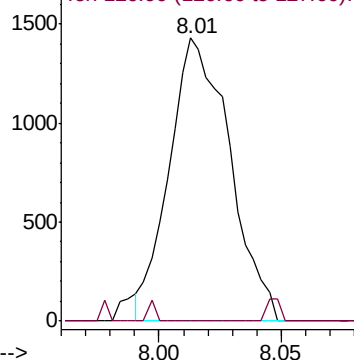
129 100

127 0.0 54.5 101.3#



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V



#63

1,4-Dichlorobenzene

Concen: 0.267 ug/L

RT: 11.32 min Scan# 3180

Delta R.T. 0.00 min

Lab File: VV013677.D

Acq: 19 Nov 2019 14:46

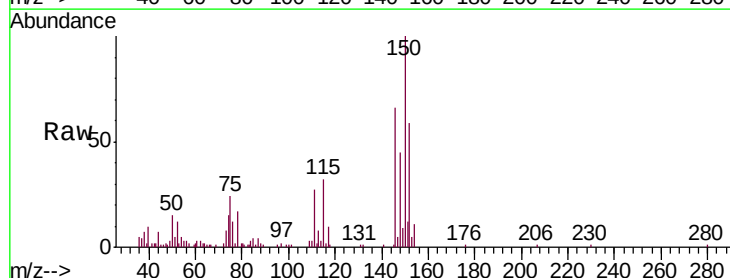
Tgt Ion:146 Resp: 14022

Ion Ratio Lower Upper

146 100

111 41.2 25.6 47.6

148 68.2 45.6 84.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

