

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052620\
 Data File : VV016207.D
 Acq On : 26 May 2020 21:58
 Operator : SY/MD
 Sample : L2753-16MS
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: May 27 03:17:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed May 27 03:06:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	96070	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	93445	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	42413	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	28749	4.66	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	93.20%
7) Chloroethane-d5	1.58	69	26364	4.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.20%
11) 1,1-Dichloroethene-d2	2.13	63	55538	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.80%
20) 2-Butanone-d5	3.94	46	81867	53.49	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	106.98%
24) Chloroform-d	4.38	84	59102	4.81	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	96.20%
26) 1,2-Dichloroethane-d4	5.06	65	32002	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.08	84	114504	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
36) 1,2-Dichloropropane-d6	6.10	67	36133	5.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.00%
41) Toluene-d8	7.34	98	104761	4.75	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.00%
45) trans-1,3-Dichloropropene-	7.65	79	12900	4.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	96.60%
48) 2-Hexanone-d5	8.12	63	60723	49.60	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	99.20%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25858	4.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	36827	5.20	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	104.00%

Target Compounds

					Ovalue
8) Chloroethane	1.60	64	3912	0.832	ug/L # 42
12) 1,1-Dichloroethene	2.14	96	25327	4.470	ug/L 96
13) Acetone	2.21	43	1992	2.103	ug/L 90
14) Carbon disulfide	2.31	76	1830	0.104	ug/L # 84
21) 2-Butanone	4.13	43	8047	4.775	ug/L # 57
22) cis-1,2-Dichloroethene	3.95	96	486	0.066	ug/L 81
25) Chloroform	4.42	83	1293	0.104	ug/L 97
27) 1,2-Dichloroethane	5.12	62	1284	0.158	ug/L # 79
33) Benzene	5.13	78	130331	4.847	ug/L 100
34) Trichloroethene	5.94	95	34373	4.907	ug/L 98
35) Methylcyclohexane	6.09	83	8610	0.729	ug/L # 19
37) 1,2-Dichloropropane	6.10	63	4377	0.664	ug/L # 88
39) cis-1,3-Dichloropropene	7.01	75	928	0.099	ug/L 86
42) Toluene	7.41	91	142510	4.860	ug/L 100
46) trans-1,3-Dichloropropene	7.64	75	604	0.078	ug/L # 69
49) Tetrachloroethene	8.00	164	3581	0.712	ug/L 90
51) Dibromochloromethane	8.00	129	3650	0.794	ug/L # 10

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed May 27 03:06:56 2020
Response via : Initial Calibration

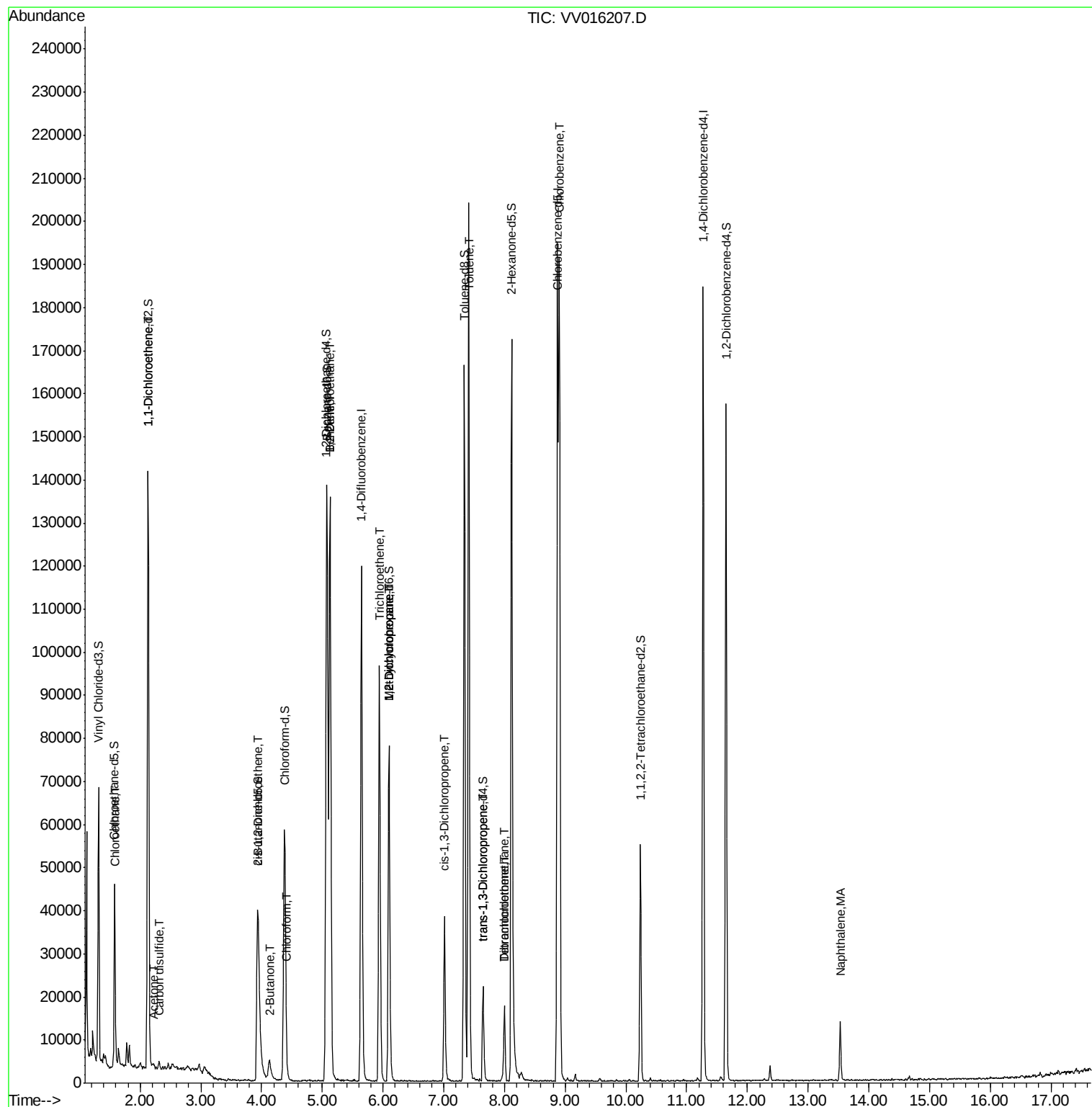
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
53) Chlorobenzene	8.90	112	93181	5.142	ug/L	97
70) Naphthalene	13.53	128	11220	0.639	ug/L	97

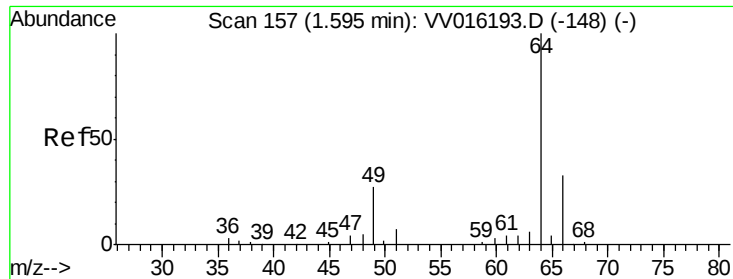
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.832 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016207.D

Acq: 26 May 2020 21:58

Instrument :

MSVOA_V

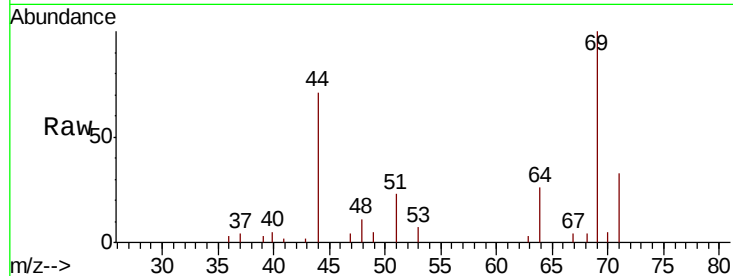
ClientSampleId :

Tot Ion: 64 Resp: 3912

Ion Ratio Lower Upper

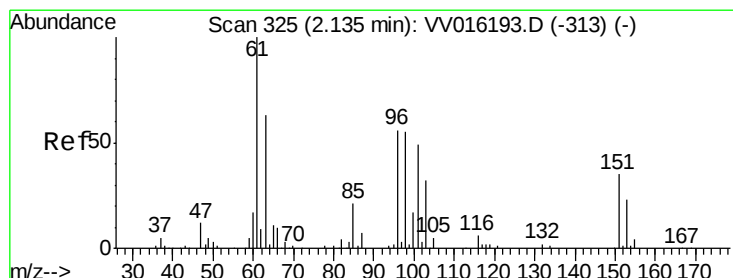
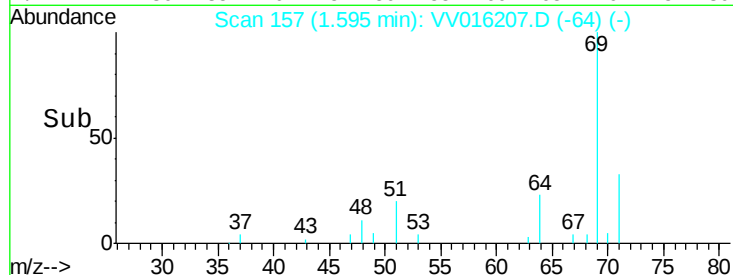
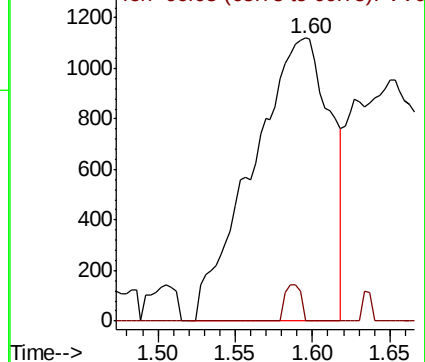
64 100

66 0.0 22.9 42.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#12

1,1-Dichloroethene

Concen: 4.470 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV016207.D

Acq: 26 May 2020 21:58

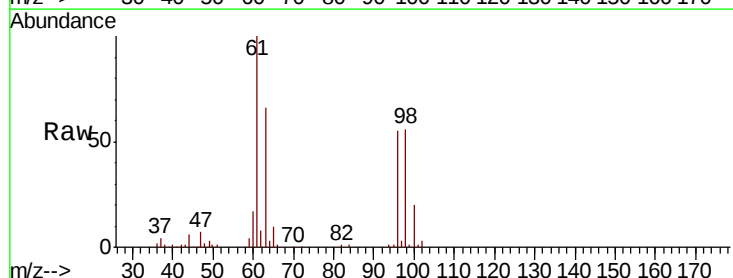
Tgt Ion: 96 Resp: 25327

Ion Ratio Lower Upper

96 100

61 182.1 124.9 231.9

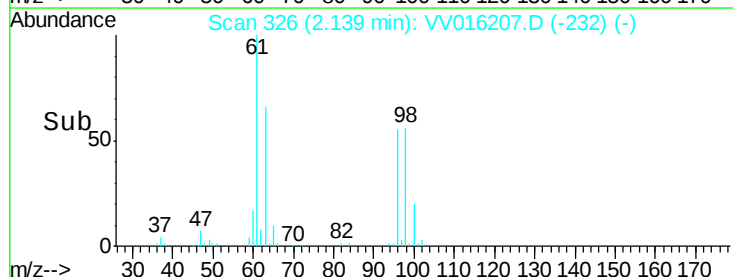
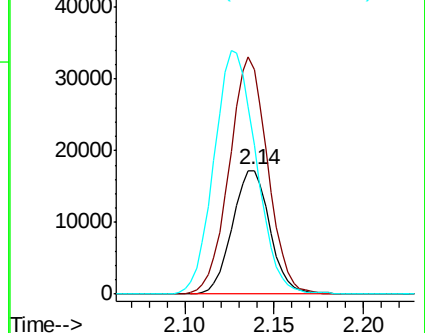
63 120.4 80.4 149.2

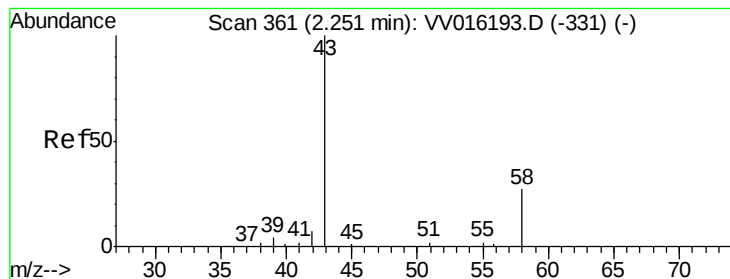


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 2.103 ug/L

RT: 2.21 min Scan# 349

Delta R.T. -0.04 min

Lab File: VV016207.D

Acq: 26 May 2020 21:58

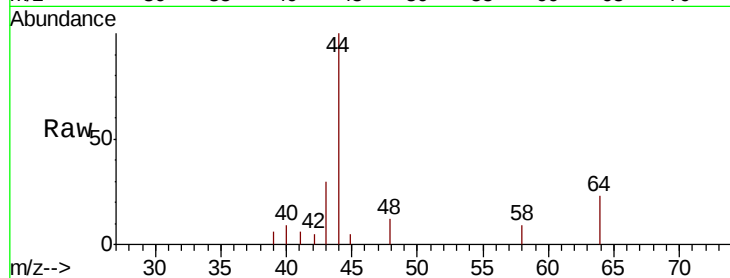
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 43 Resp: 1992

Ion Ratio Lower Upper

43 100

58 19.5 0.0 48.8



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

600

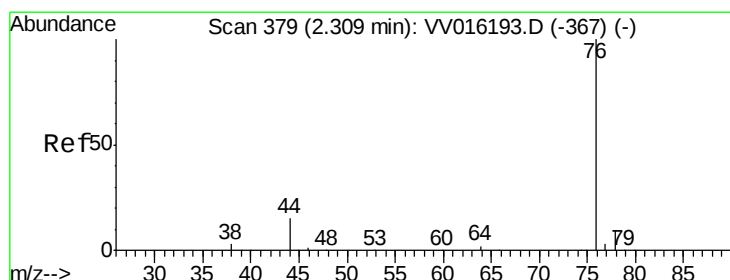
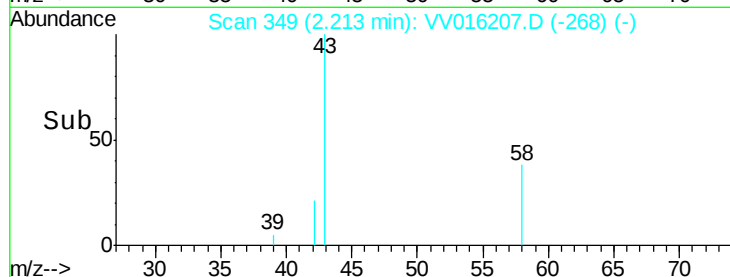
400

200

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.104 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV016207.D

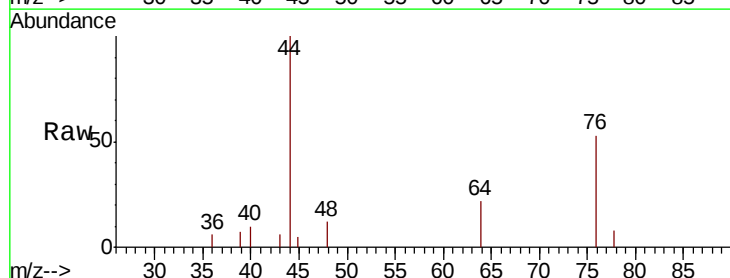
Acq: 26 May 2020 21:58

Tgt Ion: 76 Resp: 1830

Ion Ratio Lower Upper

76 100

78 14.9 7.4 11.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

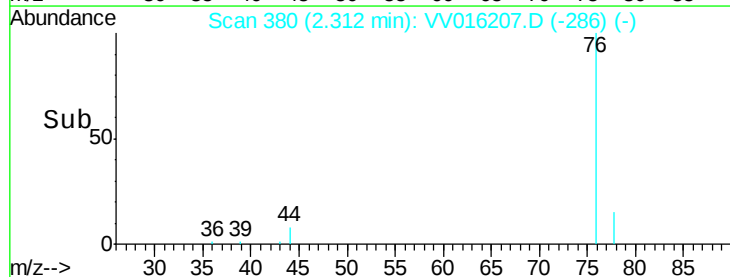
1000

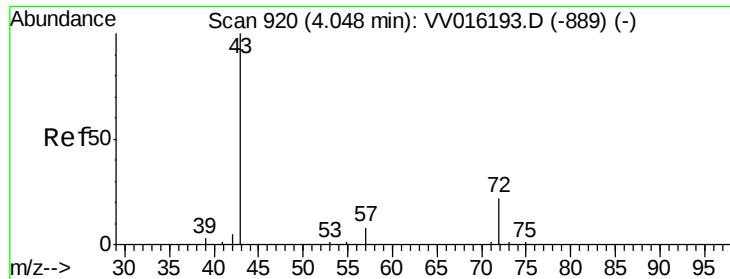
500

0

Time-->

2.30 2.35





#21

2-Butanone

Concen: 4.775 ug/L

RT: 4.13 min Scan# 945

Delta R.T. 0.08 min

Lab File: VV016207.D

Acq: 26 May 2020 21:58

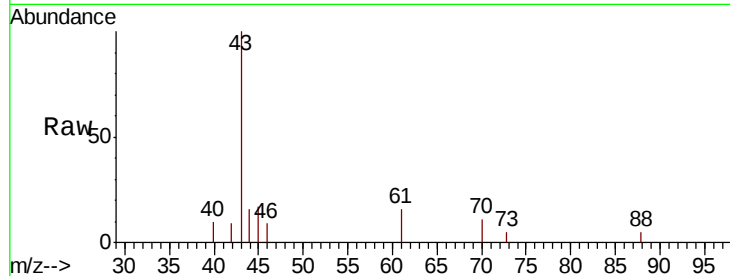
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 8047

Ion Ratio Lower Upper

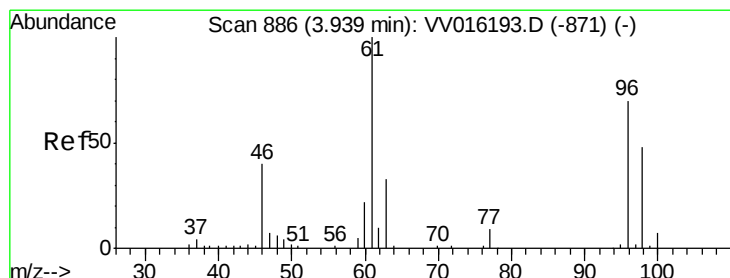
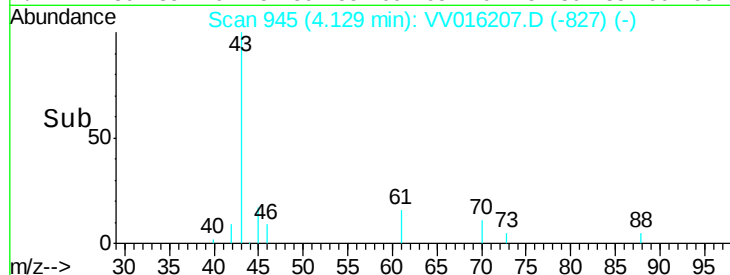
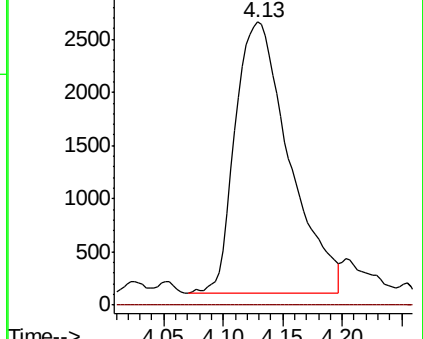
43 100

72 0.0 9.7 28.9#



Abundance Ion 43.00 (42.70 to 43.70): VV016207.D (-827) (-)

Ion 72.00 (71.70 to 72.70): VV016207.D (-827) (-)



#22

cis-1,2-Dichloroethene

Concen: 0.066 ug/L

RT: 3.95 min Scan# 888

Delta R.T. 0.01 min

Lab File: VV016207.D

Acq: 26 May 2020 21:58

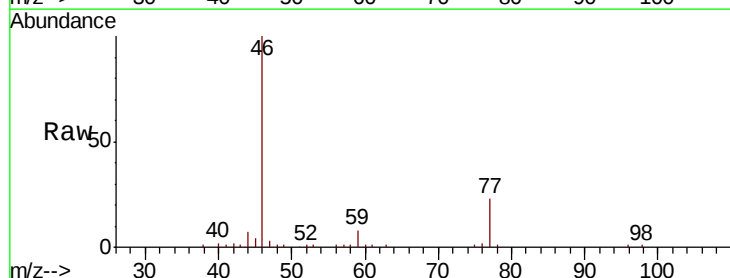
Tgt Ion: 96 Resp: 486

Ion Ratio Lower Upper

96 100

61 118.7 99.7 185.1

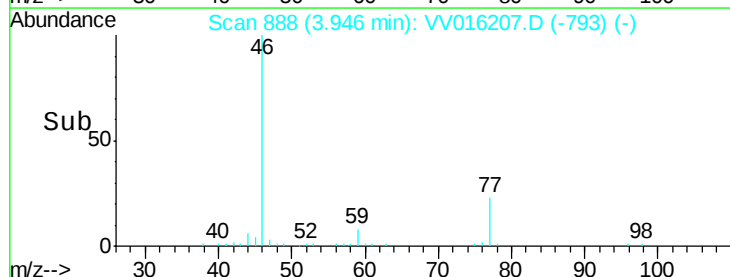
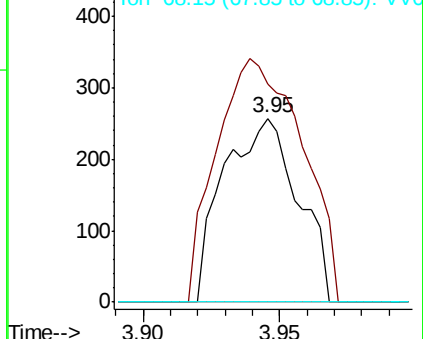
68 0.0 0.0 0.0

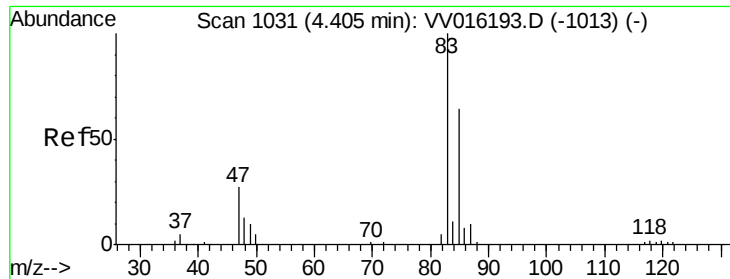


Abundance Ion 96.00 (95.70 to 96.70): VV016207.D (-793) (-)

Ion 61.05 (60.75 to 61.75): VV016207.D (-793) (-)

Ion 68.15 (67.85 to 68.85): VV016207.D (-793) (-)

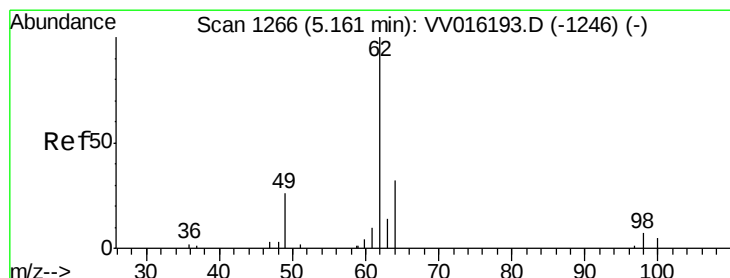
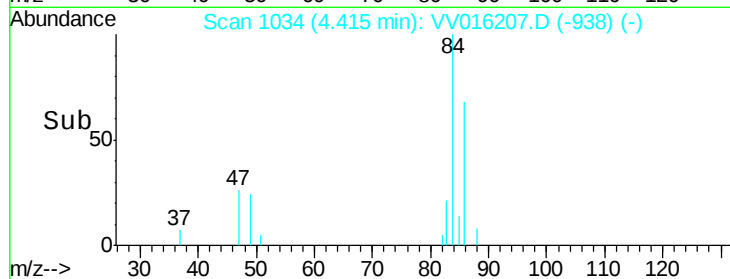
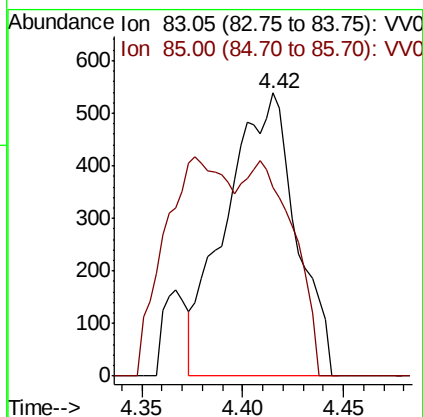
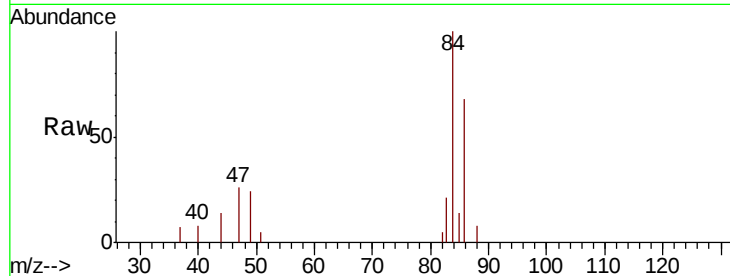




#25
Chloroform
Concen: 0.104 ug/L
RT: 4.42 min Scan# 1034
Delta R.T. 0.01 min
Lab File: VV016207.D
Acq: 26 May 2020 21:58

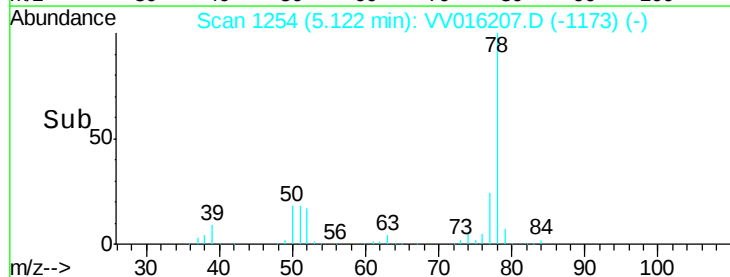
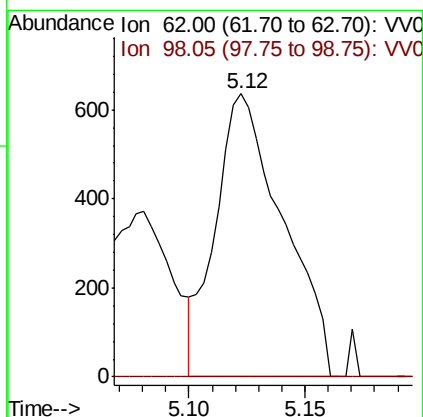
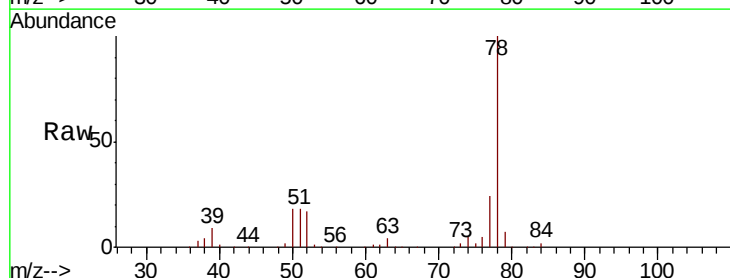
Instrument :
MSVOA_V
ClientSampleId :

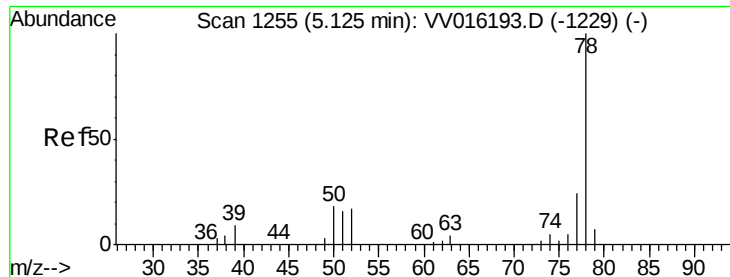
Tot Ion: 83 Resp: 1293
Ion Ratio Lower Upper
83 100
85 66.9 45.1 83.7



#27
1,2-Dichloroethane
Concen: 0.158 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. -0.04 min
Lab File: VV016207.D
Acq: 26 May 2020 21:58

Tgt Ion: 62 Resp: 1284
Ion Ratio Lower Upper
62 100
98 0.0 5.7 8.5#





#33

Benzene

Concen: 4.847 ug/L

RT: 5.13 min Scan# 1255

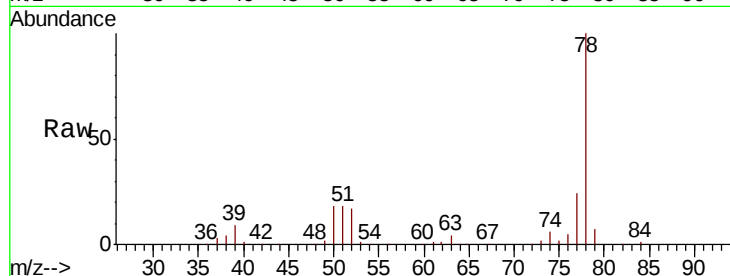
Delta R.T. 0.00 min

Lab File: VV016207.D

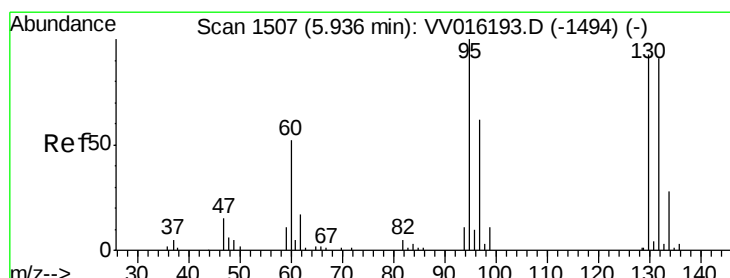
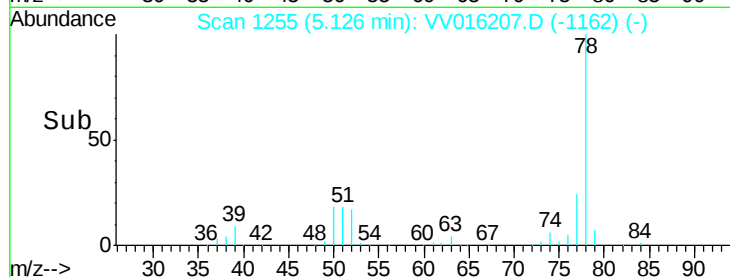
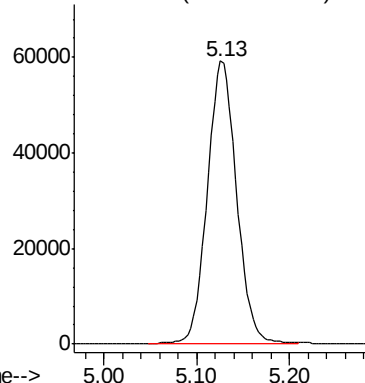
Acq: 26 May 2020 21:58

Instrument :
MSVOA_V
ClientSampled :

Tgt Ion: 78 Resp: 130331



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 4.907 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016207.D

Acq: 26 May 2020 21:58

Tgt Ion: 95 Resp: 34373

Ion	Ratio	Lower	Upper
95	100		
97	63.0	43.6	81.0
132	87.3	63.9	118.7
130	92.3	65.2	121.0

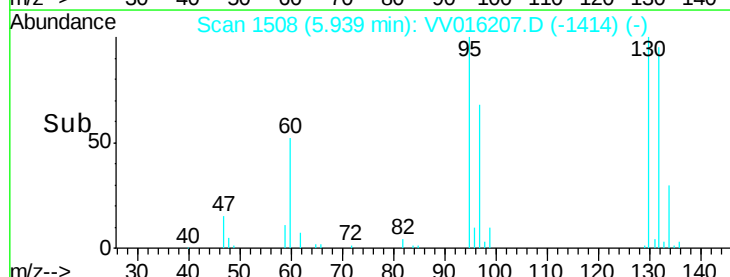
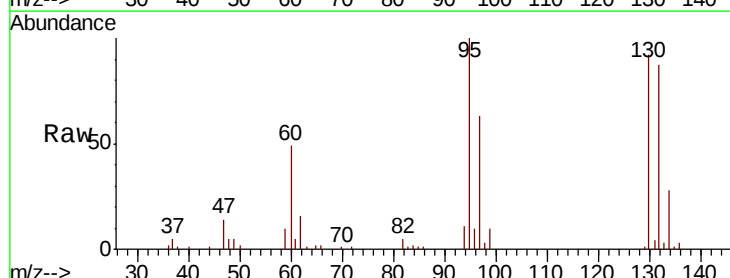
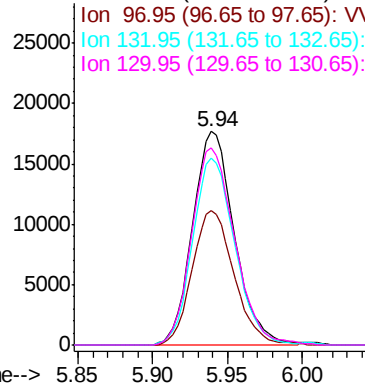
Ion 95.00 (94.70 to 95.70): VV0

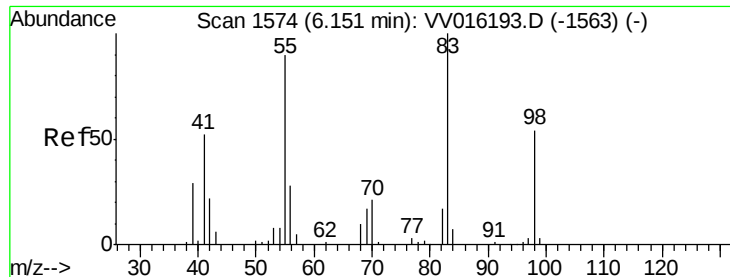
Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

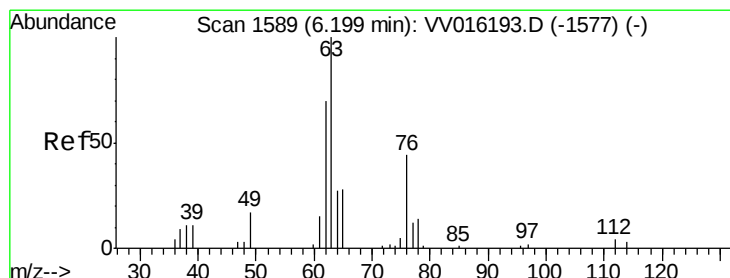
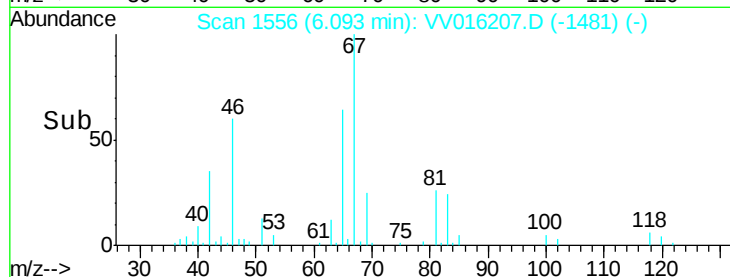
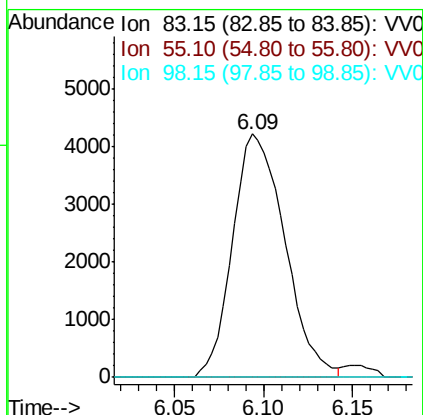
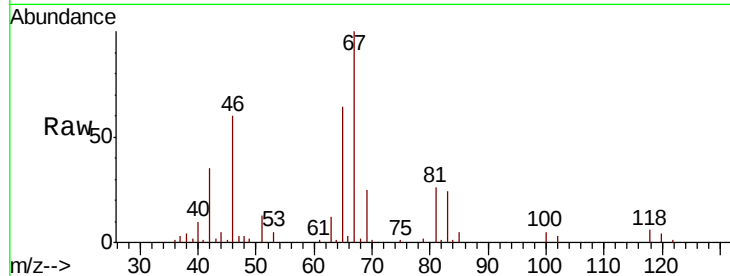




#35
Methvlcvclohexane
Concen: 0.729 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV016207.D
Acq: 26 May 2020 21:58

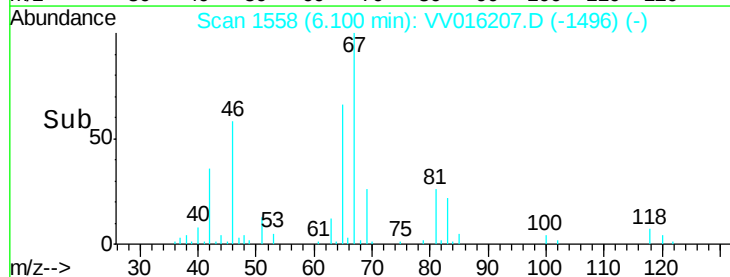
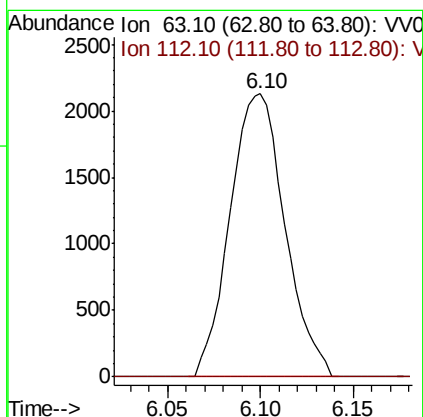
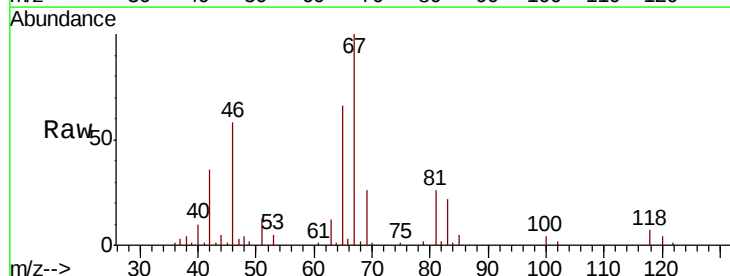
Instrument :
MSVOA_V
ClientSampleId :

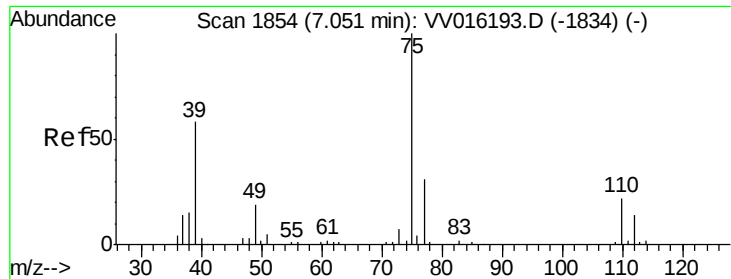
Tot Ion: 83 Resp: 8610
Ion Ratio Lower Upper
83 100
55 0.0 65.4 98.0#
98 6.6 39.3 58.9#



#37
1,2-Dichloropropane
Concen: 0.664 ug/L
RT: 6.10 min Scan# 1558
Delta R.T. -0.10 min
Lab File: VV016207.D
Acq: 26 May 2020 21:58

Tgt Ion: 63 Resp: 4377
Ion Ratio Lower Upper
63 100
112 0.0 3.1 4.7#

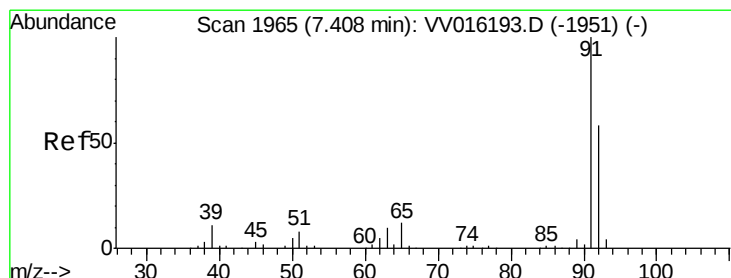
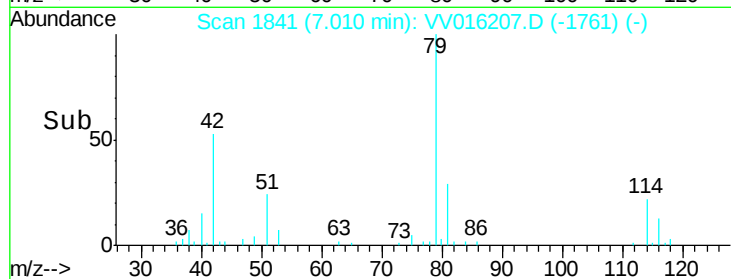
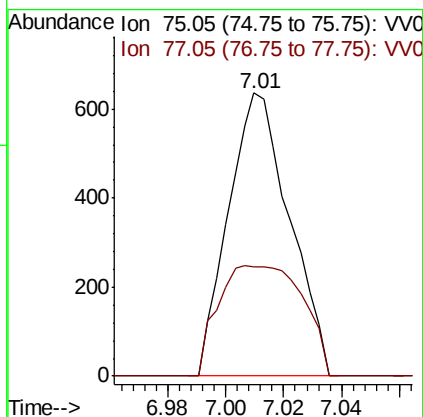
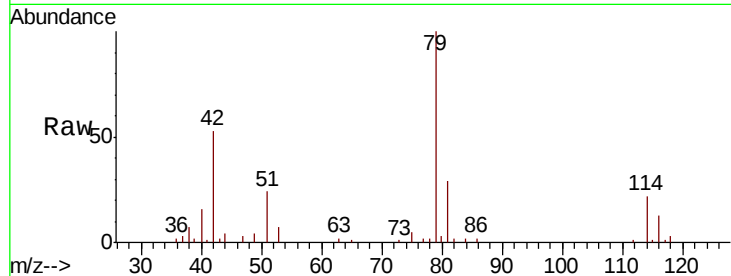




#39
 cis-1,3-Dichloropropene
 Concen: 0.099 ug/L
 RT: 7.01 min Scan# 1841
 Delta R.T. -0.04 min
 Lab File: VV016207.D
 Acq: 26 May 2020 21:58

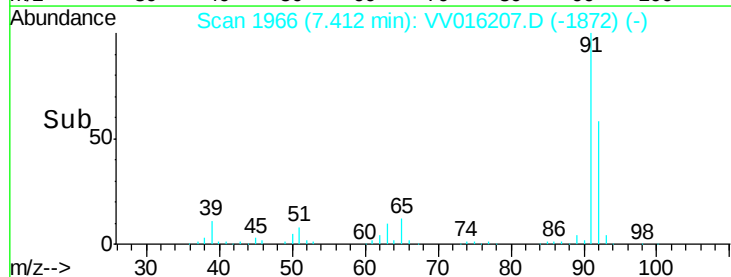
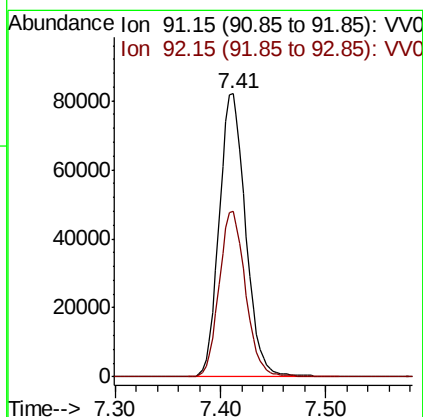
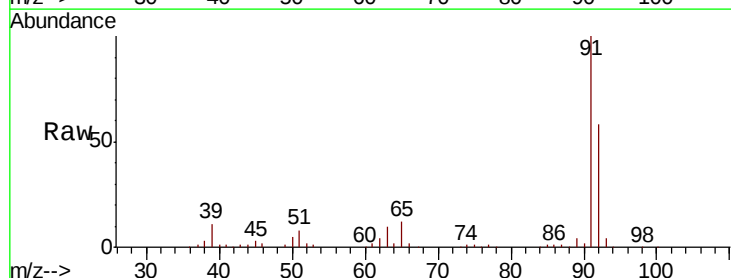
Instrument :
 MSVOA_V
 ClientSampleId :

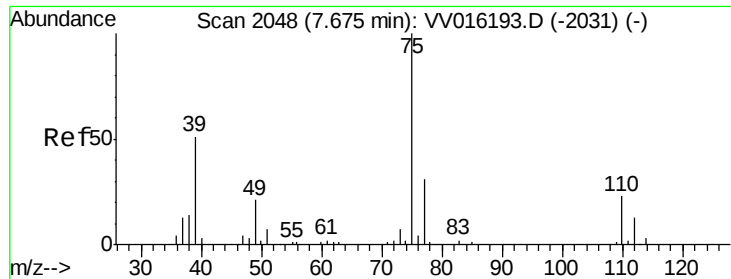
Tot Ion: 75 Resp: 928
 Ion Ratio Lower Upper
 75 100
 77 38.7 21.7 40.3



#42
 Toluene
 Concen: 4.860 ug/L
 RT: 7.41 min Scan# 1966
 Delta R.T. 0.00 min
 Lab File: VV016207.D
 Acq: 26 May 2020 21:58

Tgt Ion: 91 Resp: 142510
 Ion Ratio Lower Upper
 91 100
 92 58.3 40.9 76.0

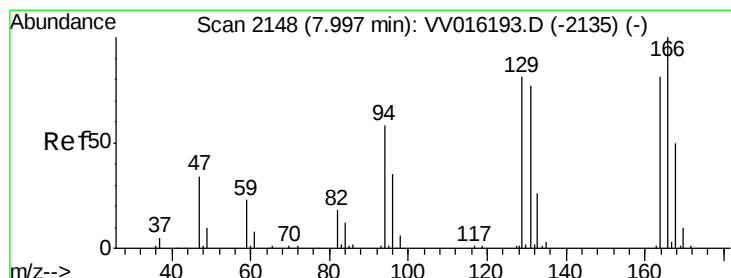
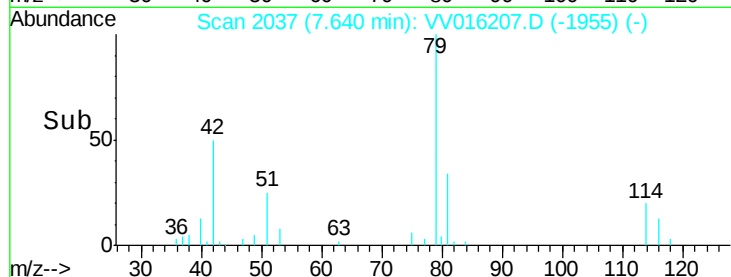
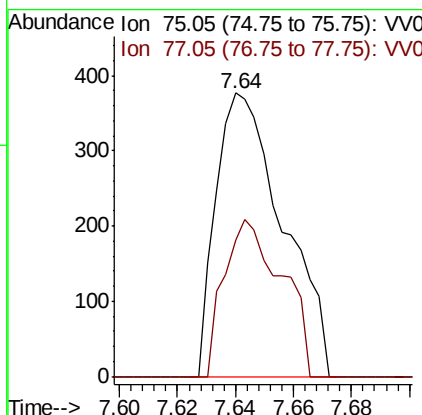
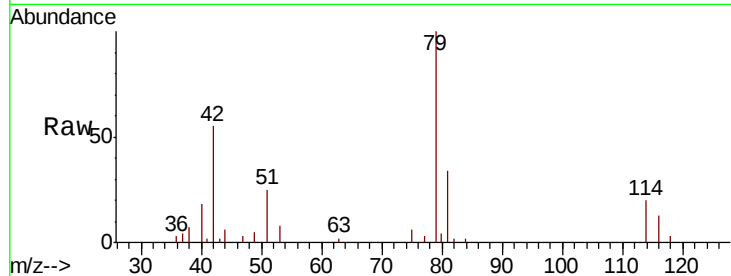




#46
trans-1,3-Dichloropropene
Concen: 0.078 ug/L
RT: 7.64 min Scan# 2037
Delta R.T. -0.04 min
Lab File: VV016207.D
Acq: 26 May 2020 21:58

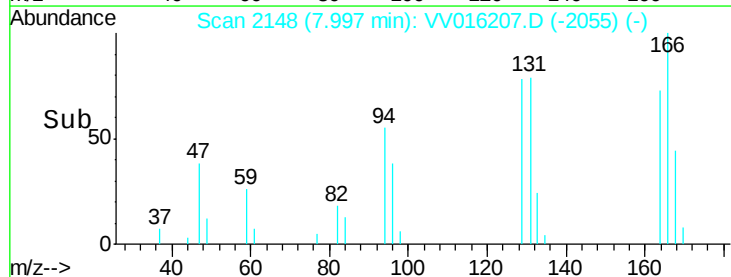
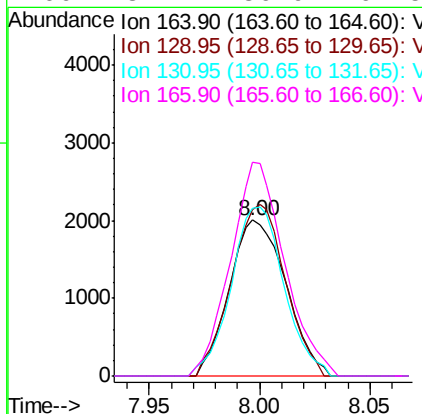
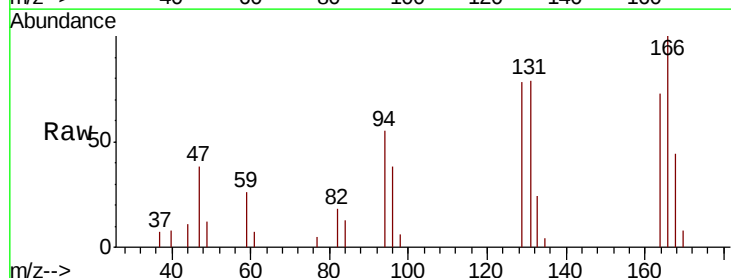
Instrument :
MSVOA_V
ClientSampleId :

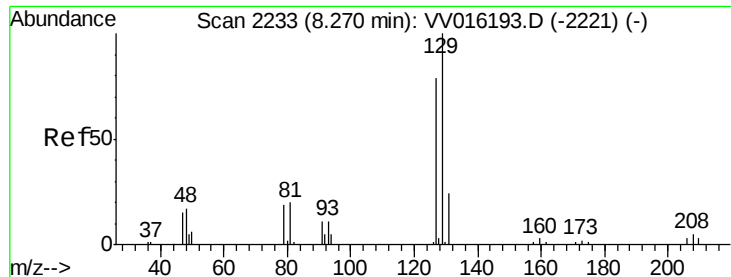
Tot Ion: 75 Resp: 604
Ion Ratio Lower Upper
75 100
77 48.0 21.7 40.3#



#49
Tetrachloroethene
Concen: 0.712 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV016207.D
Acq: 26 May 2020 21:58

Tgt Ion:164 Resp: 3581
Ion Ratio Lower Upper
164 100
129 106.5 70.7 131.3
131 107.9 66.6 123.8
166 137.1 86.9 161.5

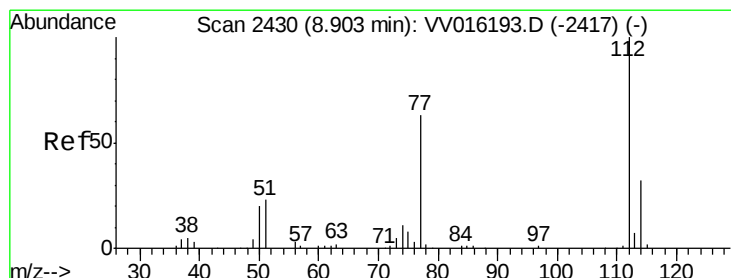
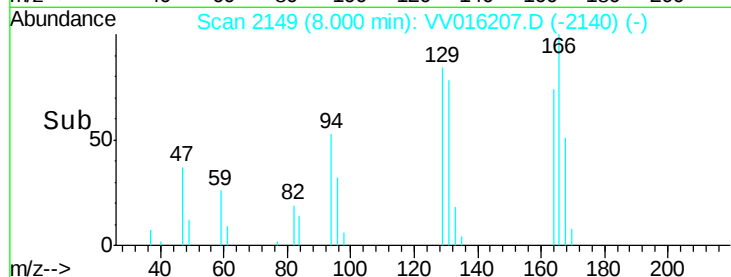
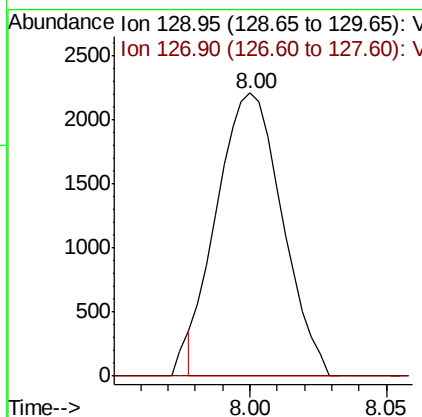
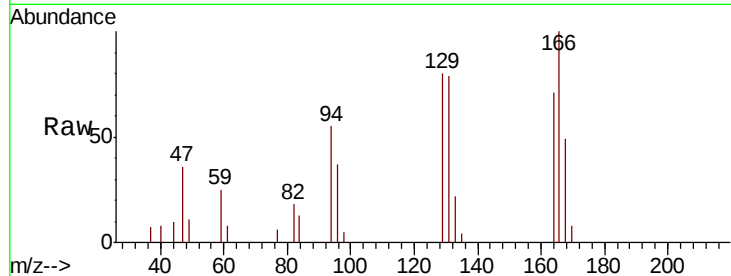




#51
Dibromochloromethane
Concen: 0.794 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. -0.27 min
Lab File: VV016207.D
Acq: 26 May 2020 21:58

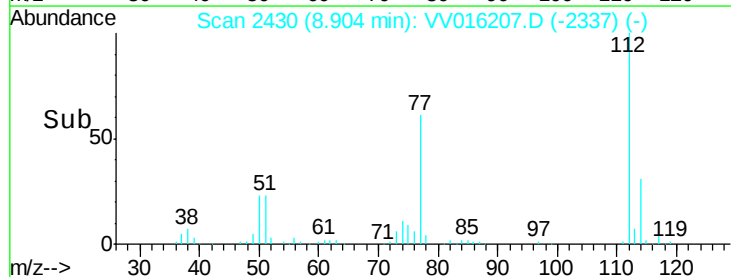
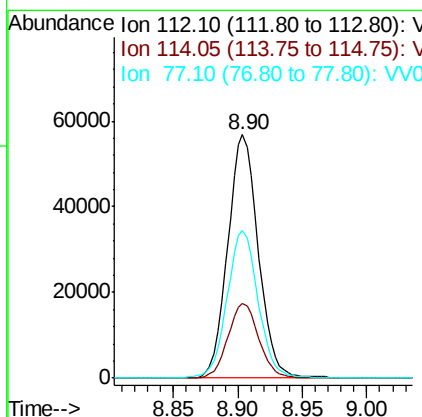
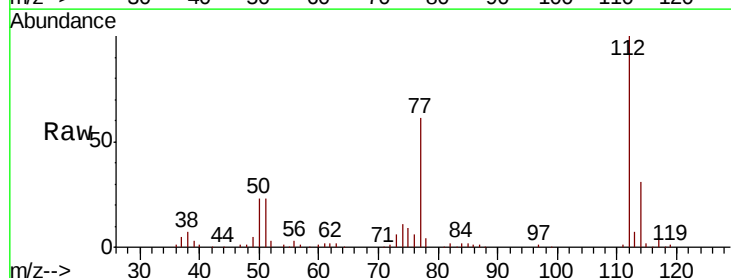
Instrument :
MSVOA_V
ClientSampleId :

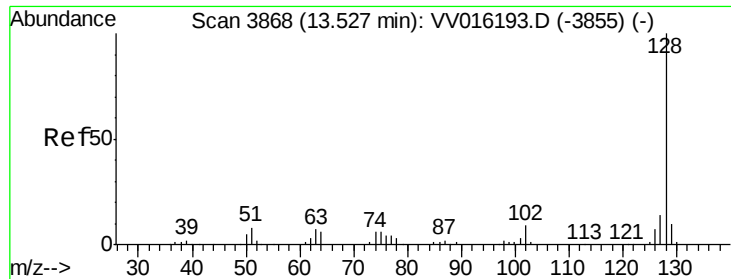
Tot Ion:129 Resp: 3650
Ion Ratio Lower Upper
129 100
127 0.0 55.2 102.4#



#53
Chlorobenzene
Concen: 5.142 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016207.D
Acq: 26 May 2020 21:58

Tgt Ion:112 Resp: 93181
Ion Ratio Lower Upper
112 100
114 30.6 22.3 41.3
77 60.8 50.7 76.1





#70

Naphthalene

Concen: 0.639 ug/L

RT: 13.53 min Scan# 3869

Delta R.T. 0.00 min

Lab File: VV016207.D

Acq: 26 May 2020 21:58

Instrument :

MSVOA_V

ClientSampleId :

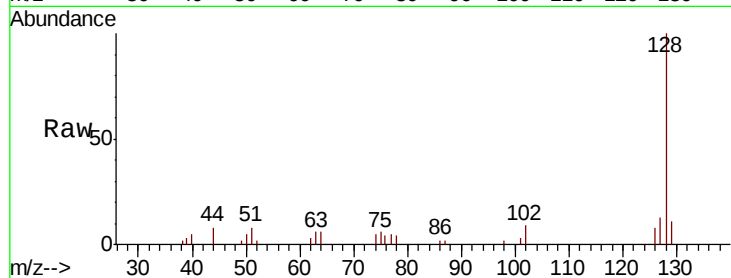
Tot Ion:128 Resp: 11220

Ion Ratio Lower Upper

128 100

129 9.0 8.6 13.0

127 12.6 10.6 15.8



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

