

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV041720\
 Data File : VV015558.D
 Acq On : 17 Apr 2020 16:25
 Operator : SY/MD
 Sample : L2333-07
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Apr 18 00:41:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR040920WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Apr 18 00:37:52 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	94330	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	88762	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	42709	5.00	ug/L	0.00

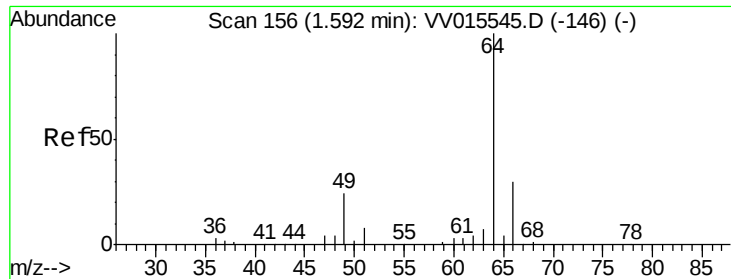
System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	21826	4.46	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	89.20%
7) Chloroethane-d5	1.58	69	22709	5.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	100.80%
11) 1,1-Dichloroethene-d2	2.12	63	34945	3.39	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	67.80%
20) 2-Butanone-d5	3.92	46	70389	51.22	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.44%
24) Chloroform-d	4.38	84	53717	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.06	65	29396	5.03	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	100.60%
32) Benzene-d6	5.08	84	98335	4.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.10	67	31231	5.09	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	101.80%
41) Toluene-d8	7.34	98	88008	4.68	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.60%
43) trans-1,3-Dichloropropene-	7.64	79	12027	4.51	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	90.20%
46) 2-Hexanone-d5	8.11	63	54771	42.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	85.16%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	18817	3.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.40%
64) 1,2-Dichlorobenzene-d4	11.65	152	33247	4.85	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
8) Chloroethane	1.60	64	577	0.116	ug/L #	43
13) Acetone	2.36	43	3328	3.428	ug/L	75
14) Carbon disulfide	2.31	76	9275	0.449	ug/L	98
15) Methyl Acetate	2.38	43	6581	2.291	ug/L #	57
16) Methylene chloride	2.52	84	695	0.100	ug/L	97
25) Chloroform	4.40	83	95695	7.434	ug/L	99
35) Methylcyclohexane	6.10	83	7822	0.649	ug/L #	23
37) 1,2-Dichloropropane	6.09	63	3858	0.586	ug/L #	86
38) Bromodichloromethane	6.54	83	5204	0.592	ug/L	99
39) cis-1,3-Dichloropropene	7.01	75	1104	0.109	ug/L #	79
42) Toluene	7.41	91	4057	0.141	ug/L	94
44) trans-1,3-Dichloropropene	7.65	75	533	0.062	ug/L	87
48) 2-Hexanone	8.17	43	2367	0.783	ug/L #	92
53) m,p-xylene	9.16	106	1010	0.081	ug/L	80

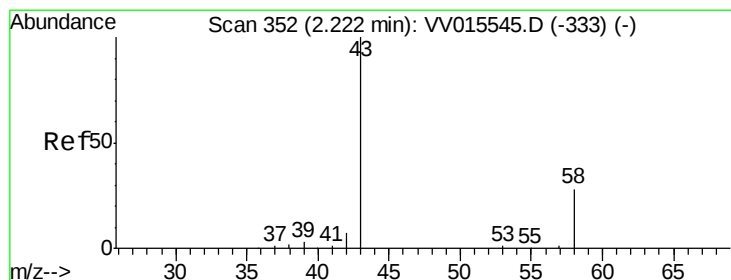
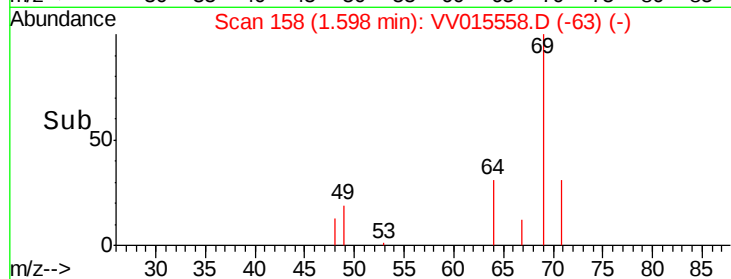
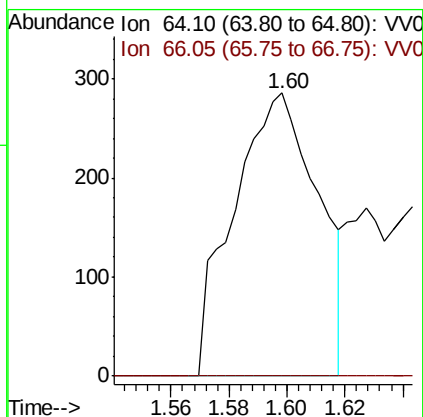
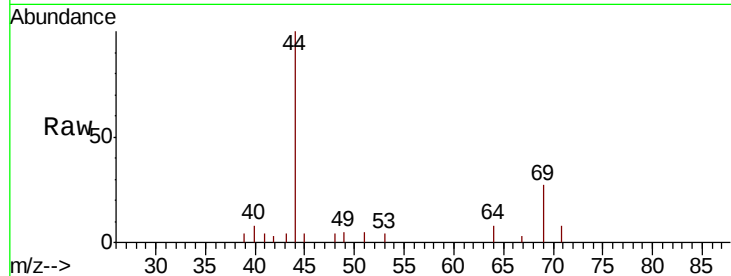
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#8
Chloroethane
Concen: 0.116 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.01 min
Lab File: VV015558.D
Acq: 17 Apr 2020 16:25

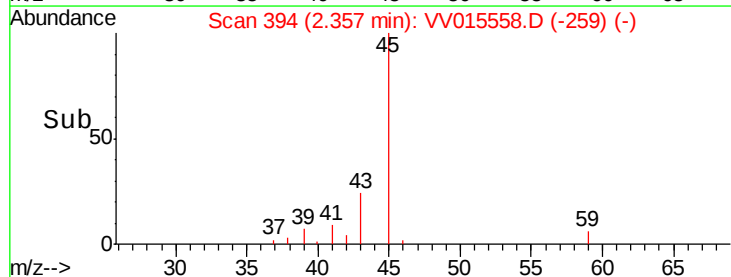
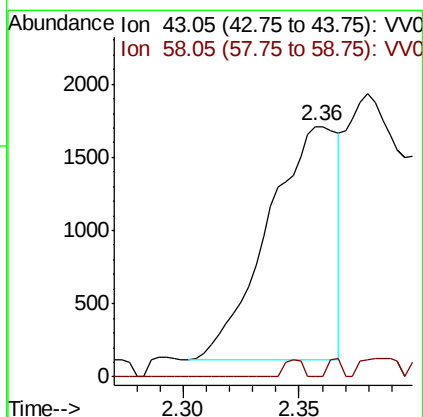
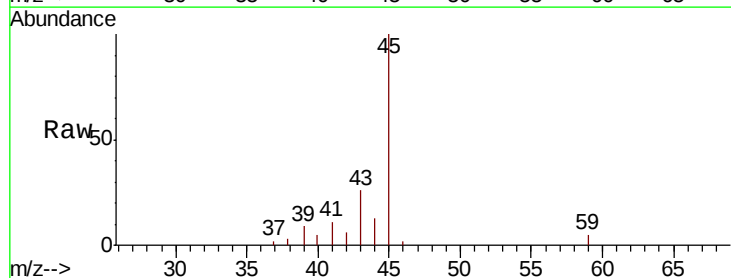
Instrument :
MSVOA_V
ClientSampleId :

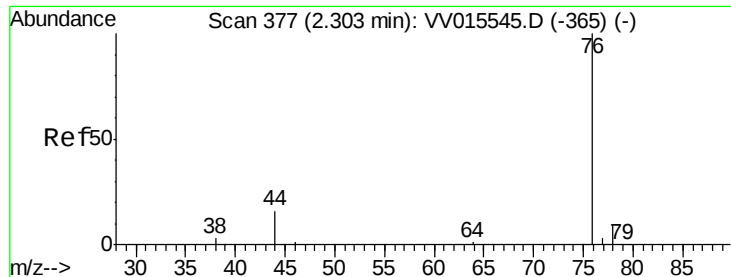
Tot Ion: 64 Resp: 577
Ion Ratio Lower Upper
64 100
66 0.0 22.3 41.5#



#13
Acetone
Concen: 3.428 ug/L
RT: 2.36 min Scan# 394
Delta R.T. 0.13 min
Lab File: VV015558.D
Acq: 17 Apr 2020 16:25

Tgt Ion: 43 Resp: 3328
Ion Ratio Lower Upper
43 100
58 1.4 0.0 22.2





#14

Carbon disulfide

Concen: 0.449 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015558.D

Acq: 17 Apr 2020 16:25

Instrument :

MSVOA_V

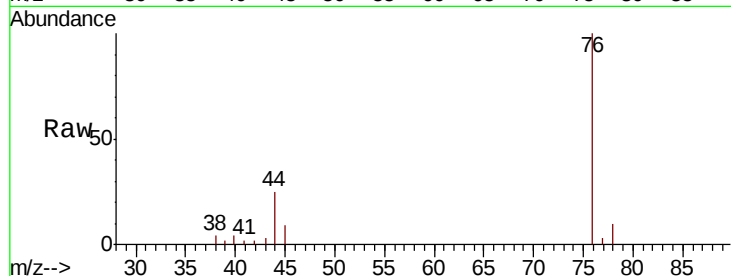
ClientSampleId :

Tot Ion: 76 Resp: 9275

Ion Ratio Lower Upper

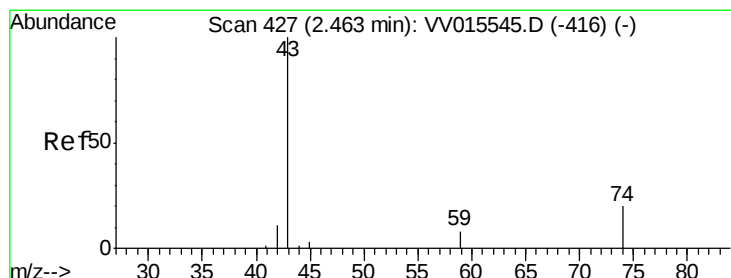
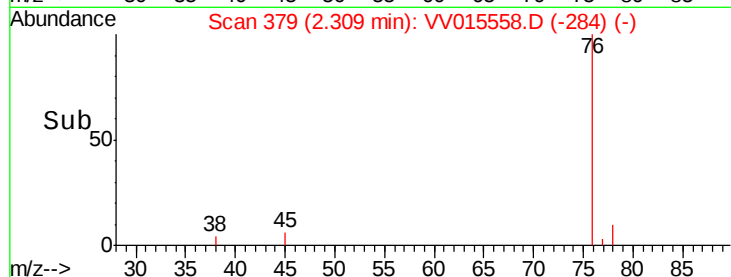
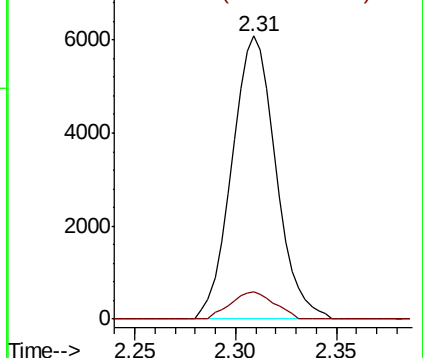
76 100

78 9.7 7.3 10.9



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 2.291 ug/L

RT: 2.38 min Scan# 401

Delta R.T. -0.08 min

Lab File: VV015558.D

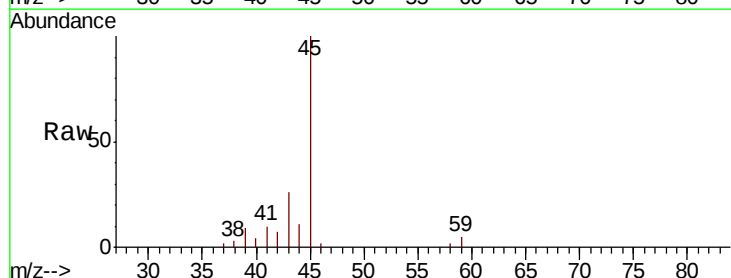
Acq: 17 Apr 2020 16:25

Tgt Ion: 43 Resp: 6581

Ion Ratio Lower Upper

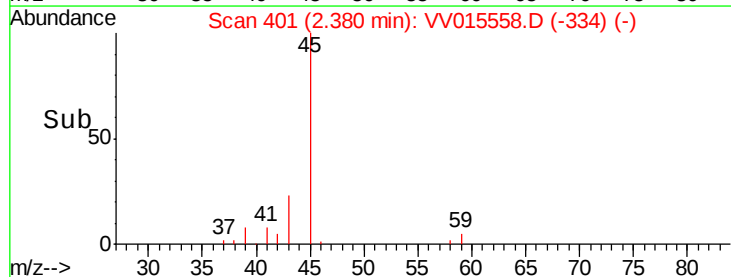
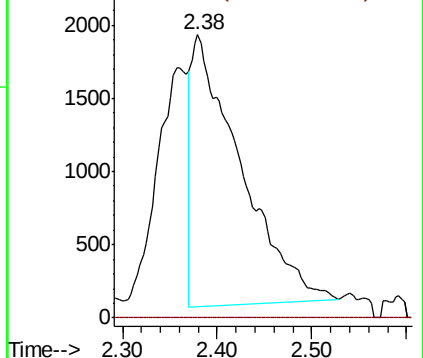
43 100

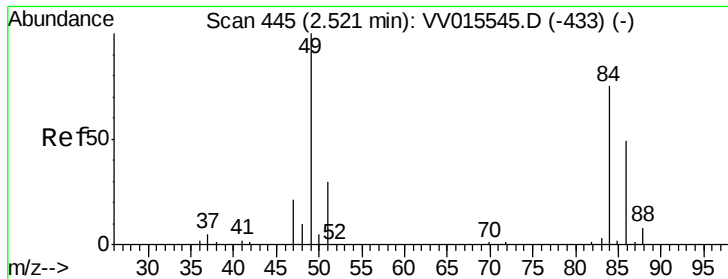
74 0.0 15.4 23.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

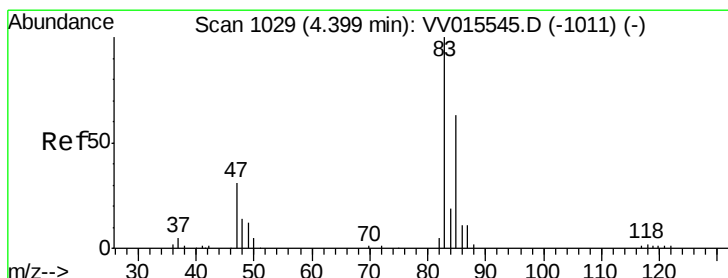
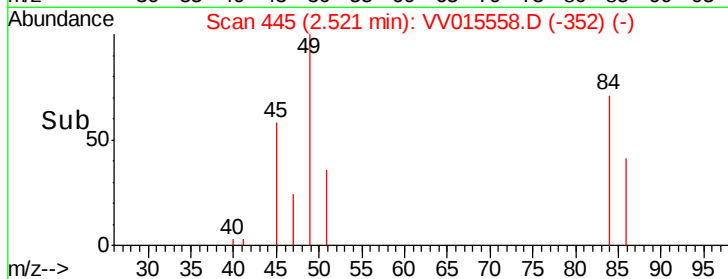
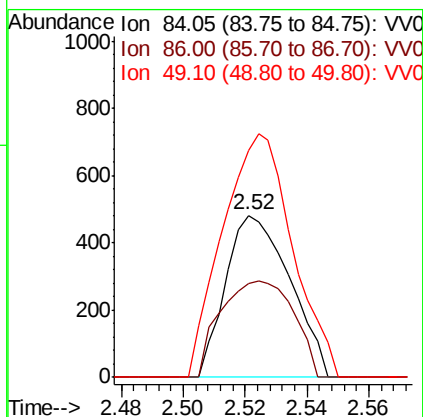
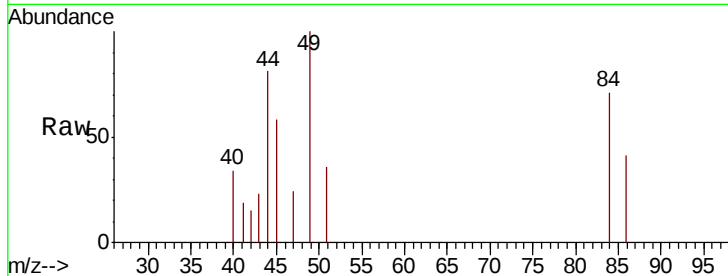




#16
Methvlene chloride
Concen: 0.100 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV015558.D
Acq: 17 Apr 2020 16:25

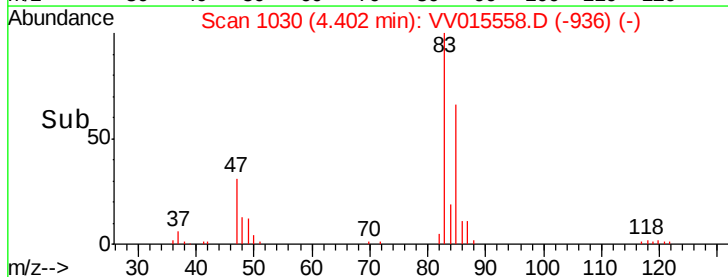
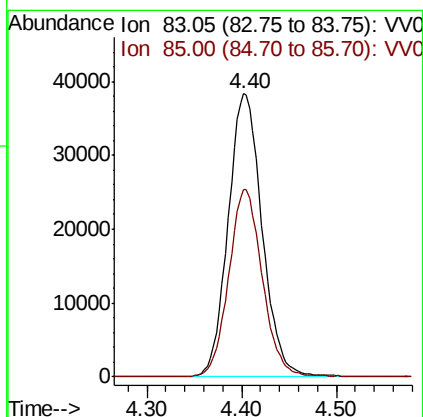
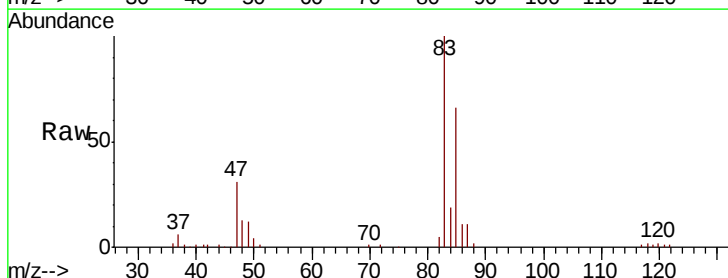
Instrument :
MSVOA_V
ClientSampleId :

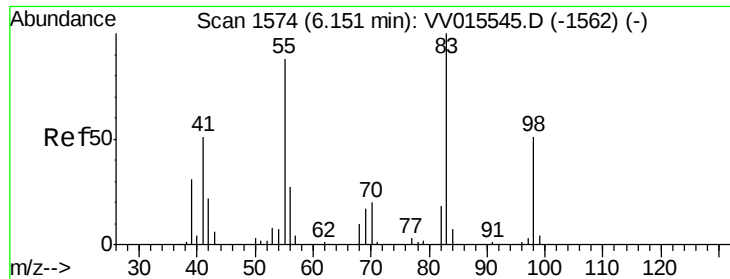
Tot Ion: 84 Resp: 695
Ion Ratio Lower Upper
84 100
86 57.9 45.1 83.7
49 140.2 97.9 181.7



#25
Chloroform
Concen: 7.434 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV015558.D
Acq: 17 Apr 2020 16:25

Tgt Ion: 83 Resp: 95695
Ion Ratio Lower Upper
83 100
85 66.3 45.9 85.3

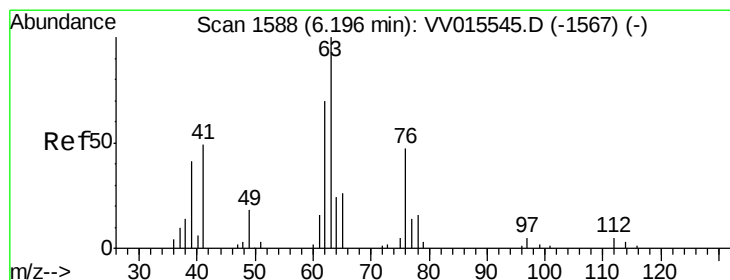
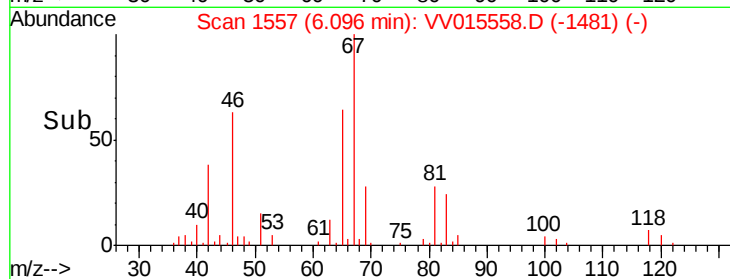
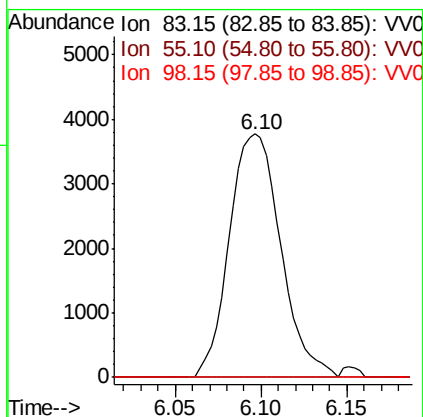
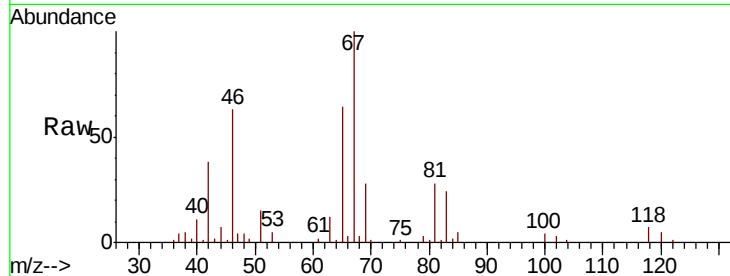




#35
Methvlcvclohexane
Concen: 0.649 ug/L
RT: 6.10 min Scan# 1557
Delta R.T. -0.05 min
Lab File: VV015558.D
Acq: 17 Apr 2020 16:25

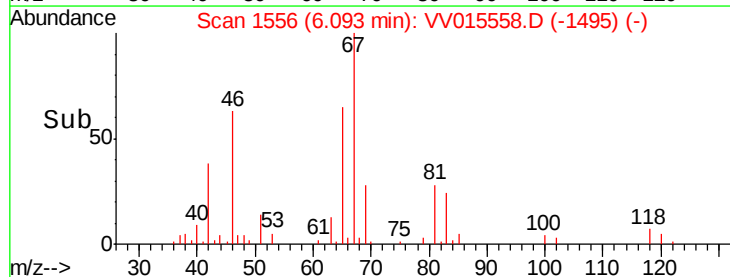
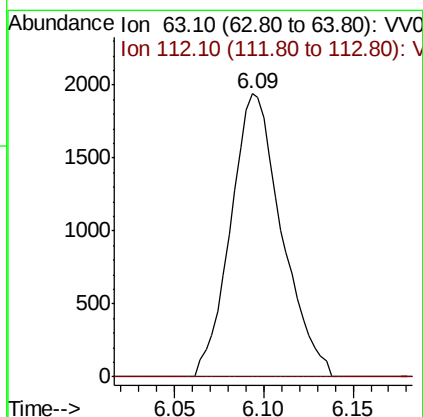
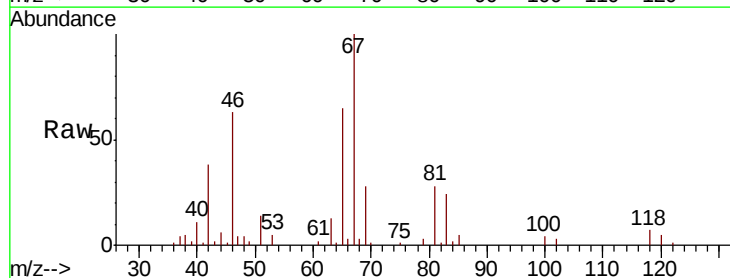
Instrument :
MSVOA_V
ClientSampleId :

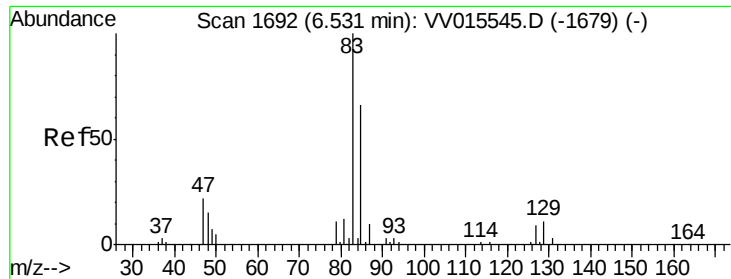
Tot Ion: 83 Resp: 7822
Ion Ratio Lower Upper
83 100
55 0.0 66.6 99.8#
98 13.9 38.7 58.1#



#37
1,2-Dichloropropane
Concen: 0.586 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.10 min
Lab File: VV015558.D
Acq: 17 Apr 2020 16:25

Tgt Ion: 63 Resp: 3858
Ion Ratio Lower Upper
63 100
112 0.0 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.592 ug/L

RT: 6.54 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VV015558.D

Acq: 17 Apr 2020 16:25

Instrument :

MSVOA_V

ClientSampleId :

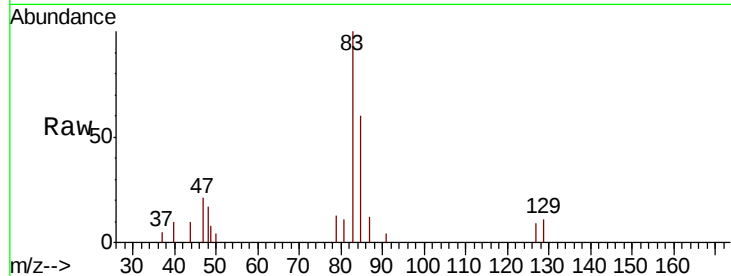
Tot Ion: 83 Resp: 5204

Ion Ratio Lower Upper

83 100

85 59.9 42.6 79.2

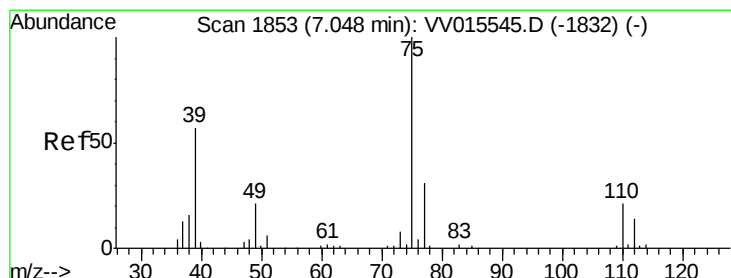
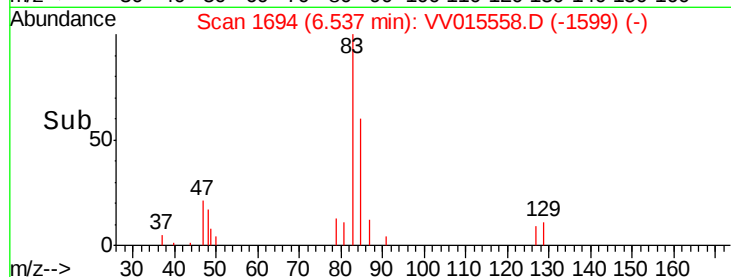
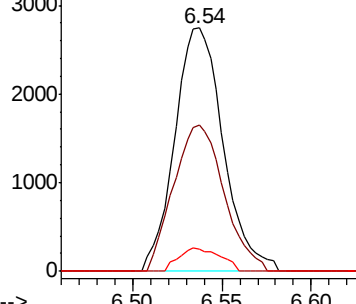
127 9.0 6.6 9.8



Abundance Ion 82.95 (82.65 to 83.65): VV015545.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV015545.D (-1679) (-)

Ion 126.90 (126.60 to 127.60): VV015545.D (-1679) (-)



#39

cis-1,3-Dichloropropene

Concen: 0.109 ug/L

RT: 7.01 min Scan# 1842

Delta R.T. -0.04 min

Lab File: VV015558.D

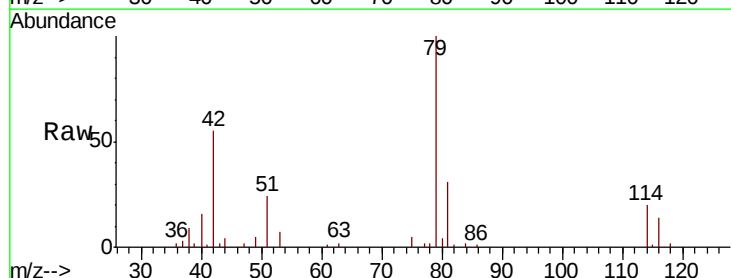
Acq: 17 Apr 2020 16:25

Tgt Ion: 75 Resp: 1104

Ion Ratio Lower Upper

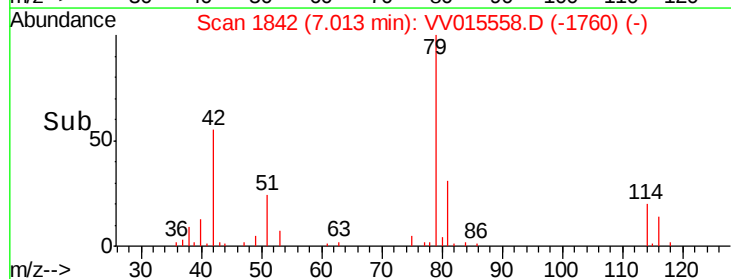
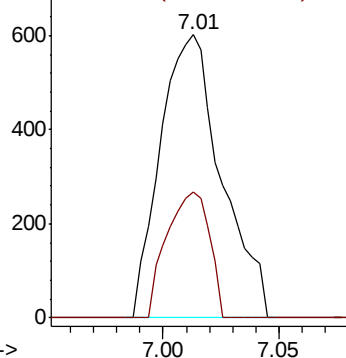
75 100

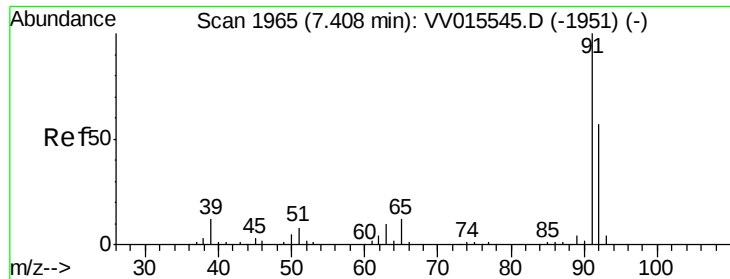
77 44.7 23.0 42.6#



Abundance Ion 75.05 (74.75 to 75.75): VV015545.D (-1832) (-)

Ion 77.05 (76.75 to 77.75): VV015545.D (-1832) (-)





#42

Toluene

Concen: 0.141 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV015558.D

Acq: 17 Apr 2020 16:25

Instrument :

MSVOA_V

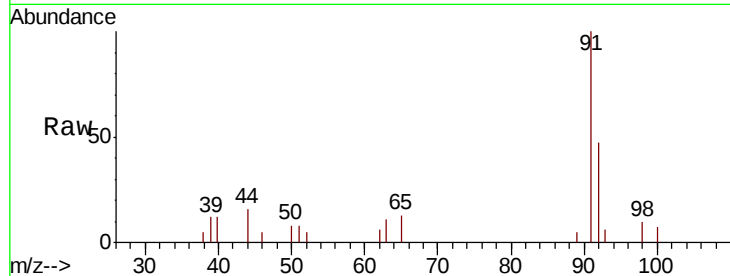
ClientSampleId :

Tot Ion: 91 Resp: 4057

Ion Ratio Lower Upper

91 100

92 53.0 40.2 74.6



Abundance Ion 91.15 (90.85 to 91.85): VV015545.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV015545.D (-1951) (-)

7.41

2500

2000

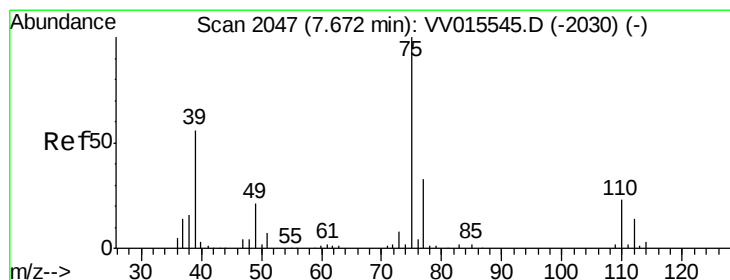
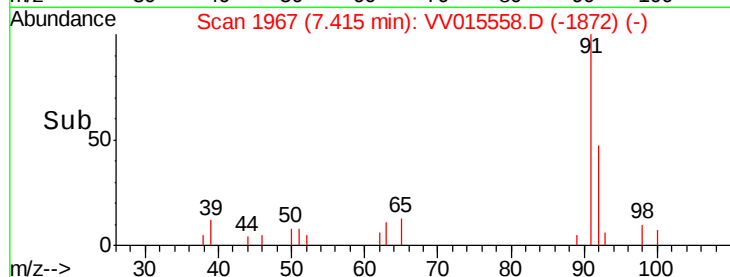
1500

1000

500

0

Time--> 7.35 7.40 7.45



#44

trans-1,3-Dichloropropene

Concen: 0.062 ug/L

RT: 7.65 min Scan# 2039

Delta R.T. -0.03 min

Lab File: VV015558.D

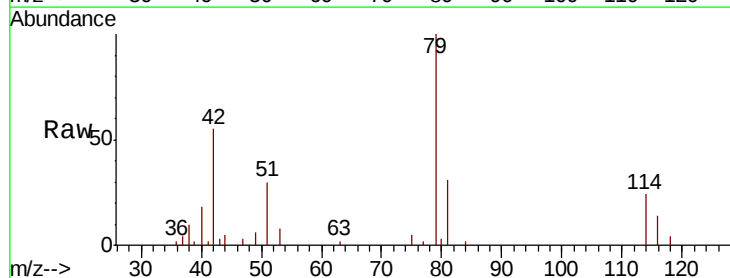
Acq: 17 Apr 2020 16:25

Tgt Ion: 75 Resp: 533

Ion Ratio Lower Upper

75 100

77 37.1 21.0 39.0



Abundance Ion 75.05 (74.75 to 75.75): VV015545.D (-2030) (-)

Ion 77.05 (76.75 to 77.75): VV015545.D (-2030) (-)

7.65

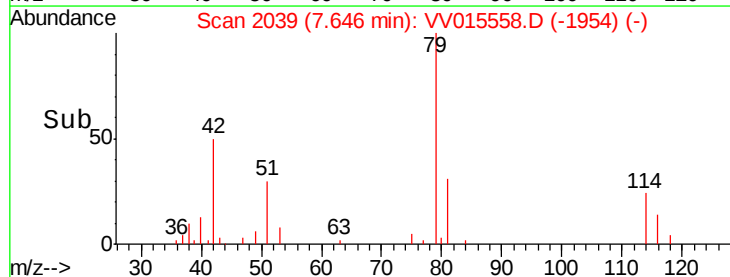
300

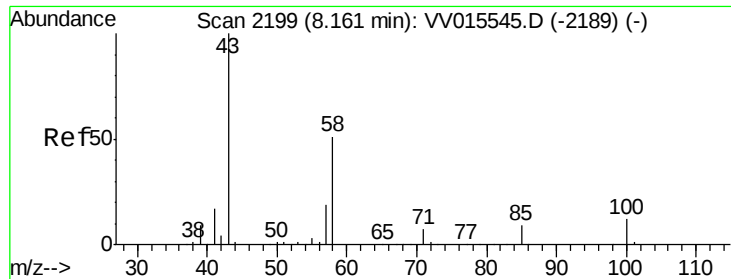
200

100

0

Time--> 7.60 7.62 7.64 7.66 7.68

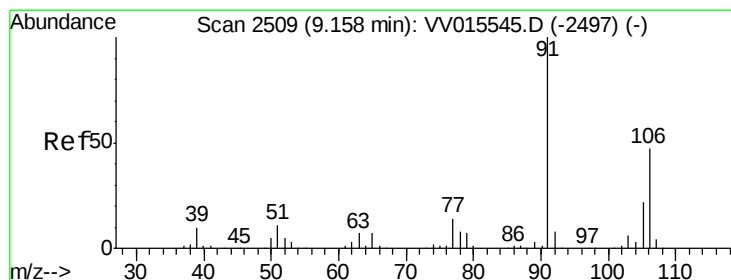
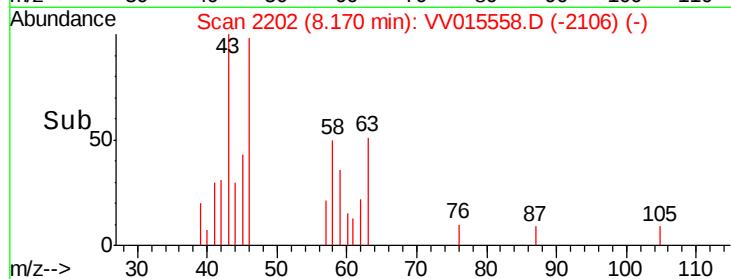
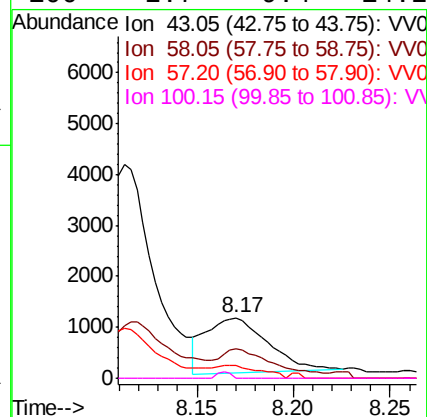
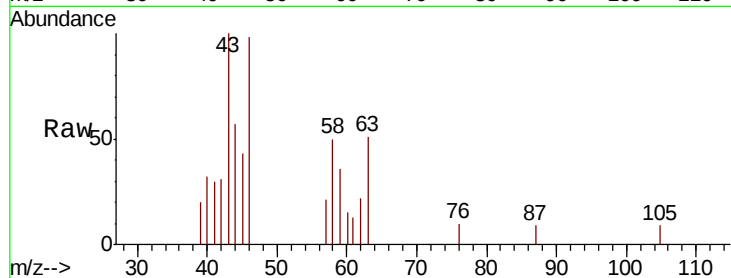




#48
2-Hexanone
Concen: 0.783 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV015558.D
Acq: 17 Apr 2020 16:25

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 43 Resp: 2367
Ion Ratio Lower Upper
43 100
58 48.3 41.4 62.0
57 16.6 15.0 22.4
100 2.7 9.4 14.2#



#53
m,p-xylene
Concen: 0.081 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV015558.D
Acq: 17 Apr 2020 16:25

Tgt Ion: 106 Resp: 1010
Ion Ratio Lower Upper
106 100
91 180.1 147.9 274.7

