

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070120\
 Data File : VV017293.D
 Acq On : 01 Jul 2020 16:46
 Operator : SY/MD
 Sample : L3150-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETYJ7

Quant Time: Jul 02 03:08:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 02 03:02:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	153142	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	148392	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	69798	5.00	ug/L	0.00

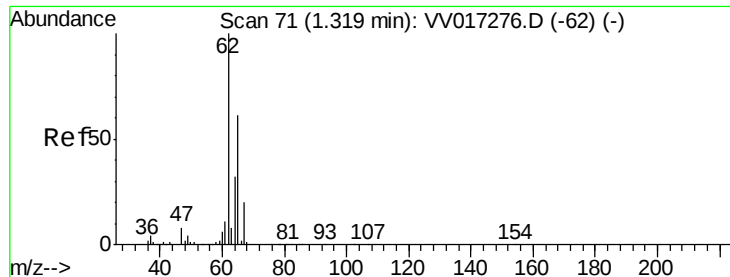
System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39786	4.33	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	86.60%
7) Chloroethane-d5	1.58	69	35512	5.31	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	106.20%
11) 1,1-Dichloroethene-d2	2.13	63	61597	3.52	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	70.40%
20) 2-Butanone-d5	3.92	46	120080	51.26	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.52%
24) Chloroform-d	4.38	84	102492	5.21	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.20%
26) 1,2-Dichloroethane-d4	5.06	65	57947	5.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	111.20%
32) Benzene-d6	5.08	84	178499	4.64	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.80%
36) 1,2-Dichloropropane-d6	6.10	67	55056	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.34	98	155240	4.30	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.00%
45) trans-1,3-Dichloropropene-	7.64	79	21381	4.45	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.00%
48) 2-Hexanone-d5	8.11	63	81211	44.40	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	88.80%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	40273	5.26	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	105.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	67978	5.27	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.40%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	7029	0.699	ug/L #	49
8) Chloroethane	1.54	64	73554	13.244	ug/L #	52
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	685	0.084	ug/L #	19
14) Carbon disulfide	2.32	76	1726	0.078	ug/L #	82
16) Methylene chloride	2.53	84	2321	0.295	ug/L	84
18) trans-1,2-Dichloroethene	2.78	96	2463	0.316	ug/L	89
22) cis-1,2-Dichloroethene	3.94	96	50727	4.763	ug/L #	93
34) Trichloroethene	5.95	95	9043	0.795	ug/L	94
35) Methylcyclohexane	6.09	83	14557	0.823	ug/L #	18
39) cis-1,3-Dichloropropene	7.01	75	1882	0.132	ug/L #	81
46) trans-1,3-Dichloropropene	7.65	75	1321	0.107	ug/L	93
49) Tetrachloroethene	8.00	164	1652	0.180	ug/L #	71
50) 2-Hexanone	8.17	43	5736	1.451	ug/L #	77

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



#5

Vinyl chloride

Concen: 0.699 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017293.D

Acq: 01 Jul 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

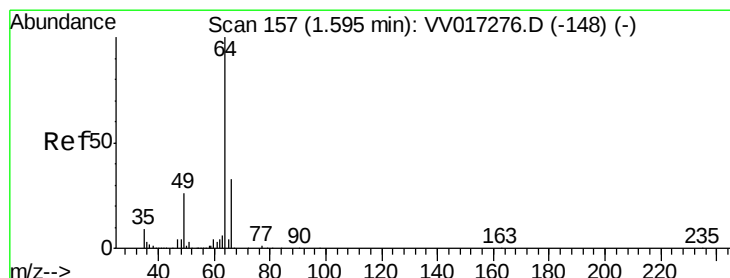
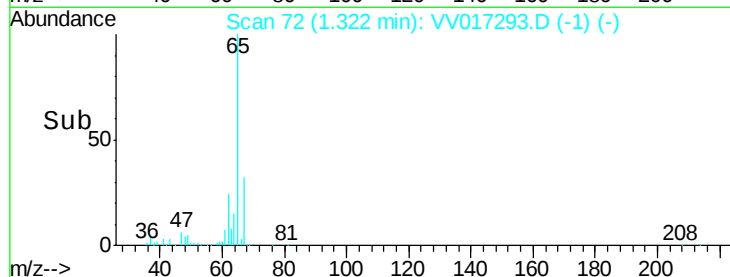
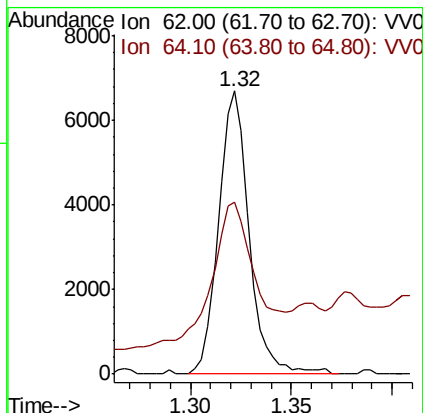
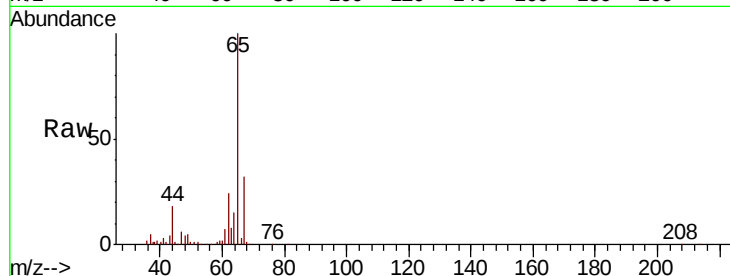
ETYJ7

Tot Ion: 62 Resp: 7029

Ion Ratio Lower Upper

62 100

64 60.8 22.5 41.7#



#8

Chloroethane

Concen: 13.244 ug/L

RT: 1.54 min Scan# 141

Delta R.T. -0.05 min

Lab File: VV017293.D

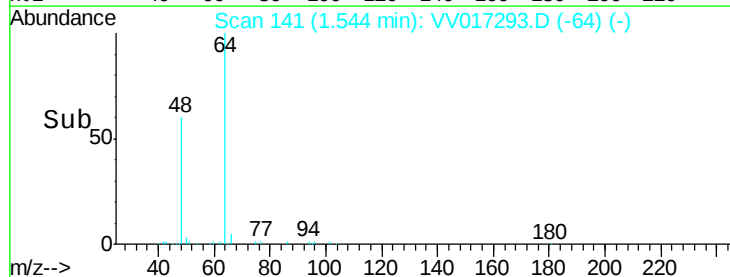
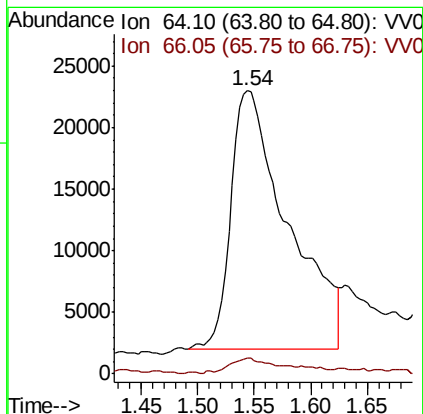
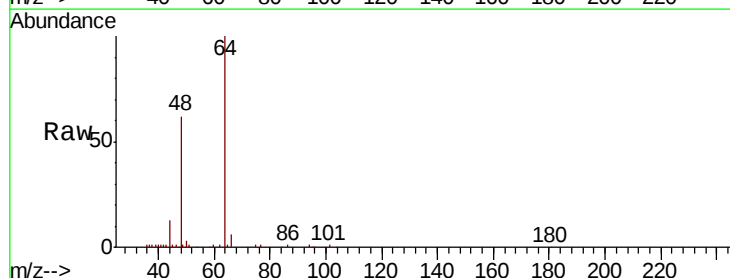
Acq: 01 Jul 2020 16:46

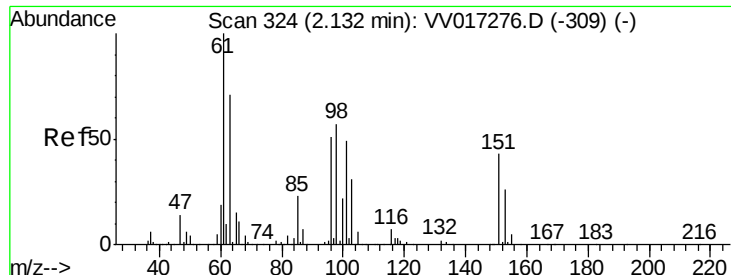
Tgt Ion: 64 Resp: 73554

Ion Ratio Lower Upper

64 100

66 5.7 22.8 42.4#





#10

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

Concen: 0.084 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV017293.D

Acq: 01 Jul 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

ETYJ7

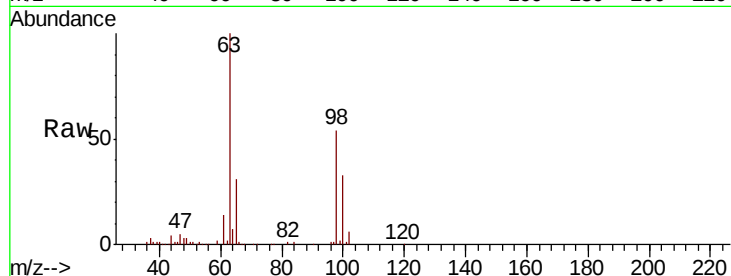
Tot Ion:101 Resp: 685

Ion Ratio Lower Upper

101 100

85 3.8 35.4 53.2#

151 0.0 63.9 95.9#



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

2.12

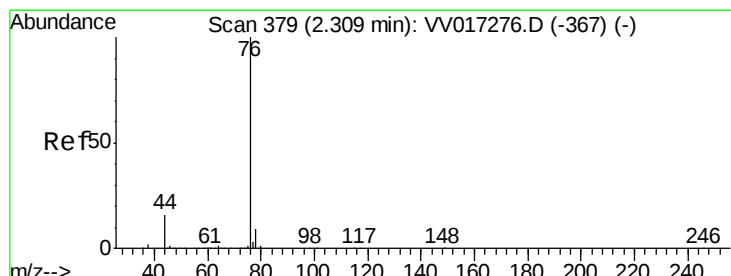
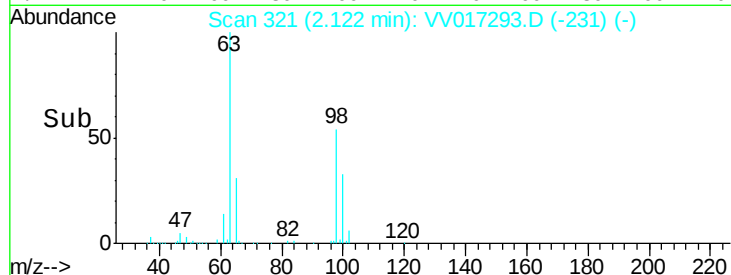
400

200

0

Time-->

2.08 2.10 2.12 2.14



#14

Carbon disulfide

Concen: 0.078 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017293.D

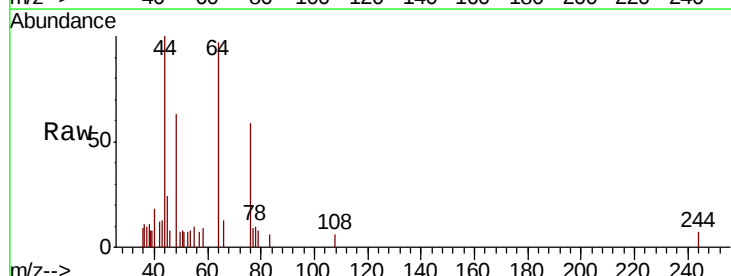
Acq: 01 Jul 2020 16:46

Tgt Ion: 76 Resp: 1726

Ion Ratio Lower Upper

76 100

78 16.2 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

1000

800

600

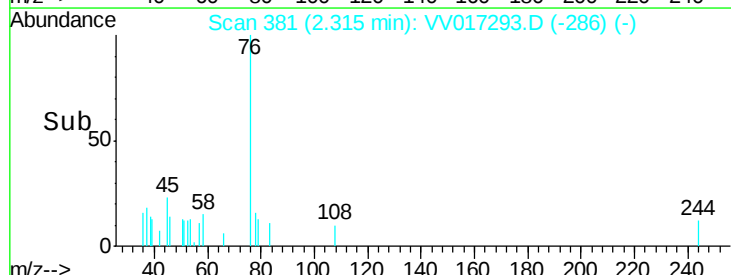
400

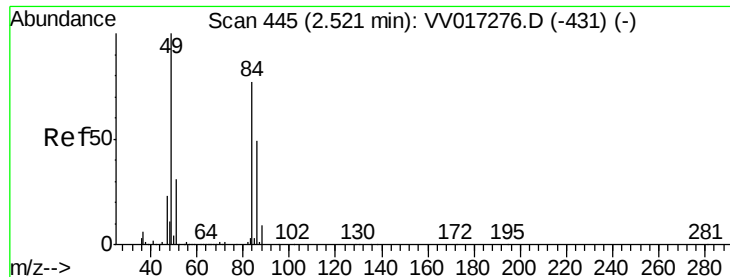
200

0

Time-->

2.28 2.30 2.32 2.34

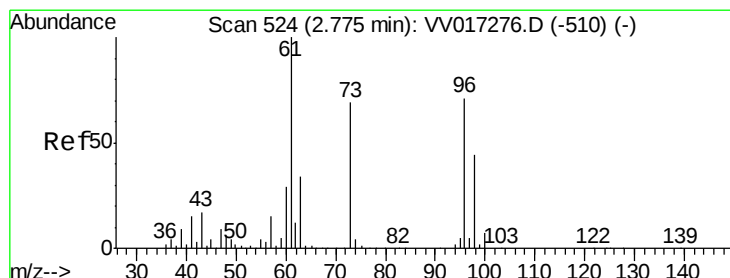
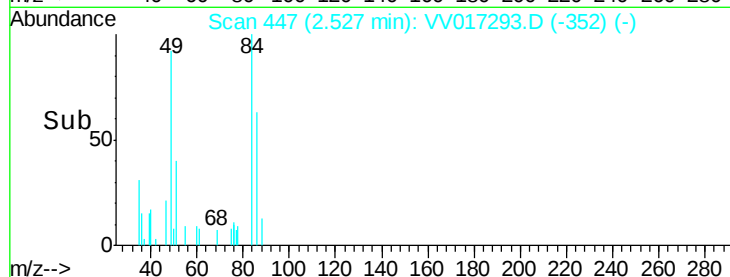
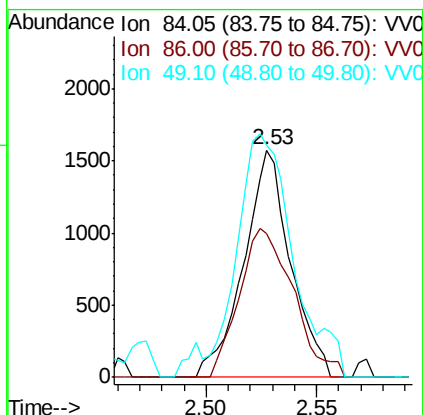
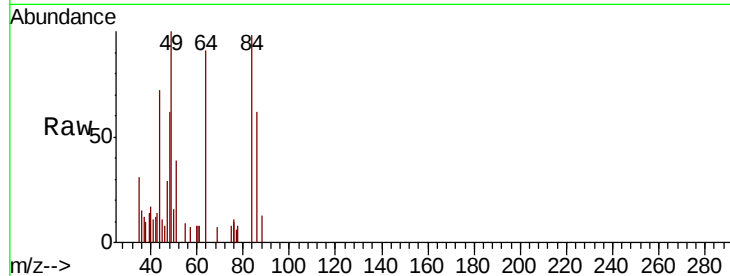




#16
Methylene chloride
Concen: 0.295 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.01 min
Lab File: VV017293.D
Acq: 01 Jul 2020 16:46

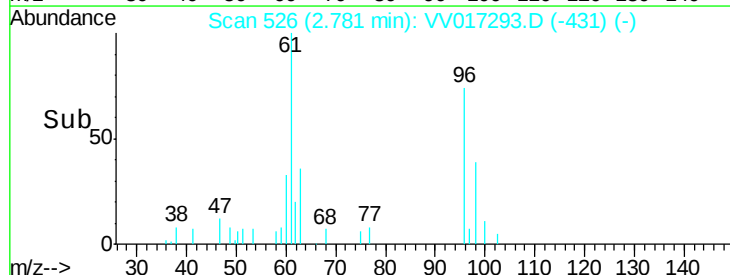
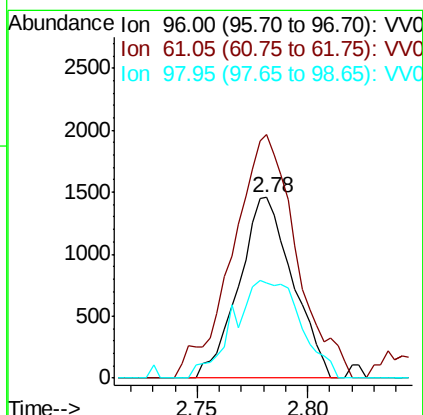
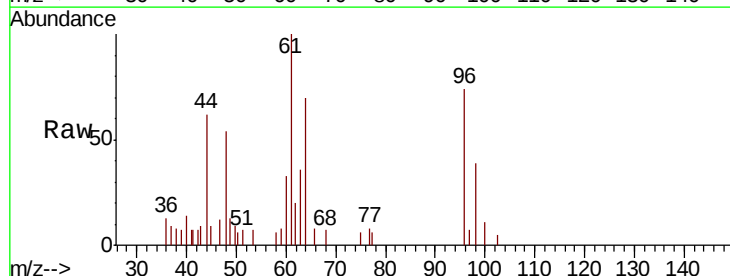
Instrument :
MSVOA_V
ClientSampleId :
ETYJ7

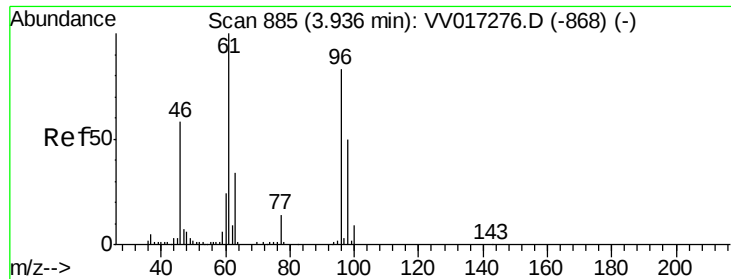
Tot Ion: 84 Resp: 2321
Ion Ratio Lower Upper
84 100
86 63.2 45.8 85.0
49 101.9 89.6 166.4



#18
trans-1,2-Dichloroethene
Concen: 0.316 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.01 min
Lab File: VV017293.D
Acq: 01 Jul 2020 16:46

Tgt Ion: 96 Resp: 2463
Ion Ratio Lower Upper
96 100
61 134.7 102.3 189.9
98 52.5 44.7 82.9



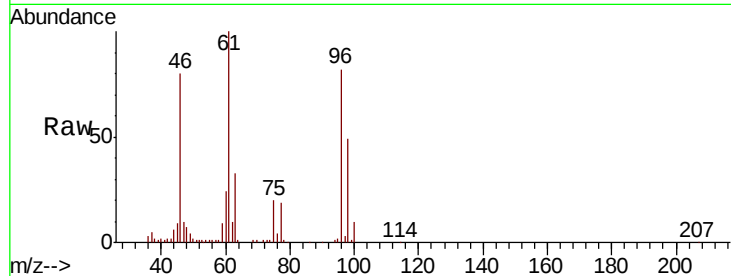


#22

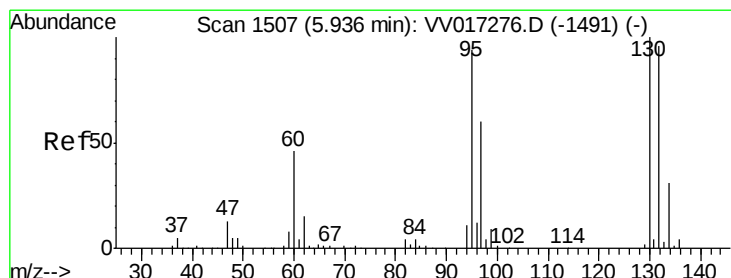
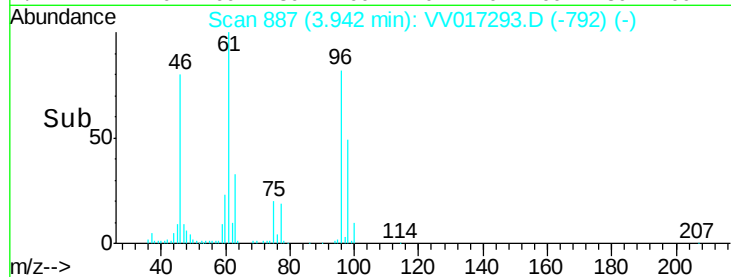
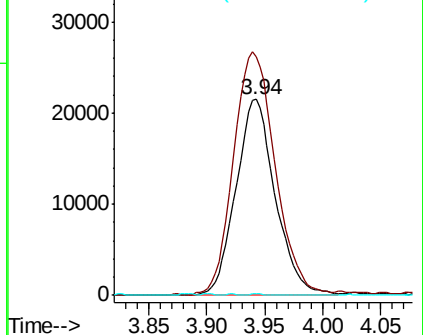
cis-1,2-Dichloroethene
Concen: 4.763 ug/L
RT: 3.94 min Scan# 887
Delta R.T. 0.01 min
Lab File: VV017293.D
Acq: 01 Jul 2020 16:46

Instrument :
MSVOA_V
ClientSampleId :
ETYJ7

Tot Ion: 96 Resp: 50727
Ion Ratio Lower Upper
96 100
61 121.9 91.0 169.0
68 0.6 0.0 0.0#



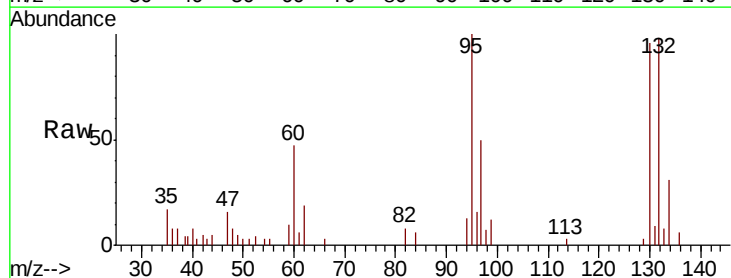
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



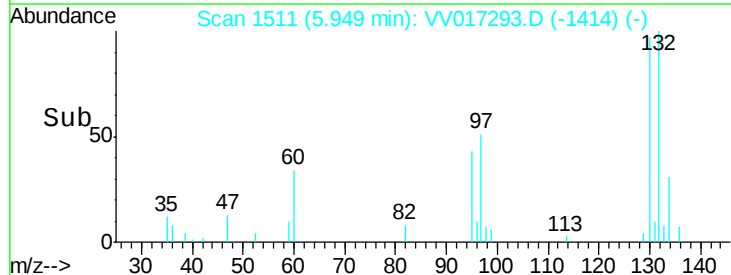
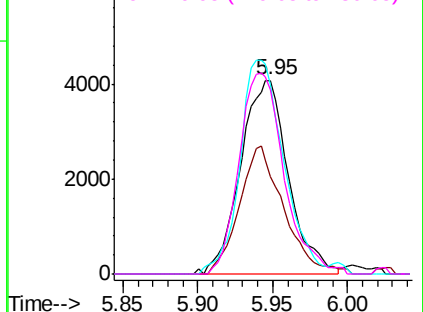
#34

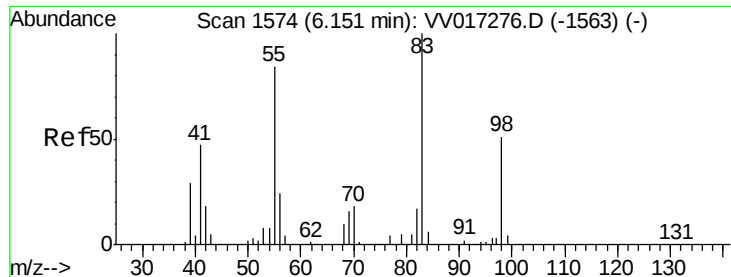
Trichloroethene
Concen: 0.795 ug/L
RT: 5.95 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VV017293.D
Acq: 01 Jul 2020 16:46

Tgt Ion: 95 Resp: 9043
Ion Ratio Lower Upper
95 100
97 50.4 45.3 84.1
132 98.1 68.8 127.8
130 95.6 70.2 130.4



Abundance 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

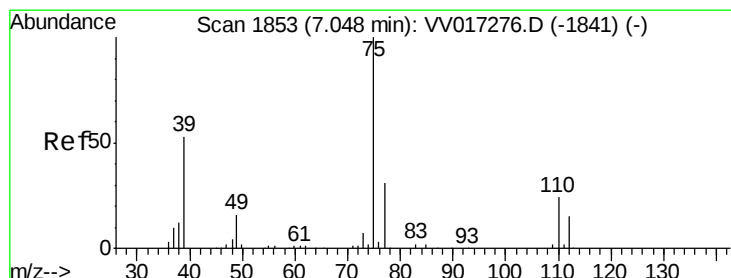
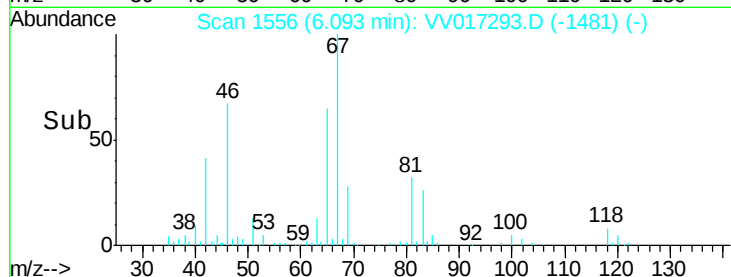
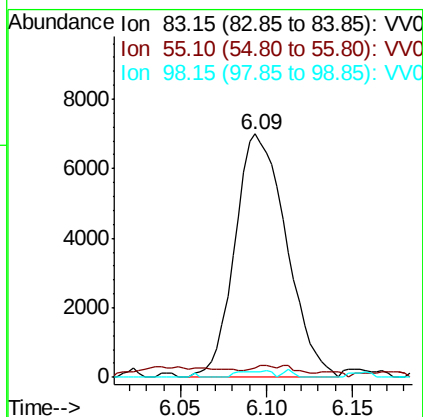
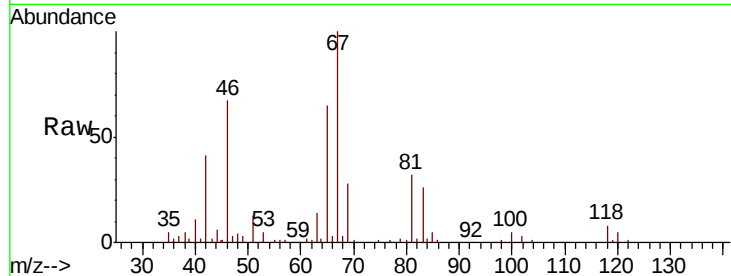




#35
Methvlcvclohexane
Concen: 0.823 ug/L
RT: 6.09 min Scan# 1556
Delta R.T. -0.06 min
Lab File: VV017293.D
Acq: 01 Jul 2020 16:46

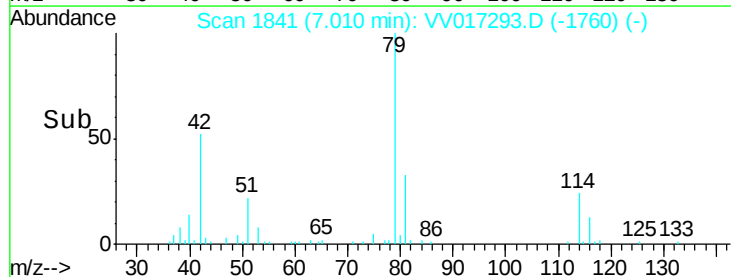
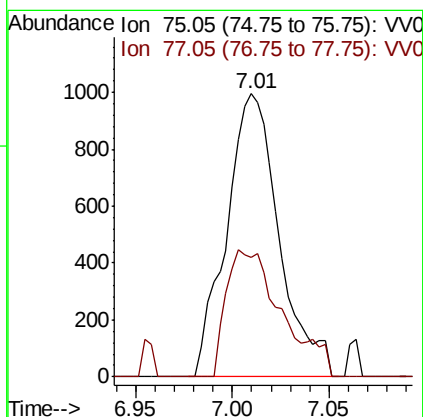
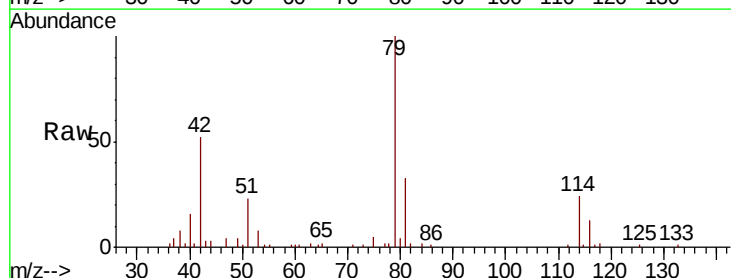
Instrument :
MSVOA_V
ClientSampleId :
ETYJ7

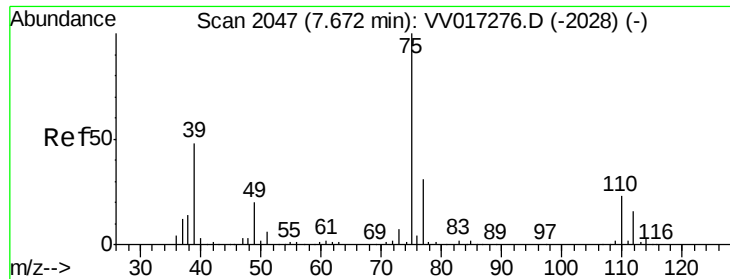
Tot Ion: 83 Resp: 14557
Ion Ratio Lower Upper
83 100
55 1.1 63.6 95.4#
98 1.7 38.8 58.2#



#39
cis-1,3-Dichloropropene
Concen: 0.132 ug/L
RT: 7.01 min Scan# 1841
Delta R.T. -0.04 min
Lab File: VV017293.D
Acq: 01 Jul 2020 16:46

Tgt Ion: 75 Resp: 1882
Ion Ratio Lower Upper
75 100
77 42.3 22.3 41.5#

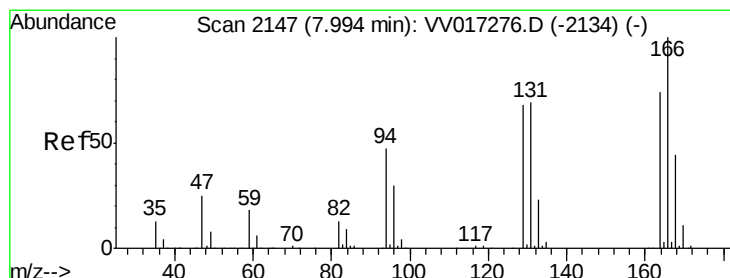
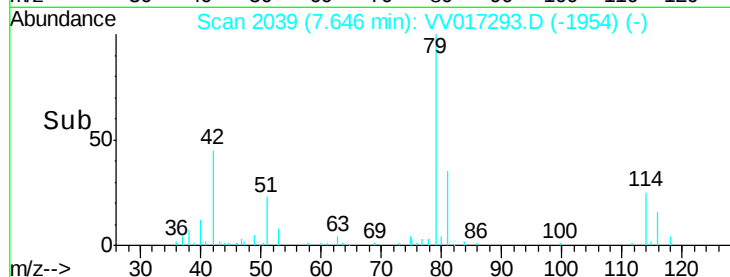
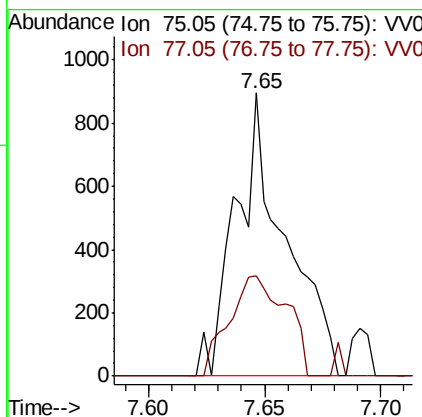
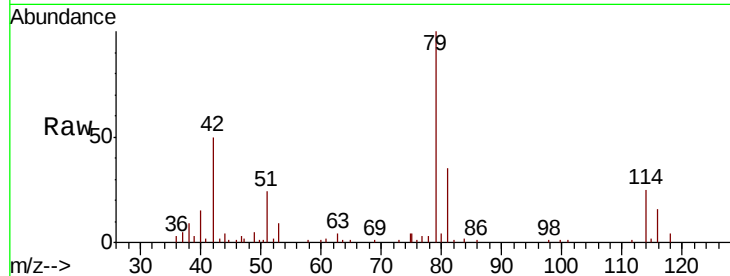




#46
trans-1,3-Dichloropropene
Concen: 0.107 ug/L
RT: 7.65 min Scan# 2039
Delta R.T. -0.03 min
Lab File: VV017293.D
Acq: 01 Jul 2020 16:46

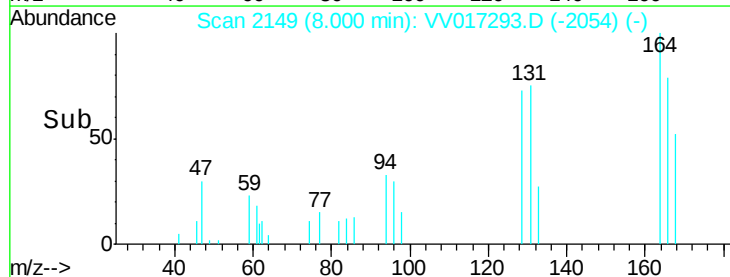
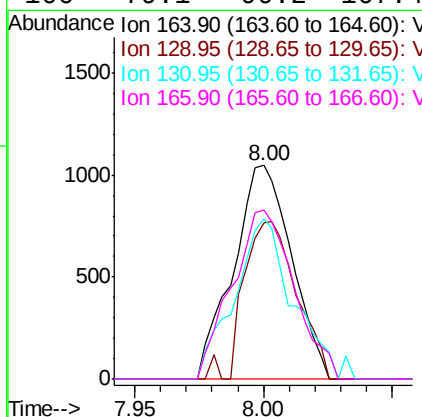
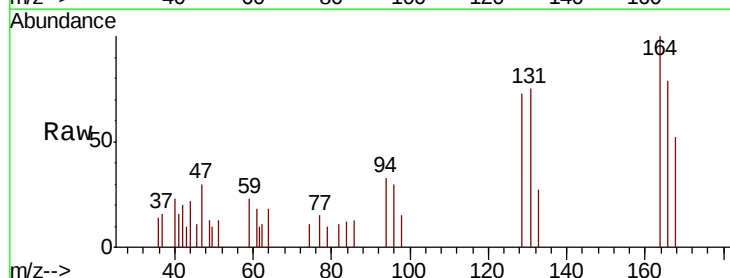
Instrument :
MSVOA_V
ClientSampleId :
ETYJ7

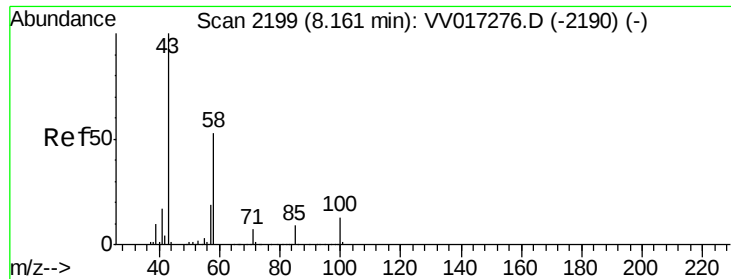
Tot Ion: 75 Resp: 1321
Ion Ratio Lower Upper
75 100
77 35.4 22.3 41.3



#49
Tetrachloroethene
Concen: 0.180 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.01 min
Lab File: VV017293.D
Acq: 01 Jul 2020 16:46

Tgt Ion:164 Resp: 1652
Ion Ratio Lower Upper
164 100
129 73.3 65.2 121.0
131 75.1 64.1 119.1
166 79.1 90.2 167.4#





#50

2-Hexanone

Concen: 1.451 ug/L

RT: 8.17 min Scan# 2201

Delta R.T. 0.01 min

Lab File: VV017293.D

Acq: 01 Jul 2020 16:46

Instrument :

MSVOA_V

ClientSampleId :

ETYJ7

Tot Ion: 43 Resp: 5736

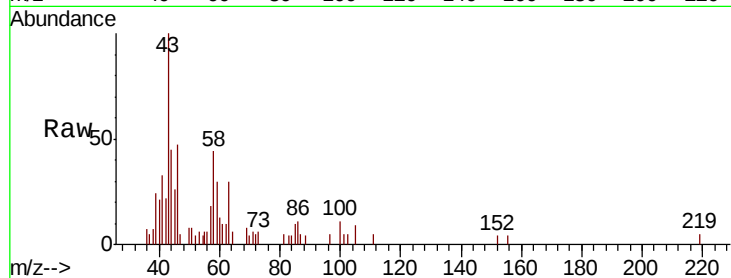
Ion Ratio Lower Upper

43 100

58 33.5 41.6 62.4#

57 9.1 15.4 23.0#

100 9.2 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

