

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072820\
 Data File : VV017710.D
 Acq On : 28 Jul 2020 17:29
 Operator : SY/MD
 Sample : L3470-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jul 29 05:20:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 29 05:17:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	130010	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	131282	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	71407	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	27391	4.41	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	88.20%
7) Chloroethane-d5	1.57	69	22977	4.84	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	96.80%
11) 1,1-Dichloroethene-d2	2.12	63	53318	3.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	76.60%
20) 2-Butanone-d5	3.99	46	51384	34.60	ug/L	0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	69.20%
24) Chloroform-d	4.37	84	79072	5.26	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	105.20%
26) 1,2-Dichloroethane-d4	5.06	65	41715	5.38	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.60%
32) Benzene-d6	5.07	84	131663	4.55	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.00%
36) 1,2-Dichloropropane-d6	6.09	67	36956	4.59	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.80%
41) Toluene-d8	7.34	98	120161	4.33	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.60%
45) trans-1,3-Dichloropropene-	7.65	79	16956	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
48) 2-Hexanone-d5	8.12	63	45722	40.47	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	80.94%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26966	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
65) 1,2-Dichlorobenzene-d4	11.65	152	57374	5.31	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	106.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.31	62	81179	8.740	ug/L	95
8) Chloroethane	1.53	64	3348	0.624	ug/L #	58
12) 1,1-Dichloroethene	2.13	96	7760	1.108	ug/L #	1
13) Acetone	2.46	43	8572	7.373	ug/L	80
14) Carbon disulfide	2.30	76	9927	0.466	ug/L #	91
15) Methyl Acetate	2.46	43	8572	3.789	ug/L	95
16) Methylene chloride	2.52	84	1704	0.219	ug/L	96
18) trans-1,2-Dichloroethene	2.77	96	14362	1.883	ug/L	96
19) 1,1-Dichloroethane	3.21	63	16366	1.020	ug/L	97
21) 2-Butanone	4.06	43	6671	3.398	ug/L #	1
22) cis-1,2-Dichloroethene	3.93	96	5620991	585.119	ug/L	97
27) 1,2-Dichloroethane	5.16	62	4562	0.391	ug/L	100
34) Trichloroethene	5.93	95	13477	1.298	ug/L	88
35) Methylcyclohexane	6.09	83	10393	0.662	ug/L #	19
42) Toluene	7.41	91	7009	0.173	ug/L	91
47) 1,1,2-Trichloroethane	7.86	97	992	0.150	ug/L #	78
55) m,p-xylene	9.16	106	2809	0.164	ug/L	80

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Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Jul 29 05:17:09 2020
Response via : Initial Calibration

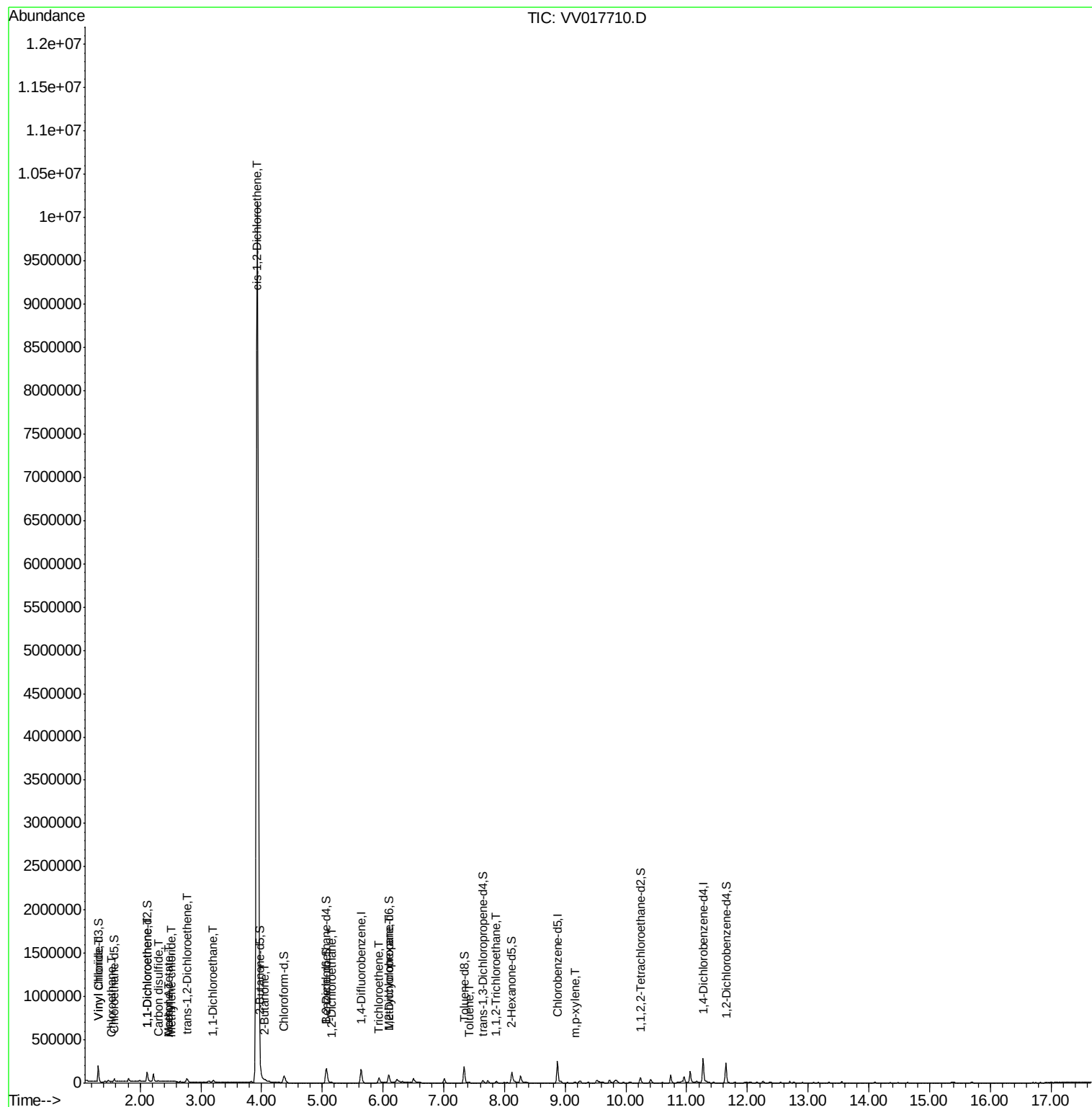
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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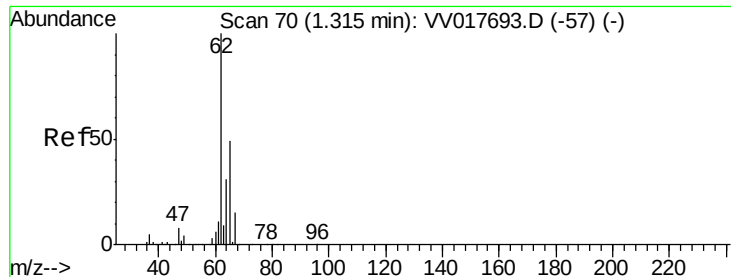
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 8.740 ug/L

RT: 1.31 min Scan# 69

Delta R.T. -0.00 min

Lab File: VV017710.D

Acq: 28 Jul 2020 17:29

Instrument :

MSVOA_V

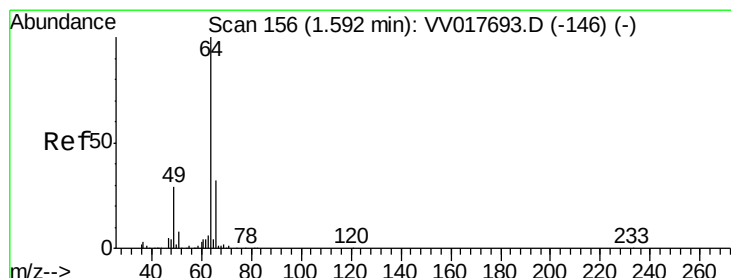
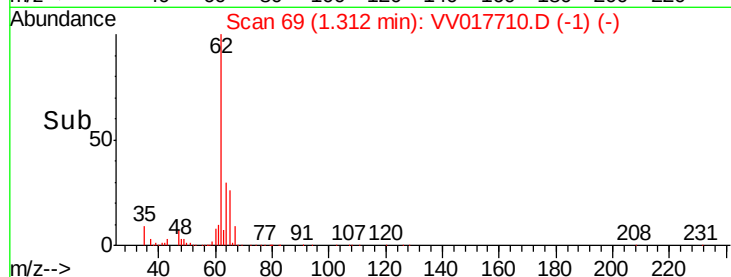
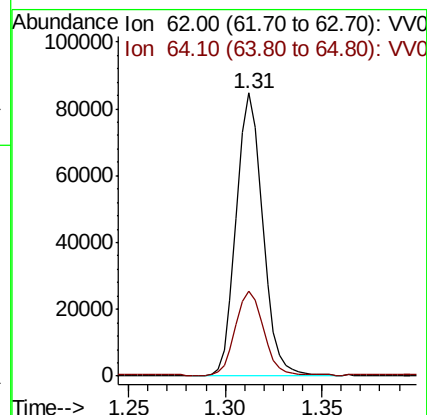
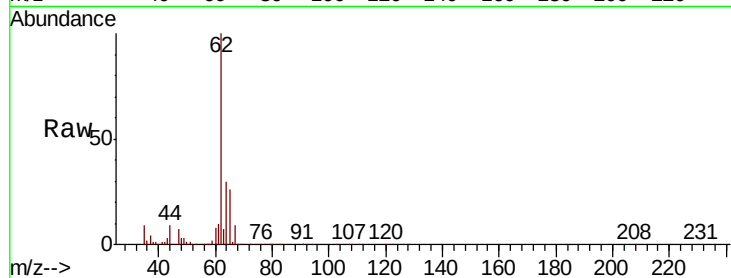
ClientSampleId :

Tot Ion: 62 Resp: 81179

Ion Ratio Lower Upper

62 100

64 30.1 23.0 42.8



#8

Chloroethane

Concen: 0.624 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.06 min

Lab File: VV017710.D

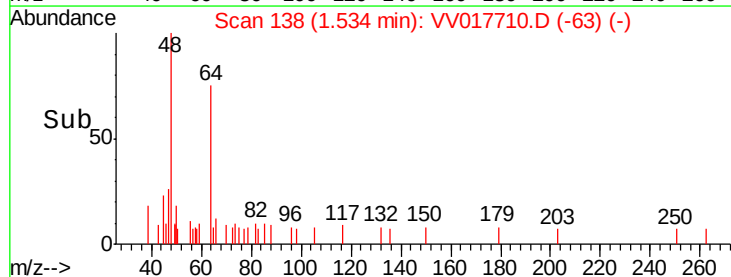
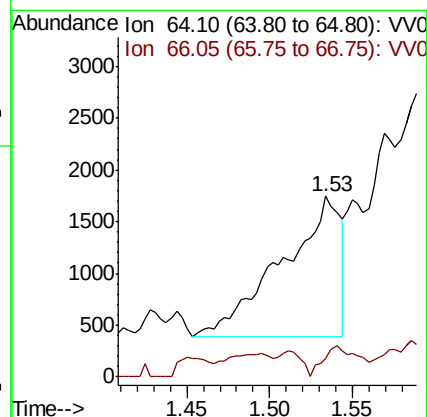
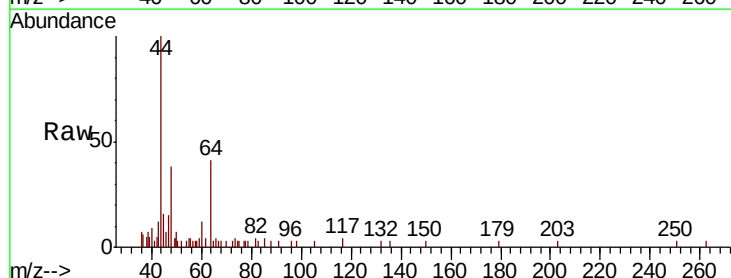
Acq: 28 Jul 2020 17:29

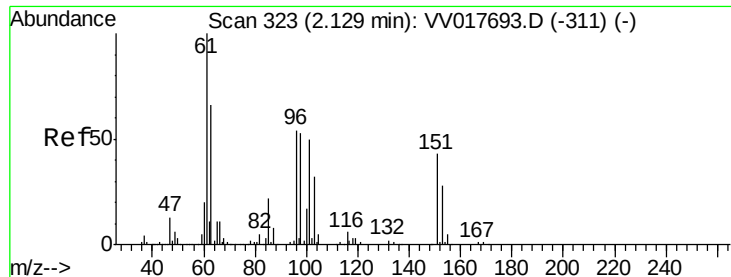
Tgt Ion: 64 Resp: 3348

Ion Ratio Lower Upper

64 100

66 10.2 24.0 44.6#





#12

1,1-Dichloroethene

Concen: 1.108 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017710.D

Acq: 28 Jul 2020 17:29

Instrument :

MSVOA_V

ClientSampleId :

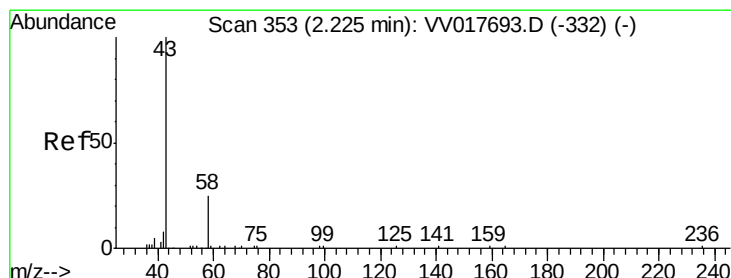
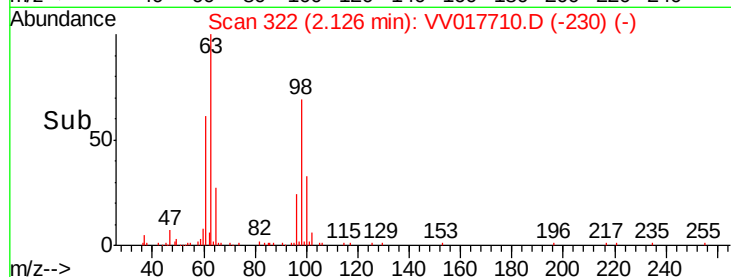
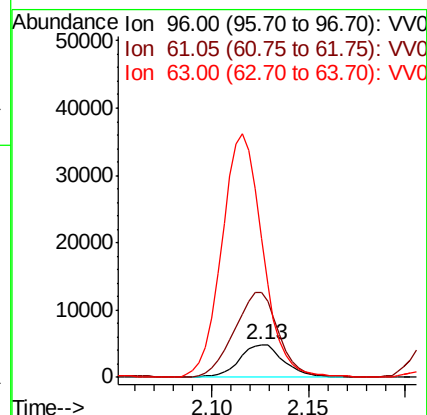
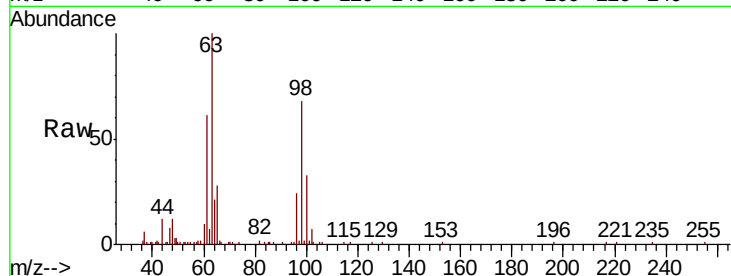
Tot Ion: 96 Resp: 7760

Ion Ratio Lower Upper

96 100

61 258.3 123.1 228.7#

63 423.1 91.2 169.4#



#13

Acetone

Concen: 7.373 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.24 min

Lab File: VV017710.D

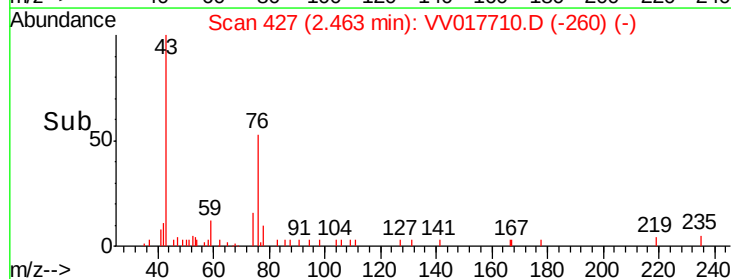
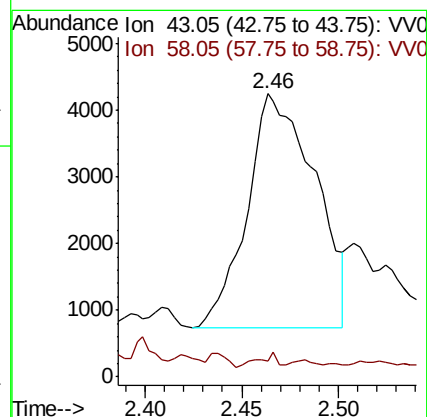
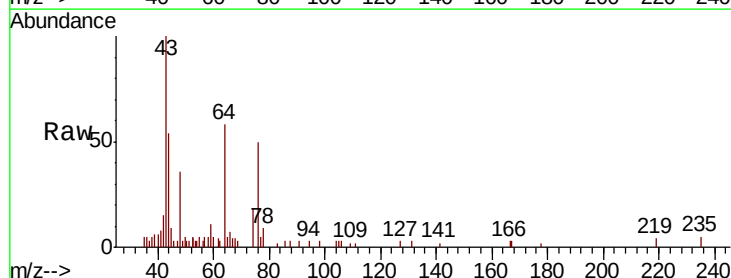
Acq: 28 Jul 2020 17:29

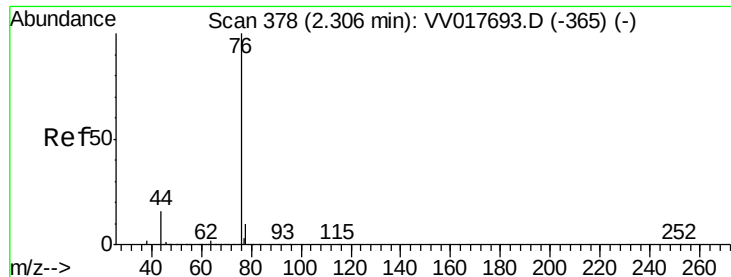
Tgt Ion: 43 Resp: 8572

Ion Ratio Lower Upper

43 100

58 1.9 0.0 18.6





#14

Carbon disulfide

Concen: 0.466 ug/L

RT: 2.30 min Scan# 376

Delta R.T. -0.01 min

Lab File: VV017710.D

Acq: 28 Jul 2020 17:29

Instrument :

MSVOA_V

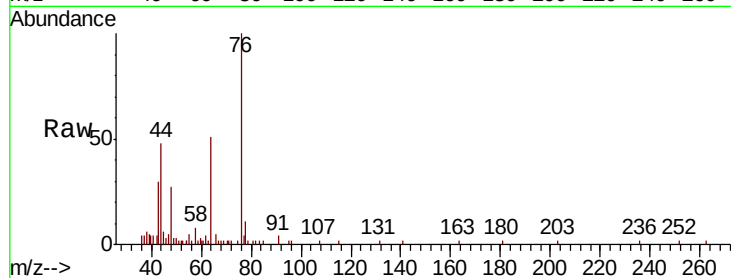
ClientSampleId :

Tot Ion: 76 Resp: 9927

Ion Ratio Lower Upper

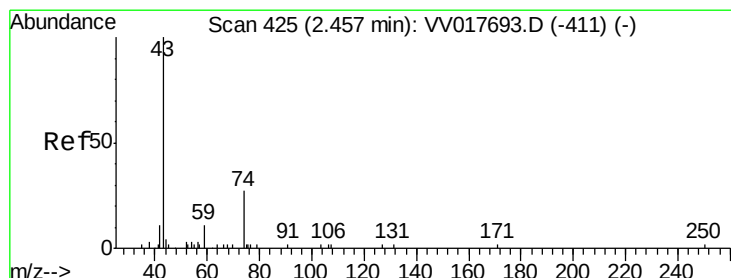
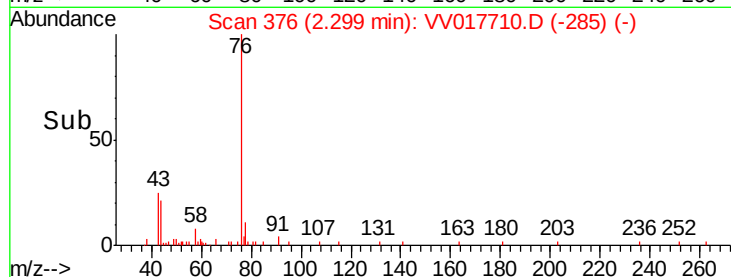
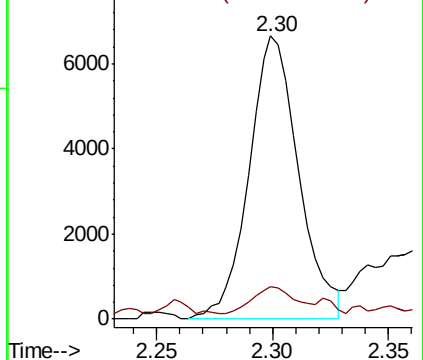
76 100

78 11.5 6.6 10.0#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 3.789 ug/L

RT: 2.46 min Scan# 427

Delta R.T. 0.01 min

Lab File: VV017710.D

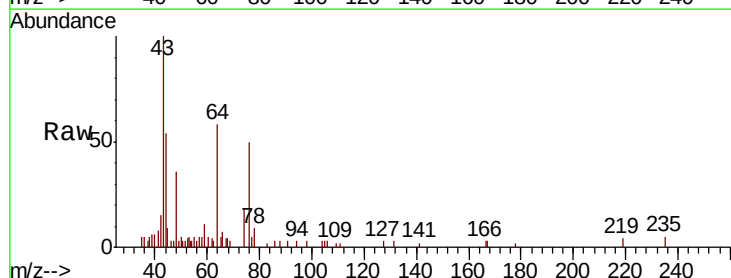
Acq: 28 Jul 2020 17:29

Tgt Ion: 43 Resp: 8572

Ion Ratio Lower Upper

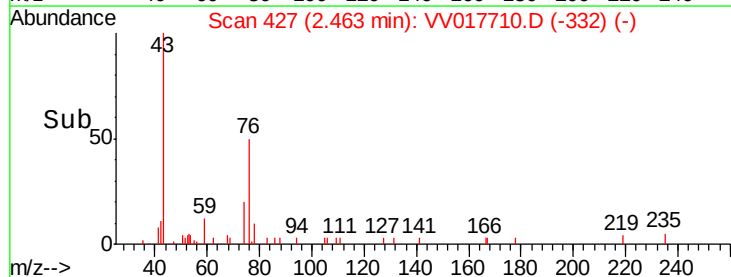
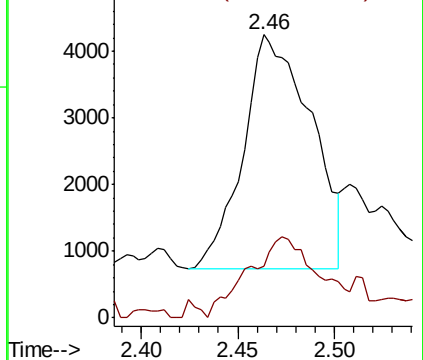
43 100

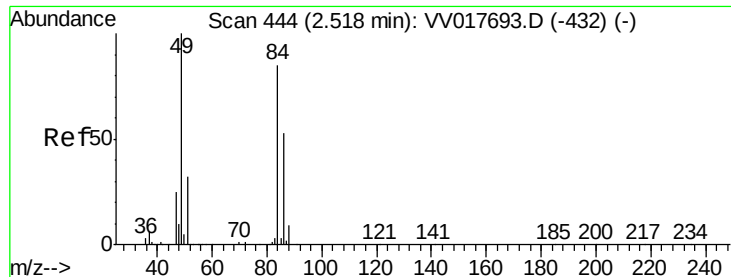
74 36.2 26.6 40.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

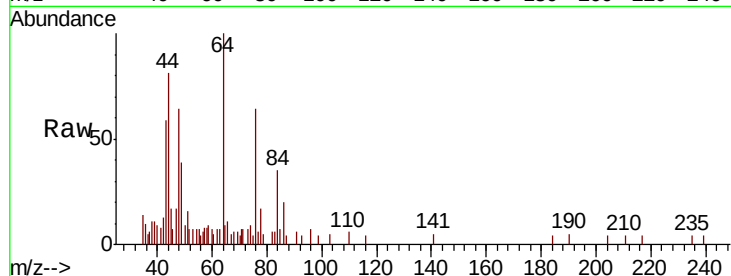




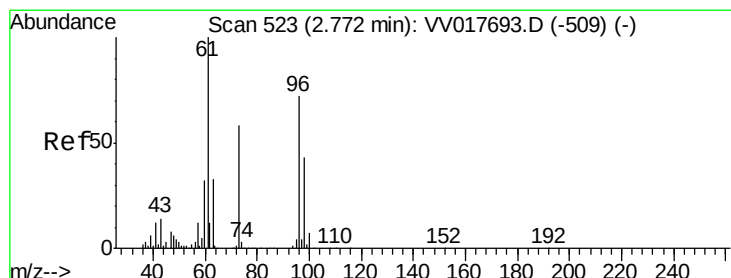
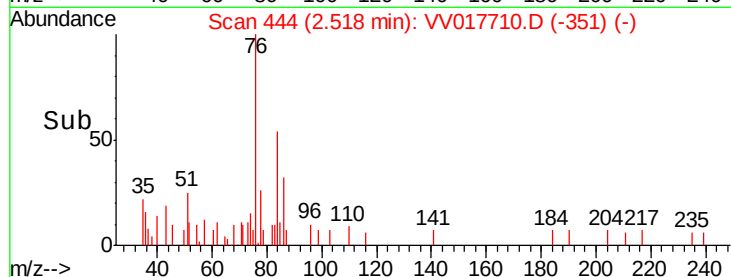
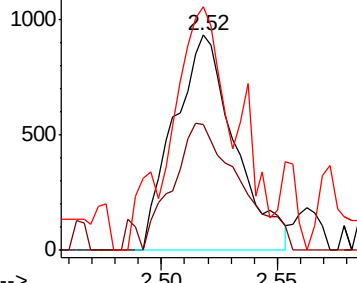
#16
Methylene chloride
Concen: 0.219 ug/L
RT: 2.52 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV017710.D
Acq: 28 Jul 2020 17:29

Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 84 Resp: 1704
Ion Ratio Lower Upper
84 100
86 58.6 46.5 86.3
49 113.2 79.2 147.2

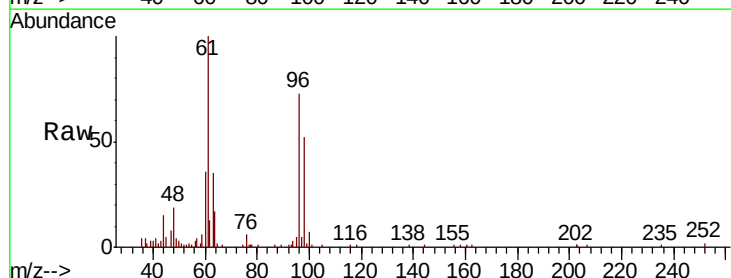


Abundance Ion 84.05 (83.75 to 84.75): VV0
Ion 86.00 (85.70 to 86.70): VV0
Ion 49.10 (48.80 to 49.80): VV0

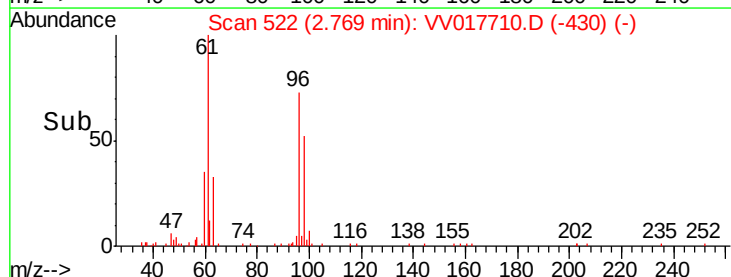
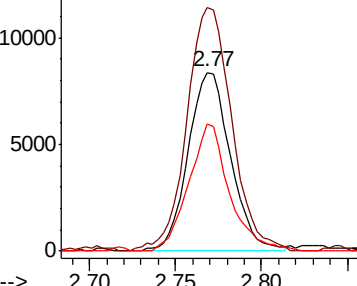


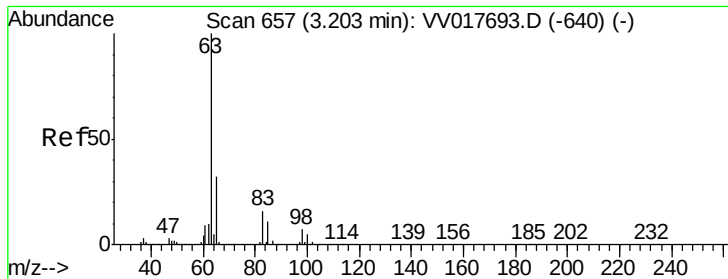
#18
trans-1,2-Dichloroethene
Concen: 1.883 ug/L
RT: 2.77 min Scan# 522
Delta R.T. -0.00 min
Lab File: VV017710.D
Acq: 28 Jul 2020 17:29

Tgt Ion: 96 Resp: 14362
Ion Ratio Lower Upper
96 100
61 136.5 96.0 178.4
98 71.0 43.5 80.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

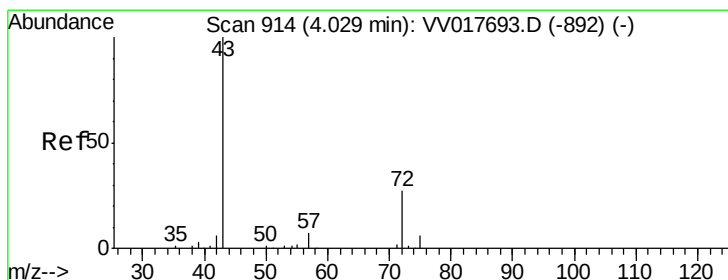
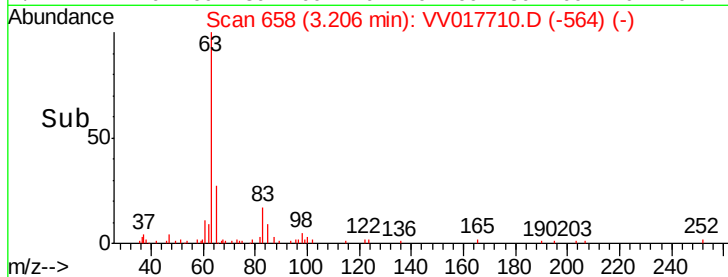
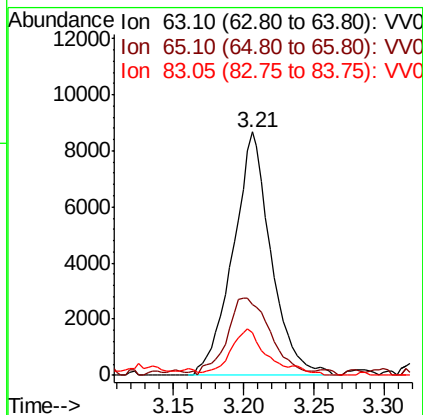
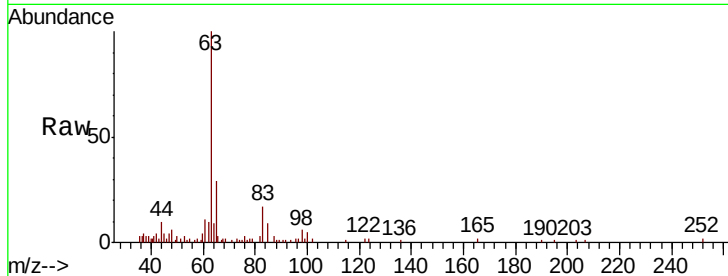




#19
 1,1-Dichloroethane
 Concen: 1.020 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. 0.00 min
 Lab File: VV017710.D
 Acq: 28 Jul 2020 17:29

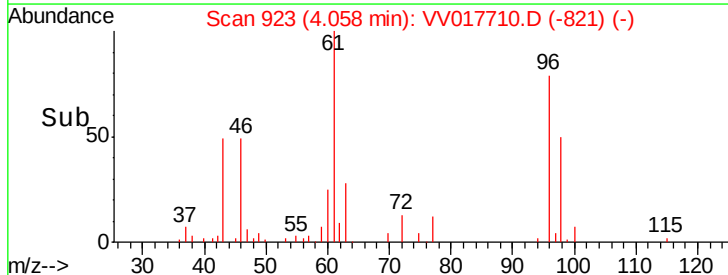
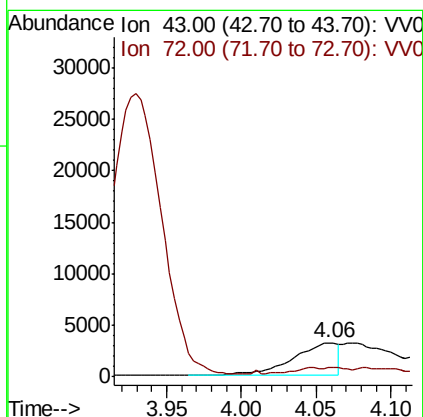
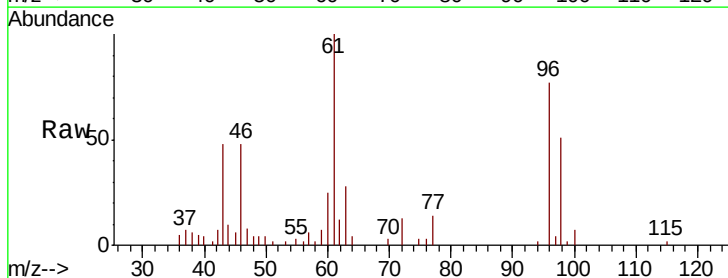
Instrument :
 MSVOA_V
 ClientSampleId :

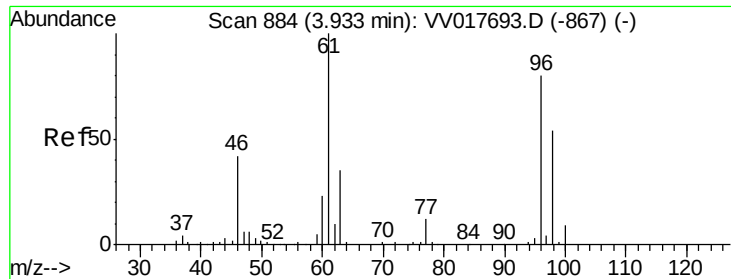
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.7	21.4	39.8
83	17.4	10.4	19.4



#21
 2-Butanone
 Concen: 3.398 ug/L
 RT: 4.06 min Scan# 923
 Delta R.T. 0.03 min
 Lab File: VV017710.D
 Acq: 28 Jul 2020 17:29

Tgt Ion	Ratio	Lower	Upper
43	100		
72	993.8	13.0	38.9#



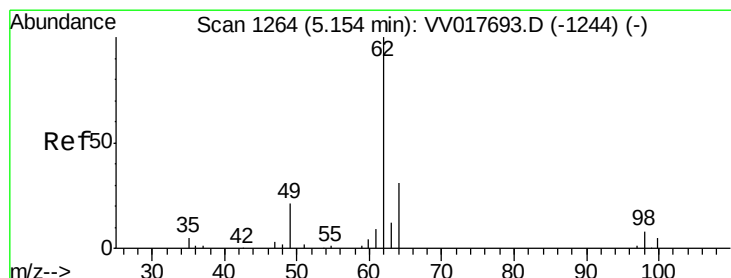
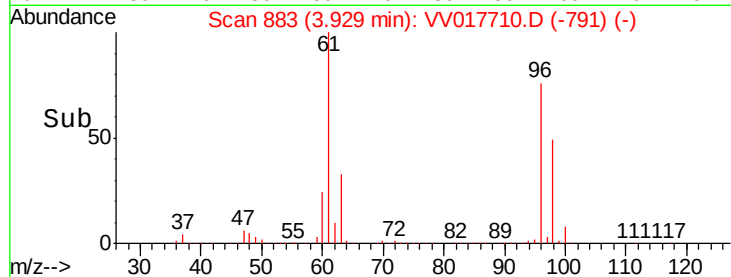
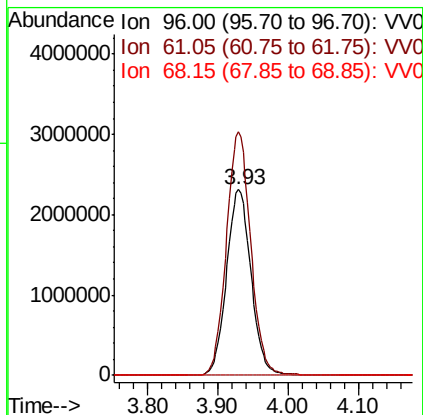
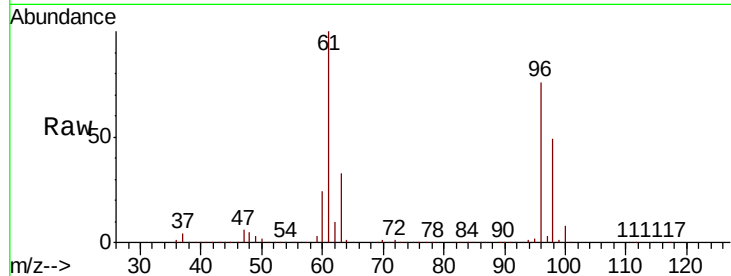


#22

cis-1,2-Dichloroethene
 Concen: 585.119 ug/L
 RT: 3.93 min Scan# 883
 Delta R.T. -0.00 min
 Lab File: VV017710.D
 Acq: 28 Jul 2020 17:29

Instrument :
 MSVOA_V
 ClientSampled :

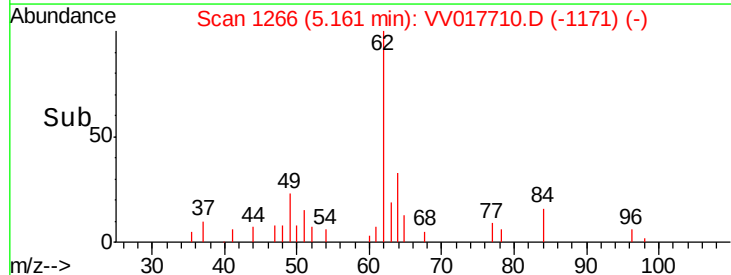
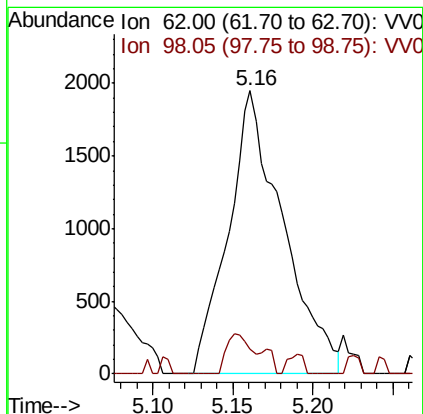
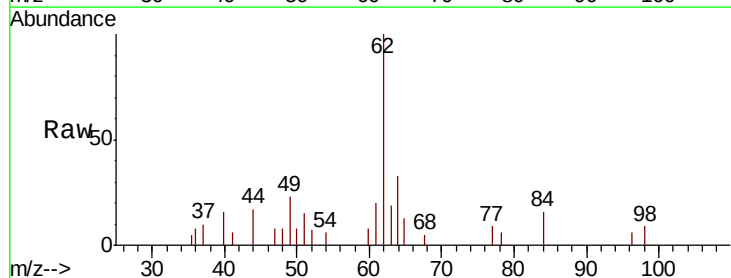
Tot Ion: 96 Resp: 5620991
 Ion Ratio Lower Upper
 96 100
 61 130.9 89.6 166.4
 68 0.0 0.0 0.0

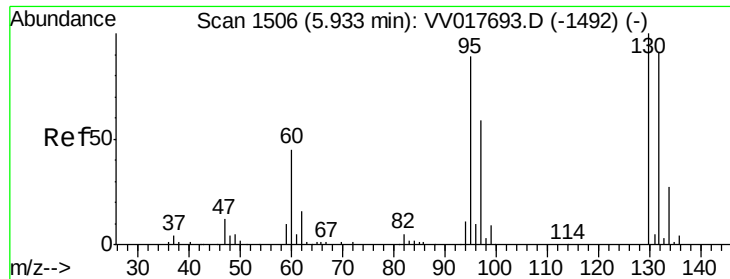


#27

1,2-Dichloroethane
 Concen: 0.391 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VV017710.D
 Acq: 28 Jul 2020 17:29

Tgt Ion: 62 Resp: 4562
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.0 10.6





#34

Trichloroethene

Concen: 1.298 ug/L

RT: 5.93 min Scan# 1506

Delta R.T. -0.00 min

Lab File: VV017710.D

Acq: 28 Jul 2020 17:29

Instrument :

MSVOA_V

ClientSampled :

Tot Ion: 95 Resp: 13477

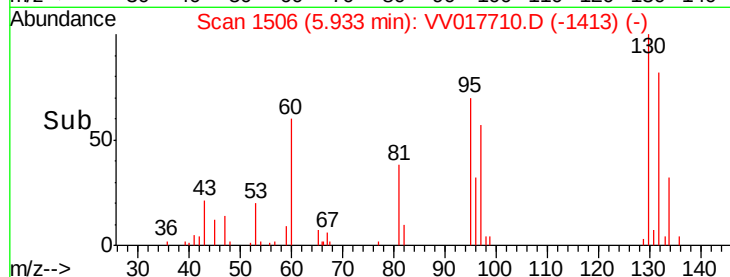
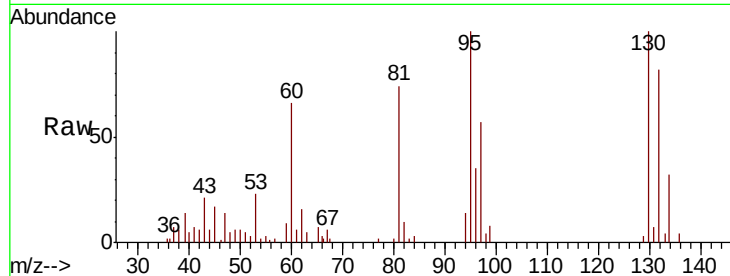
Ion Ratio Lower Upper

95 100

97 57.3 46.1 85.5

132 82.2 71.7 133.1

130 100.3 74.3 137.9

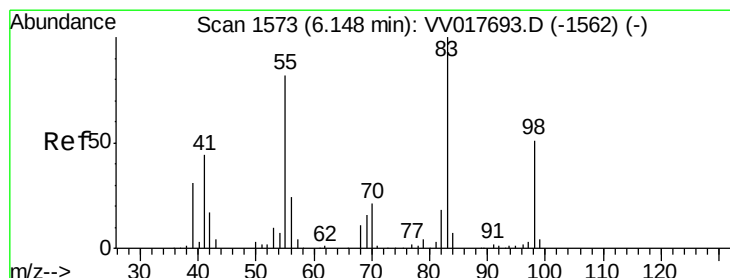
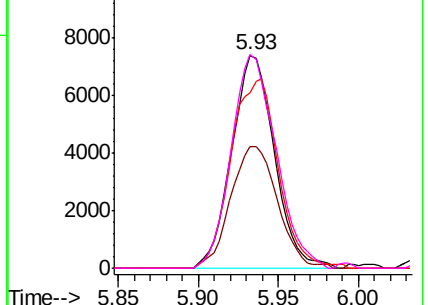


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 0.662 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.05 min

Lab File: VV017710.D

Acq: 28 Jul 2020 17:29

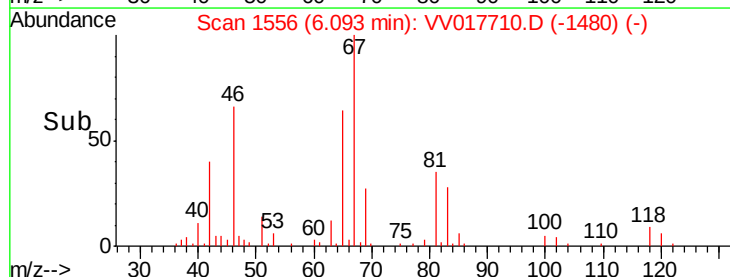
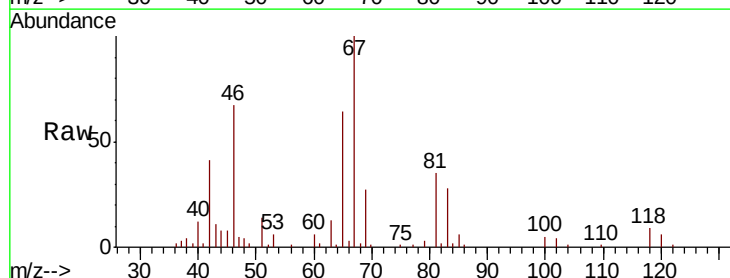
Tgt Ion: 83 Resp: 10393

Ion Ratio Lower Upper

83 100

55 0.4 61.8 92.8#

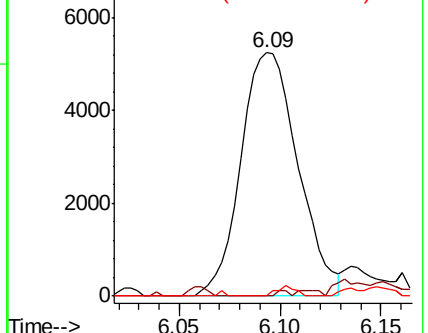
98 1.4 39.0 58.6#

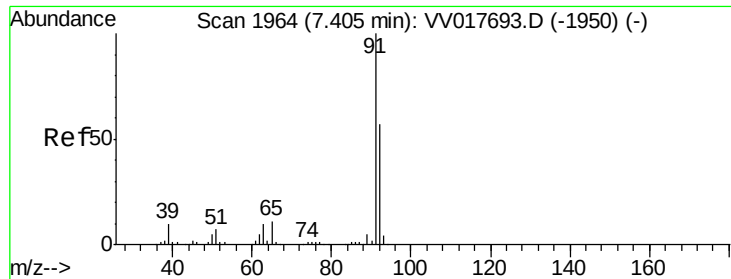


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#42

Toluene

Concen: 0.173 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.01 min

Lab File: VV017710.D

Acq: 28 Jul 2020 17:29

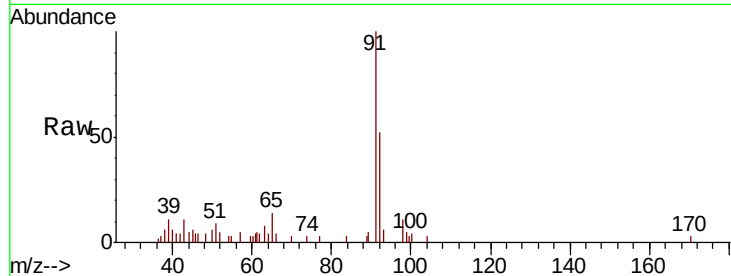
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 7009

Ion Ratio Lower Upper

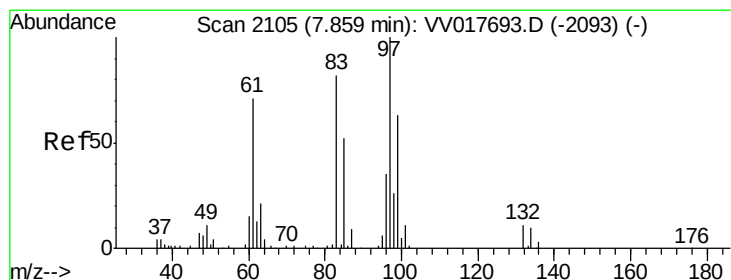
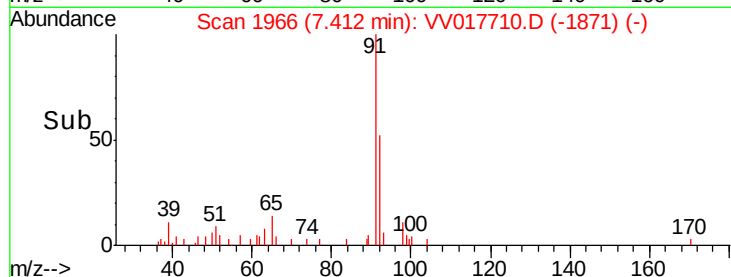
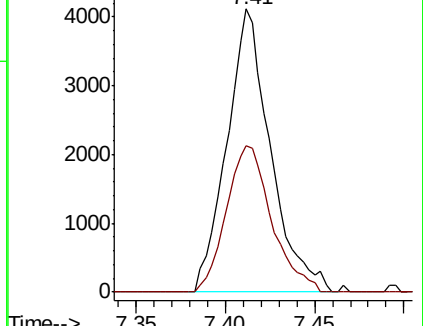
91 100

92 51.8 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV017693.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017693.D (-1950) (-)



#47

1,1,2-Trichloroethane

Concen: 0.150 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV017710.D

Acq: 28 Jul 2020 17:29

Tgt Ion: 97 Resp: 992

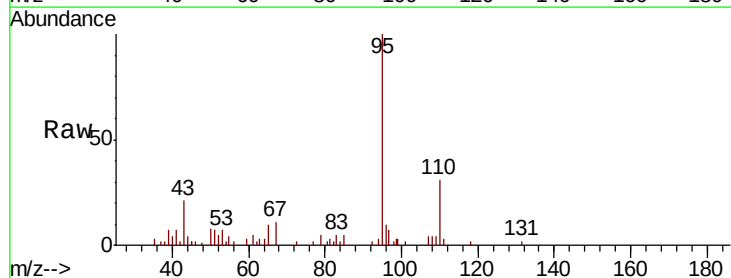
Ion Ratio Lower Upper

97 100

99 79.7 39.5 73.4#

83 64.1 52.6 97.6

85 67.4 35.1 65.1#

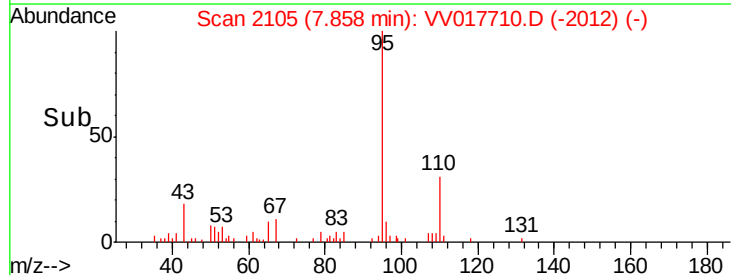
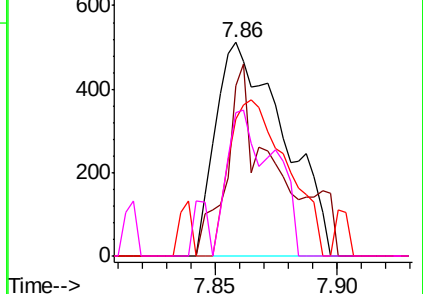


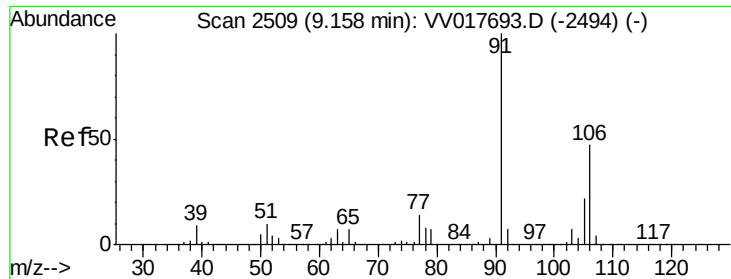
Abundance Ion 96.95 (96.65 to 97.65): VV017693.D (-2093) (-)

Ion 99.05 (98.75 to 99.75): VV017693.D (-2093) (-)

Ion 82.95 (82.65 to 83.65): VV017693.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV017693.D (-2093) (-)





#55
 m,p-xylene
 Concen: 0.164 ug/L
 RT: 9.16 min Scan# 2509
 Delta R.T. -0.00 min
 Lab File: VV017710.D
 Acq: 28 Jul 2020 17:29

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:106 Resp: 2809
 Ion Ratio Lower Upper
 106 100
 91 171.1 141.3 262.3

