

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV042520\
 Data File : VV015707.D
 Acq On : 25 Apr 2020 20:34
 Operator : SY/MD
 Sample : L2413-14
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKM3

Manual Integrations
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 4/27/2020 11:48:46 AM

Quant Time: Apr 27 05:06:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042220WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Apr 27 01:12:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	127273	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	124016	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	57692	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	100379	15.09	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	301.80%#
7) Chloroethane-d5	1.58	69	29499	4.60	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	92.00%
11) 1,1-Dichloroethene-d2	2.13	63	74703	5.13	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	102.60%
20) 2-Butanone-d5	3.94	46	124632	58.36	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	116.72%
24) Chloroform-d	4.38	84	74216	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.80%
26) 1,2-Dichloroethane-d4	5.06	65	42703	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
32) Benzene-d6	5.08	84	137639	4.65	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.00%
36) 1,2-Dichloropropane-d6	6.09	67	45476	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	7.34	98	125808	4.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.40%
43) trans-1,3-Dichloropropene-	7.65	79	11373	3.11	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	62.20%
46) 2-Hexanone-d5	8.11	63	80744	45.27	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	90.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	33811	4.80	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.00%
64) 1,2-Dichlorobenzene-d4	11.65	152	47964	4.89	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	8207776	814.865	ug/L	90
12) 1,1-Dichloroethene	2.13	96	50340	6.796	ug/L	92
14) Carbon disulfide	2.31	76	16096	0.769	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	6321	0.304	ug/L #	77
18) trans-1,2-Dichloroethene	2.78	96	220748	26.615	ug/L	97
22) cis-1,2-Dichloroethene	3.94	96	26894218m	2932.680	ug/L	
30) Cyclohexane	4.70	56	2025	0.135	ug/L #	90
34) Trichloroethene	5.94	95	12819	1.310	ug/L	95
42) Toluene	7.42	91	5815	0.154	ug/L	95
47) Tetrachloroethene	8.00	164	5773	0.819	ug/L	97
48) 2-Hexanone	8.17	43	1984	0.476	ug/L #	39

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

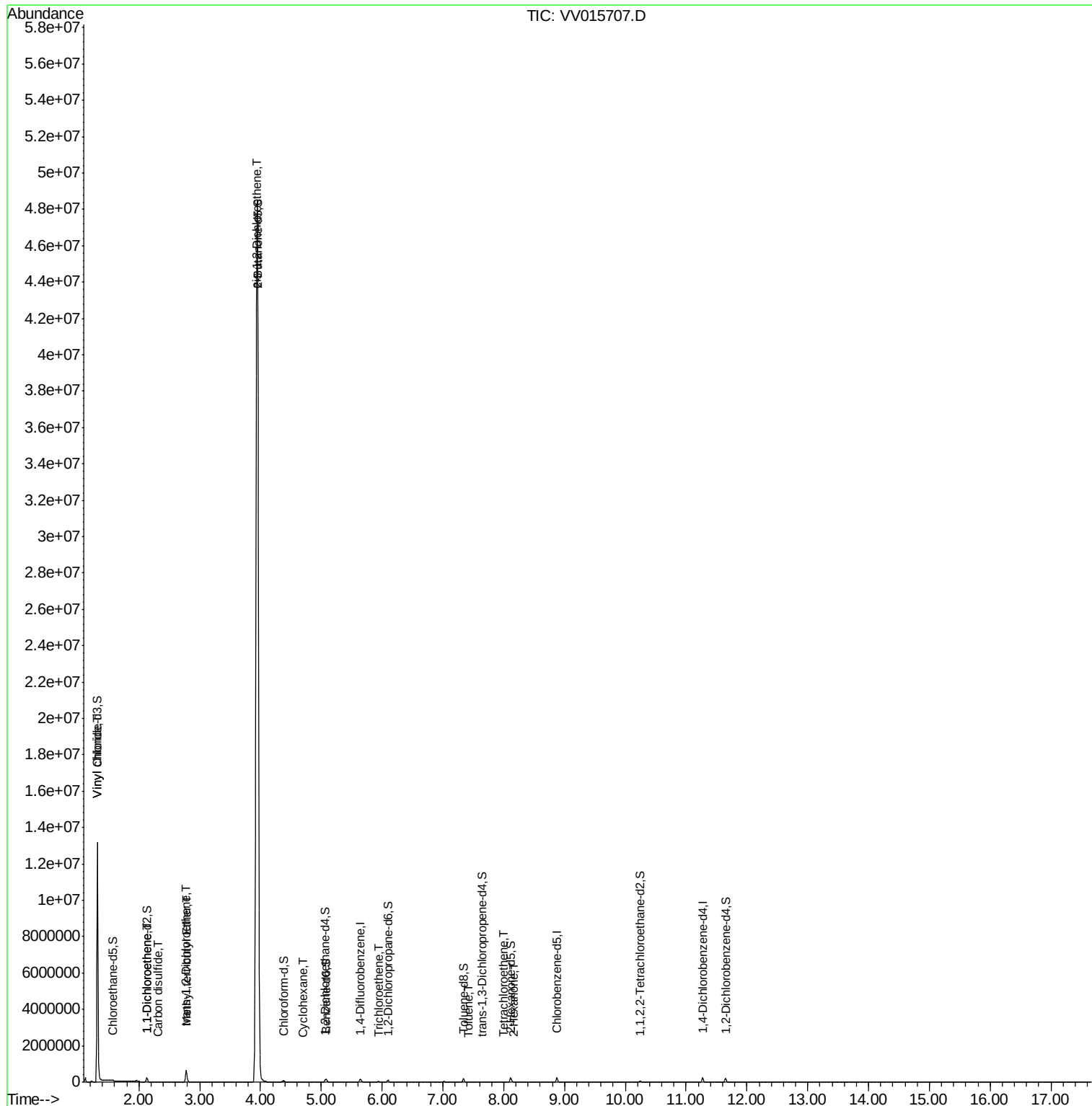
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV042520\
Data File : VV015707.D
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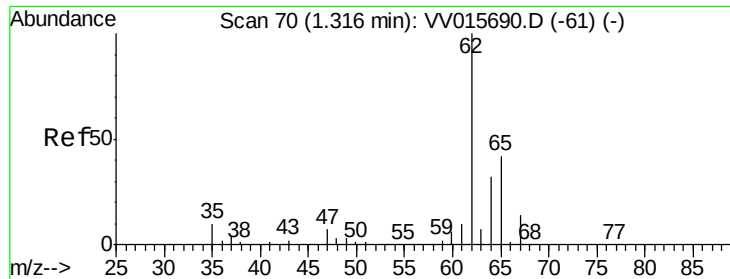
Instrument :
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ClientSampleId :
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Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Apr 27 01:12:28 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 814.865 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV015707.D

Acq: 25 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampled :

ETKM3

Tot Ion: 62 Resp: 8207776

Ion Ratio Lower Upper

62 100

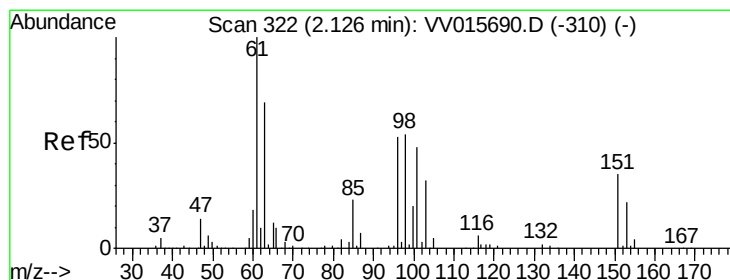
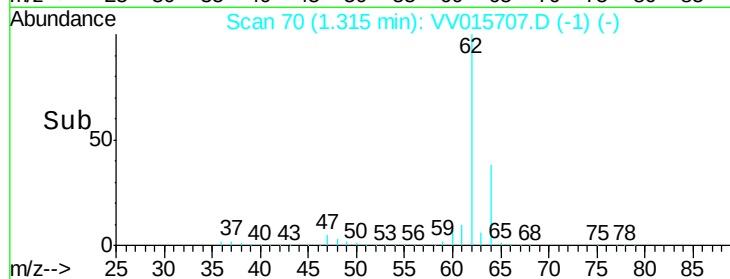
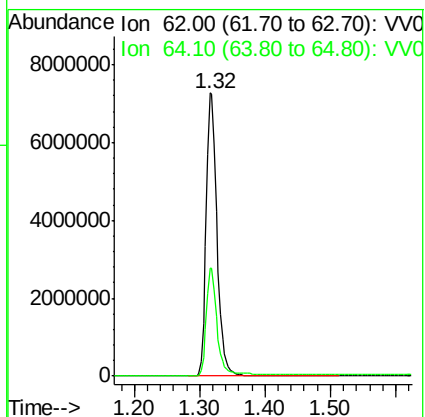
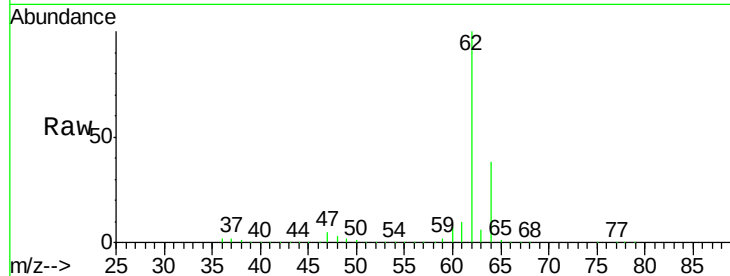
64 38.2 22.7 42.1

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#12

1,1-Dichloroethene

Concen: 6.796 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV015707.D

Acq: 25 Apr 2020 20:34

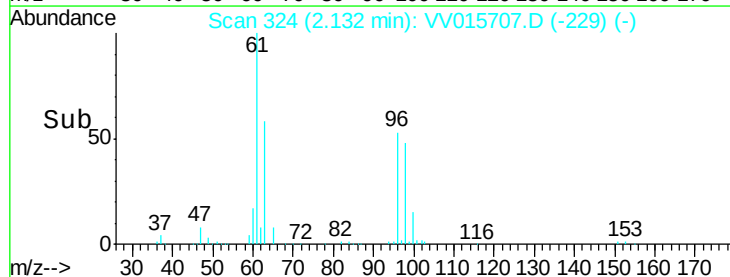
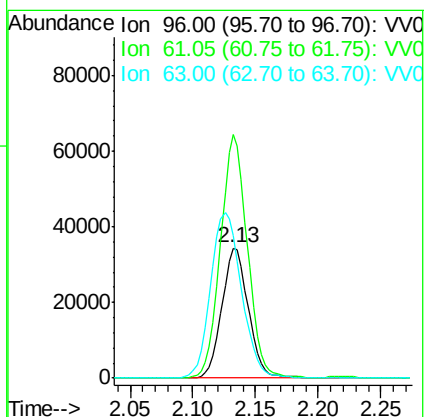
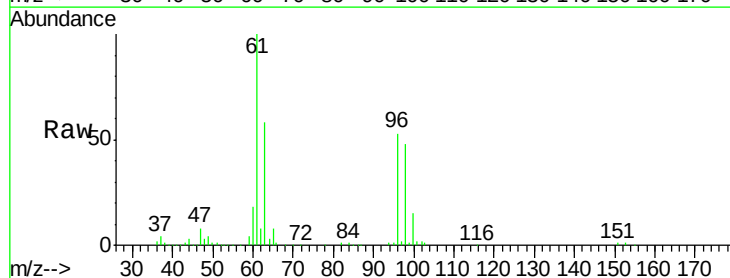
Tgt Ion: 96 Resp: 50340

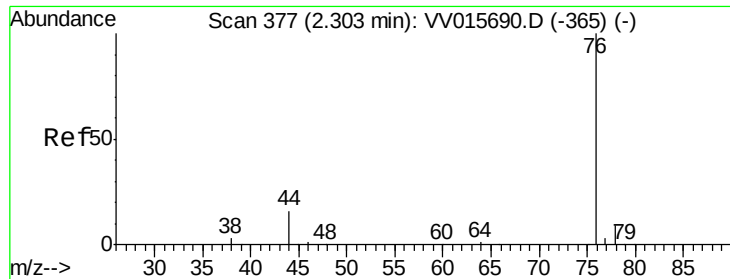
Ion Ratio Lower Upper

96 100

61 187.3 130.1 241.7

63 109.2 91.4 169.8





#14

Carbon disulfide

Concen: 0.769 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV015707.D

Acq: 25 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampled :

ETKM3

Tot Ion: 76 Resp: 16096

Ion Ratio Lower Upper

76 100

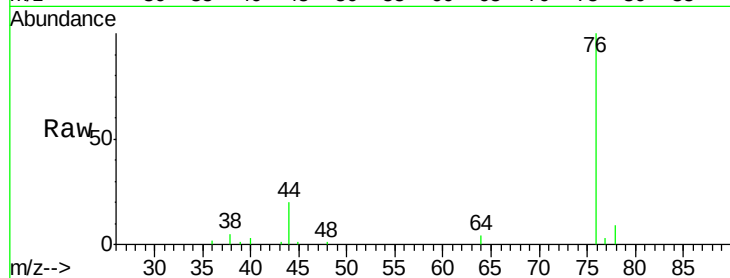
78 8.7 7.4 11.0

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Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

10000

8000

6000

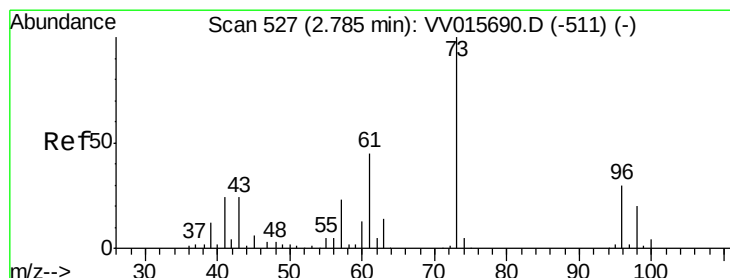
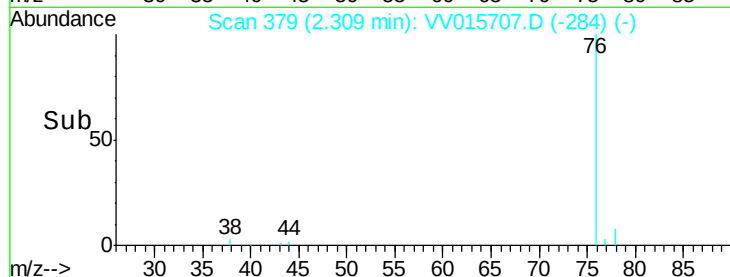
4000

2000

0

Time-->

2.25 2.30 2.35 2.40



#17

Methyl tert-butyl Ether

Concen: 0.304 ug/L

RT: 2.79 min Scan# 529

Delta R.T. 0.01 min

Lab File: VV015707.D

Acq: 25 Apr 2020 20:34

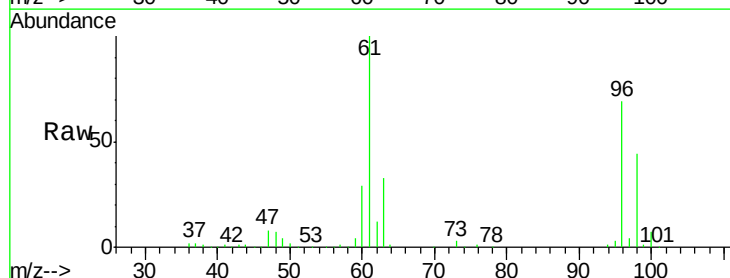
Tgt Ion: 73 Resp: 6321

Ion Ratio Lower Upper

73 100

43 34.2 20.1 30.1#

57 36.1 17.8 26.8#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0

2.79

4000

3000

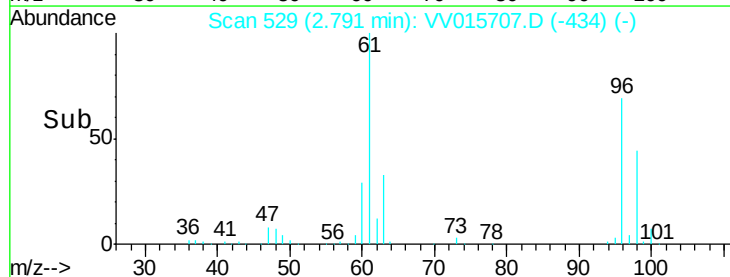
2000

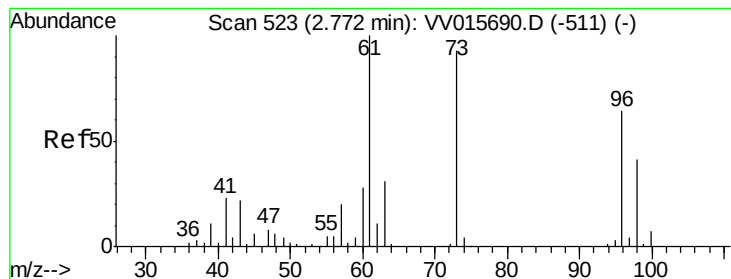
1000

0

Time-->

2.75 2.80 2.85





#18

trans-1,2-Dichloroethene

Concen: 26.615 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.01 min

Lab File: VV015707.D

Acq: 25 Apr 2020 20:34

Instrument :

MSVOA_V

ClientSampled :

ETKM3

Tot Ion: 96 Resp: 220748

Ion Ratio Lower Upper

96 100

61 154.8 105.5 195.9

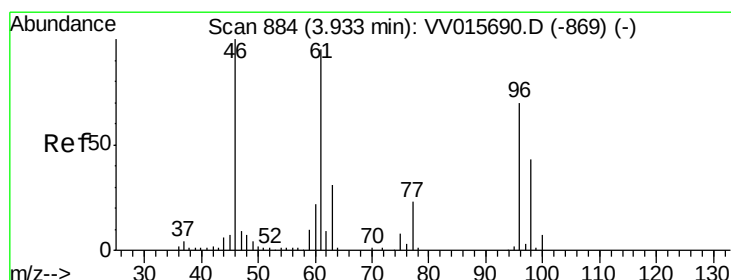
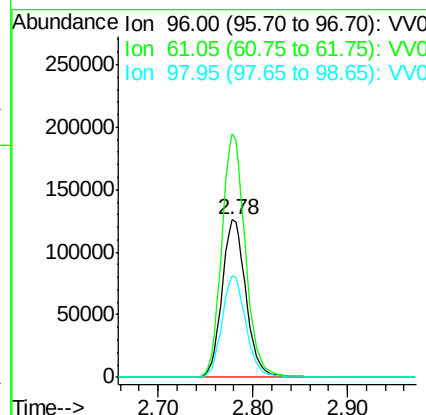
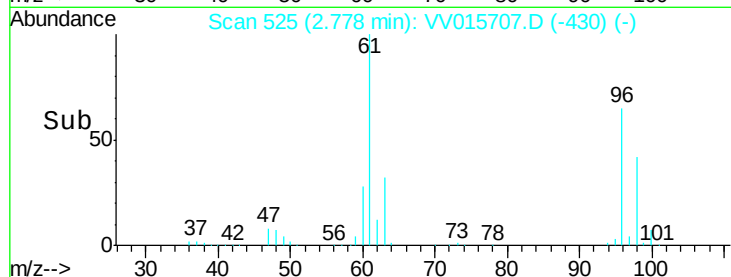
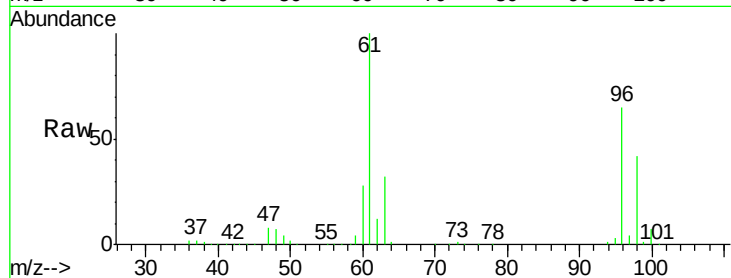
98 64.6 44.2 82.0

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#22

cis-1,2-Dichloroethene

Concen: 2932.680 ug/L m

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV015707.D

Acq: 25 Apr 2020 20:34

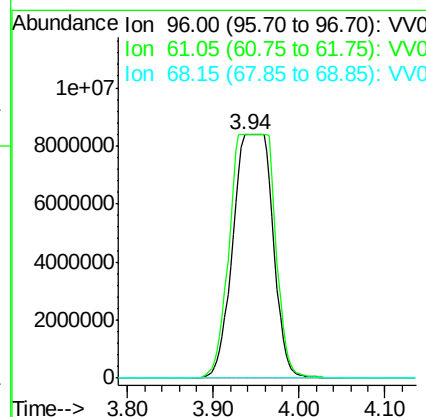
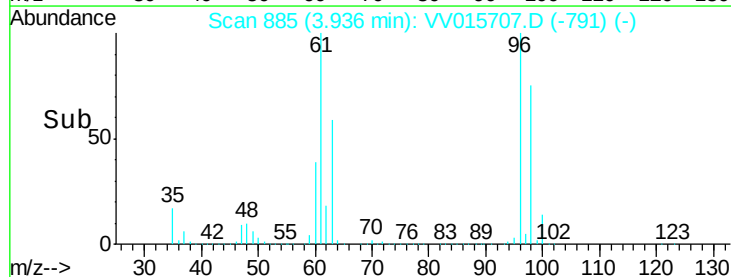
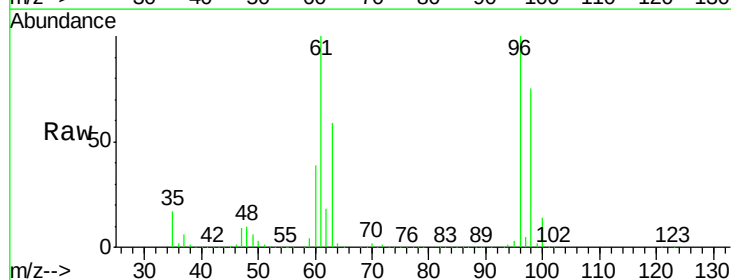
Tgt Ion: 96 Resp: 26894218

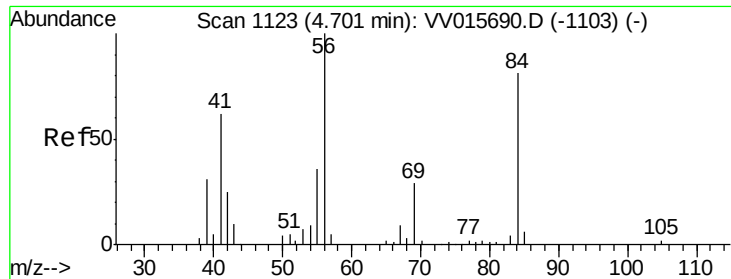
Ion Ratio Lower Upper

96 100

61 100.0 96.4 179.0

68 0.0 0.0 0.0#





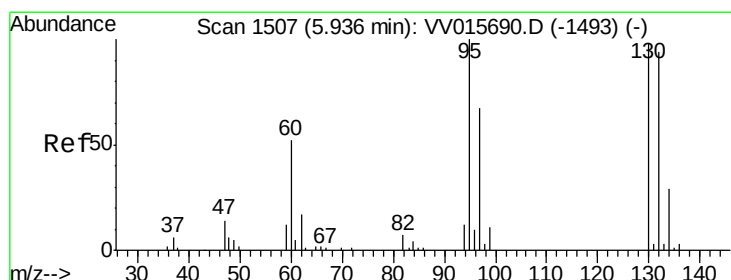
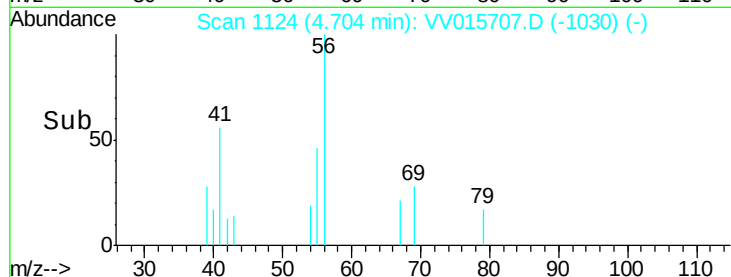
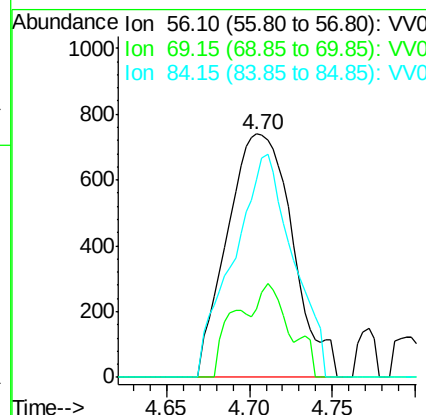
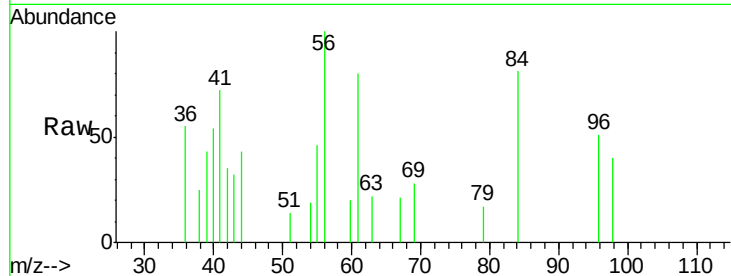
#30
Cyclohexane
Concen: 0.135 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV015707.D
Acq: 25 Apr 2020 20:34

Instrument :
MSVOA_V
ClientSampled :
ETKM3

Tot Ion: 56 Resp: 2025
Ion Ratio Lower Upper
56 100
69 10.0 23.9 35.9#
84 83.4 66.9 100.3

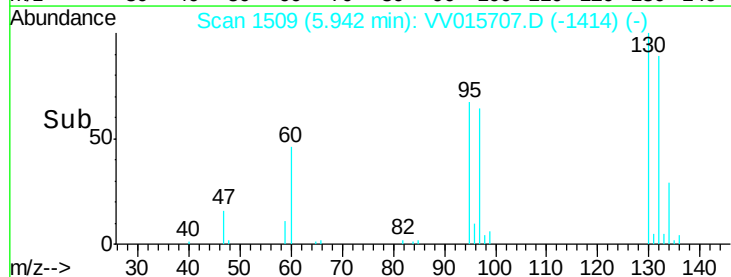
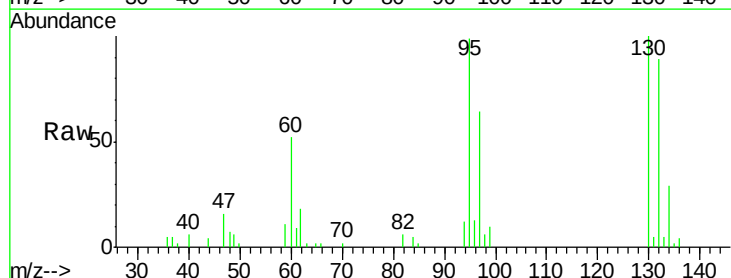
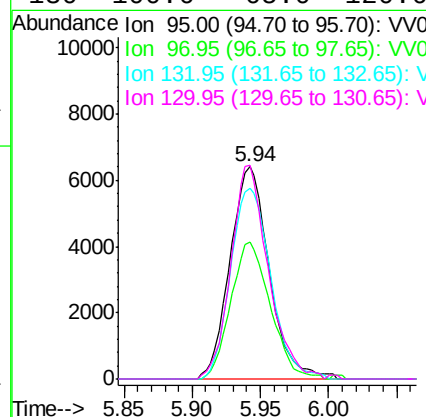
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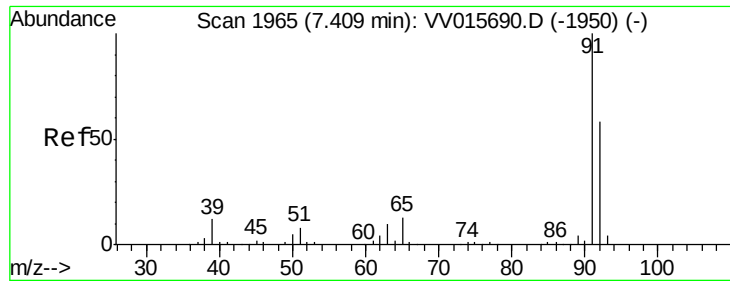
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#34
Trichloroethene
Concen: 1.310 ug/L
RT: 5.94 min Scan# 1509
Delta R.T. 0.01 min
Lab File: VV015707.D
Acq: 25 Apr 2020 20:34

Tgt Ion: 95 Resp: 12819
Ion Ratio Lower Upper
95 100
97 64.6 44.7 82.9
132 89.6 65.2 121.0
130 100.6 65.0 120.6





#42

Toluene

Concen: 0.154 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV015707.D

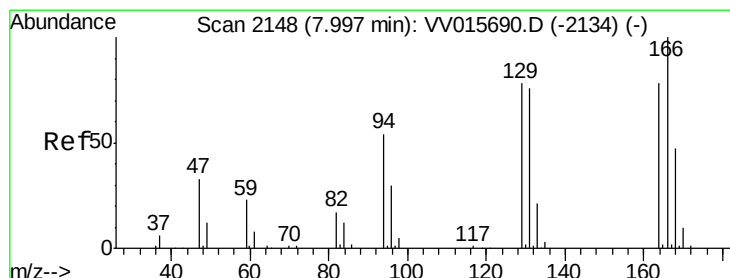
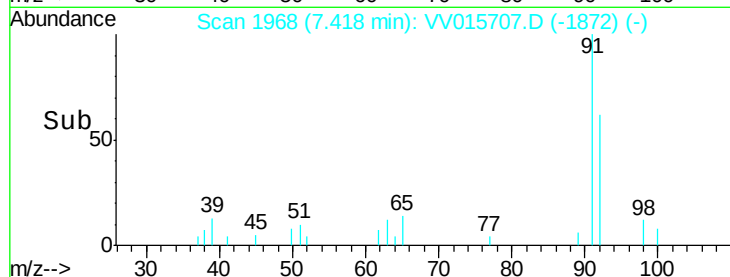
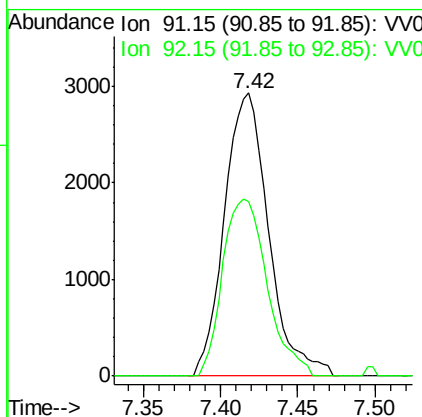
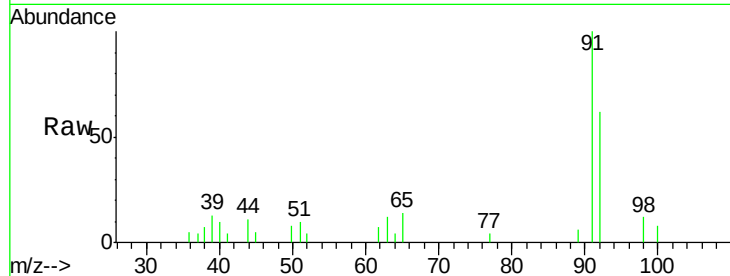
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Instrument :
MSVOA_V
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ETKM3

Tot Ion: 91 Resp: 5815
Ion Ratio Lower Upper
91 100
92 61.6 40.7 75.7

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#47

Tetrachloroethene

Concen: 0.819 ug/L

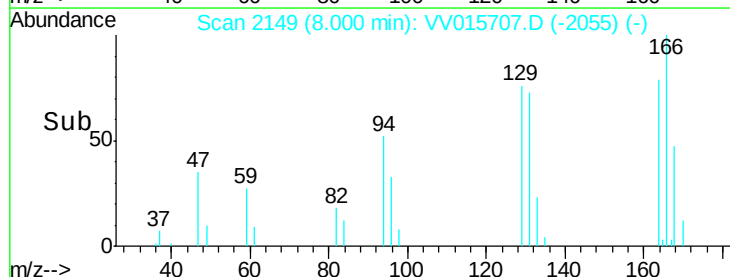
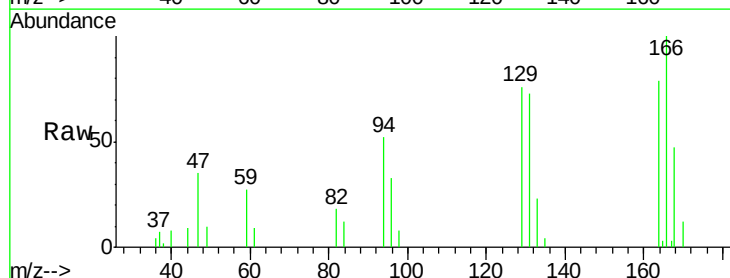
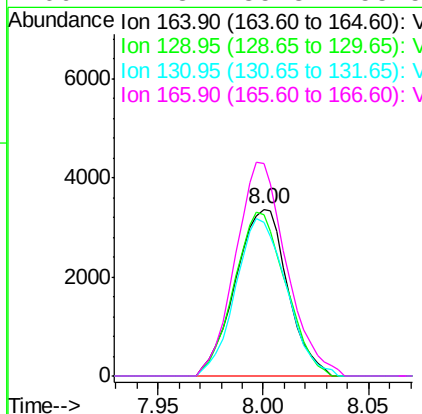
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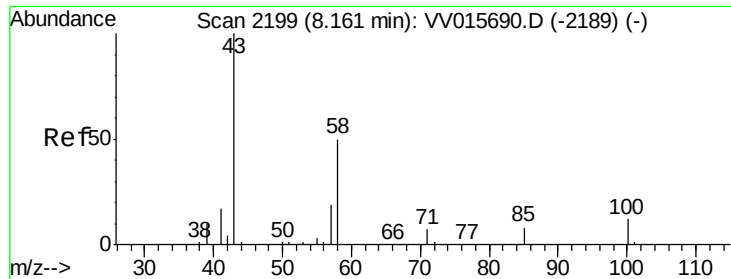
Delta R.T. 0.00 min

Lab File: VV015707.D

Acq: 25 Apr 2020 20:34

Tgt Ion: 164 Resp: 5773
Ion Ratio Lower Upper
164 100
129 97.0 66.7 123.9
131 92.4 66.6 123.6
166 127.3 85.3 158.5





#48
 2-Hexanone
 Concen: 0.476 ug/L
 RT: 8.17 min Scan# 2202
 Delta R.T. 0.01 min
 Lab File: VV015707.D
 Acq: 25 Apr 2020 20:34

Instrument :
 MSVOA_V
 ClientSampleId :
 ETKM3

Tot Ion:	43	Resp:	1984
Ion Ratio	Lower	Upper	
43	100		
58	0.0	41.1	61.7#
57	41.0	15.0	22.4#
100	4.1	9.0	13.4#

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