

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052920\
 Data File : VV016337.D
 Acq On : 30 May 2020 02:19
 Operator : SY/MD
 Sample : L2826-10
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 CWKC3

Quant Time: May 30 04:25:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat May 30 03:05:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	79540	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	57931	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	12080	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	26108	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	20278	4.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	90.40%
11) 1,1-Dichloroethene-d2	2.13	63	35906	3.74	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	74.80%
20) 2-Butanone-d5	3.94	46	74277	58.62	ug/L	-0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	117.24%
24) Chloroform-d	4.38	84	49290	4.85	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.00%
26) 1,2-Dichloroethane-d4	5.06	65	26603	4.94	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.80%
32) Benzene-d6	5.08	84	92860	6.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	129.40%#
36) 1,2-Dichloropropane-d6	6.10	67	28071	6.32	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	126.40%
41) Toluene-d8	7.34	98	78356	5.73	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	114.60%
45) trans-1,3-Dichloropropene-	7.64	79	9329	5.64	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	112.80%
48) 2-Hexanone-d5	8.12	63	55225	72.76	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	145.52%#
59) 1,1,2,2-Tetrachloroethane-	10.24	84	12673	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	77.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	9196	4.56	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	91.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	1228	0.160	ug/L	100
5) Vinyl chloride	1.32	62	32628	4.684	ug/L #	1
14) Carbon disulfide	2.31	76	31918	2.195	ug/L	99
16) Methylene chloride	2.52	84	11125	2.068	ug/L	99
17) Methyl tert-butyl Ether	2.79	73	2824	0.244	ug/L #	1
18) trans-1,2-Dichloroethene	2.78	96	40066	7.804	ug/L	94
21) 2-Butanone	4.03	43	389615	279.231	ug/L	91
22) cis-1,2-Dichloroethene	3.94	96	514295	84.698	ug/L	97
23) Bromochloromethane	4.28	128	505	0.219	ug/L	79
25) Chloroform	4.41	83	34875	3.379	ug/L	96
30) Cyclohexane	4.70	56	1318	0.179	ug/L #	78
33) Benzene	5.14	78	2489	0.149	ug/L	100
34) Trichloroethene	5.94	95	59110	13.611	ug/L	97
42) Toluene	7.42	91	5037	0.277	ug/L	98
49) Tetrachloroethene	8.00	164	1233	0.395	ug/L	97
53) Chlorobenzene	8.90	112	2128	0.189	ug/L	92
55) m,p-xylene	9.16	106	734	0.097	ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Sat May 30 03:05:25 2020
Response via : Initial Calibration

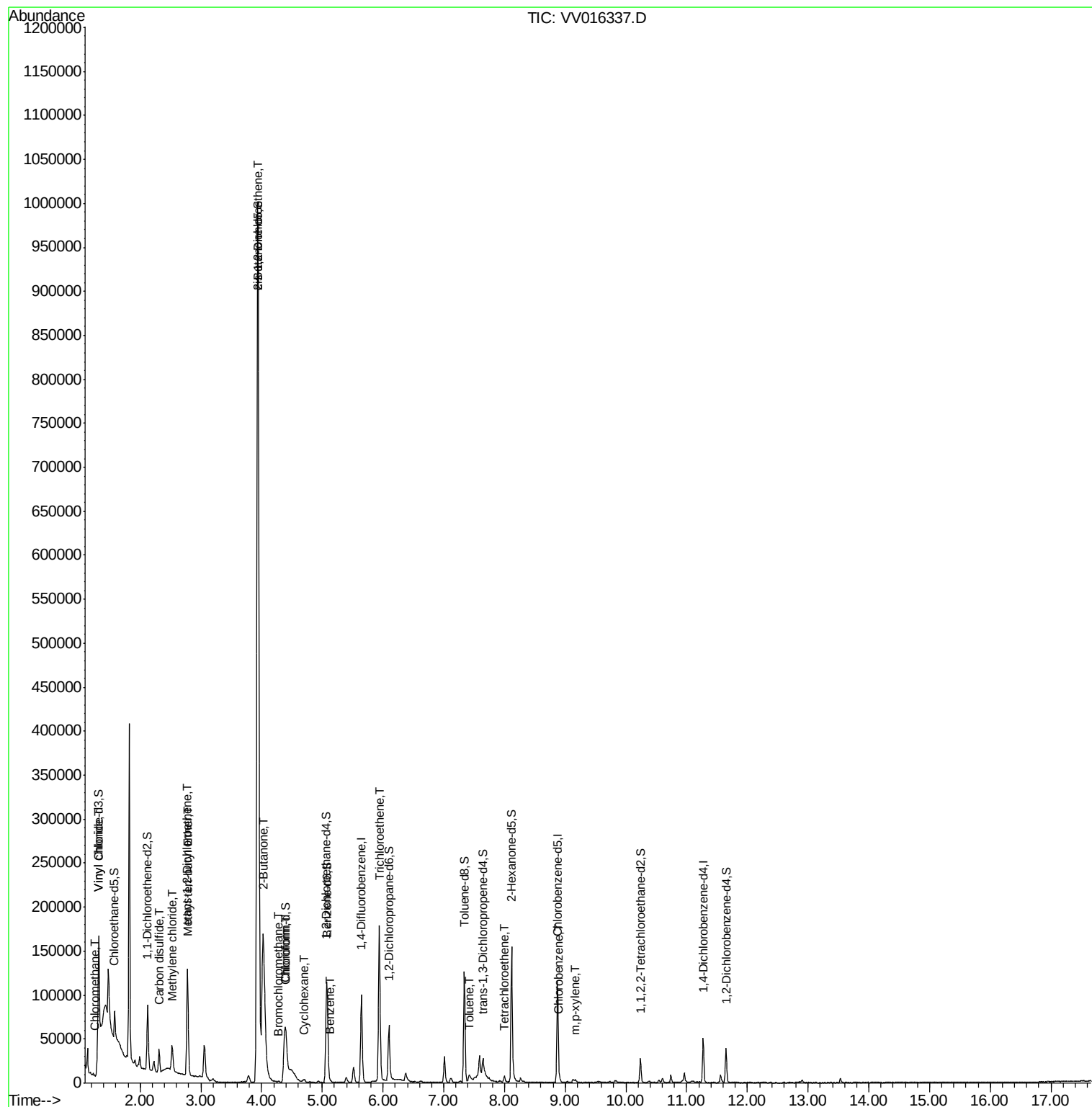
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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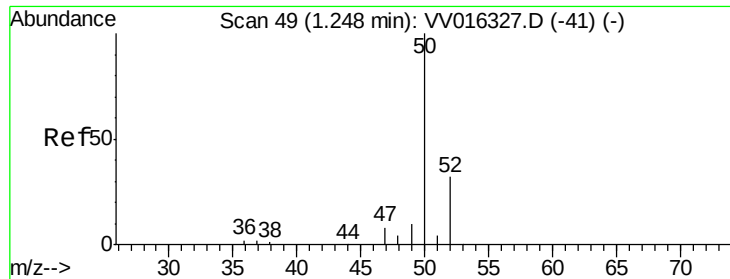
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.160 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

Instrument :

MSVOA_V

ClientSampled :

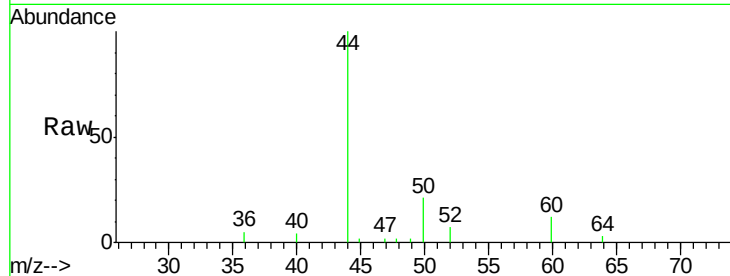
CWKC3

Tot Ion: 50 Resp: 1228

Ion Ratio Lower Upper

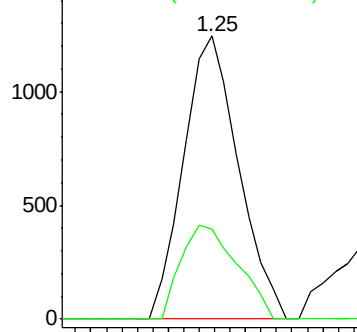
50 100

52 32.1 22.5 41.9

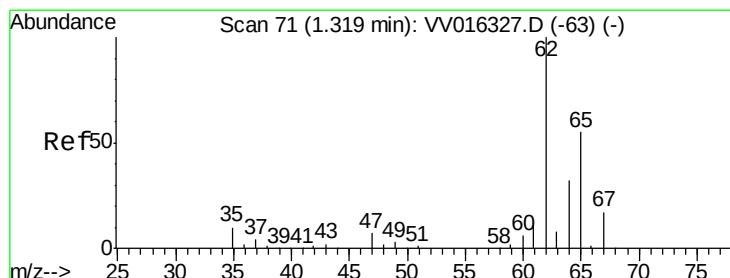
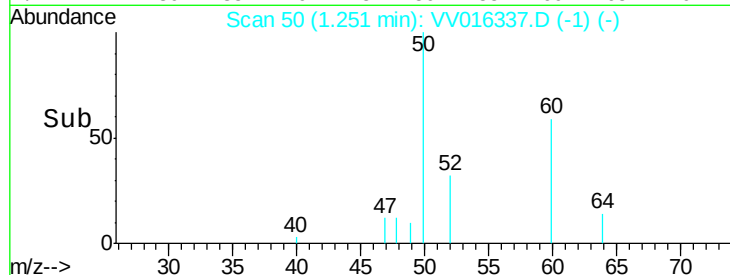


Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time--> 1.22 1.24 1.26 1.28



#5

Vinyl chloride

Concen: 4.684 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV016337.D

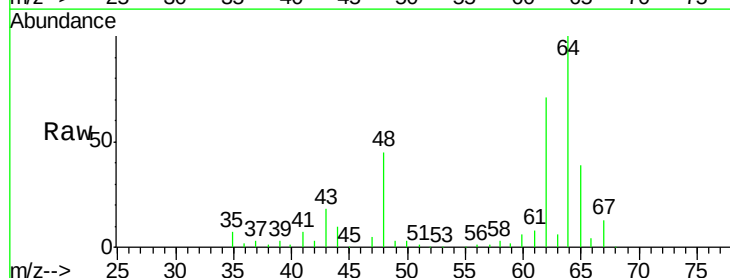
Acq: 30 May 2020 02:19

Tgt Ion: 62 Resp: 32628

Ion Ratio Lower Upper

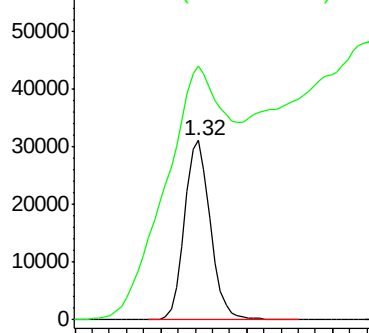
62 100

64 141.1 22.1 41.1#

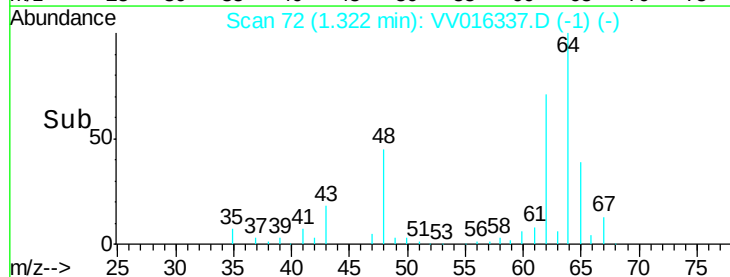


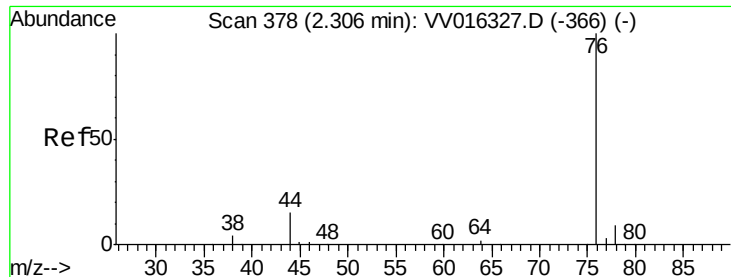
Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



Time--> 1.25 1.30 1.35 1.40





#14

Carbon disulfide

Concen: 2.195 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.01 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

Instrument :

MSVOA_V

ClientSampleId :

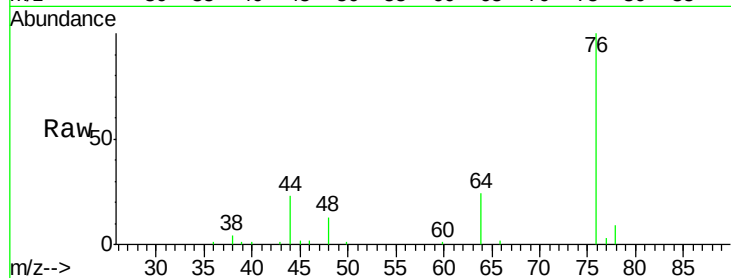
CWKC3

Tot Ion: 76 Resp: 31918

Ion Ratio Lower Upper

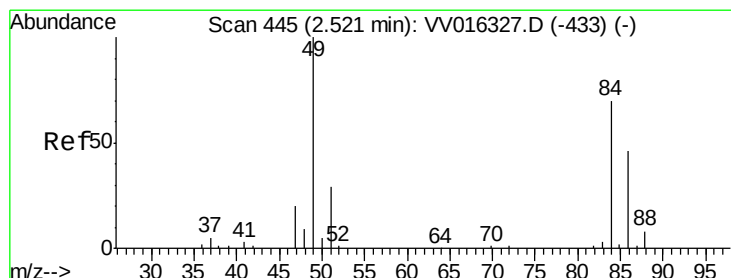
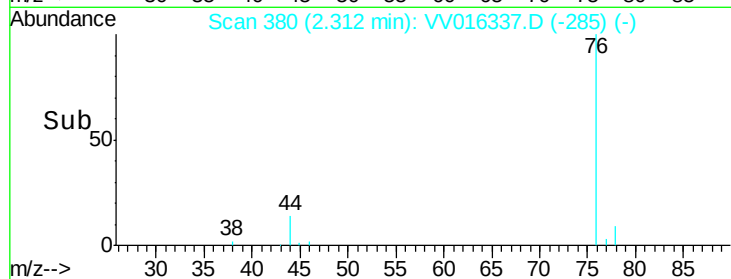
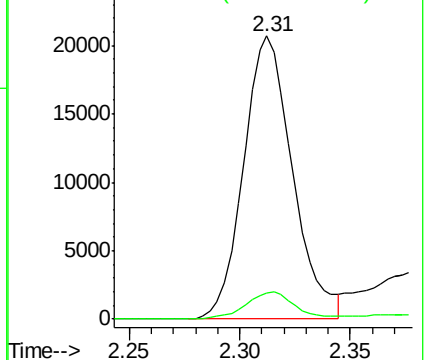
76 100

78 9.4 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 2.068 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

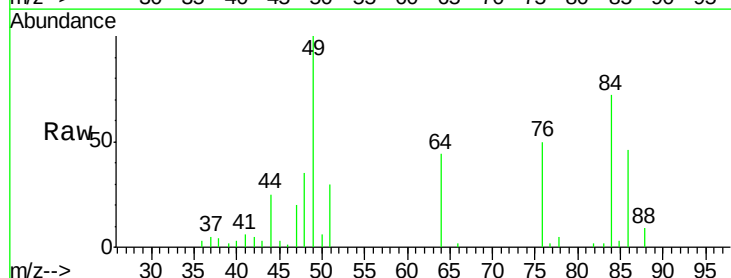
Tgt Ion: 84 Resp: 11125

Ion Ratio Lower Upper

84 100

86 63.9 44.9 83.5

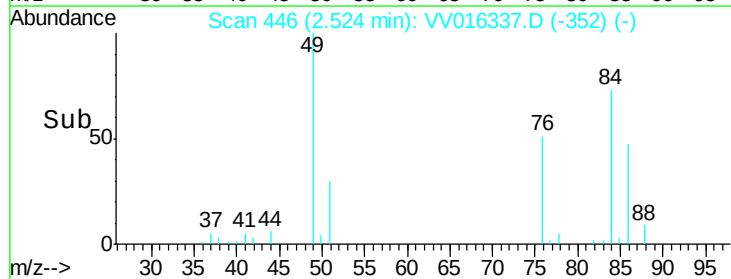
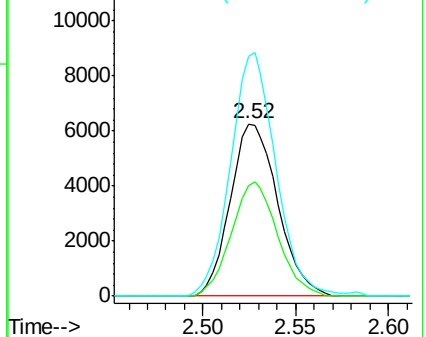
49 139.6 96.7 179.7

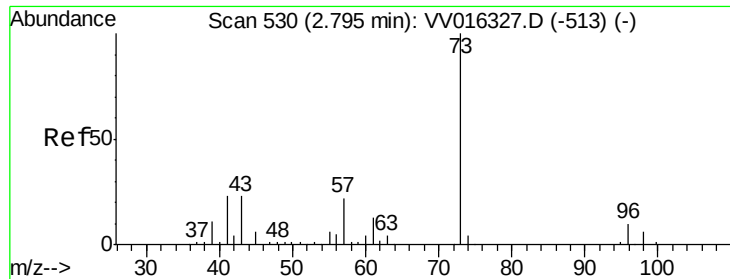


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

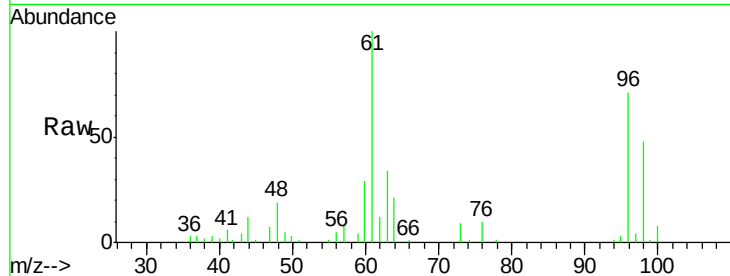




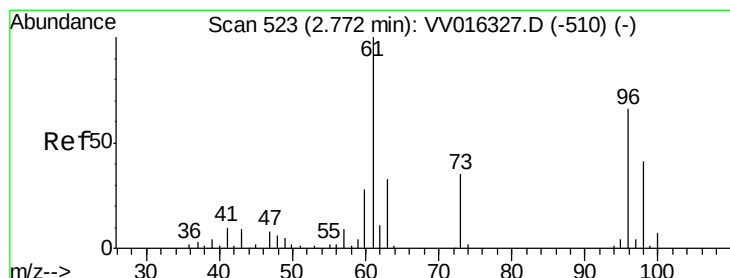
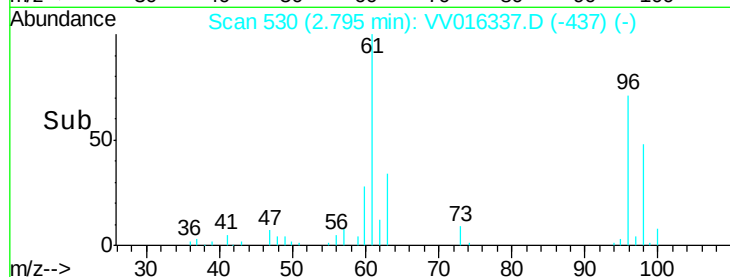
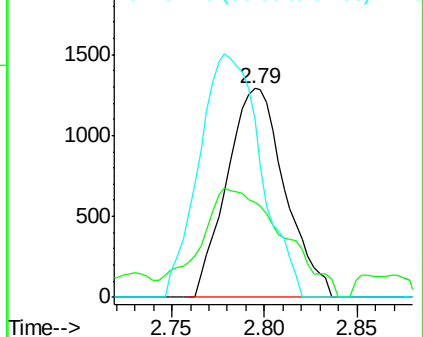
#17
Methyl tert-butyl Ether
Concen: 0.244 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV016337.D
Acq: 30 May 2020 02:19

Instrument :
MSVOA_V
ClientSampleId :
CWKC3

Tot Ion: 73 Resp: 2824
Ion Ratio Lower Upper
73 100
43 75.4 17.8 26.8#
57 123.0 18.9 28.3#

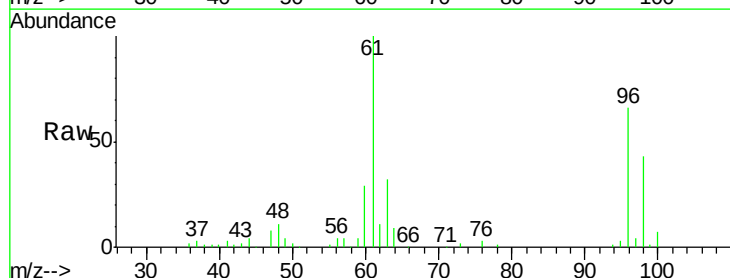


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

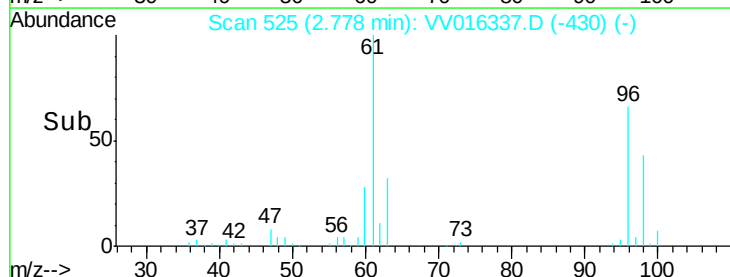
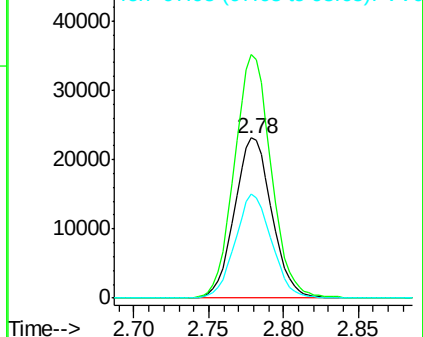


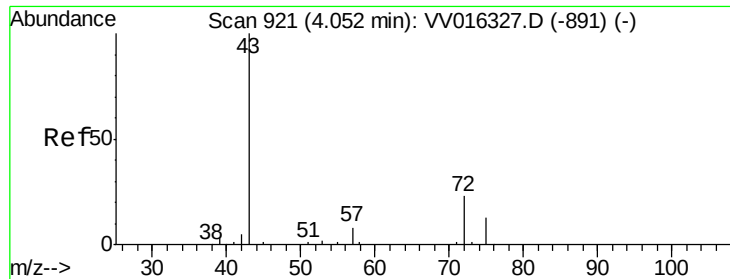
#18
trans-1,2-Dichloroethene
Concen: 7.804 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.01 min
Lab File: VV016337.D
Acq: 30 May 2020 02:19

Tgt Ion: 96 Resp: 40066
Ion Ratio Lower Upper
96 100
61 152.4 99.8 185.4
98 64.9 44.0 81.6



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





#21

2-Butanone

Concen: 279.231 ug/L

RT: 4.03 min Scan# 913

Delta R.T. -0.03 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

Instrument :

MSVOA_V

ClientSampled :

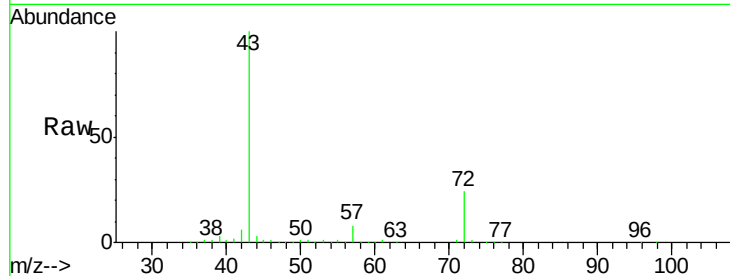
CWKC3

Tot Ion: 43 Resp: 389615

Ion Ratio Lower Upper

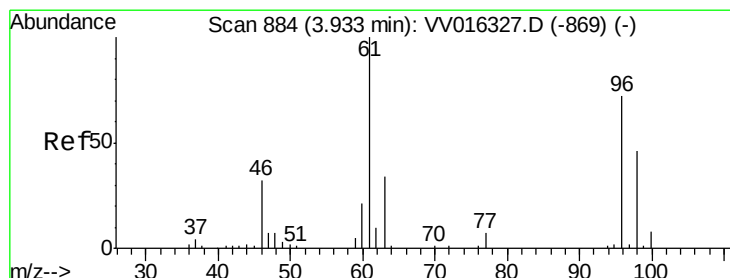
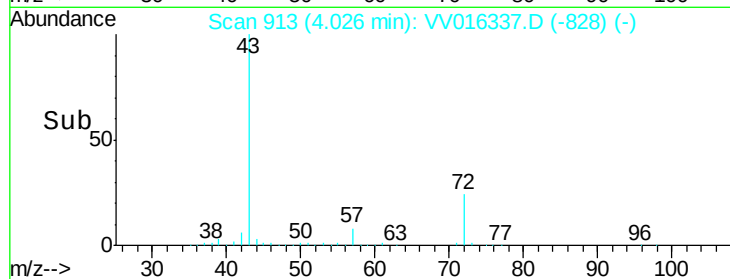
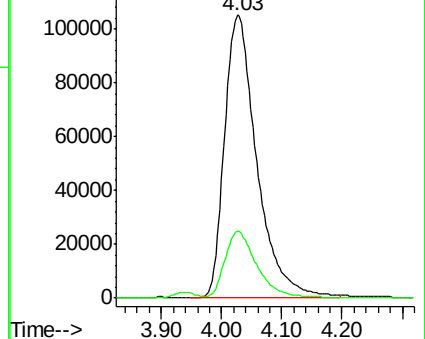
43 100

72 23.4 9.7 28.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0



#22

cis-1,2-Dichloroethene

Concen: 84.698 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.01 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

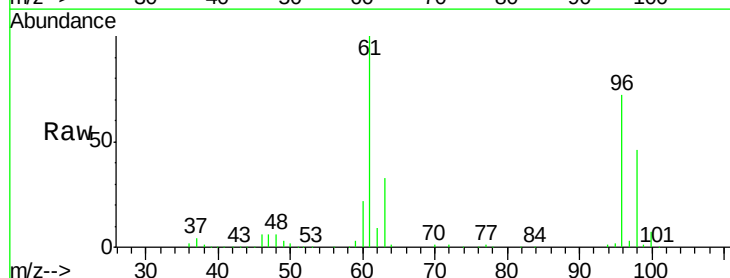
Tgt Ion: 96 Resp: 514295

Ion Ratio Lower Upper

96 100

61 138.6 99.7 185.1

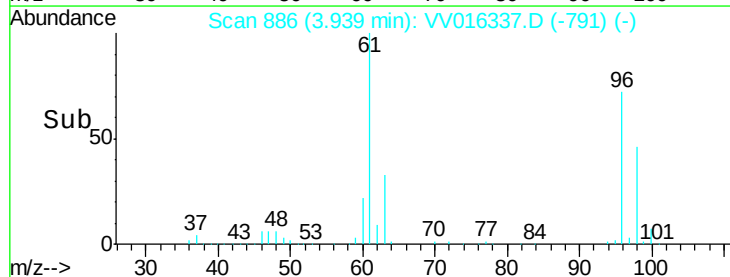
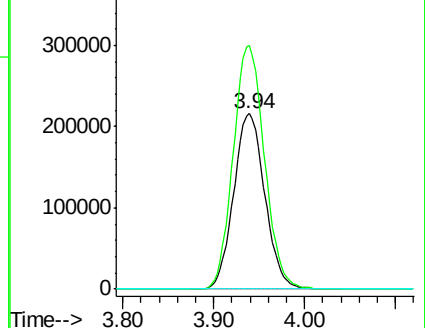
68 0.0 0.0 0.0

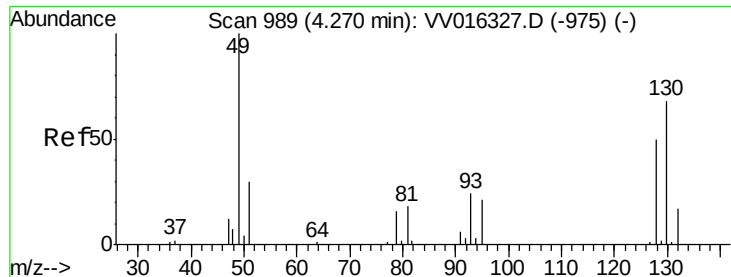


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#23

Bromochloromethane

Concen: 0.219 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

Instrument :

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ClientSampleId :

CWKC3

Tot Ion:128 Resp: 505

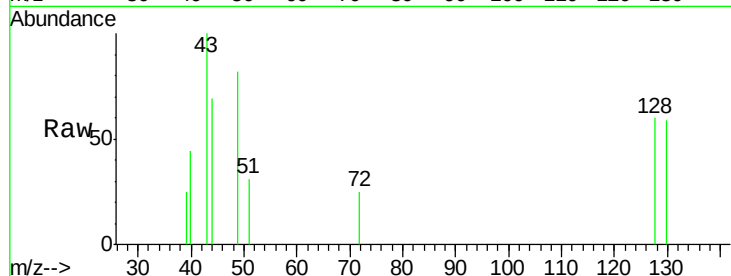
Ion Ratio Lower Upper

128 100

49 137.5 125.5 233.1

130 98.9 83.0 154.2

51 52.8 42.9 64.3

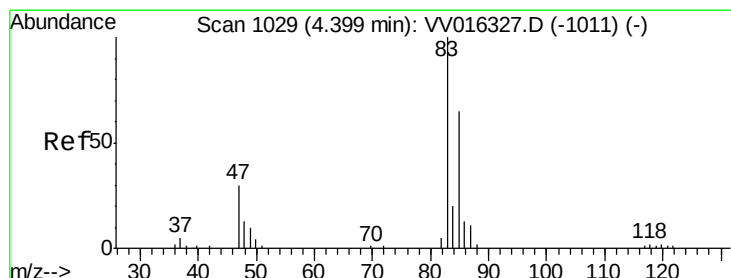
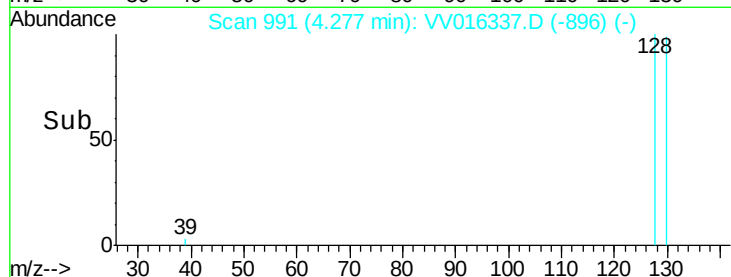
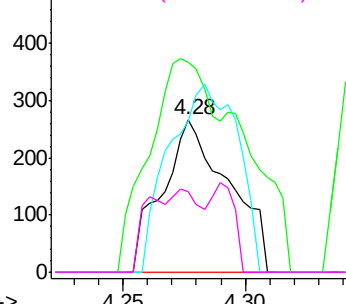


Abundance Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0



#25

Chloroform

Concen: 3.379 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VV016337.D

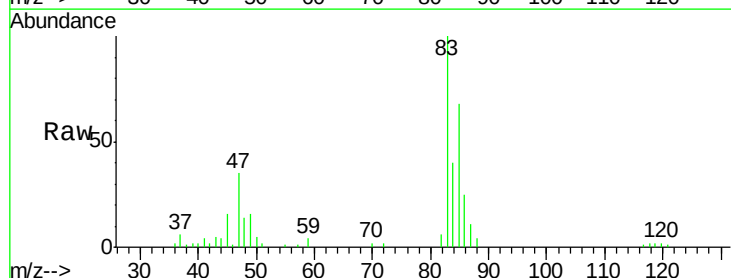
Acq: 30 May 2020 02:19

Tgt Ion: 83 Resp: 34875

Ion Ratio Lower Upper

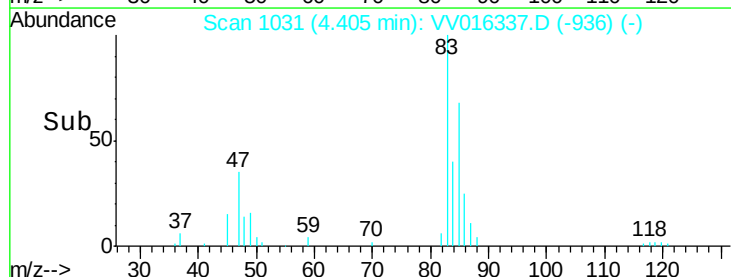
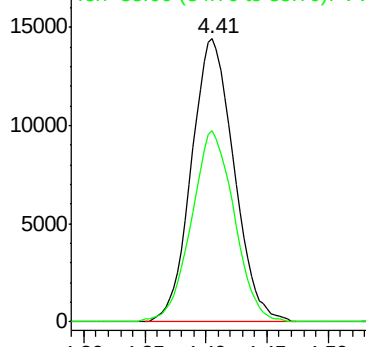
83 100

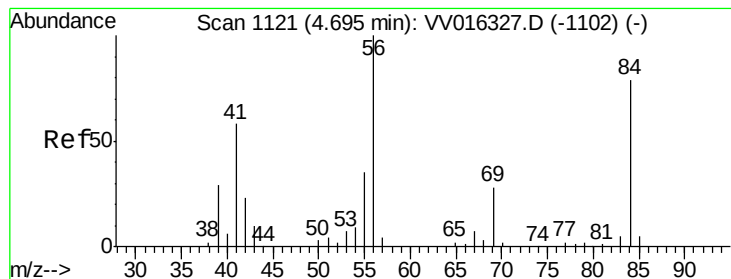
85 67.7 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#30

Cyclohexane

Concen: 0.179 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.01 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

Instrument :

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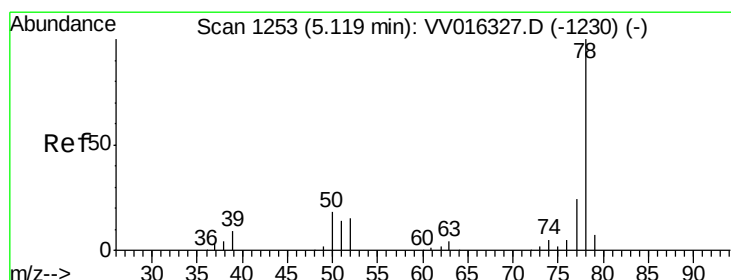
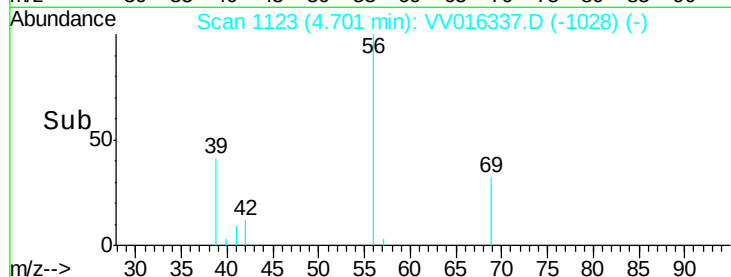
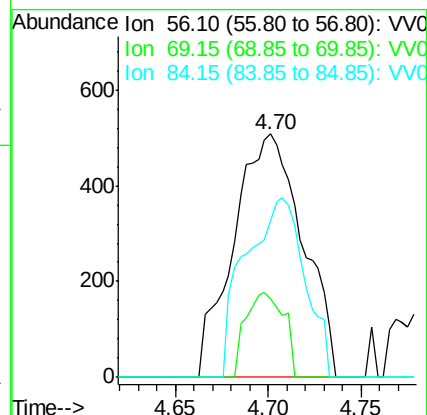
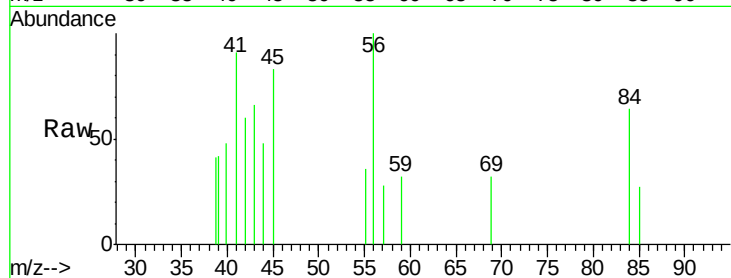
Tot Ion: 56 Resp: 1318

Ion Ratio Lower Upper

56 100

69 19.2 24.6 36.8#

84 63.2 67.1 100.7#



#33

Benzene

Concen: 0.149 ug/L

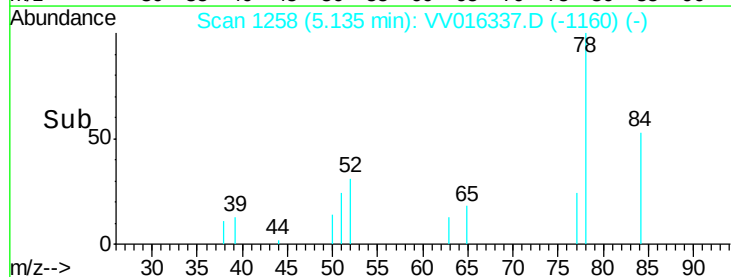
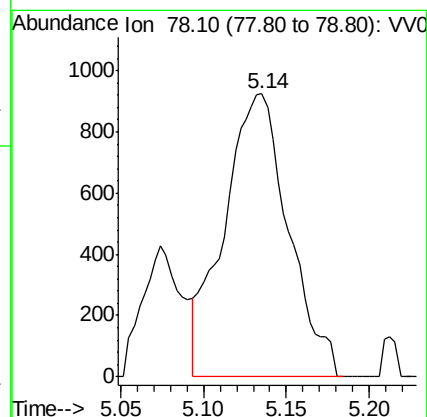
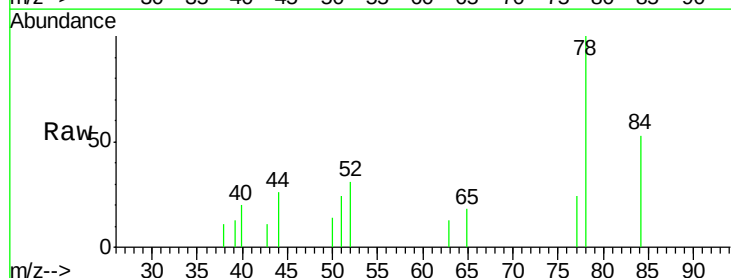
RT: 5.14 min Scan# 1258

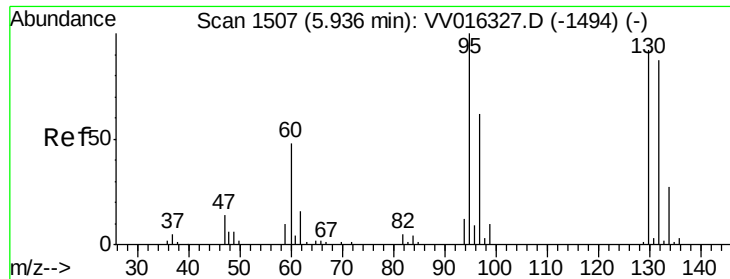
Delta R.T. 0.02 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

Tgt Ion: 78 Resp: 2489





#34

Trichloroethene

Concen: 13.611 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

Instrument :

MSVOA_V

ClientSampleId :

CWKC3

Tot Ion: 95 Resp: 59110

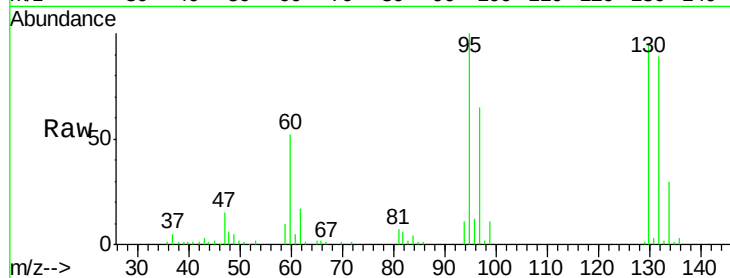
Ion Ratio Lower Upper

95 100

97 64.6 43.6 81.0

132 88.9 63.9 118.7

130 95.3 65.2 121.0

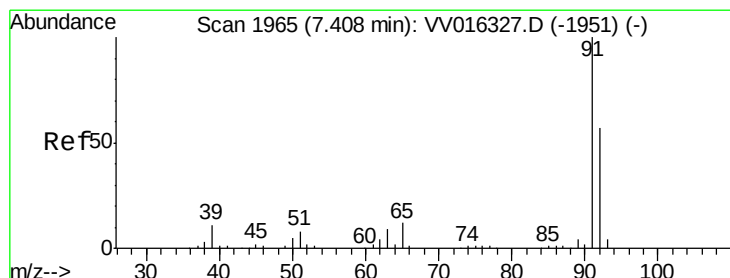
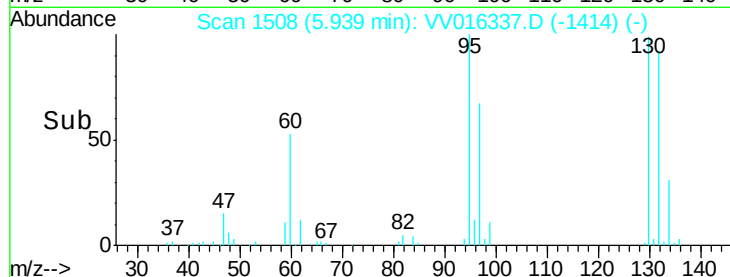
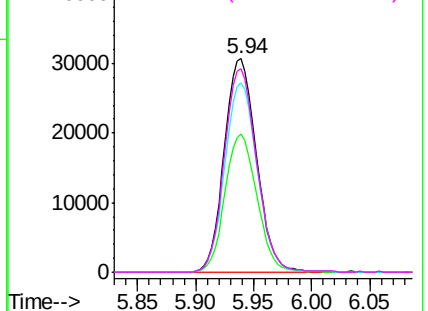


Abundance Ion 95.00 (94.70 to 95.70): VV0

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



#42

Toluene

Concen: 0.277 ug/L

RT: 7.42 min Scan# 1968

Delta R.T. 0.01 min

Lab File: VV016337.D

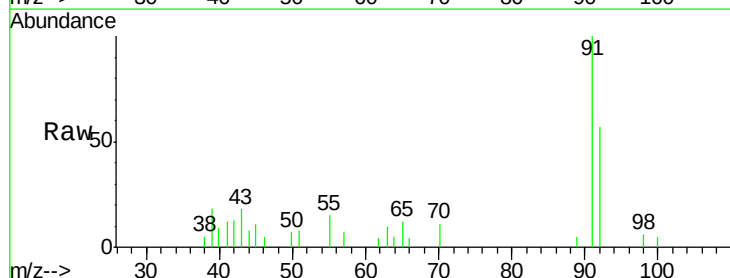
Acq: 30 May 2020 02:19

Tgt Ion: 91 Resp: 5037

Ion Ratio Lower Upper

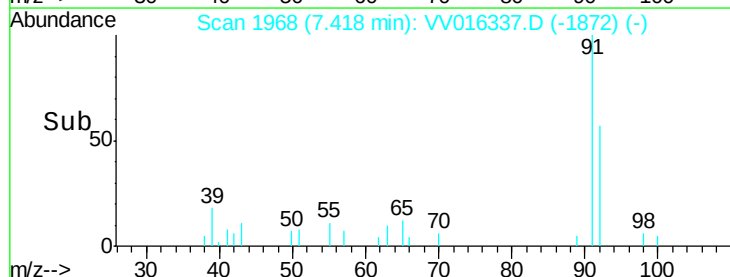
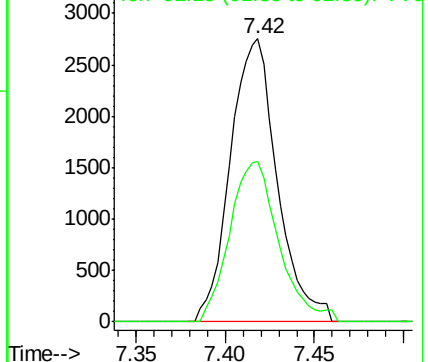
91 100

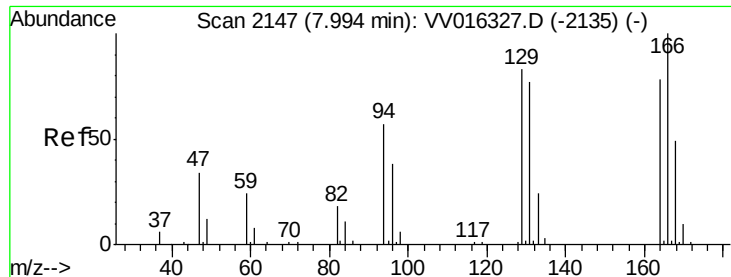
92 56.7 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0





#49

Tetrachloroethene

Concen: 0.395 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

Instrument :

MSVOA_V

ClientSampleId :

CWKC3

Tot Ion:164 Resp: 1233

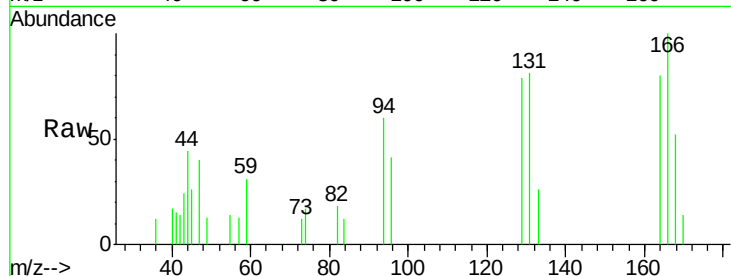
Ion Ratio Lower Upper

164 100

129 98.7 70.7 131.3

131 101.0 66.6 123.8

166 124.6 86.9 161.5

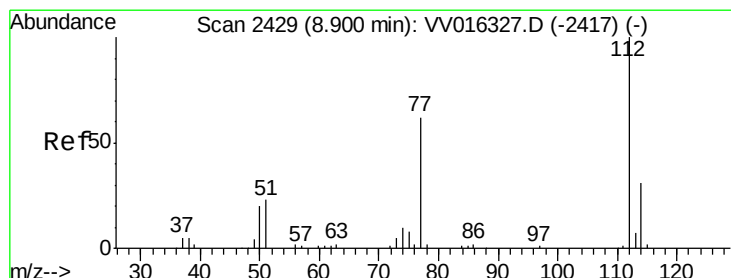
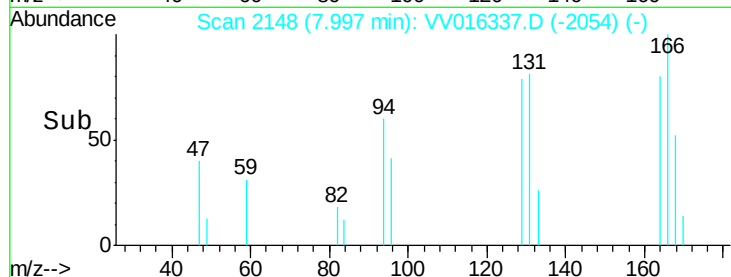
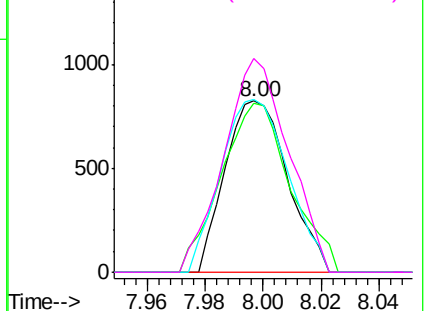


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#53

Chlorobenzene

Concen: 0.189 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV016337.D

Acq: 30 May 2020 02:19

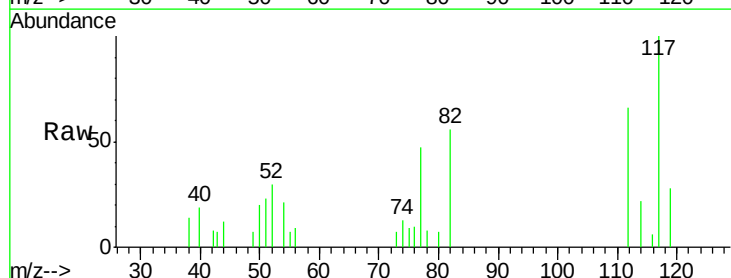
Tgt Ion:112 Resp: 2128

Ion Ratio Lower Upper

112 100

114 33.9 22.3 41.3

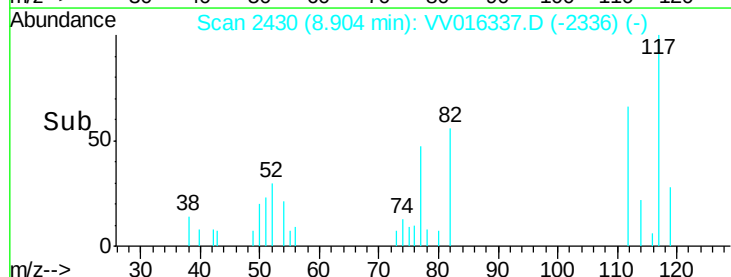
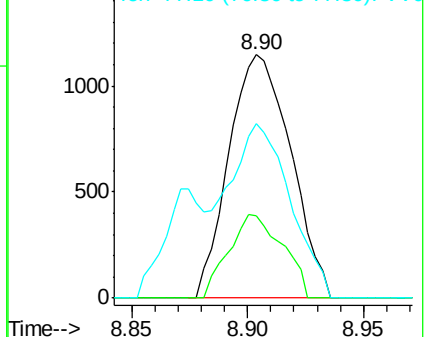
77 71.8 50.7 76.1

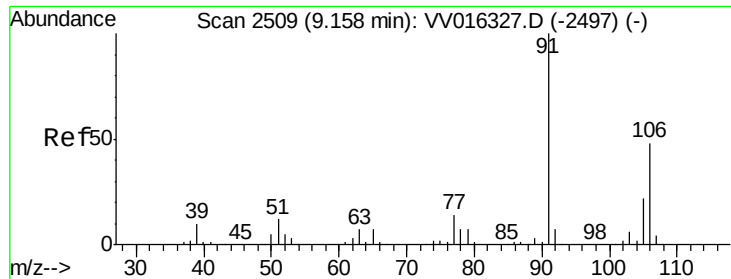


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#55
 m,p-xylene
 Concen: 0.097 ug/L
 RT: 9.16 min Scan# 2511
 Delta R.T. 0.01 min
 Lab File: VV016337.D
 Acq: 30 May 2020 02:19

Instrument :
 MSVOA_V
 ClientSampleId :
 CWKC3

Tot Ion:106 Resp: 734
 Ion Ratio Lower Upper
 106 100
 91 208.2 148.1 275.0

