

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070620\
 Data File : VV017341.D
 Acq On : 06 Jul 2020 10:53
 Operator : SY/MD
 Sample : L3168-16
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK2

Quant Time: Jul 07 01:16:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Tue Jul 07 01:14:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	166563	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	162342	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78879	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	41729	4.17	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.40%
7) Chloroethane-d5	1.58	69	38315	5.27	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	105.40%
11) 1,1-Dichloroethene-d2	2.13	63	65168	3.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	68.60%
20) 2-Butanone-d5	3.92	46	119024	46.72	ug/L	-0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.44%
24) Chloroform-d	4.38	84	104089	4.87	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.40%
26) 1,2-Dichloroethane-d4	5.06	65	58289	5.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.80%
32) Benzene-d6	5.08	84	184621	4.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.80%
36) 1,2-Dichloropropane-d6	6.09	67	54248	4.30	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.00%
41) Toluene-d8	7.34	98	162588	4.12	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	82.40%
45) trans-1,3-Dichloropropene-	7.64	79	20818	3.96	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.20%
48) 2-Hexanone-d5	8.11	63	70465	35.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	70.44%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	37261	4.45	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	89.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	69819	4.79	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	95.80%

Target Compounds

					Ovalue
12) 1,1-Dichloroethene	2.12	96	766	0.096 ug/L #	1
13) Acetone	2.20	43	21423	16.634 ug/L	95
14) Carbon disulfide	2.32	76	1844	0.077 ug/L #	64
15) Methyl Acetate	2.40	43	2197	0.698 ug/L #	53
16) Methylene chloride	2.53	84	3262	0.381 ug/L	97
21) 2-Butanone	4.01	43	3690	1.520 ug/L #	22
25) Chloroform	4.41	83	11900	0.572 ug/L	100
33) Benzene	5.13	78	5504	0.129 ug/L	100
34) Trichloroethene	5.95	95	1395	0.112 ug/L	89
35) Methylcyclohexane	6.09	83	14667	0.758 ug/L #	18
37) 1,2-Dichloropropane	6.10	63	7419	0.705 ug/L #	84
39) cis-1,3-Dichloropropene	7.01	75	2028	0.130 ug/L	98
42) Toluene	7.41	91	64686	1.309 ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	6589	0.146 ug/L	90
46) trans-1,3-Dichloropropene	7.64	75	1120	0.083 ug/L	92
50) 2-Hexanone	8.16	43	10906	2.522 ug/L #	84
54) Ethylbenzene	9.04	91	5809	0.110 ug/L	98

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Jul 07 01:14:17 2020
Response via : Initial Calibration

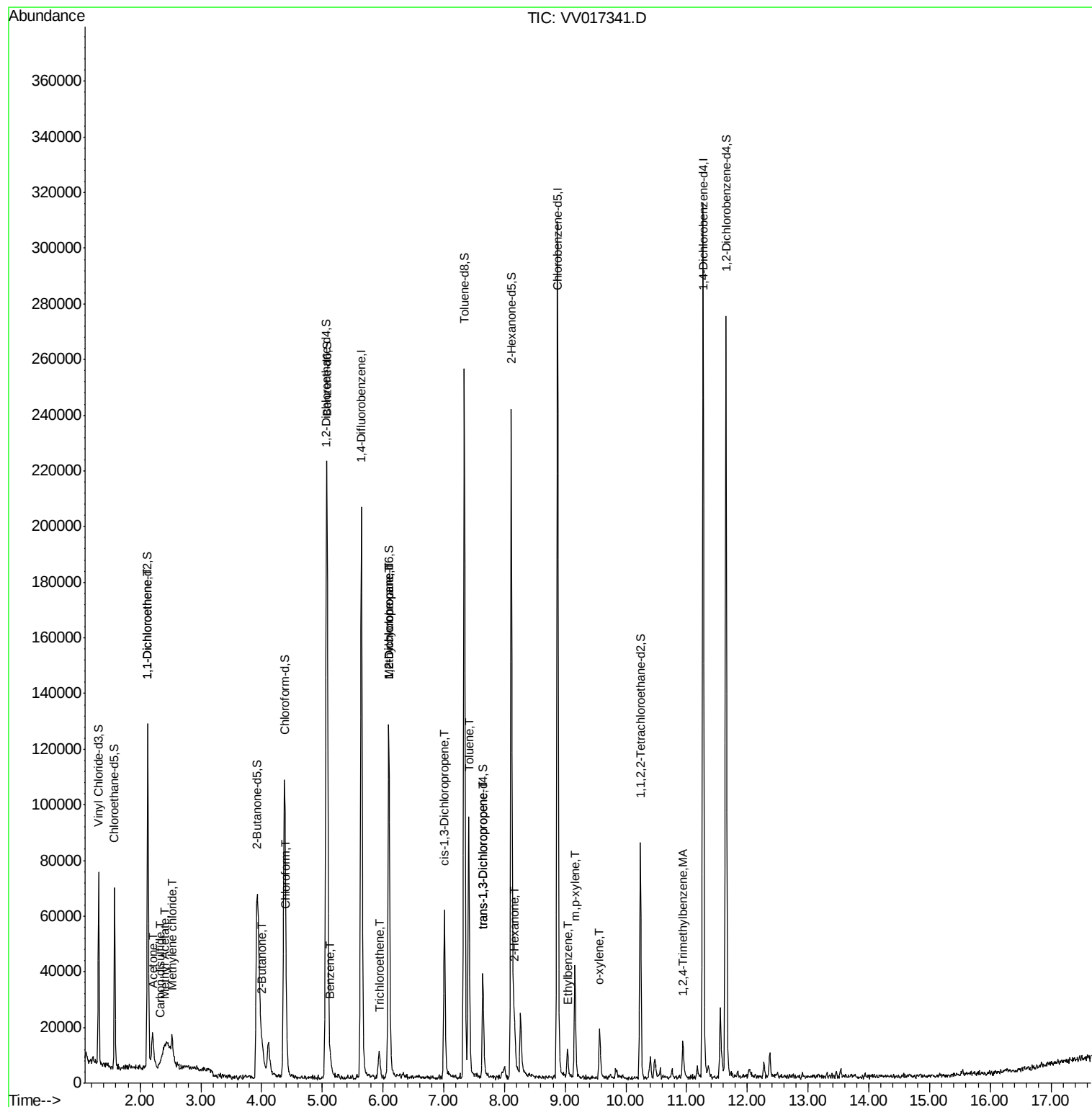
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
55) m,p-xylene	9.16	106	11560	0.559	ug/L	97
56) o-xylene	9.57	106	4400	0.228	ug/L	75

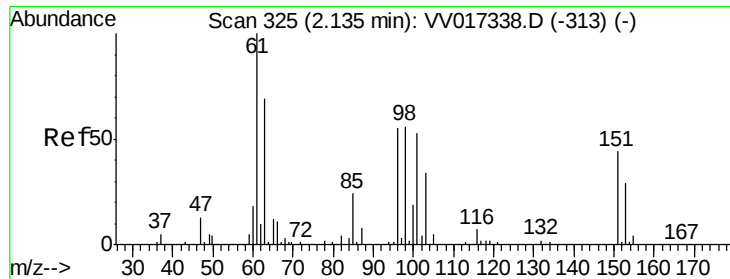
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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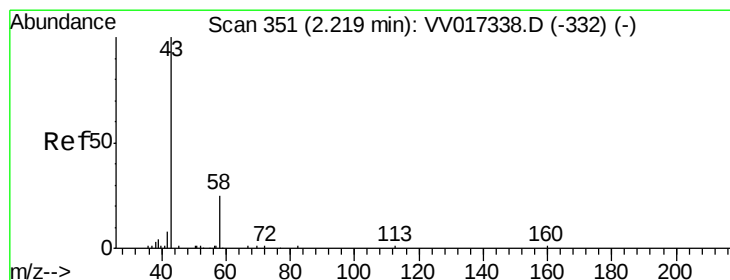
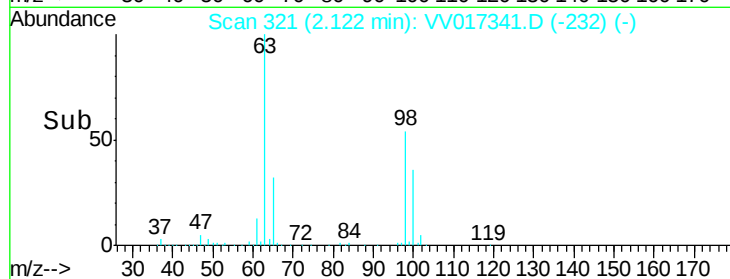
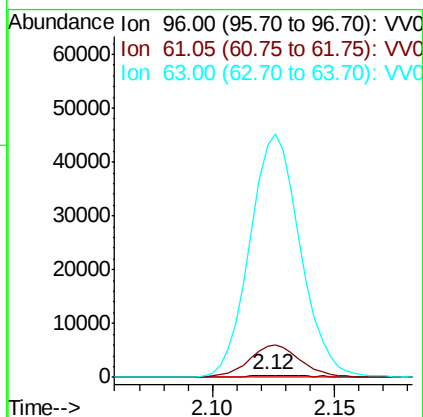
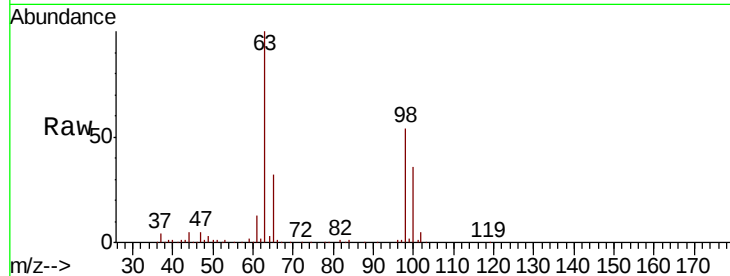




#12
 1,1-Dichloroethene
 Concen: 0.096 ug/L
 RT: 2.12 min Scan# 321
 Delta R.T. -0.01 min
 Lab File: VV017341.D
 Acq: 06 Jul 2020 10:53

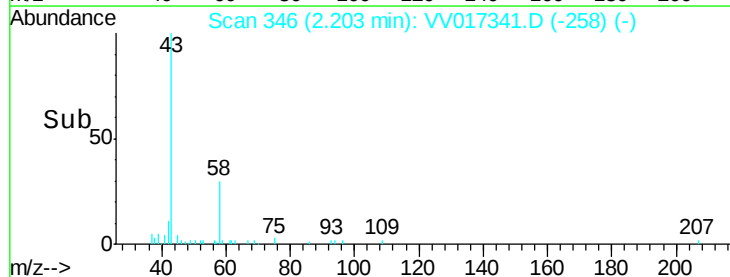
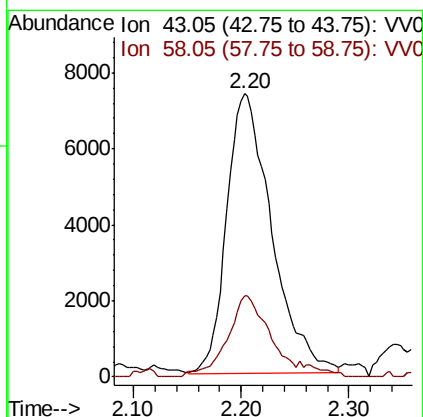
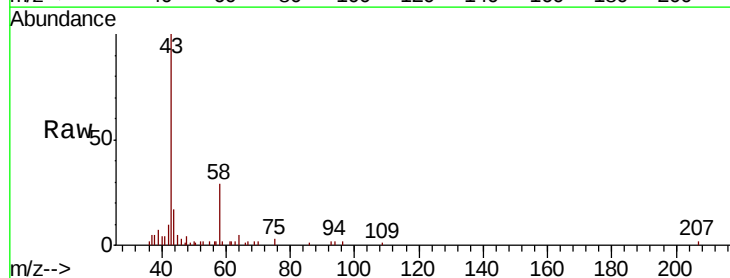
Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK2

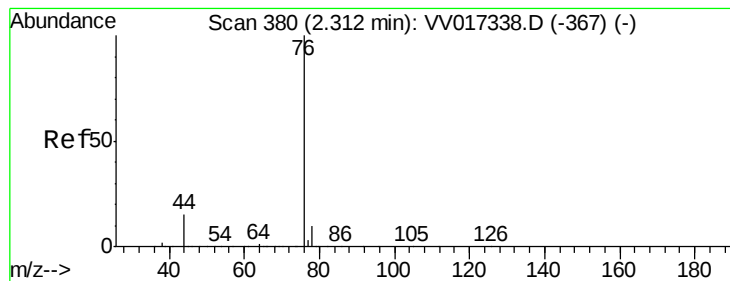
Tot Ion: 96 Resp: 766
 Ion Ratio Lower Upper
 96 100
 61 1336.9 125.0 232.2#
 63 10137.1 109.8 203.8#



#13
 Acetone
 Concen: 16.634 ug/L
 RT: 2.20 min Scan# 346
 Delta R.T. -0.02 min
 Lab File: VV017341.D
 Acq: 06 Jul 2020 10:53

Tgt Ion: 43 Resp: 21423
 Ion Ratio Lower Upper
 43 100
 58 26.7 0.0 58.4





#14

Carbon disulfide

Concen: 0.077 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV017341.D

Acq: 06 Jul 2020 10:53

Instrument :

MSVOA_V

ClientSampled :

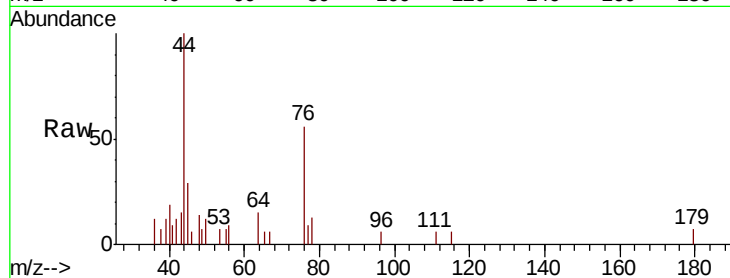
C0AK2

Tot Ion: 76 Resp: 1844

Ion Ratio Lower Upper

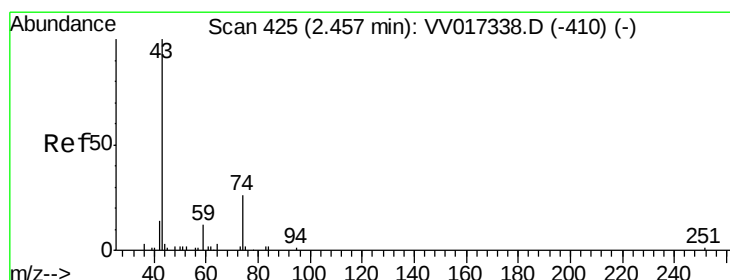
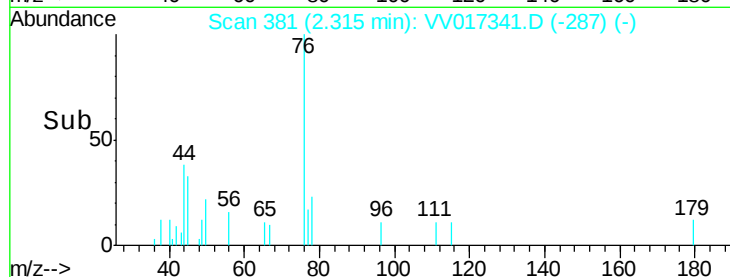
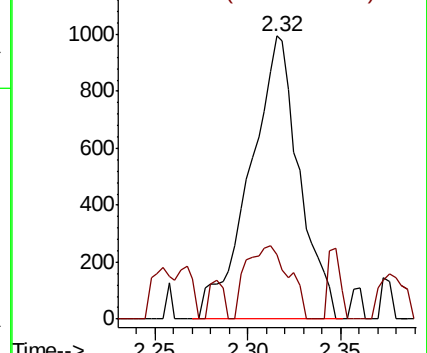
76 100

78 22.7 7.7 11.5#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#15

Methyl Acetate

Concen: 0.698 ug/L

RT: 2.40 min Scan# 407

Delta R.T. -0.06 min

Lab File: VV017341.D

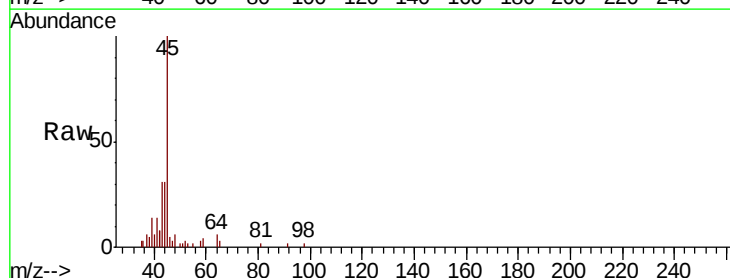
Acq: 06 Jul 2020 10:53

Tgt Ion: 43 Resp: 2197

Ion Ratio Lower Upper

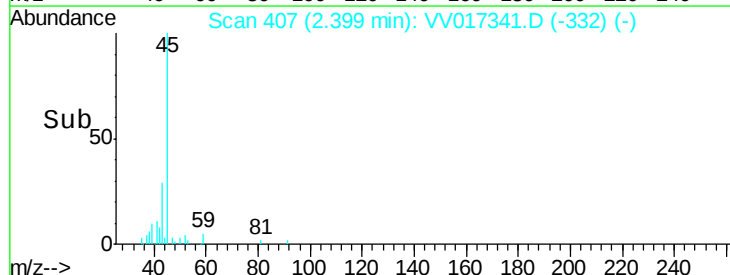
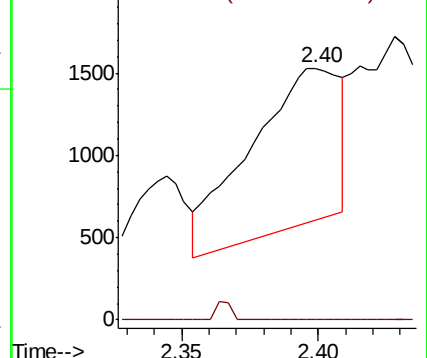
43 100

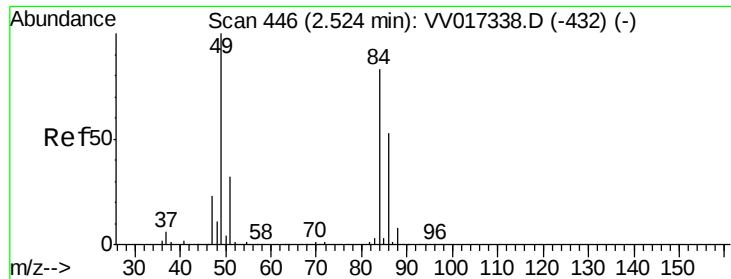
74 1.0 19.1 28.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

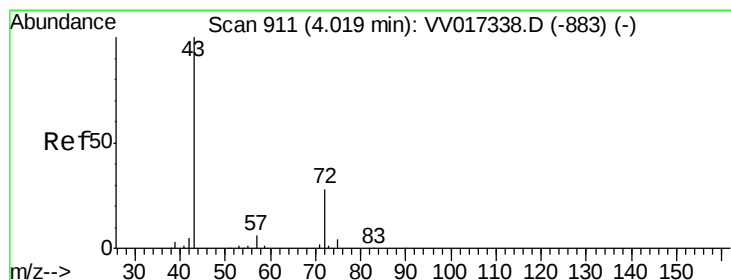
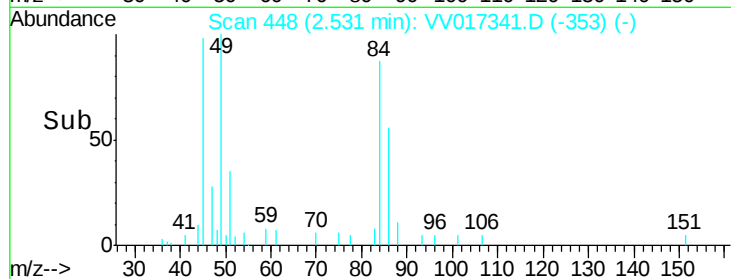
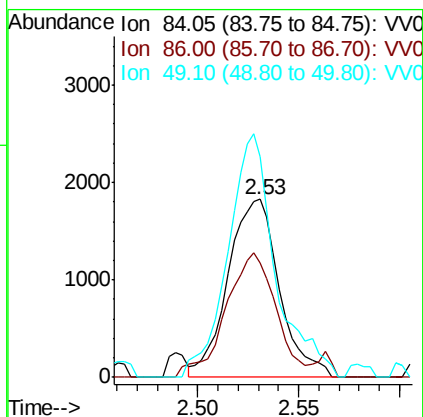
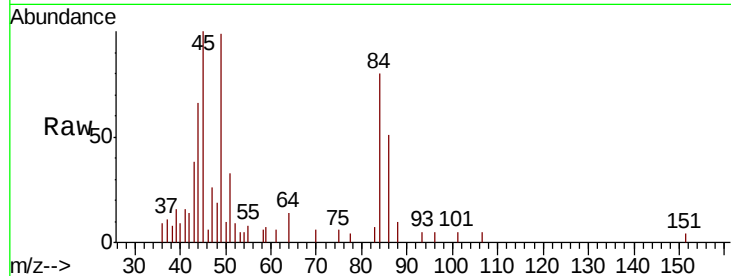




#16
Methvlene chloride
Concen: 0.381 ug/L
RT: 2.53 min Scan# 448
Delta R.T. 0.01 min
Lab File: VV017341.D
Acq: 06 Jul 2020 10:53

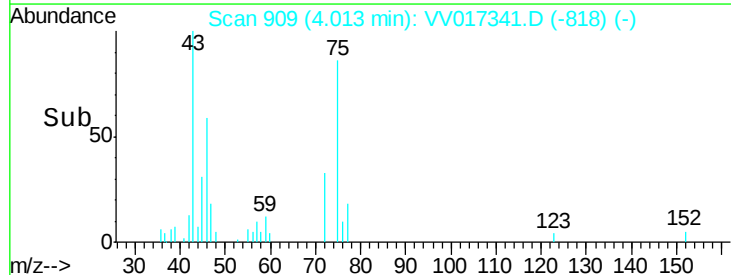
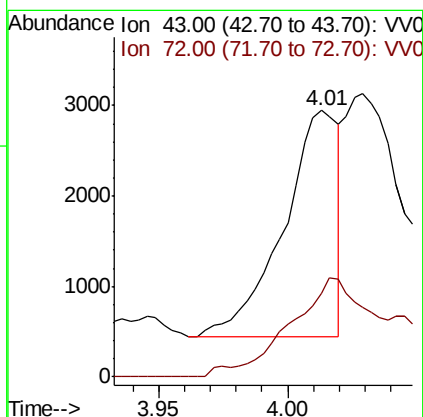
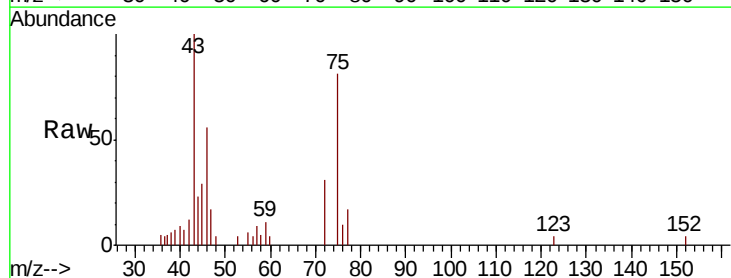
Instrument :
MSVOA_V
ClientSampleId :
C0AK2

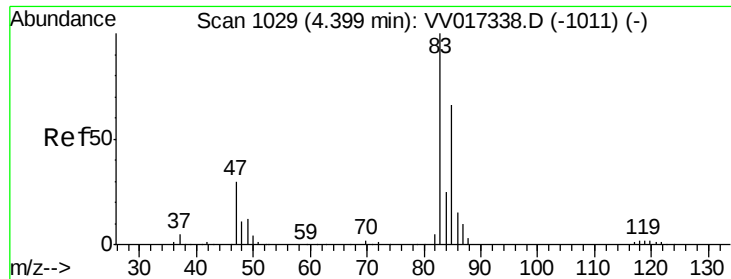
Tot Ion: 84 Resp: 3262
Ion Ratio Lower Upper
84 100
86 64.5 45.8 85.0
49 123.8 89.6 166.4



#21
2-Butanone
Concen: 1.520 ug/L
RT: 4.01 min Scan# 909
Delta R.T. -0.01 min
Lab File: VV017341.D
Acq: 06 Jul 2020 10:53

Tgt Ion: 43 Resp: 3690
Ion Ratio Lower Upper
43 100
72 64.0 12.4 37.4#

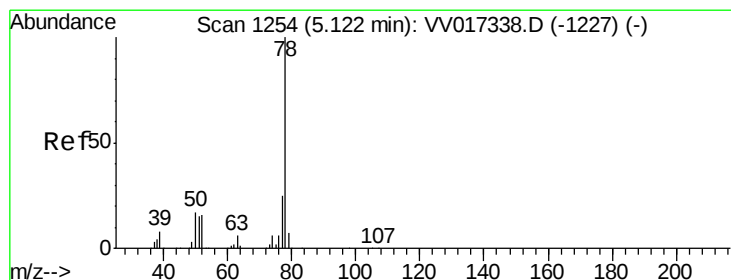
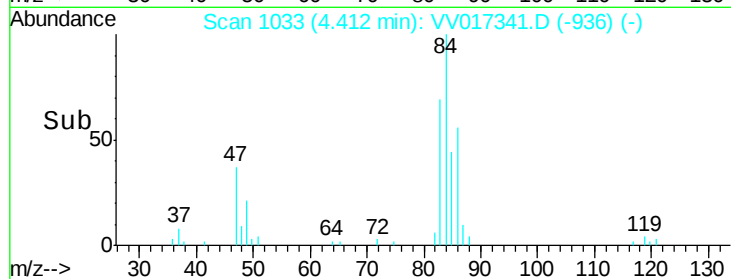
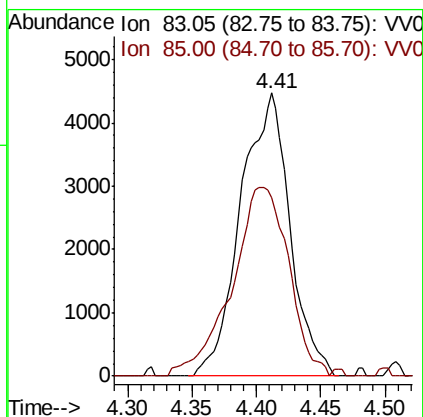
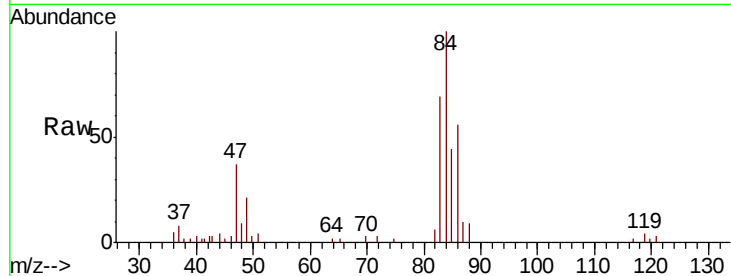




#25
Chloroform
Concen: 0.572 ug/L
RT: 4.41 min Scan# 1033
Delta R.T. 0.01 min
Lab File: VV017341.D
Acq: 06 Jul 2020 10:53

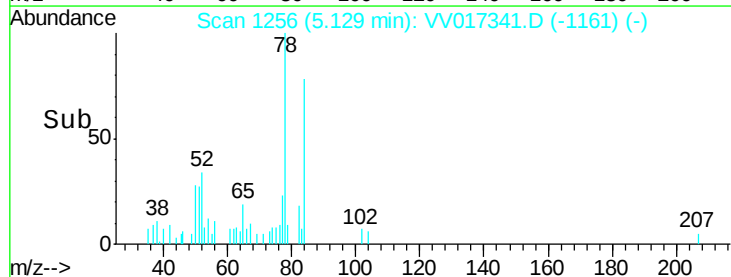
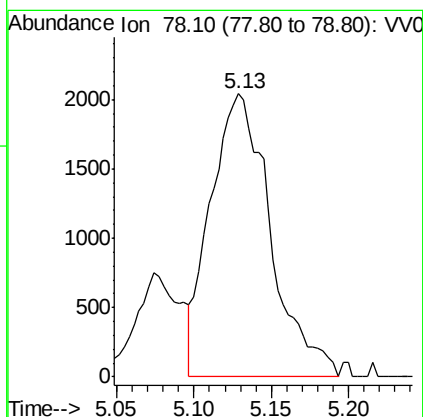
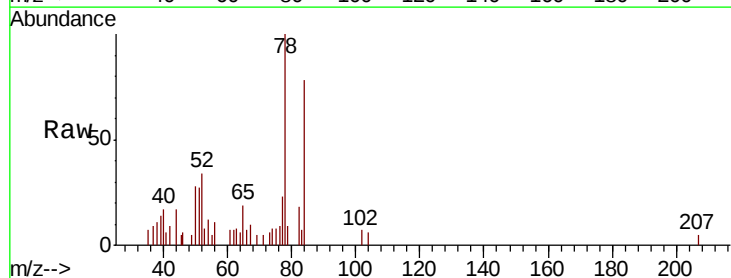
Instrument :
MSVOA_V
ClientSampleId :
C0AK2

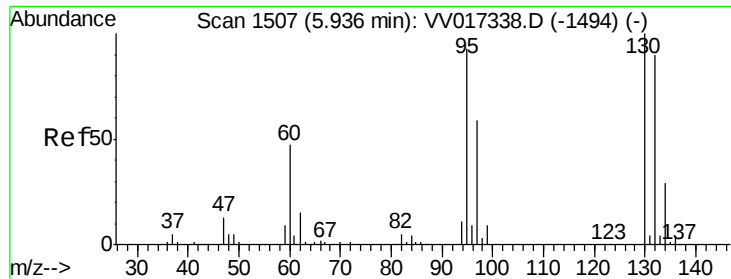
Tot Ion: 83 Resp: 11900
Ion Ratio Lower Upper
83 100
85 63.2 44.2 82.2



#33
Benzene
Concen: 0.129 ug/L
RT: 5.13 min Scan# 1256
Delta R.T. 0.01 min
Lab File: VV017341.D
Acq: 06 Jul 2020 10:53

Tgt Ion: 78 Resp: 5504





#34

Trichloroethene

Concen: 0.112 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. 0.02 min

Lab File: VV017341.D

Acq: 06 Jul 2020 10:53

Instrument :

MSVOA_V

ClientSampleId :

C0AK2

Tot Ion: 95 Resp: 1395

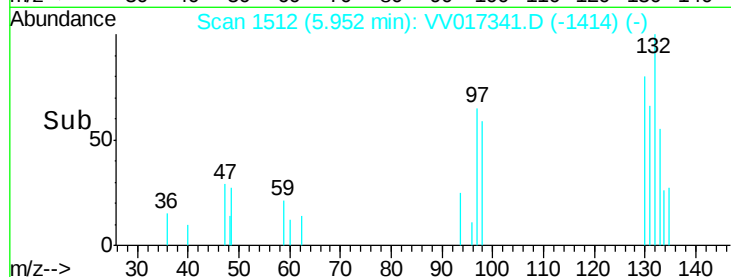
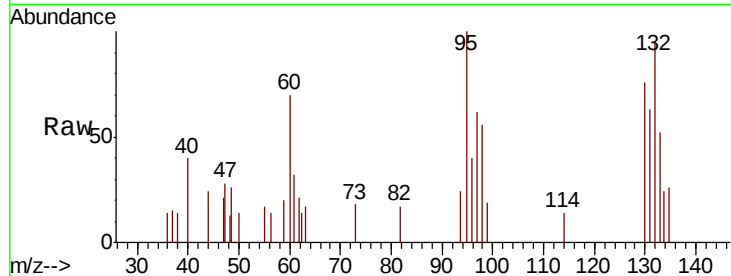
Ion Ratio Lower Upper

95 100

97 61.9 45.3 84.1

132 95.4 68.8 127.8

130 76.0 70.2 130.4

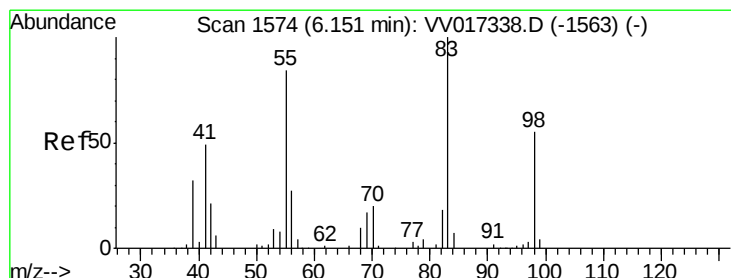
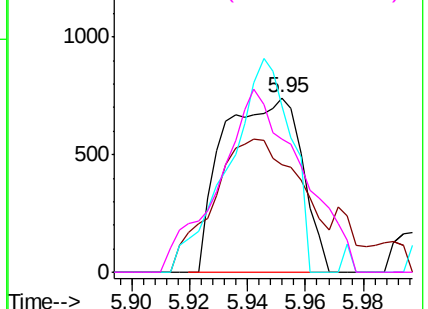


Abundance Ion 95.00 (94.70 to 95.70): VV0

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

Methylcyclohexane

Concen: 0.758 ug/L

RT: 6.09 min Scan# 1556

Delta R.T. -0.06 min

Lab File: VV017341.D

Acq: 06 Jul 2020 10:53

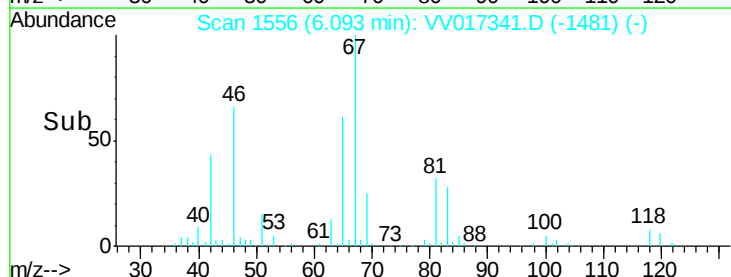
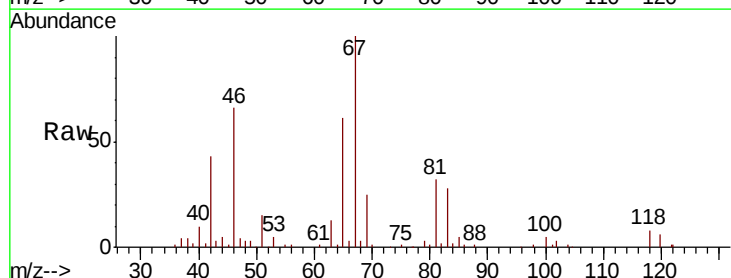
Tgt Ion: 83 Resp: 14667

Ion Ratio Lower Upper

83 100

55 1.3 63.6 95.4#

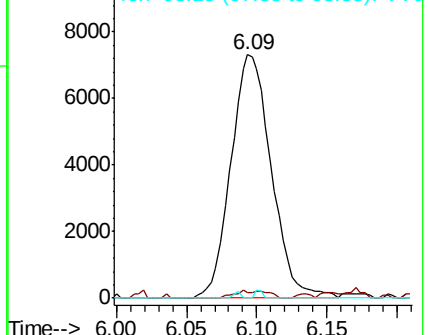
98 0.4 38.8 58.2#

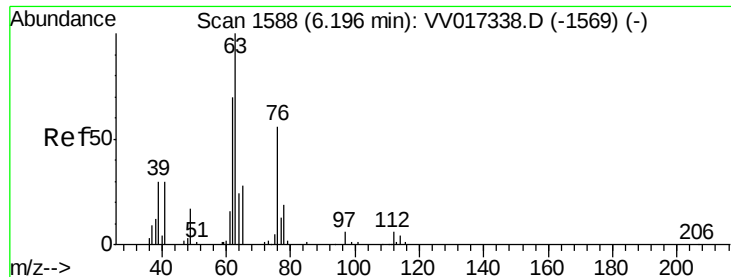


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 0.705 ug/L

RT: 6.10 min Scan# 1557

Delta R.T. -0.10 min

Lab File: VV017341.D

Acq: 06 Jul 2020 10:53

Instrument :

MSVOA_V

ClientSampled :

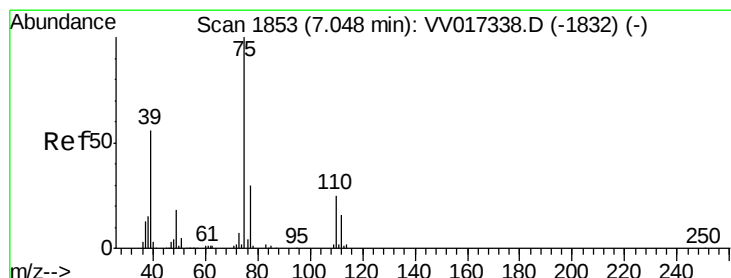
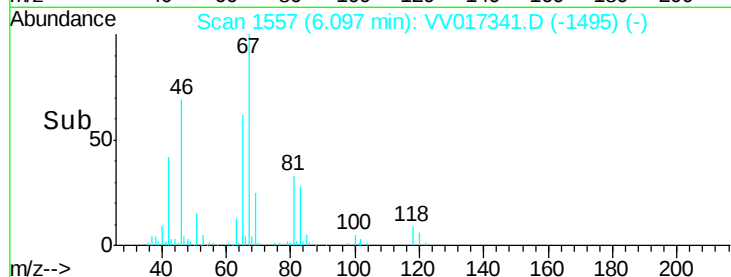
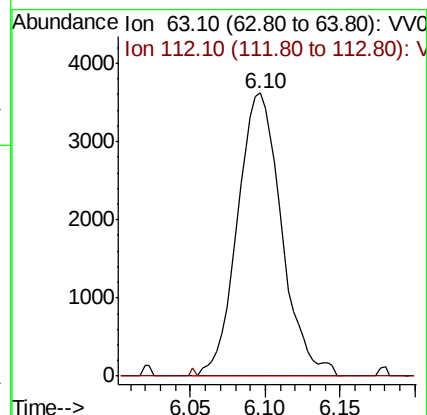
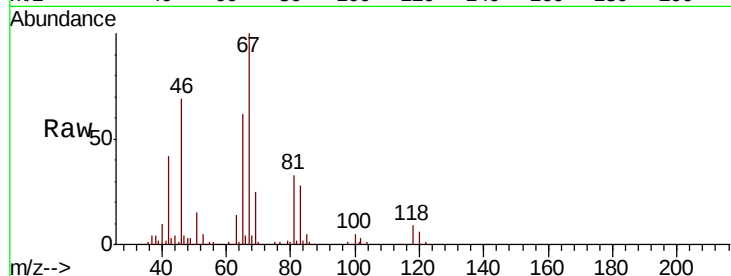
C0AK2

Tot Ion: 63 Resp: 7419

Ion Ratio Lower Upper

63 100

112 0.3 4.4 6.6#



#39

cis-1,3-Dichloropropene

Concen: 0.130 ug/L

RT: 7.01 min Scan# 1840

Delta R.T. -0.04 min

Lab File: VV017341.D

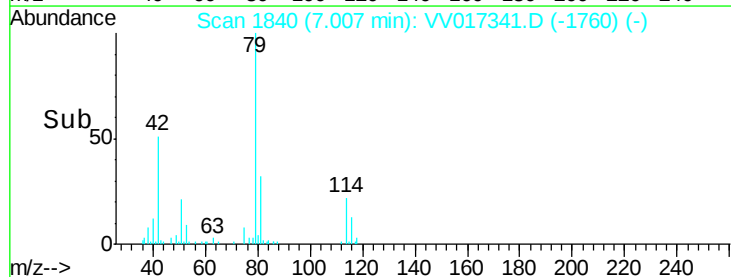
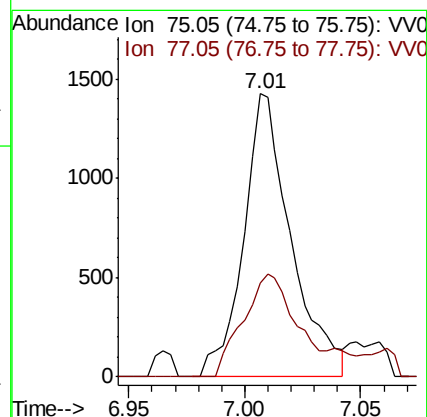
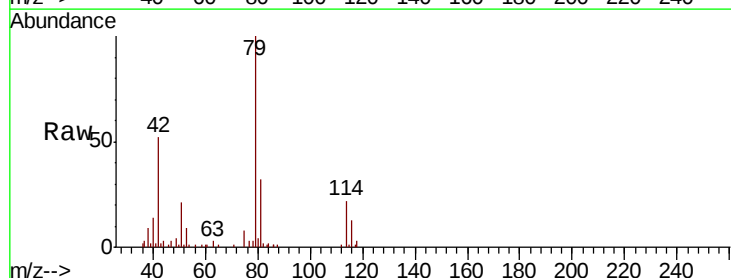
Acq: 06 Jul 2020 10:53

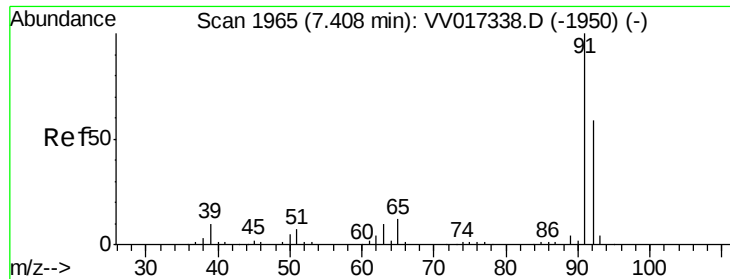
Tgt Ion: 75 Resp: 2028

Ion Ratio Lower Upper

75 100

77 33.2 22.3 41.5





#42

Toluene

Concen: 1.309 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV017341.D

Acq: 06 Jul 2020 10:53

Instrument :

MSVOA_V

ClientSampleId :

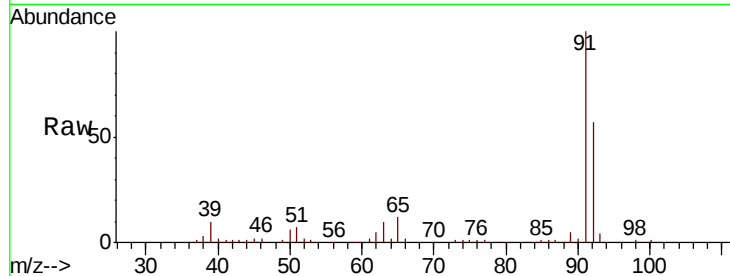
C0AK2

Tot Ion: 91 Resp: 64686

Ion Ratio Lower Upper

91 100

92 57.5 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017338.D (-1950) (-)

Ion 92.15 (91.85 to 92.85): VV017338.D (-1950) (-)

7.41

40000

30000

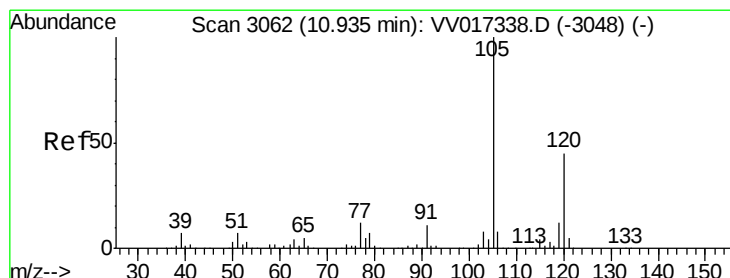
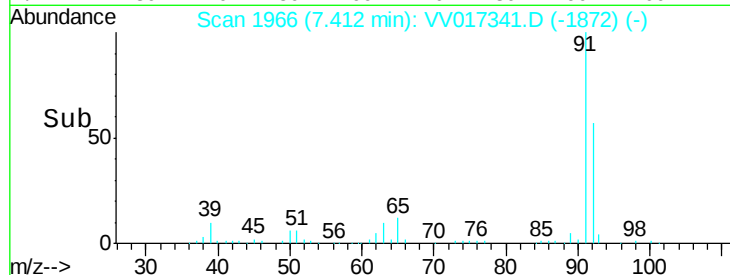
20000

10000

0

Time-->

7.35 7.40 7.45 7.50



#44

1,2,4-Trimethylbenzene

Concen: 0.146 ug/L

RT: 10.94 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VV017341.D

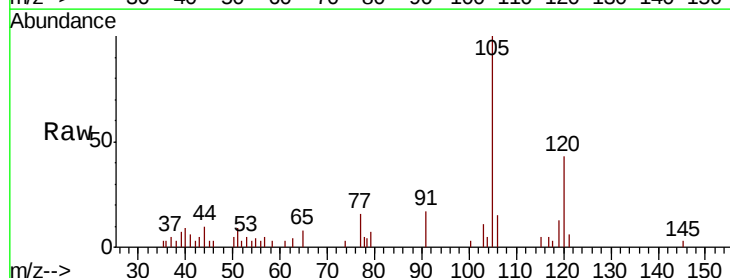
Acq: 06 Jul 2020 10:53

Tgt Ion:105 Resp: 6589

Ion Ratio Lower Upper

105 100

120 38.5 35.8 53.8



Abundance Ion 105.00 (104.70 to 105.70): VV017338.D (-3048) (-)

Ion 120.00 (119.70 to 120.70): VV017338.D (-3048) (-)

10.94

4000

3000

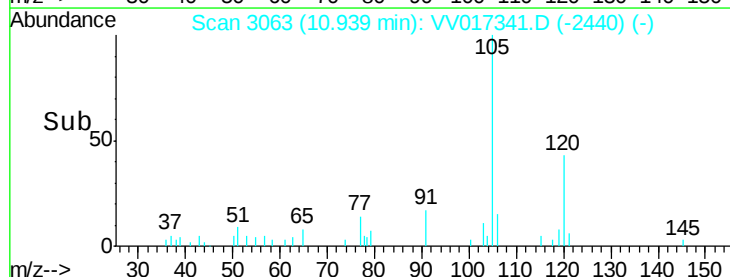
2000

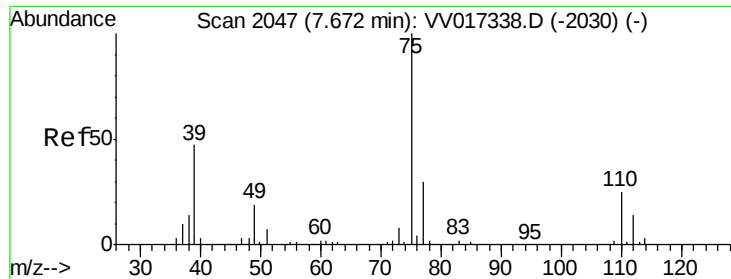
1000

0

Time-->

10.90 10.95 11.00





#46

trans-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.64 min Scan# 2038

Delta R.T. -0.03 min

Lab File: VV017341.D

Acq: 06 Jul 2020 10:53

Instrument :

MSVOA_V

ClientSampleId :

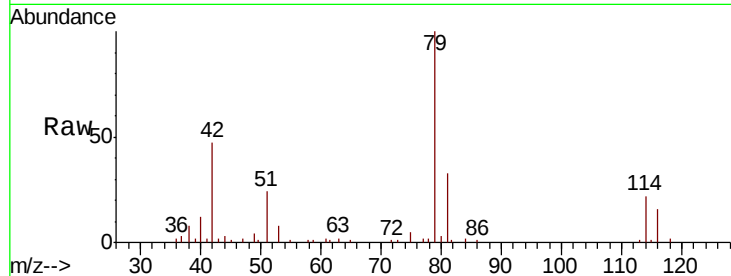
C0AK2

Tot Ion: 75 Resp: 1120

Ion Ratio Lower Upper

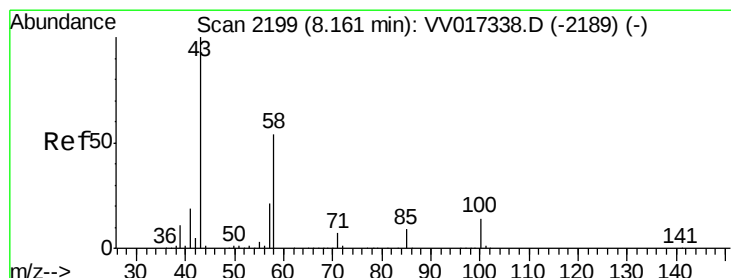
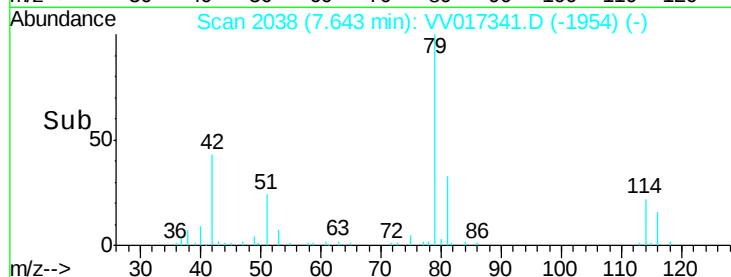
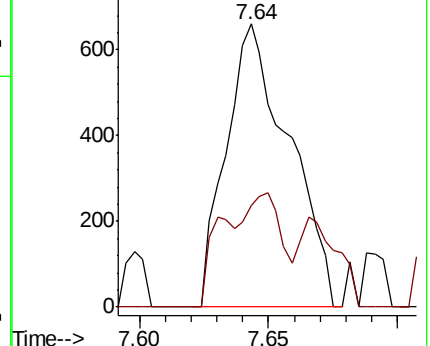
75 100

77 36.1 22.3 41.3



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#50

2-Hexanone

Concen: 2.522 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.00 min

Lab File: VV017341.D

Acq: 06 Jul 2020 10:53

Tgt Ion: 43 Resp: 10906

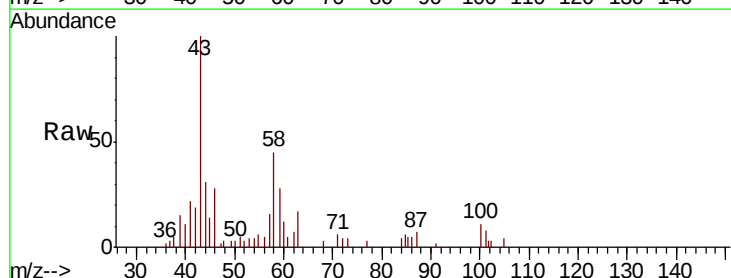
Ion Ratio Lower Upper

43 100

58 44.5 41.6 62.4

57 4.2 15.4 23.0#

100 7.6 10.1 15.1#

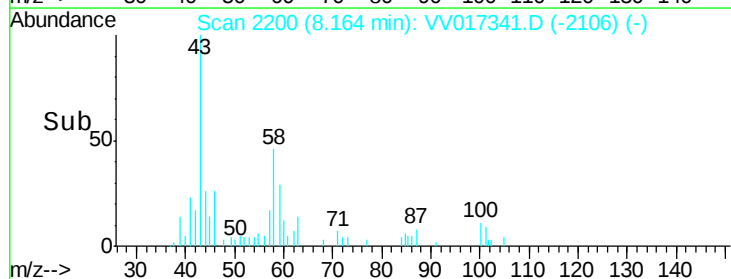
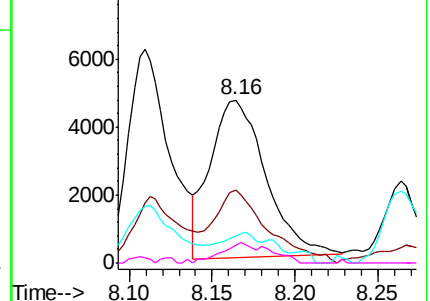


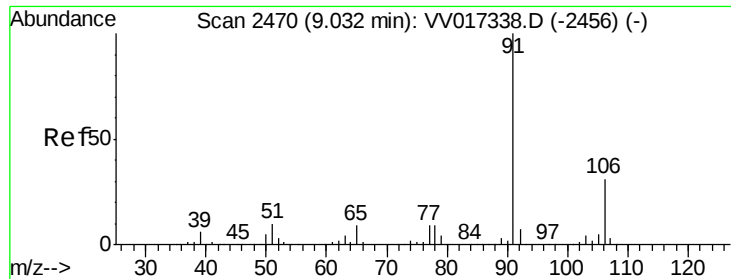
Abundance Ion 43.05 (42.75 to 43.75): VV0

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





#54

Ethylbenzene

Concen: 0.110 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017341.D

Acq: 06 Jul 2020 10:53

Instrument :

MSVOA_V

ClientSampleId :

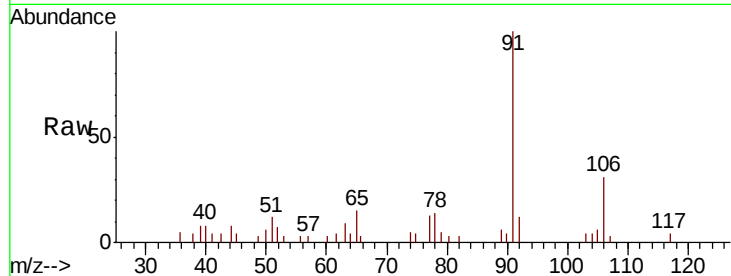
C0AK2

Tot Ion: 91 Resp: 5809

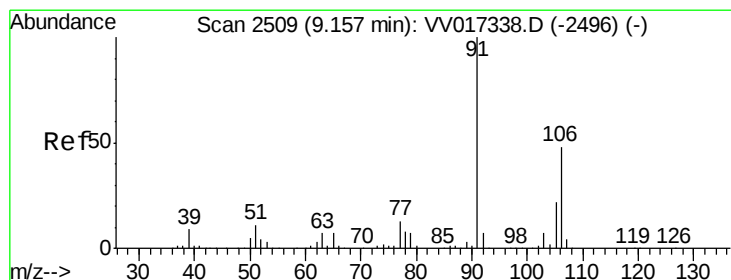
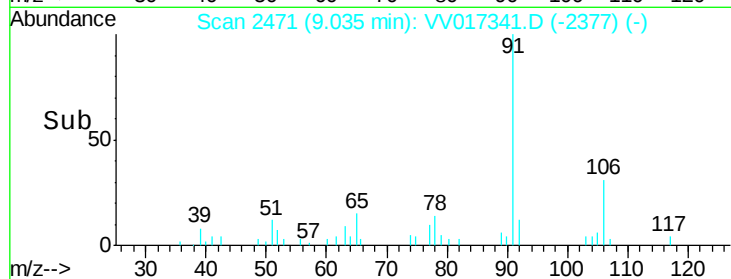
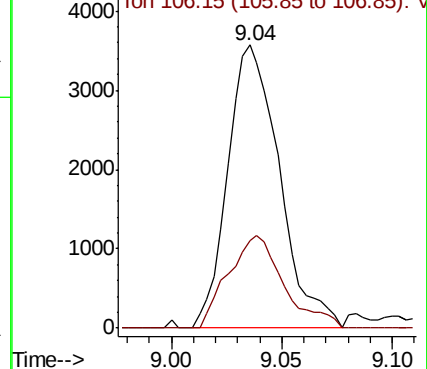
Ion Ratio Lower Upper

91 100

106 30.9 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017341.D (-2377) (-)



#55

m,p-xylene

Concen: 0.559 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017341.D

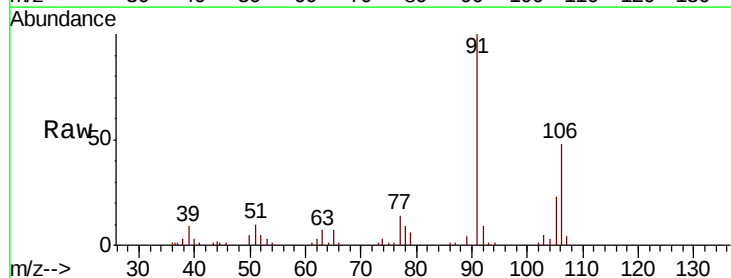
Acq: 06 Jul 2020 10:53

Tgt Ion: 106 Resp: 11560

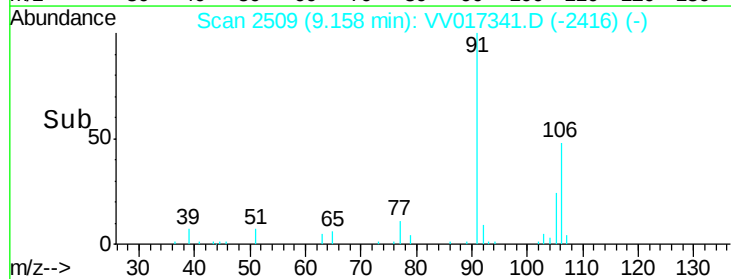
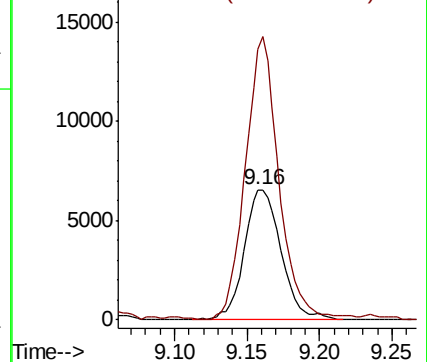
Ion Ratio Lower Upper

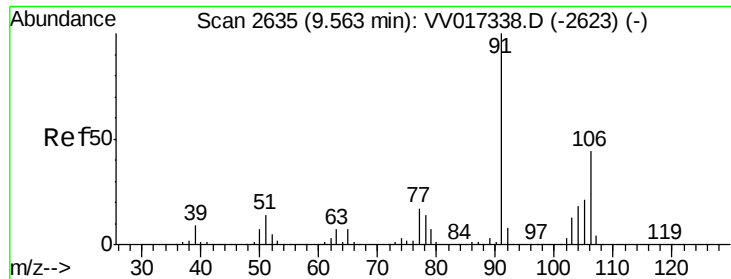
106 100

91 207.9 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV017341.D (-2416) (-)





#56
 o-xylene
 Concen: 0.228 ug/L
 RT: 9.57 min Scan# 2636
 Delta R.T. 0.00 min
 Lab File: VV017341.D
 Acq: 06 Jul 2020 10:53

Instrument :
 MSVOA_V
 ClientSampleId :
 C0AK2

Tot Ion:106 Resp: 4400
 Ion Ratio Lower Upper
 106 100
 91 259.0 153.6 285.2

