

Data File : VV013431.D
Acq On : 30 Oct 2019 14:14
Operator : SY/MD
Sample : K5597-16DL 10X
Misc : 25.0ML/MSVOA_V/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GAQE5DL

Quant Time: Oct 31 02:45:53 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR102919WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	393489	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	400384	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	232035	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	138390	3.68	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	73.60%
7) Chloroethane-d5	1.58	69	115090	3.88	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.60%
11) 1,1-Dichloroethene-d2	2.13	63	173760	2.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	57.20%#
20) 2-Butanone-d5	3.96	46	417515	49.04	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	98.08%
24) Chloroform-d	4.40	84	317535	4.35	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.00%
26) 1,2-Dichloroethane-d4	5.08	65	158722	4.34	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	86.80%
32) Benzene-d6	5.10	84	622178	4.45	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.00%
36) 1,2-Dichloropropane-d6	6.12	67	201622	4.64	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.80%
41) Toluene-d8	7.36	98	571830	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	89.20%
43) trans-1,3-Dichloropropene-	7.66	79	71323	4.46	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.20%
46) 2-Hexanone-d5	8.13	63	278587	53.94	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.88%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	136681	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	97.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	225470	4.84	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.80%

Target Compounds

					Qvalue
13) Acetone	2.15	43	59442	14.290 ug/L	61
14) Carbon disulfide	2.32	76	5015	0.055 ug/L #	58
15) Methyl Acetate	2.52	43	459434	29.510 ug/L #	55
16) Methylene chloride	2.53	84	12439	0.285 ug/L #	1
17) Methyl tert-butyl Ether	2.81	73	12230	0.153 ug/L #	1
25) Chloroform	4.45	83	131983	1.694 ug/L #	24
27) 1,2-Dichloroethane	5.14	62	14039	0.327 ug/L #	1
30) Cyclohexane	4.72	56	824011	13.231 ug/L	99
33) Benzene	5.14	78	1797997	12.018 ug/L	100
34) Trichloroethene	5.99	95	7551	0.184 ug/L #	19
35) Methylcyclohexane	6.17	83	557708	9.103 ug/L	92
37) 1,2-Dichloropropane	6.18	63	5595	0.148 ug/L #	1
38) Bromodichloromethane	6.61	83	36781	0.775 ug/L #	27
40) 4-Methyl-2-pentanone	7.31	43	19039	0.894 ug/L #	48
42) Toluene	7.43	91	146974	0.942 ug/L	99
44) trans-1,3-Dichloropropene	7.66	75	3456	0.086 ug/L #	40
45) 1,1,2-Trichloroethane	7.83	97	50308	1.998 ug/L #	21

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV103019\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Oct 31 02:41:56 2019
Response via : Initial Calibration

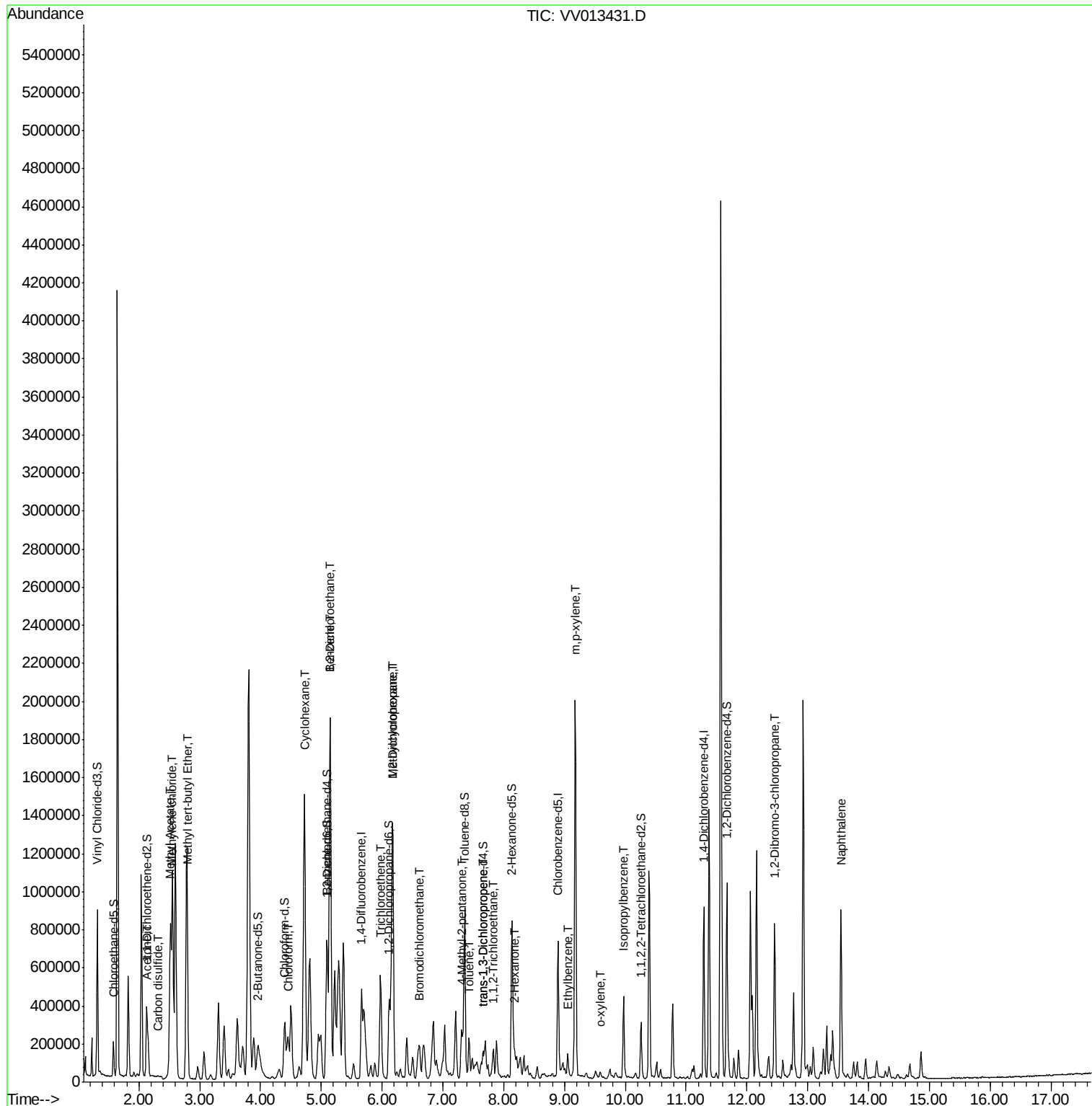
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
48) 2-Hexanone	8.18	43	12647	0.840	ug/L #	77
52) Ethylbenzene	9.05	91	77330	0.468	ug/L	98
53) m,p-xylene	9.18	106	540494	8.847	ug/L	98
54) o-xylene	9.59	106	8649	0.146	ug/L	92
56) Isopropylbenzene	9.97	105	264556	1.663	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.46	75	3153	0.768	ug/L #	3
69) Naphthalene	13.55	128	680083	10.243	ug/L	100

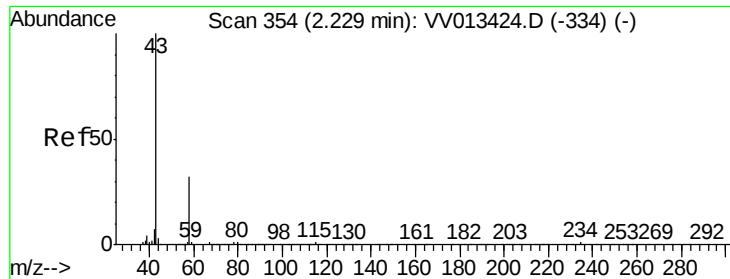
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 14.290 ug/L

RT: 2.15 min Scan# 329

Delta R.T. -0.08 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

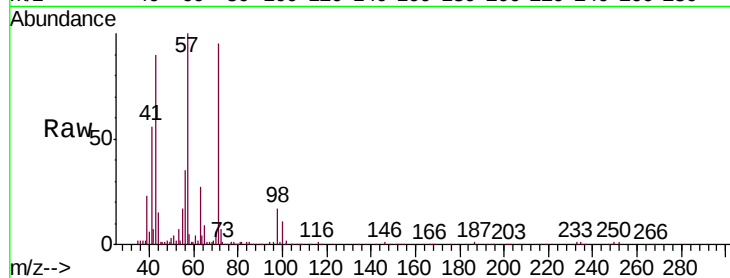
GAQE5DL

Tgt Ion: 43 Resp: 59442

Ion Ratio Lower Upper

43 100

58 8.3 0.0 59.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.15

40000

30000

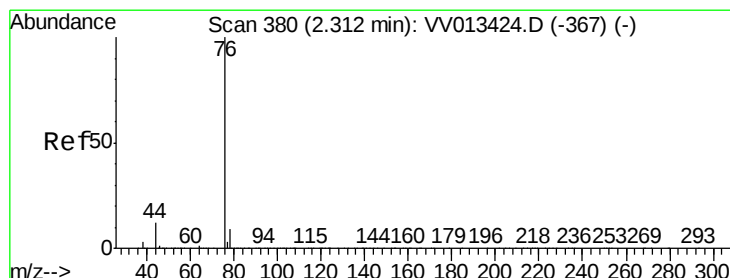
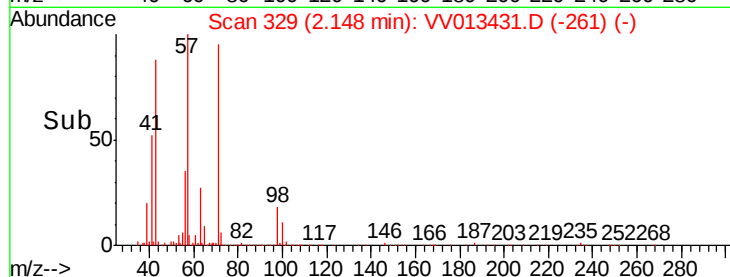
20000

10000

0

Time-->

2.10 2.15 2.20



#14

Carbon disulfide

Concen: 0.055 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013431.D

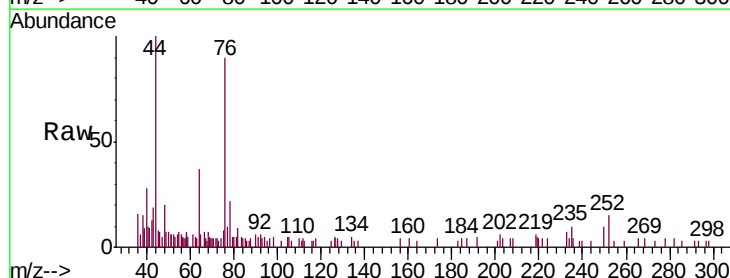
Acq: 30 Oct 2019 14:14

Tgt Ion: 76 Resp: 5015

Ion Ratio Lower Upper

76 100

78 24.7 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

3000

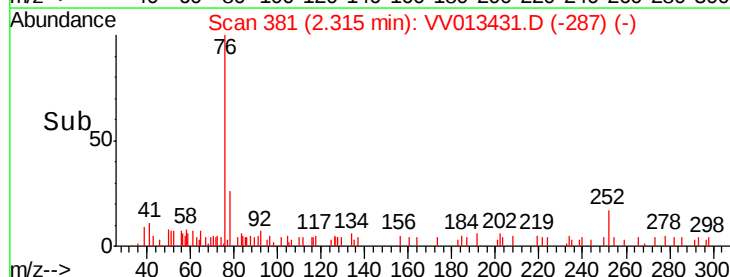
2000

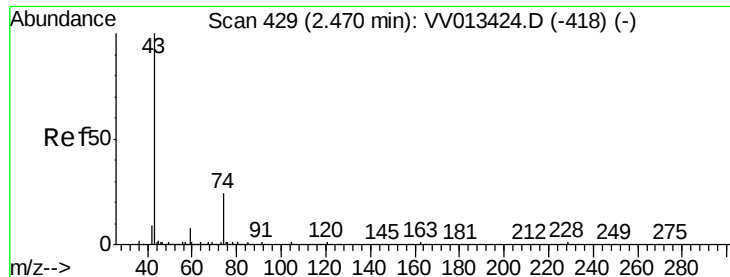
1000

0

Time-->

2.25 2.30 2.35





#15

Methyl Acetate

Concen: 29.510 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.05 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

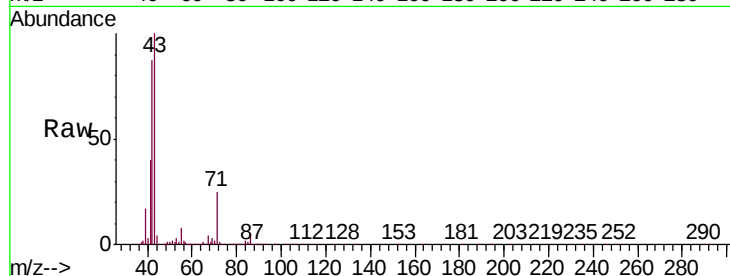
GAQE5DL

Tgt Ion: 43 Resp: 459434

Ion Ratio Lower Upper

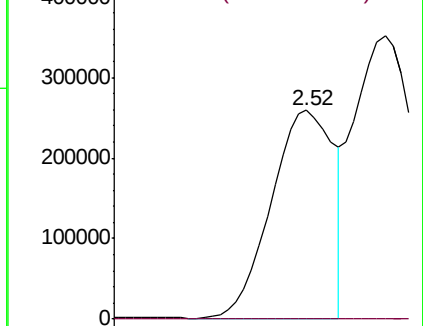
43 100

74 0.1 17.0 25.6#

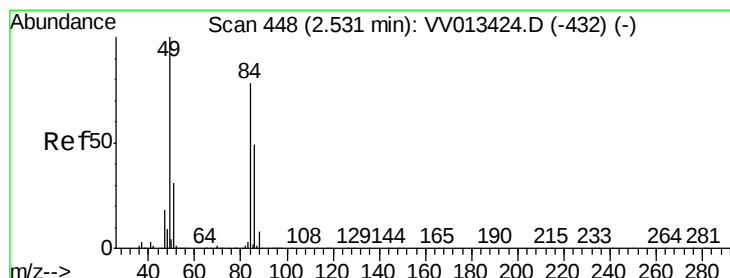
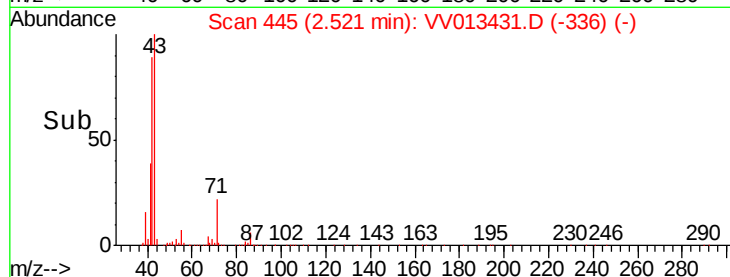


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



Time-->



#16

Methylene chloride

Concen: 0.285 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

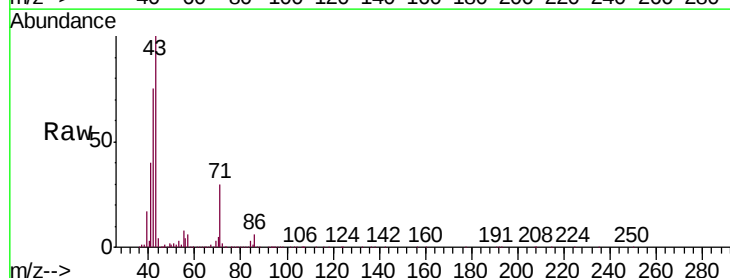
Tgt Ion: 84 Resp: 12439

Ion Ratio Lower Upper

84 100

86 222.3 43.8 81.4#

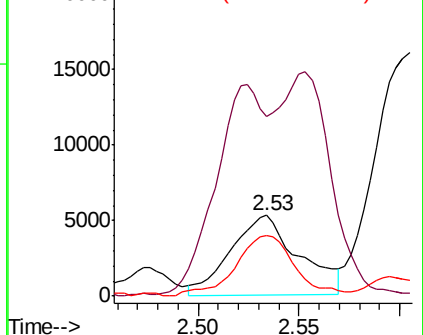
49 75.4 90.4 168.0#



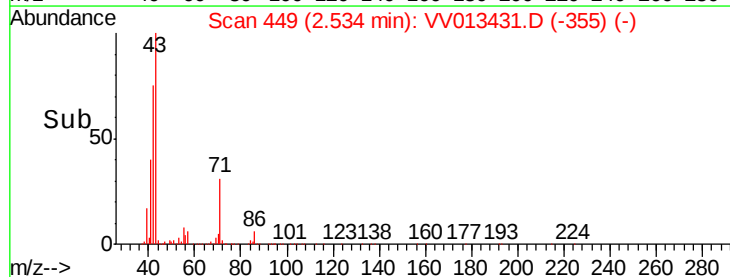
Abundance Ion 84.05 (83.75 to 84.75): VV0

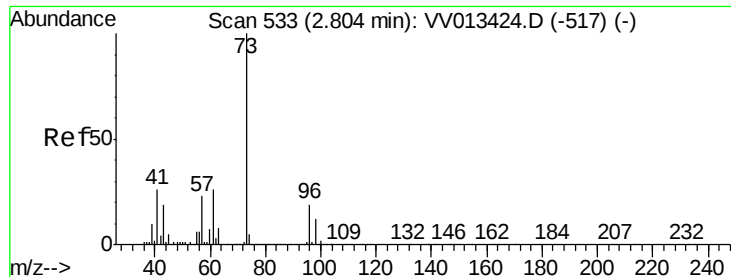
Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



Time-->





#17

Methyl tert-butyl Ether

Concen: 0.153 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

GAQE5DL

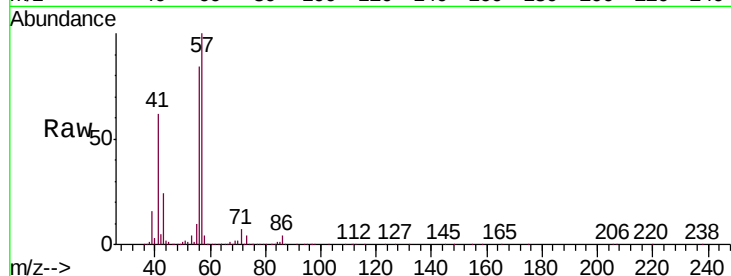
Tgt Ion: 73 Resp: 12230

Ion Ratio Lower Upper

73 100

43 1407.9 16.6 25.0#

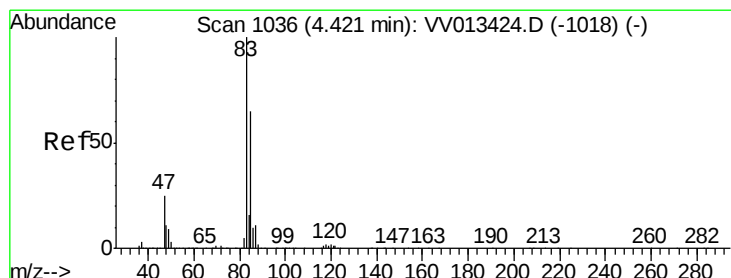
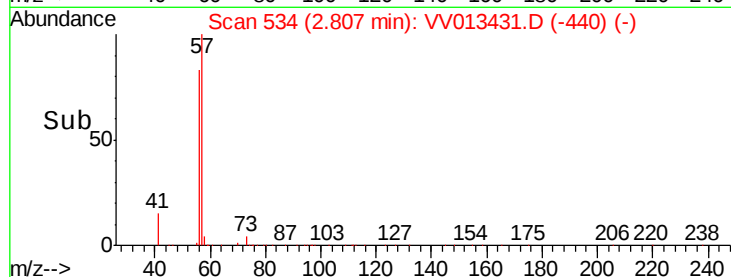
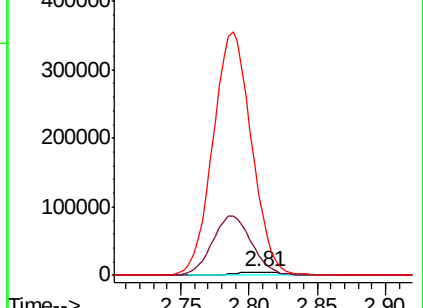
57 5710.7 18.8 28.2#



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



#25

Chloroform

Concen: 1.694 ug/L

RT: 4.45 min Scan# 1045

Delta R.T. 0.03 min

Lab File: VV013431.D

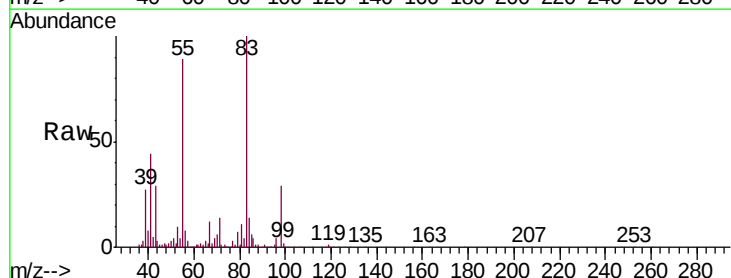
Acq: 30 Oct 2019 14:14

Tgt Ion: 83 Resp: 131983

Ion Ratio Lower Upper

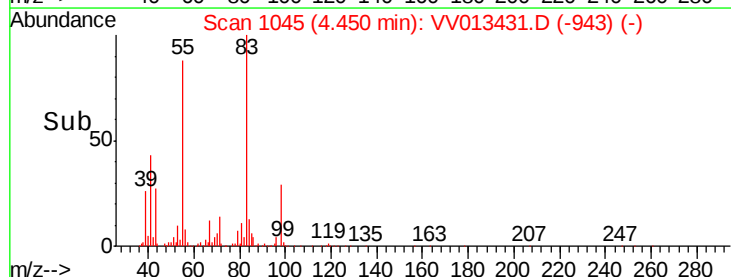
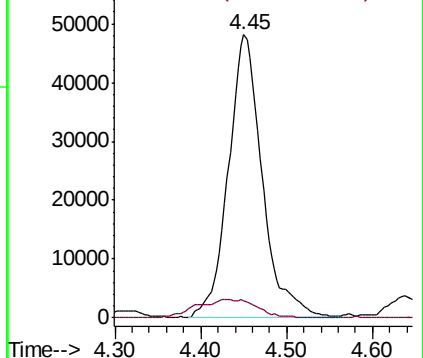
83 100

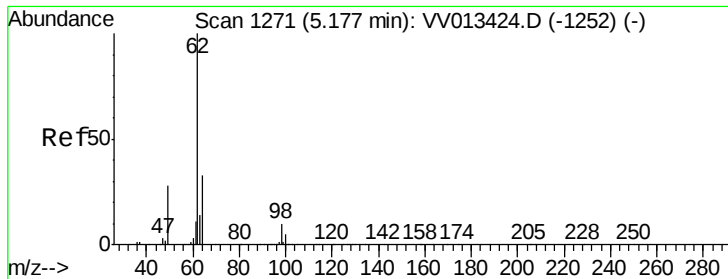
85 6.2 46.5 86.5#



Abundance Ion 83.05 (82.75 to 83.75): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 0.327 ug/L

RT: 5.14 min Scan# 1260

Delta R.T. -0.04 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

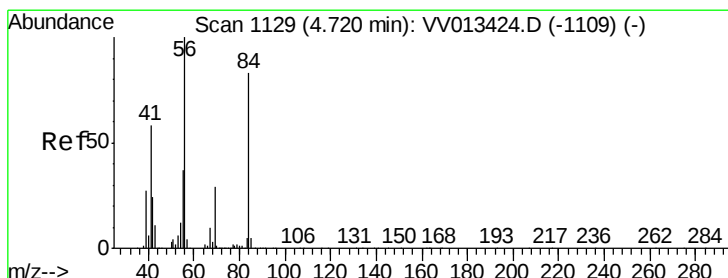
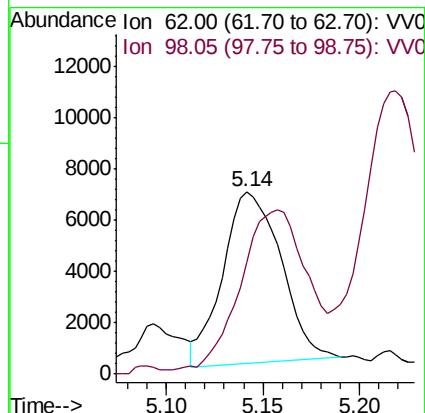
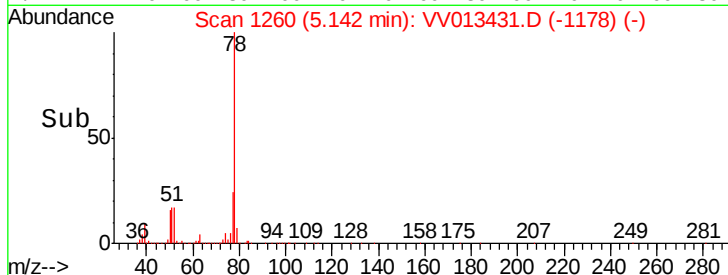
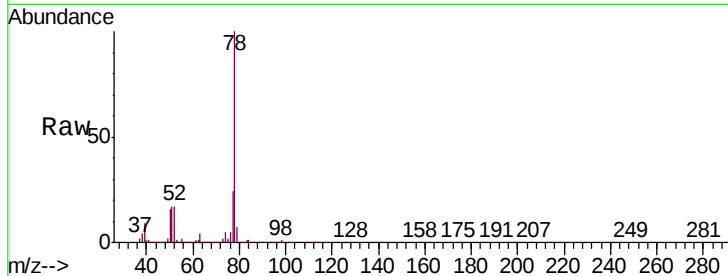
GAQE5DL

Tgt Ion: 62 Resp: 14039

Ion Ratio Lower Upper

62 100

98 61.5 8.6 12.8#



#30

Cyclohexane

Concen: 13.231 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

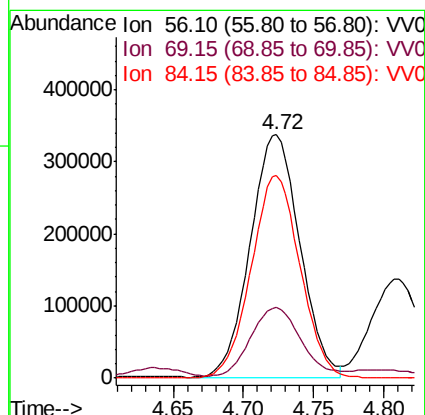
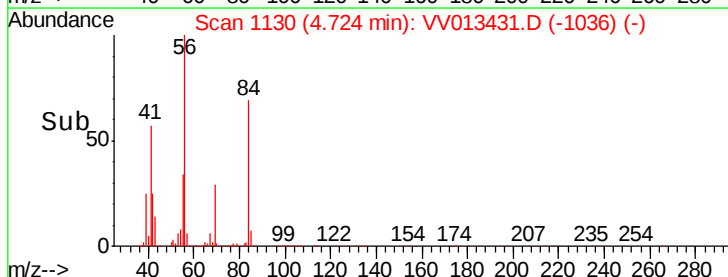
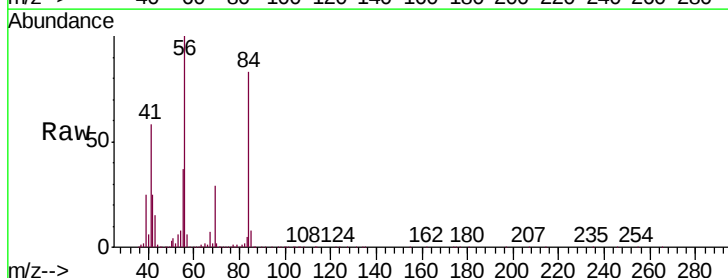
Tgt Ion: 56 Resp: 824011

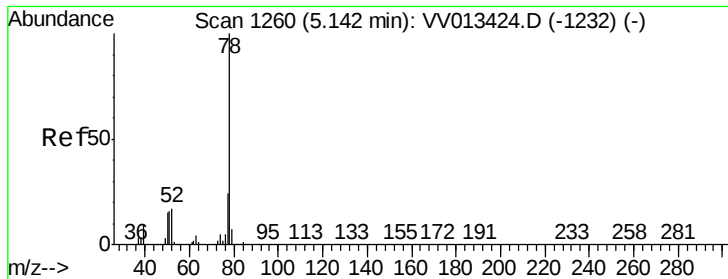
Ion Ratio Lower Upper

56 100

69 28.3 22.7 34.1

84 82.5 65.5 98.3





#33

Benzene

Concen: 12.018 ug/L

RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

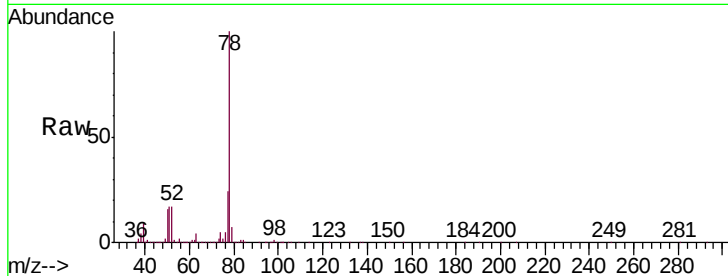
Instrument :

MSVOA_V

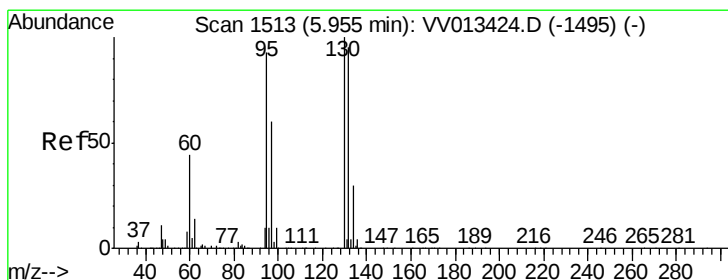
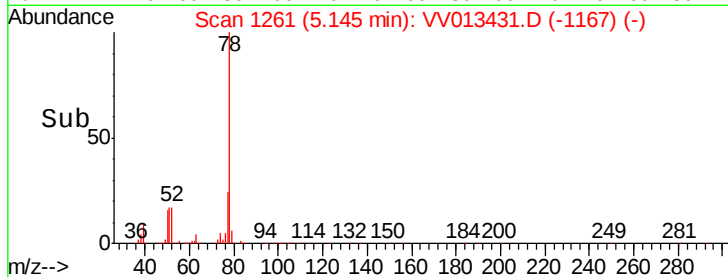
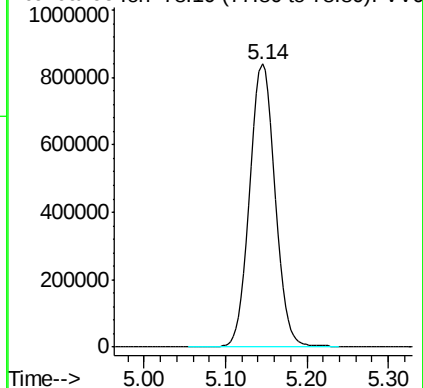
ClientSampleId :

GAQE5DL

Tgt Ion: 78 Resp: 1797997



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 0.184 ug/L

RT: 5.99 min Scan# 1524

Delta R.T. 0.04 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Tgt Ion: 95 Resp: 7551

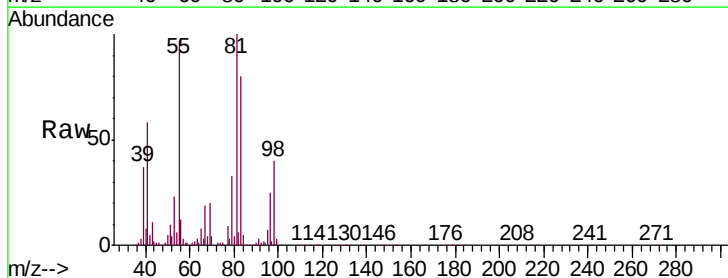
Ion Ratio Lower Upper

95 100

97 37.2 43.9 81.5#

132 3.2 68.7 127.7#

130 4.2 72.1 133.9#

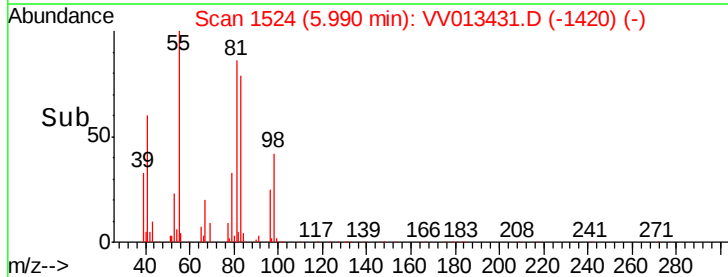
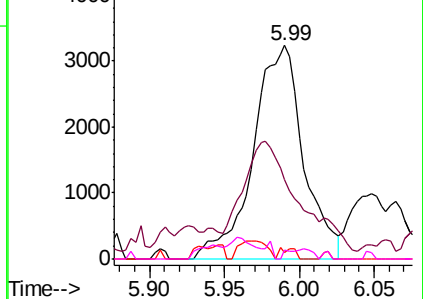


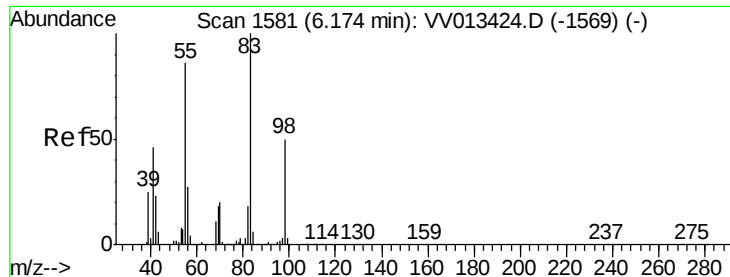
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

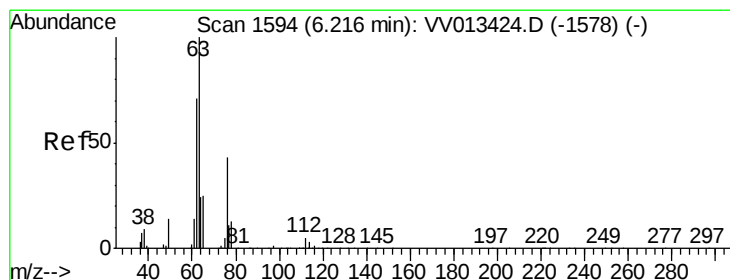
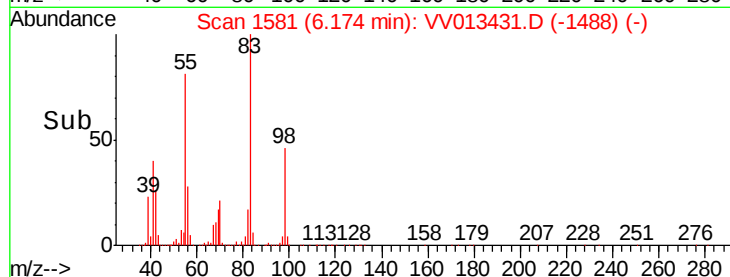
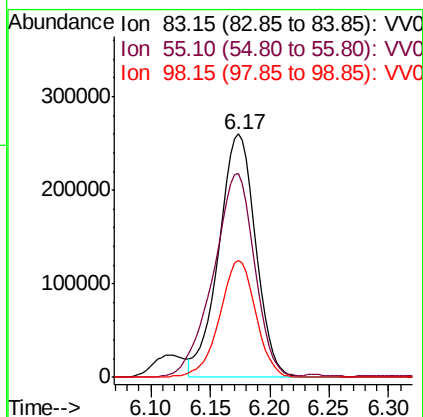
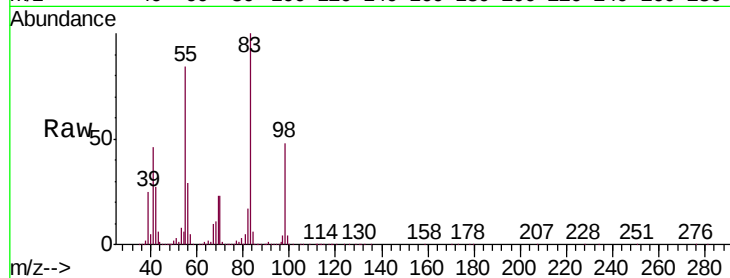




#35
Methylcyclohexane
Concen: 9.103 ug/L
RT: 6.17 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VV013431.D
Acq: 30 Oct 2019 14:14

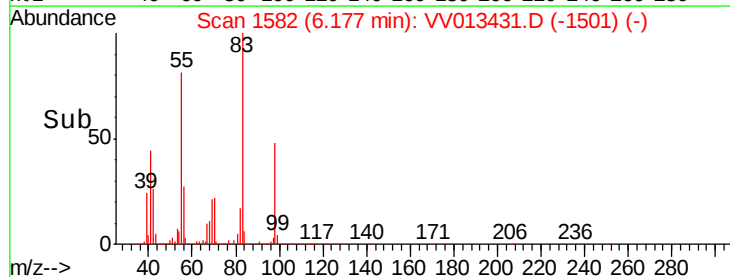
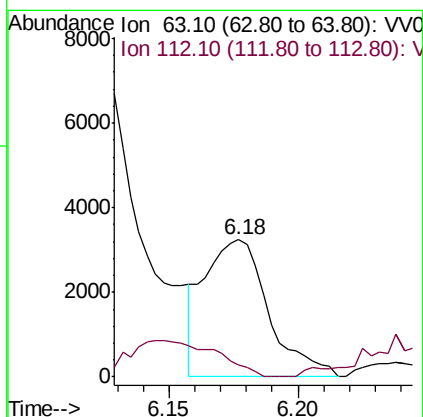
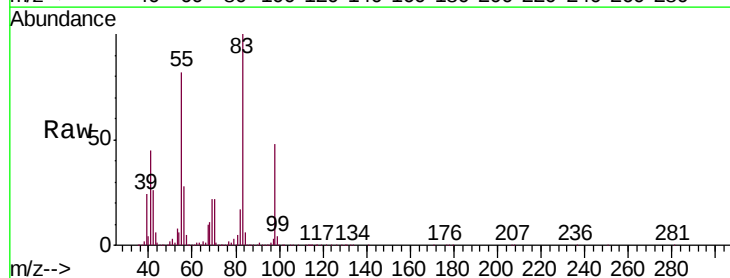
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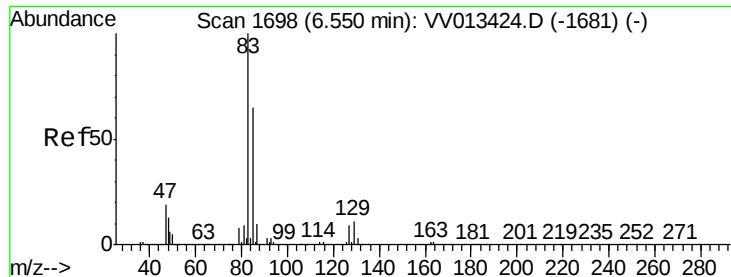
Tgt Ion: 83 Resp: 557708
Ion Ratio Lower Upper
83 100
55 93.5 66.0 99.0
98 47.3 38.2 57.4



#37
1,2-Dichloropropane
Concen: 0.148 ug/L
RT: 6.18 min Scan# 1582
Delta R.T. -0.04 min
Lab File: VV013431.D
Acq: 30 Oct 2019 14:14

Tgt Ion: 63 Resp: 5595
Ion Ratio Lower Upper
63 100
112 39.2 3.6 5.4#





#38

Bromodichloromethane

Concen: 0.775 ug/L

RT: 6.61 min Scan# 1716

Delta R.T. 0.06 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

GAQE5DL

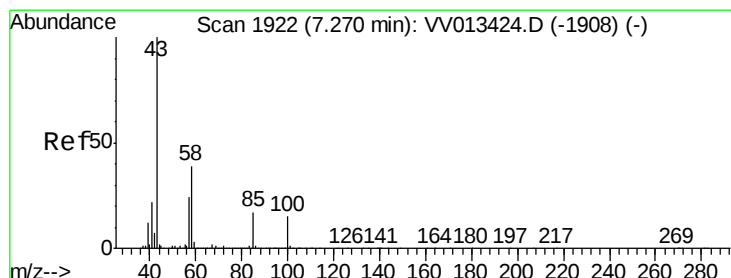
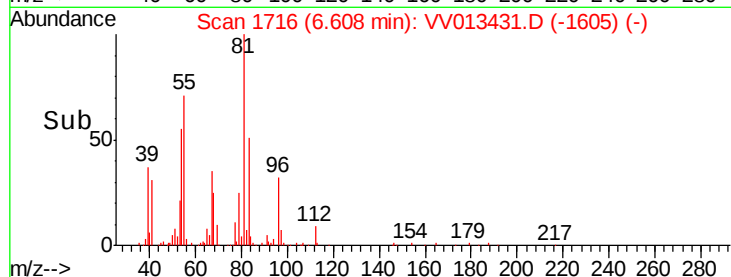
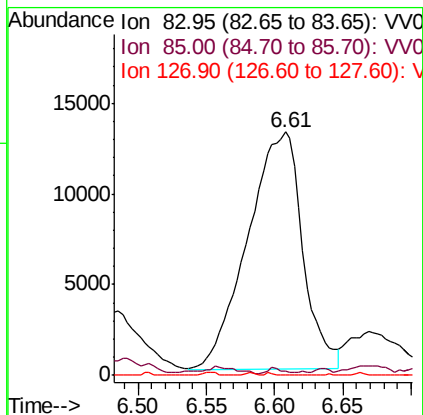
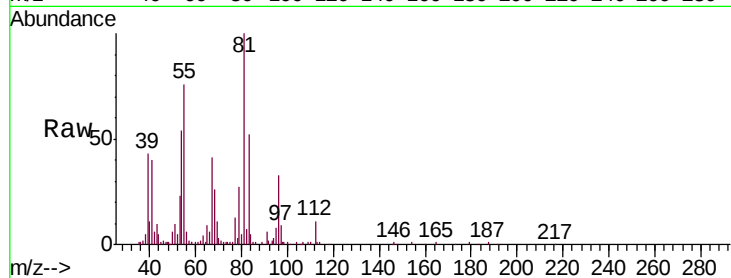
Tgt Ion: 83 Resp: 36781

Ion Ratio Lower Upper

83 100

85 1.5 45.1 83.7#

127 0.0 7.4 11.2#



#40

4-Methyl-2-pentanone

Concen: 0.894 ug/L

RT: 7.31 min Scan# 1933

Delta R.T. 0.04 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

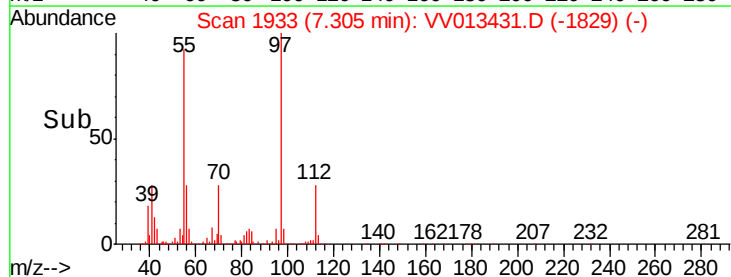
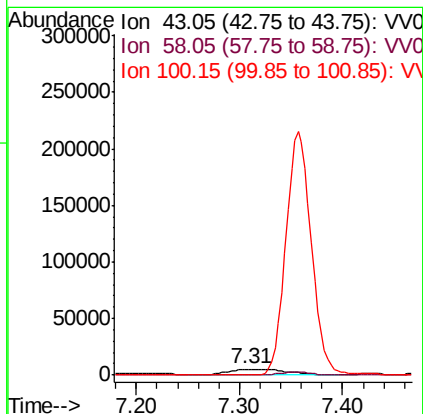
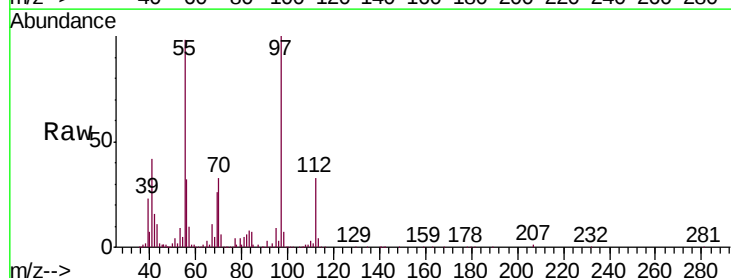
Tgt Ion: 43 Resp: 19039

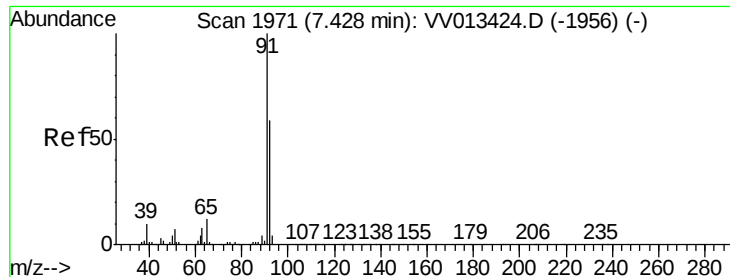
Ion Ratio Lower Upper

43 100

58 2.5 29.8 44.8#

100 0.0 11.6 17.4#





#42

Toluene

Concen: 0.942 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

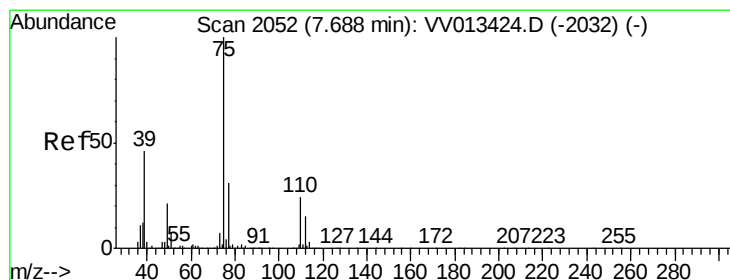
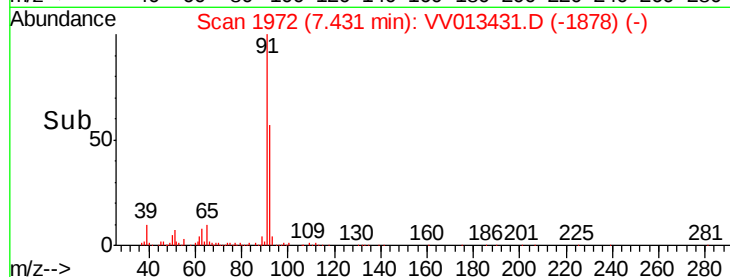
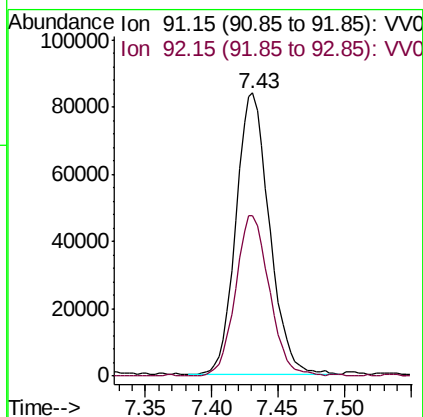
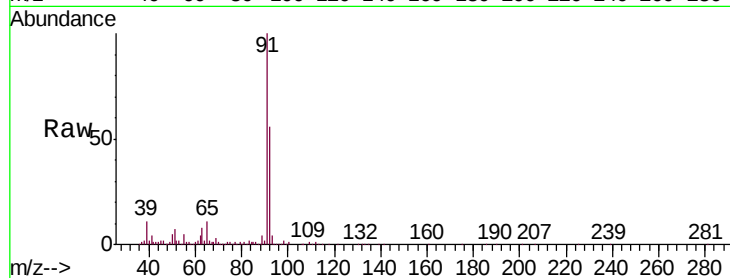
GAQE5DL

Tgt Ion: 91 Resp: 146974

Ion Ratio Lower Upper

91 100

92 56.5 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013431.D

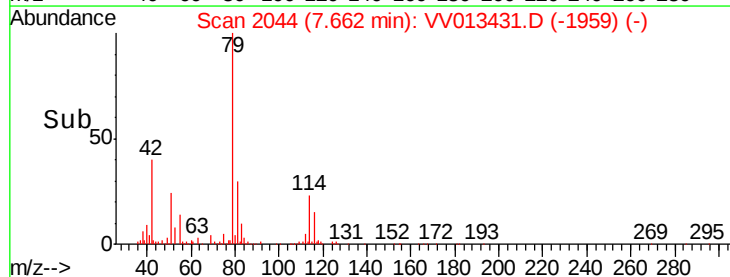
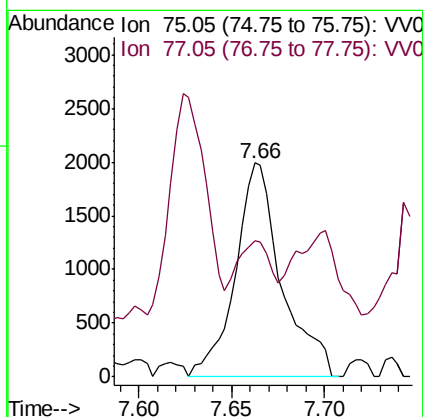
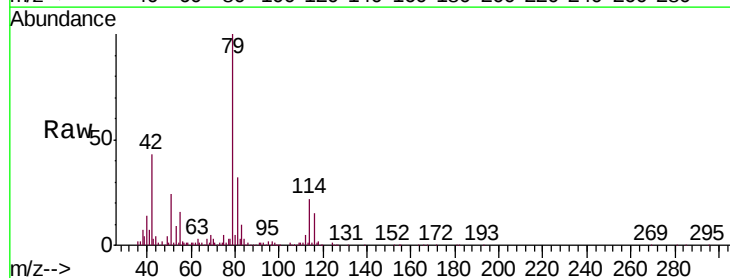
Acq: 30 Oct 2019 14:14

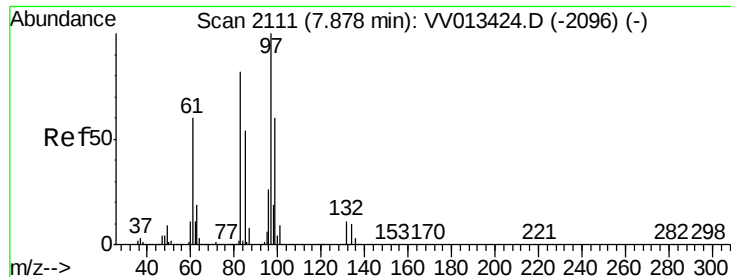
Tgt Ion: 75 Resp: 3456

Ion Ratio Lower Upper

75 100

77 63.8 21.5 39.9#

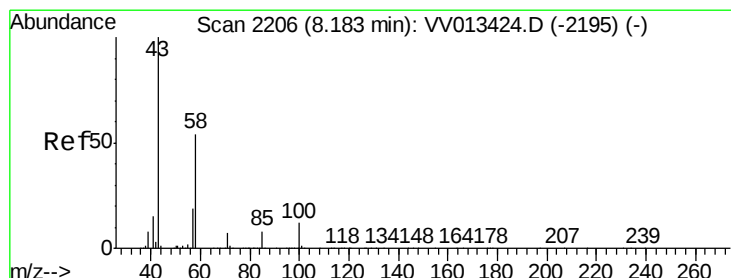
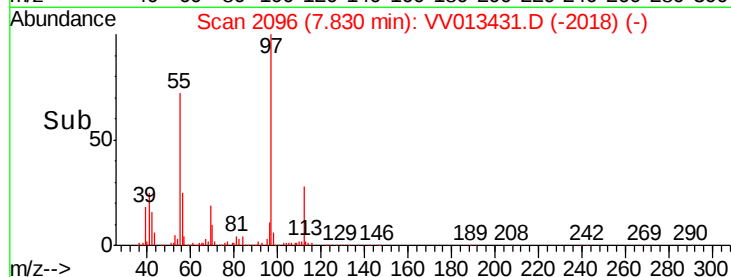
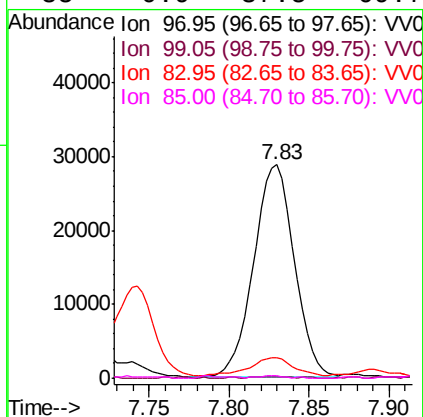
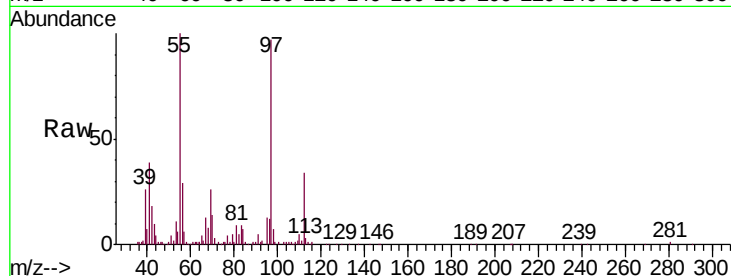




#45
 1,1,2-Trichloroethane
 Concen: 1.998 ug/L
 RT: 7.83 min Scan# 2096
 Delta R.T. -0.05 min
 Lab File: VV013431.D
 Acq: 30 Oct 2019 14:14

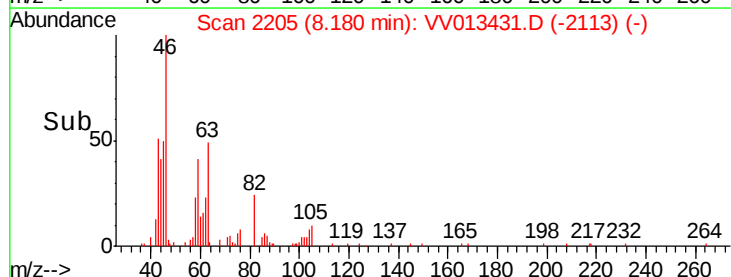
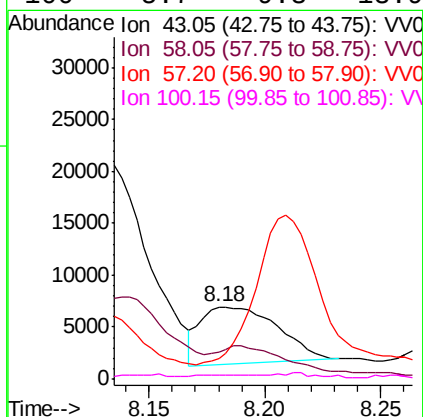
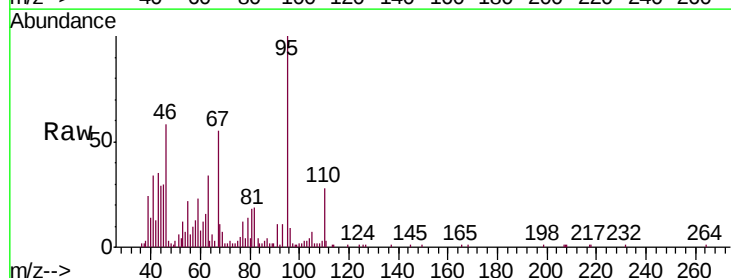
Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE5DL

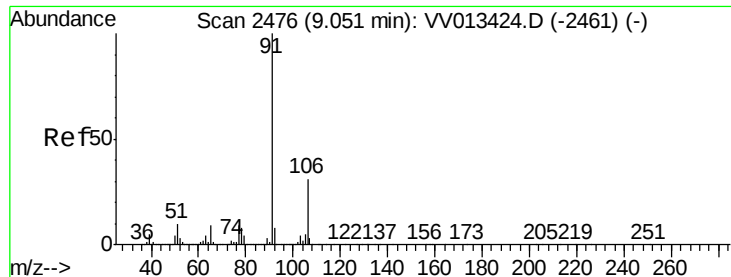
Tgt Ion:	97	Resp:	50308
Ion	Ratio	Lower	Upper
97	100		
99	0.7	41.6	77.3#
83	9.7	58.7	109.1#
85	0.9	37.5	69.7#



#48
 2-Hexanone
 Concen: 0.840 ug/L
 RT: 8.18 min Scan# 2205
 Delta R.T. -0.00 min
 Lab File: VV013431.D
 Acq: 30 Oct 2019 14:14

Tgt Ion:	43	Resp:	12647
Ion	Ratio	Lower	Upper
43	100		
58	41.1	43.5	65.3#
57	0.0	14.3	21.5#
100	5.7	9.3	13.9#





#52

Ethylbenzene

Concen: 0.468 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. 0.00 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

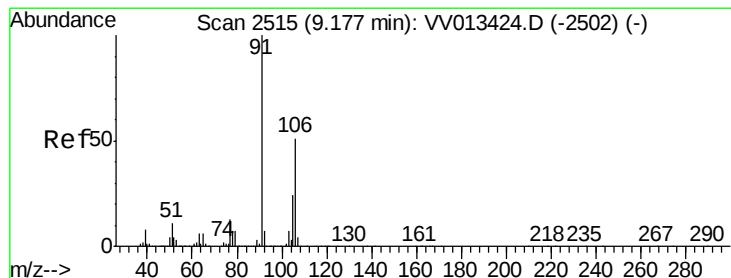
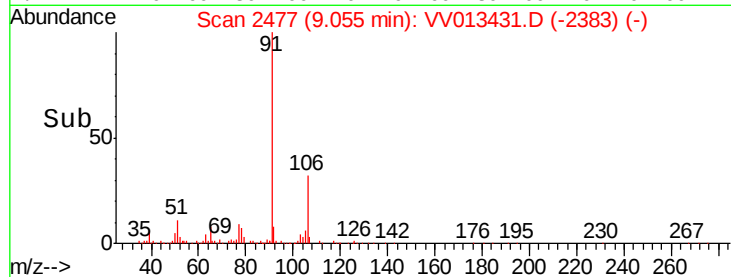
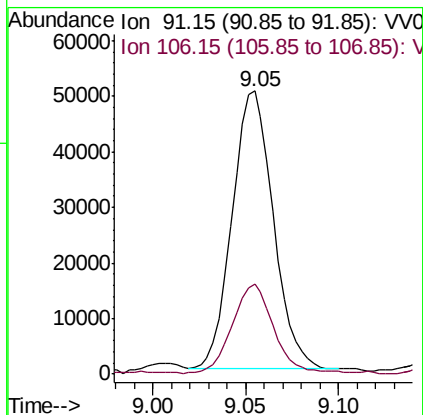
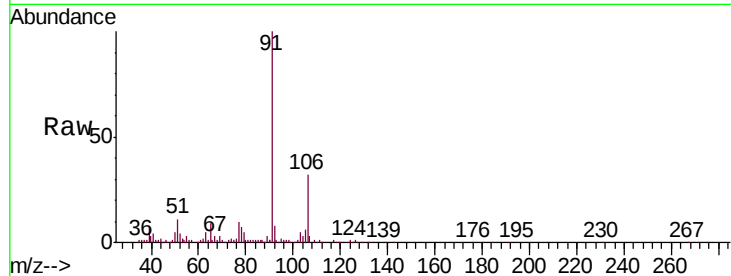
GAQE5DL

Tgt Ion: 91 Resp: 77330

Ion Ratio Lower Upper

91 100

106 31.7 21.5 39.9



#53

m,p-xylene

Concen: 8.847 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013431.D

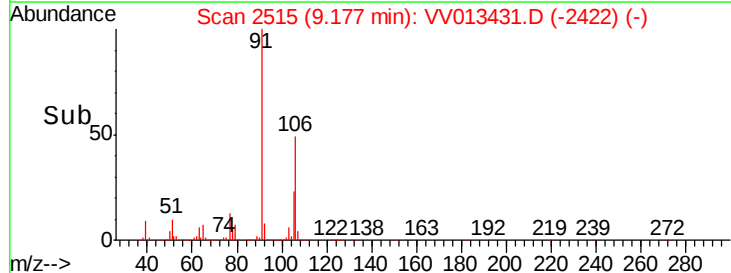
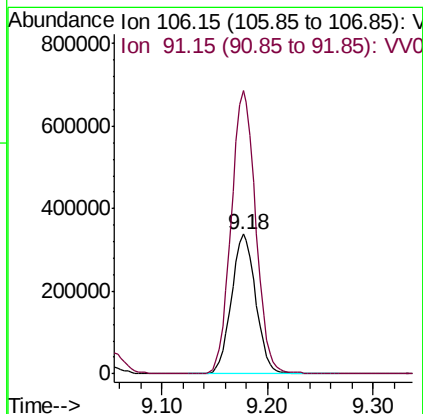
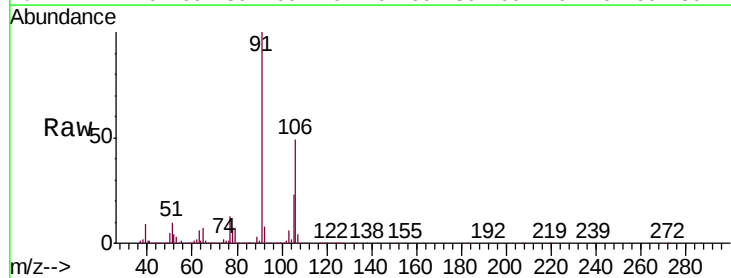
Acq: 30 Oct 2019 14:14

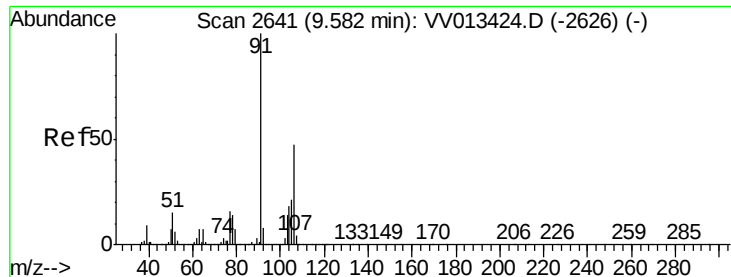
Tgt Ion: 106 Resp: 540494

Ion Ratio Lower Upper

106 100

91 202.9 144.3 267.9





#54

o-xylene

Concen: 0.146 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

Instrument :

MSVOA_V

ClientSampleId :

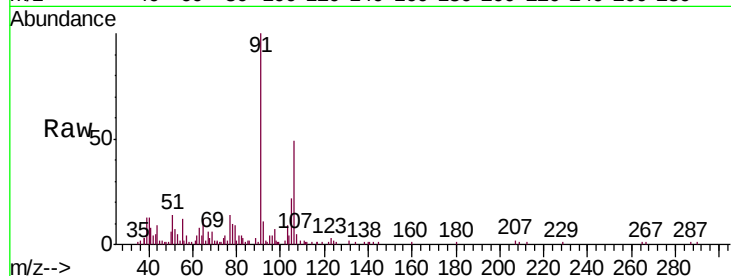
GAQE5DL

Tgt Ion:106 Resp: 8649

Ion Ratio Lower Upper

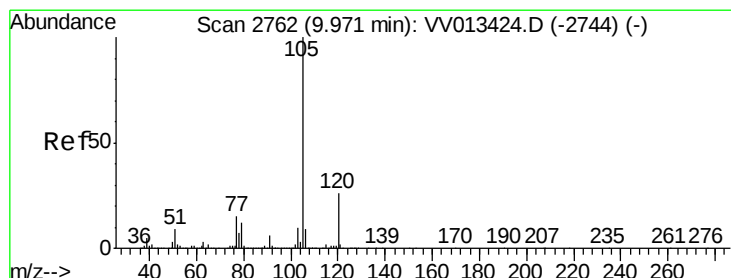
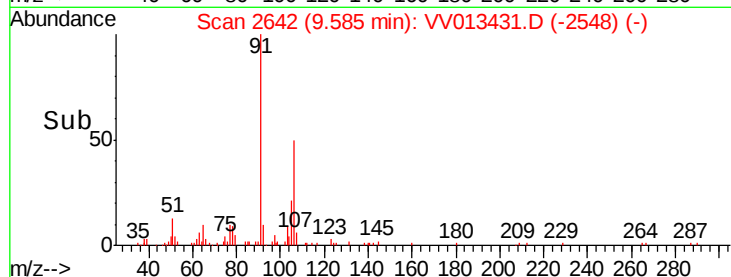
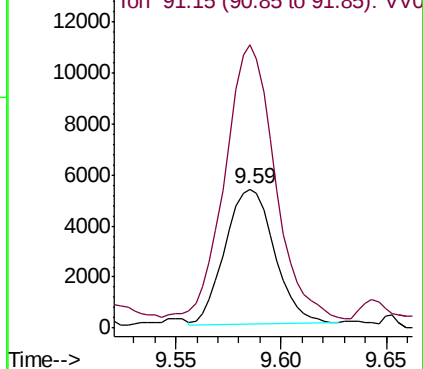
106 100

91 203.2 151.5 281.5



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#56

Isopropylbenzene

Concen: 1.663 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. -0.00 min

Lab File: VV013431.D

Acq: 30 Oct 2019 14:14

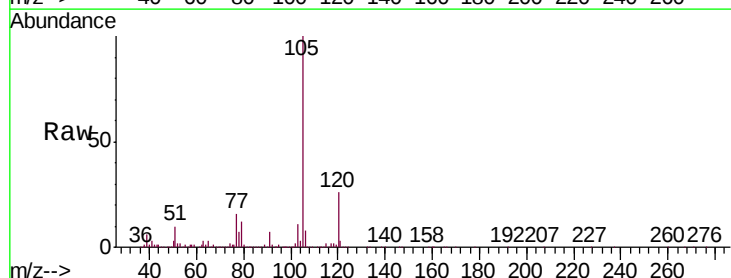
Tgt Ion:105 Resp: 264556

Ion Ratio Lower Upper

105 100

120 26.2 21.0 31.6

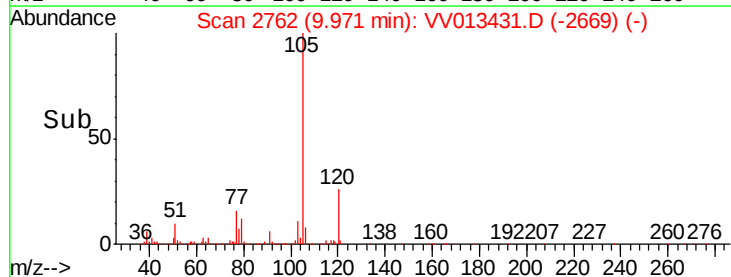
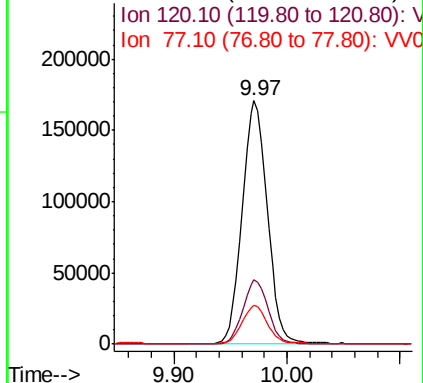
77 15.9 12.9 19.3

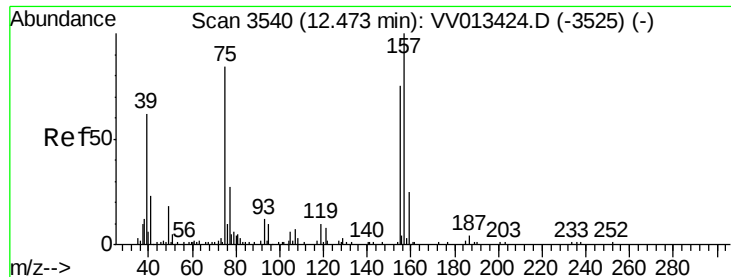


Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): VV0

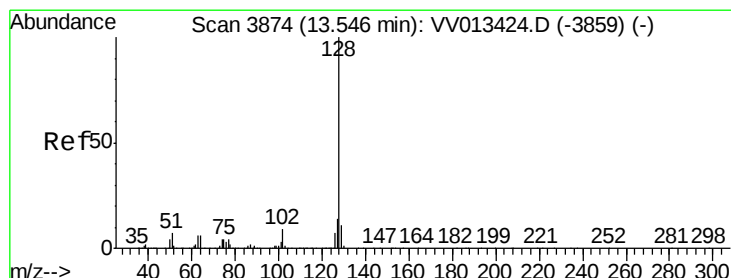
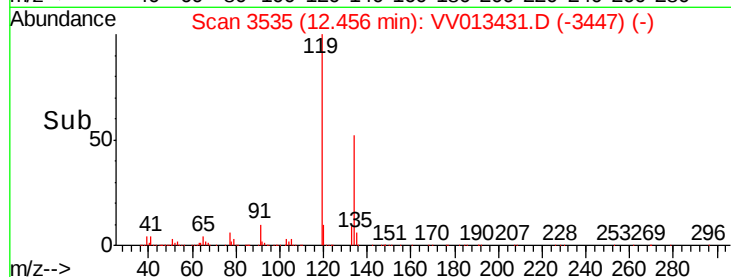
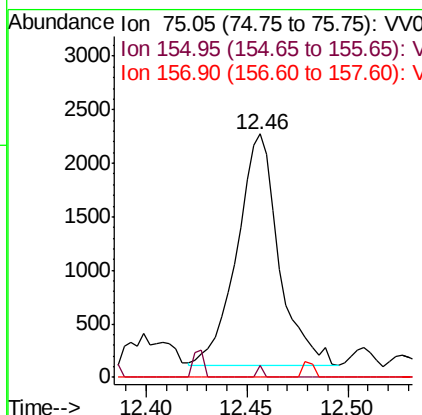
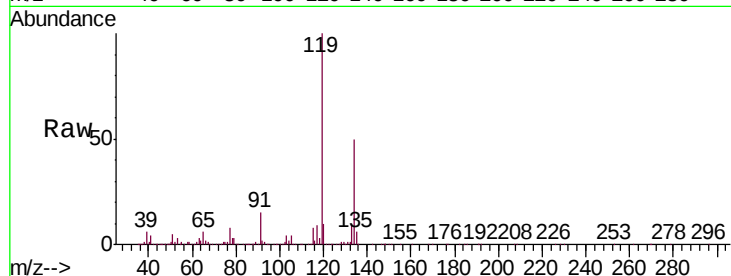




#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.768 ug/L
 RT: 12.46 min Scan# 3535
 Delta R.T. -0.02 min
 Lab File: VV013431.D
 Acq: 30 Oct 2019 14:14

Instrument :
 MSVOA_V
 ClientSampleId :
 GAQE5DL

Tgt Ion: 75 Resp: 3153
 Ion Ratio Lower Upper
 75 100
 155 4.7 70.6 105.8#
 157 0.0 85.8 128.8#



#69
 Naphthalene
 Concen: 10.243 ug/L
 RT: 13.55 min Scan# 3874
 Delta R.T. -0.00 min
 Lab File: VV013431.D
 Acq: 30 Oct 2019 14:14

Tgt Ion: 128 Resp: 680083
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.7 13.1
 127 13.3 10.6 16.0

