

Data File : VV011171.D
Acq On : 31 May 2019 09:26
Operator : SY/MD
Sample : K3081-04
Misc : 7.04G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GALD4

Quant Time: May 31 23:20:35 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM053019S.M
Quant Title : VOC Analysis
QLast Update : Fri May 31 23:16:38 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	321605	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	344023	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	148833	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	89320	20.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	82.12%
7) Chloroethane-d5	1.55	69	77760	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.00%
10) 1,1-Dichloroethene-d2	2.11	63	119821	13.41	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.64%
20) 2-Butanone-d5	3.93	46	64207	40.37	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.74%
24) Chloroform-d	4.39	84	164797	20.96	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	83.84%
26) 1,2-Dichloroethane-d4	5.07	65	105381	20.57	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	82.28%
29) Benzene-d6	5.09	84	319803	17.12	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	68.48%
33) 1,2-Dichloropropane-d6	6.11	67	102129	17.06	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	68.24%#
37) Toluene-d8	7.35	98	399184	22.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.60%
38) trans-1,3-Dichloropropene-	7.66	79	59420	21.93	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	87.72%
39) 2-Hexanone-d5	8.13	63	62281	45.78	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	91.56%
48) 1,1,2,2-Tetrachloroethane-	10.20	84	483	0.09	ug/L	-0.06
Spiked Amount	25.000	Range	45 - 120	Recovery	=	0.36%#
61) 1,2-Dichlorobenzene-d4	11.67	152	129792	23.31	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.24%

Target Compounds

					Qvalue
13) Acetone	2.18	43	33747	18.240 ug/L	99
14) Carbon disulfide	2.30	76	7312	0.630 ug/L #	82
30) Cyclohexane	4.71	56	13917	1.513 ug/L	87
34) Benzene	5.14	78	32069	1.572 ug/L	100
36) Methylcyclohexane	6.17	83	88231	9.750 ug/L	90
40) 1,2-Dichloropropane	6.11	63	11944	2.228 ug/L	99
43) 4-Methyl-2-pentanone	7.30	43	29945	6.149 ug/L #	49
44) Toluene	7.43	91	54419	2.445 ug/L	97
46) 1,1,2-Trichloroethane	7.83	97	149501	35.753 ug/L #	19
49) 2-Hexanone	8.12	43	285403	81.336 ug/L #	28
53) Ethylbenzene	9.05	91	564181	22.087 ug/L	100
54) m,p-Xylene	9.18	106	604000	63.571 ug/L	96
55) o-xylene	9.59	106	281616	30.138 ug/L	98
56) Styrene	9.59	104	15700	1.000 ug/L #	1
57) Isopropylbenzene	9.97	105	631850	25.324 ug/L	97
58) 1,1,2,2-Tetrachloroethane	10.29	83	181700	31.977 ug/L #	34
66) 1,2-Dibromo-3-chloropropan	12.46	75	16163	18.250 ug/L #	6

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV053019\
Quantitation Report (Not Reviewed)

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
69) Naphthalene	13.55	128	3214356	270.375	ug/L	99

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

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Misc : 7.04G/10ML/MSVOA V/SOIL

```
ALS Vial      : 1      Sample Multiplier: 1
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Instrument :
MSVOA_V
ClientSampleId :
GALD4

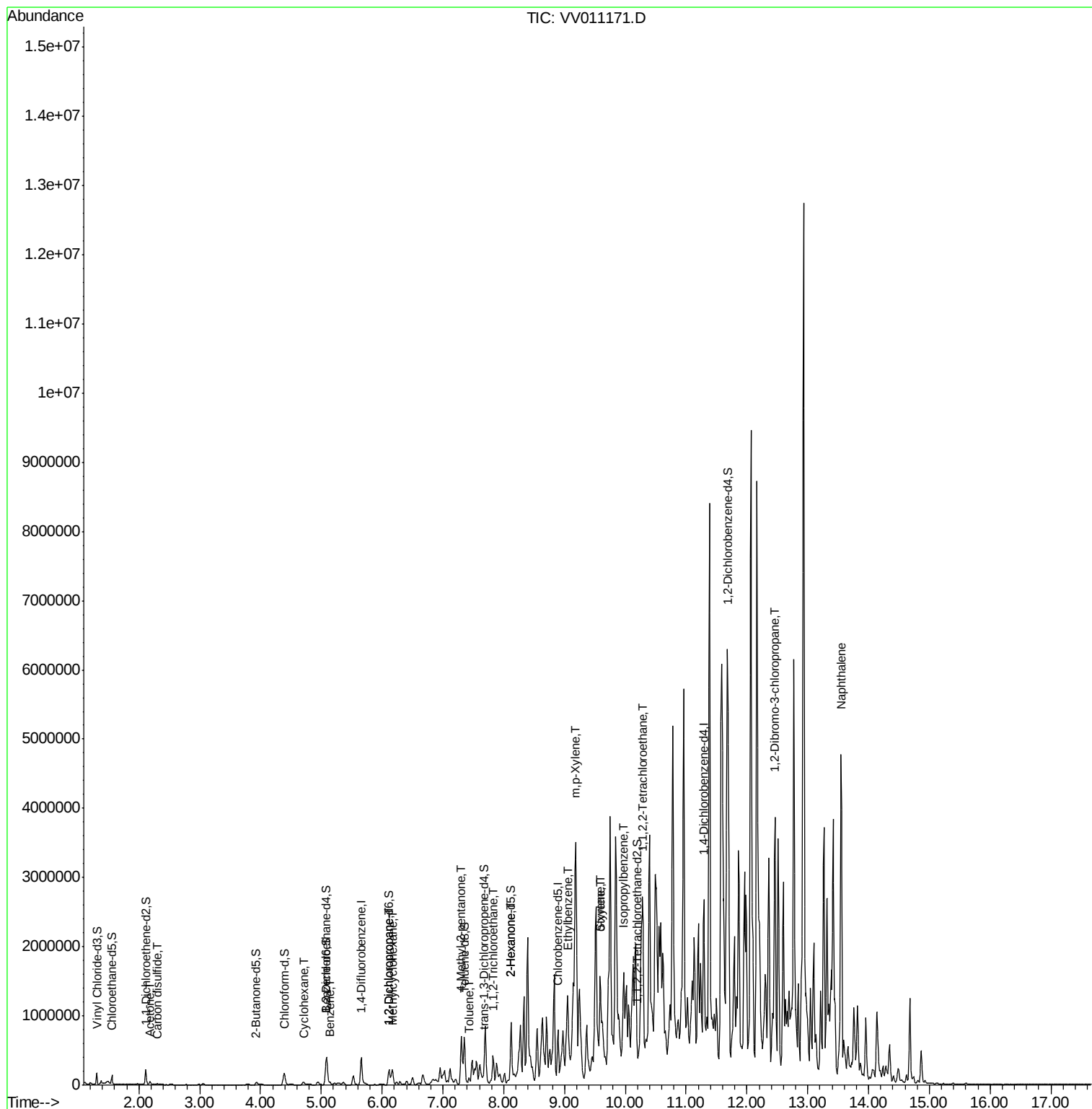
Quant Time: May 31 23:20:35 2019

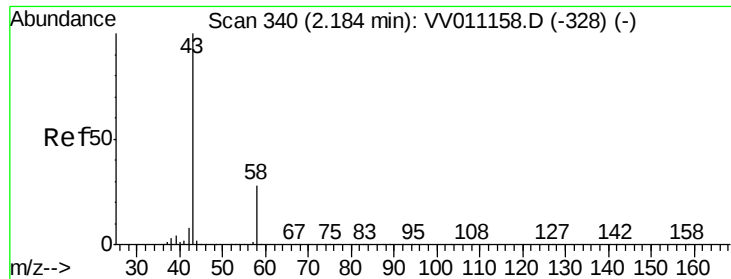
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Quant Title : VOC Analysis

QLast Update : Fri May 31 23:16:38 2019

Response via : Initial Calibration





#13

Acetone

Concen: 18.240 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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Acq: 31 May 2019 09:26

Instrument :

MSVOA_V

ClientSampleId :

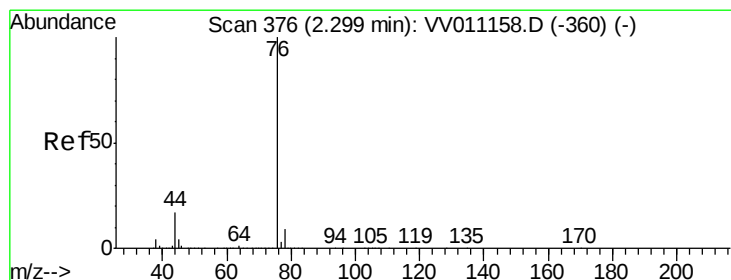
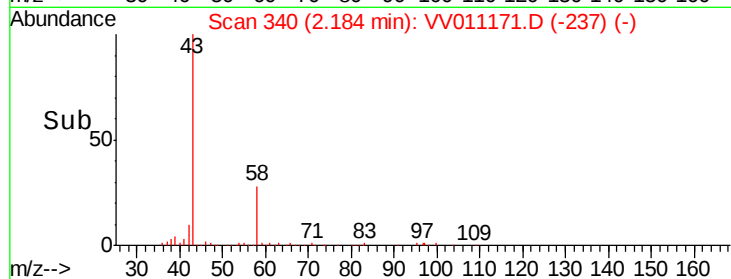
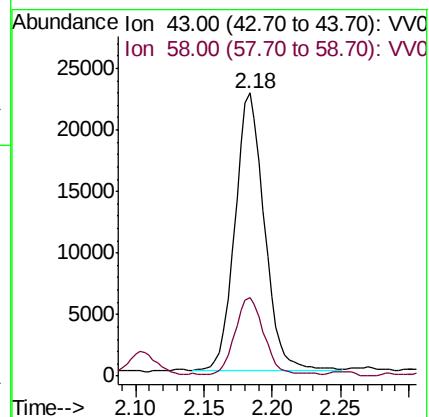
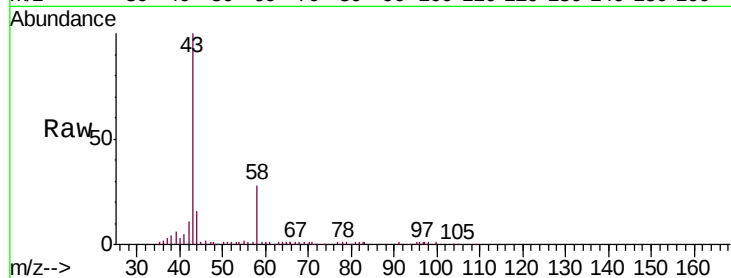
GALD4

Tgt Ion: 43 Resp: 33747

Ion Ratio Lower Upper

43 100

58 27.3 0.0 53.8



#14

Carbon disulfide

Concen: 0.630 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV011171.D

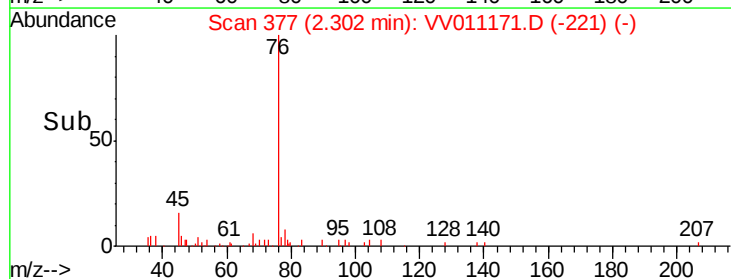
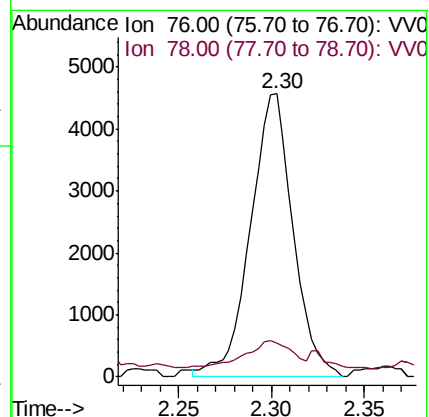
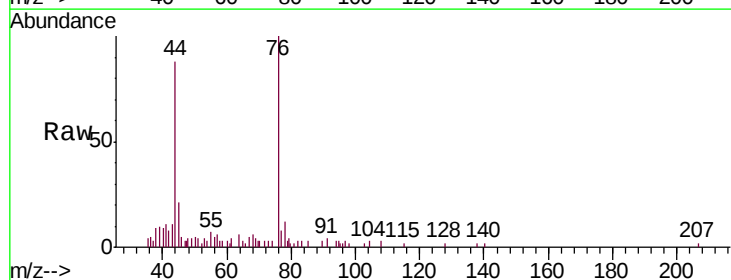
Acq: 31 May 2019 09:26

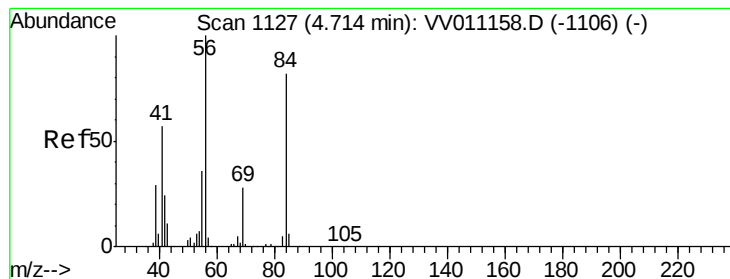
Tgt Ion: 76 Resp: 7312

Ion Ratio Lower Upper

76 100

78 15.5 7.2 10.8#





#30

Cyclohexane

Concen: 1.513 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. -0.01 min

Lab File: VV011171.D

Acq: 31 May 2019 09:26

Instrument :

MSVOA_V

ClientSampleId :

GALD4

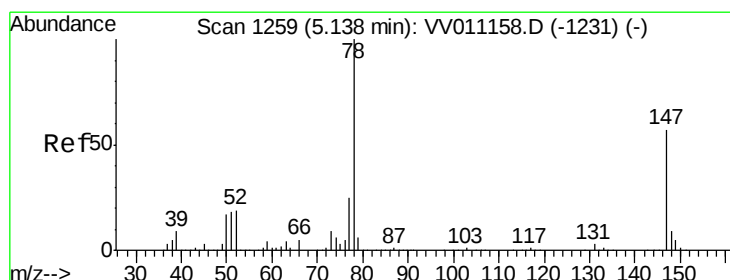
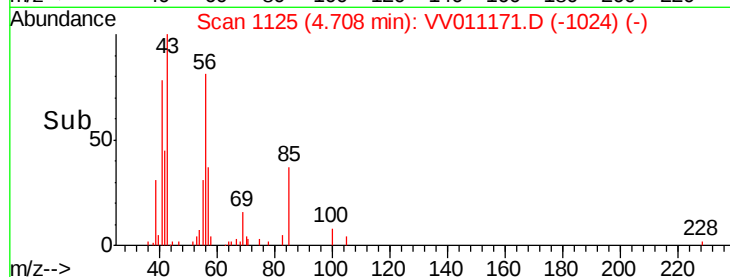
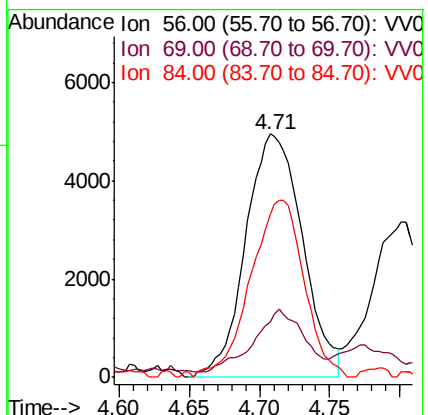
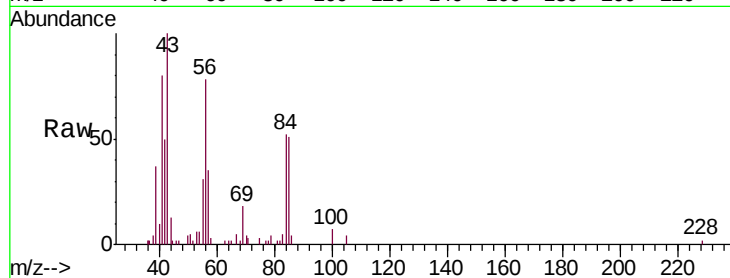
Tgt Ion: 56 Resp: 13917

Ion Ratio Lower Upper

56 100

69 26.2 23.4 35.0

84 68.5 65.8 98.8



#34

Benzene

Concen: 1.572 ug/L

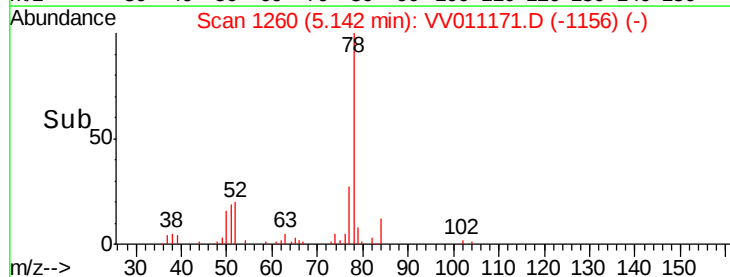
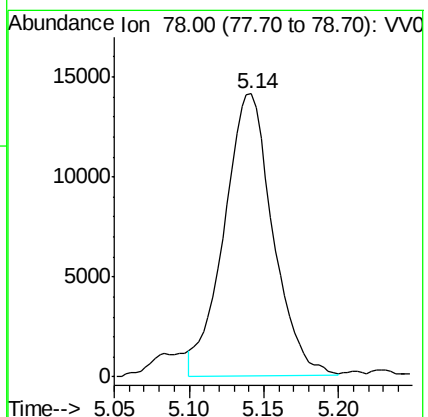
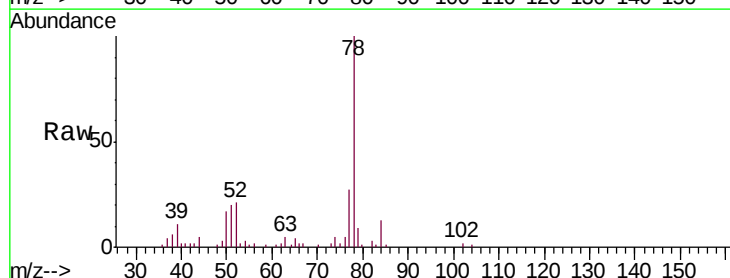
RT: 5.14 min Scan# 1260

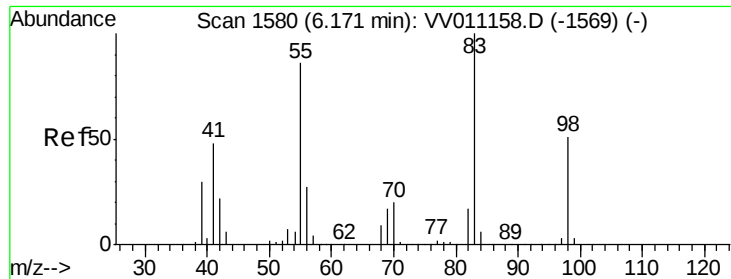
Delta R.T. 0.00 min

Lab File: VV011171.D

Acq: 31 May 2019 09:26

Tgt Ion: 78 Resp: 32069

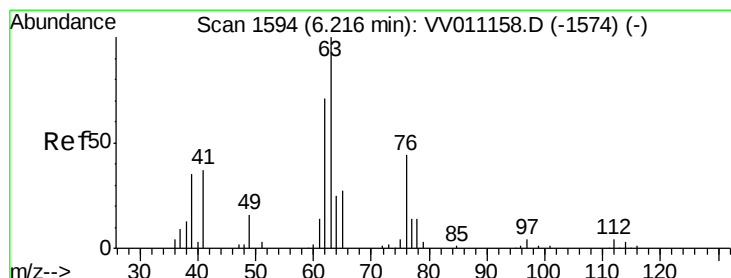
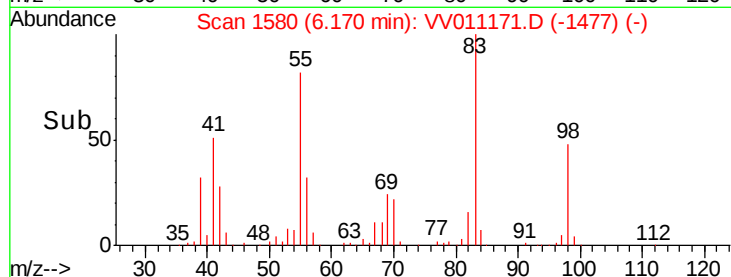
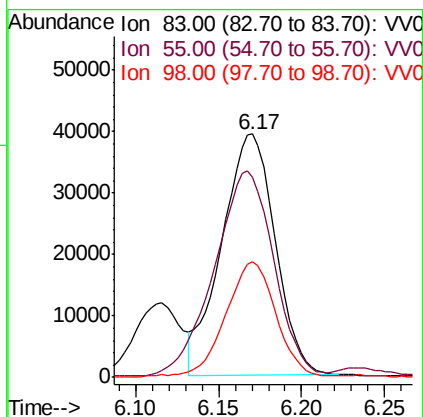
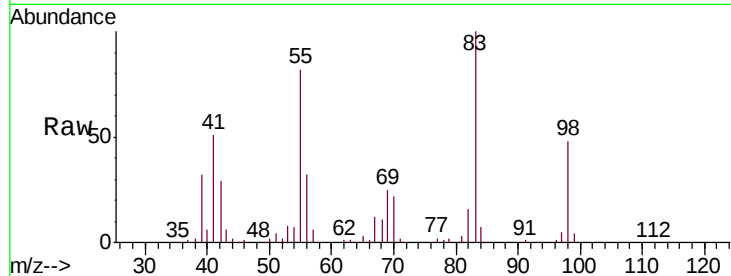




#36
Methylcyclohexane
Concen: 9.750 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV011171.D
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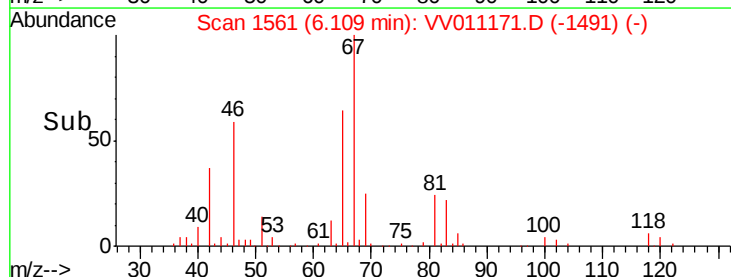
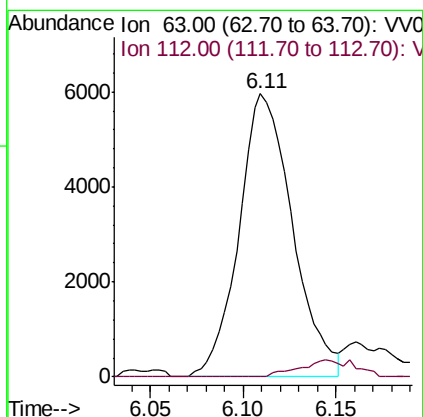
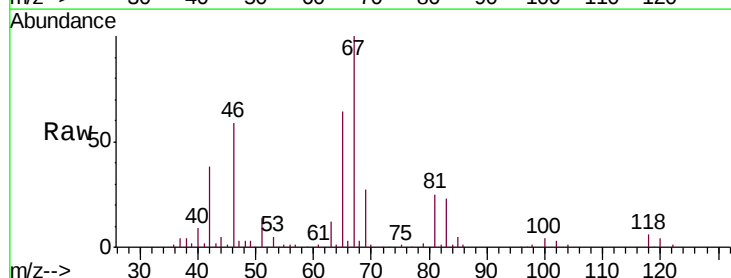
Instrument :
MSVOA_V
ClientSampled :
GALD4

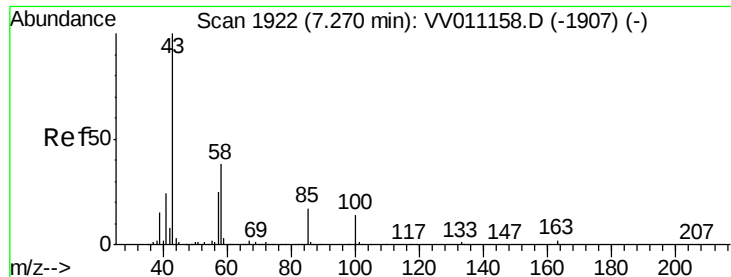
Tgt Ion: 83 Resp: 88231
Ion Ratio Lower Upper
83 100
55 94.5 66.4 99.6
98 44.6 37.9 56.9



#40
1,2-Dichloropropane
Concen: 2.228 ug/L
RT: 6.11 min Scan# 1561
Delta R.T. -0.11 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

Tgt Ion: 63 Resp: 11944
Ion Ratio Lower Upper
63 100
112 4.7 3.6 5.4

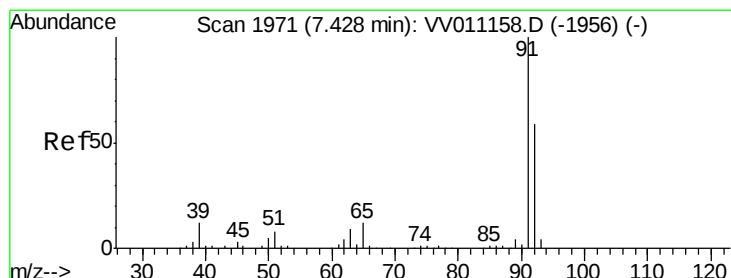
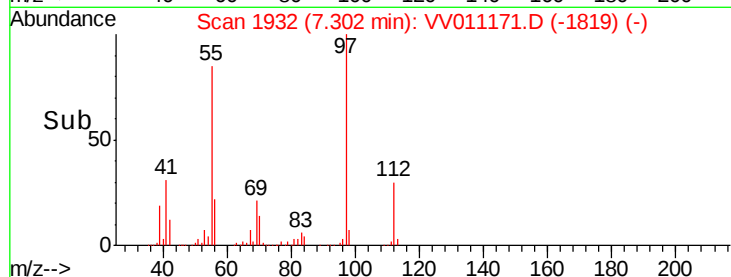
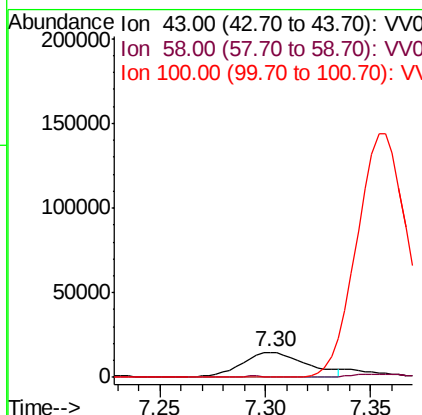
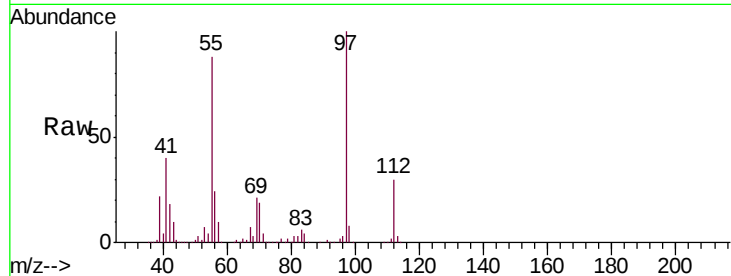




#43
4-Methyl-2-pentanone
Concen: 6.149 ug/L
RT: 7.30 min Scan# 1932
Delta R.T. 0.03 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

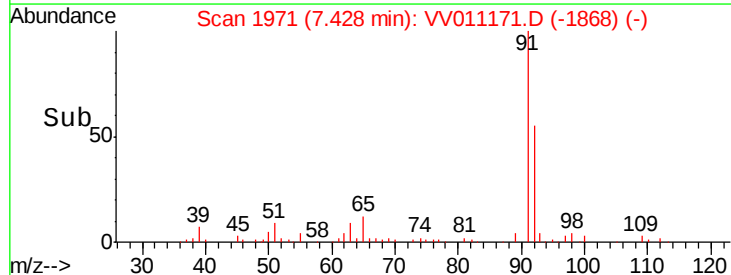
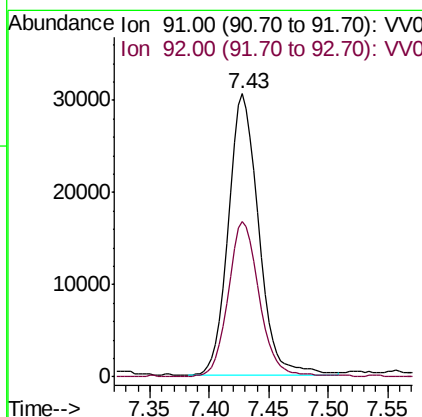
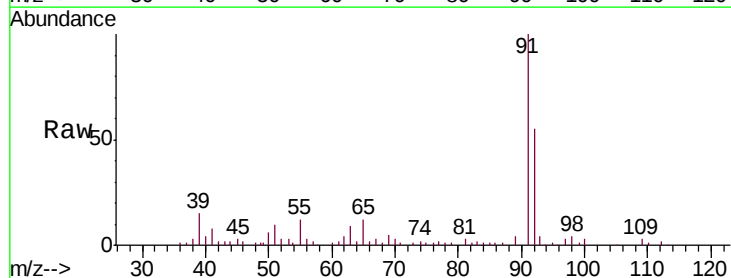
Instrument :
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ClientSampleId :
GALD4

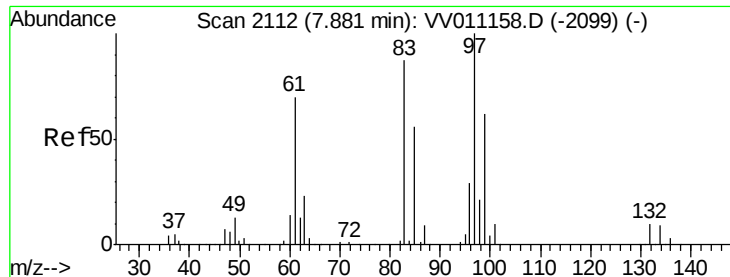
Tgt Ion	Resp	Lower	Upper
43	100		
58	3.5	30.2	45.4#
100	0.0	11.3	16.9#



#44
Toluene
Concen: 2.445 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

Tgt Ion	Resp	Lower	Upper
91	100		
92	54.8	39.9	74.1

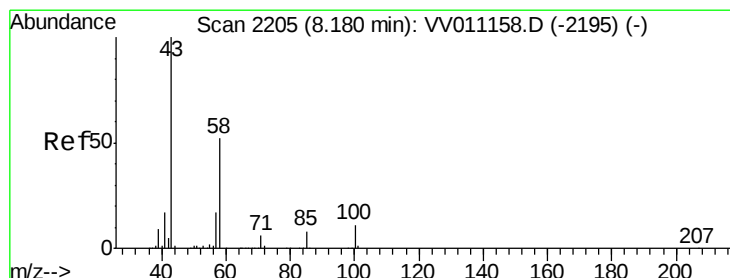
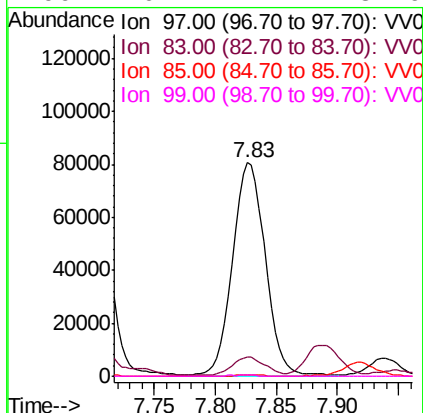
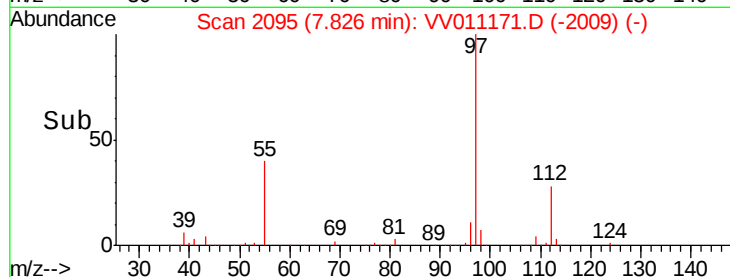
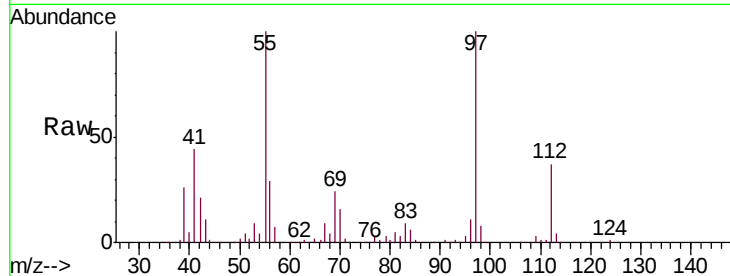




#46
 1,1,2-Trichloroethane
 Concen: 35.753 ug/L
 RT: 7.83 min Scan# 2095
 Delta R.T. -0.05 min
 Lab File: VV011171.D
 Acq: 31 May 2019 09:26

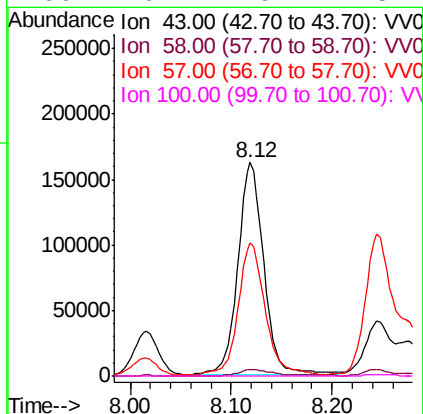
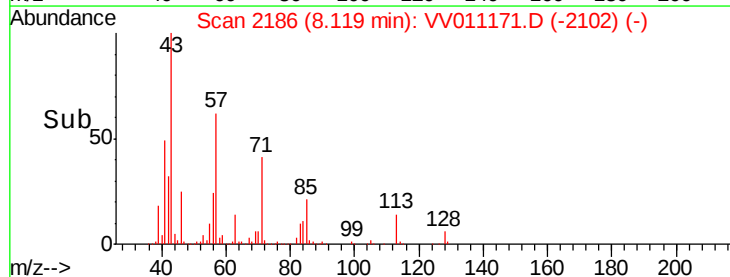
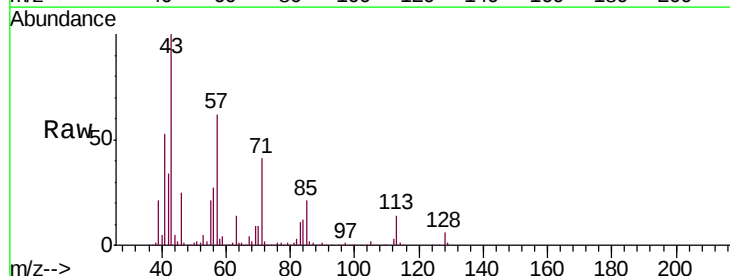
Instrument :
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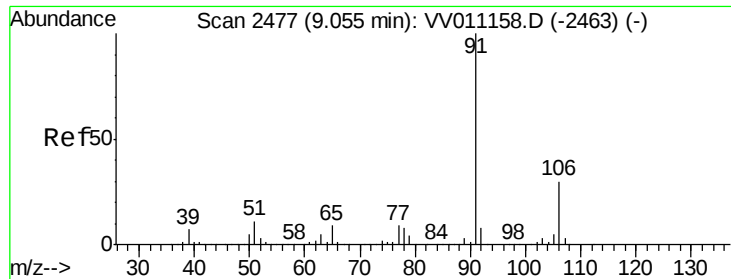
Tgt Ion: 97 Resp: 149501
 Ion Ratio Lower Upper
 97 100
 83 9.1 61.9 115.1#
 85 0.6 38.6 71.8#
 99 0.4 44.7 82.9#



#49
 2-Hexanone
 Concen: 81.336 ug/L
 RT: 8.12 min Scan# 2186
 Delta R.T. -0.06 min
 Lab File: VV011171.D
 Acq: 31 May 2019 09:26

Tgt Ion: 43 Resp: 285403
 Ion Ratio Lower Upper
 43 100
 58 4.0 41.2 61.8#
 57 65.8 14.3 21.5#
 100 0.1 9.1 13.7#

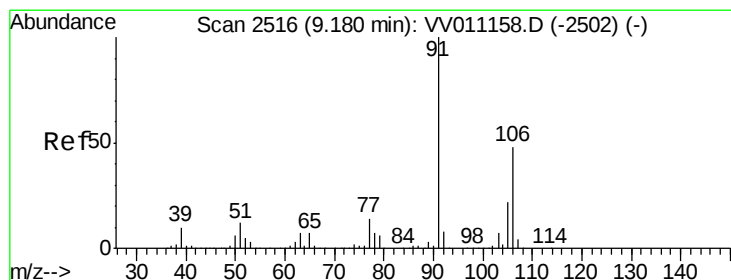
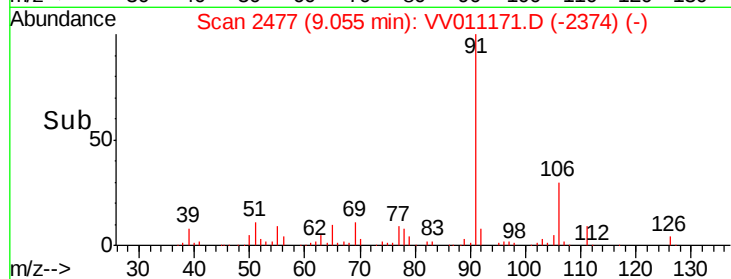
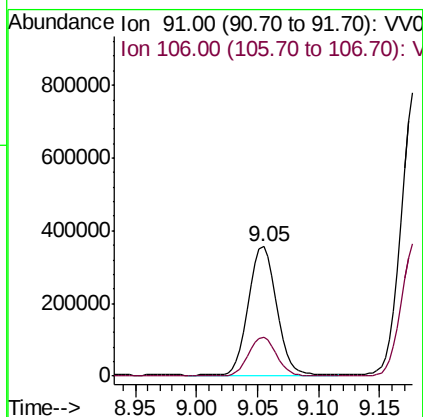
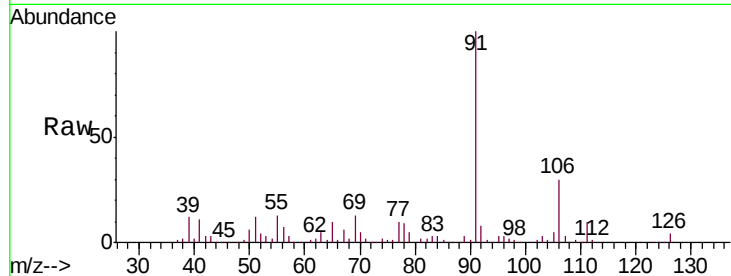




#53
Ethylbenzene
Concen: 22.087 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

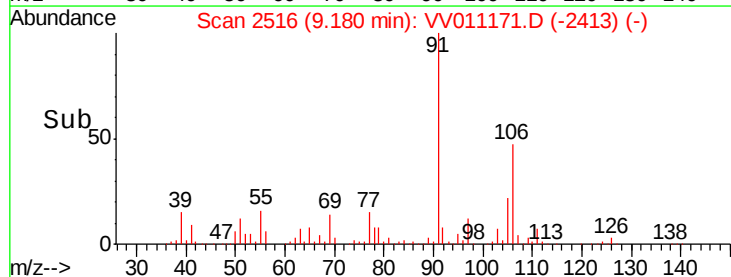
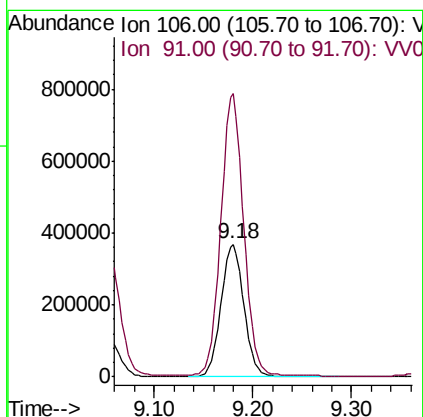
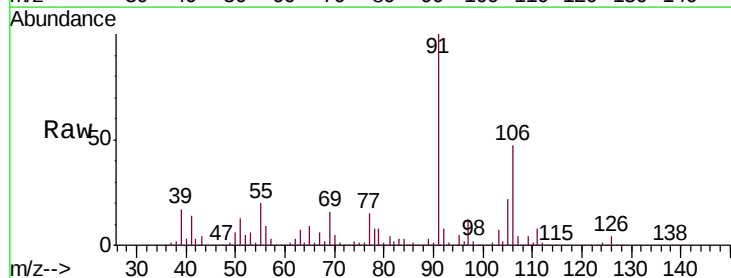
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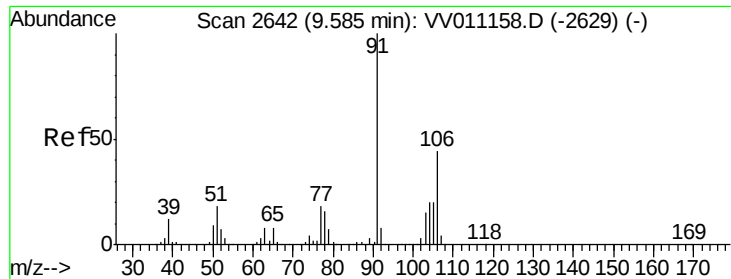
Tgt Ion: 91 Resp: 564181
Ion Ratio Lower Upper
91 100
106 30.3 21.2 39.4



#54
m,p-Xylene
Concen: 63.571 ug/L
RT: 9.18 min Scan# 2516
Delta R.T. -0.00 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

Tgt Ion: 106 Resp: 604000
Ion Ratio Lower Upper
106 100
91 213.4 145.3 269.9

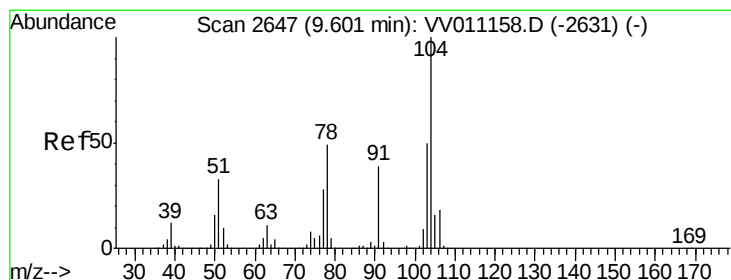
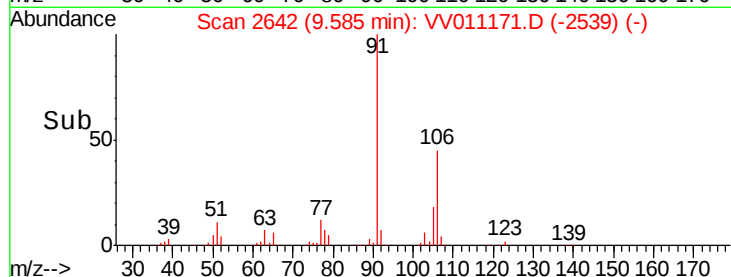
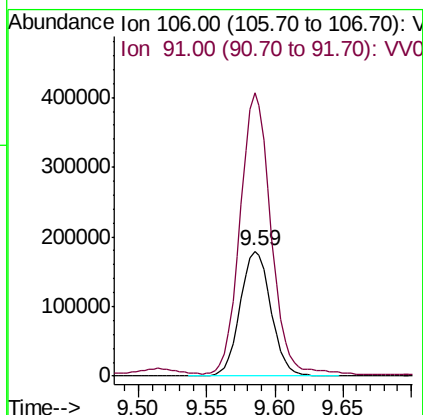
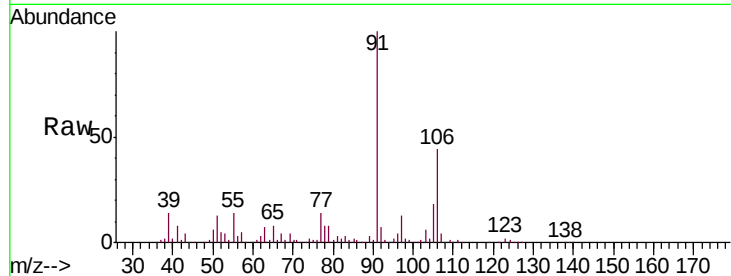




#55
o-xylene
Concen: 30.138 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

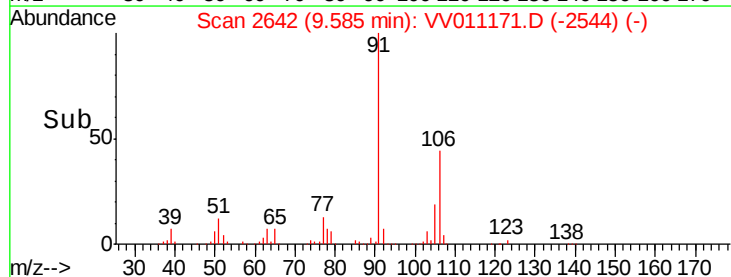
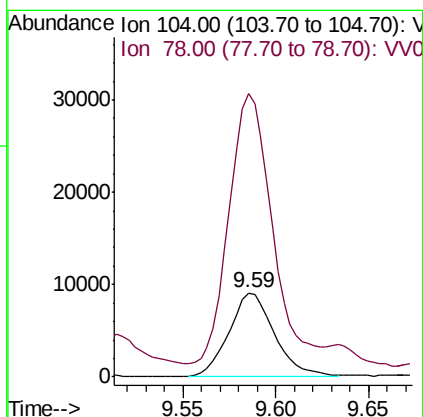
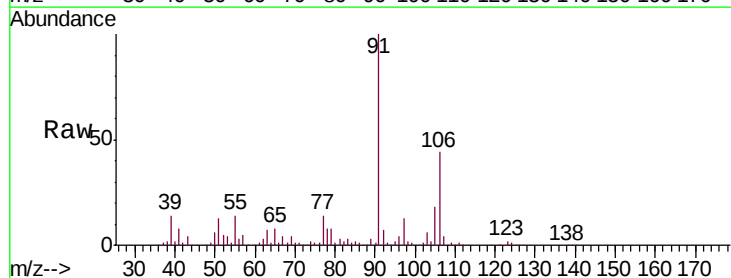
Instrument :
MSVOA_V
ClientSampled :
GALD4

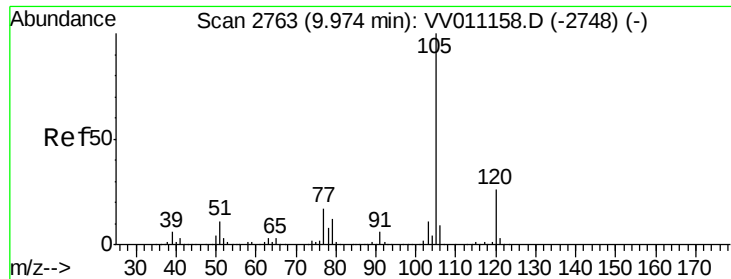
Tgt Ion:106 Resp: 281616
Ion Ratio Lower Upper
106 100
91 226.4 156.4 290.6



#56
Styrene
Concen: 1.000 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.02 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

Tgt Ion:104 Resp: 15700
Ion Ratio Lower Upper
104 100
78 335.8 32.3 60.1#





#57

Isopropylbenzene

Concen: 25.324 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011171.D

Acq: 31 May 2019 09:26

Instrument :

MSVOA_V

ClientSampleId :

GALD4

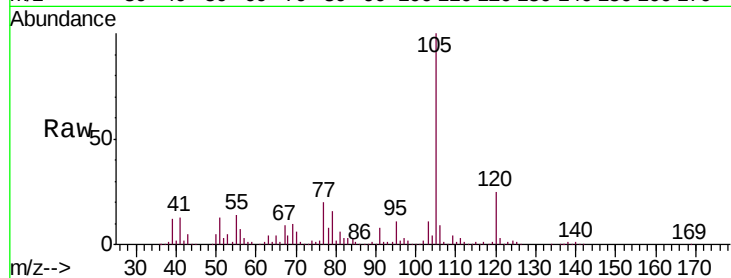
Tgt Ion: 105 Resp: 631850

Ion Ratio Lower Upper

105 100

120 25.6 20.6 31.0

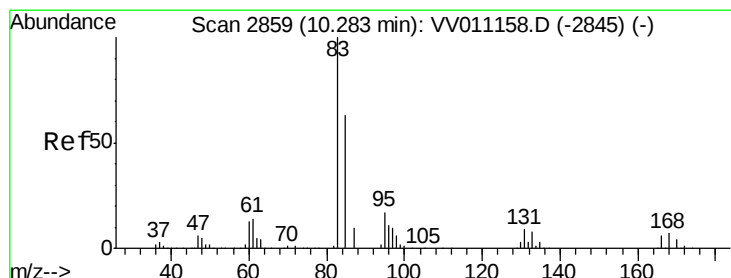
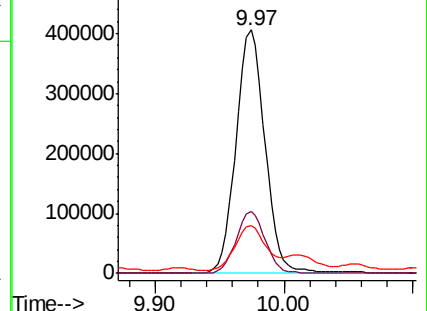
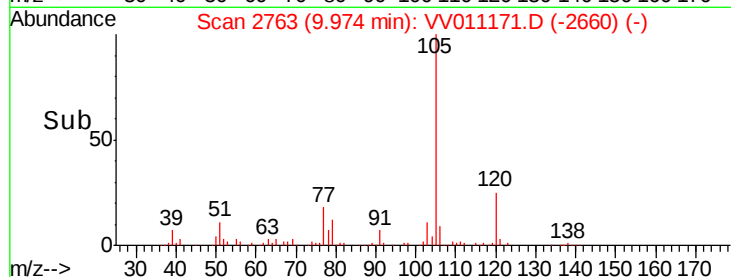
77 19.7 13.3 19.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 31.977 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV011171.D

Acq: 31 May 2019 09:26

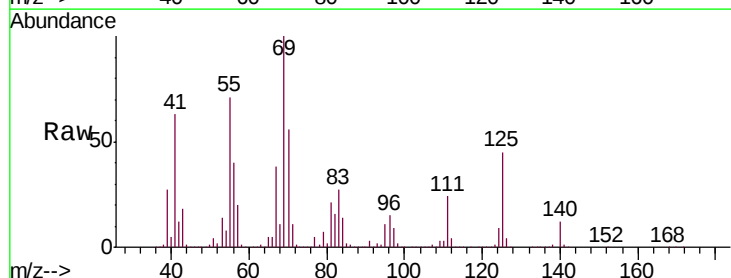
Tgt Ion: 83 Resp: 181700

Ion Ratio Lower Upper

83 100

85 7.8 44.4 82.4#

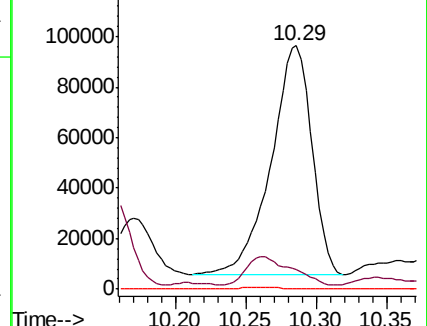
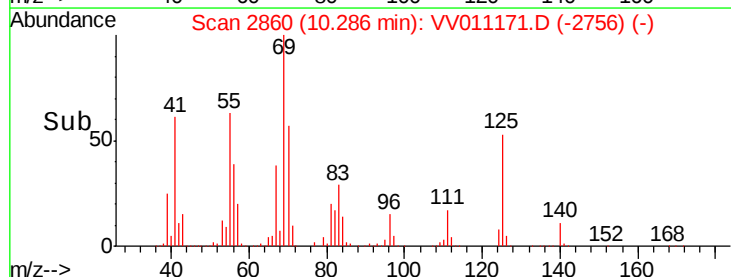
131 0.0 7.5 11.3#

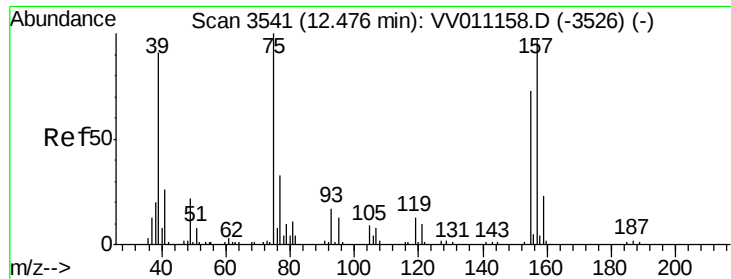


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

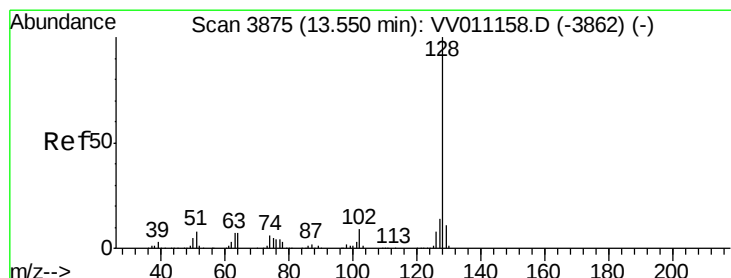
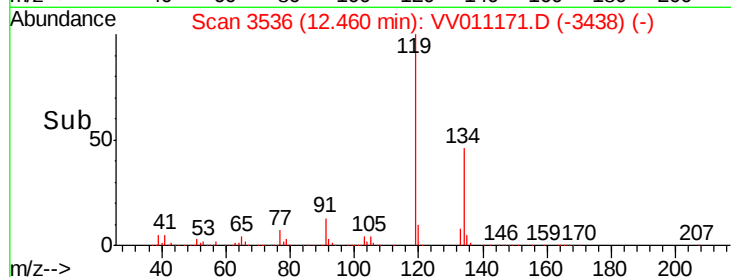
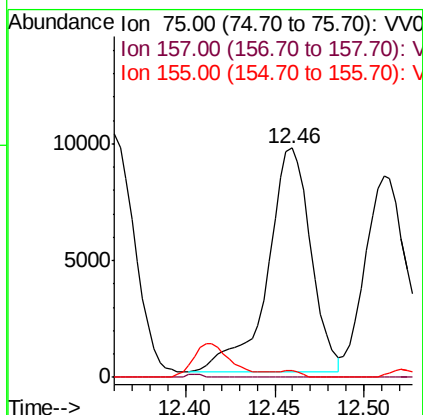
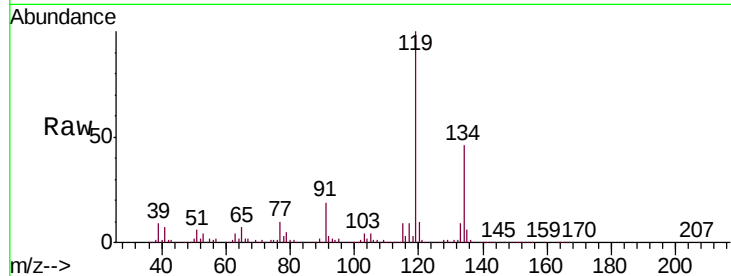




#66
 1,2-Dibromo-3-chloropropane
 Concen: 18.250 ug/L
 RT: 12.46 min Scan# 3536
 Delta R.T. -0.02 min
 Lab File: VV011171.D
 Acq: 31 May 2019 09:26

Instrument :
 MSVOA_V
 ClientSampleId :
 GALD4

Tgt Ion: 75 Resp: 16163
 Ion Ratio Lower Upper
 75 100
 157 0.0 79.6 119.4#
 155 3.0 62.4 93.6#



#69
 Naphthalene
 Concen: 270.375 ug/L
 RT: 13.55 min Scan# 3875
 Delta R.T. -0.00 min
 Lab File: VV011171.D
 Acq: 31 May 2019 09:26

Tgt Ion: 128 Resp: 3214356
 Ion Ratio Lower Upper
 128 100
 129 11.6 8.6 13.0
 127 13.6 10.6 16.0

