

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

Manual Integrations
APPROVED

MMDadoda
6/3/2019 5:32:28 AM

Quant Time: May 31 23:35:21 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-	10.26	84	180430m	33.44	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	133.76%#
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
21) 2-Butanone	4.03	43	7305m	3.365 ug/L	
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
44) Toluene	7.43	91	54419	2.445 ug/L	97
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
57) Isopropylbenzene	9.97	105	631850	25.324 ug/L	97

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

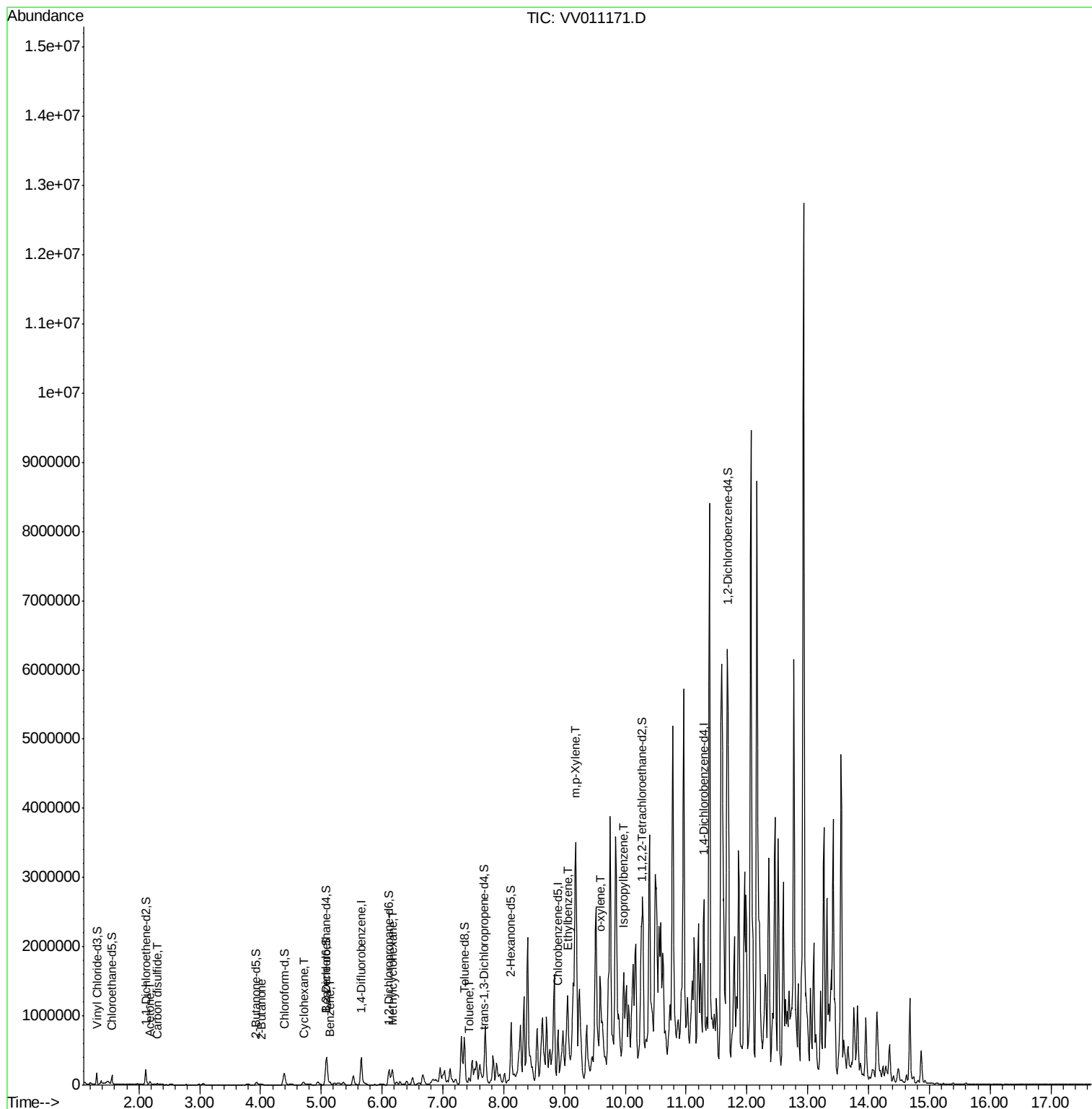
Data File : VV011171.D
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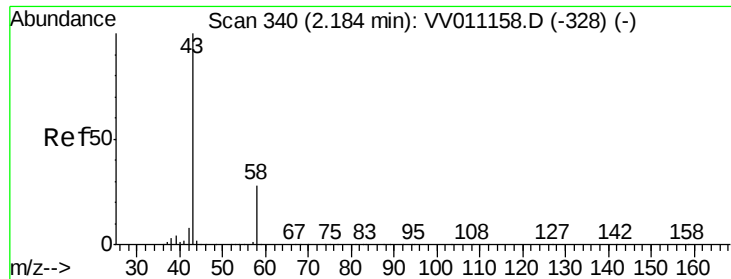
Instrument :
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QLast Update : Fri May 31 23:16:38 2019
Response via : Initial Calibration





#13

Acetone

Concen: 18.240 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV011171.D

Acq: 31 May 2019 09:26

Instrument :

MSVOA_V

ClientSampled :

GALD4

Tgt Ion: 43 Resp: 33747

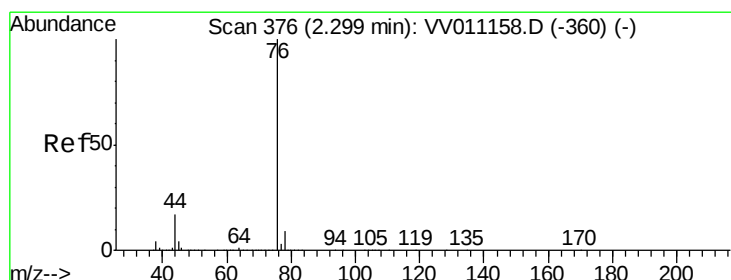
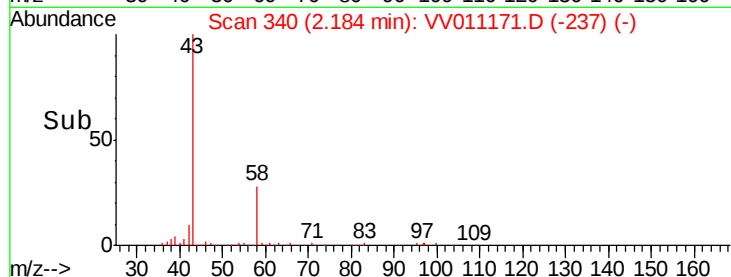
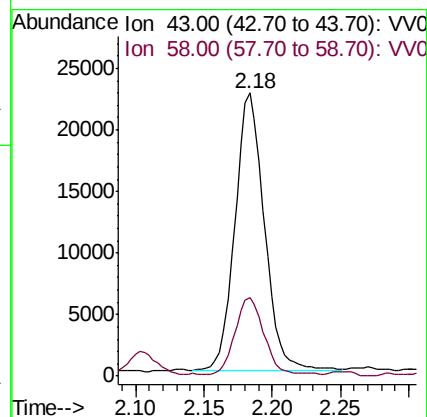
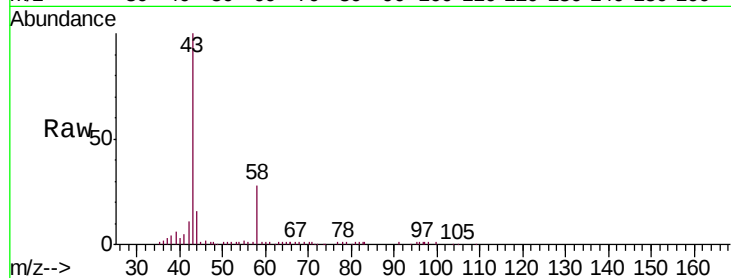
Ion Ratio Lower Upper

43 100

58 27.3 0.0 53.8

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#14

Carbon disulfide

Concen: 0.630 ug/L

RT: 2.30 min Scan# 377

Delta R.T. 0.00 min

Lab File: VV011171.D

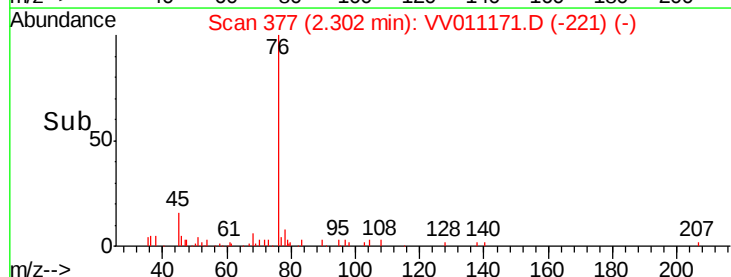
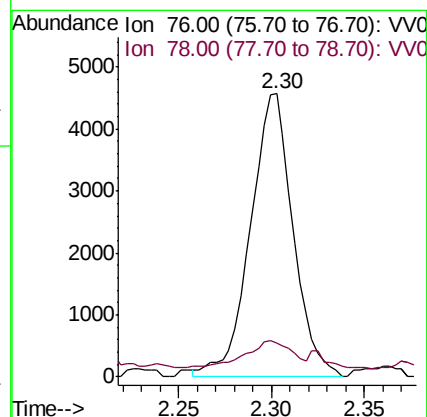
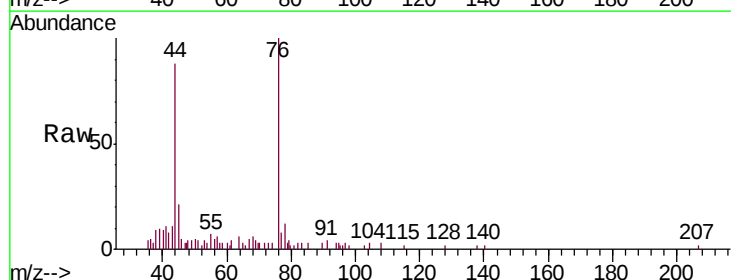
Acq: 31 May 2019 09:26

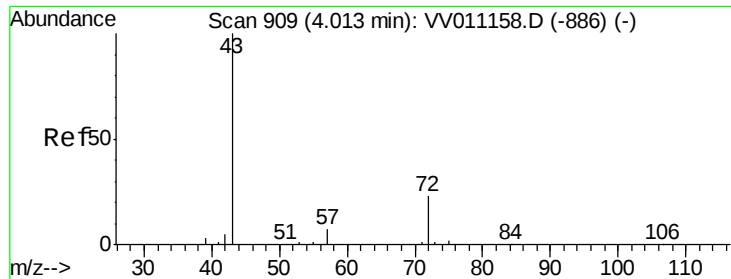
Tgt Ion: 76 Resp: 7312

Ion Ratio Lower Upper

76 100

78 15.5 7.2 10.8#





#21

2-Butanone

Concen: 3.365 ug/L m

RT: 4.03 min Scan# 915

Delta R.T. 0.02 min

Lab File: VV011171.D

Acq: 31 May 2019 09:26

Instrument :

MSVOA_V

ClientSampleId :

GALD4

Tgt Ion: 43 Resp: 7305

Ion Ratio Lower Upper

43 100

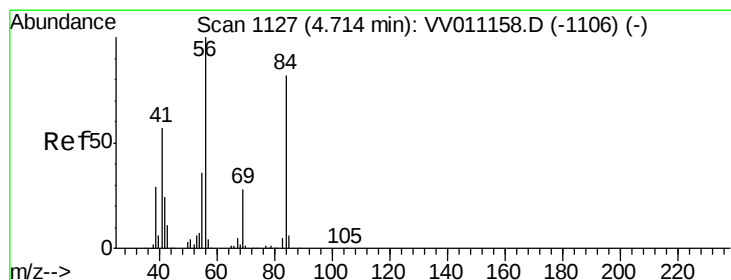
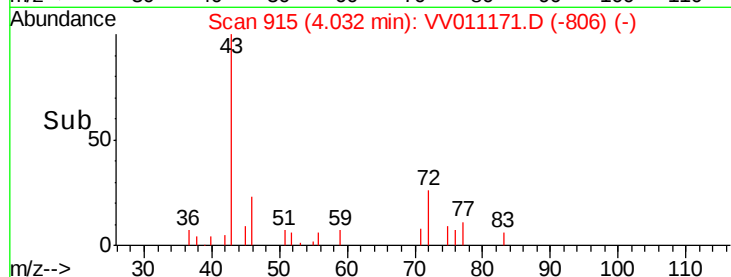
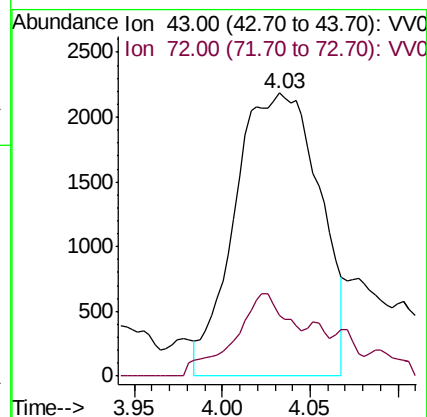
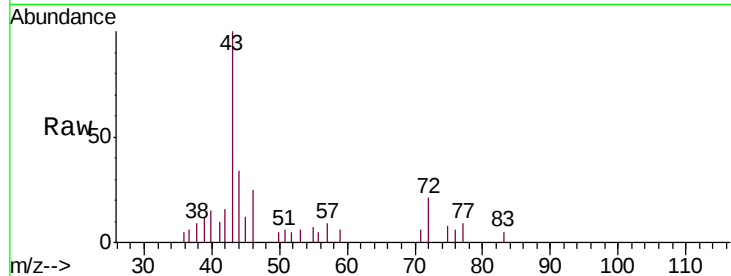
72 0.6 11.1 33.3#

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#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

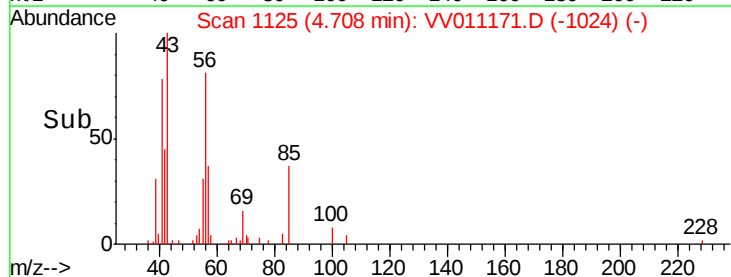
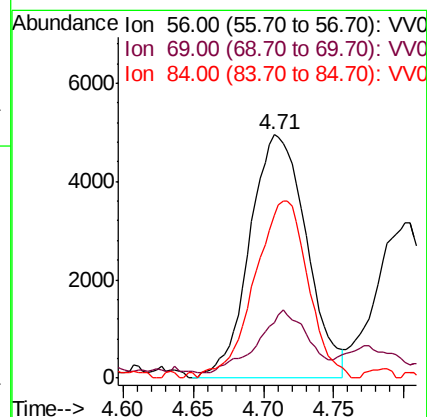
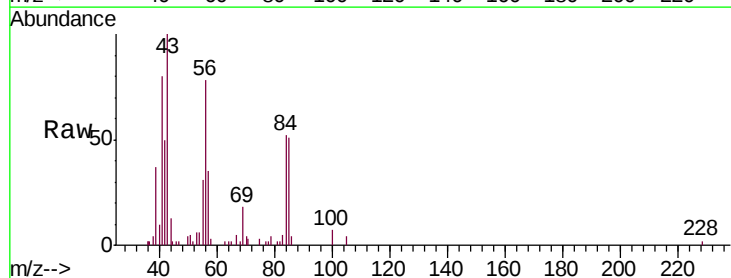
Tgt Ion: 56 Resp: 13917

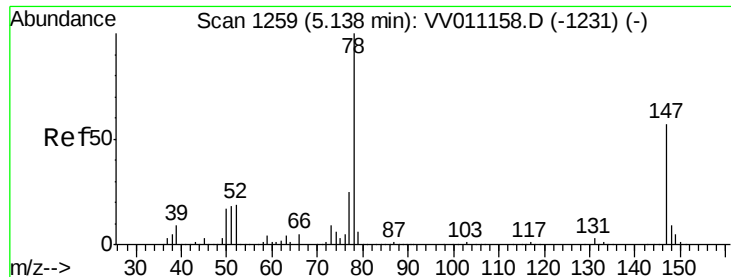
Ion Ratio Lower Upper

56 100

69 26.2 23.4 35.0

84 68.5 65.8 98.8





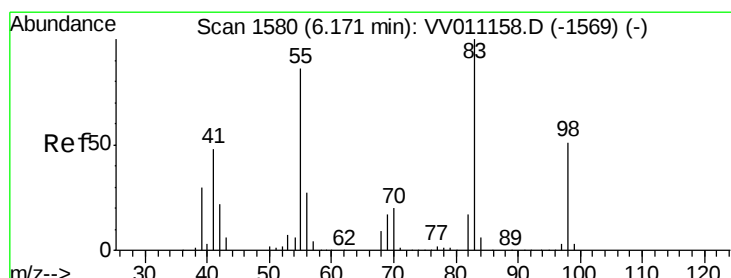
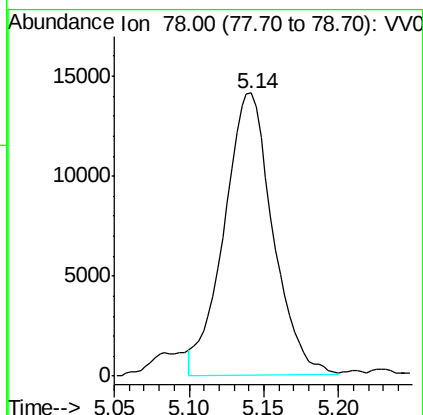
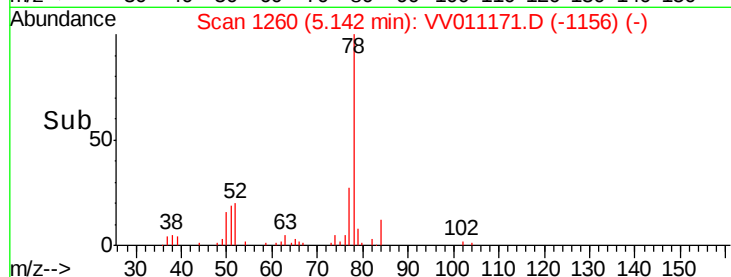
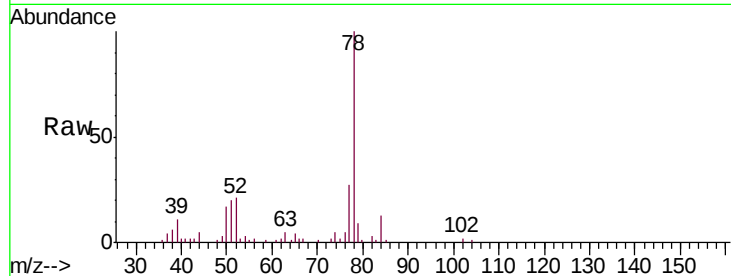
#34
Benzene
Concen: 1.572 ug/L
RT: 5.14 min Scan# 1260
Delta R.T. 0.00 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

Instrument :
MSVOA_V
ClientSampleId :
GALD4

Tgt Ion: 78 Resp: 32069

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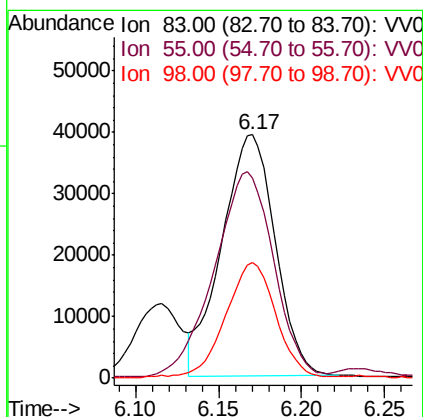
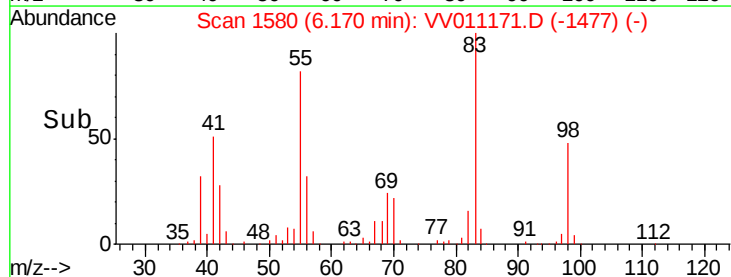
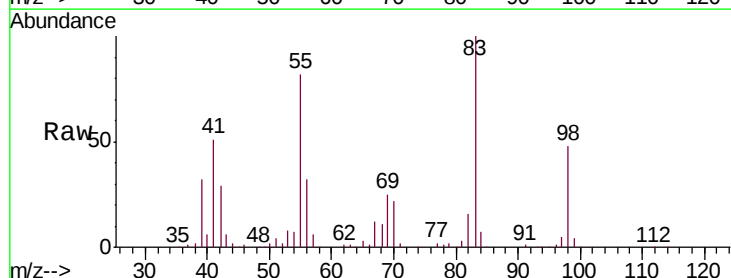
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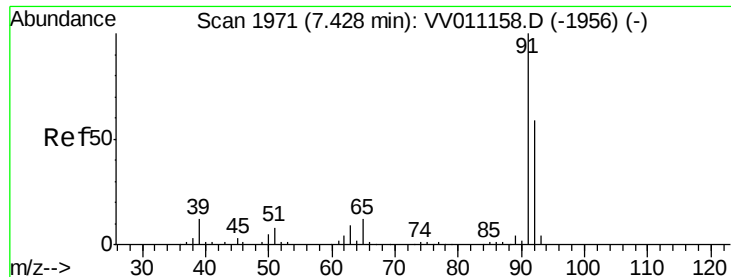


#36
Methylcyclohexane
Concen: 9.750 ug/L
RT: 6.17 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

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





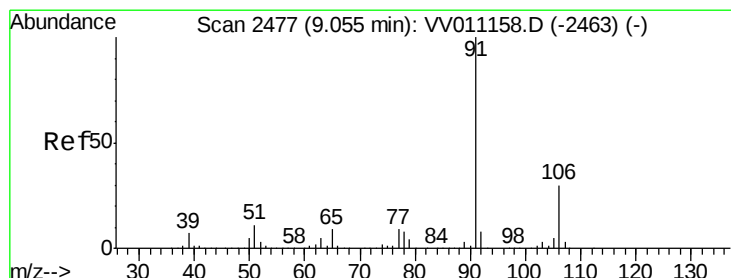
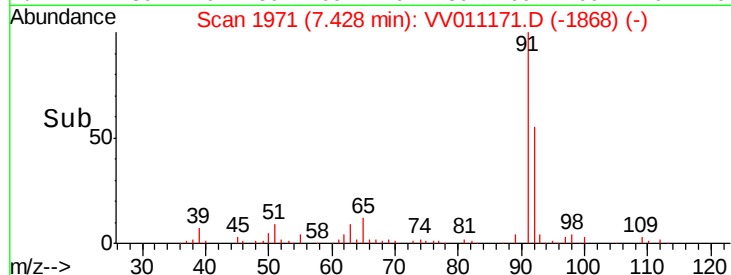
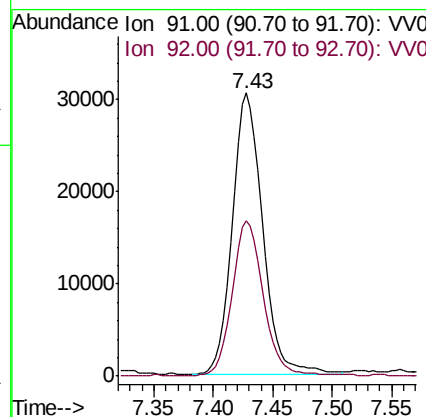
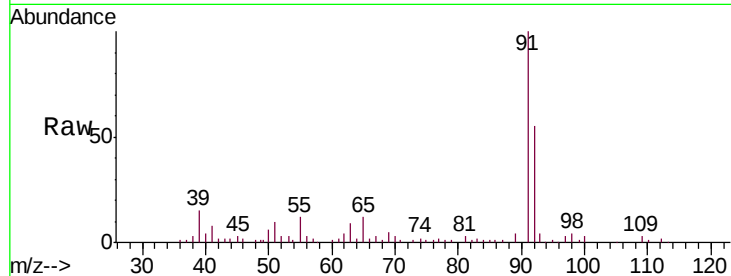
#44
Toluene
Concen: 2.445 ug/L
RT: 7.43 min Scan# 1971
Delta R.T. -0.00 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

Instrument :
MSVOA_V
ClientSampleId :
GALD4

Tgt Ion: 91 Resp: 54419
Ion Ratio Lower Upper
91 100
92 54.8 39.9 74.1

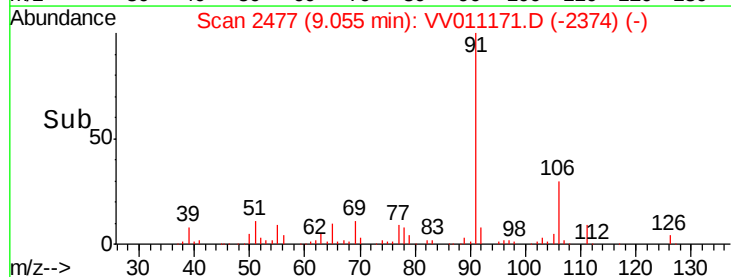
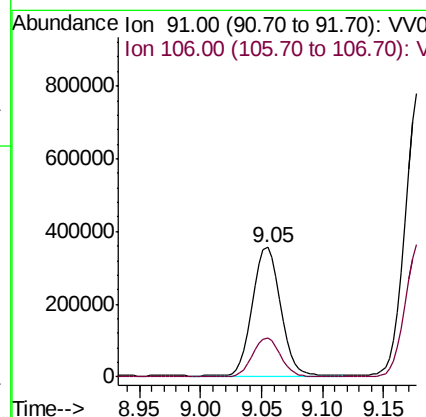
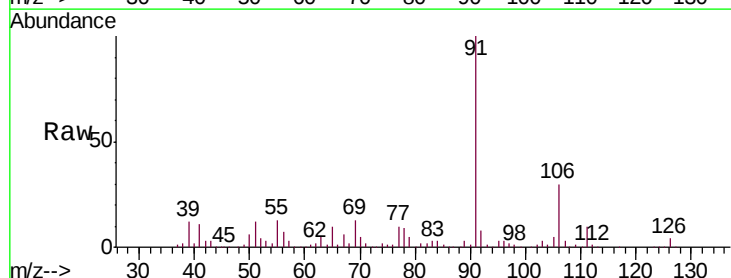
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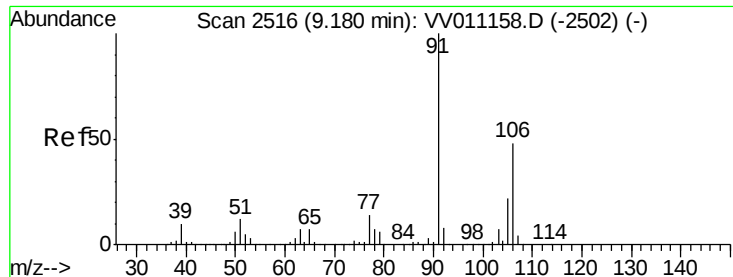
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#53
Ethylbenzene
Concen: 22.087 ug/L
RT: 9.05 min Scan# 2477
Delta R.T. -0.00 min
Lab File: VV011171.D
Acq: 31 May 2019 09:26

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

Instrument :

MSVOA_V

ClientSampled :

GALD4

Tgt Ion:106 Resp: 604000

Ion Ratio Lower Upper

106 100

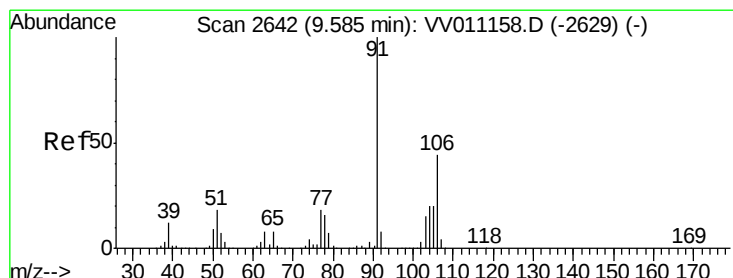
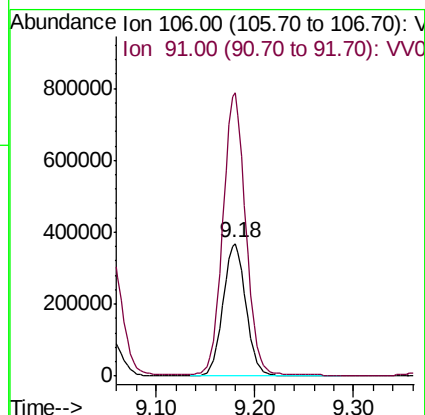
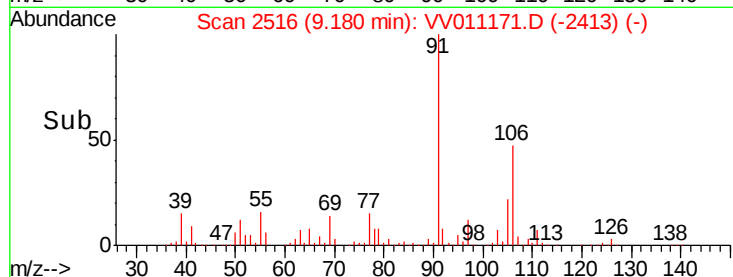
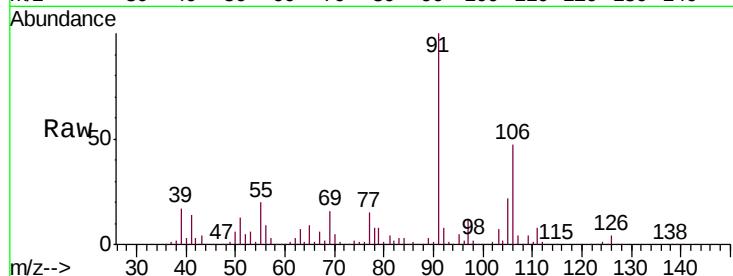
91 213.4 145.3 269.9

Manual Integrations

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6/3/2019 5:32:28 AM



#55

o-xylene

Concen: 30.138 ug/L

RT: 9.59 min Scan# 2642

Delta R.T. -0.00 min

Lab File: VV011171.D

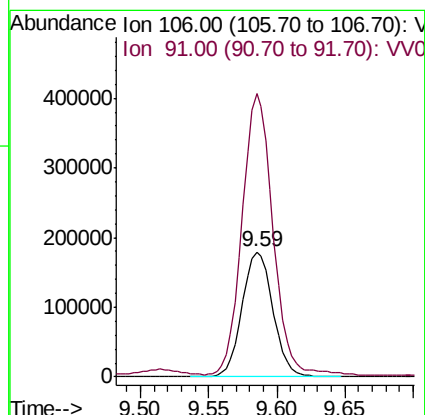
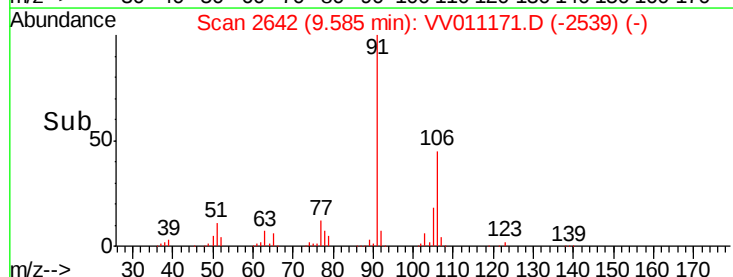
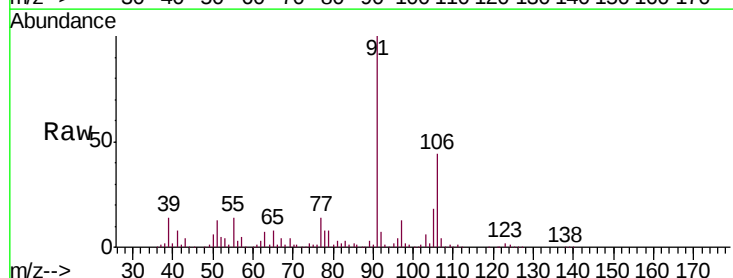
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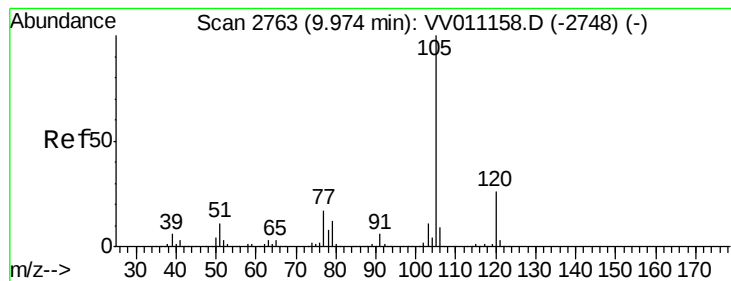
Tgt Ion:106 Resp: 281616

Ion Ratio Lower Upper

106 100

91 226.4 156.4 290.6





#57

Isopropylbenzene

Concen: 25.324 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV011171.D

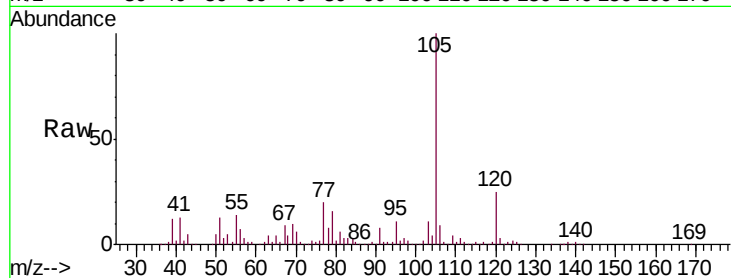
Acq: 31 May 2019 09:26

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

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