

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV050719\
 Data File : VV010737.D
 Acq On : 08 May 2019 20:44
 Operator : SY/MD
 Sample : K2690-15
 Misc : 5.65G/10ML/MSVOA V/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 A5161

Manual Integrations
 APPROVED

MMDadoda
 5/13/2019 3:46:24 AM

Quant Time: May 09 04:09:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
 Quant Title : VOC Analysis
 QLast Update : Thu May 09 02:55:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	81967	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	81936	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	32528	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	21451	16.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	67.40%
7) Chloroethane-d5	1.57	69	22391	21.37	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.48%
10) 1,1-Dichloroethene-d2	2.13	63	37143	13.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	53.80%
20) 2-Butanone-d5	3.93	46	20309	53.15	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.30%
24) Chloroform-d	4.40	84	50763	22.72	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.88%
26) 1,2-Dichloroethane-d4	5.08	65	34813	24.94	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	99.76%
29) Benzene-d6	5.10	84	96379	22.35	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.40%
33) 1,2-Dichloropropane-d6	6.12	67	33537	24.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	97.60%
37) Toluene-d8	7.36	98	85450	20.69	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	82.76%
38) trans-1,3-Dichloropropene-	7.66	79	10713	17.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	68.40%
39) 2-Hexanone-d5	8.13	63	14143	49.18	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	98.36%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	32836	25.42	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	101.68%
61) 1,2-Dichlorobenzene-d4	11.67	152	30486	24.20	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	96.80%

Target Compounds

					Ovalue
6) Bromomethane	1.52	94	1498	1.926	ug/L 100
13) Acetone	2.19	43	20829	35.211	ug/L 98
15) Methyl Acetate	2.47	43	1601	2.266	ug/L 92
16) Methylene chloride	2.54	84	2138	1.687	ug/L 89
21) 2-Butanone	4.03	43	3001m	5.353	ug/L
35) Trichloroethene	5.96	95	14841	11.015	ug/L 96
47) Tetrachloroethene	8.02	164	9212	9.441	ug/L 96

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

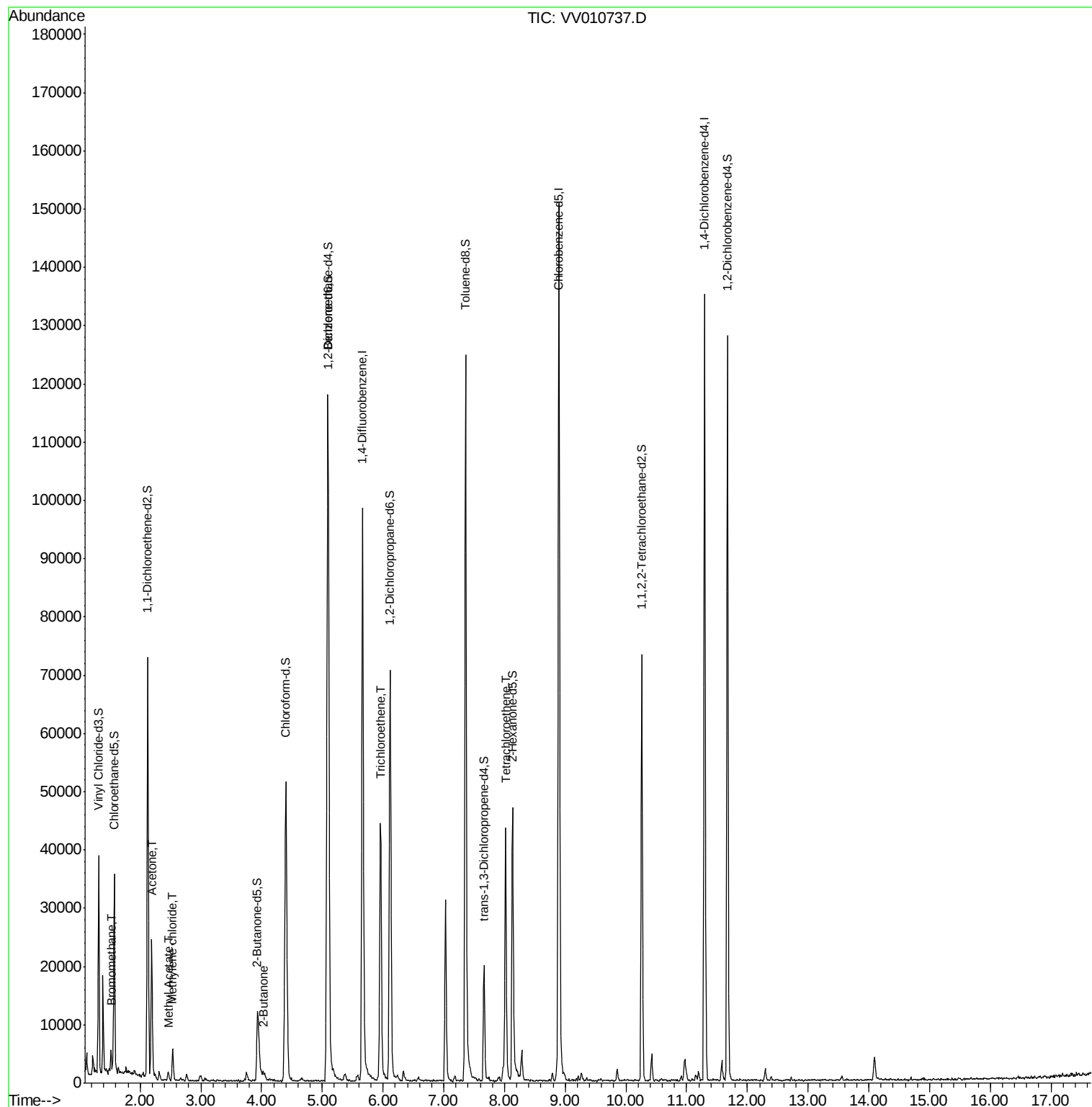
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV050719\
Data File : VV010737.D
Acq On : 08 May 2019 20:44
Operator : SY/MD
Sample : K2690-15
Misc : 5.65G/10ML/MSVOA V/SOIL
ALS Vial : 1 Sample Multiplier: 1

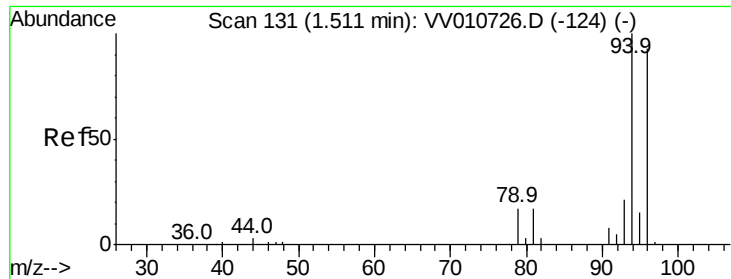
Instrument :
MSVOA_V
ClientSampleId :
A5161

Manual Integrations
APPROVED

MMDadoda
5/13/2019 3:46:24 AM

Quant Time: May 09 04:09:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 02:55:09 2019
Response via : Initial Calibration





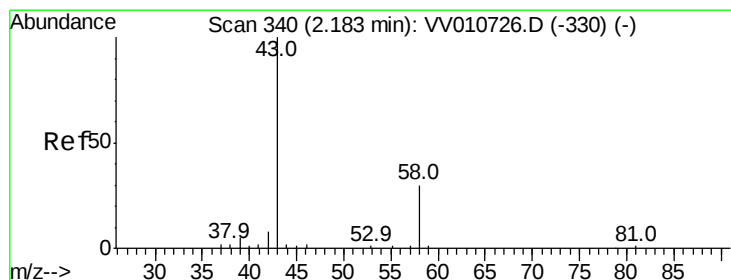
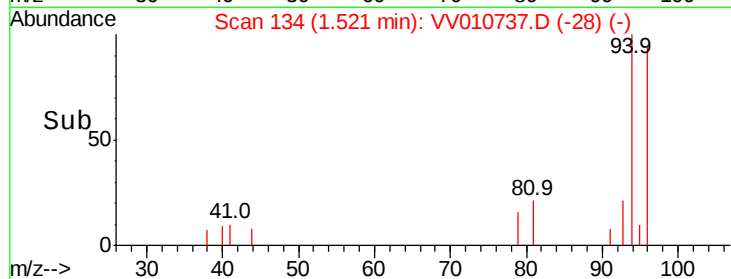
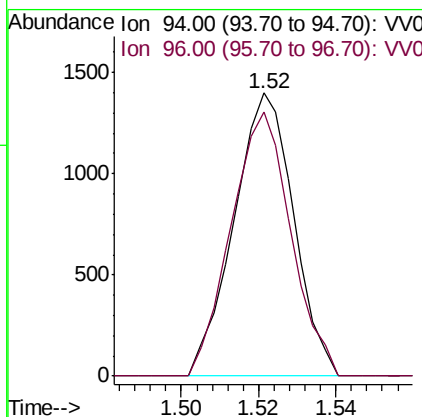
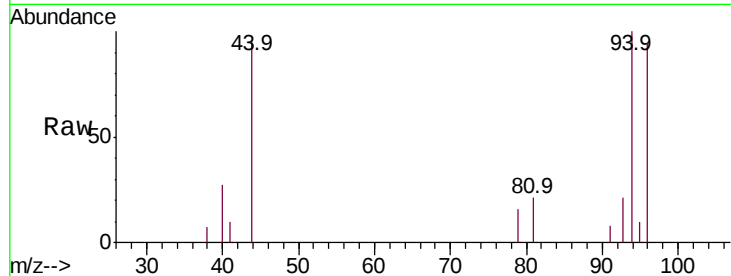
#6
Bromomethane
Concen: 1.926 ug/L
RT: 1.52 min Scan# 134
Delta R.T. 0.01 min
Lab File: VV010737.D
Acq: 08 May 2019 20:44

Instrument :
MSVOA_V
ClientSampled :
A5161

Tot Ion: 94 Resp: 1498
Ion Ratio Lower Upper
94 100
96 93.7 9.4 179.0

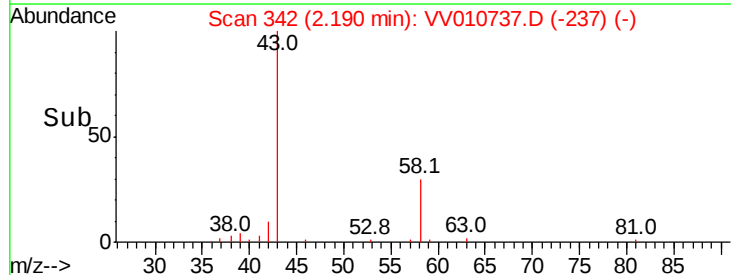
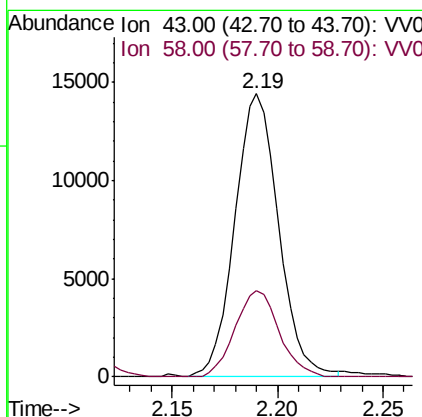
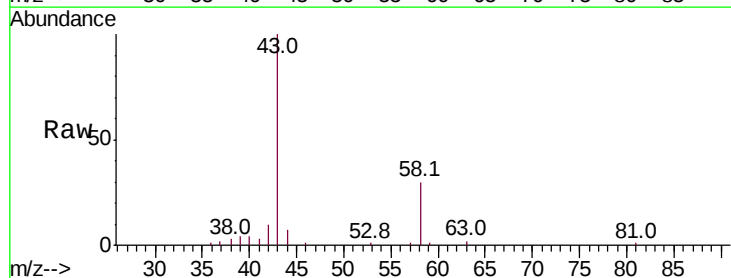
Manual Integrations
APPROVED

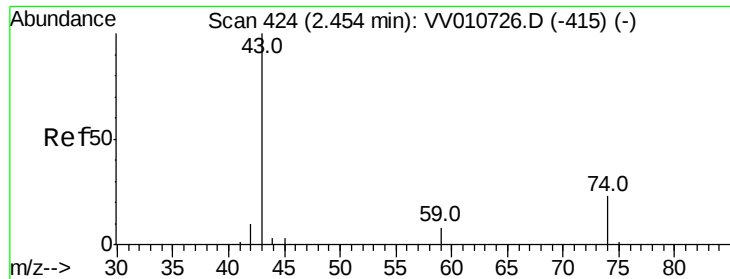
MMDadoda
5/13/2019 3:46:24 AM



#13
Acetone
Concen: 35.211 ug/L
RT: 2.19 min Scan# 342
Delta R.T. 0.01 min
Lab File: VV010737.D
Acq: 08 May 2019 20:44

Tgt Ion: 43 Resp: 20829
Ion Ratio Lower Upper
43 100
58 30.7 0.0 63.4





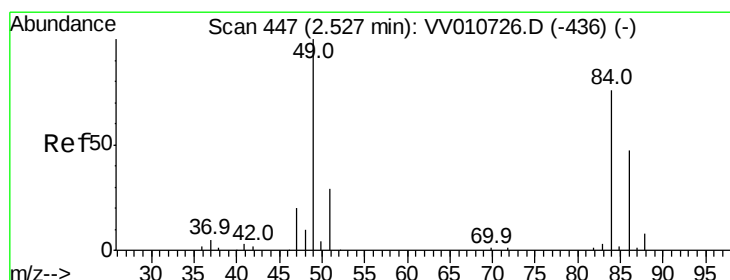
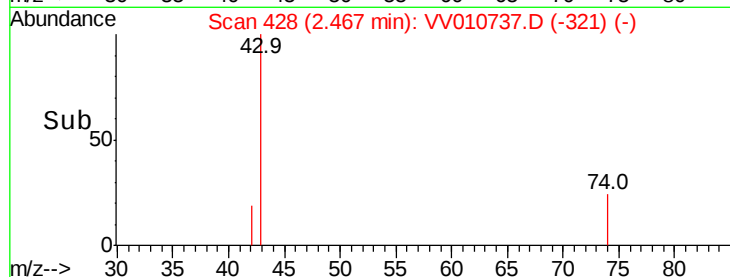
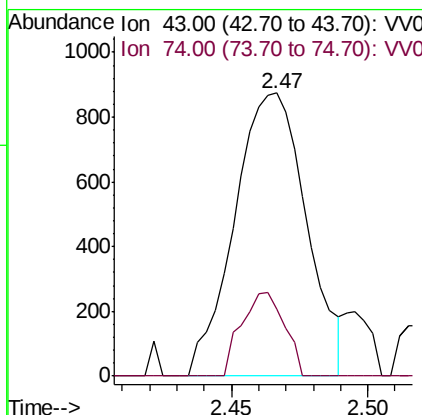
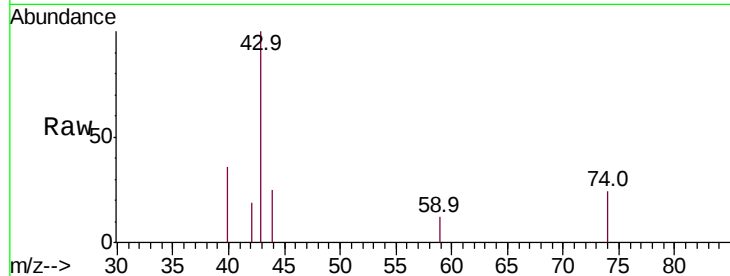
#15
Methvl Acetate
Concen: 2.266 ug/L
RT: 2.47 min Scan# 428
Delta R.T. 0.01 min
Lab File: VV010737.D
Acq: 08 May 2019 20:44

Instrument :
MSVOA_V
ClientSampleId :
A5161

Tot Ion: 43 Resp: 1601
Ion Ratio Lower Upper
43 100
74 17.6 17.0 25.4

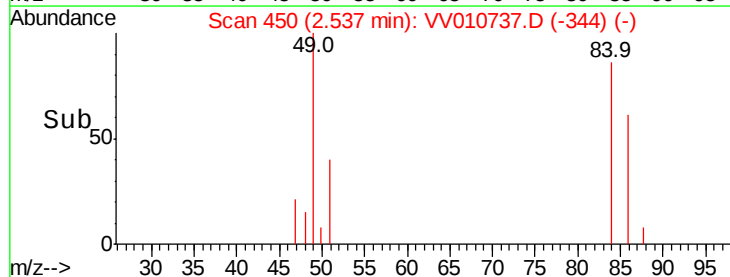
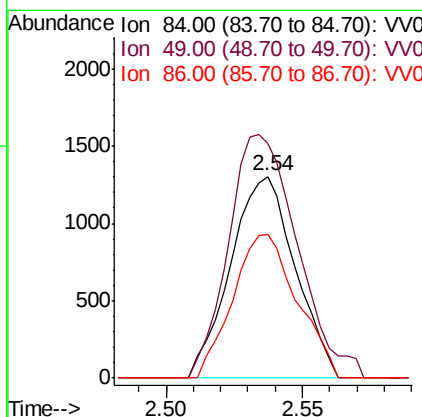
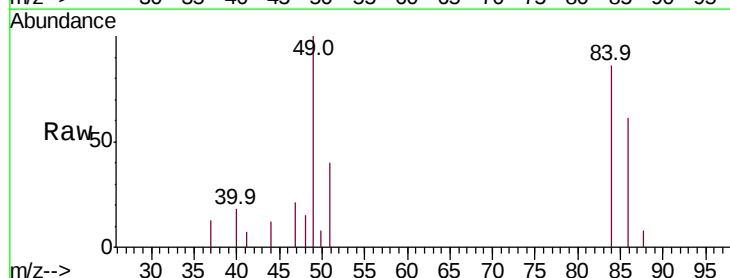
Manual Integrations
APPROVED

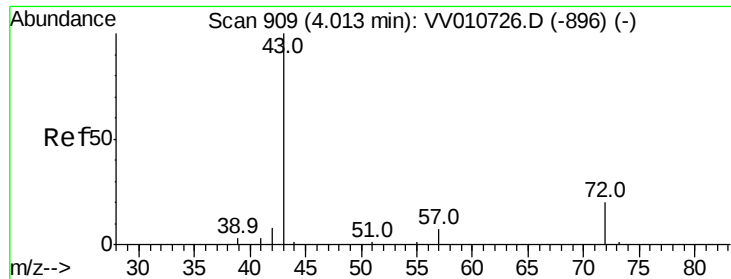
MMDadoda
5/13/2019 3:46:24 AM



#16
Methylene chloride
Concen: 1.687 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.01 min
Lab File: VV010737.D
Acq: 08 May 2019 20:44

Tgt Ion: 84 Resp: 2138
Ion Ratio Lower Upper
84 100
49 116.5 92.9 172.5
86 71.1 46.5 86.5





#21

2-Butanone

Concen: 5.353 ug/L m

RT: 4.03 min Scan# 914

Delta R.T. 0.02 min

Lab File: VV010737.D

Acq: 08 May 2019 20:44

Instrument :

MSVOA_V

ClientSampled :

A5161

Tot Ion: 43 Resp: 3001

Ion Ratio Lower Upper

43 100

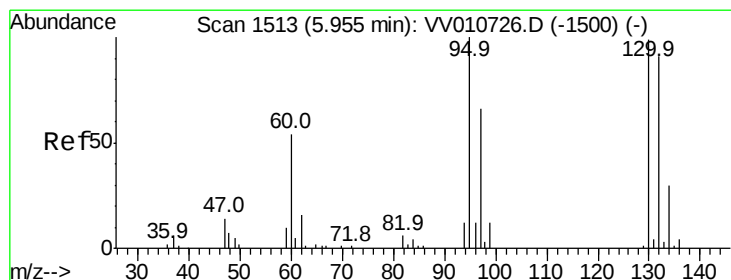
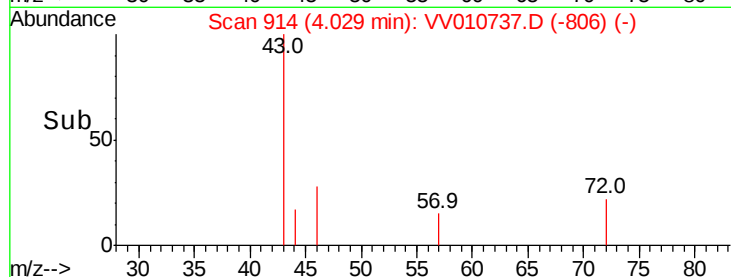
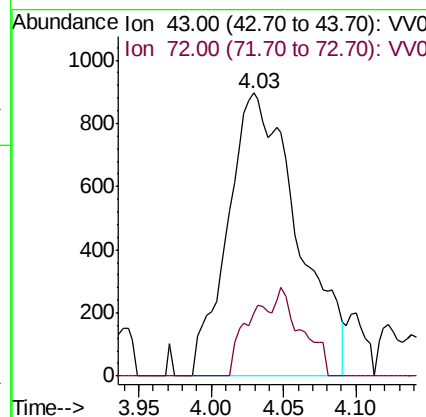
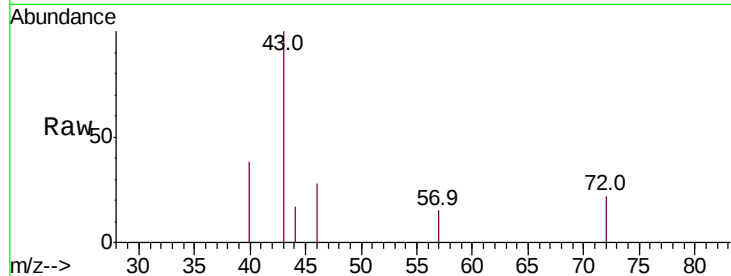
72 4.6 11.2 33.6#

Manual Integrations

APPROVED

MMDadoda

5/13/2019 3:46:24 AM



#35

Trichloroethene

Concen: 11.015 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010737.D

Acq: 08 May 2019 20:44

Tgt Ion: 95 Resp: 14841

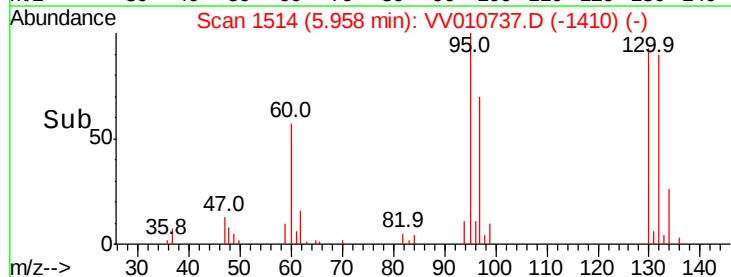
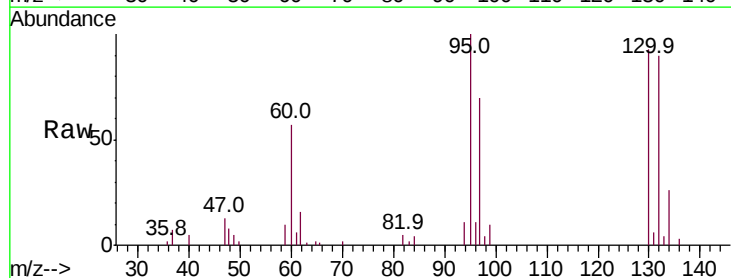
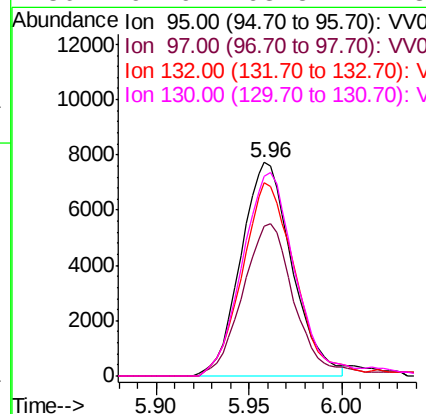
Ion Ratio Lower Upper

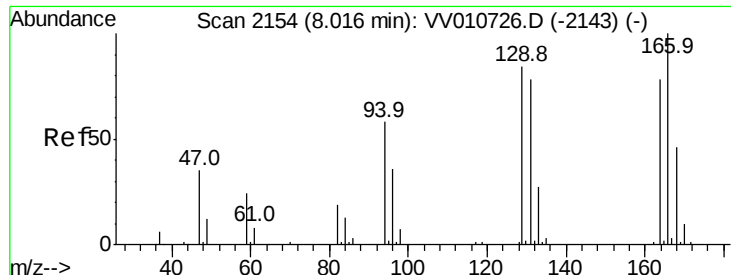
95 100

97 72.0 44.3 82.3

132 93.1 62.4 115.8

130 97.9 68.5 127.3





#47

Tetrachloroethene

Concen: 9.441 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV010737.D

Acq: 08 May 2019 20:44

Instrument :

MSVOA_V

ClientSampleId :

A5161

Tot Ion:164 Resp: 9212

Ion Ratio Lower Upper

164 100

129 96.7 69.3 128.7

131 99.8 67.3 125.1

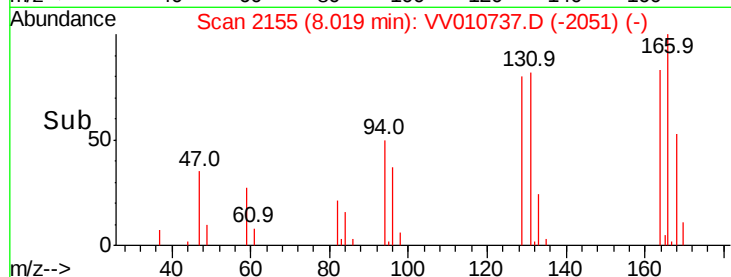
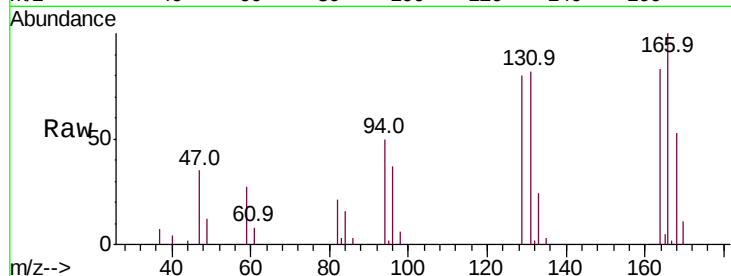
166 121.0 81.1 150.7

Manual Integrations

APPROVED

MMDadoda

5/13/2019 3:46:24 AM



Abundance Ion 164.00 (163.70 to 164.70): V

10000 Ion 129.00 (128.70 to 129.70): V

8000 Ion 131.00 (130.70 to 131.70): V

6000 Ion 166.00 (165.70 to 166.70): V

