

Data File : VV009953.D
Acq On : 28 Mar 2019 03:24
Operator : SY/MD
Sample : K2101-16
Misc : 4.81G/10mL/MSVOA_V/SOIL
ALS Vial : 34 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BF0E7

Quant Time: Mar 28 08:32:33 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM032619S.M
Quant Title : VOC Analysis
QLast Update : Thu Mar 28 07:17:22 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	186953	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	172113	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	64876	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	86176	22.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.88%
7) Chloroethane-d5	1.57	69	97622	23.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.28%
10) 1,1-Dichloroethene-d2	2.12	63	79781	7.69	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	30.76%#
20) 2-Butanone-d5	3.93	46	22431	31.73	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	63.46%
24) Chloroform-d	4.39	84	97161	20.40	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	81.60%
26) 1,2-Dichloroethane-d4	5.08	65	65406	22.82	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	91.28%
29) Benzene-d6	5.09	84	244081	27.00	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	108.00%
33) 1,2-Dichloropropane-d6	6.11	67	72545	27.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	109.72%
37) Toluene-d8	7.36	98	210556	24.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	98.44%
38) trans-1,3-Dichloropropene-	7.66	79	20615	19.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	76.24%
39) 2-Hexanone-d5	8.13	63	14902	30.19	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	60.38%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	47689	18.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	72.84%
61) 1,2-Dichlorobenzene-d4	11.67	152	60154	24.35	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	97.40%

Target Compounds

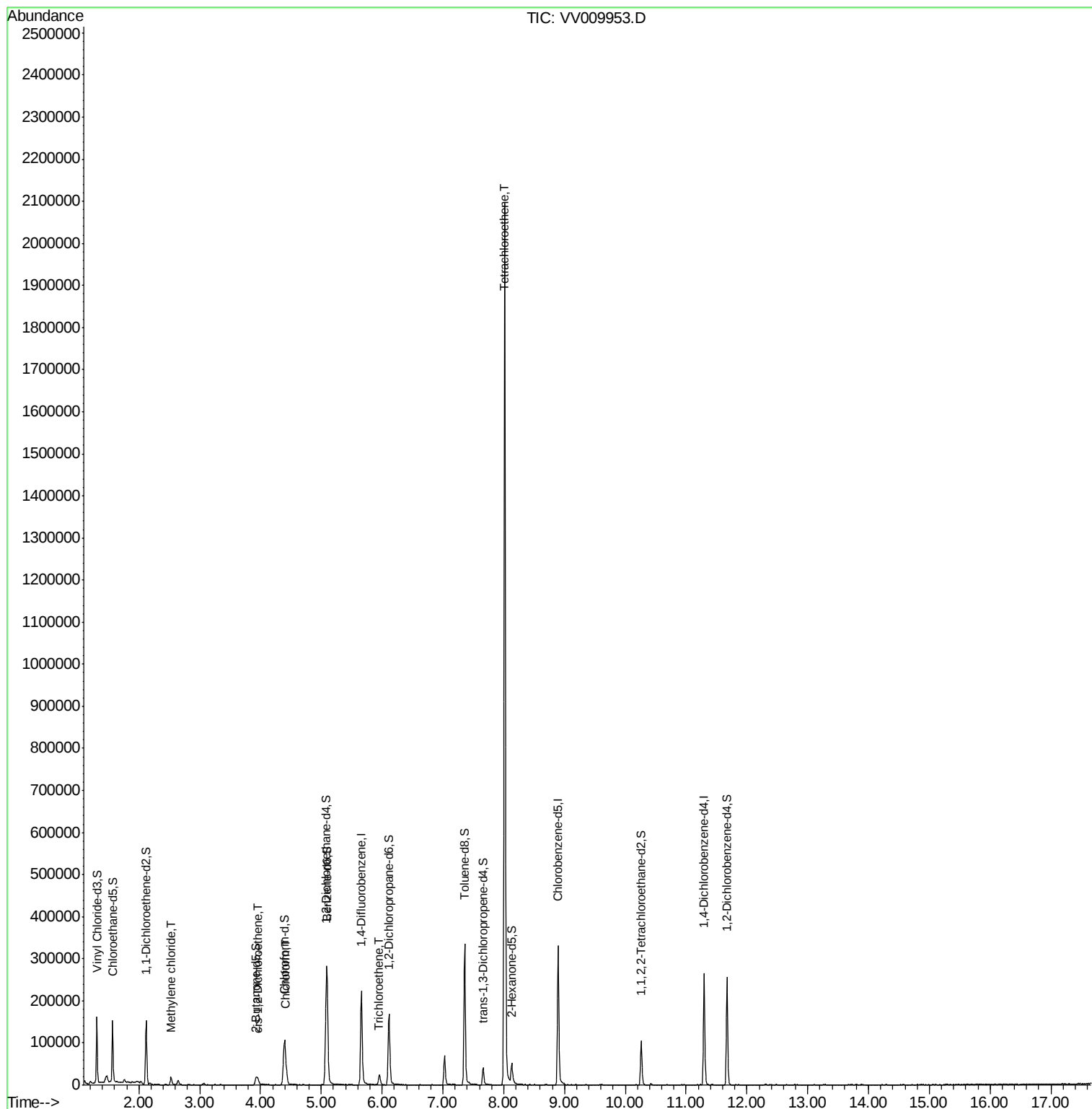
						Qvalue
16) Methylene chloride	2.53	84	7709	2.504	ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	5226	1.932	ug/L	81
25) Chloroform	4.42	83	25880	5.225	ug/L	98
35) Trichloroethene	5.96	95	6782	2.720	ug/L	97
47) Tetrachloroethene	8.02	164	390561	198.530	ug/L	95

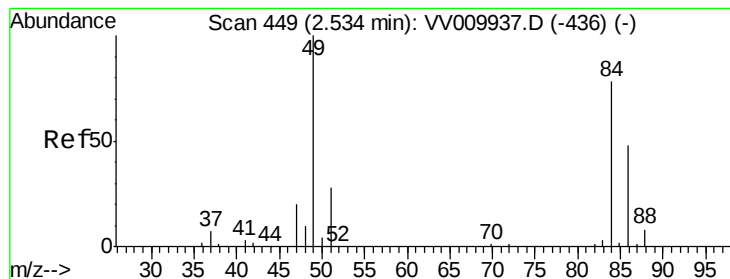
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#16

Methylene chloride

Concen: 2.504 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV009953.D

Acq: 28 Mar 2019 03:24

Instrument :

MSVOA_V

ClientSampleId :

BF0E7

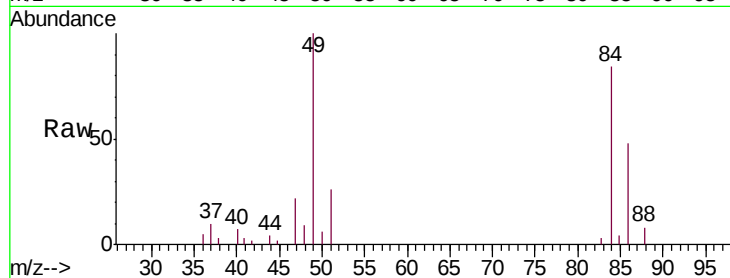
Tgt Ion: 84 Resp: 7709

Ion Ratio Lower Upper

84 100

49 118.6 90.4 167.8

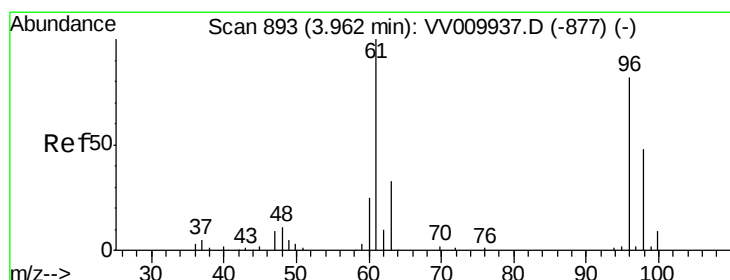
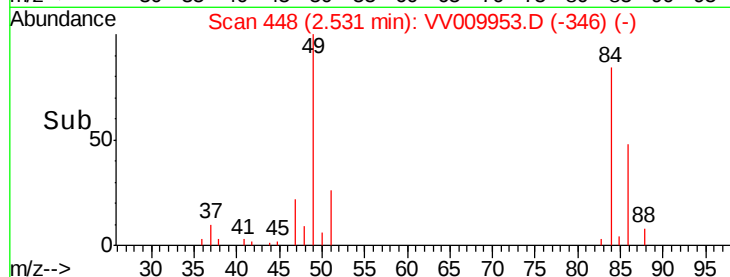
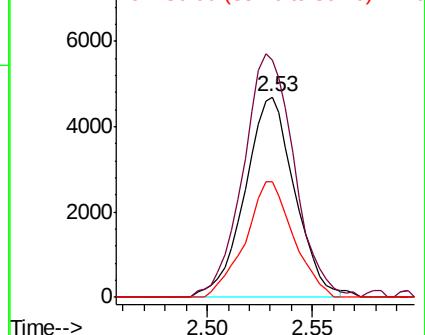
86 57.5 44.0 81.6



Abundance Ion 84.00 (83.70 to 84.70): VV009953.D (-436) (-)

Ion 49.00 (48.70 to 49.70): VV009953.D (-436) (-)

Ion 86.00 (85.70 to 86.70): VV009953.D (-436) (-)



#22

cis-1,2-Dichloroethene

Concen: 1.932 ug/L

RT: 3.96 min Scan# 892

Delta R.T. -0.00 min

Lab File: VV009953.D

Acq: 28 Mar 2019 03:24

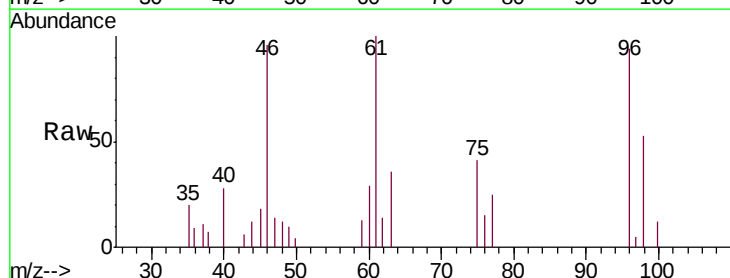
Tgt Ion: 96 Resp: 5226

Ion Ratio Lower Upper

96 100

61 106.6 91.4 169.8

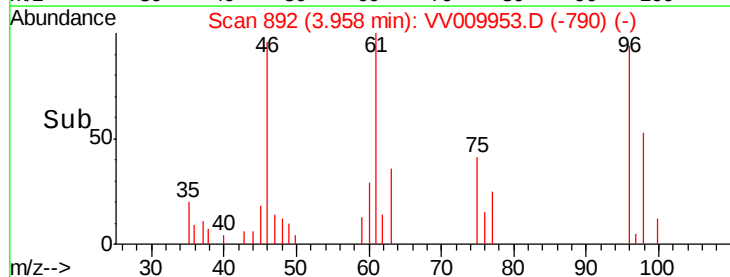
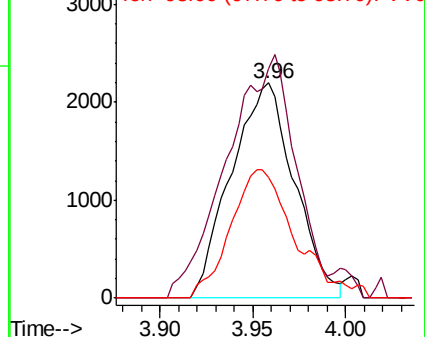
98 56.1 48.0 89.2

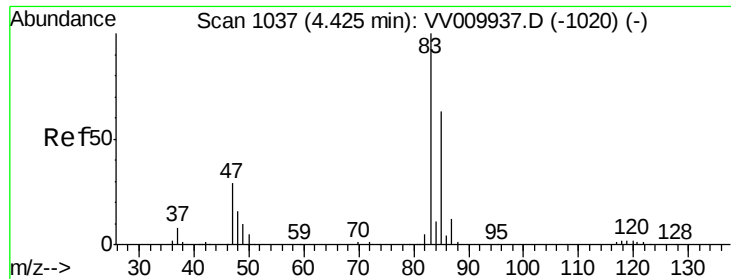


Abundance Ion 96.00 (95.70 to 96.70): VV009953.D (-790) (-)

Ion 61.00 (60.70 to 61.70): VV009953.D (-790) (-)

Ion 98.00 (97.70 to 98.70): VV009953.D (-790) (-)

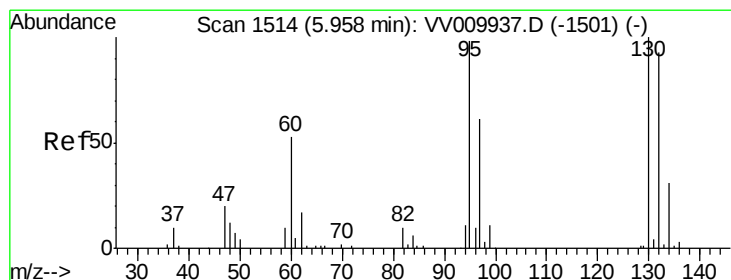
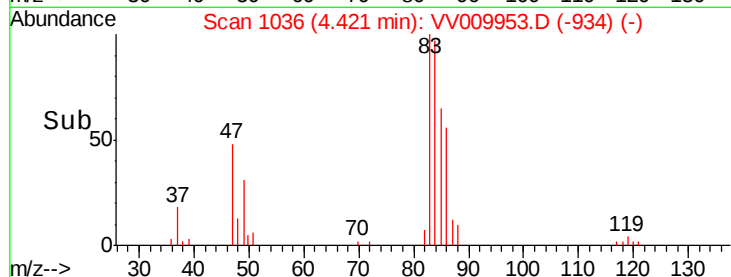
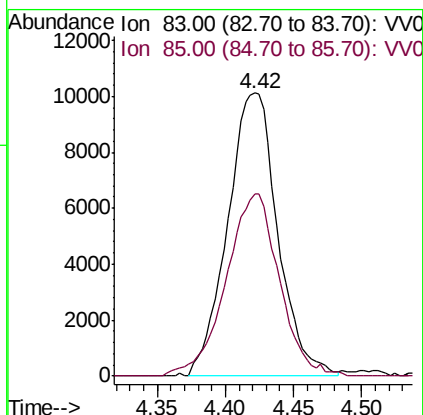
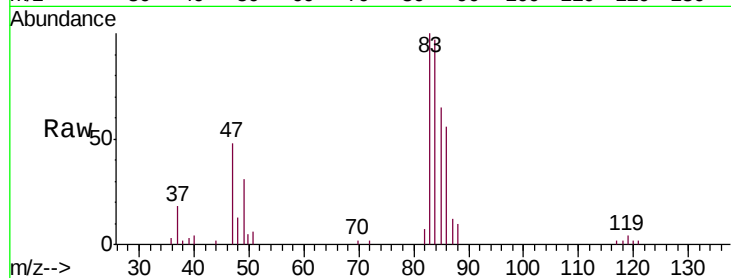




#25
Chloroform
Concen: 5.225 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV009953.D
Acq: 28 Mar 2019 03:24

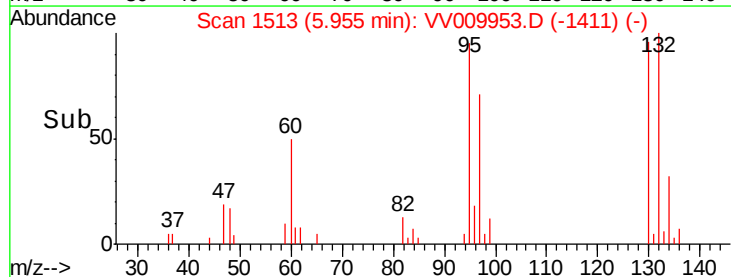
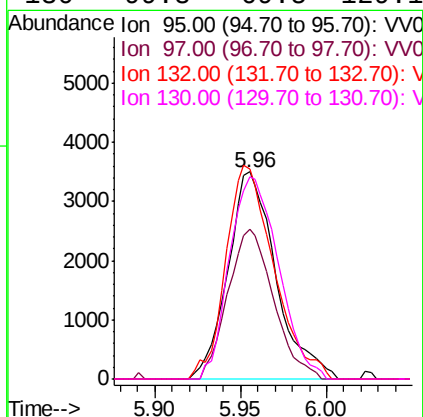
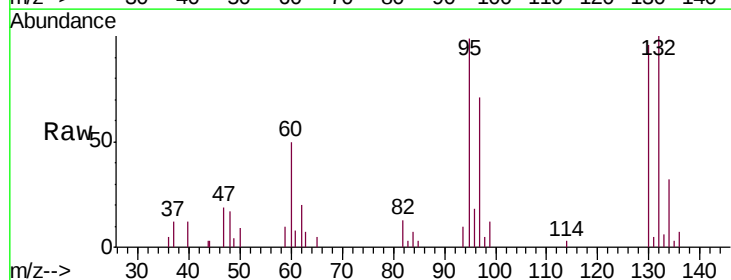
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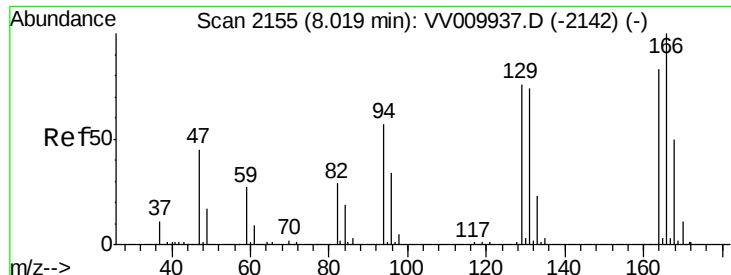
Tgt Ion: 83 Resp: 25880
Ion Ratio Lower Upper
83 100
85 67.4 46.1 85.7



#35
Trichloroethene
Concen: 2.720 ug/L
RT: 5.96 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VV009953.D
Acq: 28 Mar 2019 03:24

Tgt Ion: 95 Resp: 6782
Ion Ratio Lower Upper
95 100
97 68.8 46.3 85.9
132 103.6 69.3 128.7
130 99.8 69.5 129.1





#47

Tetrachloroethene

Concen: 198.530 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. -0.00 min

Lab File: VV009953.D

Acq: 28 Mar 2019 03:24

Instrument :

MSVOA_V

ClientSampleId :

BF0E7

Tgt Ion:164 Resp: 390561

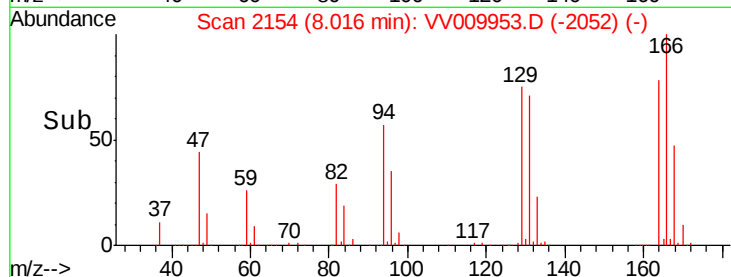
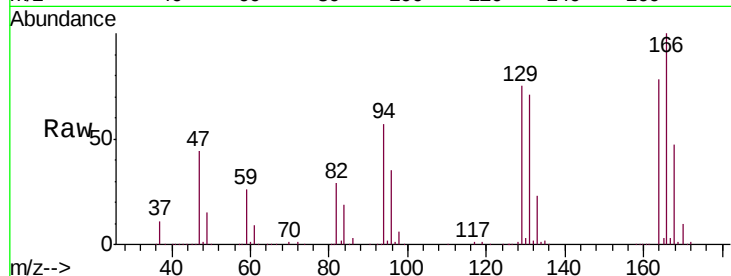
Ion Ratio Lower Upper

164 100

129 95.9 64.9 120.5

131 90.5 62.0 115.2

166 128.3 82.9 153.9



Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

