

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\
 Data File : VV013742.D
 Acq On : 22 Nov 2019 18:35
 Operator : SY/MD
 Sample : K5941-15
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 B0AC9

Quant Time: Nov 23 03:06:28 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Nov 23 01:35:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	347849	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	340656	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	161143	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	110010	5.11	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	100840	5.52	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	110.40%
11) 1,1-Dichloroethene-d2	2.13	63	151220	4.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.40%
20) 2-Butanone-d5	3.93	46	290397	64.88	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	129.76%
24) Chloroform-d	4.40	84	233296	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.08	65	116214	5.63	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	112.60%
32) Benzene-d6	5.10	84	444654	5.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	101.20%
36) 1,2-Dichloropropane-d6	6.11	67	133686	5.10	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	102.00%
41) Toluene-d8	7.36	98	395305	4.79	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.80%
43) trans-1,3-Dichloropropene-	7.66	79	49456	4.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.00%
46) 2-Hexanone-d5	8.13	63	224209	59.62	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	119.24%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	105754	5.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	116.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	170682	6.00	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	120.00%

Target Compounds

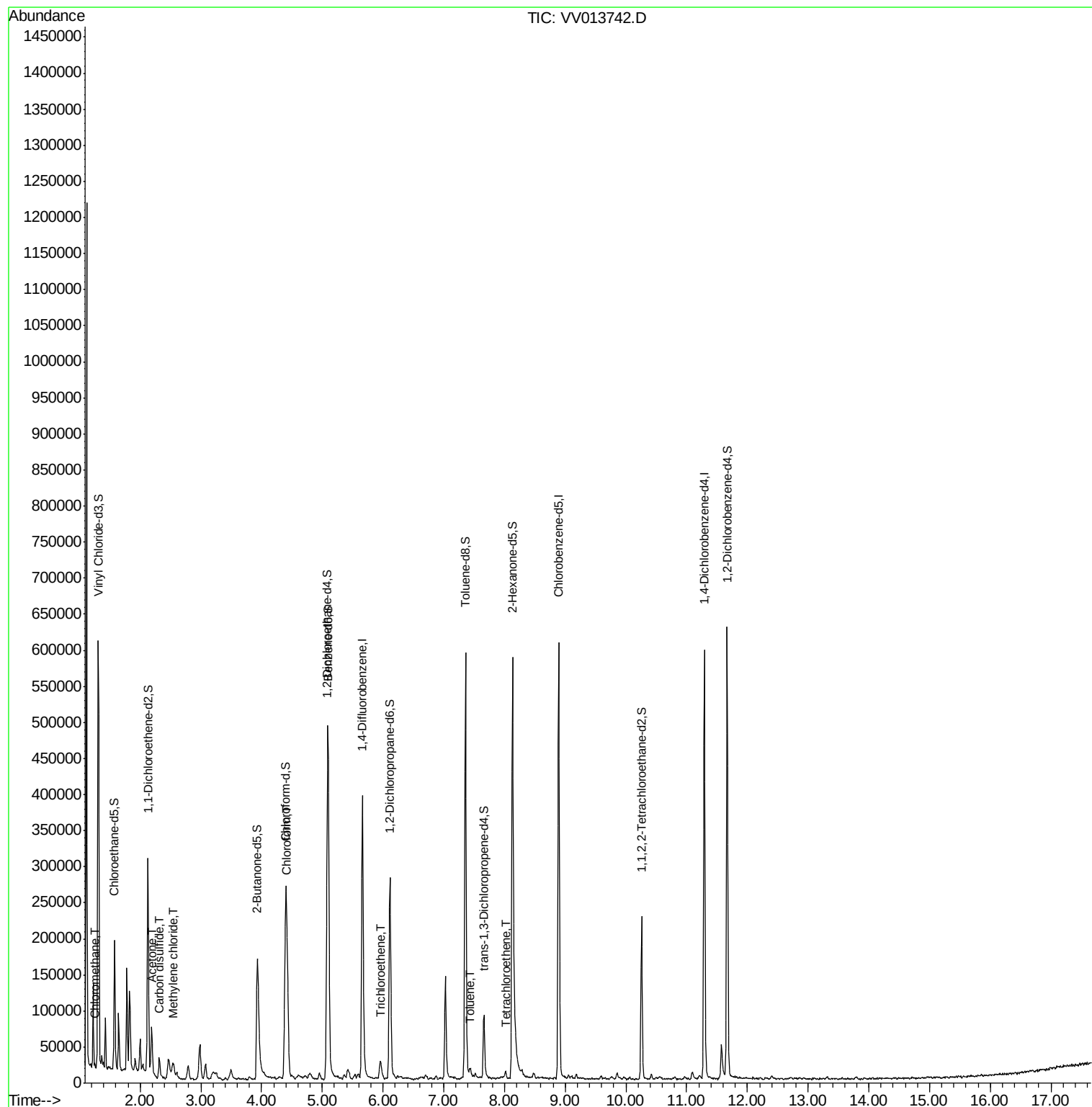
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	1.25	50	5035	0.247	ug/L	99
13) Acetone	2.19	43	63300	20.225	ug/L #	54
14) Carbon disulfide	2.32	76	24085	0.624	ug/L #	94
16) Methylene chloride	2.53	84	6628	0.289	ug/L	85
25) Chloroform	4.42	83	118354	2.961	ug/L	96
34) Trichloroethene	5.96	95	6239	0.271	ug/L	96
42) Toluene	7.44	91	8246	0.092	ug/L	88
47) Tetrachloroethene	8.02	164	2540	0.127	ug/L #	77

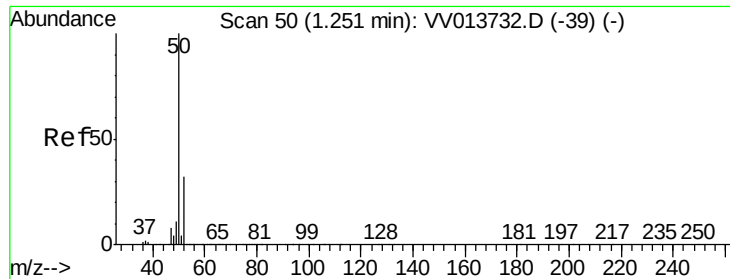
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.247 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

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Acq: 22 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampleId :

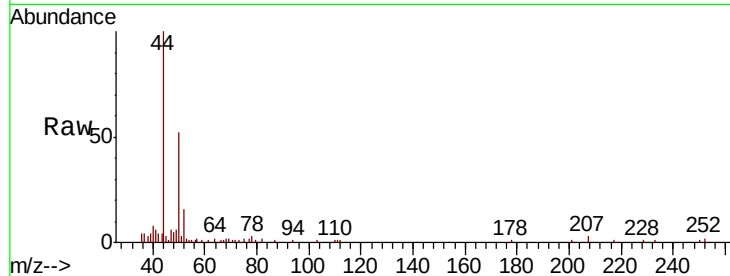
B0AC9

Tot Ion: 50 Resp: 5035

Ion Ratio Lower Upper

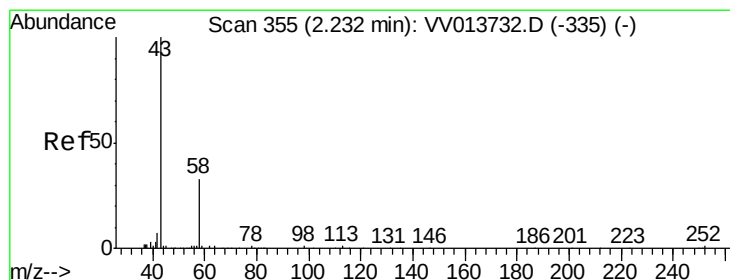
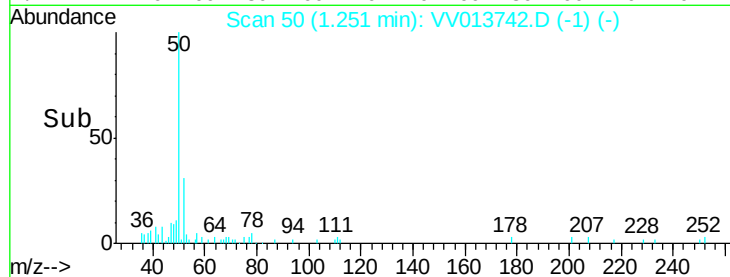
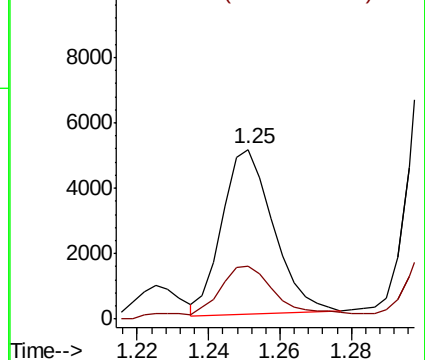
50 100

52 31.4 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#13

Acetone

Concen: 20.225 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.04 min

Lab File: VV013742.D

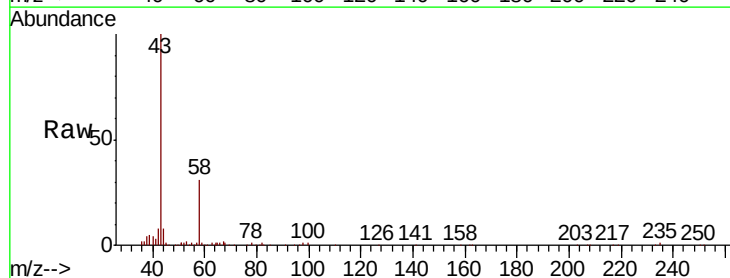
Acq: 22 Nov 2019 18:35

Tgt Ion: 43 Resp: 63300

Ion Ratio Lower Upper

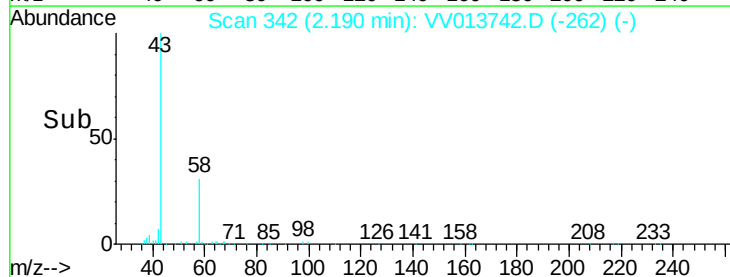
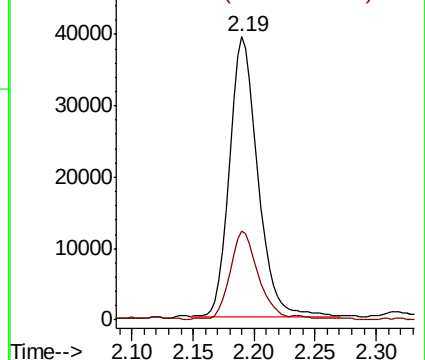
43 100

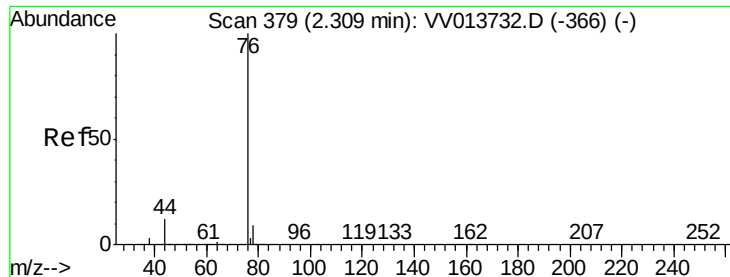
58 32.0 0.0 27.2#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0





#14

Carbon disulfide

Concen: 0.624 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV013742.D

Acq: 22 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampleId :

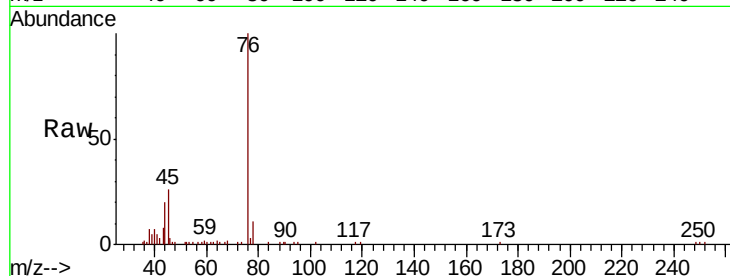
B0AC9

Tot Ion: 76 Resp: 24085

Ion Ratio Lower Upper

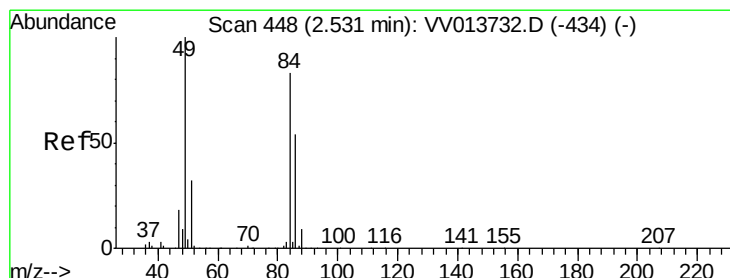
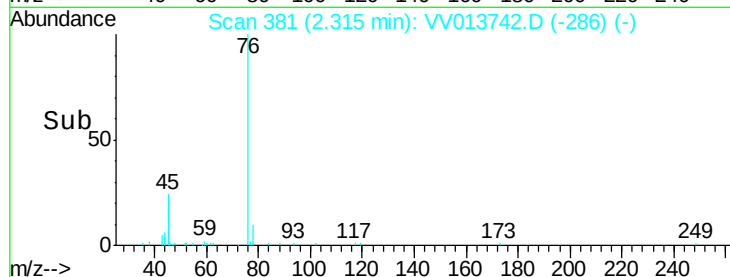
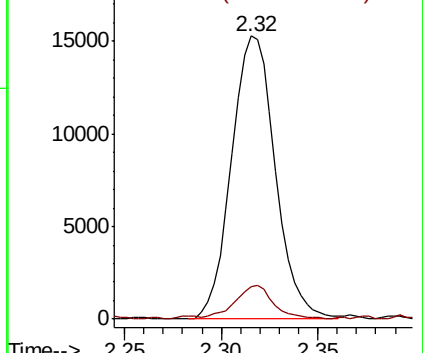
76 100

78 11.5 7.5 11.3#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.289 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013742.D

Acq: 22 Nov 2019 18:35

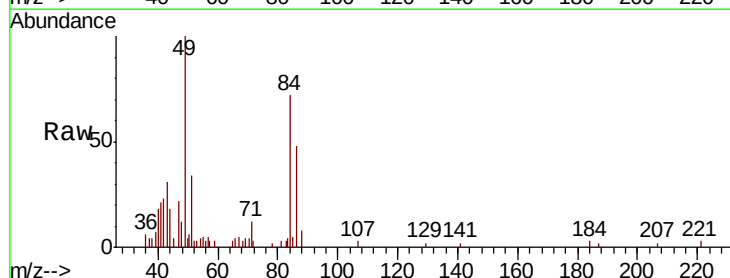
Tgt Ion: 84 Resp: 6628

Ion Ratio Lower Upper

84 100

86 66.4 44.0 81.6

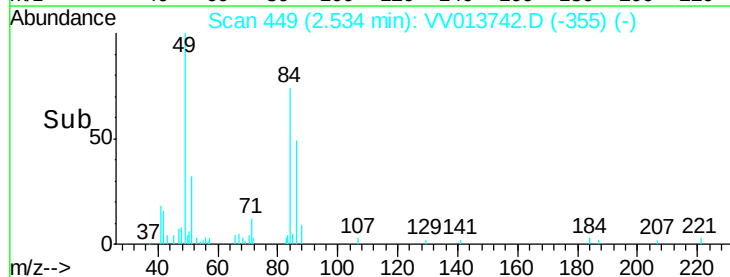
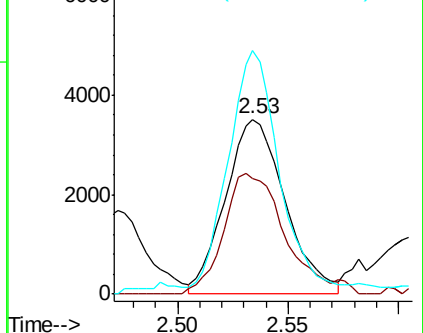
49 139.2 81.5 151.5

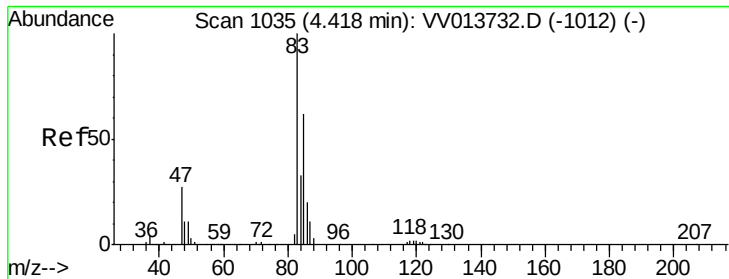


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

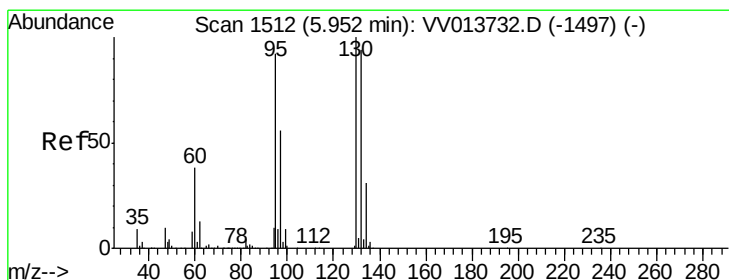
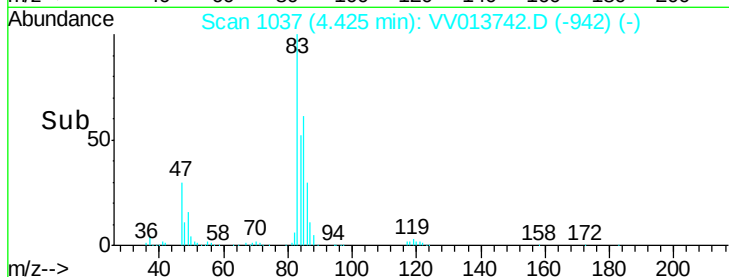
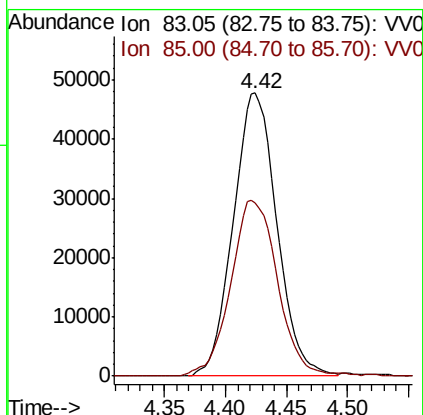
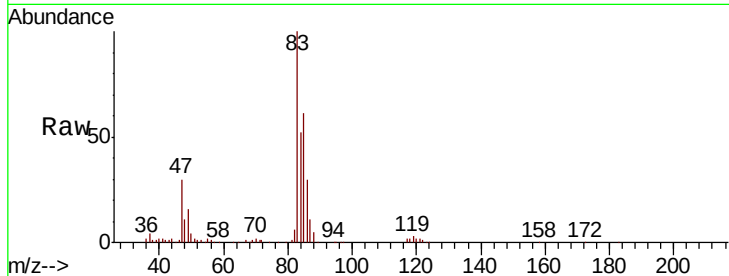




#25
Chloroform
Concen: 2.961 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.01 min
Lab File: VV013742.D
Acq: 22 Nov 2019 18:35

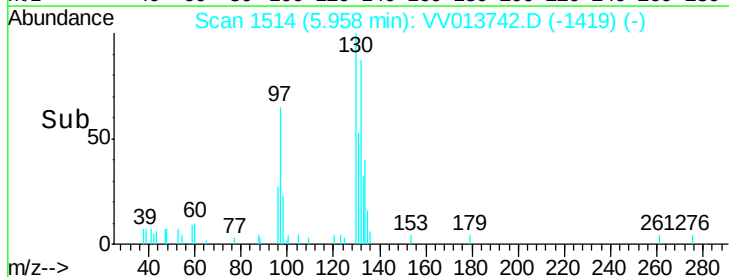
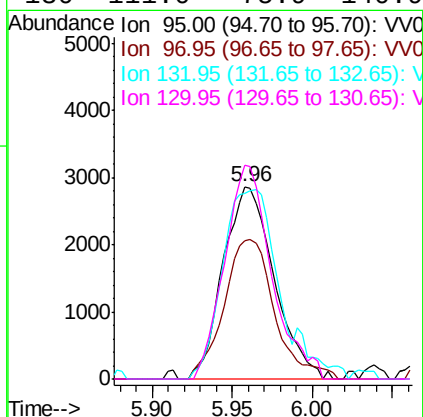
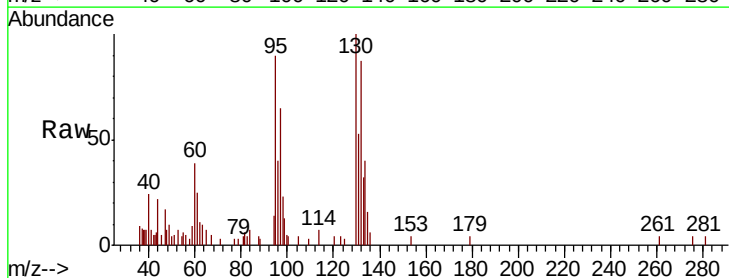
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ClientSampled :
B0AC9

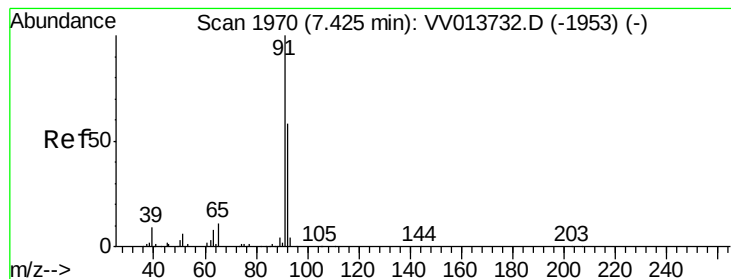
Tot Ion: 83 Resp: 118354
Ion Ratio Lower Upper
83 100
85 61.0 45.1 83.7



#34
Trichloroethene
Concen: 0.271 ug/L
RT: 5.96 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VV013742.D
Acq: 22 Nov 2019 18:35

Tgt Ion: 95 Resp: 6239
Ion Ratio Lower Upper
95 100
97 71.9 45.6 84.8
132 96.7 70.5 130.9
130 111.0 75.9 140.9





#42

Toluene

Concen: 0.092 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.01 min

Lab File: VV013742.D

Acq: 22 Nov 2019 18:35

Instrument :

MSVOA_V

ClientSampleId :

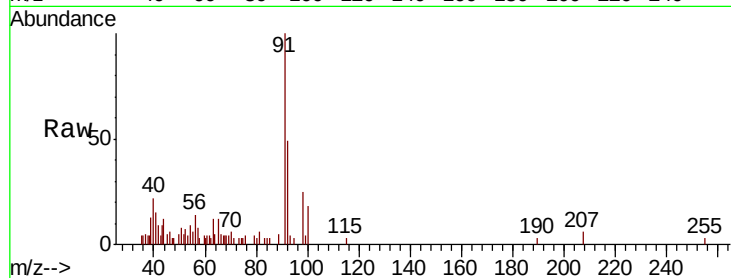
B0AC9

Tot Ion: 91 Resp: 8246

Ion Ratio Lower Upper

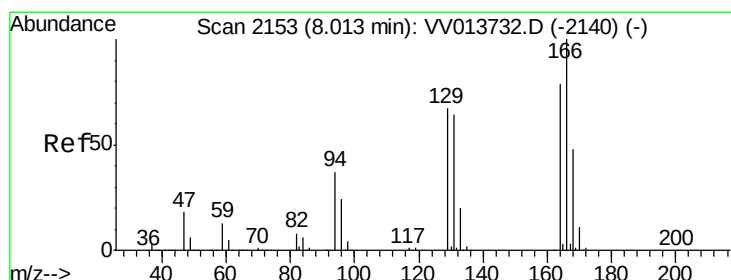
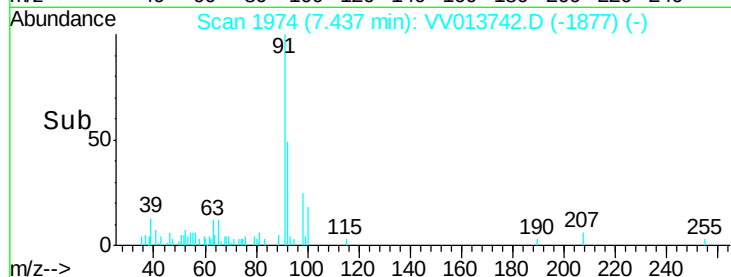
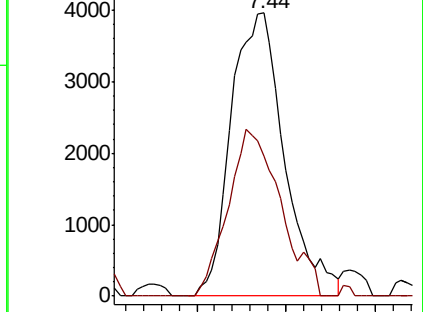
91 100

92 49.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV013732.D (-1953) (-)

Ion 92.15 (91.85 to 92.85): VV013732.D (-1953) (-)



#47

Tetrachloroethene

Concen: 0.127 ug/L

RT: 8.02 min Scan# 2154

Delta R.T. 0.00 min

Lab File: VV013742.D

Acq: 22 Nov 2019 18:35

Tgt Ion: 164 Resp: 2540

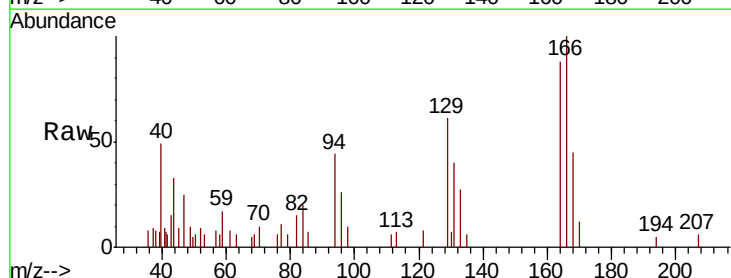
Ion Ratio Lower Upper

164 100

129 68.6 60.3 112.1

131 45.7 59.9 111.3#

166 113.1 89.1 165.5



Abundance Ion 163.90 (163.60 to 164.60): VV013732.D (-2140) (-)

Ion 128.95 (128.65 to 129.65): VV013732.D (-2140) (-)

Ion 130.95 (130.65 to 131.65): VV013732.D (-2140) (-)

Ion 165.90 (165.60 to 166.60): VV013732.D (-2140) (-)

