

Data File : VV013497.D
Acq On : 06 Nov 2019 14:32
Operator : SY/MD
Sample : VV1106MBL01
Misc : 5.0G/5mL/100uL/5.0mL/MSVOA_V/MEOH
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK79

Quant Time: Nov 07 02:46:04 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM110619WMA.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 07 01:53:11 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	1034720	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	982341	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	430327	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	308538	50.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	101.84%
7) Chloroethane-d5	1.58	69	262972	53.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.64%
11) 1,1-Dichloroethene-d2	2.13	63	412206	38.90	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	77.80%
21) 2-Butanone-d5	3.92	46	502584	112.18	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.18%
24) Chloroform-d	4.40	84	658343	50.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.10%
26) 1,2-Dichloroethane-d4	5.08	65	461107	53.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	107.44%
32) Benzene-d6	5.10	84	1428328	54.52	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.04%
36) 1,2-Dichloropropane-d6	6.11	67	463835	54.58	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	109.16%
41) Toluene-d8	7.36	98	1282958	53.22	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.44%
43) trans-1,3-Dichloropropene-	7.66	79	204531	52.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.74%
47) 2-Hexanone-d5	8.13	63	325734	105.65	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.65%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	545115	51.05	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.10%
64) 1,2-Dichlorobenzene-d4	11.67	152	500534	58.35	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	116.70%

Target Compounds

					Qvalue	
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5452	0.954	ug/L #	26
12) 1,1-Dichloroethene	2.13	96	4177	0.766	ug/L #	1
14) Carbon disulfide	2.32	76	12223	0.640	ug/L	96
25) Chloroform	4.42	83	42598	3.197	ug/L	94
44) trans-1,3-Dichloropropene	7.66	75	10397	1.071	ug/L	91
48) 2-Hexanone	8.18	43	23945	3.204	ug/L #	74
59) 1,2,3-Trichloropropane	11.29	75	48763	5.641	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	7293	0.559	ug/L	97
63) 1,4-Dichlorobenzene	11.31	146	8782	0.650	ug/L	89
66) 1,2-Dibromo-3-chloropropan	12.69	75	1883	1.045	ug/L #	3
67) 1,3,5-Trichlorobenzene	12.69	180	9168	0.900	ug/L	91
68) 1,2,4-trichlorobenzene	13.31	180	10448	1.170	ug/L	97
69) Naphthalene	13.55	128	26421	1.108	ug/L	97
70) 1,2,3-Trichlorobenzene	13.79	180	9003	0.950	ug/L	96

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK79

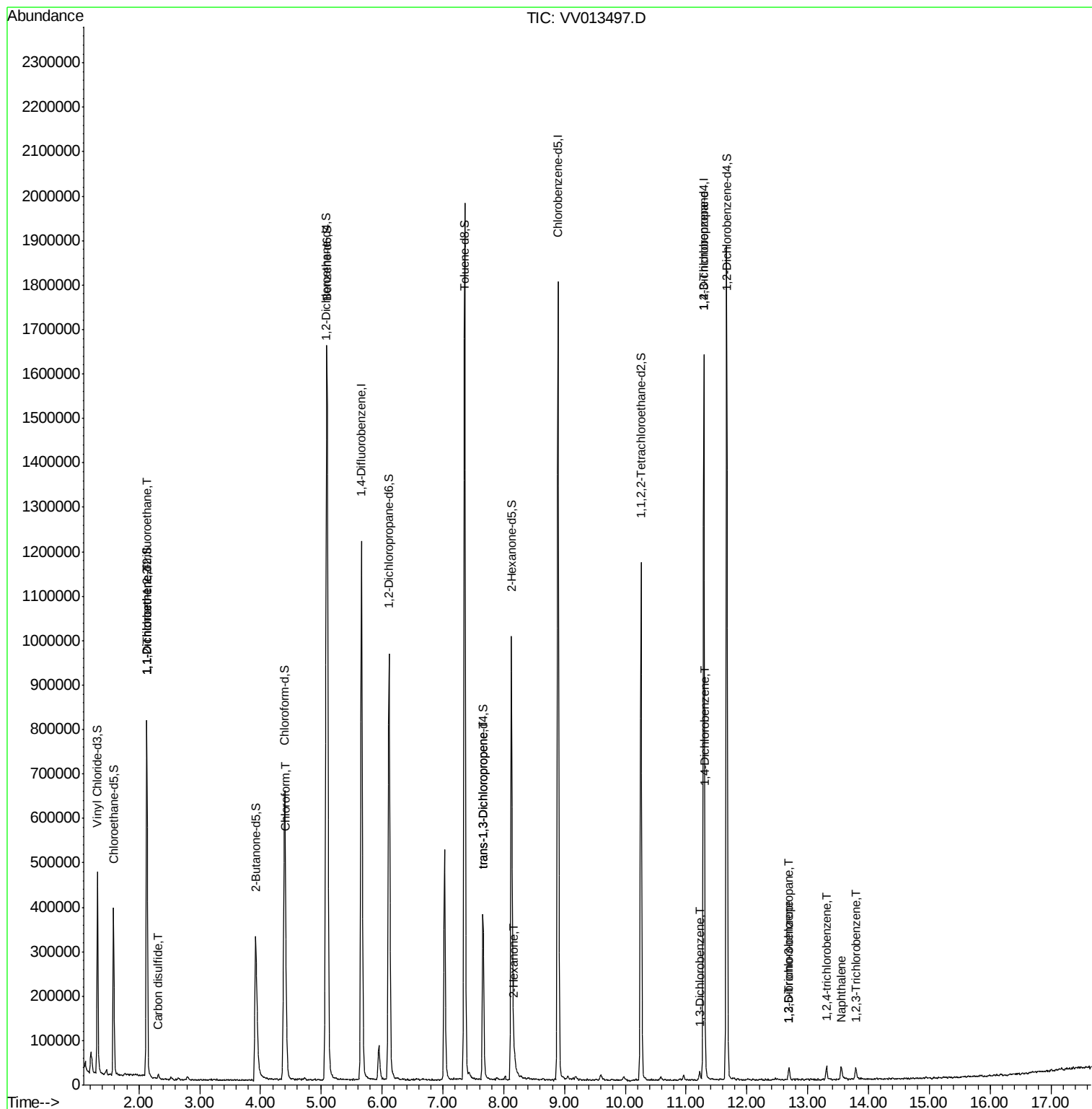
Quant Time: Nov 07 02:46:04 2019

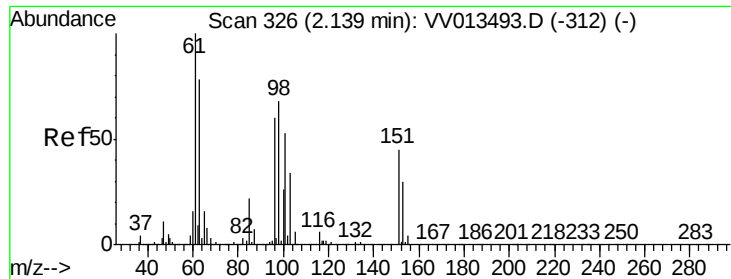
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVLM110619WMA.M

Quant Title : VOC Analysis

QLast Update : Thu Nov 07 01:53:11 2019

Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.954 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013497.D

Acq: 06 Nov 2019 14:32

Instrument :

MSVOA_V

ClientSampleId :

VBLK79

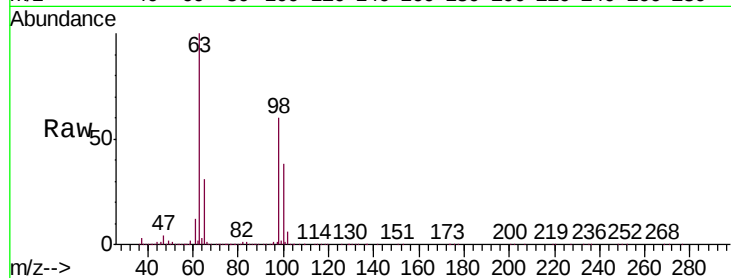
Tgt Ion: 101 Resp: 5452

Ion Ratio Lower Upper

101 100

85 6.6 33.3 49.9#

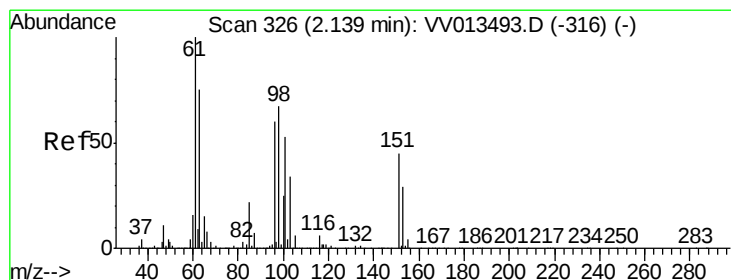
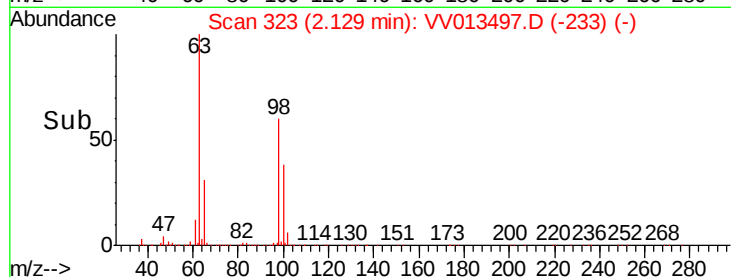
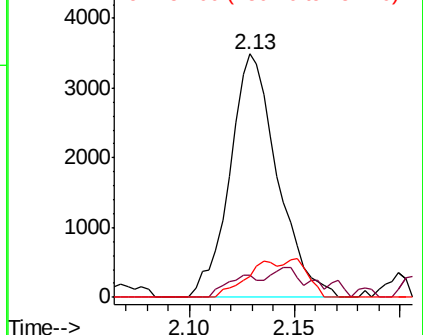
151 10.3 69.5 104.3#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.766 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV013497.D

Acq: 06 Nov 2019 14:32

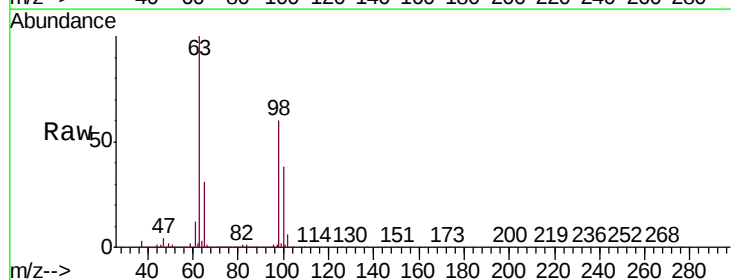
Tgt Ion: 96 Resp: 4177

Ion Ratio Lower Upper

96 100

61 1040.5 116.9 217.1#

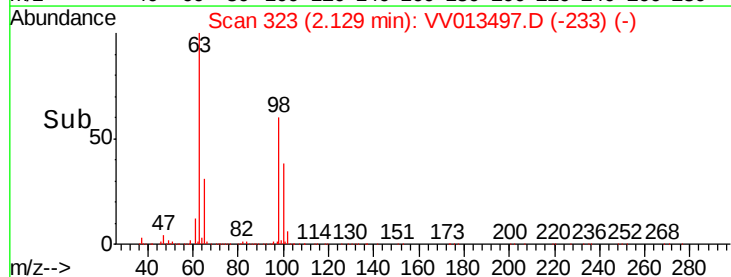
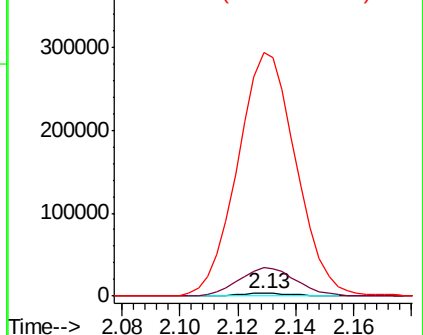
63 9040.0 91.5 169.9#

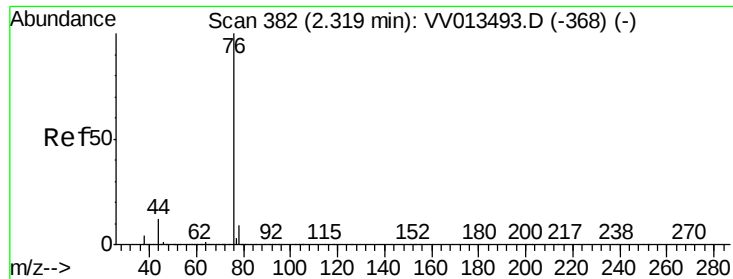


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#14

Carbon disulfide

Concen: 0.640 ug/L

RT: 2.32 min Scan# 382

Delta R.T. -0.00 min

Lab File: VV013497.D

Acq: 06 Nov 2019 14:32

Instrument :

MSVOA_V

ClientSampleId :

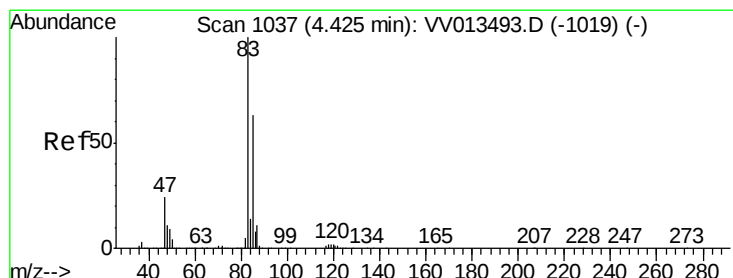
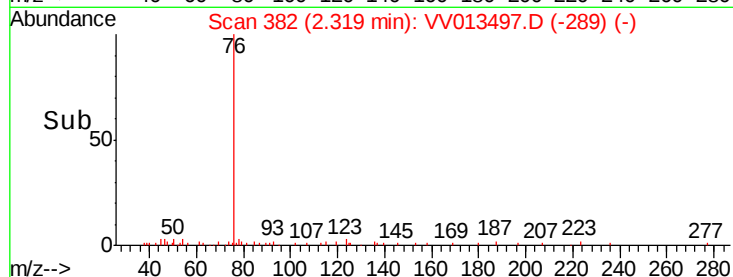
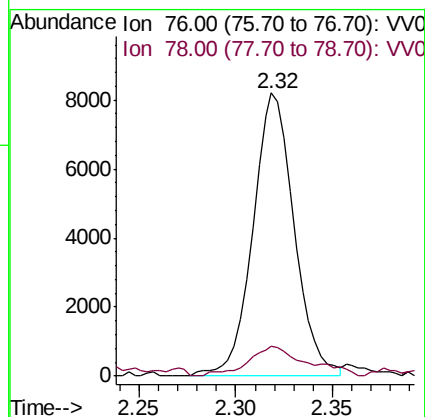
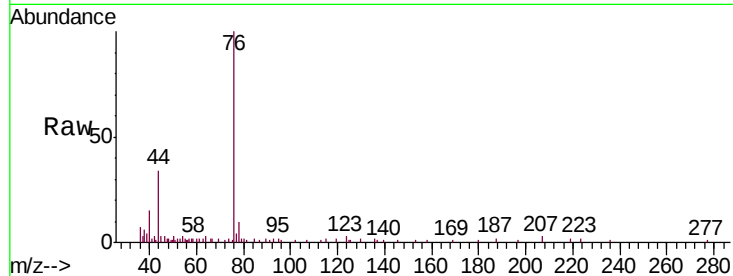
VBLK79

Tgt Ion: 76 Resp: 12223

Ion Ratio Lower Upper

76 100

78 10.5 7.3 10.9



#25

Chloroform

Concen: 3.197 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013497.D

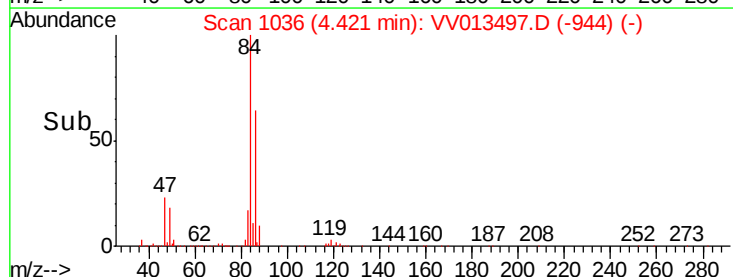
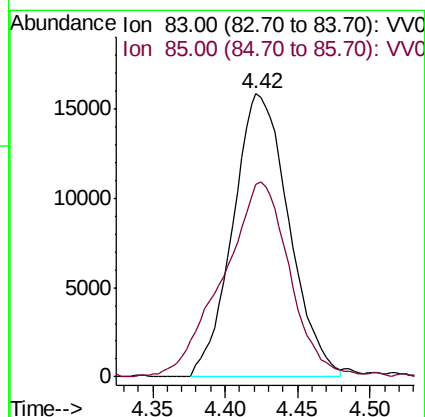
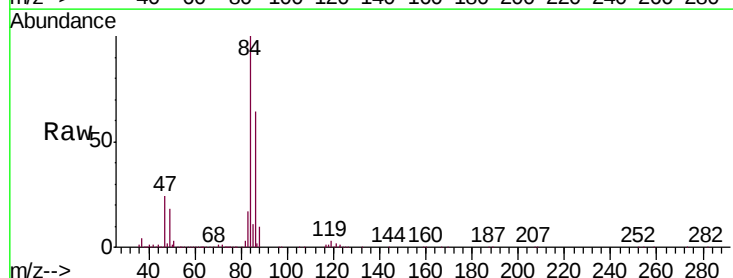
Acq: 06 Nov 2019 14:32

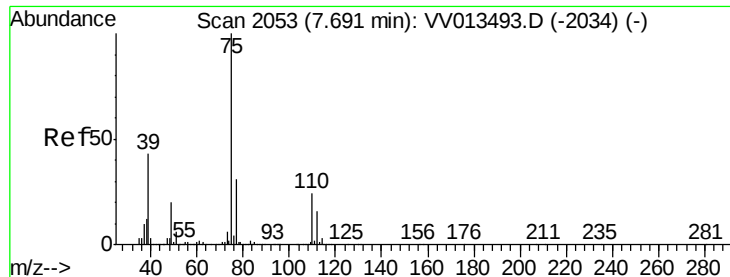
Tgt Ion: 83 Resp: 42598

Ion Ratio Lower Upper

83 100

85 68.1 44.4 82.5





#44

trans-1,3-Dichloropropene

Concen: 1.071 ug/L

RT: 7.66 min Scan# 2043

Delta R.T. -0.03 min

Lab File: VV013497.D

Acq: 06 Nov 2019 14:32

Instrument :

MSVOA_V

ClientSampleId :

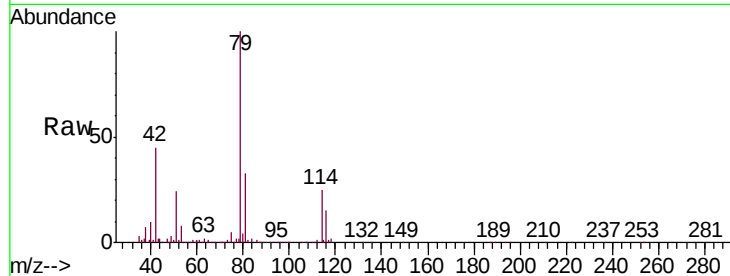
VBLK79

Tgt Ion: 75 Resp: 10397

Ion Ratio Lower Upper

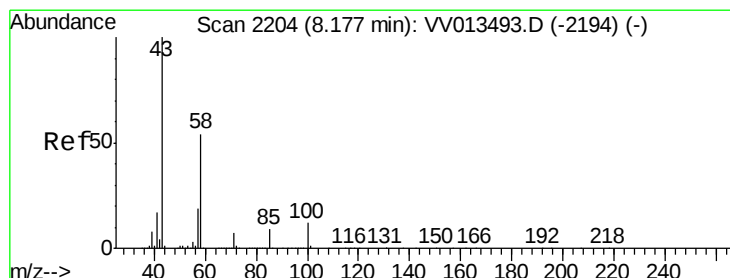
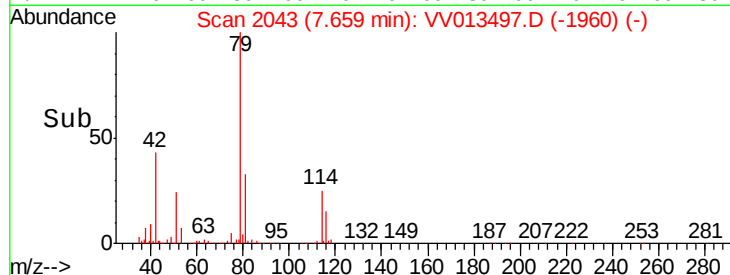
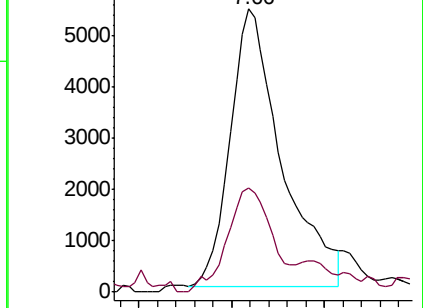
75 100

77 36.8 22.0 41.0



Abundance Ion 75.00 (74.70 to 75.70): VV013493.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV013493.D (-2034) (-)



#48

2-Hexanone

Concen: 3.204 ug/L

RT: 8.18 min Scan# 2204

Delta R.T. -0.00 min

Lab File: VV013497.D

Acq: 06 Nov 2019 14:32

Tgt Ion: 43 Resp: 23945

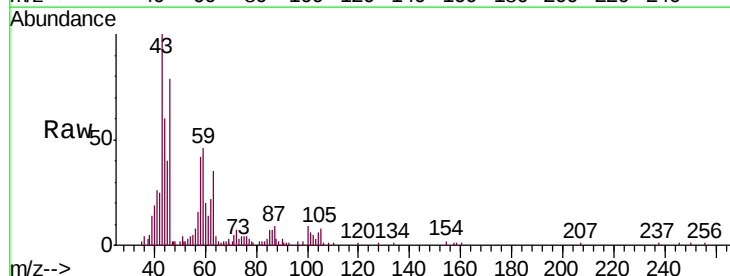
Ion Ratio Lower Upper

43 100

58 36.3 43.4 65.0#

57 2.2 15.2 22.8#

100 8.3 9.9 14.9#

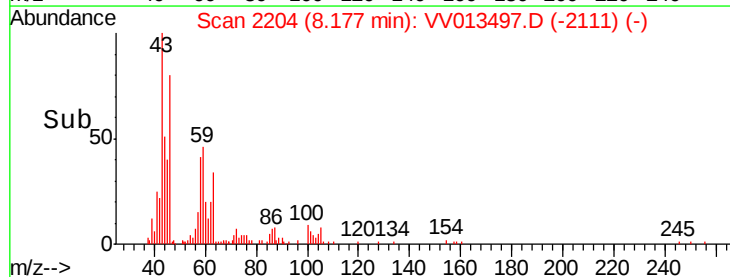
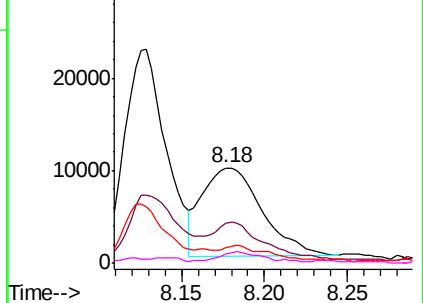


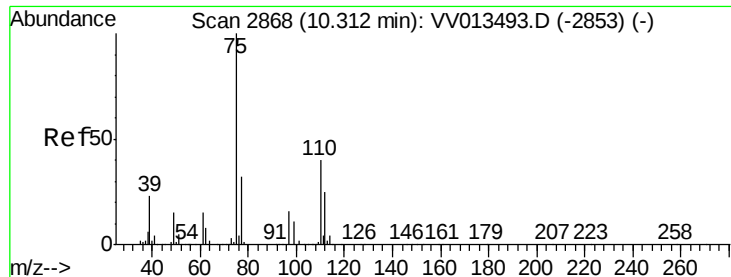
Abundance Ion 43.00 (42.70 to 43.70): VV013493.D (-2194) (-)

Ion 58.00 (57.70 to 58.70): VV013493.D (-2194) (-)

Ion 57.00 (56.70 to 57.70): VV013493.D (-2194) (-)

Ion 100.00 (99.70 to 100.70): VV013493.D (-2194) (-)

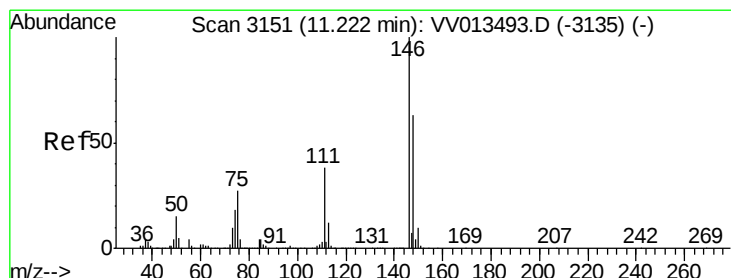
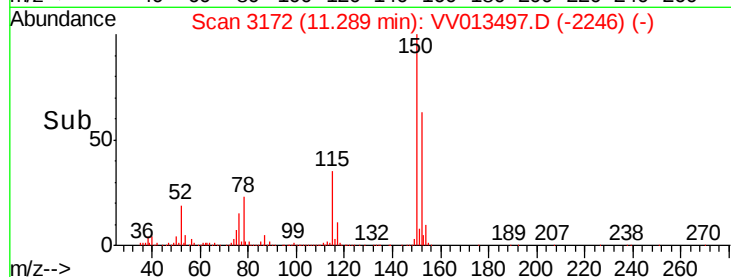
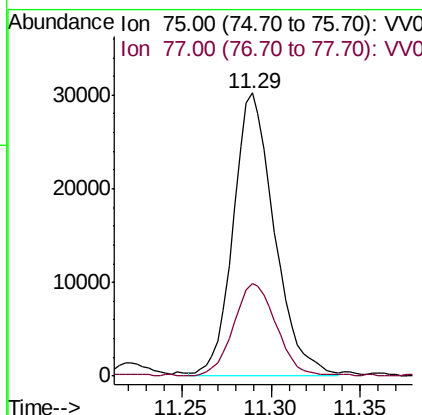
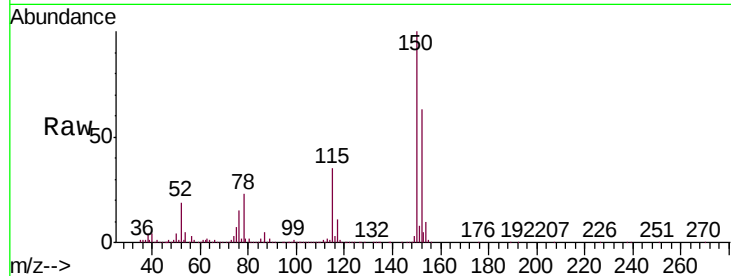




#59
 1,2,3-Trichloropropane
 Concen: 5.641 ug/L
 RT: 11.29 min Scan# 3172
 Delta R.T. 0.98 min
 Lab File: VV013497.D
 Acq: 06 Nov 2019 14:32

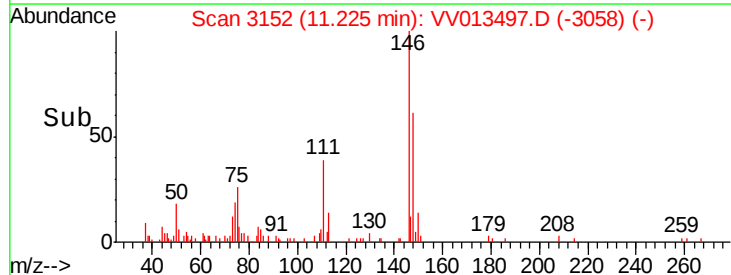
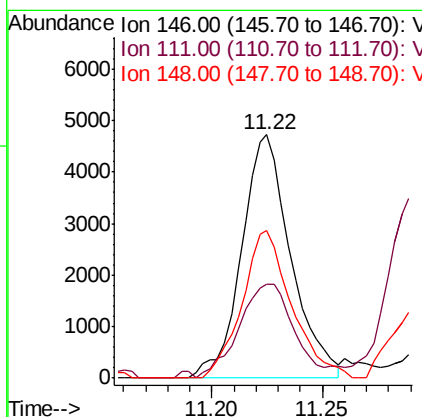
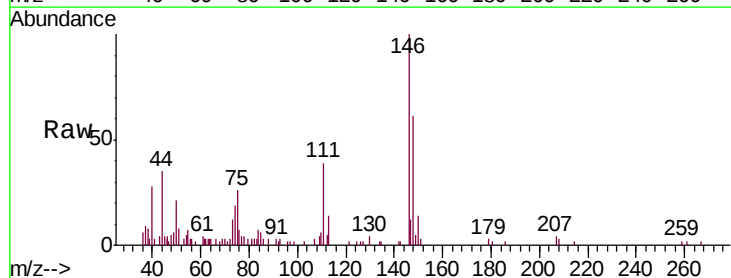
Instrument :
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 ClientSampleId :
 VBLK79

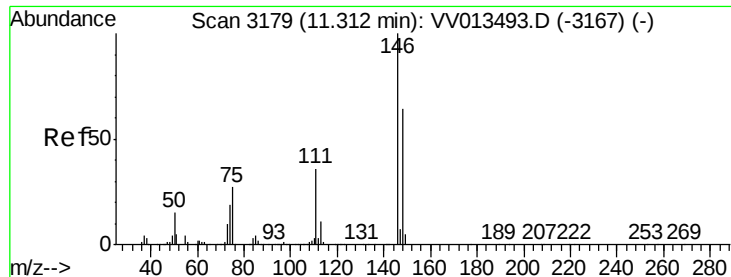
Tgt Ion: 75 Resp: 48763
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.4 38.2



#62
 1,3-Dichlorobenzene
 Concen: 0.559 ug/L
 RT: 11.22 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV013497.D
 Acq: 06 Nov 2019 14:32

Tgt Ion: 146 Resp: 7293
 Ion Ratio Lower Upper
 146 100
 111 38.6 26.4 49.0
 148 60.7 44.4 82.4

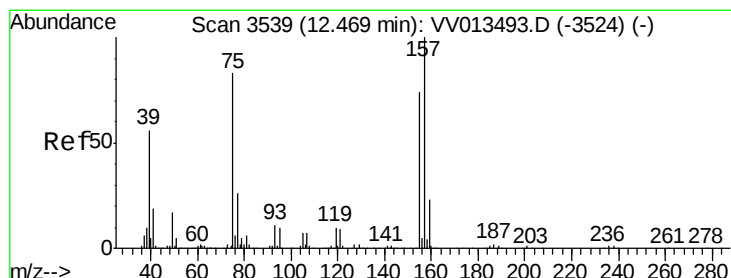
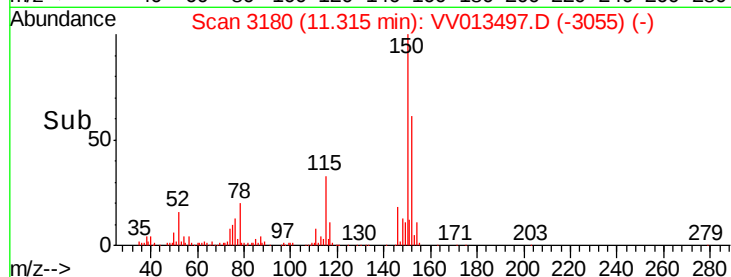
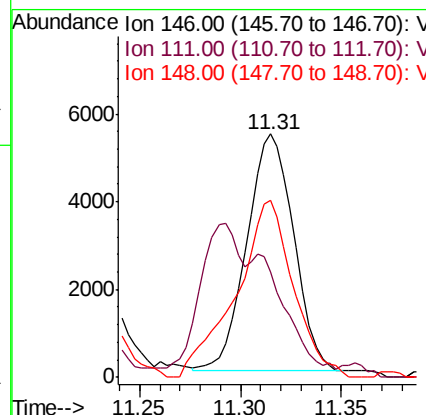
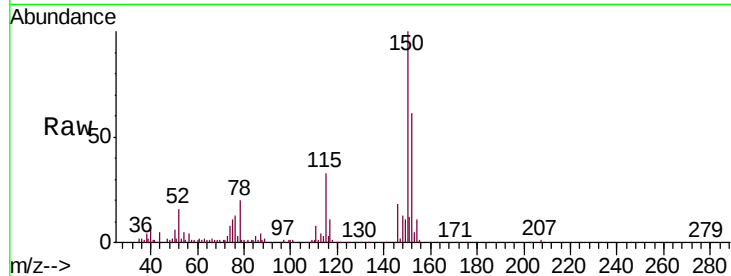




#63
 1,4-Dichlorobenzene
 Concen: 0.650 ug/L
 RT: 11.31 min Scan# 3180
 Delta R.T. 0.00 min
 Lab File: VV013497.D
 Acq: 06 Nov 2019 14:32

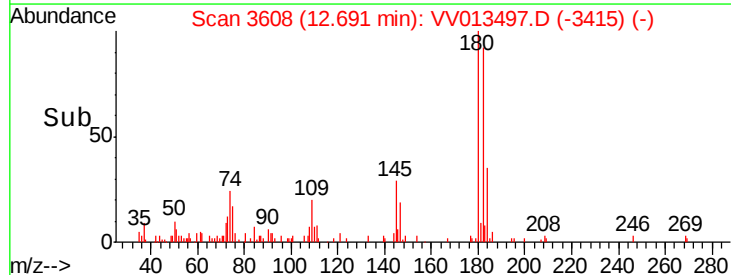
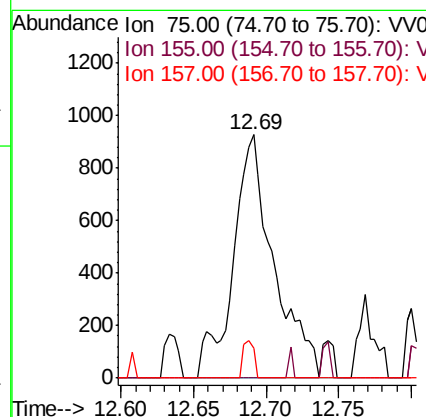
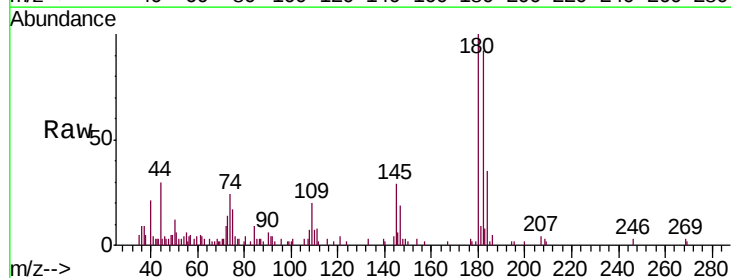
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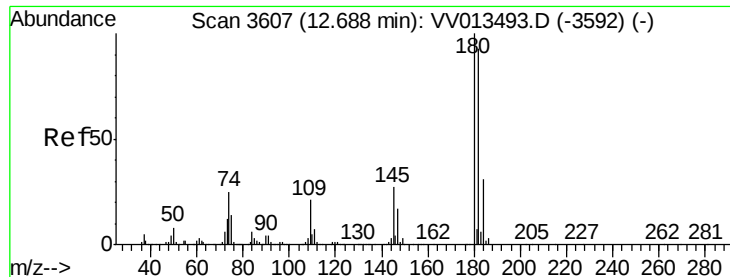
Tgt Ion: 146 Resp: 8782
 Ion Ratio Lower Upper
 146 100
 111 43.0 25.5 47.3
 148 72.7 44.9 83.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.045 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.22 min
 Lab File: VV013497.D
 Acq: 06 Nov 2019 14:32

Tgt Ion: 75 Resp: 1883
 Ion Ratio Lower Upper
 75 100
 155 0.0 71.9 107.9#
 157 12.3 96.6 145.0#

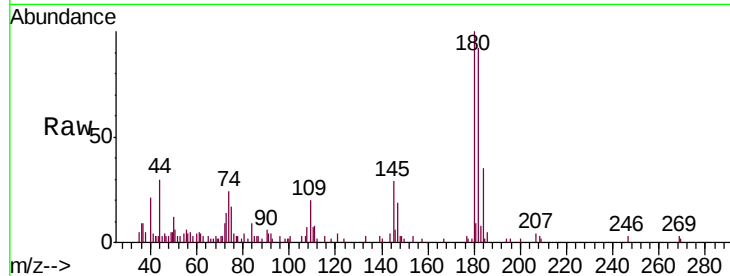




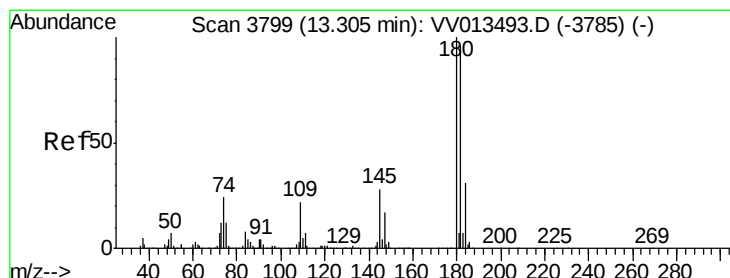
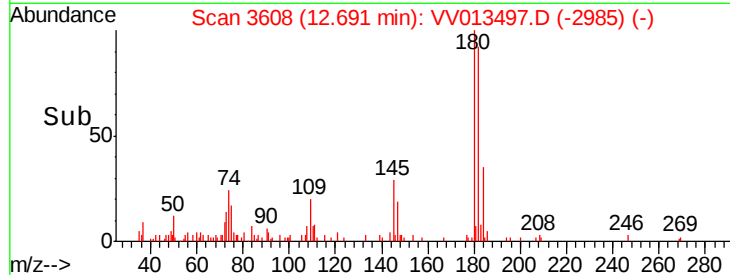
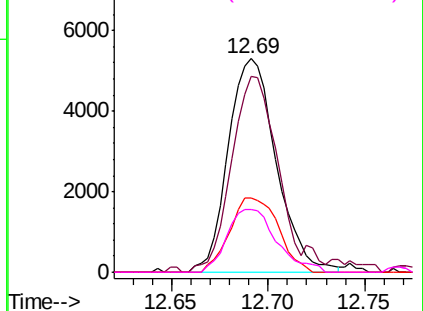
#67
 1,3,5-Trichlorobenzene
 Concen: 0.900 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VV013497.D
 Acq: 06 Nov 2019 14:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VBLK79

Tgt Ion:180 Resp: 9168
 Ion Ratio Lower Upper
 180 100
 182 85.8 76.2 114.2
 184 35.2 24.3 36.5
 145 30.3 21.2 31.8

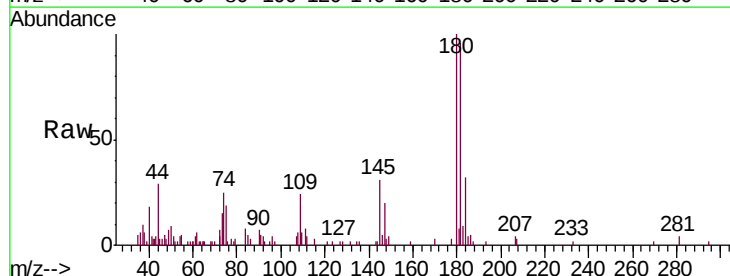


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

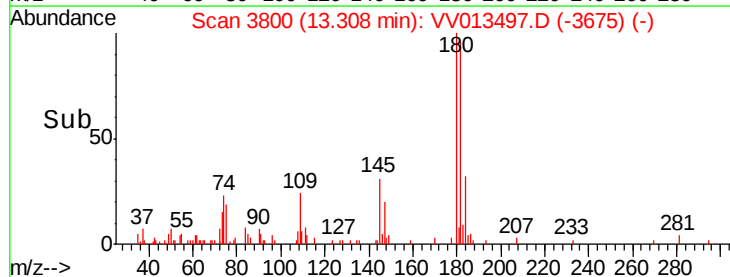
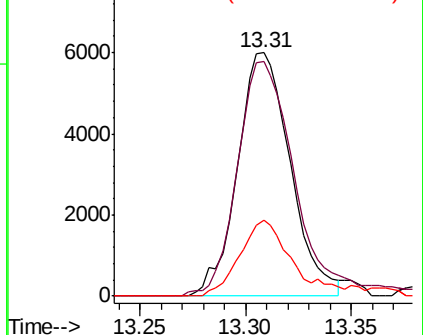


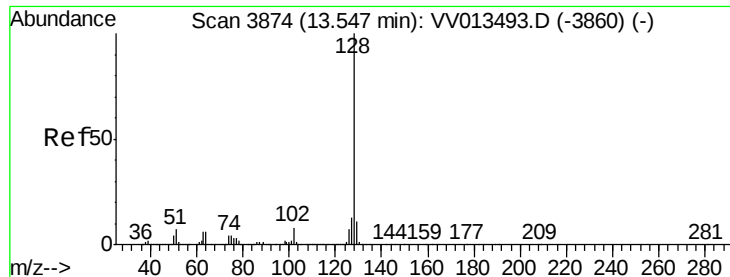
#68
 1,2,4-trichlorobenzene
 Concen: 1.170 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. 0.00 min
 Lab File: VV013497.D
 Acq: 06 Nov 2019 14:32

Tgt Ion:180 Resp: 10448
 Ion Ratio Lower Upper
 180 100
 182 98.8 76.4 114.6
 145 28.0 22.4 33.6



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 1.108 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.01 min

Lab File: VV013497.D

Acq: 06 Nov 2019 14:32

Instrument :

MSVOA_V

ClientSampleId :

VBLK79

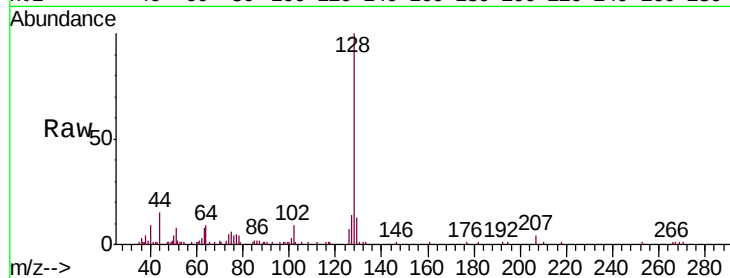
Tgt Ion:128 Resp: 26421

Ion Ratio Lower Upper

128 100

127 13.4 10.6 15.8

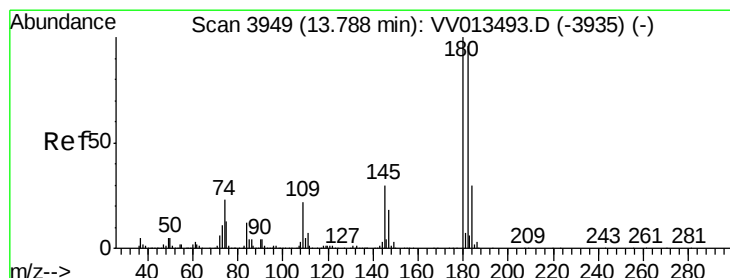
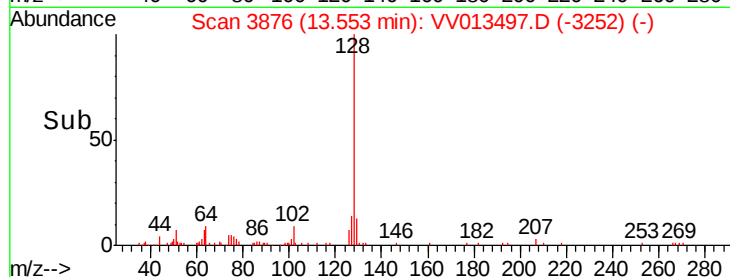
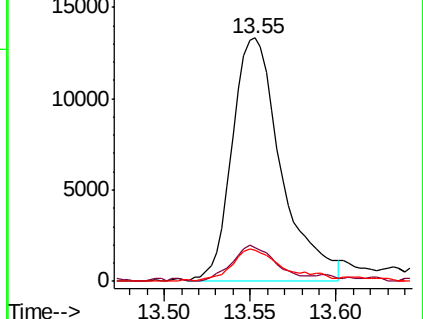
129 12.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.950 ug/L

RT: 13.79 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VV013497.D

Acq: 06 Nov 2019 14:32

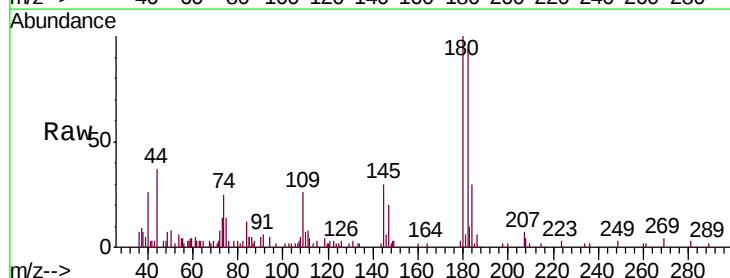
Tgt Ion:180 Resp: 9003

Ion Ratio Lower Upper

180 100

182 100.0 77.4 116.0

145 33.7 24.0 36.0



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

