

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070220\
 Data File : VV017307.D
 Acq On : 02 Jul 2020 13:48
 Operator : SY/MD
 Sample : L3154-02
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H4269

Quant Time: Jul 03 04:58:10 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Jul 03 01:13:36 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	169999	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	163629	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	81417	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	53633	5.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	105.20%
7) Chloroethane-d5	1.58	69	37767	5.09	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	101.80%
11) 1,1-Dichloroethene-d2	2.13	63	81437	4.19	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	83.80%
20) 2-Butanone-d5	3.92	46	96555	37.13	ug/L	-0.04
Spiked Amount	50.000	Range	40 - 130	Recovery	=	74.26%
24) Chloroform-d	4.38	84	103480	4.74	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.80%
26) 1,2-Dichloroethane-d4	5.06	65	55495	4.80	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.00%
32) Benzene-d6	5.08	84	181904	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	85.80%
36) 1,2-Dichloropropane-d6	6.10	67	56186	4.42	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.40%
41) Toluene-d8	7.34	98	159251	4.00	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.00%
45) trans-1,3-Dichloropropene-	7.64	79	20805	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
48) 2-Hexanone-d5	8.11	63	66329	32.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	65.78%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	39280	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	70983	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

					Ovalue
5) Vinyl chloride	1.32	62	1835354	164.529	ug/L 100
12) 1,1-Dichloroethene	2.14	96	30048	3.683	ug/L 89
14) Carbon disulfide	2.32	76	5470	0.224	ug/L 98
16) Methylene chloride	2.52	84	1830	0.209	ug/L # 78
18) trans-1,2-Dichloroethene	2.78	96	427558	49.453	ug/L 99
19) 1,1-Dichloroethane	3.21	63	15226	0.784	ug/L 98
22) cis-1,2-Dichloroethene	3.94	96	2129473	180.114	ug/L # 97
33) Benzene	5.13	78	68886	1.608	ug/L 100
34) Trichloroethene	5.94	95	395009	31.481	ug/L 98
35) Methylcyclohexane	6.16	83	2390	0.123	ug/L # 80
42) Toluene	7.41	91	115885	2.326	ug/L 100
54) Ethylbenzene	9.04	91	31468	0.592	ug/L 94
55) m,p-xylene	9.16	106	21642	1.038	ug/L 99
56) o-xylene	9.57	106	10624	0.546	ug/L 94
58) Isopropylbenzene	9.96	105	3205	0.060	ug/L # 96

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QLast Update : Fri Jul 03 01:13:36 2020
Response via : Initial Calibration

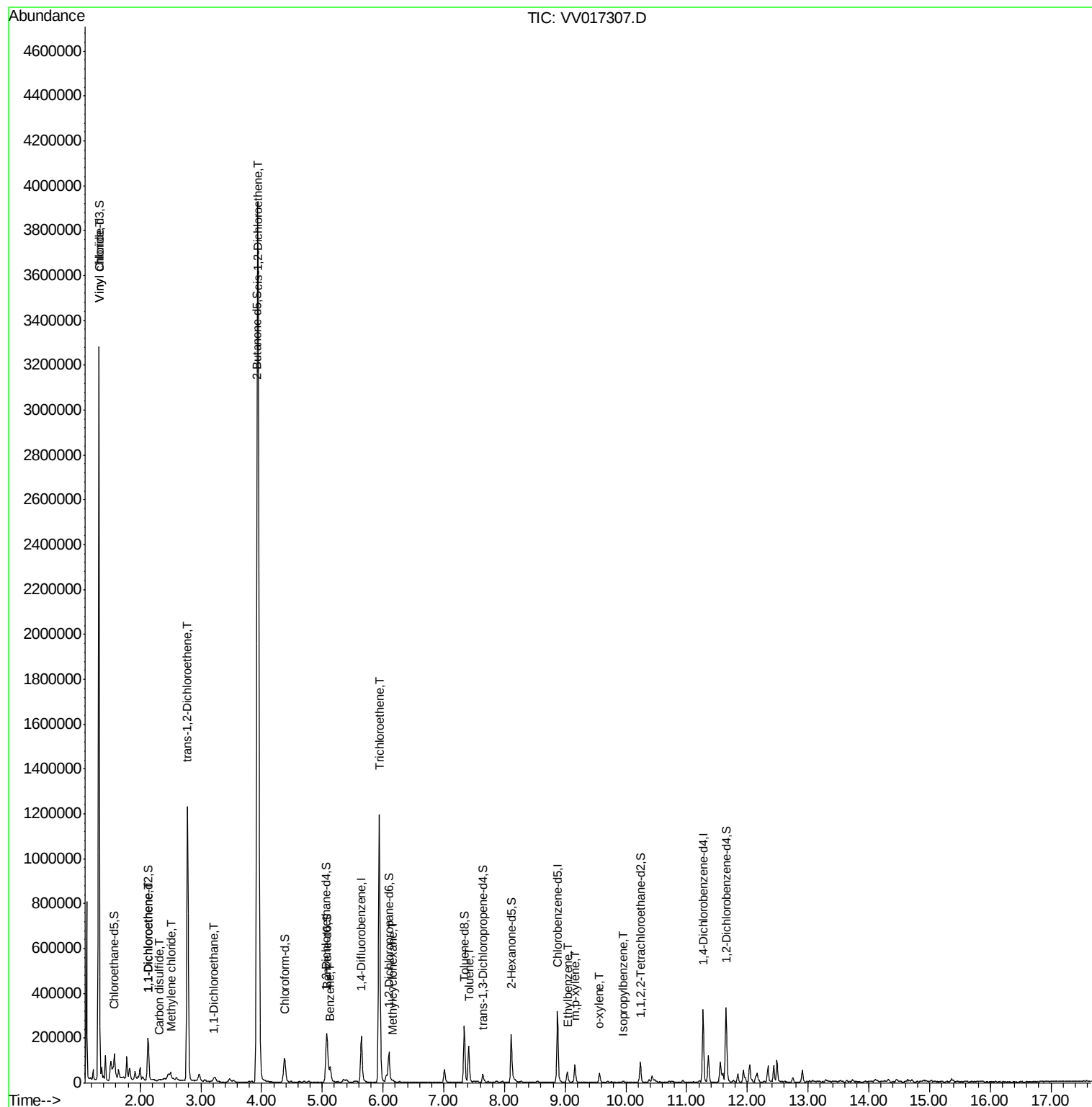
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

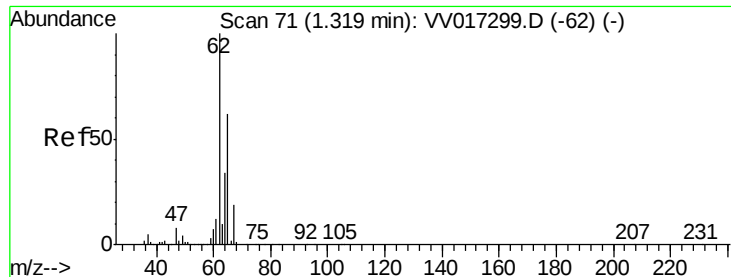
(#)=qualifier out of range (m)=manual integration (+)=signals summed						

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QLast Update : Fri Jul 03 01:13:36 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 164.529 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017307.D

Acq: 02 Jul 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

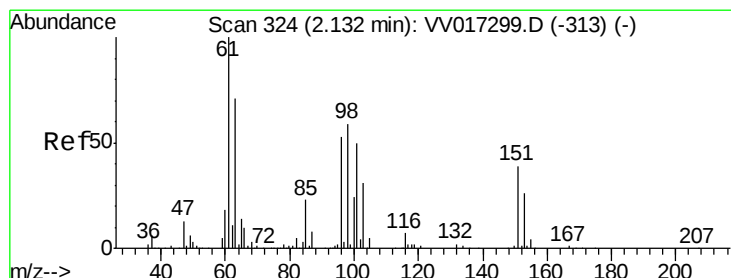
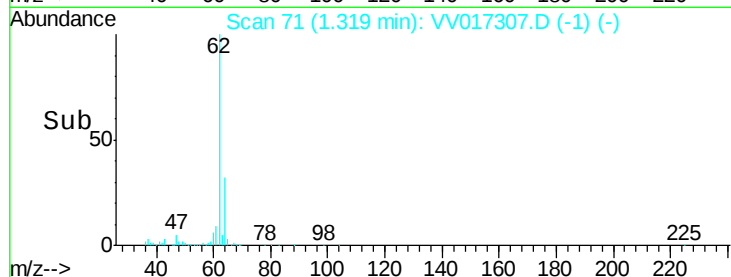
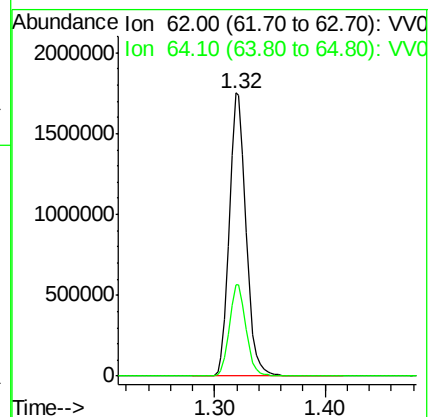
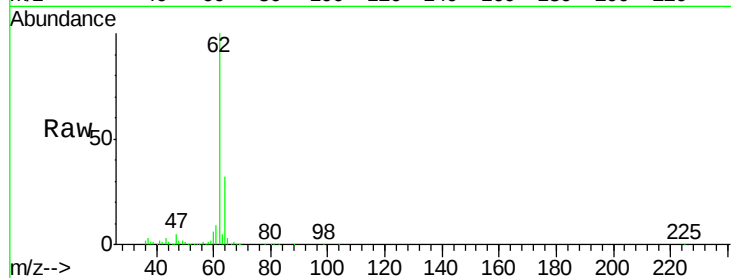
H4269

Tot Ion: 62 Resp: 1835354

Ion Ratio Lower Upper

62 100

64 32.4 22.5 41.7



#12

1,1-Dichloroethene

Concen: 3.683 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV017307.D

Acq: 02 Jul 2020 13:48

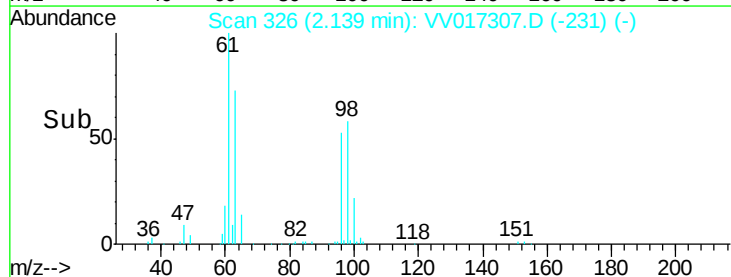
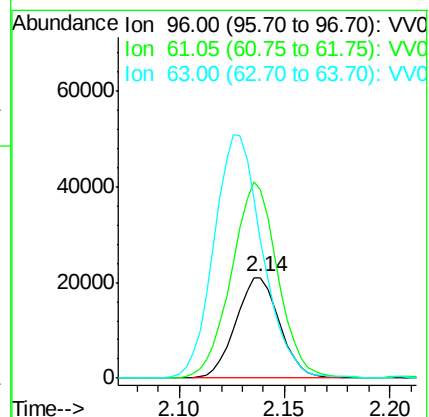
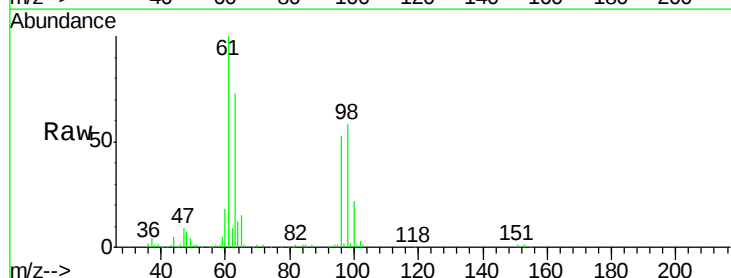
Tgt Ion: 96 Resp: 30048

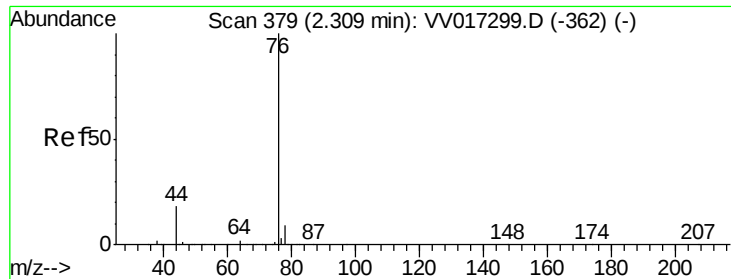
Ion Ratio Lower Upper

96 100

61 188.3 125.0 232.2

63 136.6 109.8 203.8





#14

Carbon disulfide

Concen: 0.224 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.01 min

Lab File: VV017307.D

Acq: 02 Jul 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

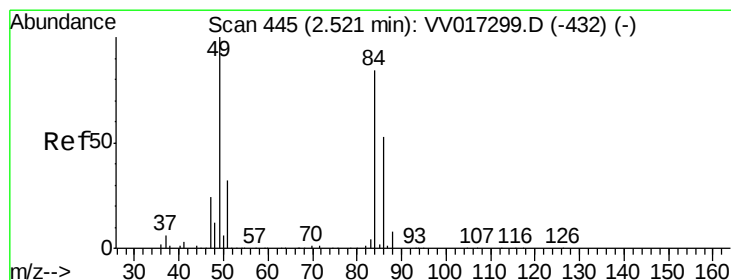
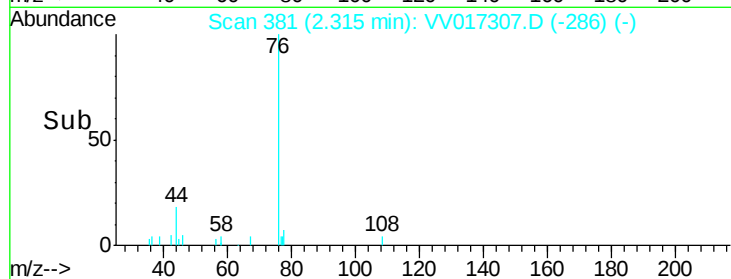
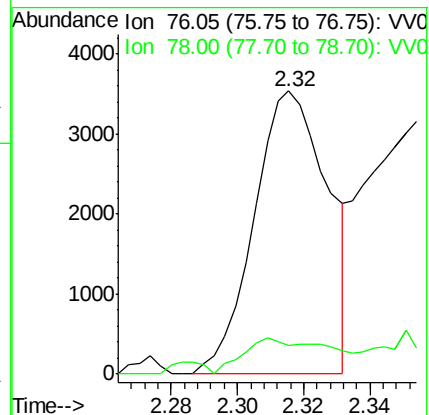
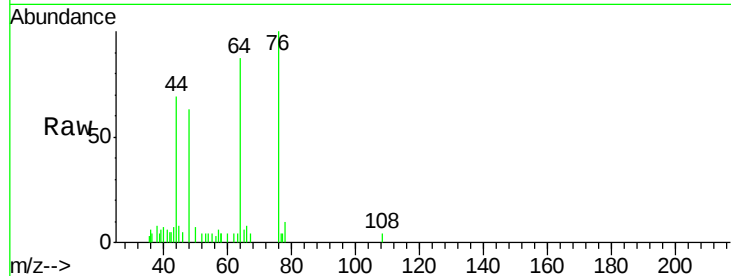
H4269

Tot Ion: 76 Resp: 5470

Ion Ratio Lower Upper

76 100

78 10.2 7.7 11.5



#16

Methylene chloride

Concen: 0.209 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017307.D

Acq: 02 Jul 2020 13:48

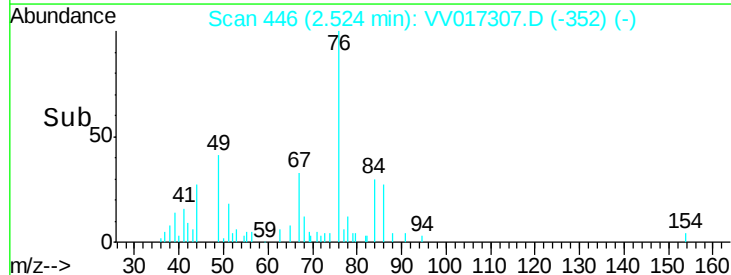
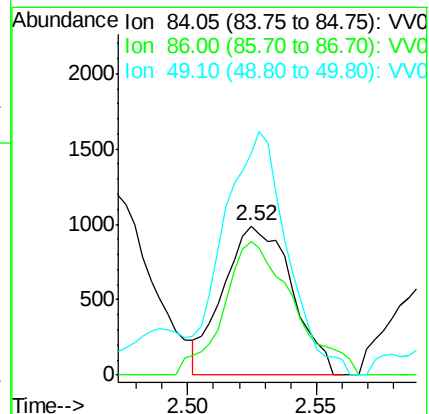
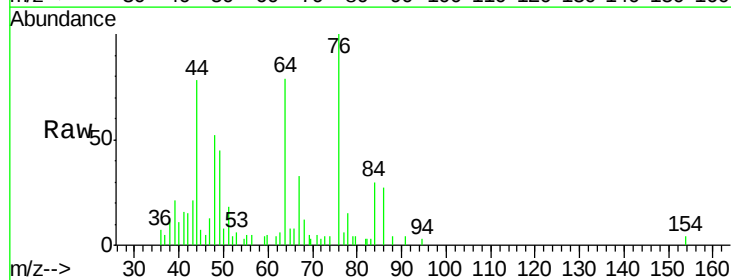
Tgt Ion: 84 Resp: 1830

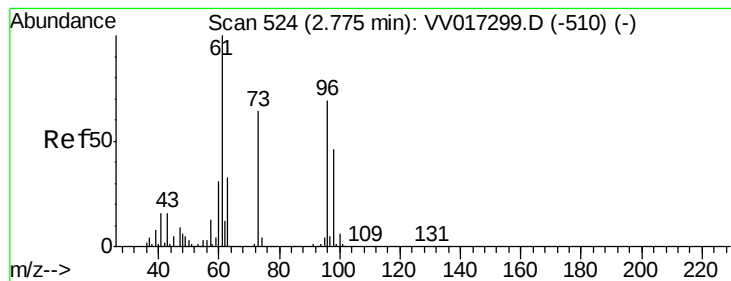
Ion Ratio Lower Upper

84 100

86 89.2 45.8 85.0#

49 148.3 89.6 166.4





#18

trans-1,2-Dichloroethene

Concen: 49.453 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV017307.D

Acq: 02 Jul 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

H4269

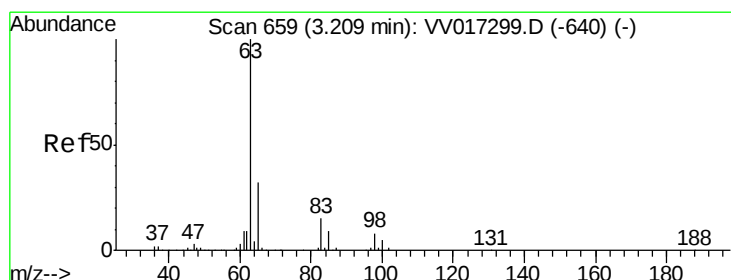
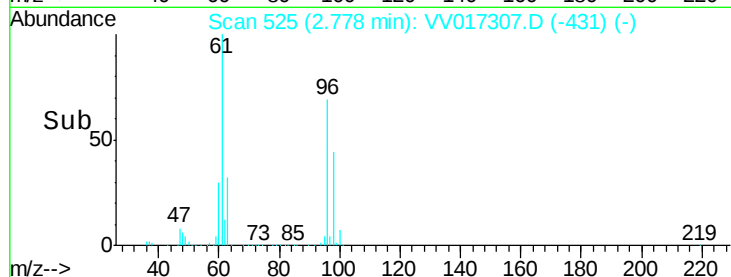
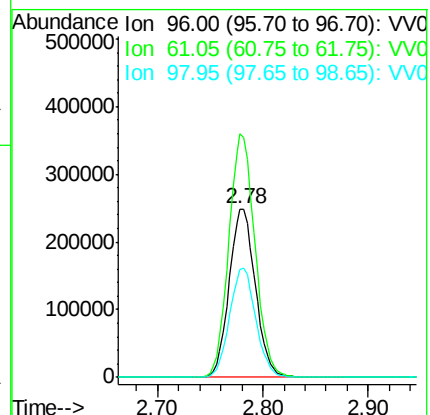
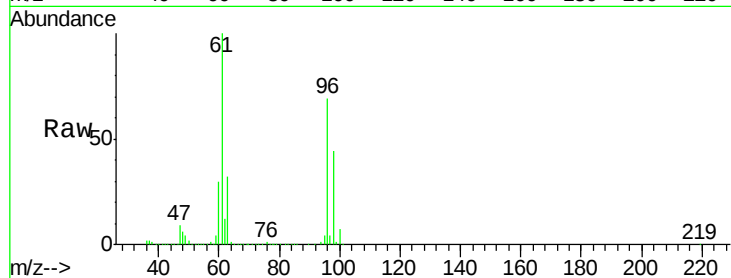
Tot Ion: 96 Resp: 427558

Ion Ratio Lower Upper

96 100

61 144.6 102.3 189.9

98 64.1 44.7 82.9



#19

1,1-Dichloroethane

Concen: 0.784 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017307.D

Acq: 02 Jul 2020 13:48

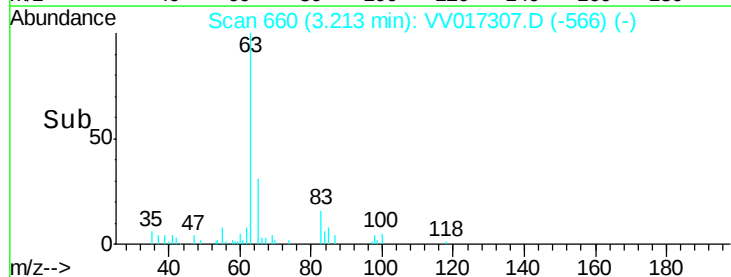
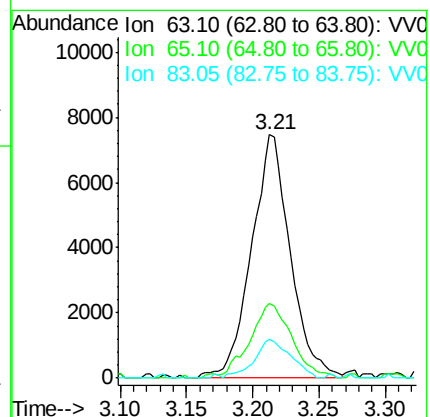
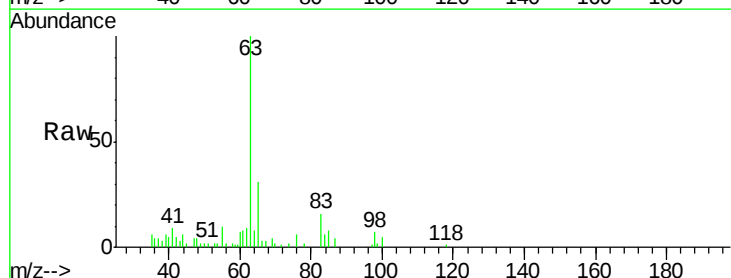
Tgt Ion: 63 Resp: 15226

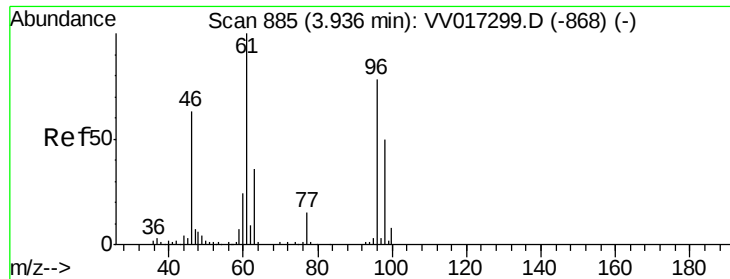
Ion Ratio Lower Upper

63 100

65 30.6 21.8 40.4

83 16.0 9.7 17.9



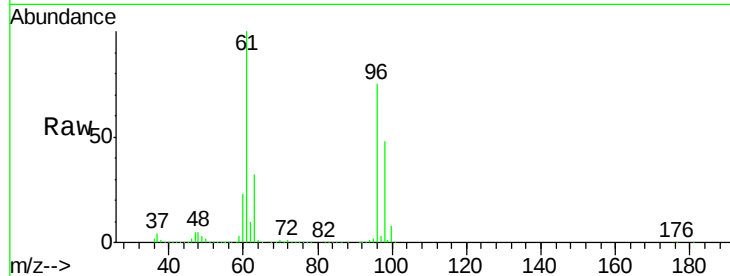


#22

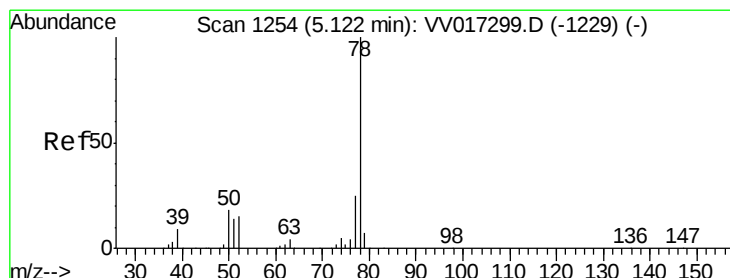
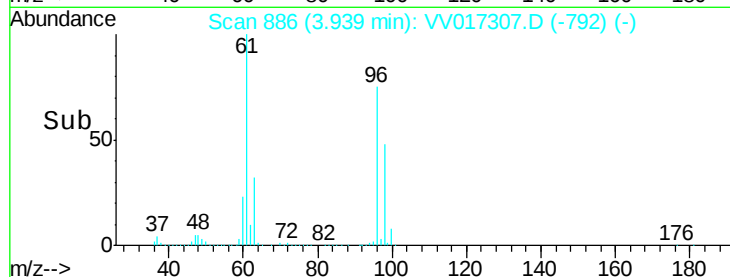
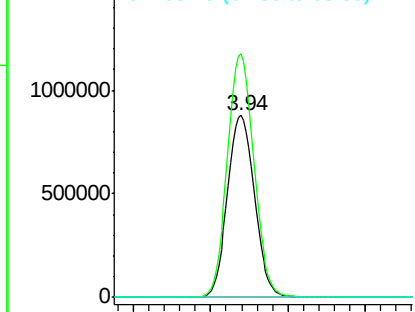
cis-1,2-Dichloroethene
 Concen: 180.114 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017307.D
 Acq: 02 Jul 2020 13:48

Instrument :
 MSVOA_V
 ClientSampleId :
 H4269

Tot Ion: 96 Resp: 2129473
 Ion Ratio Lower Upper
 96 100
 61 133.7 91.0 169.0
 68 0.0 0.0 0.0#



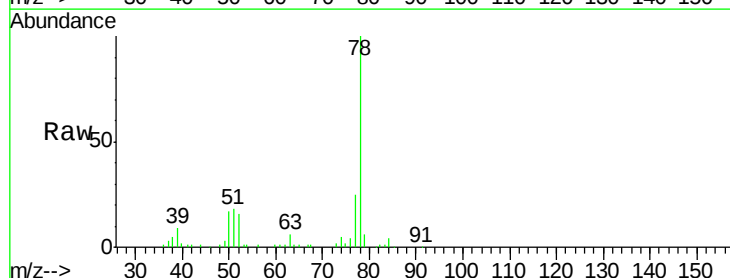
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



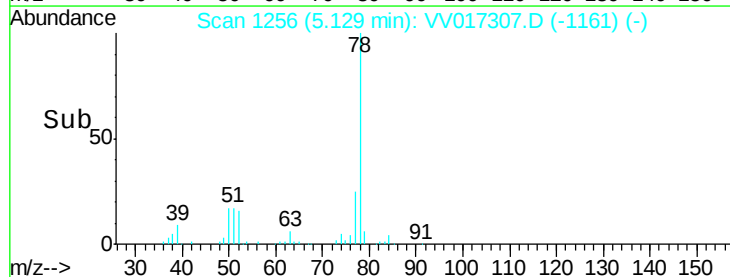
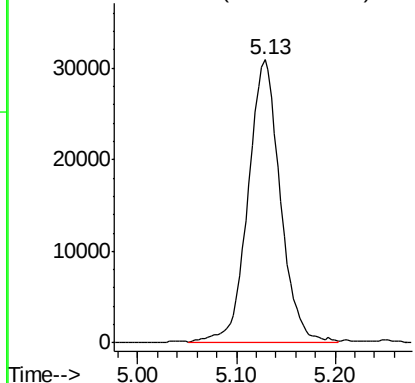
#33

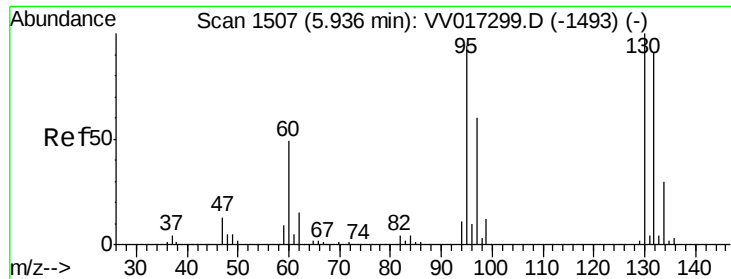
Benzene
 Concen: 1.608 ug/L
 RT: 5.13 min Scan# 1256
 Delta R.T. 0.01 min
 Lab File: VV017307.D
 Acq: 02 Jul 2020 13:48

Tgt Ion: 78 Resp: 68886



Abundance Ion 78.10 (77.80 to 78.80): VV0

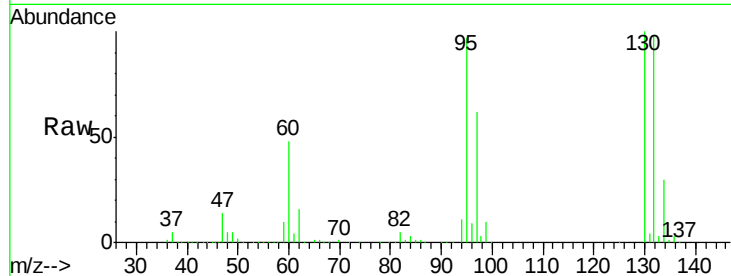




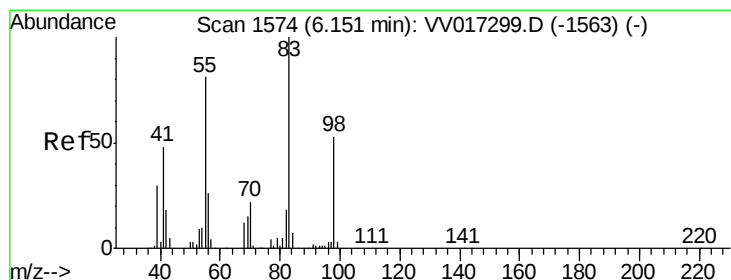
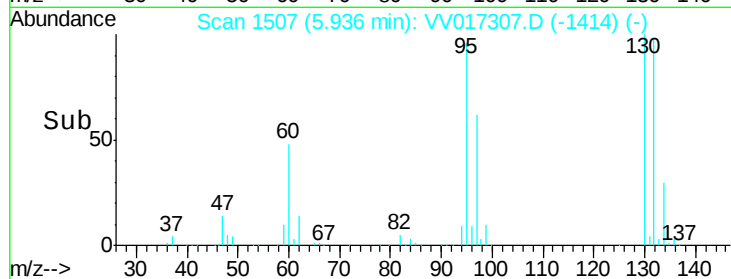
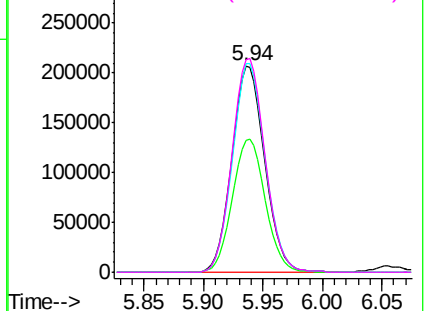
#34
 Trichloroethene
 Concen: 31.481 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV017307.D
 Acq: 02 Jul 2020 13:48

Instrument :
 MSVOA_V
 ClientSampled :
 H4269

Tot Ion:	95	Resp:	395009
Ion	Ratio	Lower	Upper
95	100		
97	64.1	45.3	84.1
132	101.0	68.8	127.8
130	103.3	70.2	130.4

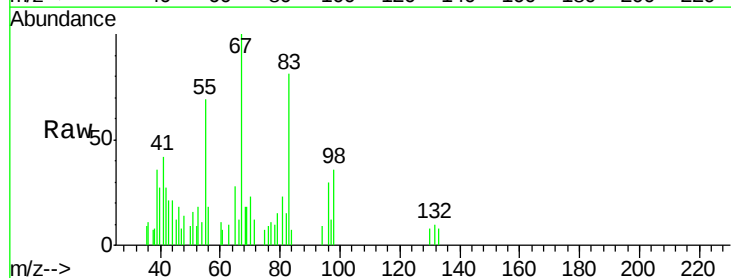


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

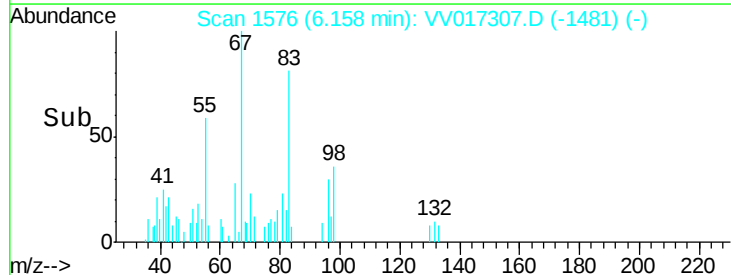
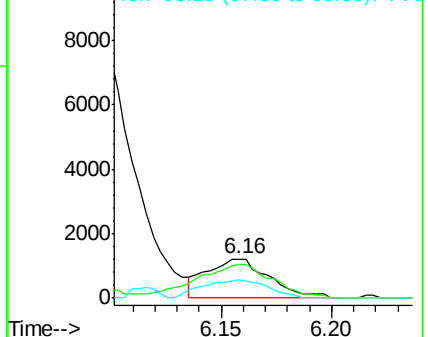


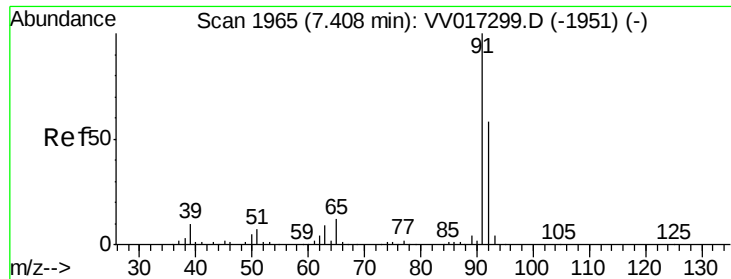
#35
 Methylcyclohexane
 Concen: 0.123 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.01 min
 Lab File: VV017307.D
 Acq: 02 Jul 2020 13:48

Tgt Ion:	83	Resp:	2390
Ion	Ratio	Lower	Upper
83	100		
55	106.5	63.6	95.4#
98	49.3	38.8	58.2



Abundance Ion 83.15 (82.85 to 83.85): VV0
 Ion 55.10 (54.80 to 55.80): VV0
 Ion 98.15 (97.85 to 98.85): VV0





#42

Toluene

Concen: 2.326 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017307.D

Acq: 02 Jul 2020 13:48

Instrument :

MSVOA_V

ClientSampled :

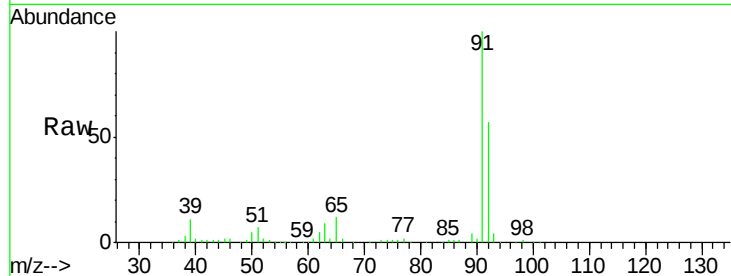
H4269

Tot Ion: 91 Resp: 115885

Ion Ratio Lower Upper

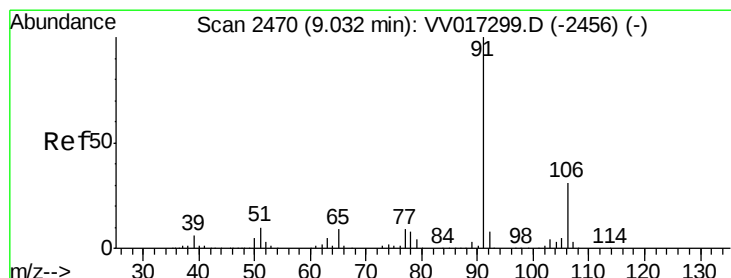
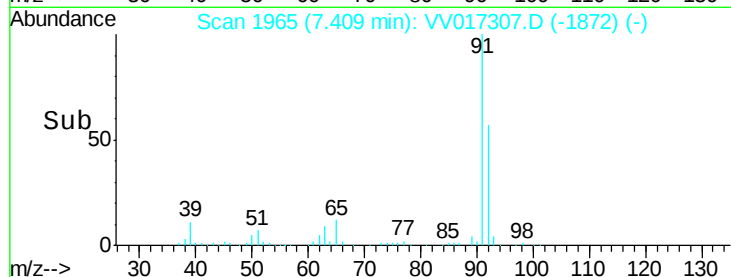
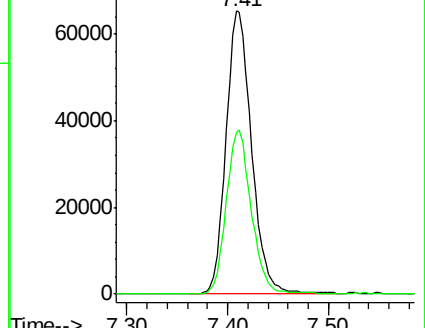
91 100

92 57.1 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017299.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017299.D (-1951) (-)



#54

Ethylbenzene

Concen: 0.592 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017307.D

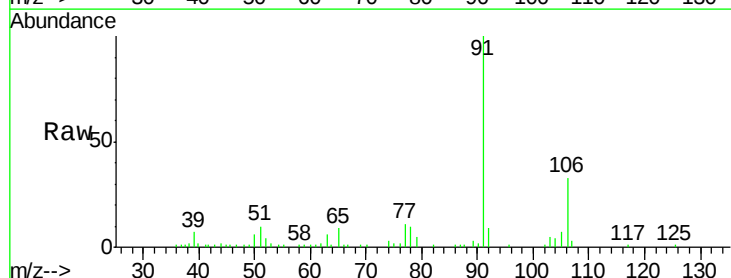
Acq: 02 Jul 2020 13:48

Tgt Ion: 91 Resp: 31468

Ion Ratio Lower Upper

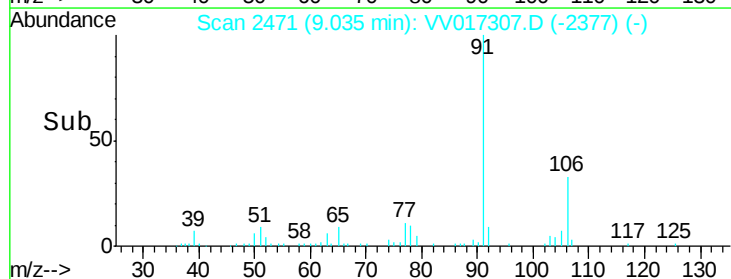
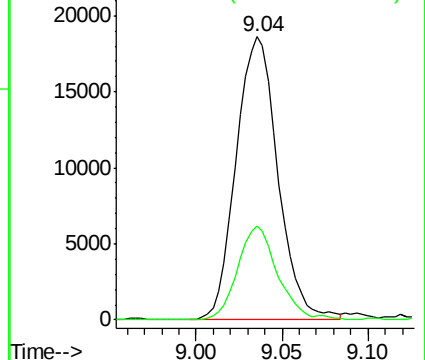
91 100

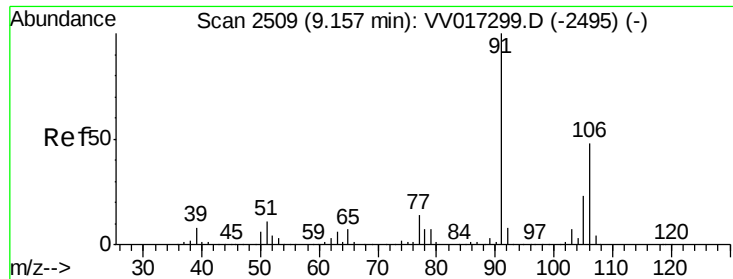
106 33.2 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV017299.D (-2456) (-)

Ion 106.15 (105.85 to 106.85): VV017299.D (-2456) (-)

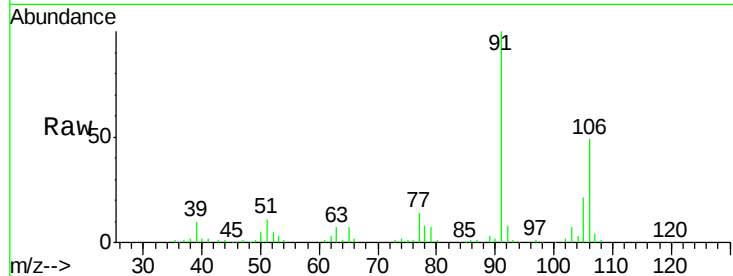




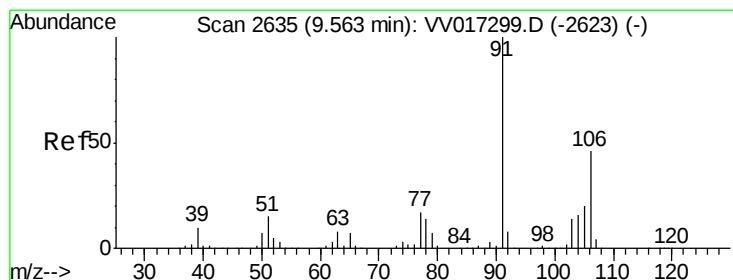
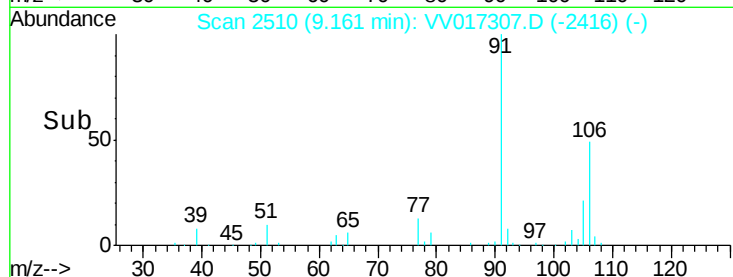
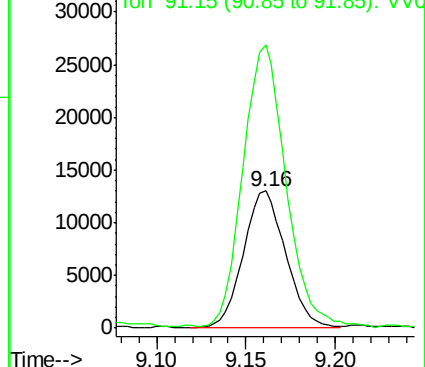
#55
m,p-xylene
Concen: 1.038 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV017307.D
Acq: 02 Jul 2020 13:48

Instrument :
MSVOA_V
ClientSampleId :
H4269

Tot Ion:106 Resp: 21642
Ion Ratio Lower Upper
106 100
91 206.0 142.7 264.9

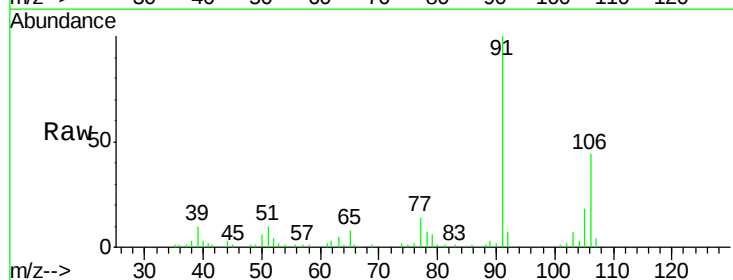


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

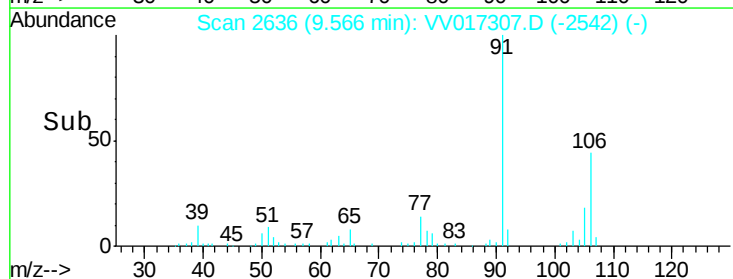
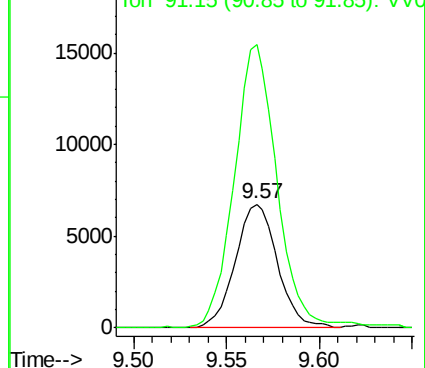


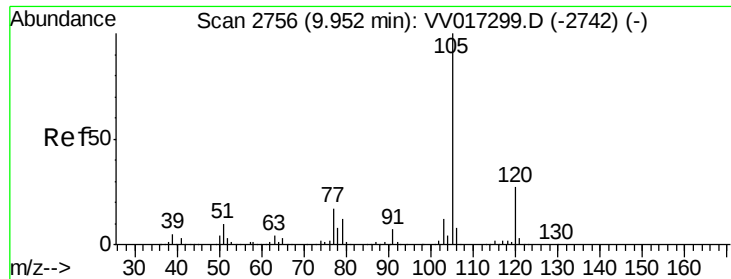
#56
o-xylene
Concen: 0.546 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017307.D
Acq: 02 Jul 2020 13:48

Tgt Ion:106 Resp: 10624
Ion Ratio Lower Upper
106 100
91 228.4 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0





#58

Isopropylbenzene

Concen: 0.060 ug/L

RT: 9.96 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV017307.D

Acq: 02 Jul 2020 13:48

Instrument :

MSVOA_V

ClientSampleId :

H4269

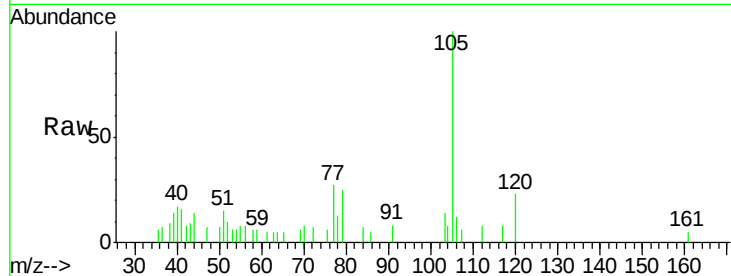
Tot Ion:105 Resp: 3205

Ion Ratio Lower Upper

105 100

120 27.4 21.2 31.8

77 19.5 13.0 19.4#



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V

