

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016309.D
 Acq On : 29 May 2020 05:09
 Operator : SY/MD
 Sample : L2662-12
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B21

Quant Time: May 29 06:54:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri May 29 04:21:25 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	114753	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	108725	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	54698	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	28944	3.93	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	78.60%
7) Chloroethane-d5	1.58	69	21772	3.36	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	67.20%
11) 1,1-Dichloroethene-d2	2.12	63	42616	3.08	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	61.60%
20) 2-Butanone-d5	3.98	46	74053	40.51	ug/L	0.05
Spiked Amount	50.000	Range	40 - 130	Recovery	=	81.02%
24) Chloroform-d	4.38	84	59538	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.20%
26) 1,2-Dichloroethane-d4	5.06	65	32893	4.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	84.60%
32) Benzene-d6	5.07	84	123776	4.60	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	92.00%
36) 1,2-Dichloropropane-d6	6.10	67	37743	4.53	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	90.60%
41) Toluene-d8	7.34	98	114023	4.44	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.80%
45) trans-1,3-Dichloropropene-	7.65	79	11902	3.83	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	76.60%
48) 2-Hexanone-d5	8.12	63	72054	50.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	101.16%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	26451	4.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	86.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	42356	4.64	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	92.80%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	141764	14.106	ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	4180	0.564	ug/L	89
19) 1,1-Dichloroethane	3.21	63	2081	0.148	ug/L #	86
22) cis-1,2-Dichloroethene	3.94	96	84002	9.589	ug/L	94
27) 1,2-Dichloroethane	5.16	62	32021	3.289	ug/L	98
33) Benzene	5.12	78	144741	4.626	ug/L	100
34) Trichloroethene	5.94	95	3525	0.432	ug/L	97
42) Toluene	7.41	91	36459	1.069	ug/L	99
53) Chlorobenzene	8.90	112	165863	7.867	ug/L	99
54) Ethylbenzene	9.04	91	39130	1.029	ug/L	99
55) m,p-xylene	9.16	106	11182	0.784	ug/L	99
56) o-xylene	9.57	106	43465	3.198	ug/L	97
58) Isopropylbenzene	9.95	105	25631	0.688	ug/L	99
63) 1,3-Dichlorobenzene	11.21	146	4803	0.288	ug/L	90
64) 1,4-Dichlorobenzene	11.30	146	32259	1.902	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	162304	10.757	ug/L	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
Data File : VV016309.D
Acq On : 29 May 2020 05:09
Operator : SY/MD
Sample : L2662-12
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9B21

Quant Time: May 29 06:54:41 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration

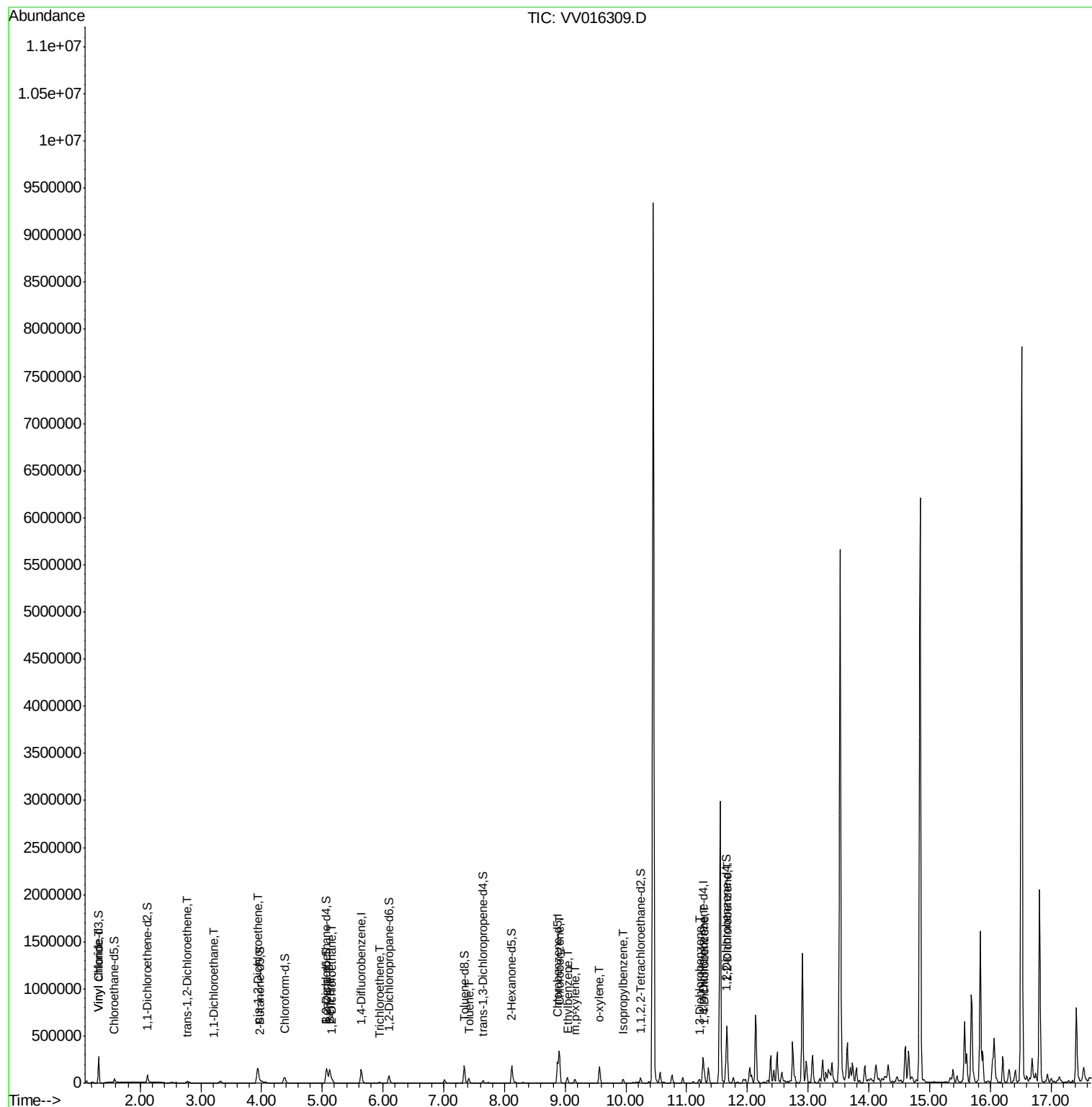
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
--------------------	------	------	----------	------	-------	----------

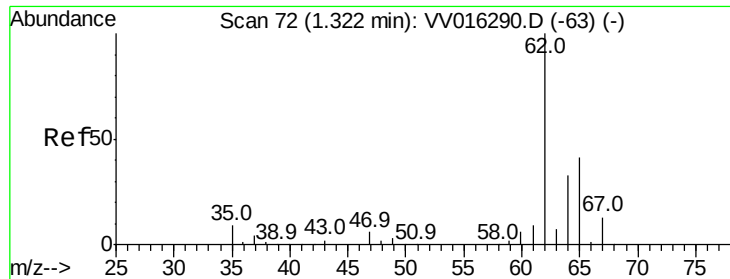
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA V\DATA\VV052820\
Data File : VV016309.D
Acq On : 29 May 2020 05:09
Operator : SY/MD
Sample : L2662-12
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 48 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
F9B21

Quant Time: May 29 06:54:41 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR052620WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri May 29 04:21:25 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 14.106 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

Instrument :

MSVOA_V

ClientSampled :

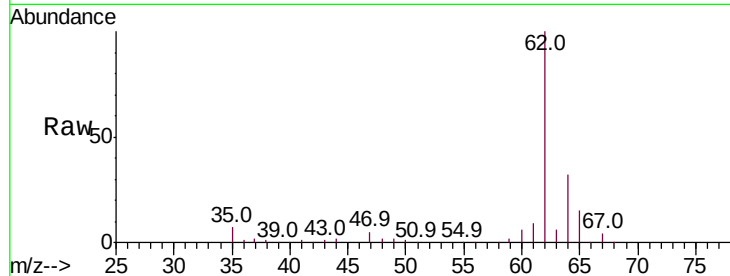
F9B21

Tot Ion: 62 Resp: 141764

Ion Ratio Lower Upper

62 100

64 32.5 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

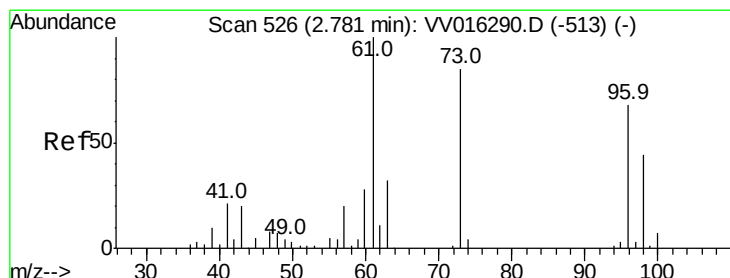
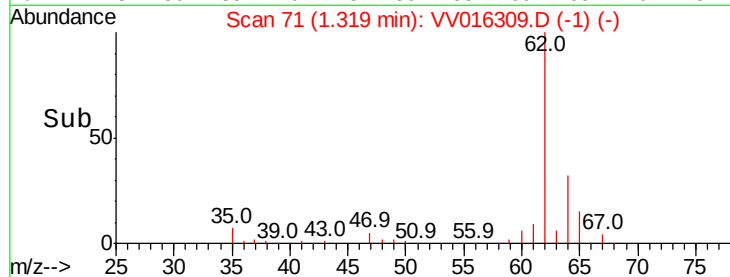
150000

100000

50000

0

Time-->



#18

trans-1,2-Dichloroethene

Concen: 0.564 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.01 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

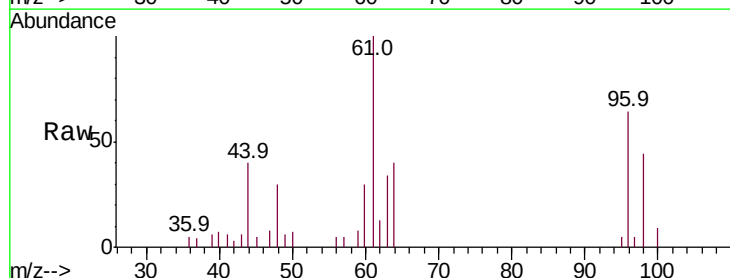
Tgt Ion: 96 Resp: 4180

Ion Ratio Lower Upper

96 100

61 157.2 99.8 185.4

98 69.7 44.0 81.6



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

4000

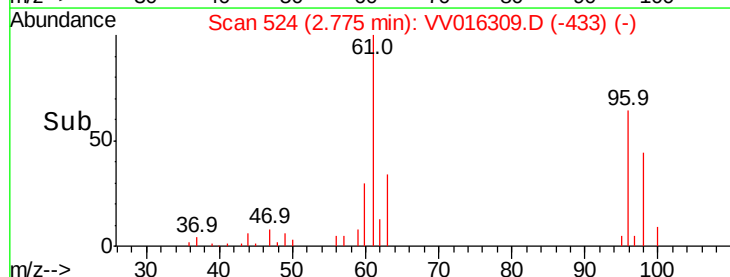
3000

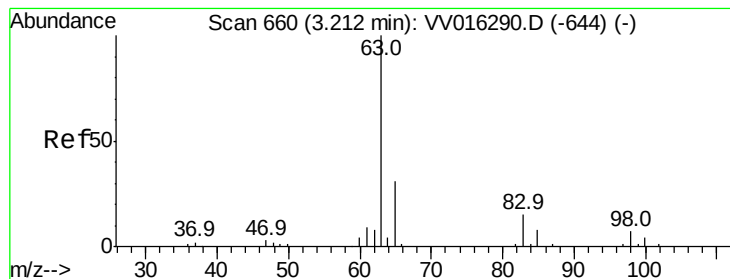
2000

1000

0

Time-->





#19

1,1-Dichloroethane

Concen: 0.148 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

Instrument :

MSVOA_V

ClientSampleId :

F9B21

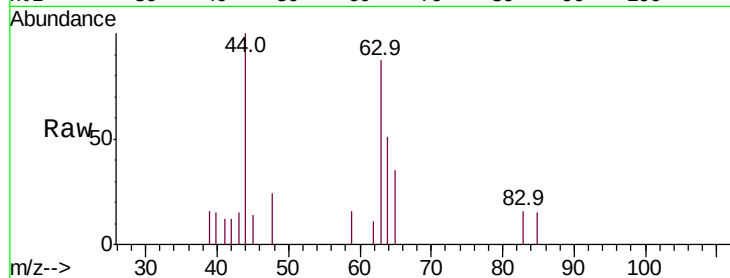
Tot Ion: 63 Resp: 2081

Ion Ratio Lower Upper

63 100

65 40.5 22.3 41.5

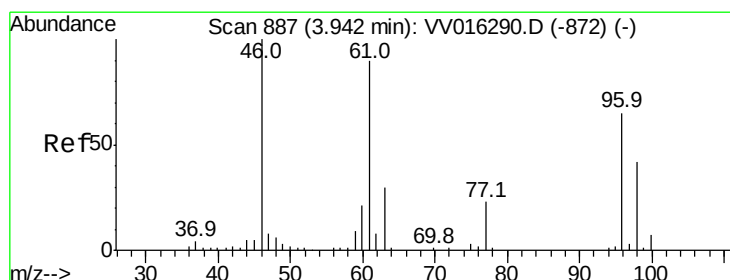
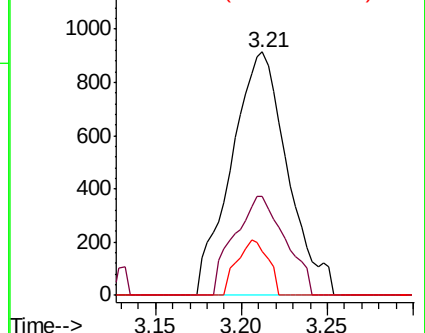
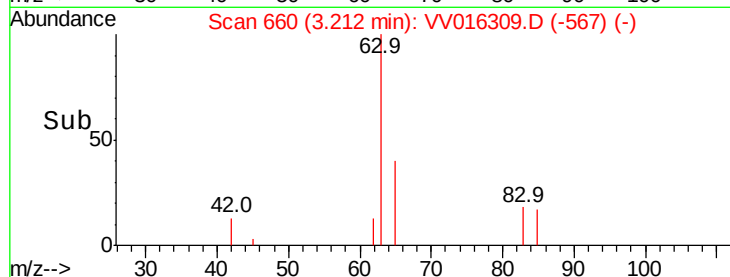
83 18.1 9.4 17.4#



Abundance Ion 63.10 (62.80 to 63.80): VV016309.D (-567) (-)

Ion 65.10 (64.80 to 65.80): VV016309.D (-567) (-)

Ion 83.05 (82.75 to 83.75): VV016309.D (-567) (-)



#22

cis-1,2-Dichloroethene

Concen: 9.589 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.01 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

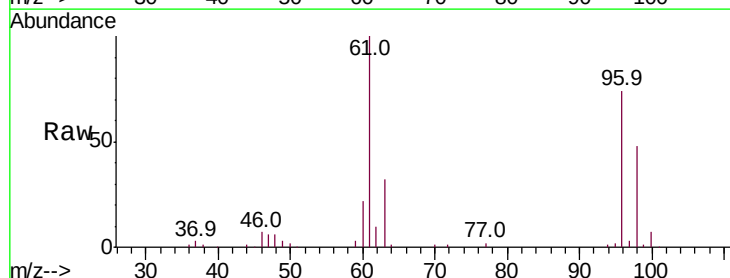
Tgt Ion: 96 Resp: 84002

Ion Ratio Lower Upper

96 100

61 135.2 99.7 185.1

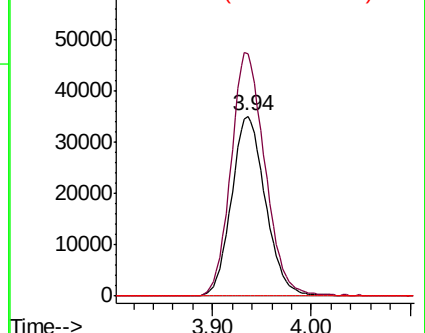
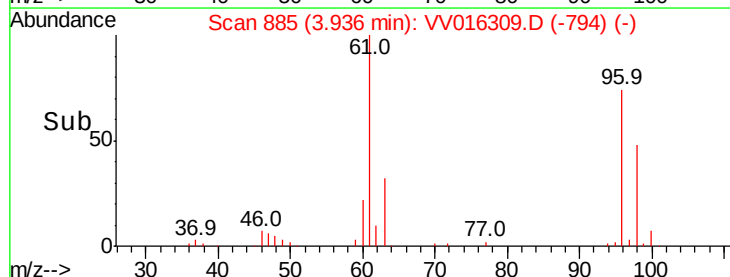
68 0.0 0.0 0.0

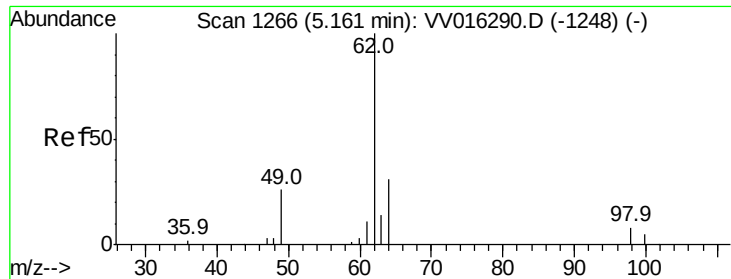


Abundance Ion 96.00 (95.70 to 96.70): VV016309.D (-794) (-)

Ion 61.05 (60.75 to 61.75): VV016309.D (-794) (-)

Ion 68.15 (67.85 to 68.85): VV016309.D (-794) (-)

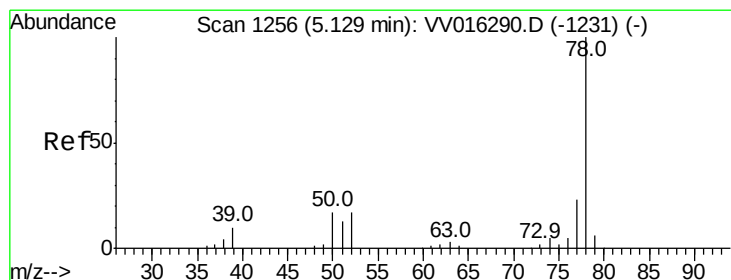
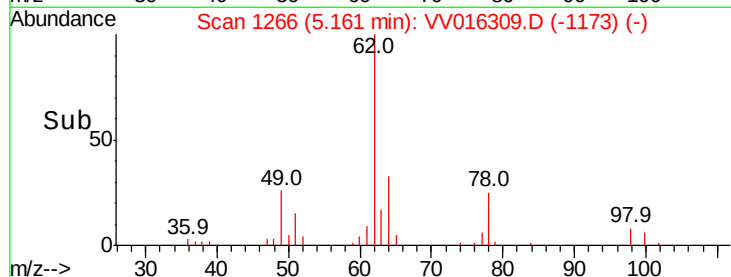
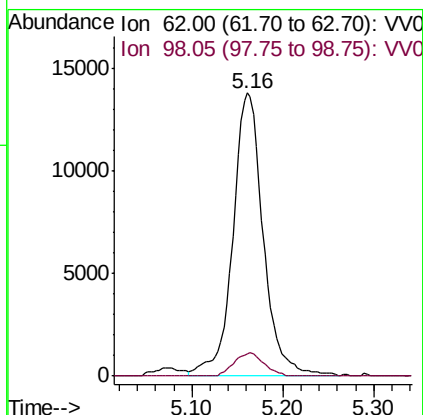
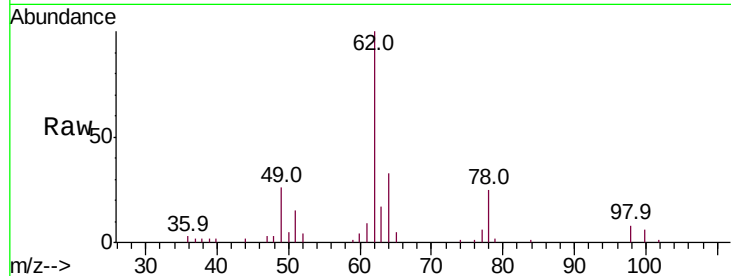




#27
 1,2-Dichloroethane
 Concen: 3.289 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.00 min
 Lab File: VV016309.D
 Acq: 29 May 2020 05:09

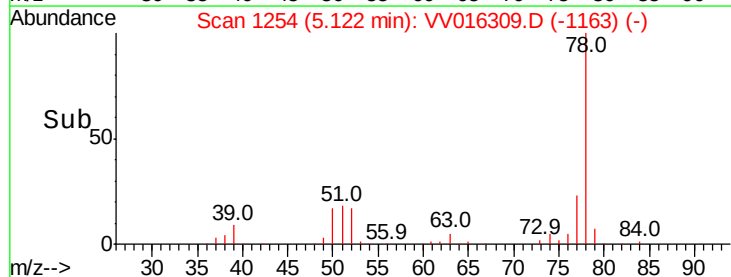
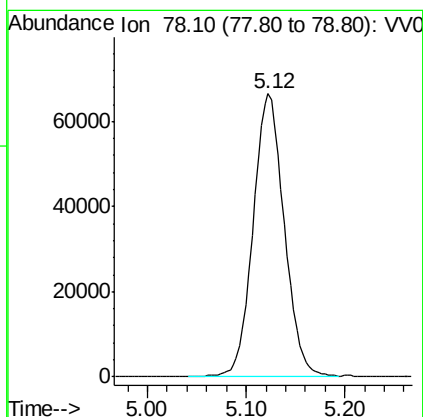
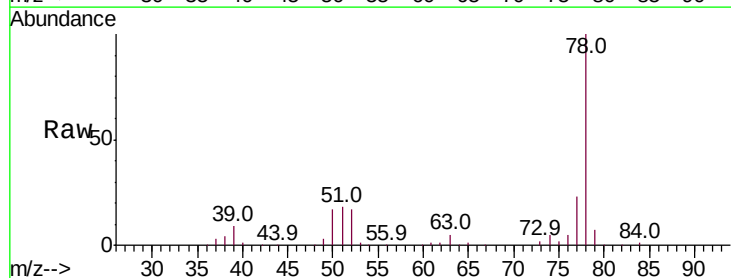
Instrument :
 MSVOA_V
 ClientSampleId :
 F9B21

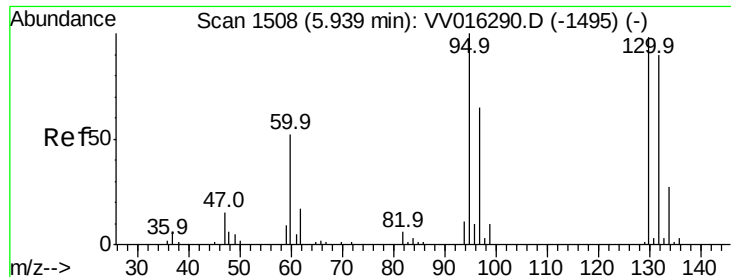
Tot Ion: 62 Resp: 32021
 Ion Ratio Lower Upper
 62 100
 98 7.8 5.7 8.5



#33
 Benzene
 Concen: 4.626 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. -0.01 min
 Lab File: VV016309.D
 Acq: 29 May 2020 05:09

Tgt Ion: 78 Resp: 144741





#34

Trichloroethene

Concen: 0.432 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

Instrument :

MSVOA_V

ClientSampled :

F9B21

Tot Ion: 95 Resp: 3525

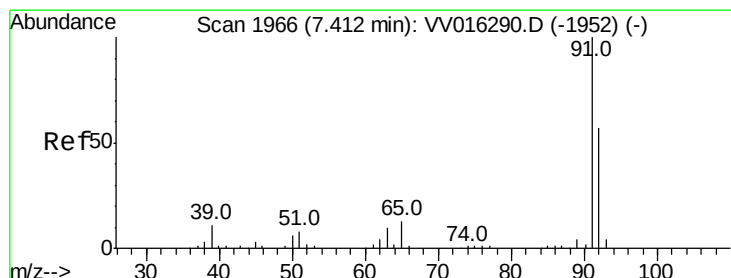
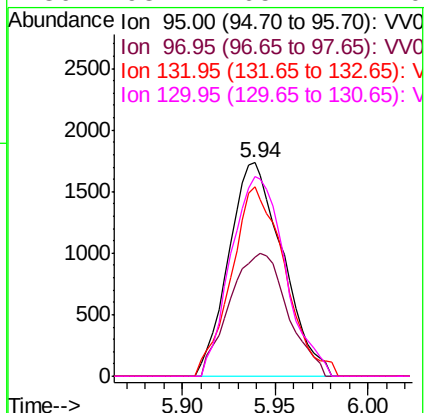
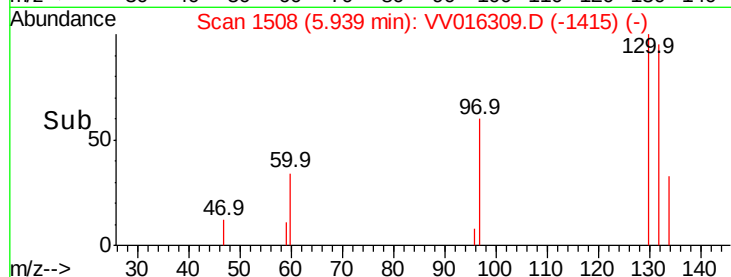
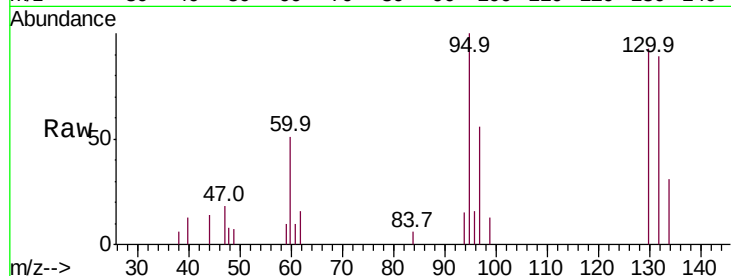
Ion Ratio Lower Upper

95 100

97 55.7 43.6 81.0

132 88.9 63.9 118.7

130 93.4 65.2 121.0



#42

Toluene

Concen: 1.069 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016309.D

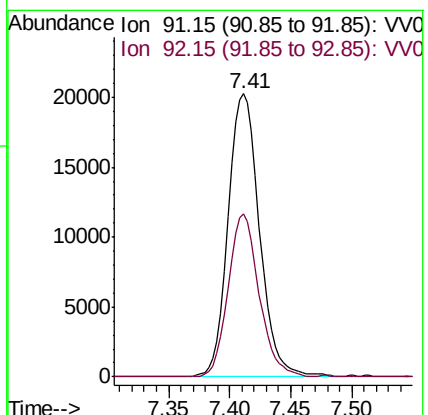
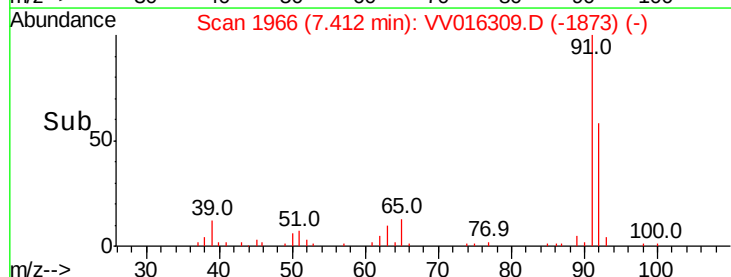
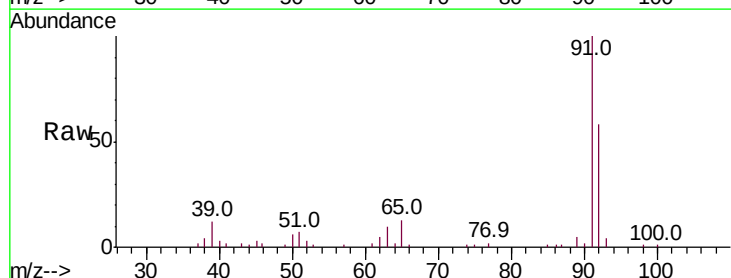
Acq: 29 May 2020 05:09

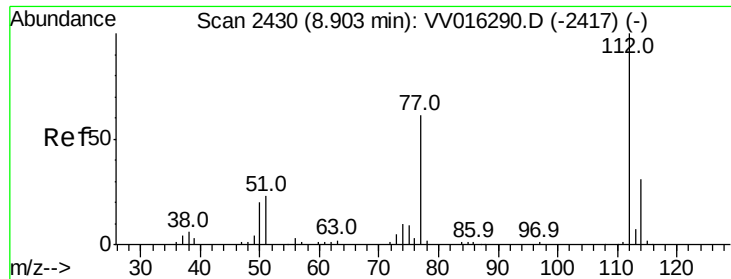
Tgt Ion: 91 Resp: 36459

Ion Ratio Lower Upper

91 100

92 57.6 40.9 76.0

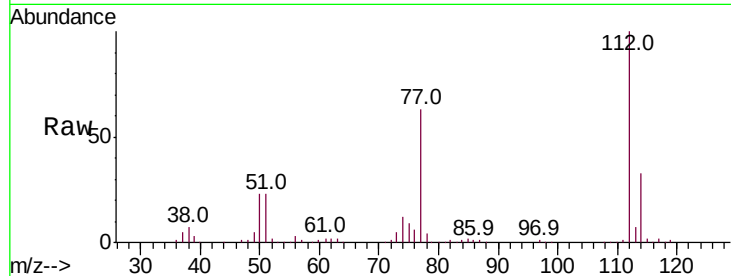




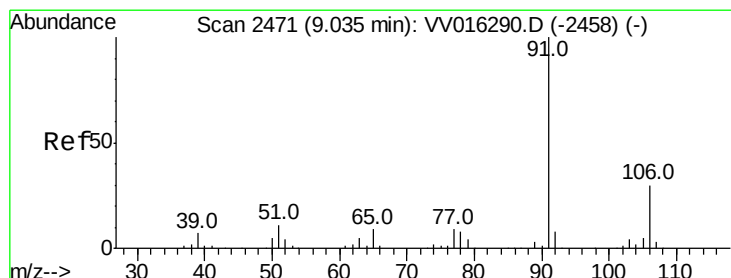
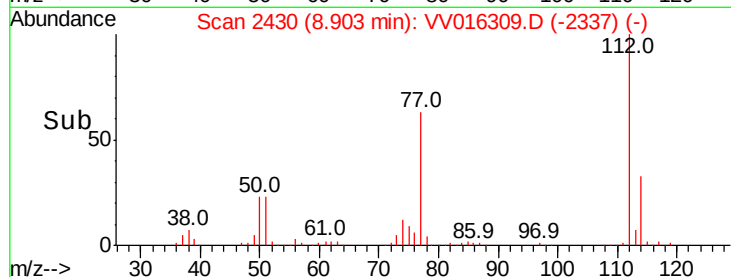
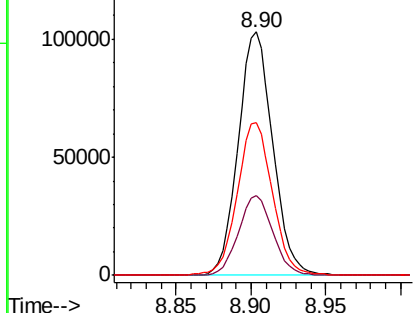
#53
Chlorobenzene
Concen: 7.867 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV016309.D
Acq: 29 May 2020 05:09

Instrument :
MSVOA_V
ClientSampleId :
F9B21

Tot Ion:112 Resp: 165863
Ion Ratio Lower Upper
112 100
114 32.7 22.3 41.3
77 62.7 50.7 76.1

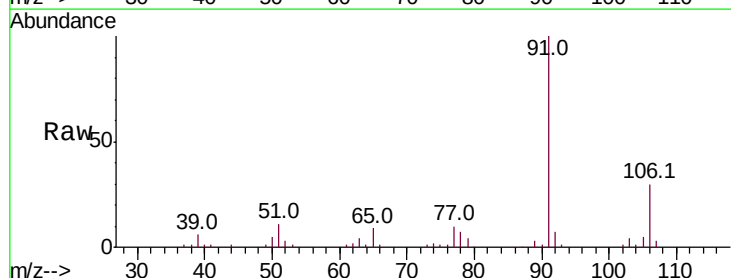


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V

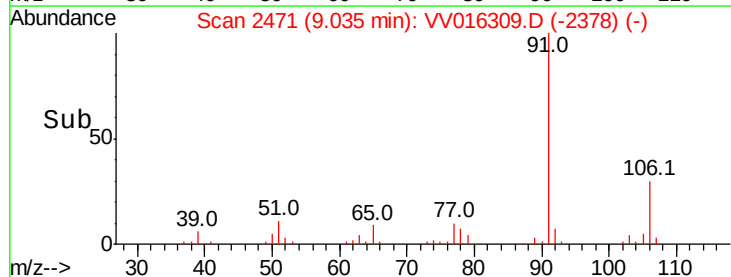
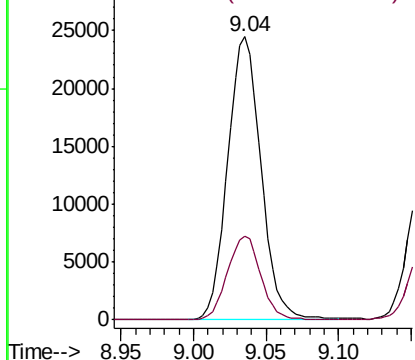


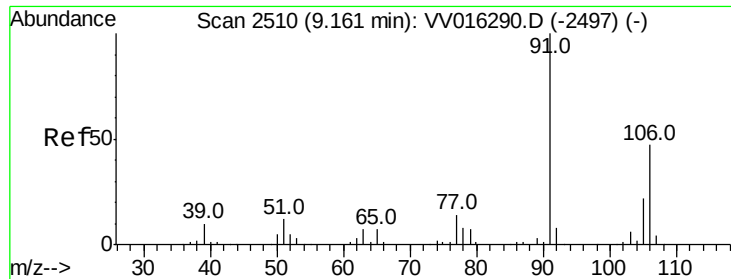
#54
Ethylbenzene
Concen: 1.029 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016309.D
Acq: 29 May 2020 05:09

Tgt Ion: 91 Resp: 39130
Ion Ratio Lower Upper
91 100
106 29.7 21.0 39.0



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

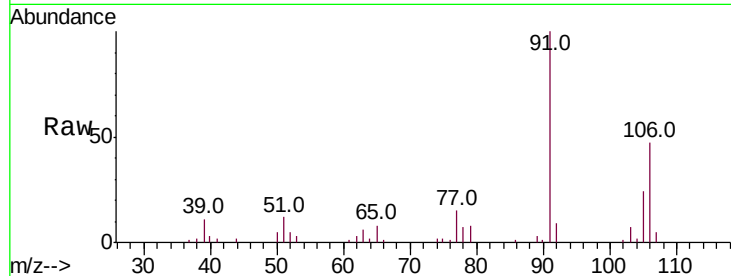




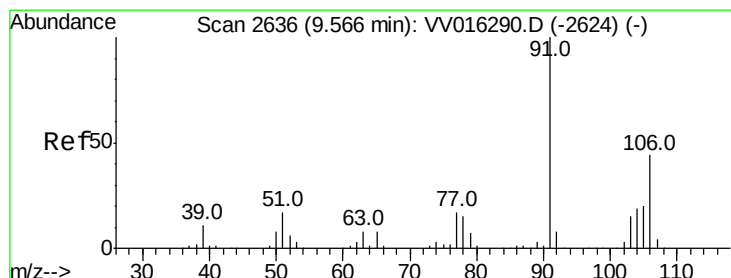
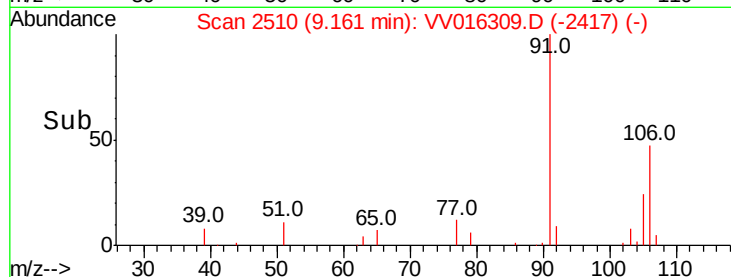
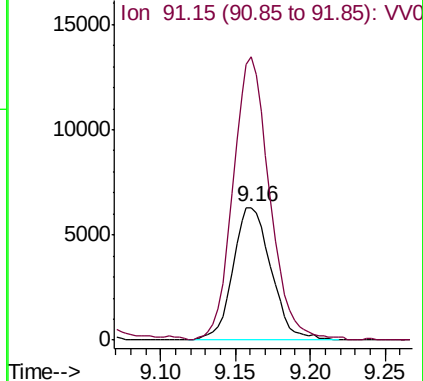
#55
m,p-xylene
Concen: 0.784 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV016309.D
Acq: 29 May 2020 05:09

Instrument :
MSVOA_V
ClientSampleId :
F9B21

Tot Ion:106 Resp: 11182
Ion Ratio Lower Upper
106 100
91 213.0 148.1 275.0

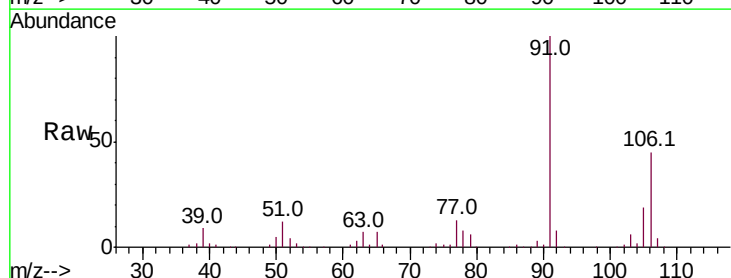


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

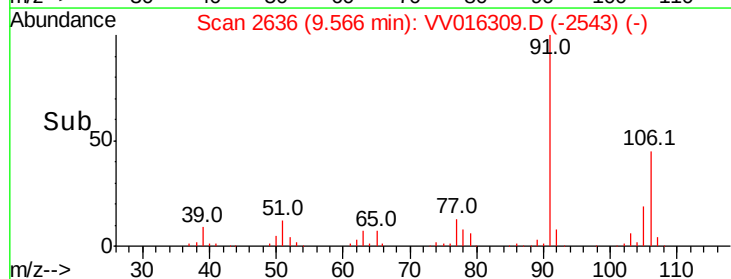
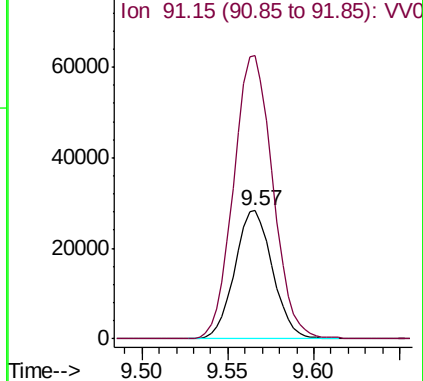


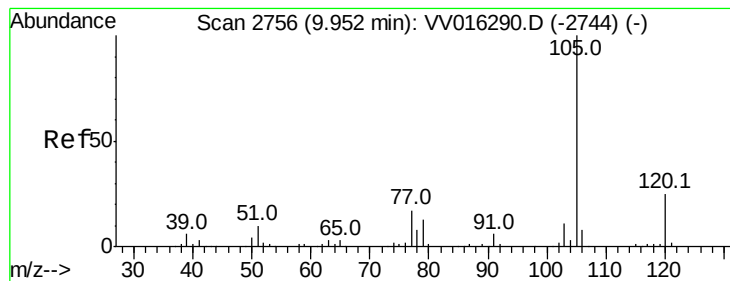
#56
o-xylene
Concen: 3.198 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV016309.D
Acq: 29 May 2020 05:09

Tgt Ion:106 Resp: 43465
Ion Ratio Lower Upper
106 100
91 221.2 158.8 294.8



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





#58

Isopropylbenzene

Concen: 0.688 ug/L

RT: 9.95 min Scan# 2757

Delta R.T. 0.00 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

Instrument :

MSVOA_V

ClientSampleId :

F9B21

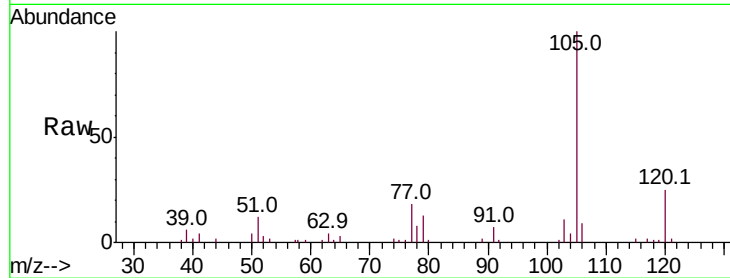
Tot Ion:105 Resp: 25631

Ion Ratio Lower Upper

105 100

120 25.6 20.9 31.3

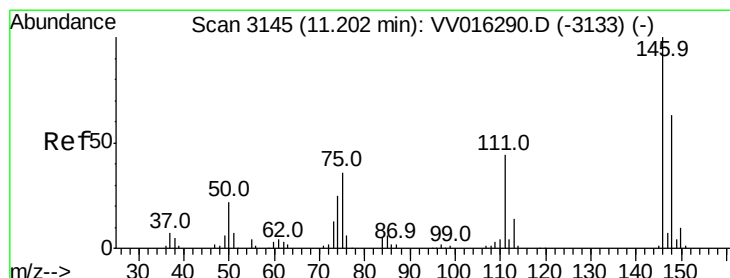
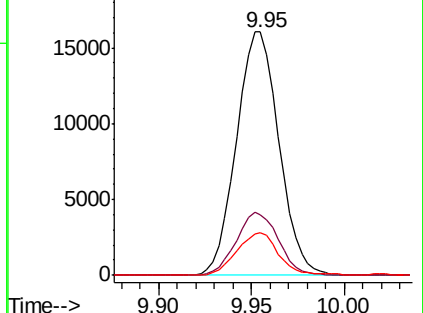
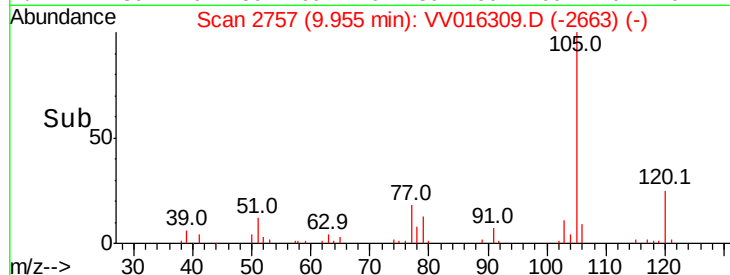
77 17.3 13.9 20.9



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



#63

1,3-Dichlorobenzene

Concen: 0.288 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

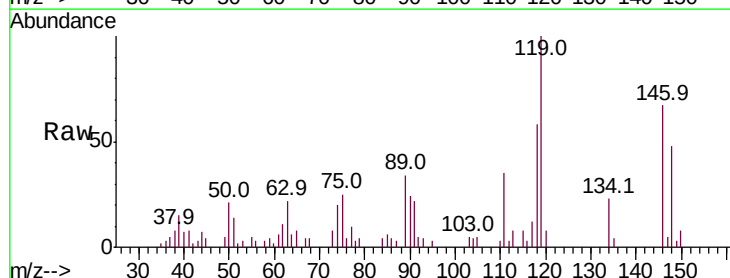
Tgt Ion:146 Resp: 4803

Ion Ratio Lower Upper

146 100

111 51.4 29.7 55.1

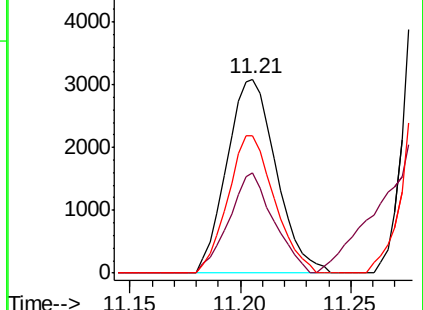
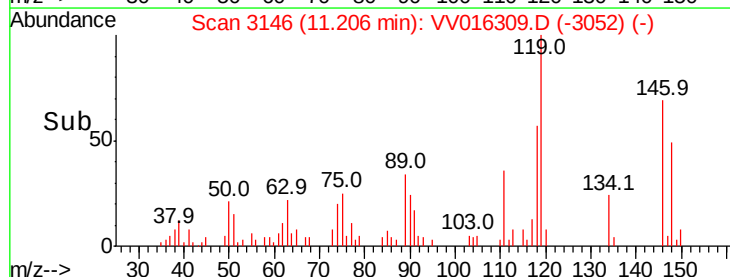
148 71.1 45.9 85.3

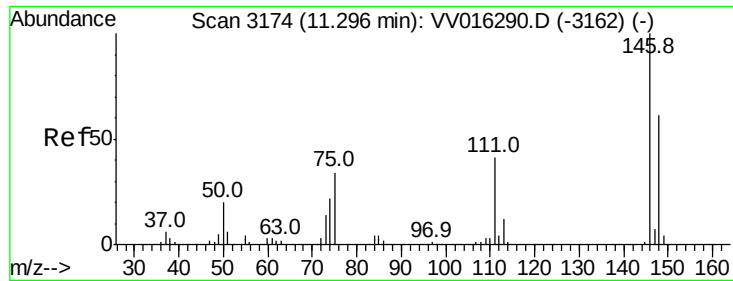


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 1.902 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

Instrument :

MSVOA_V

ClientSampled :

F9B21

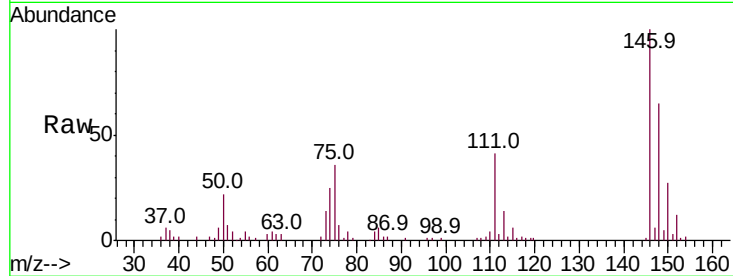
Tot Ion:146 Resp: 32259

Ion Ratio Lower Upper

146 100

111 40.9 28.3 52.7

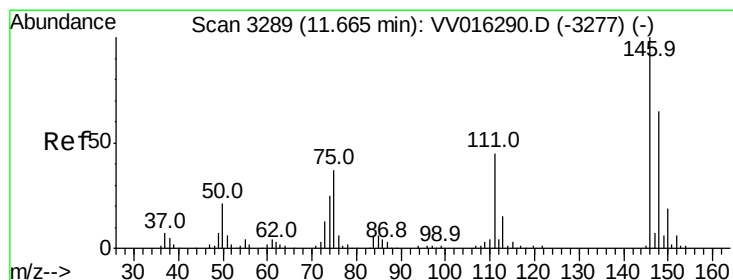
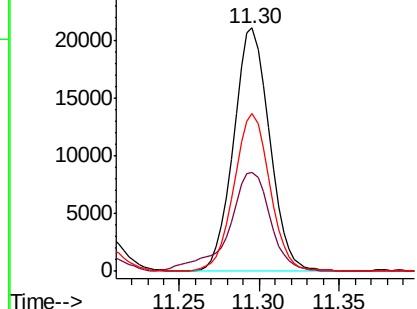
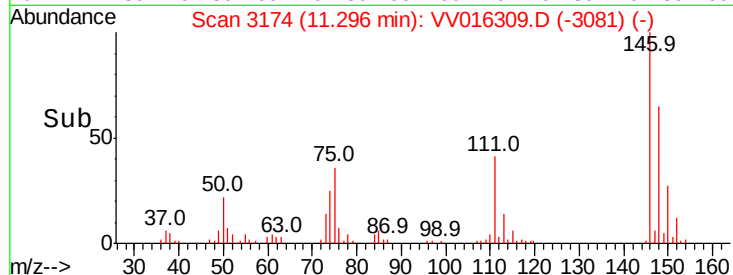
148 64.7 43.3 80.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 10.757 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016309.D

Acq: 29 May 2020 05:09

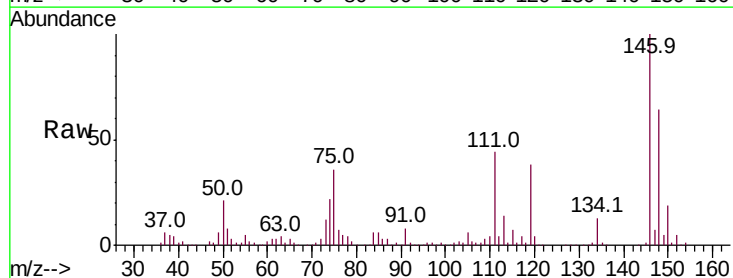
Tgt Ion:146 Resp: 162304

Ion Ratio Lower Upper

146 100

111 44.5 35.7 53.5

148 64.0 51.3 76.9



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

