

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV052820\
 Data File : VV016300.D
 Acq On : 29 May 2020 01:30
 Operator : SY/MD
 Sample : L2662-03
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B07

Quant Time: May 29 05:50:16 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	86405	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	81960	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	37251	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20630	3.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	74.40%
7) Chloroethane-d5	1.58	69	19795	4.06	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	81.20%
11) 1,1-Dichloroethene-d2	2.13	63	33419	3.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	64.20%
20) 2-Butanone-d5	3.94	46	70665	51.34	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	102.68%
24) Chloroform-d	4.38	84	44081	3.99	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.80%
26) 1,2-Dichloroethane-d4	5.06	65	27334	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.40%
32) Benzene-d6	5.08	84	92573	4.56	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	91.20%
36) 1,2-Dichloropropane-d6	6.10	67	30008	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.60%
41) Toluene-d8	7.34	98	82713	4.27	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.40%
45) trans-1,3-Dichloropropene-	7.64	79	9022	3.85	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	77.00%
48) 2-Hexanone-d5	8.12	63	49424	46.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.06%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	21148	4.56	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	91.20%
65) 1,2-Dichlorobenzene-d4	11.65	152	29355	4.72	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	94.40%

Target Compounds

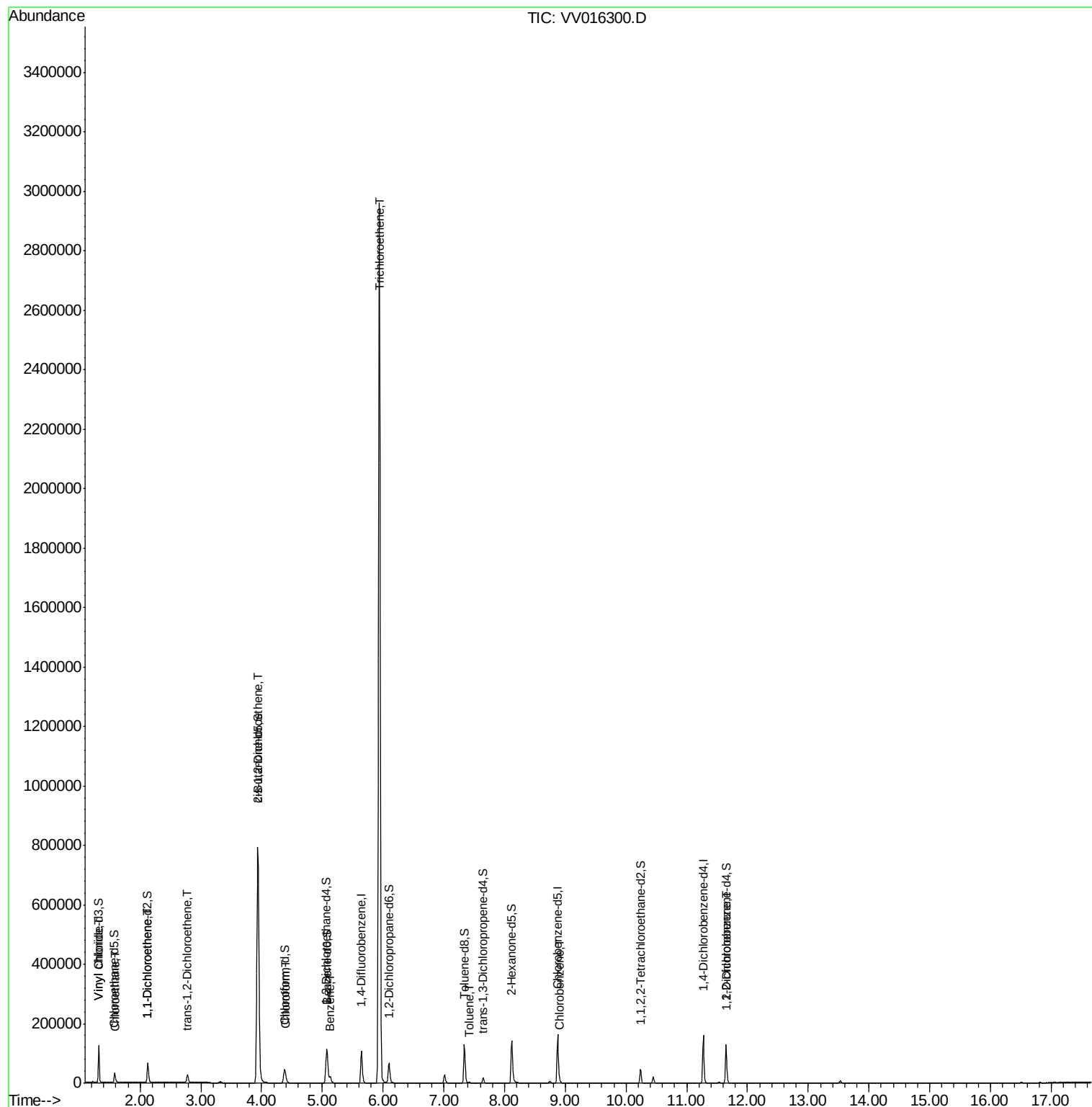
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	58616	7.746	ug/L	97
8) Chloroethane	1.60	64	4923	1.164	ug/L	89
12) 1,1-Dichloroethene	2.14	96	4447	0.873	ug/L #	1
18) trans-1,2-Dichloroethene	2.78	96	8698	1.560	ug/L	93
22) cis-1,2-Dichloroethene	3.94	96	403589	61.185	ug/L	97
25) Chloroform	4.40	83	5012	0.447	ug/L	100
33) Benzene	5.13	78	20629	0.875	ug/L	100
34) Trichloroethene	5.94	95	1009122	164.237	ug/L	98
42) Toluene	7.41	91	3177	0.124	ug/L	96
53) Chlorobenzene	8.91	112	5080	0.320	ug/L	99
66) 1,2-Dichlorobenzene	11.67	146	2639	0.257	ug/L	92

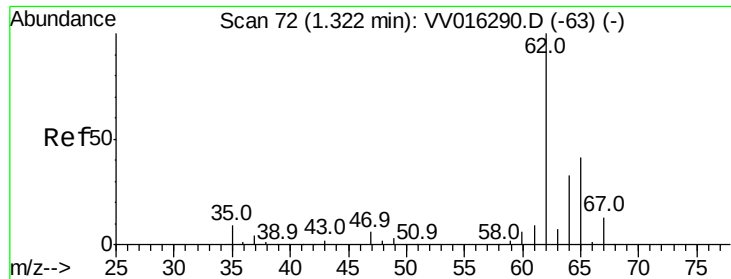
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 7.746 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV016300.D

Acq: 29 May 2020 01:30

Instrument :

MSVOA_V

ClientSampleId :

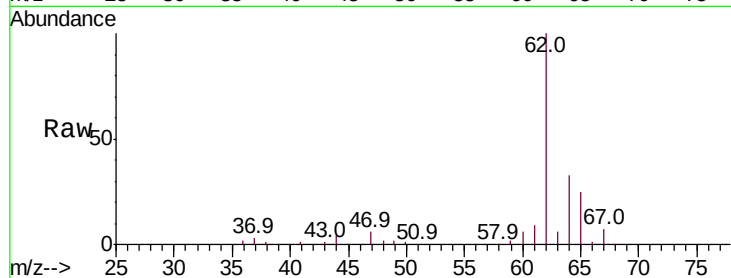
F9B07

Tot Ion: 62 Resp: 58616

Ion Ratio Lower Upper

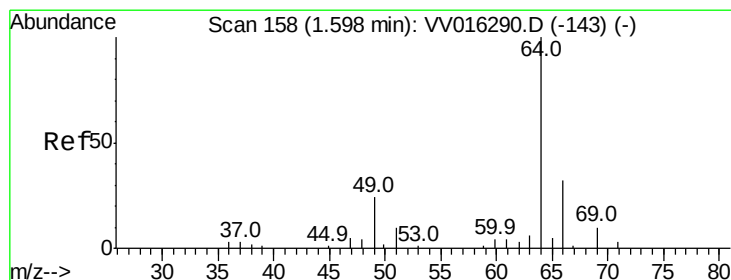
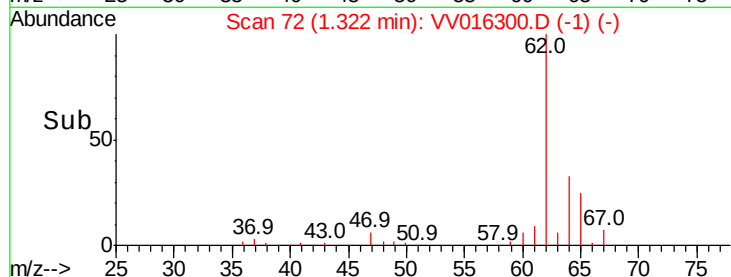
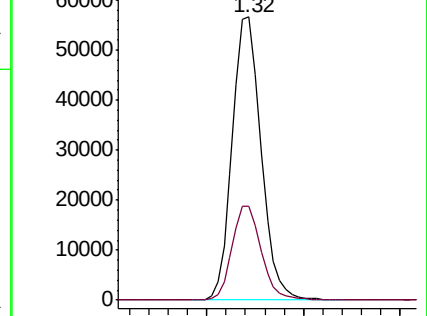
62 100

64 33.1 22.1 41.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#8

Chloroethane

Concen: 1.164 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV016300.D

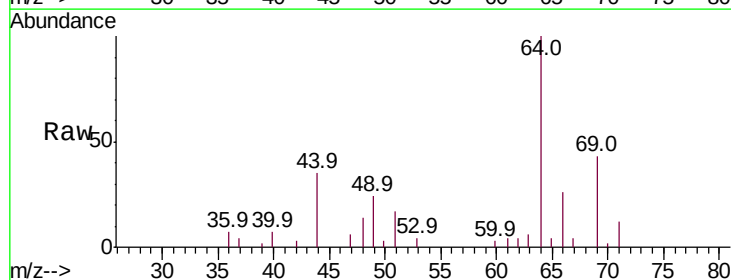
Acq: 29 May 2020 01:30

Tgt Ion: 64 Resp: 4923

Ion Ratio Lower Upper

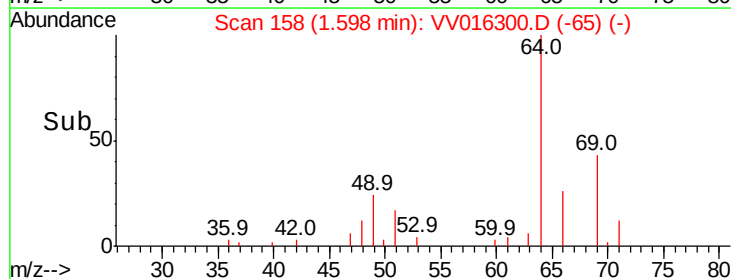
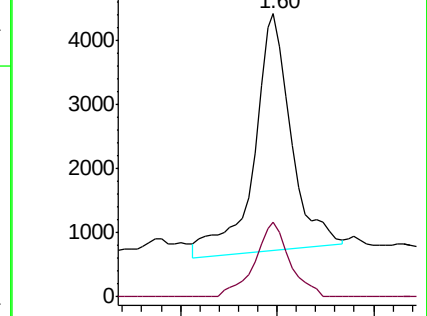
64 100

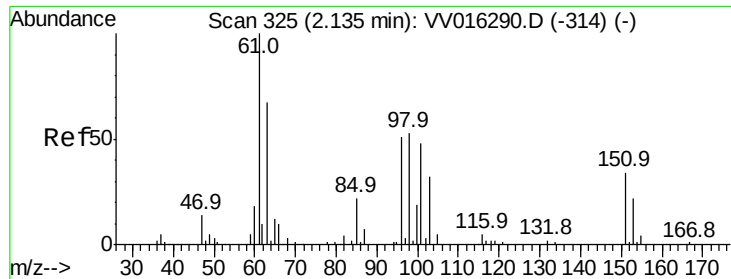
66 26.3 22.9 42.5



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

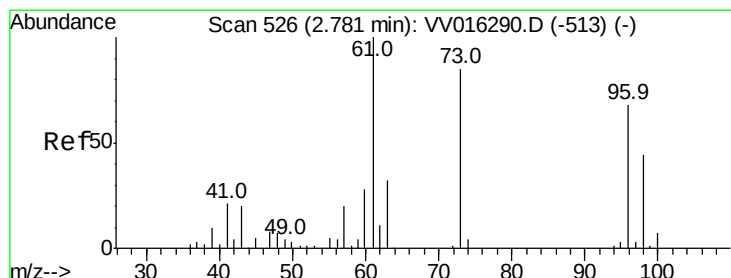
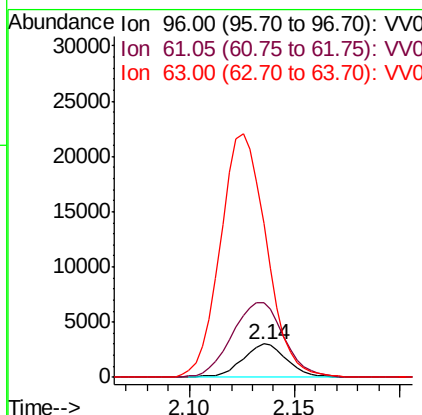
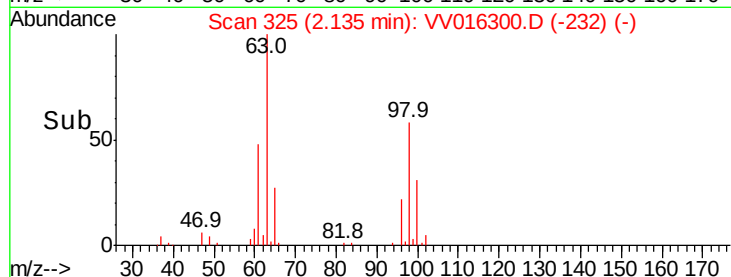
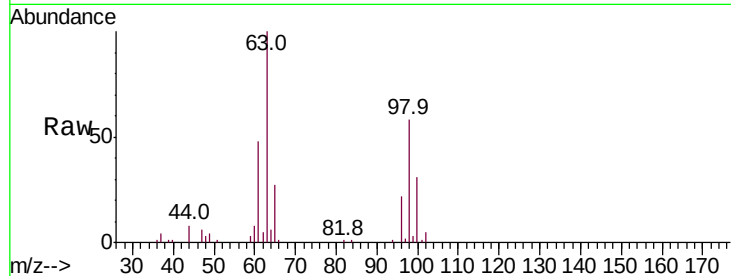




#12
 1,1-Dichloroethene
 Concen: 0.873 ug/L
 RT: 2.14 min Scan# 325
 Delta R.T. -0.00 min
 Lab File: VV016300.D
 Acq: 29 May 2020 01:30

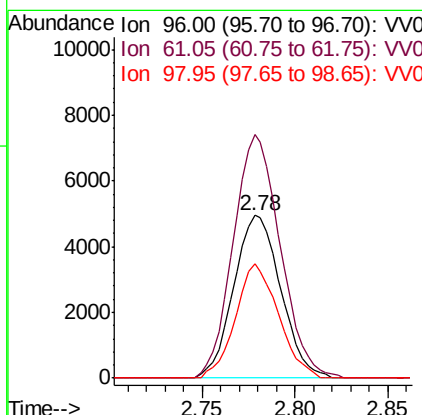
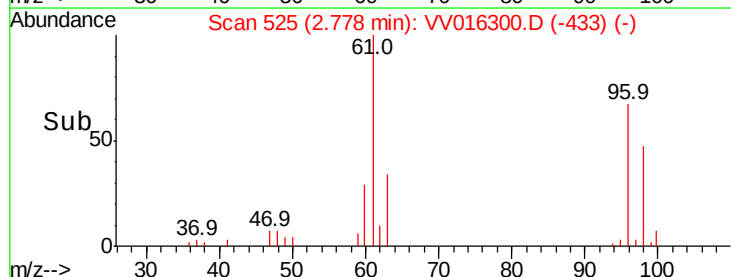
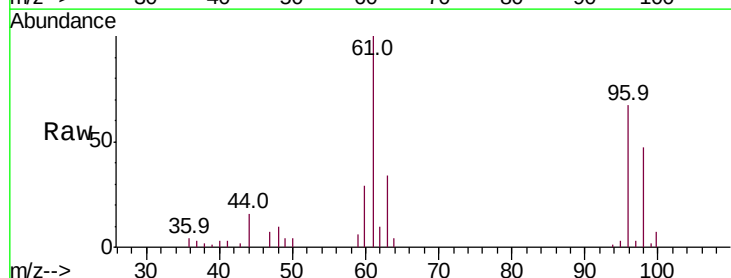
Instrument :
 MSVOA_V
 ClientSampleId :
 F9B07

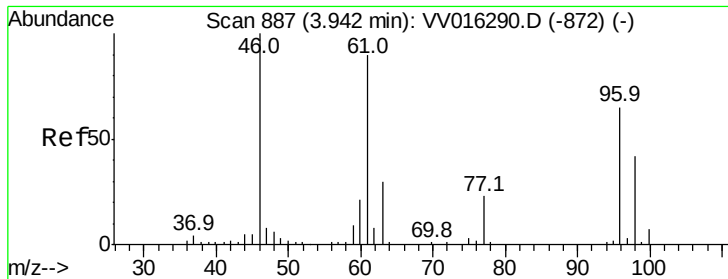
Tot Ion: 96 Resp: 4447
 Ion Ratio Lower Upper
 96 100
 61 223.0 124.9 231.9
 63 463.7 80.4 149.2#



#18
 trans-1,2-Dichloroethene
 Concen: 1.560 ug/L
 RT: 2.78 min Scan# 525
 Delta R.T. -0.00 min
 Lab File: VV016300.D
 Acq: 29 May 2020 01:30

Tgt Ion: 96 Resp: 8698
 Ion Ratio Lower Upper
 96 100
 61 149.9 99.8 185.4
 98 70.3 44.0 81.6

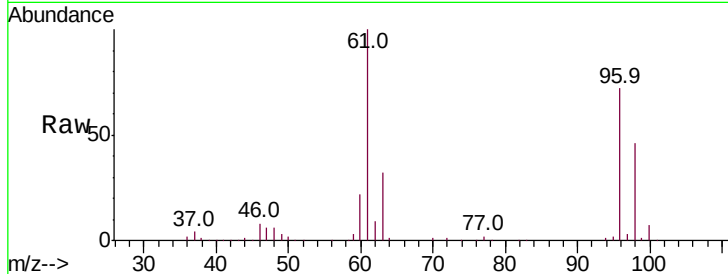




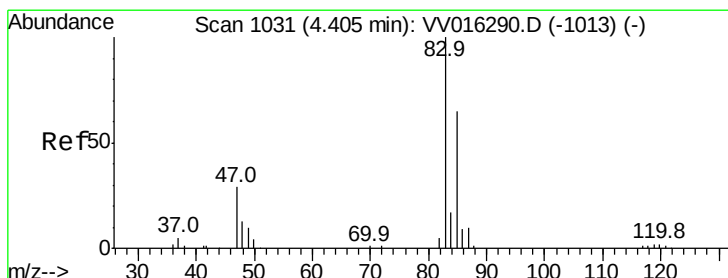
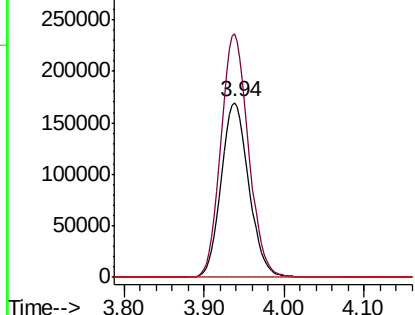
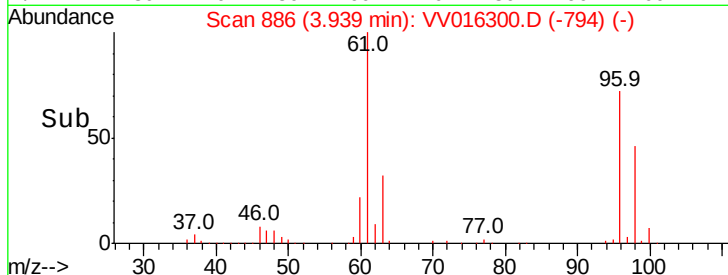
#22
 cis-1,2-Dichloroethene
 Concen: 61.185 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV016300.D
 Acq: 29 May 2020 01:30

Instrument :
 MSVOA_V
 ClientSampleId :
 F9B07

Tot Ion: 96 Resp: 403589
 Ion Ratio Lower Upper
 96 100
 61 139.1 99.7 185.1
 68 0.0 0.0 0.0

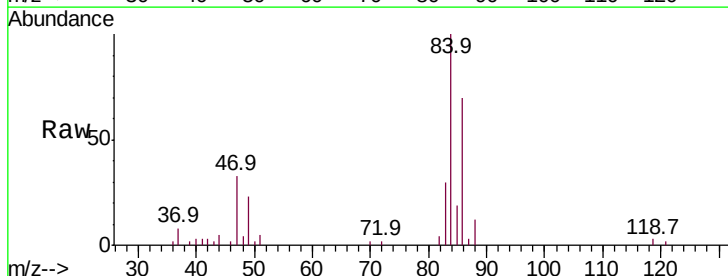


Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0

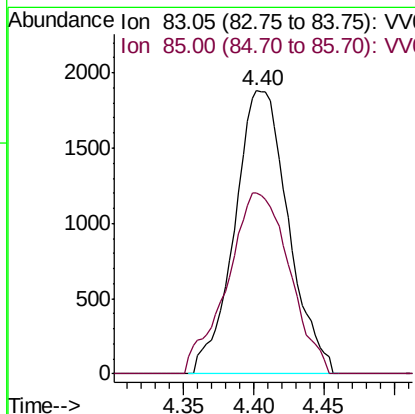
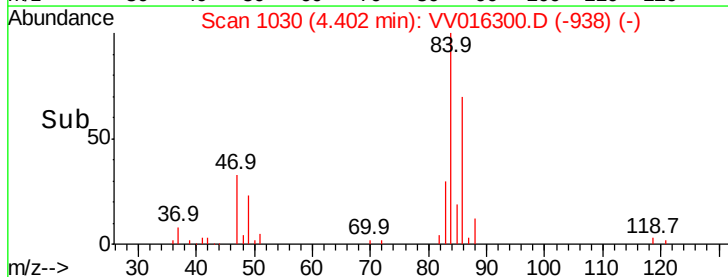


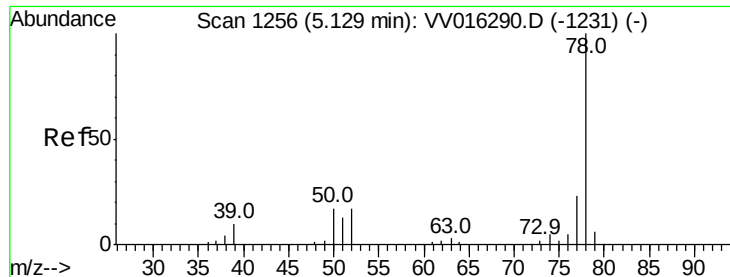
#25
 Chloroform
 Concen: 0.447 ug/L
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VV016300.D
 Acq: 29 May 2020 01:30

Tgt Ion: 83 Resp: 5012
 Ion Ratio Lower Upper
 83 100
 85 64.1 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV0
 Ion 85.00 (84.70 to 85.70): VV0





#33

Benzene

Concen: 0.875 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. -0.00 min

Lab File: VV016300.D

Acq: 29 May 2020 01:30

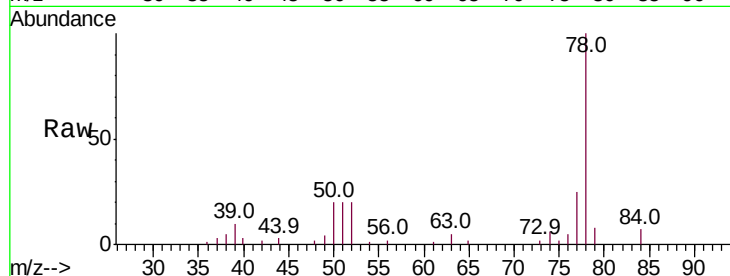
Instrument :

MSVOA_V

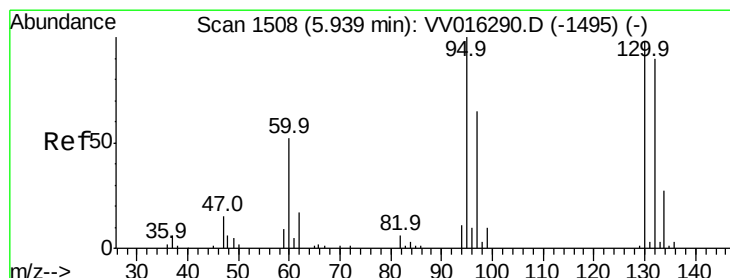
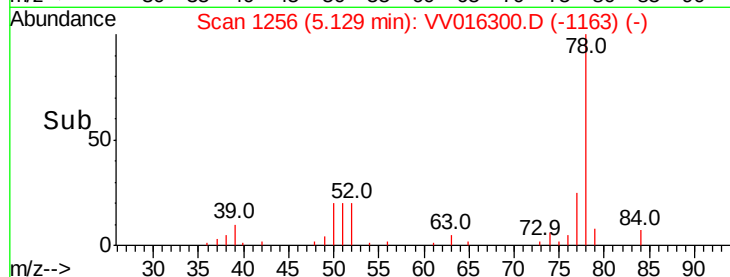
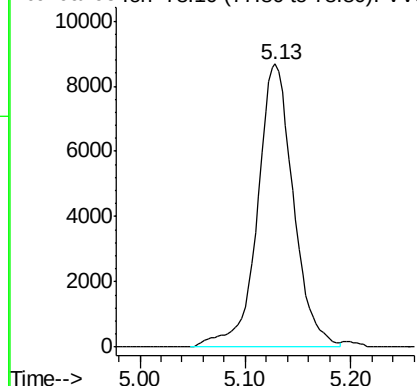
ClientSampleId :

F9B07

Tgt Ion: 78 Resp: 20629



Abundance Ion 78.10 (77.80 to 78.80): VV0



#34

Trichloroethene

Concen: 164.237 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV016300.D

Acq: 29 May 2020 01:30

Tgt Ion: 95 Resp: 1009122

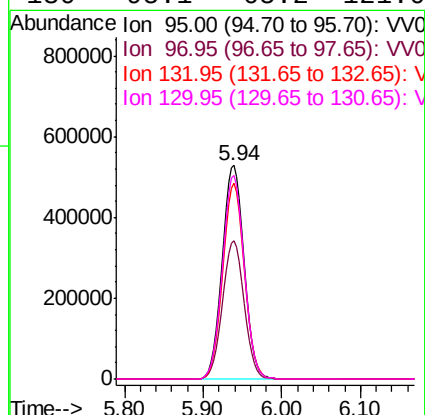
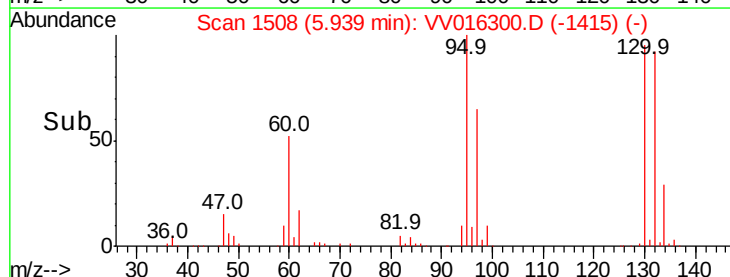
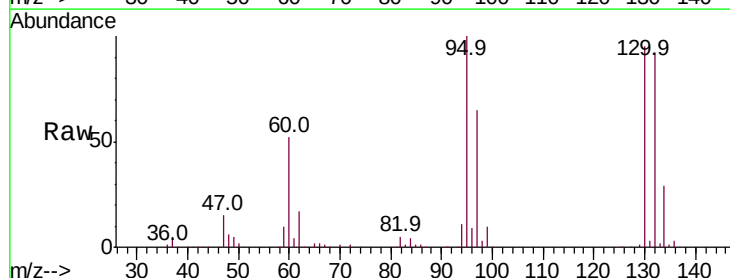
Ion	Ratio	Lower	Upper
95	100		
97	64.8	43.6	81.0
132	91.7	63.9	118.7
130	95.1	65.2	121.0

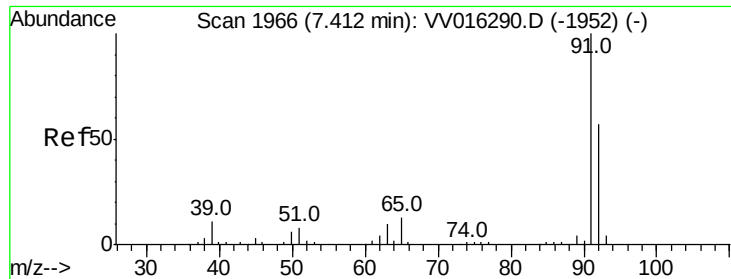
Abundance Ion 95.00 (94.70 to 95.70): VV0

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





#42

Toluene

Concen: 0.124 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.00 min

Lab File: VV016300.D

Acq: 29 May 2020 01:30

Instrument :

MSVOA_V

ClientSampleId :

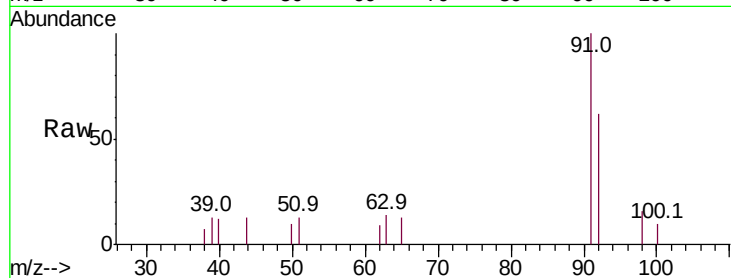
F9B07

Tot Ion: 91 Resp: 3177

Ion Ratio Lower Upper

91 100

92 61.6 40.9 76.0



Abundance Ion 91.15 (90.85 to 91.85): VV016290.D (-1952) (-)

Ion 92.15 (91.85 to 92.85): VV016290.D (-1952) (-)

7.41

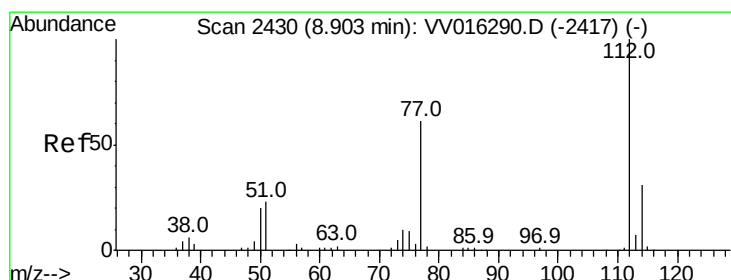
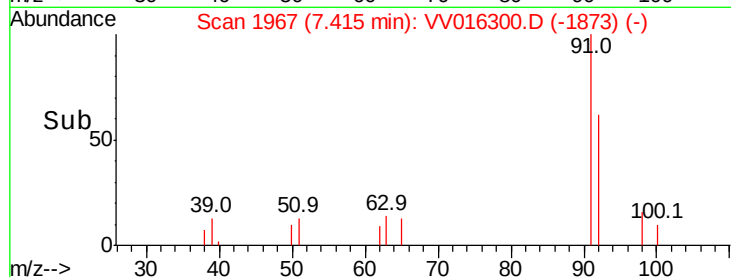
1500

1000

500

0

Time--> 7.35 7.40 7.45



#53

Chlorobenzene

Concen: 0.320 ug/L

RT: 8.91 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VV016300.D

Acq: 29 May 2020 01:30

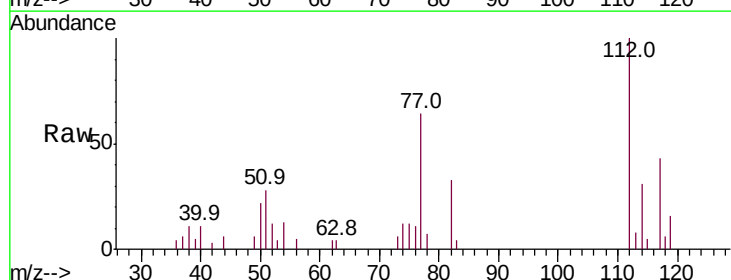
Tgt Ion: 112 Resp: 5080

Ion Ratio Lower Upper

112 100

114 30.6 22.3 41.3

77 63.5 50.7 76.1



Abundance Ion 112.10 (111.80 to 112.80): VV016290.D (-2417) (-)

Ion 114.05 (113.75 to 114.75): VV016290.D (-2417) (-)

Ion 77.10 (76.80 to 77.80): VV016290.D (-2417) (-)

8.91

4000

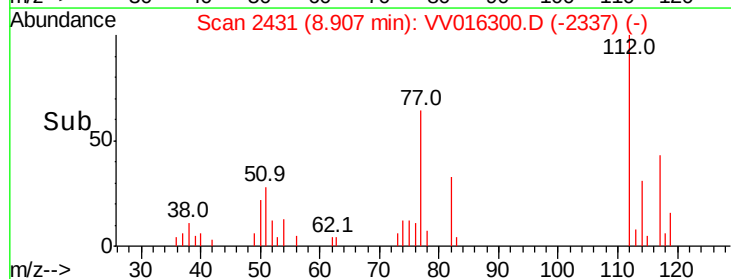
3000

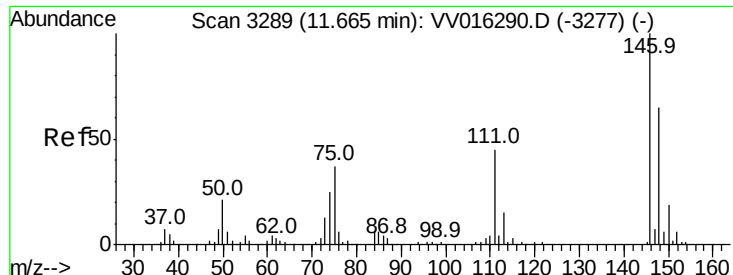
2000

1000

0

Time--> 8.85 8.90 8.95





#66

1,2-Dichlorobenzene

Concen: 0.257 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

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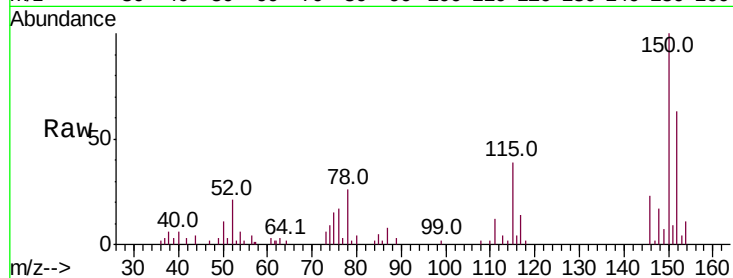
Tot Ion:146 Resp: 2639

Ion Ratio Lower Upper

146 100

111 49.4 35.7 53.5

148 70.7 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

