

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072920\
 Data File : VV017723.D
 Acq On : 29 Jul 2020 12:16
 Operator : SY/MD
 Sample : L3470-11
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AF2

Manual Integrations
 APPROVED

MMDadoda
 7/31/2020 9:08:04 AM

Quant Time: Jul 31 23:46:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jul 30 04:28:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	102305	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	101298	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	55675	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	23027	4.71	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.20%
7) Chloroethane-d5	1.58	69	18435	4.93	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.12	63	44372	4.05	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	81.00%
20) 2-Butanone-d5	3.97	46	58998m	50.48	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.96%
24) Chloroform-d	4.37	84	64717	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	109.40%
26) 1,2-Dichloroethane-d4	5.06	65	37071	6.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	121.60%
32) Benzene-d6	5.07	84	109156	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
36) 1,2-Dichloropropane-d6	6.10	67	29708	4.79	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	95.80%
41) Toluene-d8	7.34	98	100771	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.20%
45) trans-1,3-Dichloropropene-	7.65	79	14634	5.20	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	104.00%
48) 2-Hexanone-d5	8.12	63	46146	52.93	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.86%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	25433	5.89	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	117.80%
65) 1,2-Dichlorobenzene-d4	11.65	152	48894	5.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	116.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	1.32	62	68071	9.313	ug/L	98
12) 1,1-Dichloroethene	2.13	96	7007	1.272	ug/L #	8
14) Carbon disulfide	2.30	76	9903	0.591	ug/L #	93
15) Methyl Acetate	2.47	43	66228	37.203	ug/L	92
18) trans-1,2-Dichloroethene	2.77	96	12527	2.087	ug/L	92
19) 1,1-Dichloroethane	3.20	63	14830	1.175	ug/L	98
22) cis-1,2-Dichloroethene	3.93	96	4662942	616.839	ug/L #	98
27) 1,2-Dichloroethane	5.16	62	4172	0.454	ug/L #	95
33) Benzene	5.13	78	2835	0.099	ug/L	100
34) Trichloroethene	5.94	95	10486	1.309	ug/L	94
42) Toluene	7.41	91	5515	0.176	ug/L	100
55) m,p-xylene	9.16	106	2014	0.153	ug/L	88

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

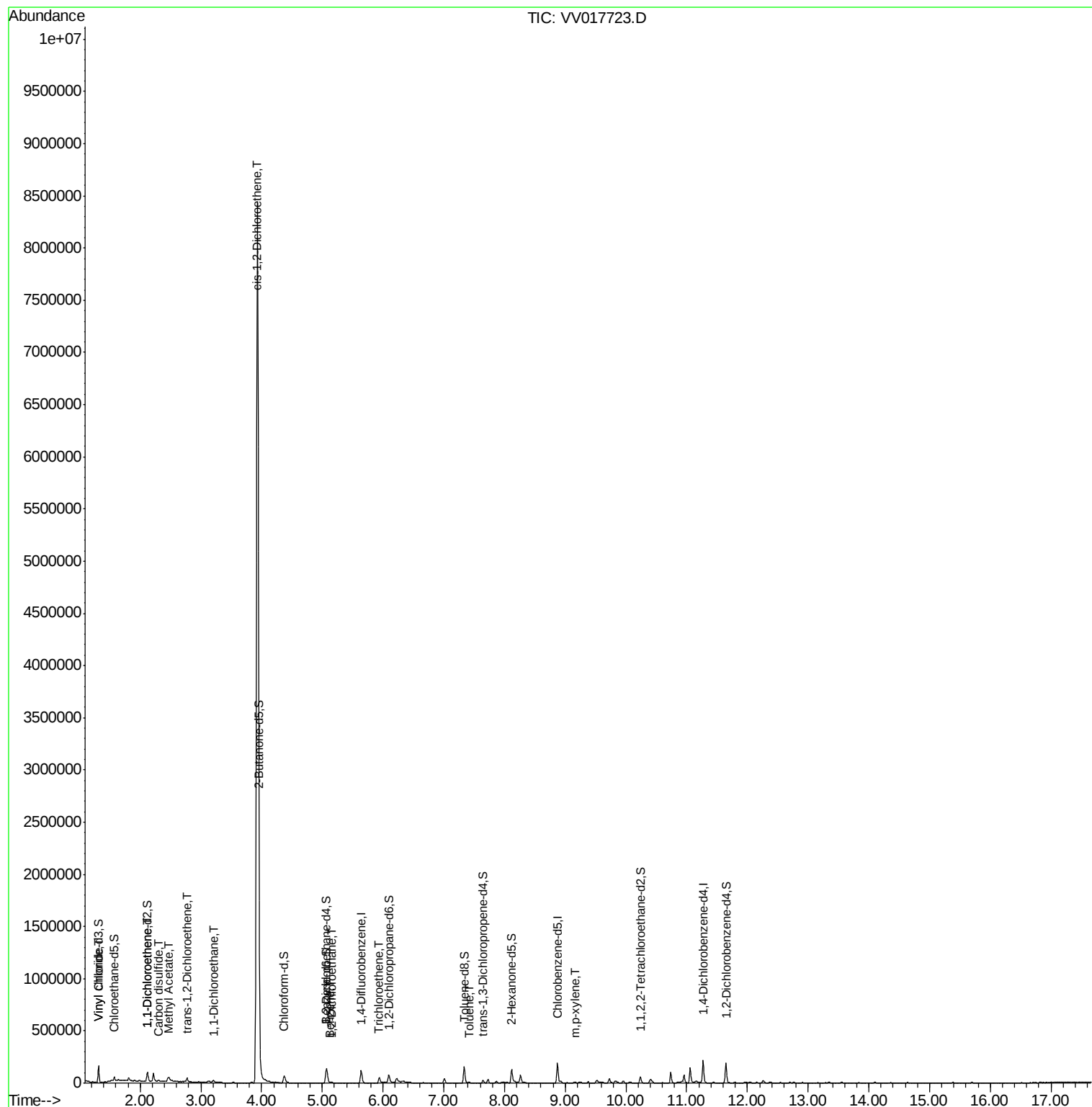
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV072920\
Data File : VV017723.D
Acq On : 29 Jul 2020 12:16
Operator : SY/MD
Sample : L3470-11
Misc : 25.0mL/MSVOA V/WATER
ALS Vial : 6 Sample Multiplier: 1

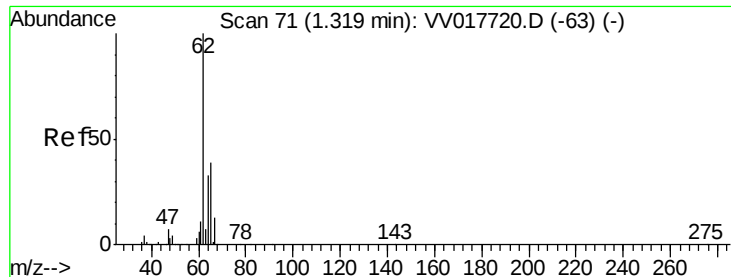
Instrument :
MSVOA_V
ClientSampleId :
H0AF2

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Quant Time: Jul 31 23:46:39 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR072320WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Thu Jul 30 04:28:04 2020
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 9.313 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.00 min

Lab File: VV017723.D

Acq: 29 Jul 2020 12:16

Instrument :

MSVOA_V

ClientSampled :

H0AF2

Tot Ion: 62 Resp: 68071

Ion Ratio Lower Upper

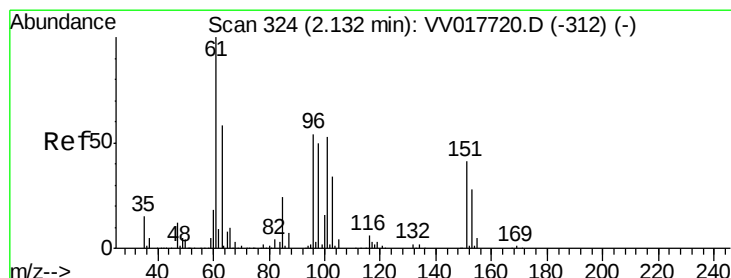
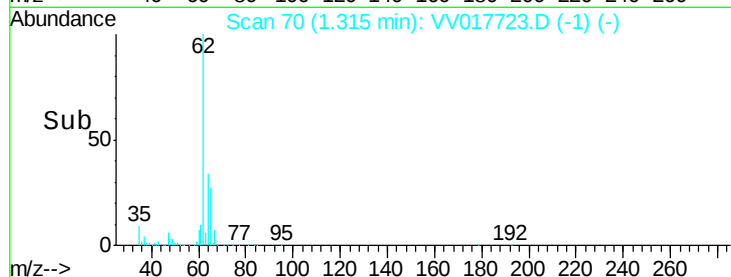
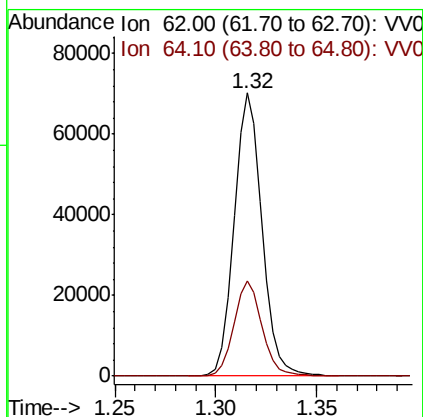
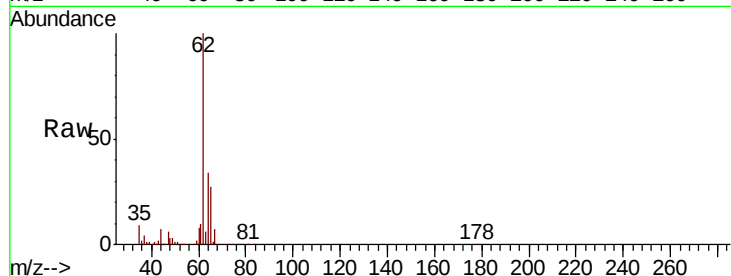
62 100

64 33.7 23.0 42.8

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#12

1,1-Dichloroethene

Concen: 1.272 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017723.D

Acq: 29 Jul 2020 12:16

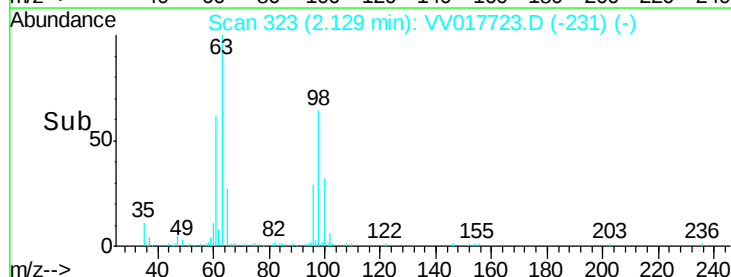
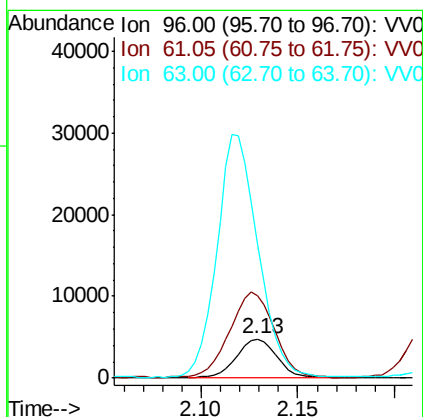
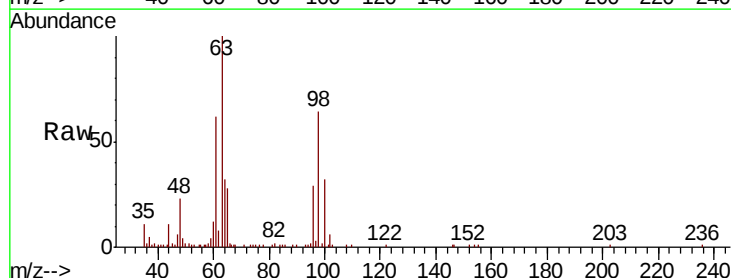
Tgt Ion: 96 Resp: 7007

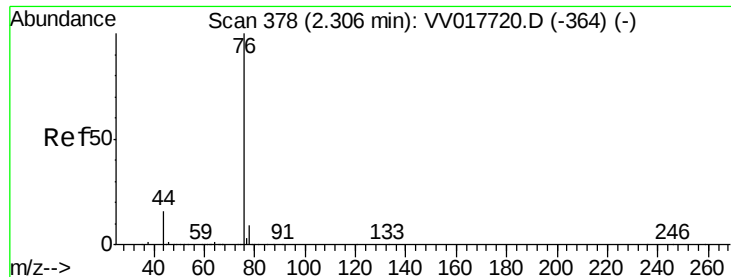
Ion Ratio Lower Upper

96 100

61 211.5 123.1 228.7

63 342.8 91.2 169.4#





#14

Carbon disulfide

Concen: 0.591 ug/L

RT: 2.30 min Scan# 377

Delta R.T. -0.00 min

Lab File: VV017723.D

Acq: 29 Jul 2020 12:16

Instrument :

MSVOA_V

ClientSampleId :

H0AF2

Tot Ion: 76 Resp: 9903

Ion Ratio Lower Upper

76 100

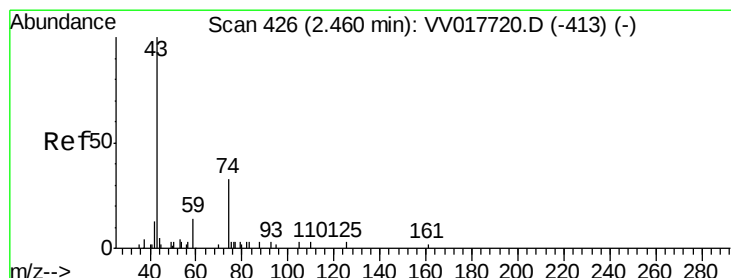
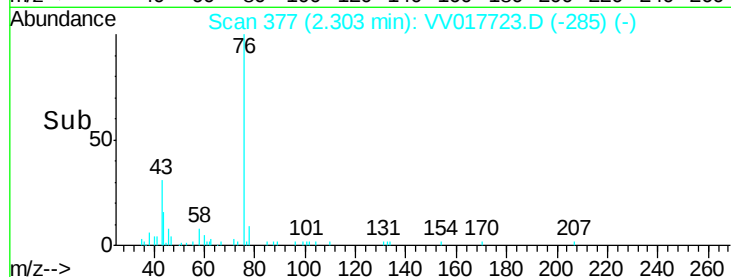
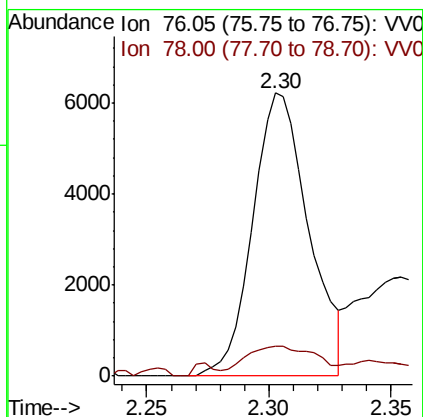
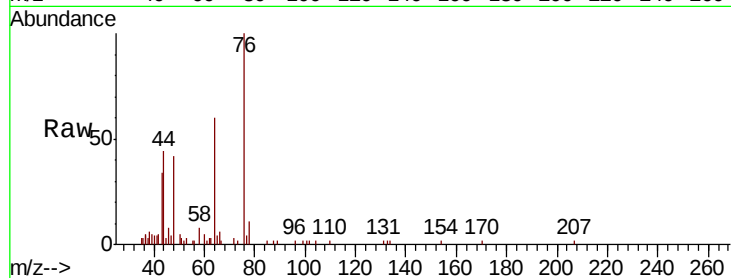
78 10.8 6.6 10.0#

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#15

Methyl Acetate

Concen: 37.203 ug/L

RT: 2.47 min Scan# 428

Delta R.T. 0.01 min

Lab File: VV017723.D

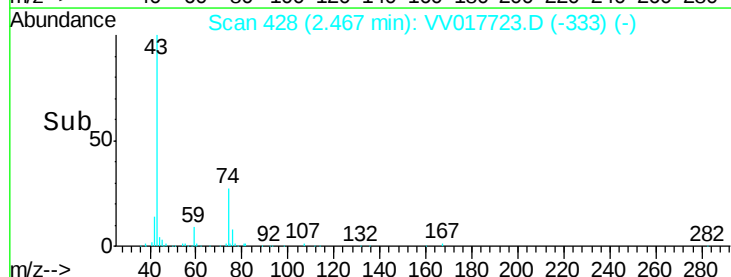
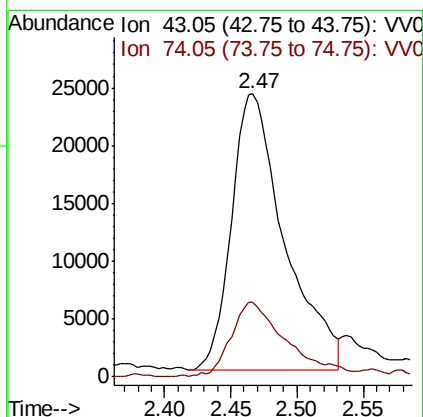
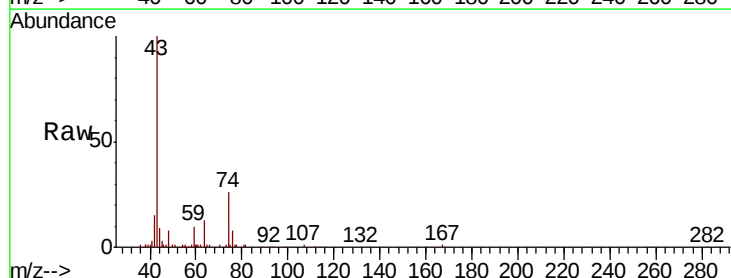
Acq: 29 Jul 2020 12:16

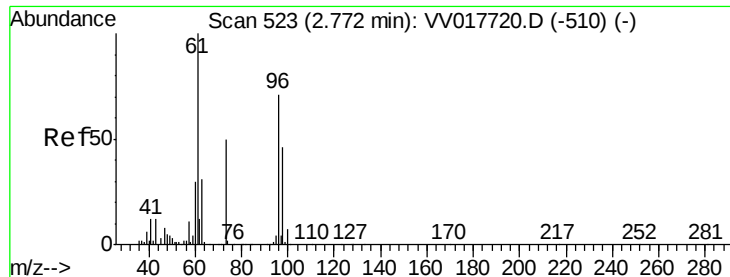
Tgt Ion: 43 Resp: 66228

Ion Ratio Lower Upper

43 100

74 28.7 26.6 40.0





#18

trans-1,2-Dichloroethene

Concen: 2.087 ug/L

RT: 2.77 min Scan# 523

Delta R.T. 0.00 min

Lab File: VV017723.D

Acq: 29 Jul 2020 12:16

Instrument :

MSVOA_V

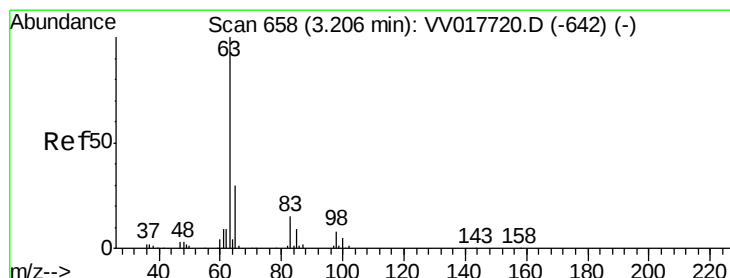
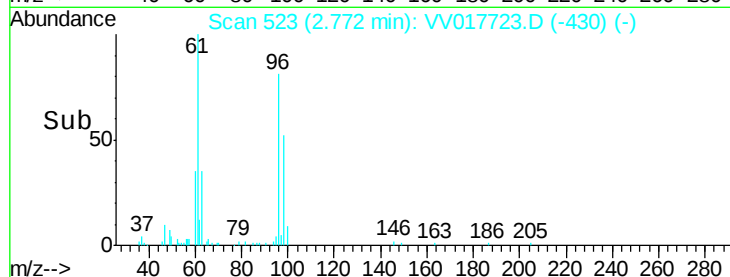
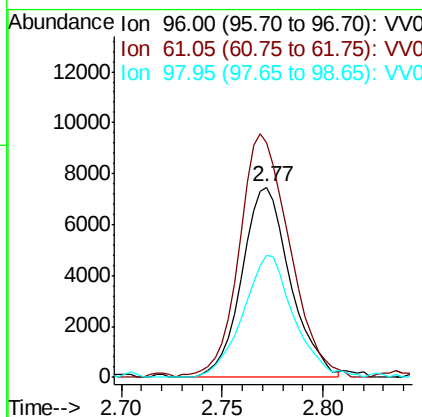
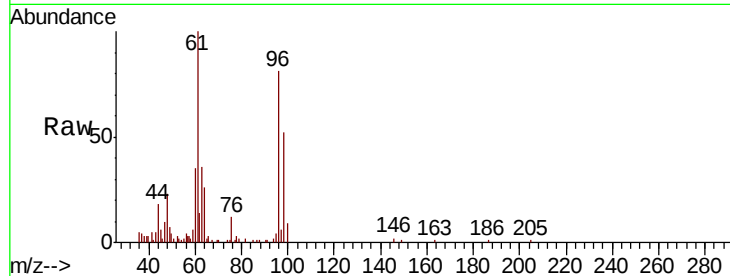
ClientSampleId :

H0AF2

Tot Ion:	96	Resp:	12527
Ion	Ratio	Lower	Upper
96	100		
61	123.7	96.0	178.4
98	64.0	43.5	80.9

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#19

1,1-Dichloroethane

Concen: 1.175 ug/L

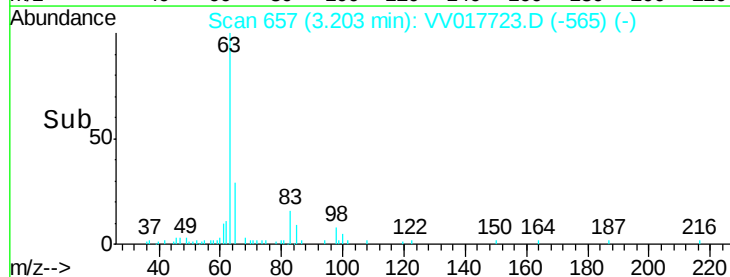
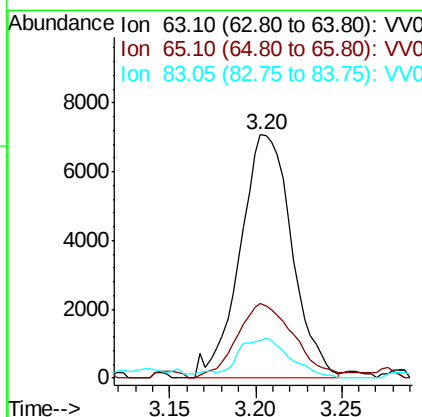
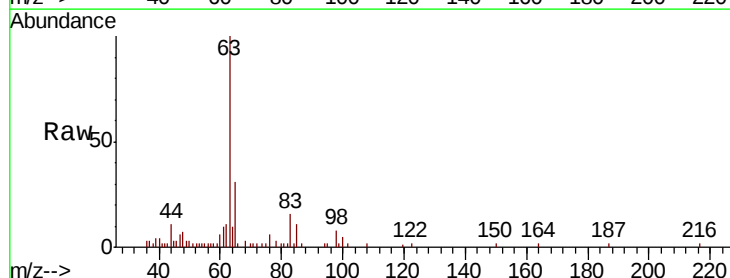
RT: 3.20 min Scan# 657

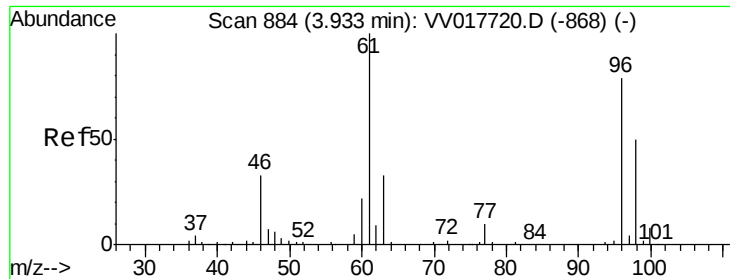
Delta R.T. -0.00 min

Lab File: VV017723.D

Acq: 29 Jul 2020 12:16

Tgt Ion:	63	Resp:	14830
Ion	Ratio	Lower	Upper
63	100		
65	32.0	21.4	39.8
83	15.6	10.4	19.4





#22

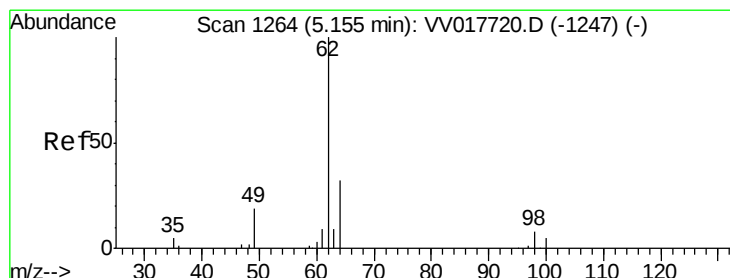
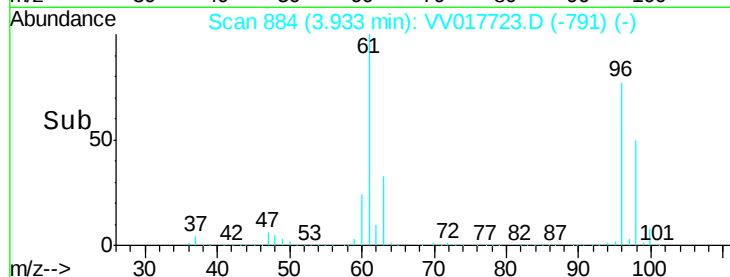
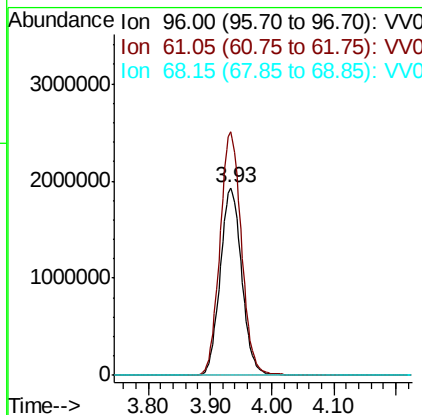
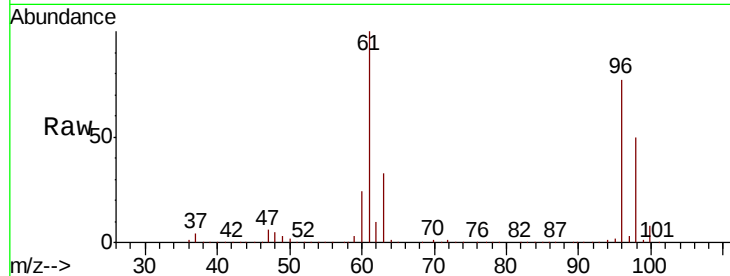
cis-1,2-Dichloroethene
 Concen: 616.839 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: VV017723.D
 Acq: 29 Jul 2020 12:16

Instrument :
 MSVOA_V
 ClientSampleId :
 H0AF2

Tot Ion: 96 Resp: 4662942
 Ion Ratio Lower Upper
 96 100
 61 129.9 89.6 166.4
 68 0.0 0.0 0.0#

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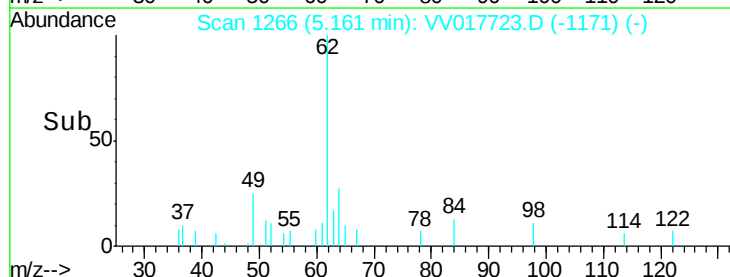
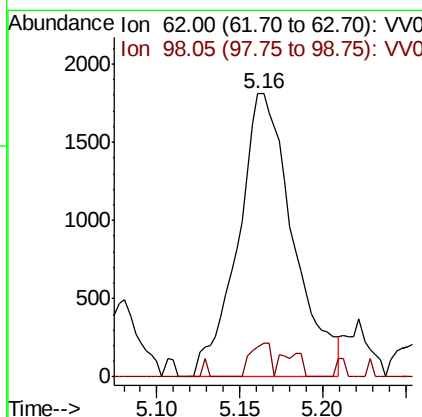
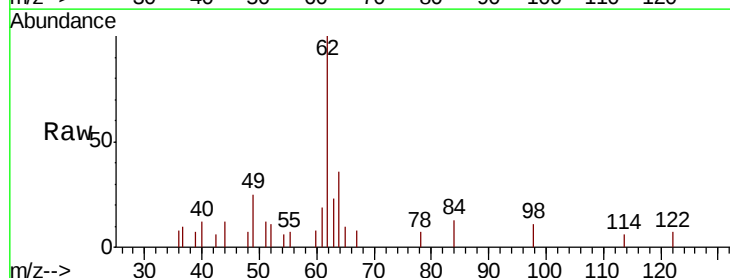
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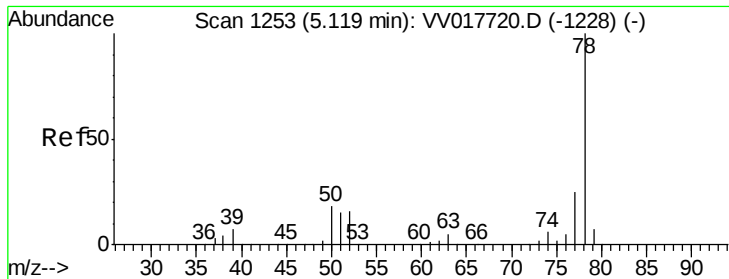


#27

1,2-Dichloroethane
 Concen: 0.454 ug/L
 RT: 5.16 min Scan# 1266
 Delta R.T. 0.01 min
 Lab File: VV017723.D
 Acq: 29 Jul 2020 12:16

Tgt Ion: 62 Resp: 4172
 Ion Ratio Lower Upper
 62 100
 98 10.6 7.0 10.6#





#33

Benzene

Concen: 0.099 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV017723.D

Acq: 29 Jul 2020 12:16

Instrument :

MSVOA_V

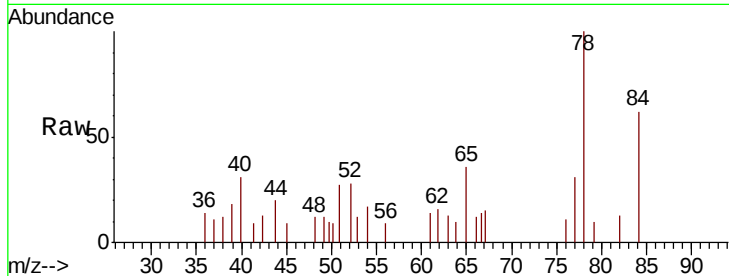
ClientSampled :

H0AF2

Tgt Ion: 78 Resp: 2835

Manual Integrations
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7/31/2020 9:08:04 AM



Abundance Ion 78.10 (77.80 to 78.80): VV0

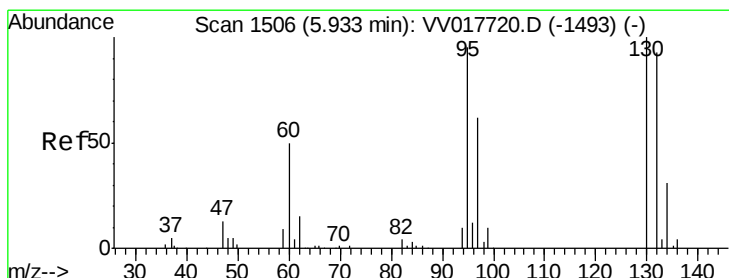
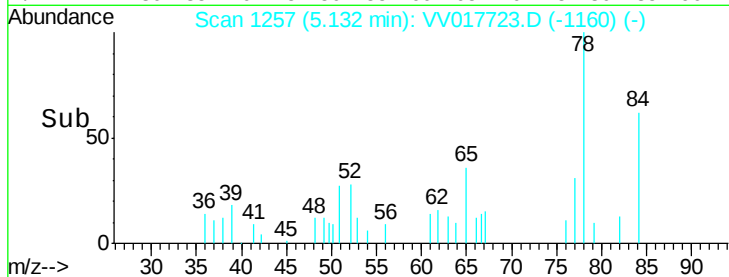
5.13

1000

500

0

Time-->



#34

Trichloroethene

Concen: 1.309 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017723.D

Acq: 29 Jul 2020 12:16

Tgt Ion: 95 Resp: 10486

Ion Ratio Lower Upper

95 100

97 65.2 46.1 85.5

132 99.6 71.7 133.1

130 94.1 74.3 137.9

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

5.94

8000

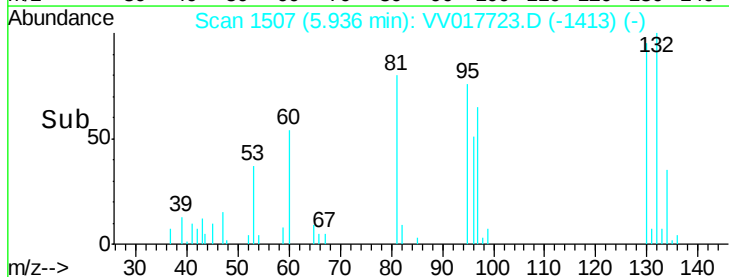
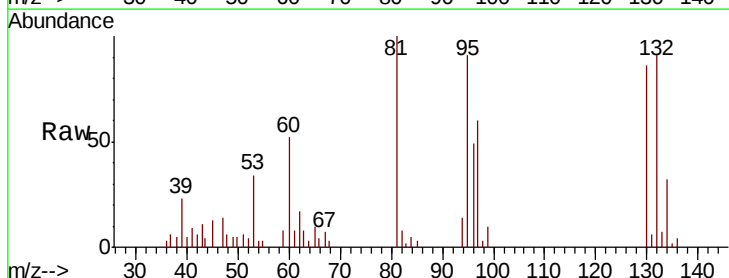
6000

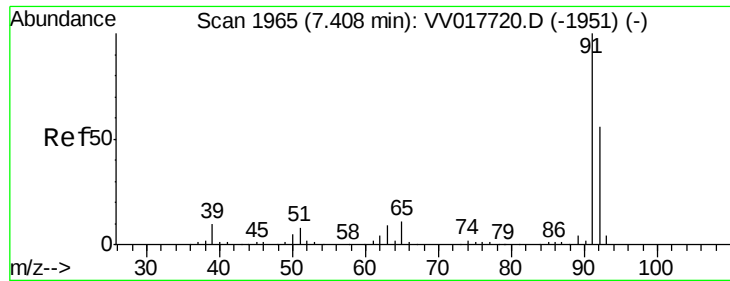
4000

2000

0

Time-->





#42

Toluene

Concen: 0.176 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV017723.D

Acq: 29 Jul 2020 12:16

Instrument :

MSVOA_V

ClientSampleId :

H0AF2

Tot Ion: 91 Resp: 5515

Ion Ratio Lower Upper

91 100

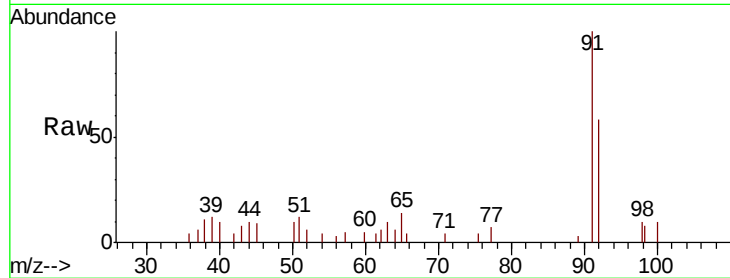
92 58.1 40.8 75.8

Manual Integrations

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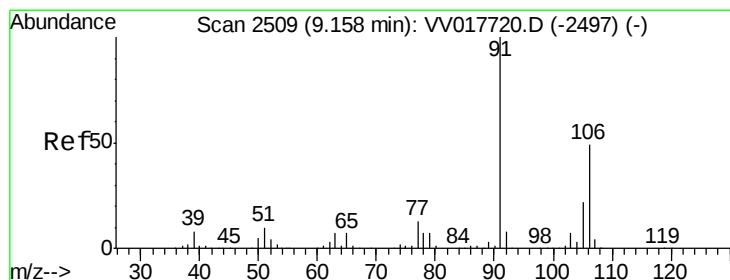
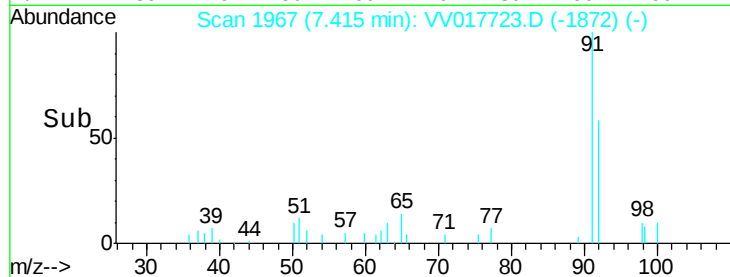
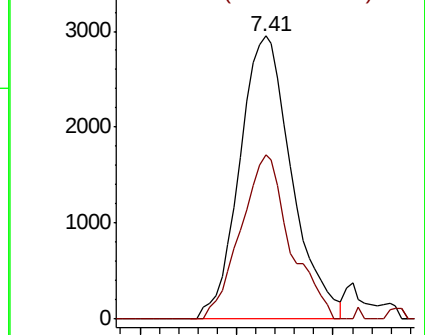
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Abundance Ion 91.15 (90.85 to 91.85): VV017720.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017723.D (-1872) (-)



#55

m,p-xylene

Concen: 0.153 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017723.D

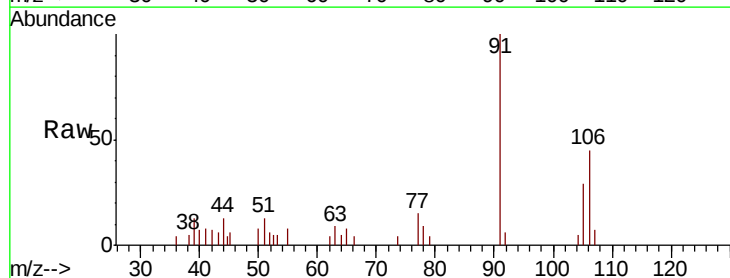
Acq: 29 Jul 2020 12:16

Tgt Ion: 106 Resp: 2014

Ion Ratio Lower Upper

106 100

91 220.2 141.3 262.3



Abundance Ion 106.15 (105.85 to 106.85): VV017720.D (-2497) (-)

Ion 91.15 (90.85 to 91.85): VV017723.D (-1872) (-)

