

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021519\
 Data File : VR026329.D
 Acq On : 15 Feb 2019 14:38
 Operator : SY/MD
 Sample : K1488-22MSD
 Misc : 25mL/MSVOA R/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_R
 ClientSampleId :
 ESXF7MSD

Manual Integrations
 APPROVED

MMDadoda
 2/19/2019 1:56:01 AM

Quant Time: Feb 16 03:40:10 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Sat Feb 16 03:20:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.46	114	568511	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	461716	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	133791	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.17	65	226882	4.38	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.60%
7) Chloroethane-d5	2.63	69	189419	4.46	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.20%
11) 1,1-Dichloroethene-d2	3.61	63	556866	4.47	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	89.40%
20) 2-Butanone-d5	6.59	46	171137	51.78	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	103.56%
24) Chloroform-d	7.20	84	359433	4.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.60%
26) 1,2-Dichloroethane-d4	7.90	65	141173	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.00%
32) Benzene-d6	7.85	84	751409	4.77	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.40%
36) 1,2-Dichloropropane-d6	8.90	67	186586	4.62	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.40%
41) Toluene-d8	9.97	98	666783	4.53	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	90.60%
43) trans-1,3-Dichloropropene-	10.23	79	42783	3.93	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	78.60%
46) 2-Hexanone-d5	10.59	63	127216	51.52	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	103.04%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	61919	4.04	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	80.80%
64) 1,2-Dichlorobenzene-d4	13.52	152	120117	5.36	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	107.20%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl chloride	2.17	62	299488	4.971	ug/L	98
12) 1,1-Dichloroethene	3.63	96	243114	4.476	ug/L	83
13) Acetone	3.70	43	9472m	2.717	ug/L	
18) trans-1,2-Dichloroethene	4.89	96	141289	2.866	ug/L	97
22) cis-1,2-Dichloroethene	6.67	96	2376015	59.754	ug/L #	90
30) Cyclohexane	7.52	56	38203	0.628	ug/L	97
33) Benzene	7.91	78	873558	4.782	ug/L	100
34) Trichloroethene	8.71	95	775452	16.462	ug/L	98
35) Methylcyclohexane	8.96	83	13514	0.206	ug/L #	80
42) Toluene	10.03	91	925091	4.927	ug/L	99
47) Tetrachloroethene	10.51	164	884732	24.478	ug/L	92
51) Chlorobenzene	11.32	112	490548	4.569	ug/L	99

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

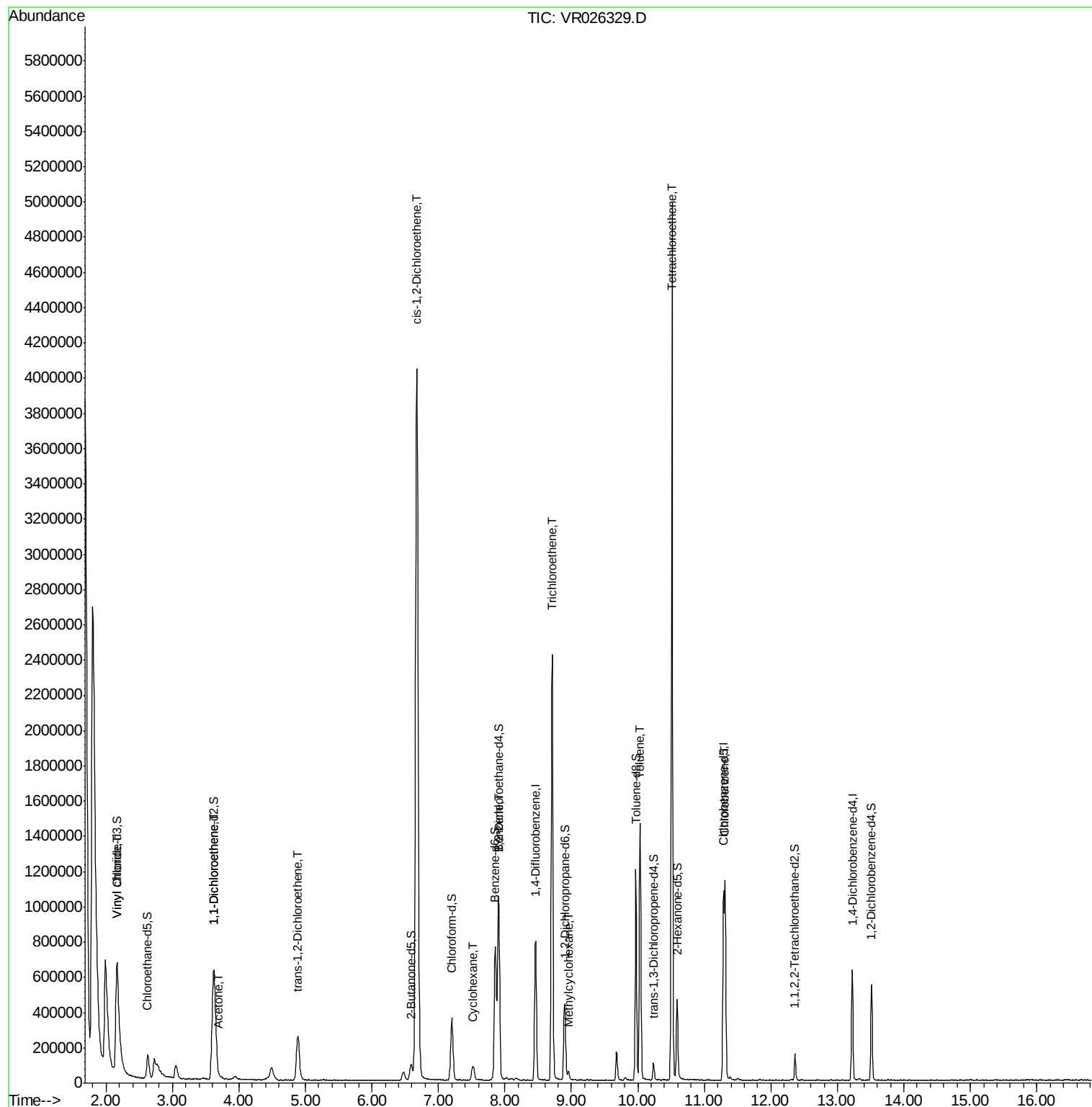
Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR021519\
Data File : VR026329.D
Acq On : 15 Feb 2019 14:38
Operator : SY/MD
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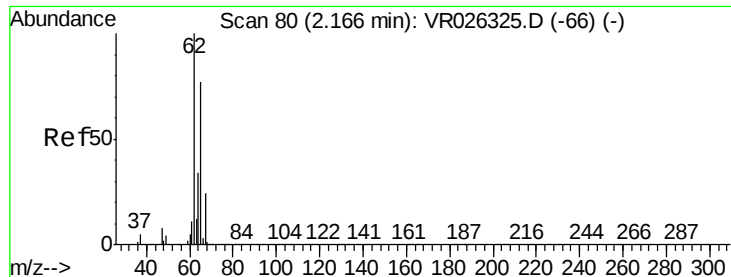
Instrument :
MSVOA_R
ClientSampleId :
ESXF7MSD

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Quant Time: Feb 16 03:40:10 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_R\METHODS\SOMRTR021119WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Feb 16 03:20:27 2019
Response via : Initial Calibration





#5

Vinyl chloride

Concen: 4.971 ug/L

RT: 2.17 min Scan# 81

Delta R.T. 0.01 min

Lab File: VR026329.D

Acq: 15 Feb 2019 14:38

Instrument :

MSVOA_R

ClientSampled :

ESXF7MSD

Tot Ion: 62 Resp: 299488

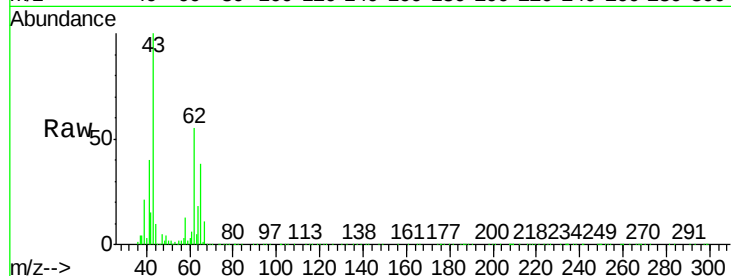
Ion Ratio Lower Upper

62 100

64 32.9 22.2 41.2

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Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0

2.17

100000

80000

60000

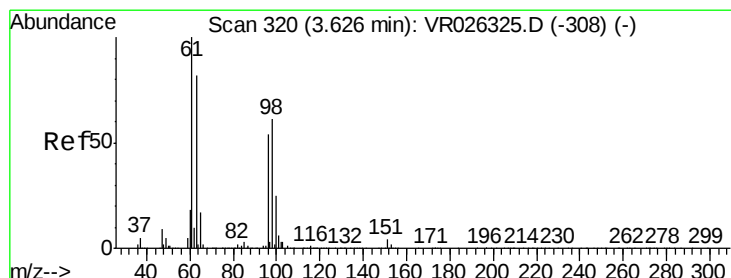
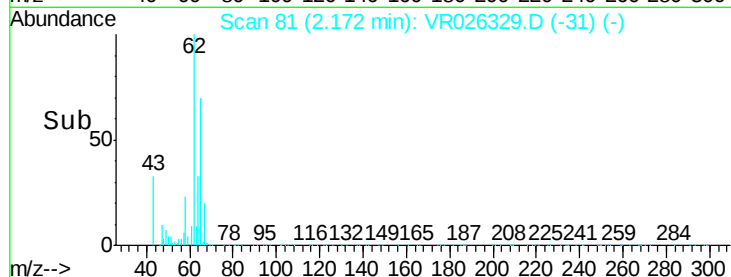
40000

20000

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Time-->

2.00 2.10 2.20 2.30 2.40



#12

1,1-Dichloroethene

Concen: 4.476 ug/L

RT: 3.63 min Scan# 320

Delta R.T. 0.00 min

Lab File: VR026329.D

Acq: 15 Feb 2019 14:38

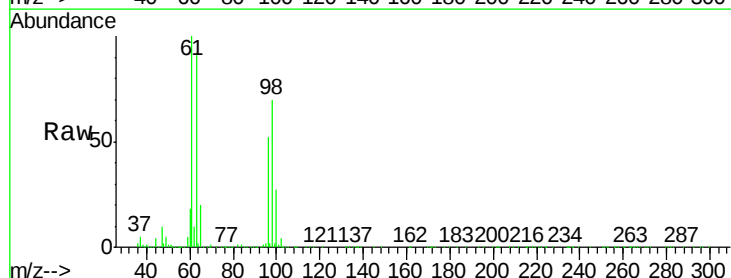
Tgt Ion: 96 Resp: 243114

Ion Ratio Lower Upper

96 100

61 192.0 126.0 234.0

63 176.7 99.7 185.1



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 63.00 (62.70 to 63.70): VR0

200000

150000

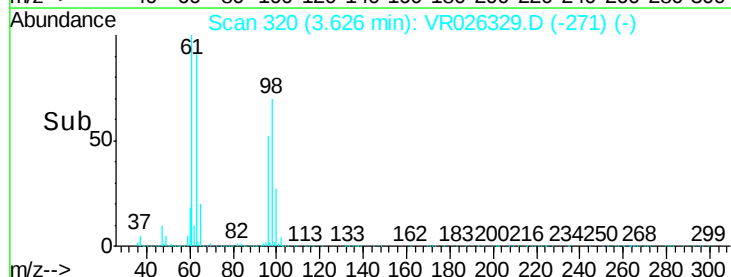
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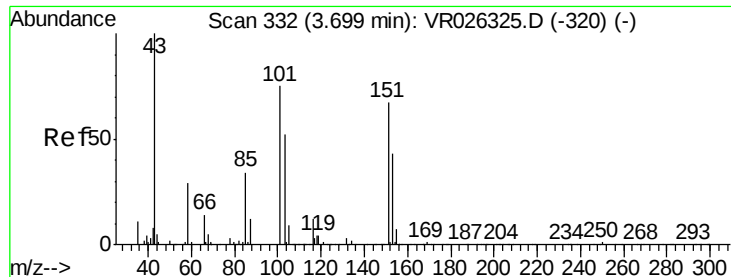
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Time-->

3.50 3.60 3.70 3.80





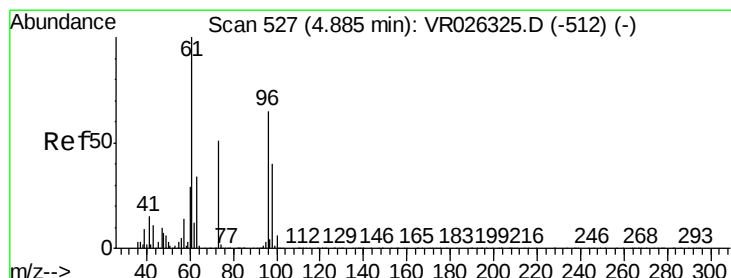
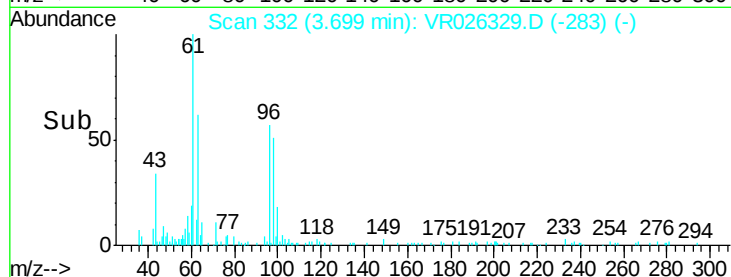
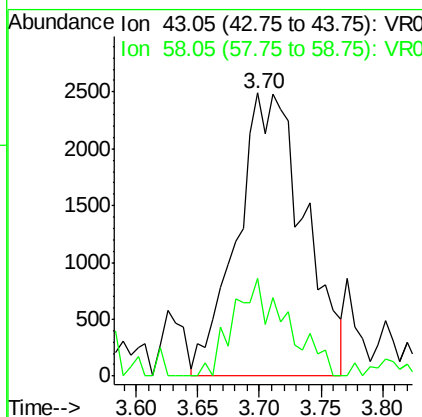
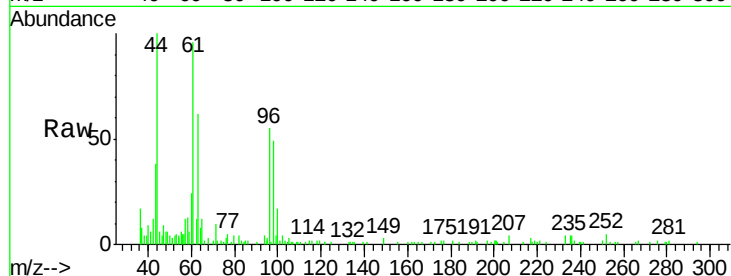
#13
Acetone
Concen: 2.717 ug/L m
RT: 3.70 min Scan# 332
Delta R.T. 0.00 min
Lab File: VR026329.D
Acq: 15 Feb 2019 14:38

Instrument :
MSVOA_R
ClientSampleId :
ESXF7MSD

Tot Ion	43	Resp	9472
Ion Ratio	100	Lower	Upper
58	24.4	0.0	56.6

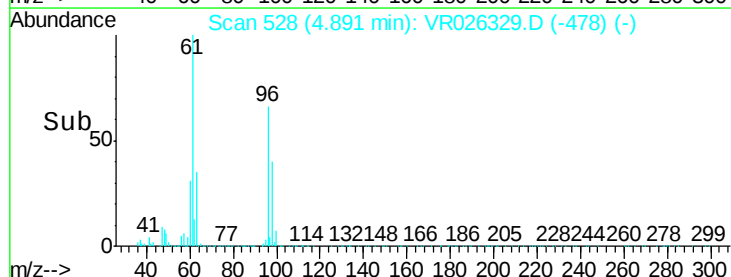
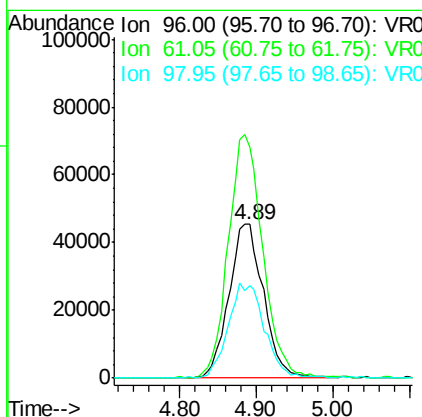
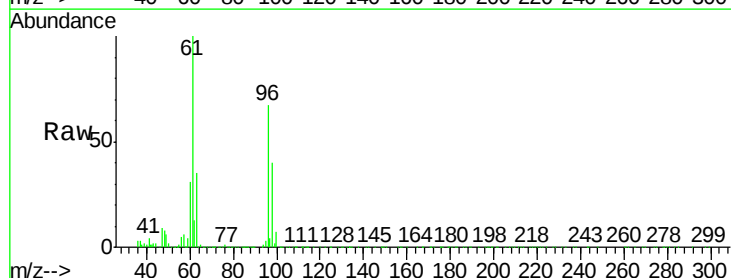
Manual Integrations
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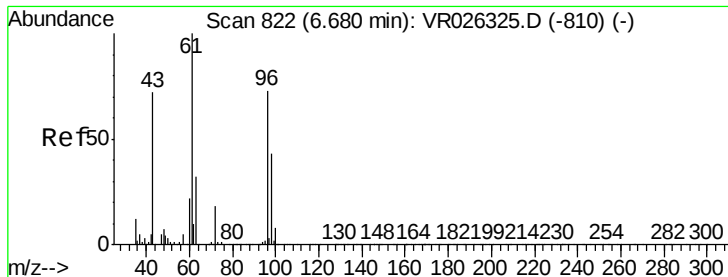
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#18
trans-1,2-Dichloroethene
Concen: 2.866 ug/L
RT: 4.89 min Scan# 528
Delta R.T. 0.01 min
Lab File: VR026329.D
Acq: 15 Feb 2019 14:38

Tgt Ion	96	Resp	141289
Ion Ratio	100	Lower	Upper
61	150.2	102.5	190.3
98	60.1	43.9	81.5





#22

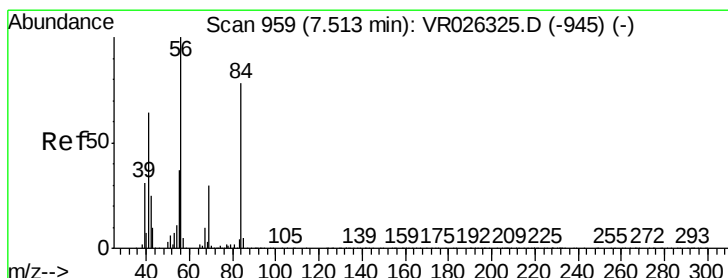
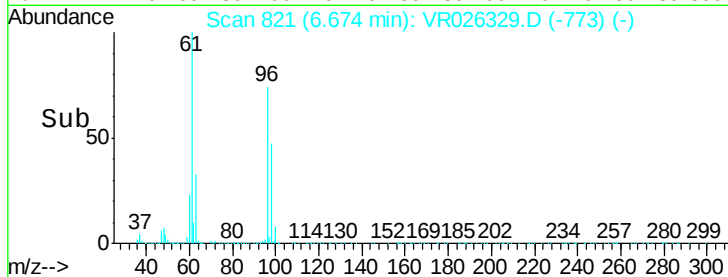
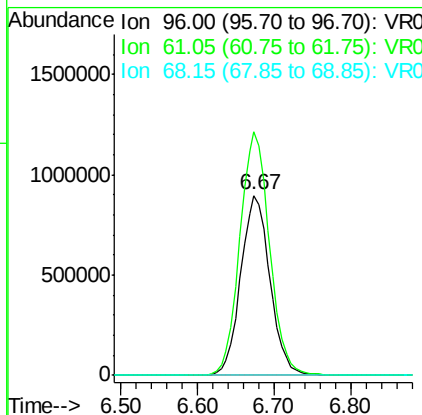
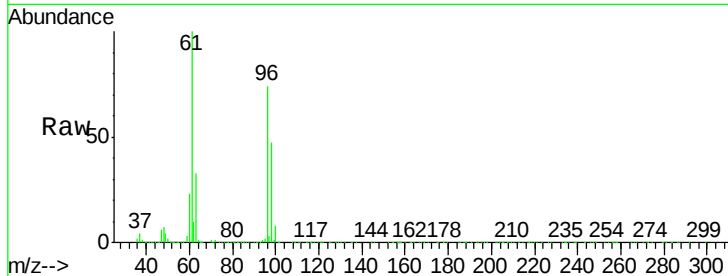
cis-1,2-Dichloroethene
 Concen: 59.754 ug/L
 RT: 6.67 min Scan# 821
 Delta R.T. -0.01 min
 Lab File: VR026329.D
 Acq: 15 Feb 2019 14:38

Instrument :
 MSVOA_R
 ClientSampleId :
 ESXF7MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.2	103.3	191.9
68	0.0	0.1	0.3#

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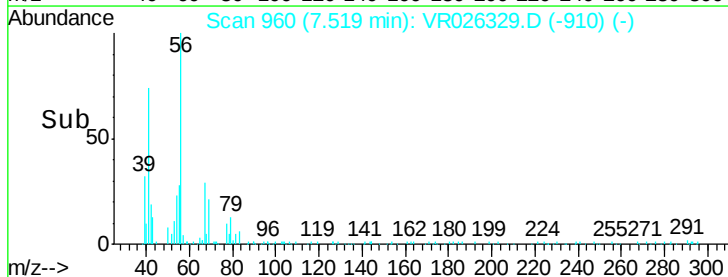
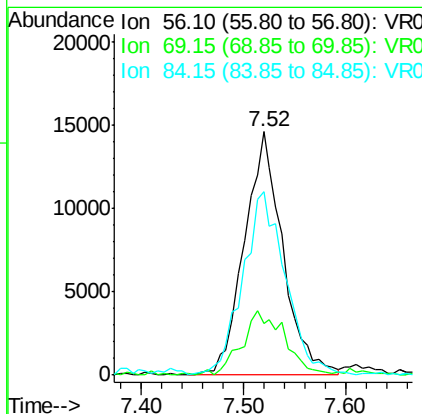
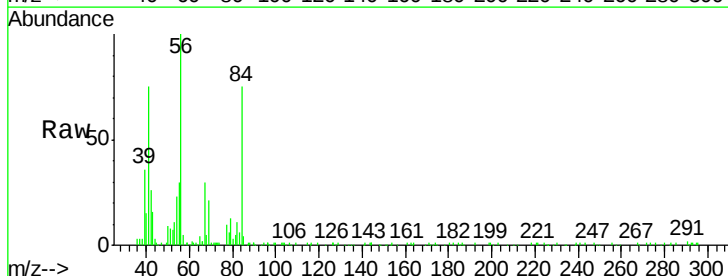
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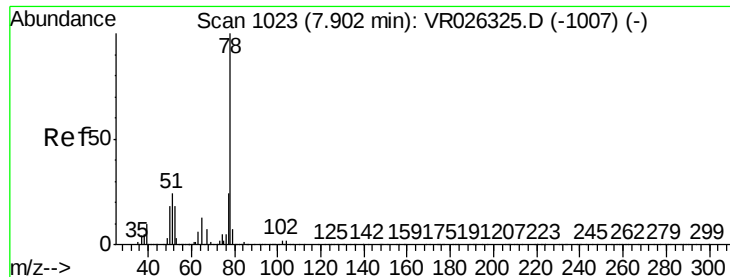


#30

Cyclohexane
 Concen: 0.628 ug/L
 RT: 7.52 min Scan# 960
 Delta R.T. 0.01 min
 Lab File: VR026329.D
 Acq: 15 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.4	35.2
84	83.5	63.8	95.6





#33

Benzene

Concen: 4.782 ug/L

RT: 7.91 min Scan# 1024

Delta R.T. 0.01 min

Lab File: VR026329.D

Acq: 15 Feb 2019 14:38

Instrument :

MSVOA_R

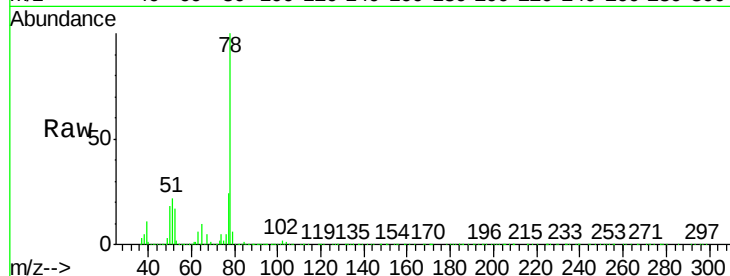
ClientSampleId :

ESXF7MSD

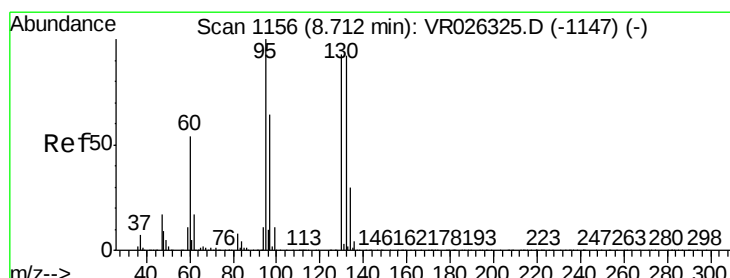
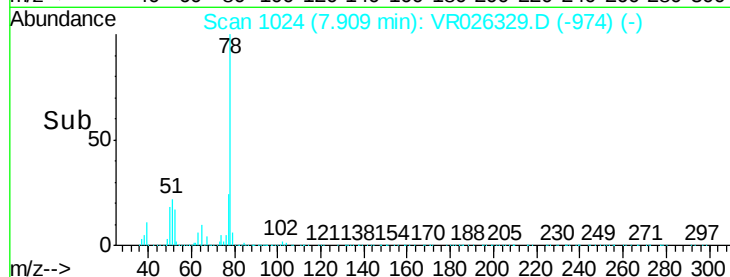
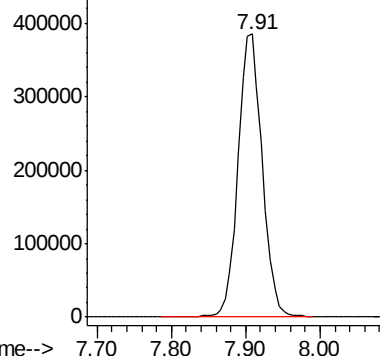
Tgt Ion: 78 Resp: 873558

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Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 16.462 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. 0.00 min

Lab File: VR026329.D

Acq: 15 Feb 2019 14:38

Tgt Ion: 95 Resp: 775452

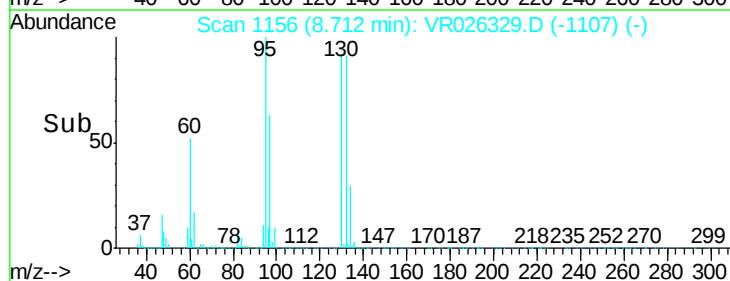
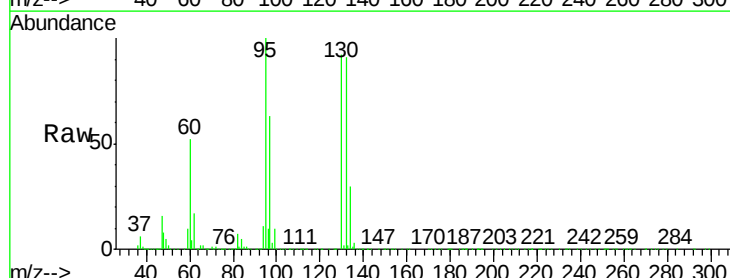
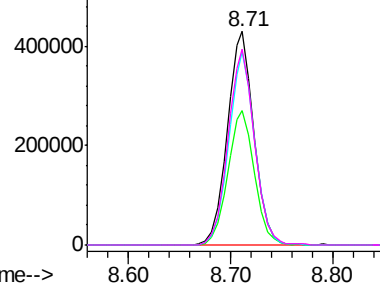
Ion	Ratio	Lower	Upper
95	100		
97	63.0	46.6	86.6
132	90.5	61.9	114.9
130	91.5	64.3	119.5

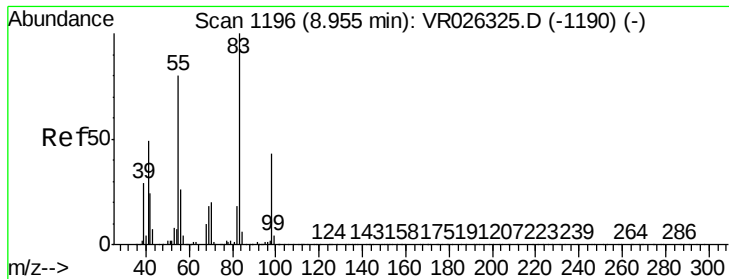
Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V





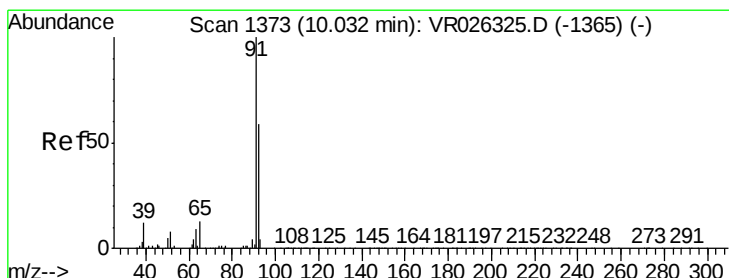
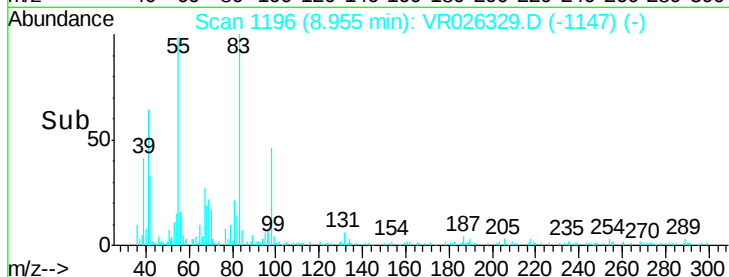
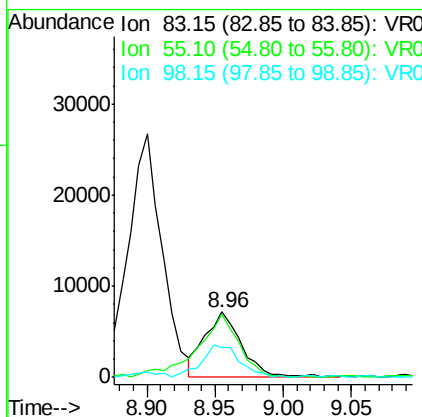
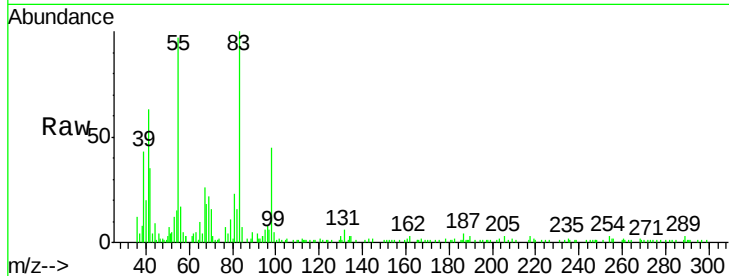
#35
Methvlcvclohexane
Concen: 0.206 ug/L
RT: 8.96 min Scan# 1196
Delta R.T. 0.00 min
Lab File: VR026329.D
Acq: 15 Feb 2019 14:38

Instrument :
MSVOA_R
ClientSampleId :
ESXF7MSD

Tot Ion	Ratio	Lower	Upper
83	100		
55	109.6	68.8	103.2#
98	50.9	36.3	54.5

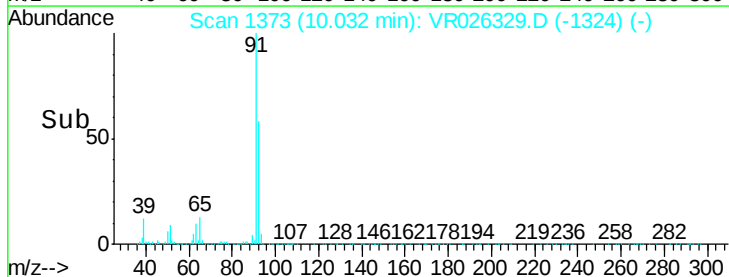
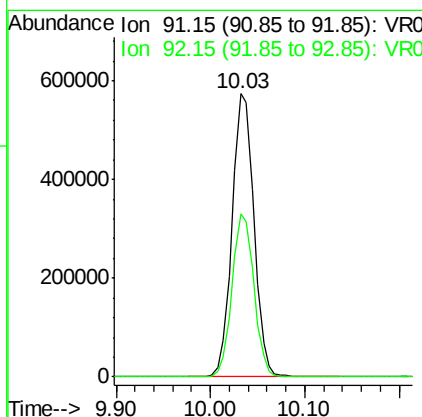
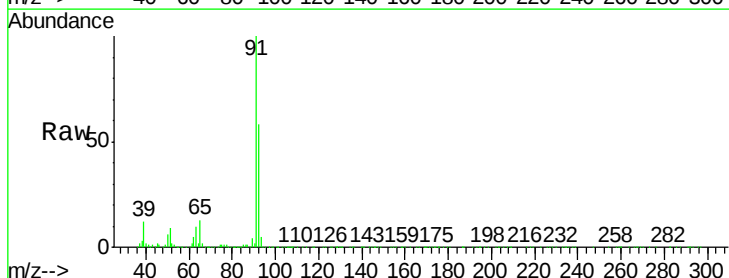
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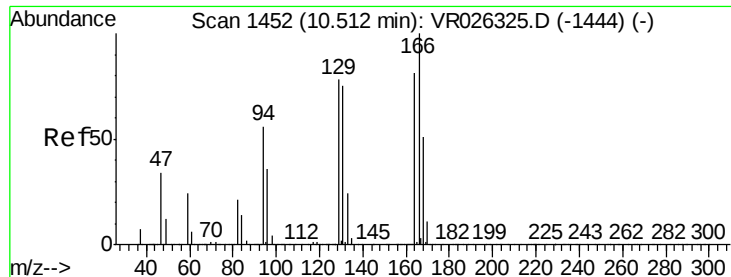
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#42
Toluene
Concen: 4.927 ug/L
RT: 10.03 min Scan# 1373
Delta R.T. 0.00 min
Lab File: VR026329.D
Acq: 15 Feb 2019 14:38

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.7	40.8	75.8





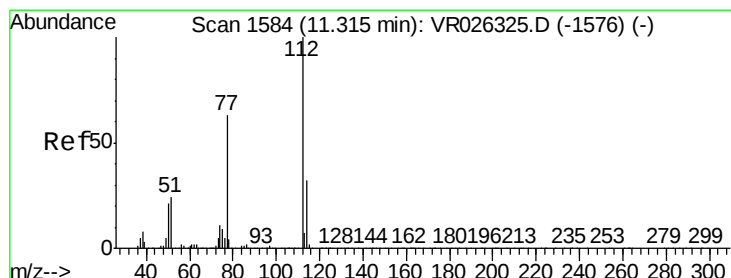
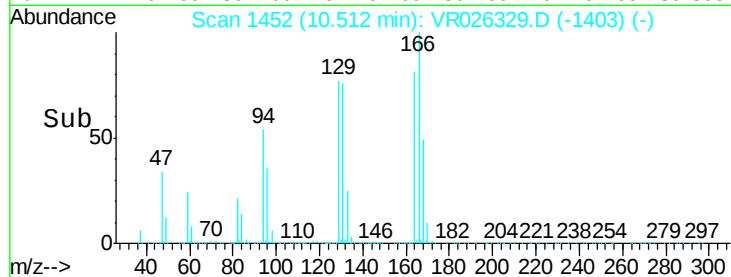
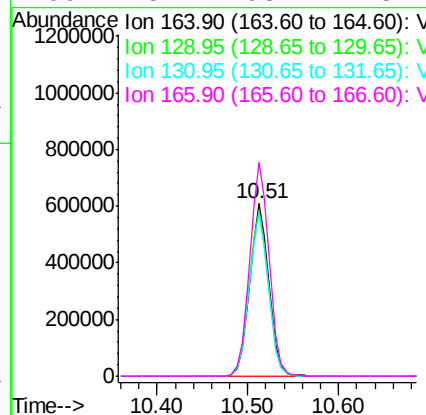
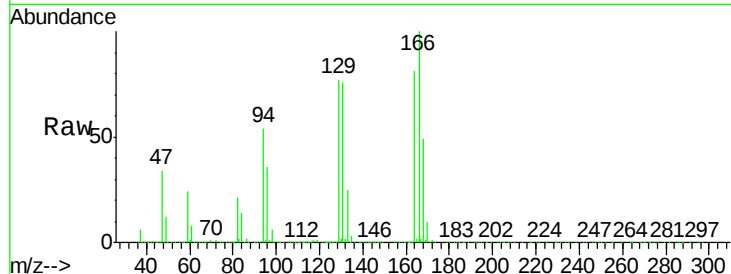
#47
Tetrachloroethene
Concen: 24.478 ug/L
RT: 10.51 min Scan# 1452
Delta R.T. 0.00 min
Lab File: VR026329.D
Acq: 15 Feb 2019 14:38

Instrument :
MSVOA_R
ClientSampleId :
ESXF7MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	884732		
129	95.5	71.5	132.9	
131	94.1	72.8	135.2	
166	123.7	93.4	173.4	

Manual Integrations
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#51
Chlorobenzene
Concen: 4.569 ug/L
RT: 11.32 min Scan# 1584
Delta R.T. 0.00 min
Lab File: VR026329.D
Acq: 15 Feb 2019 14:38

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	490548		
114	33.1	22.5	41.9	
77	64.1	51.3	76.9	

