

Data File : VR026328.D
Acq On : 15 Feb 2019 14:05
Operator : SY/MD
Sample : K1488-21MS
Misc : 25mL/MSVOA_R/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_R
ClientSampleId :
ESXF7MS

Quant Time: Feb 16 03:23:29 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	596136	5.00	ug/L	0.00
28) Chlorobenzene-d5	11.29	117	470915	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.23	152	138945	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.16	65	230891	4.25	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.00%
7) Chloroethane-d5	2.63	69	197633	4.44	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	88.80%
11) 1,1-Dichloroethene-d2	3.61	63	579765	4.44	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	88.80%
20) 2-Butanone-d5	6.58	46	186548	53.83	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	107.66%
24) Chloroform-d	7.20	84	375572	4.16	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	83.20%
26) 1,2-Dichloroethane-d4	7.89	65	145674	4.43	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	88.60%
32) Benzene-d6	7.85	84	787957	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	8.89	67	197913	4.81	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.20%
41) Toluene-d8	9.97	98	708768	4.72	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	94.40%
43) trans-1,3-Dichloropropene-	10.24	79	47645	4.29	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	85.80%
46) 2-Hexanone-d5	10.59	63	138852	55.13	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	110.26%
57) 1,1,2,2-Tetrachloroethane-	12.36	84	66128	4.23	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	84.60%
64) 1,2-Dichlorobenzene-d4	13.52	152	129890	5.59	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	111.80%

Target Compounds

					Qvalue
3) Chloromethane	1.99	50	15015	0.239 ug/L #	54
5) Vinyl chloride	2.17	62	303388	4.802 ug/L	98
12) 1,1-Dichloroethene	3.63	96	249849	4.387 ug/L	87
13) Acetone	3.71	43	11724	3.207 ug/L	51
18) trans-1,2-Dichloroethene	4.88	96	145134	2.808 ug/L	91
22) cis-1,2-Dichloroethene	6.67	96	2422070	58.089 ug/L #	90
27) 1,2-Dichloroethane	7.85	62	5530	0.148 ug/L	98
30) Cyclohexane	7.53	56	39980	0.644 ug/L	96
33) Benzene	7.90	78	880458	4.725 ug/L	100
34) Trichloroethene	8.71	95	813423	16.931 ug/L	98
35) Methylcyclohexane	8.95	83	14696	0.220 ug/L #	86
37) 1,2-Dichloropropane	8.90	63	23664	0.588 ug/L #	93
42) Toluene	10.03	91	930284	4.858 ug/L	98
44) trans-1,3-Dichloropropene	10.23	75	3121	0.102 ug/L #	34
47) Tetrachloroethene	10.51	164	927154	25.150 ug/L	94
48) 2-Hexanone	10.59	43	21258	3.409 ug/L #	67
49) Dibromochloromethane	10.51	129	745276	34.518 ug/L #	13

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_R\DATA\VR021519\
Quantitation Report (Not Reviewed)

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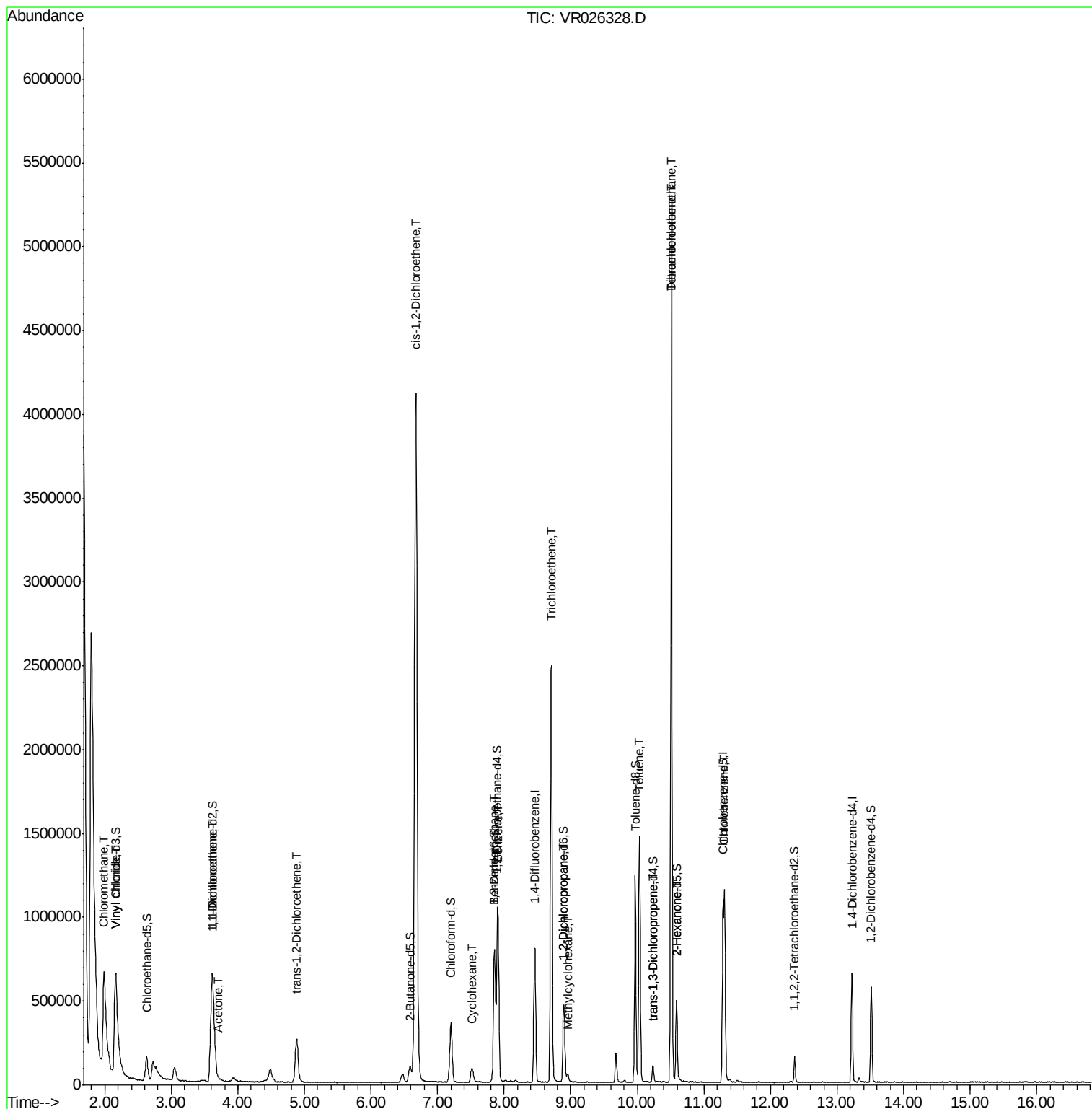
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
51) Chlorobenzene	11.32	112	489693	4.472	ug/L	99

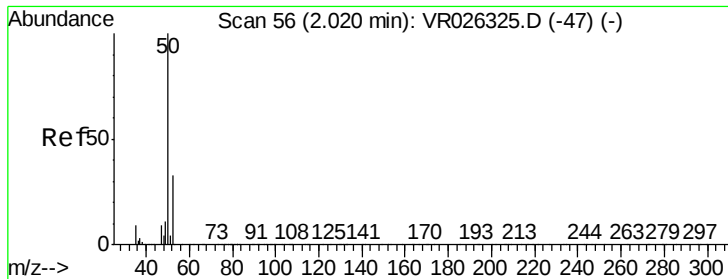
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.239 ug/L

RT: 1.99 min Scan# 51

Delta R.T. -0.03 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Instrument :

MSVOA_R

ClientSampleId :

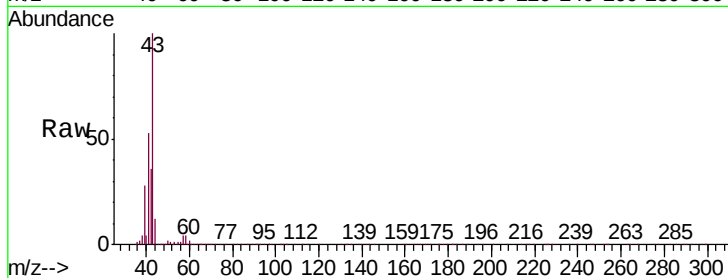
ESXF7MS

Tgt Ion: 50 Resp: 15015

Ion Ratio Lower Upper

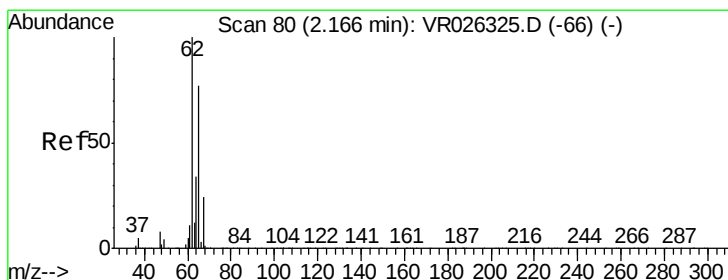
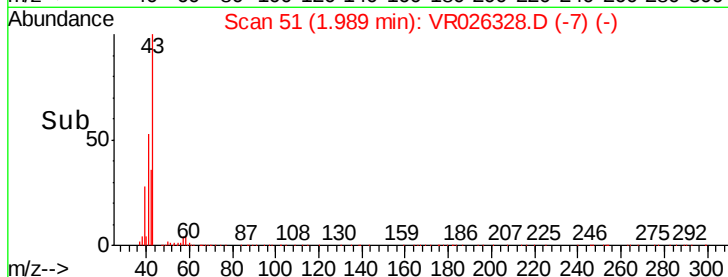
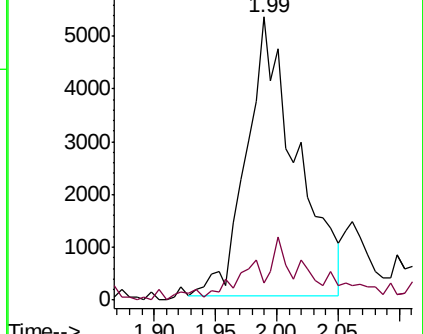
50 100

52 6.2 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VR0

Ion 52.05 (51.75 to 52.75): VR0



#5

Vinyl chloride

Concen: 4.802 ug/L

RT: 2.17 min Scan# 80

Delta R.T. -0.00 min

Lab File: VR026328.D

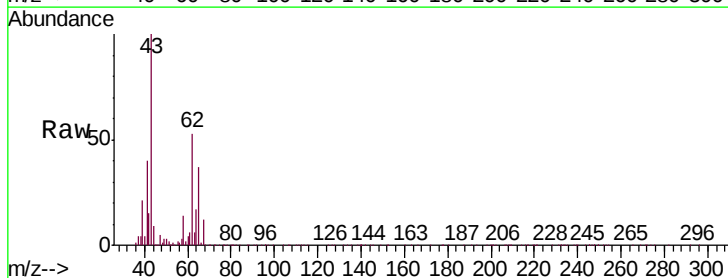
Acq: 15 Feb 2019 14:05

Tgt Ion: 62 Resp: 303388

Ion Ratio Lower Upper

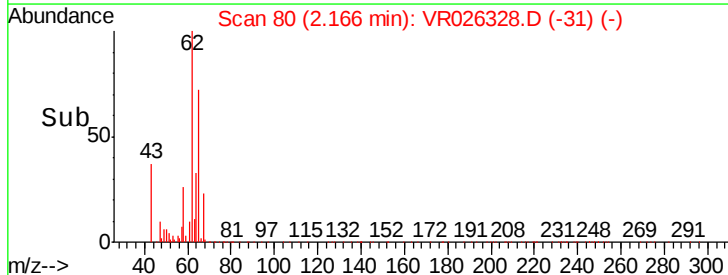
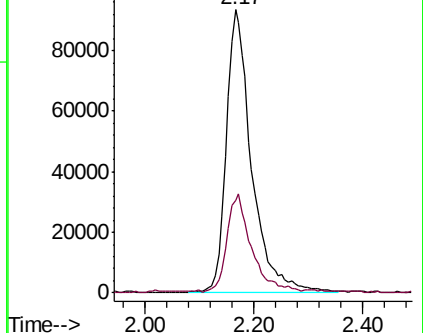
62 100

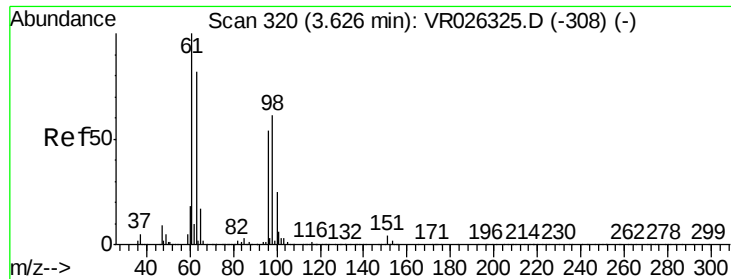
64 32.7 22.2 41.2



Abundance Ion 62.00 (61.70 to 62.70): VR0

Ion 64.10 (63.80 to 64.80): VR0





#12

1,1-Dichloroethene

Concen: 4.387 ug/L

RT: 3.63 min Scan# 320

Delta R.T. -0.00 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Instrument :

MSVOA_R

ClientSampleId :

ESXF7MS

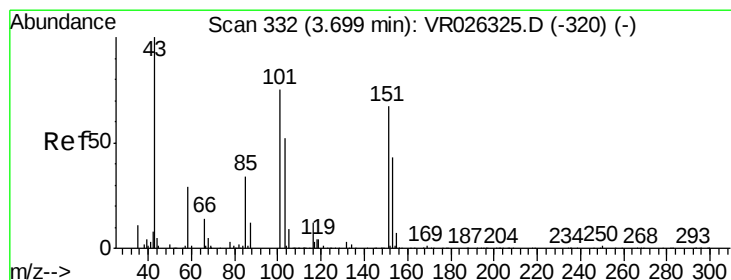
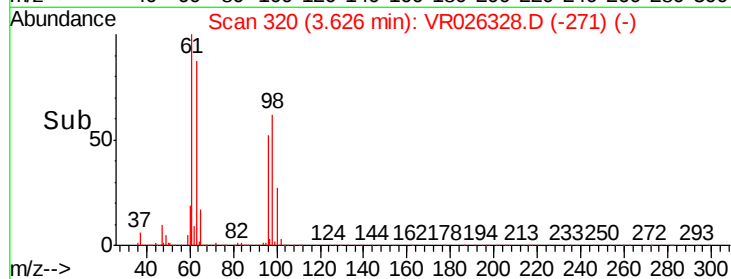
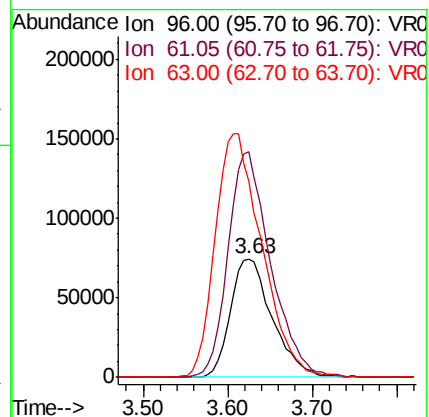
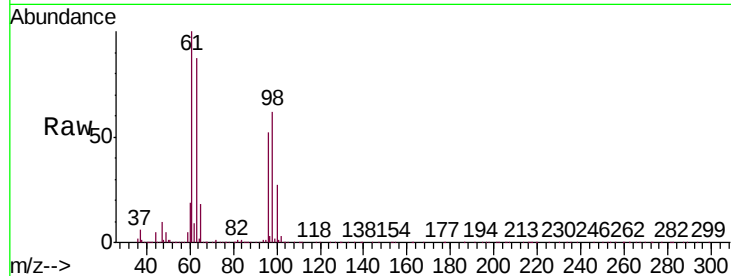
Tgt Ion: 96 Resp: 249849

Ion Ratio Lower Upper

96 100

61 191.1 126.0 234.0

63 166.2 99.7 185.1



#13

Acetone

Concen: 3.207 ug/L

RT: 3.71 min Scan# 334

Delta R.T. 0.01 min

Lab File: VR026328.D

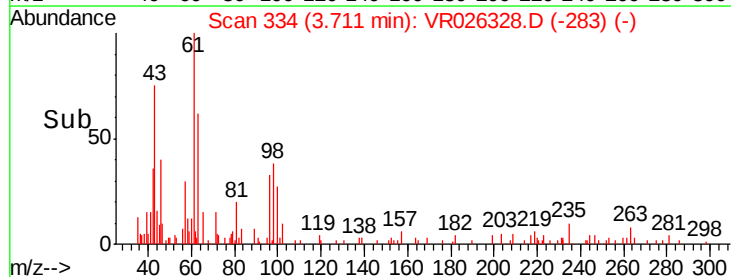
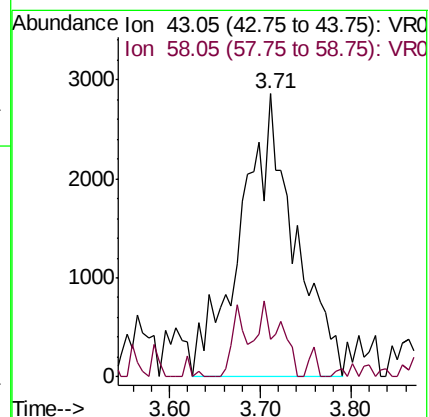
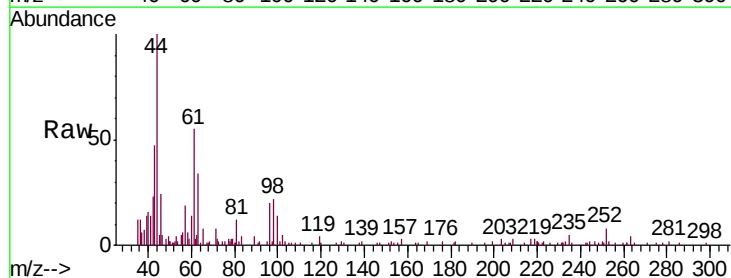
Acq: 15 Feb 2019 14:05

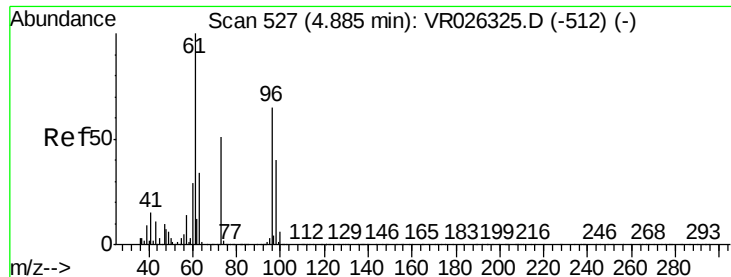
Tgt Ion: 43 Resp: 11724

Ion Ratio Lower Upper

43 100

58 2.2 0.0 56.6





#18

trans-1,2-Dichloroethene

Concen: 2.808 ug/L

RT: 4.88 min Scan# 527

Delta R.T. -0.00 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Instrument :

MSVOA_R

ClientSampleId :

ESXF7MS

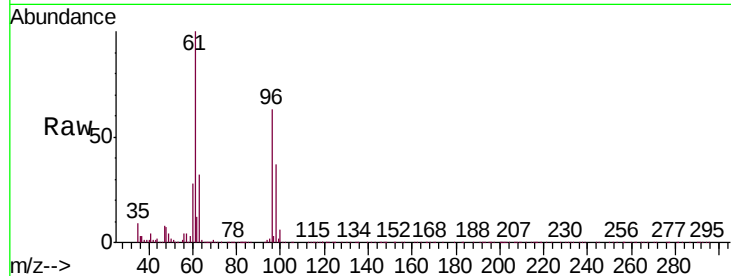
Tgt Ion: 96 Resp: 145134

Ion Ratio Lower Upper

96 100

61 159.9 102.5 190.3

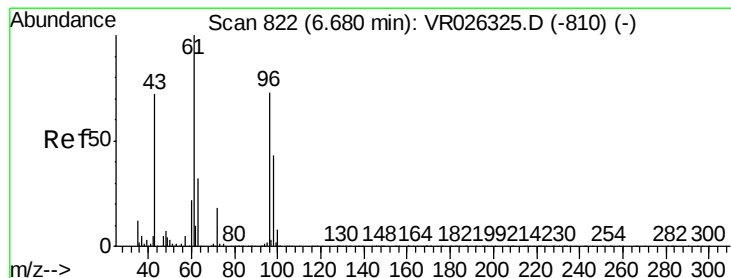
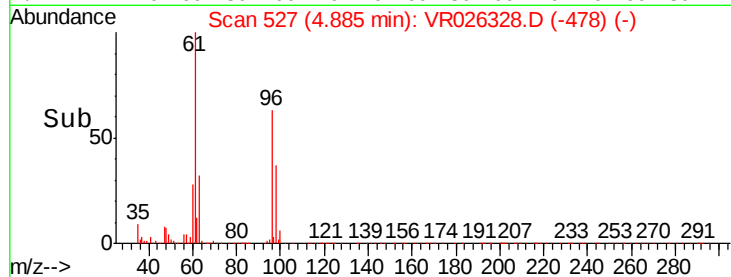
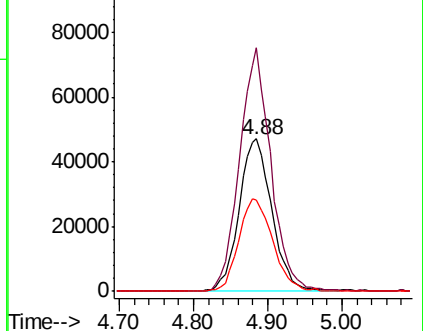
98 59.8 43.9 81.5



Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 97.95 (97.65 to 98.65): VR0



#22

cis-1,2-Dichloroethene

Concen: 58.089 ug/L

RT: 6.67 min Scan# 821

Delta R.T. -0.01 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

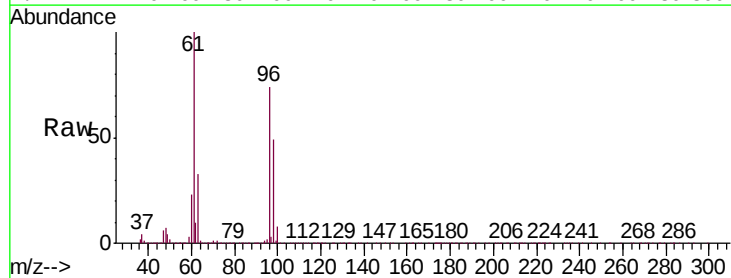
Tgt Ion: 96 Resp: 2422070

Ion Ratio Lower Upper

96 100

61 135.1 103.3 191.9

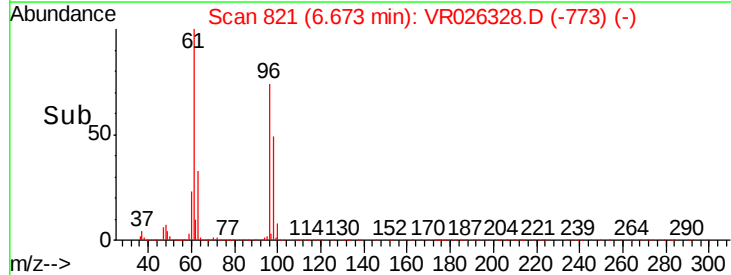
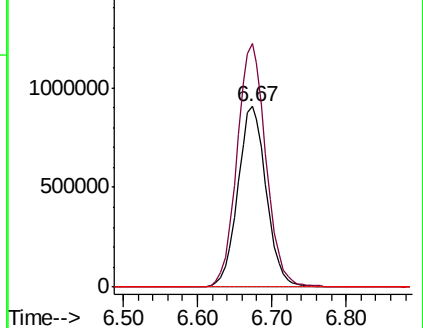
68 0.0 0.1 0.3#

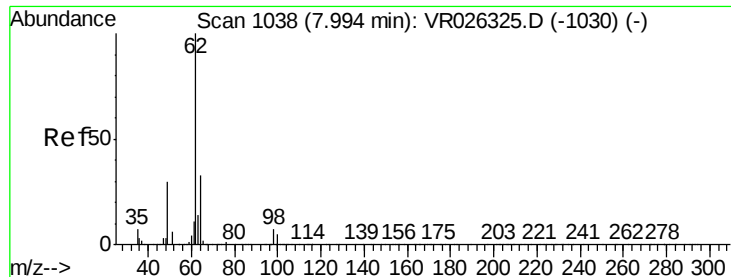


Abundance Ion 96.00 (95.70 to 96.70): VR0

Ion 61.05 (60.75 to 61.75): VR0

Ion 68.15 (67.85 to 68.85): VR0

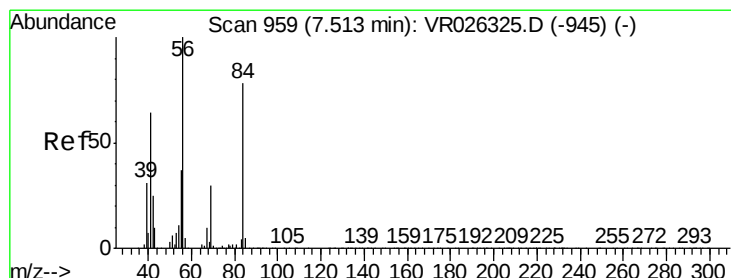
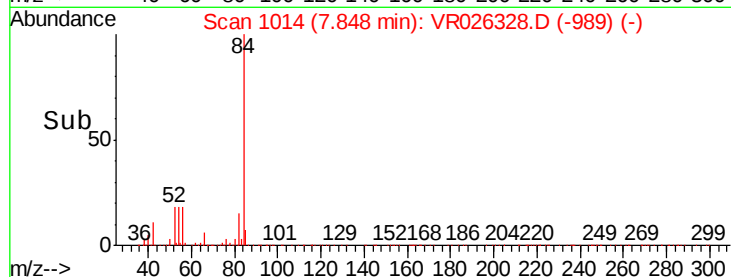
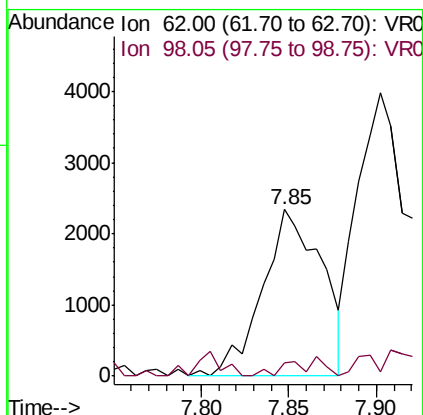
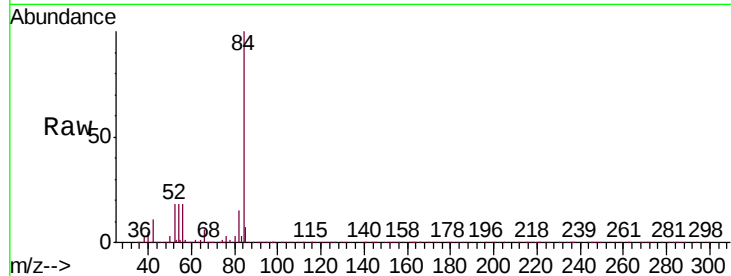




#27
 1,2-Dichloroethane
 Concen: 0.148 ug/L
 RT: 7.85 min Scan# 1014
 Delta R.T. -0.15 min
 Lab File: VR026328.D
 Acq: 15 Feb 2019 14:05

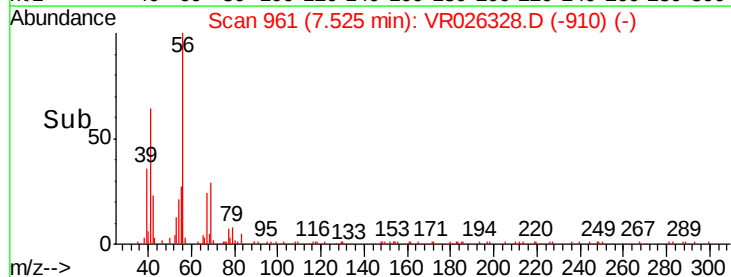
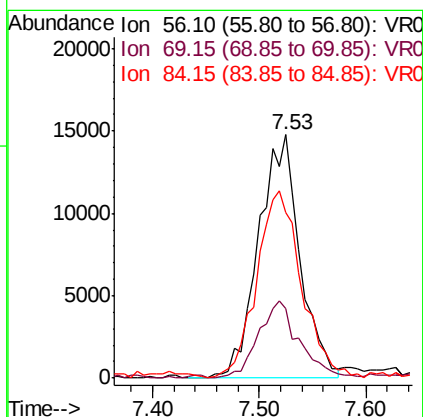
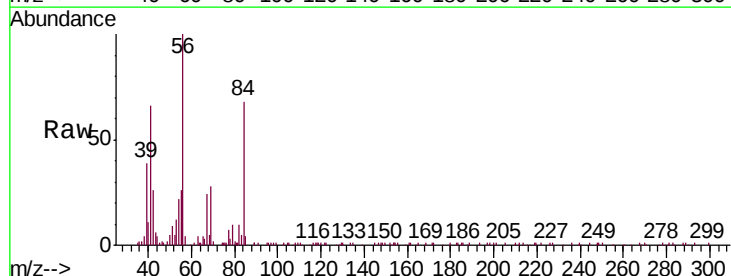
Instrument :
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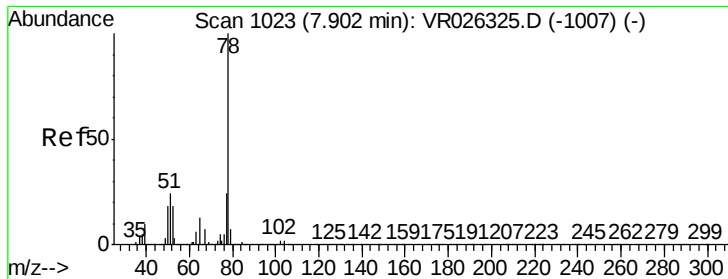
Tgt Ion: 62 Resp: 5530
 Ion Ratio Lower Upper
 62 100
 98 8.1 7.0 10.6



#30
 Cyclohexane
 Concen: 0.644 ug/L
 RT: 7.53 min Scan# 961
 Delta R.T. 0.01 min
 Lab File: VR026328.D
 Acq: 15 Feb 2019 14:05

Tgt Ion: 56 Resp: 39980
 Ion Ratio Lower Upper
 56 100
 69 31.1 23.4 35.2
 84 83.3 63.8 95.6





#33

Benzene

Concen: 4.725 ug/L

RT: 7.90 min Scan# 1023

Delta R.T. -0.00 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

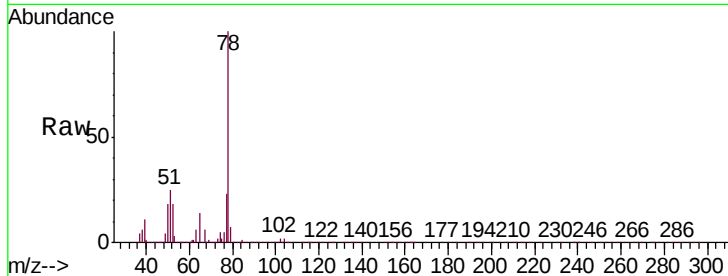
Instrument :

MSVOA_R

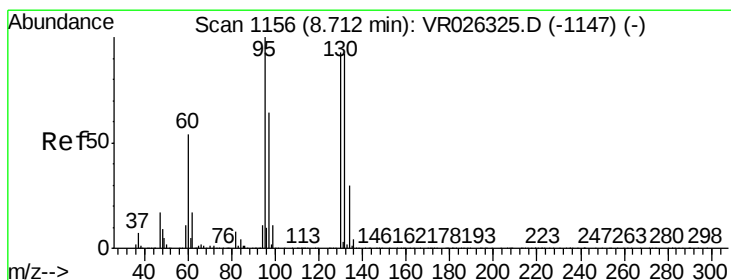
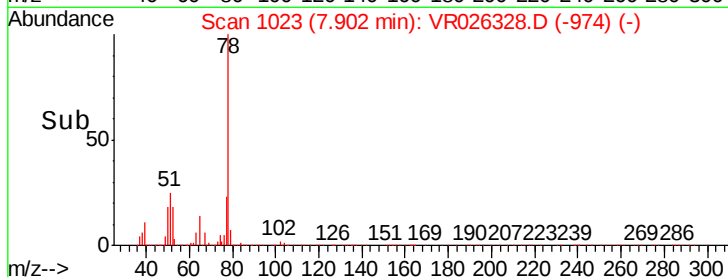
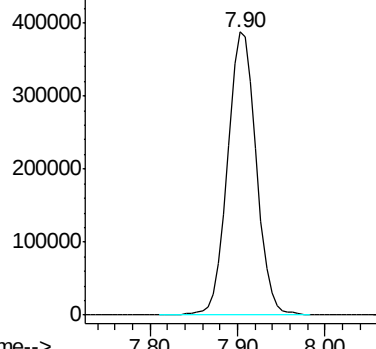
ClientSampleId :

ESXF7MS

Tgt Ion: 78 Resp: 880458



Abundance Ion 78.10 (77.80 to 78.80): VR0



#34

Trichloroethene

Concen: 16.931 ug/L

RT: 8.71 min Scan# 1156

Delta R.T. -0.00 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Tgt Ion: 95 Resp: 813423

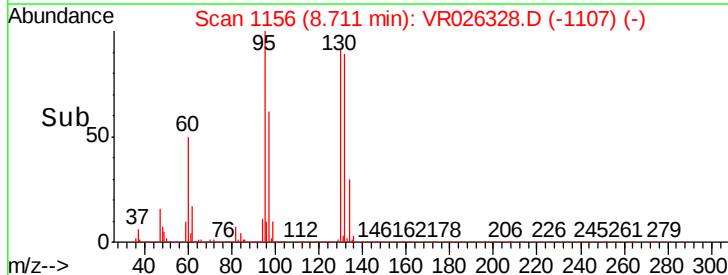
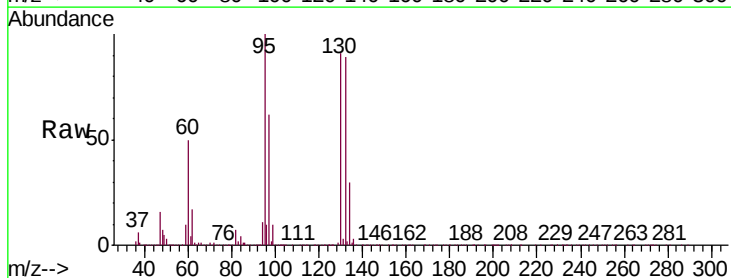
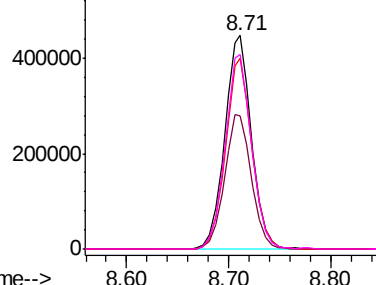
Ion	Ratio	Lower	Upper
95	100		
97	62.1	46.6	86.6
132	89.0	61.9	114.9
130	91.1	64.3	119.5

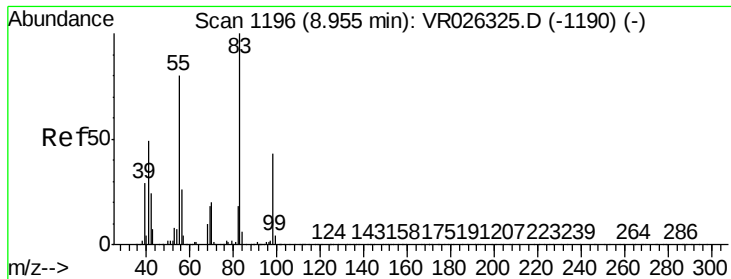
Abundance Ion 95.00 (94.70 to 95.70): VR0

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

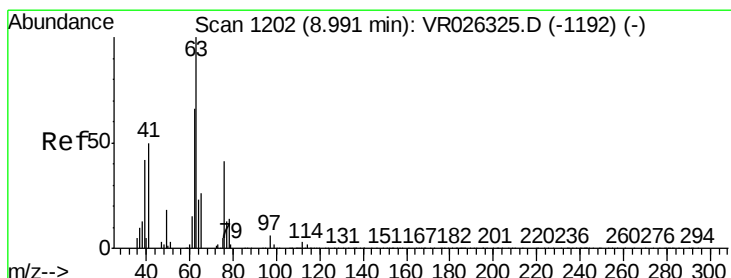
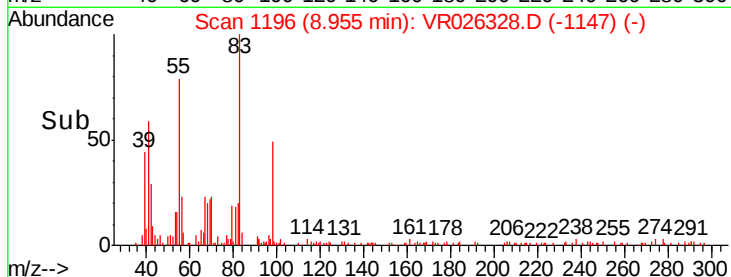
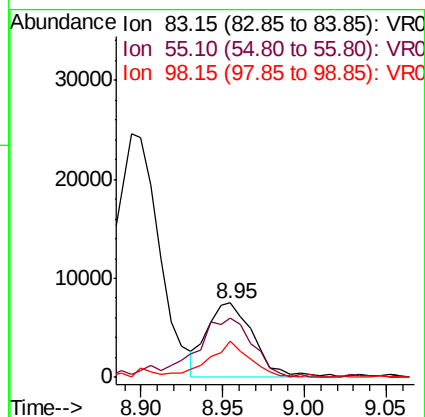
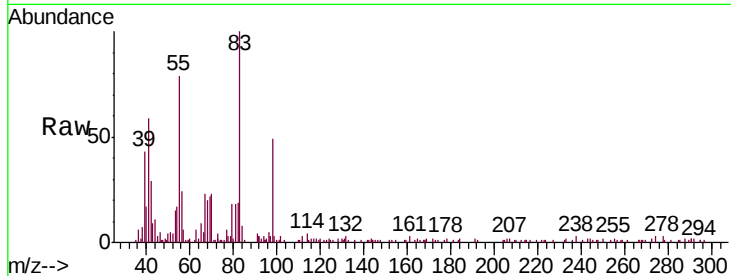




#35
Methylcyclohexane
Concen: 0.220 ug/L
RT: 8.95 min Scan# 1196
Delta R.T. -0.00 min
Lab File: VR026328.D
Acq: 15 Feb 2019 14:05

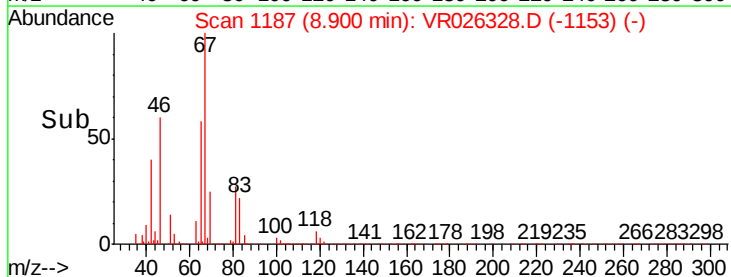
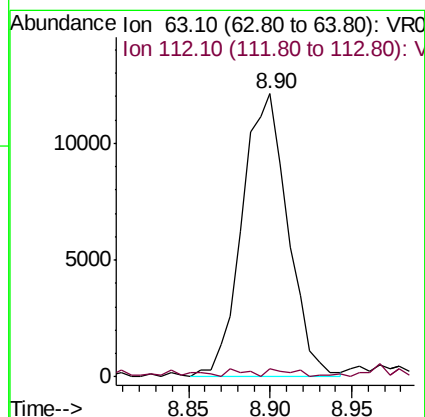
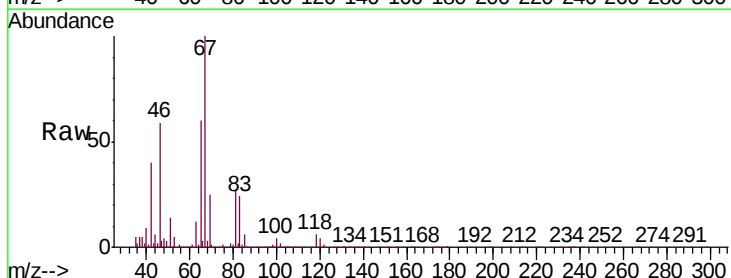
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ESXF7MS

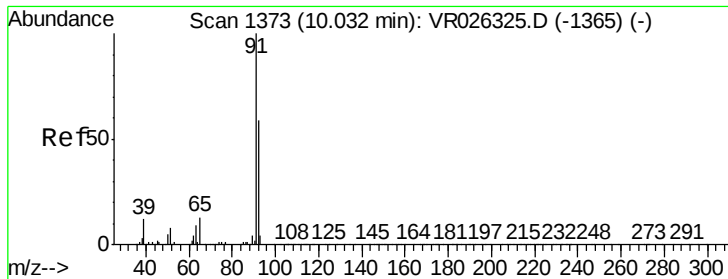
Tgt Ion: 83 Resp: 14696
Ion Ratio Lower Upper
83 100
55 105.0 68.8 103.2#
98 43.9 36.3 54.5



#37
1,2-Dichloropropane
Concen: 0.588 ug/L
RT: 8.90 min Scan# 1187
Delta R.T. -0.09 min
Lab File: VR026328.D
Acq: 15 Feb 2019 14:05

Tgt Ion: 63 Resp: 23664
Ion Ratio Lower Upper
63 100
112 2.0 3.3 4.9#





#42

Toluene

Concen: 4.858 ug/L

RT: 10.03 min Scan# 1373

Delta R.T. -0.00 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Instrument :

MSVOA_R

ClientSampleId :

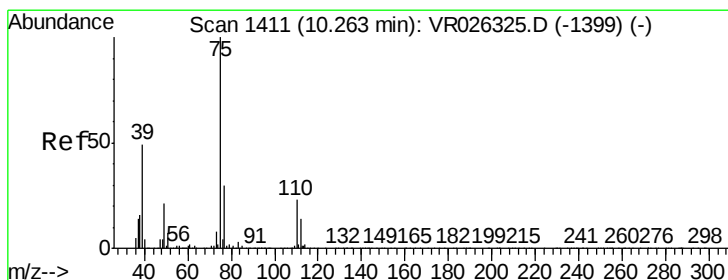
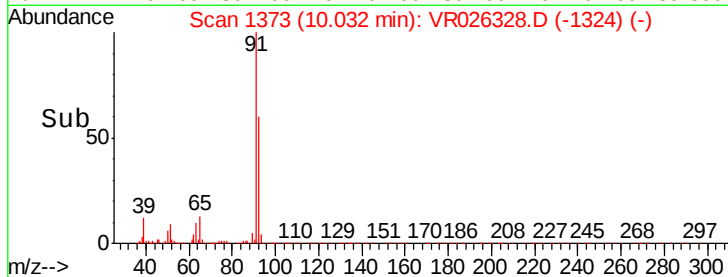
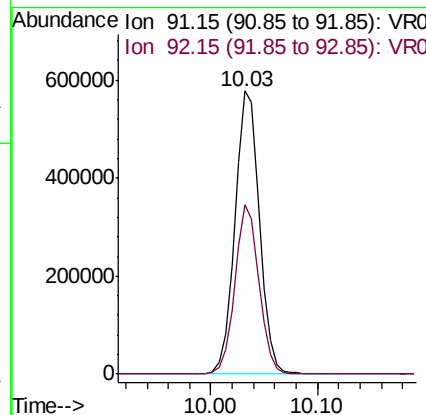
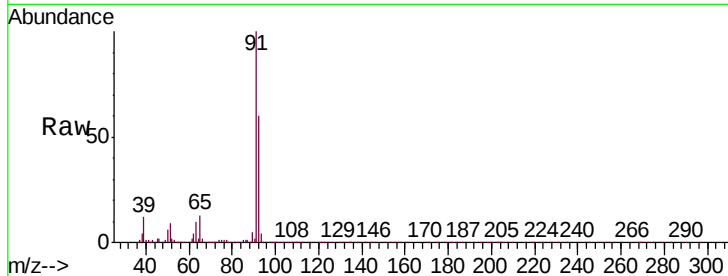
ESXF7MS

Tgt Ion: 91 Resp: 930284

Ion Ratio Lower Upper

91 100

92 59.9 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 0.102 ug/L

RT: 10.23 min Scan# 1406

Delta R.T. -0.03 min

Lab File: VR026328.D

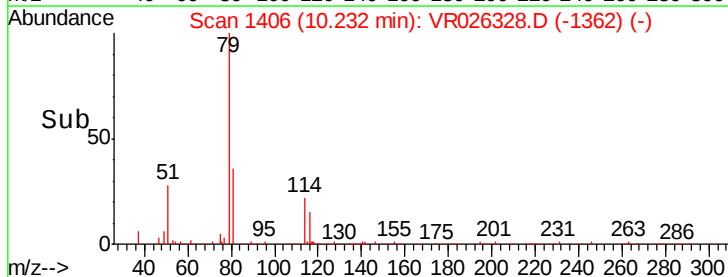
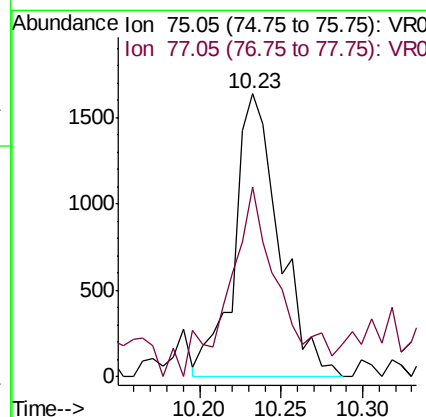
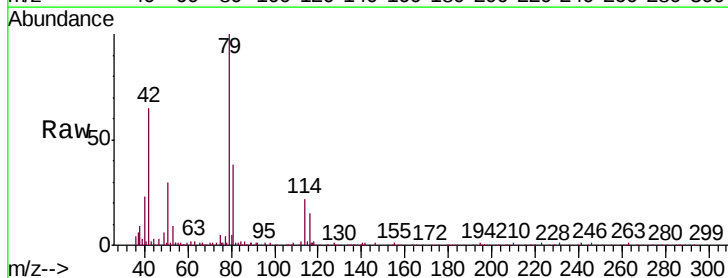
Acq: 15 Feb 2019 14:05

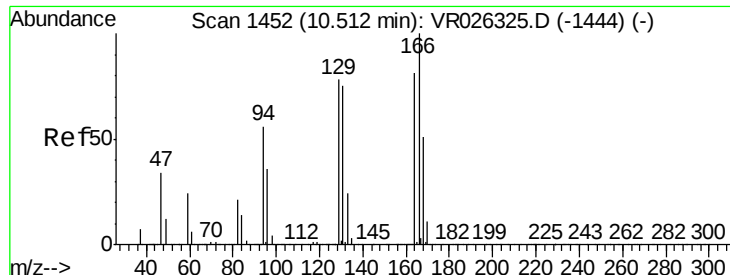
Tgt Ion: 75 Resp: 3121

Ion Ratio Lower Upper

75 100

77 67.3 21.6 40.2#





#47

Tetrachloroethene

Concen: 25.150 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Instrument :

MSVOA_R

ClientSampleId :

ESXF7MS

Tgt Ion:164 Resp: 927154

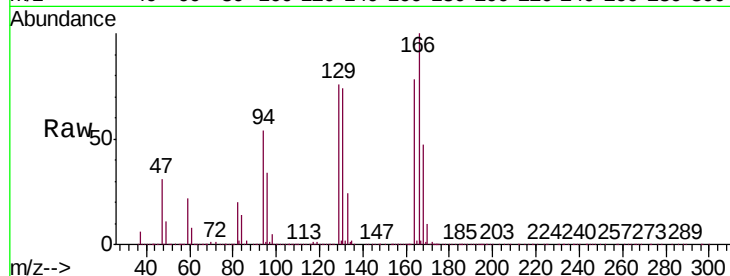
Ion Ratio Lower Upper

164 100

129 97.8 71.5 132.9

131 94.7 72.8 135.2

166 128.6 93.4 173.4

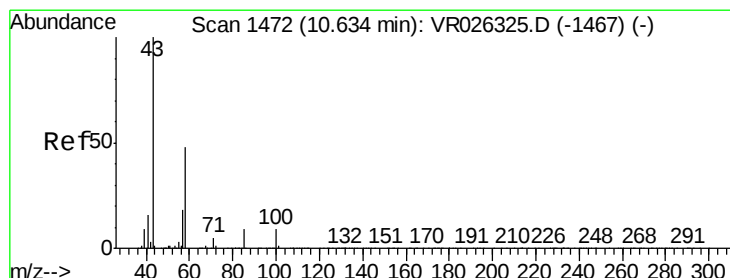
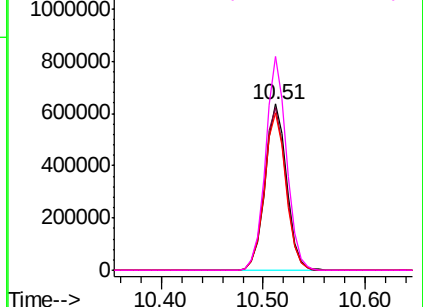
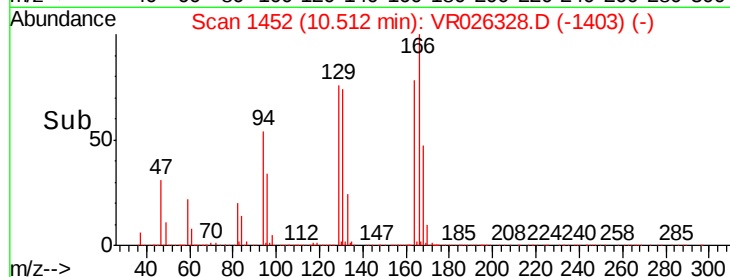


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V



#48

2-Hexanone

Concen: 3.409 ug/L

RT: 10.59 min Scan# 1464

Delta R.T. -0.05 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Tgt Ion: 43 Resp: 21258

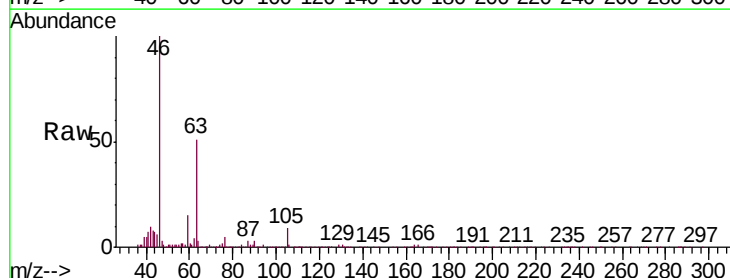
Ion Ratio Lower Upper

43 100

58 24.0 41.2 61.8#

57 27.1 13.8 20.8#

100 2.7 7.8 11.6#

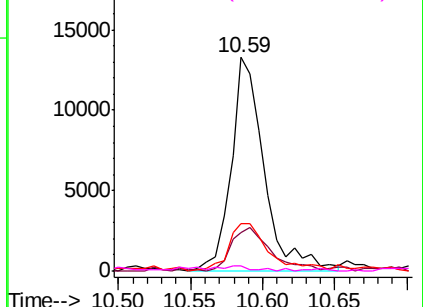
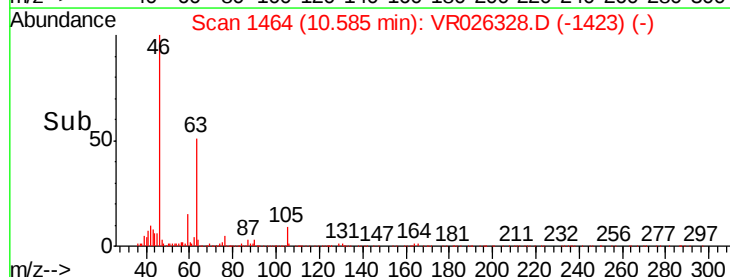


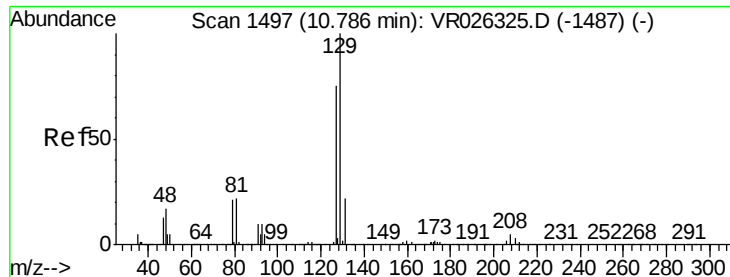
Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0





#49

Dibromochloromethane

Concen: 34.518 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.27 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Instrument :

MSVOA_R

ClientSampleId :

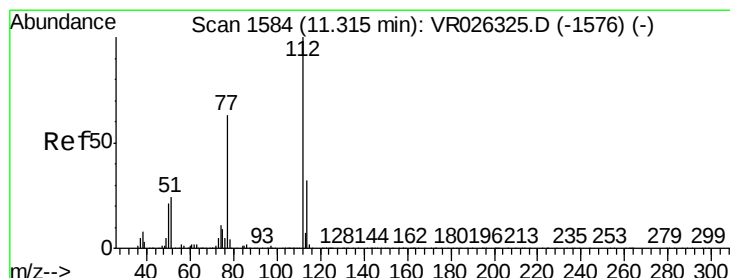
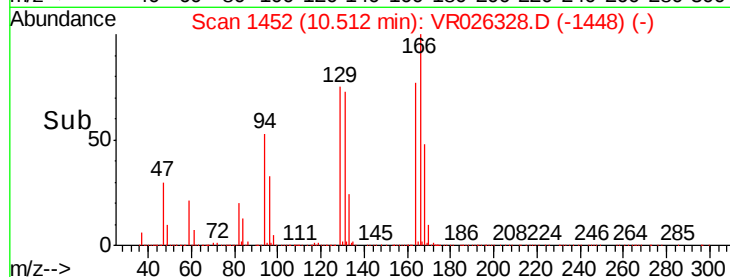
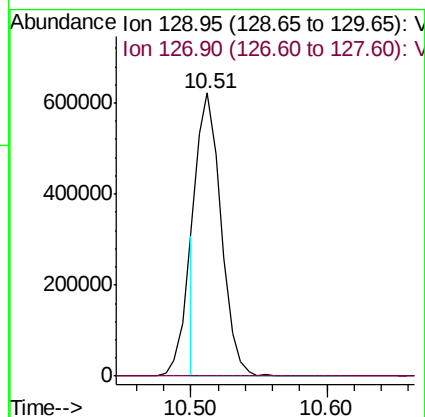
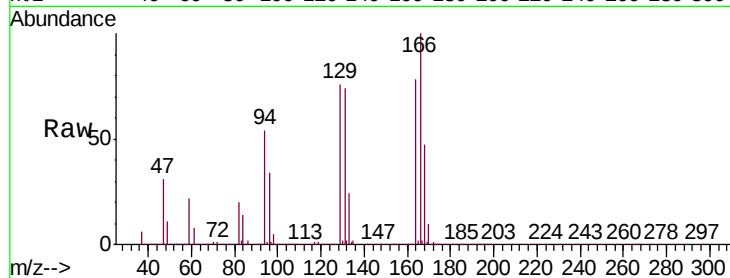
ESXF7MS

Tgt Ion:129 Resp: 745276

Ion Ratio Lower Upper

129 100

127 0.0 51.4 95.5#



#51

Chlorobenzene

Concen: 4.472 ug/L

RT: 11.32 min Scan# 1584

Delta R.T. -0.00 min

Lab File: VR026328.D

Acq: 15 Feb 2019 14:05

Tgt Ion:112 Resp: 489693

Ion Ratio Lower Upper

112 100

114 33.4 22.5 41.9

77 64.1 51.3 76.9

