

Data File : VV011301.D
Acq On : 07 Jun 2019 21:21
Operator : SY/MD
Sample : K3026-09DL 10X
Misc : 25ML/MSVOA_V/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
BFCN7DL

Quant Time: Jun 08 00:45:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR060419WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 08 00:40:24 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	160518	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	147383	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	58815	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	43359	3.56	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	71.20%
7) Chloroethane-d5	1.58	69	36380	3.60	ug/L	0.03
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.00%
11) 1,1-Dichloroethene-d2	2.11	63	76928	3.17	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	63.40%
20) 2-Butanone-d5	3.97	46	157105	57.37	ug/L	0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	114.74%
24) Chloroform-d	4.40	84	96532	4.51	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.20%
26) 1,2-Dichloroethane-d4	0.00	65	0	0.00	ug/L	
Spiked Amount	5.000	Range	70 - 130	Recovery	=	0.00%#
32) Benzene-d6	5.09	84	192723	4.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	87.40%
36) 1,2-Dichloropropane-d6	6.12	67	61952	4.56	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	91.20%
41) Toluene-d8	7.36	98	165126	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.60%
43) trans-1,3-Dichloropropene-	7.66	79	18983	3.67	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	73.40%
46) 2-Hexanone-d5	8.14	63	123756	56.58	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	113.16%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	45568	4.92	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	98.40%
64) 1,2-Dichlorobenzene-d4	11.67	152	55877	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
3) Chloromethane	1.25	50	1713	0.112 ug/L	98
5) Vinyl chloride	1.32	62	2127	0.144 ug/L #	49
6) Bromomethane	1.53	94	1725	0.225 ug/L	90
8) Chloroethane	1.52	64	810	0.086 ug/L #	66
12) 1,1-Dichloroethene	2.12	96	1756	0.174 ug/L #	1
15) Methyl Acetate	2.47	43	637	0.131 ug/L #	76
16) Methylene chloride	2.53	84	4091	0.393 ug/L	96
17) Methyl tert-butyl Ether	2.81	73	14335	0.531 ug/L #	92
18) trans-1,2-Dichloroethene	2.78	96	8929	0.789 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	47602	3.796 ug/L	98
34) Trichloroethene	5.95	95	126057	10.405 ug/L	97
35) Methylcyclohexane	6.12	83	15131	0.755 ug/L #	16
42) Toluene	7.43	91	5948	0.119 ug/L	98
44) trans-1,3-Dichloropropene	7.66	75	1620	0.125 ug/L #	75
47) Tetrachloroethene	8.02	164	10402	1.188 ug/L	96
48) 2-Hexanone	8.14	43	16384	3.161 ug/L #	70
59) 1,2,3-Trichloropropane	10.32	75	780	0.115 ug/L	93

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV060619\
Quantitation Report (Not Reviewed)

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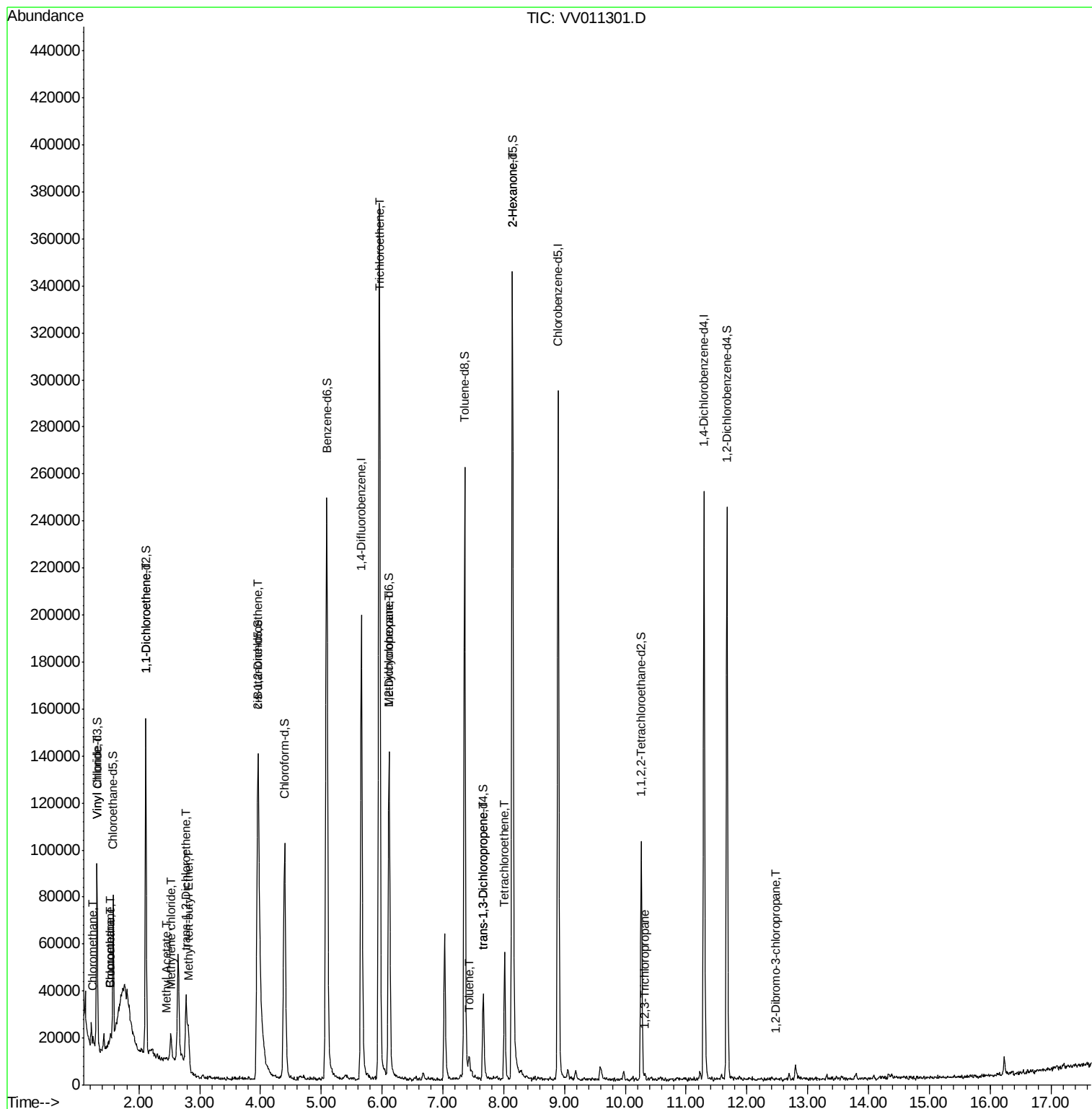
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
66) 1,2-Dibromo-3-chloropropan	12.49	75	108	0.084	ug/L #	8

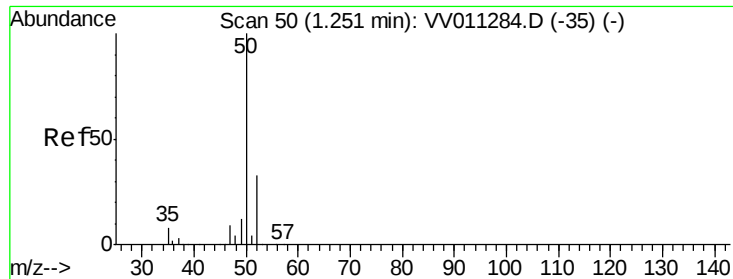
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.112 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011301.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

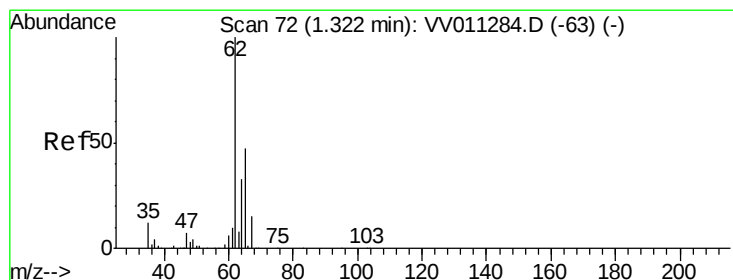
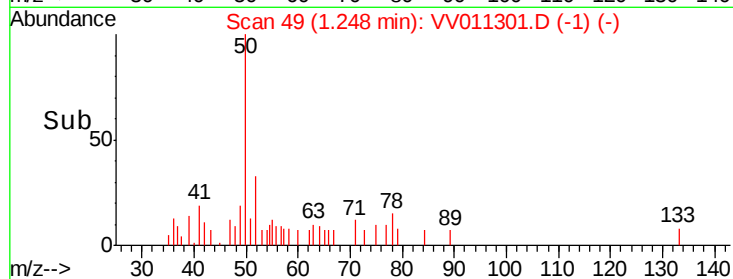
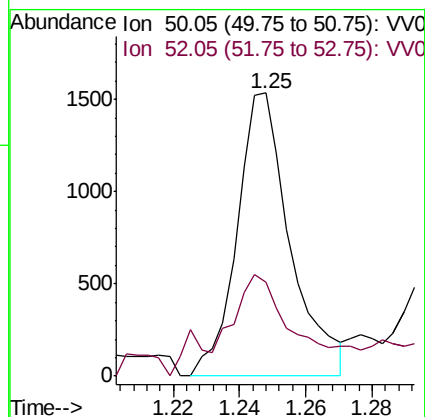
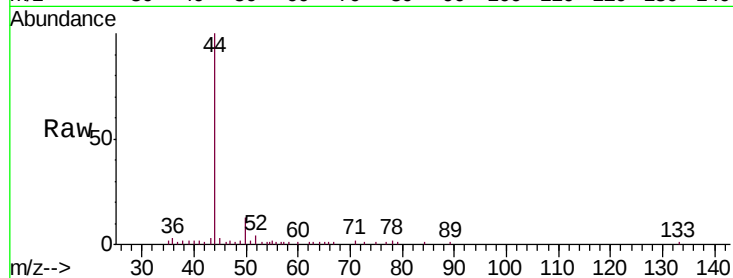
BFCN7DL

Tgt Ion: 50 Resp: 1713

Ion Ratio Lower Upper

50 100

52 33.1 22.3 41.5



#5

Vinyl chloride

Concen: 0.144 ug/L

RT: 1.32 min Scan# 70

Delta R.T. -0.01 min

Lab File: VV011301.D

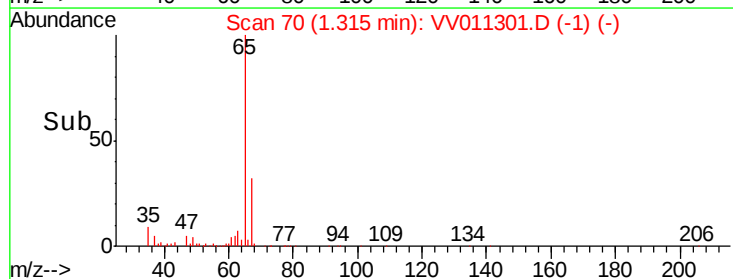
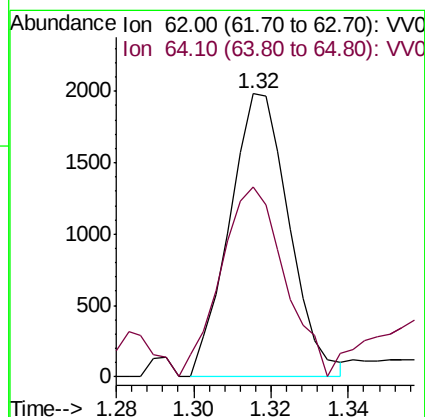
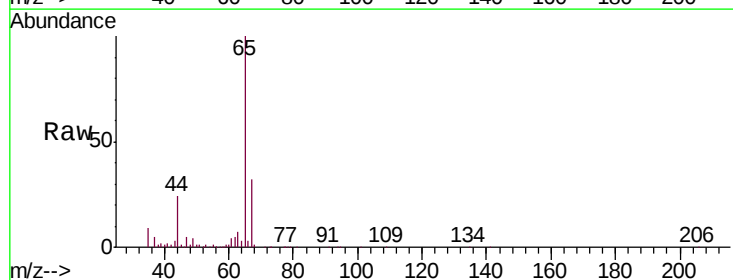
Acq: 07 Jun 2019 21:21

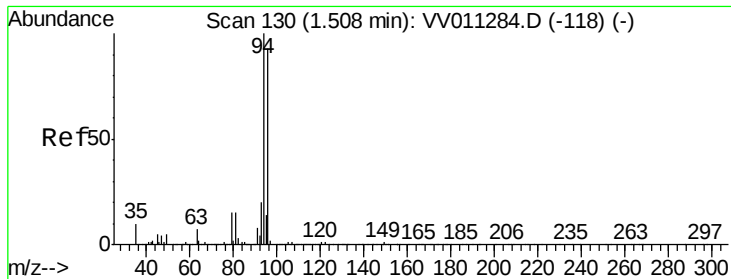
Tgt Ion: 62 Resp: 2127

Ion Ratio Lower Upper

62 100

64 67.3 25.9 48.1#





#6

Bromomethane

Concen: 0.225 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.02 min

Lab File: VV011301.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

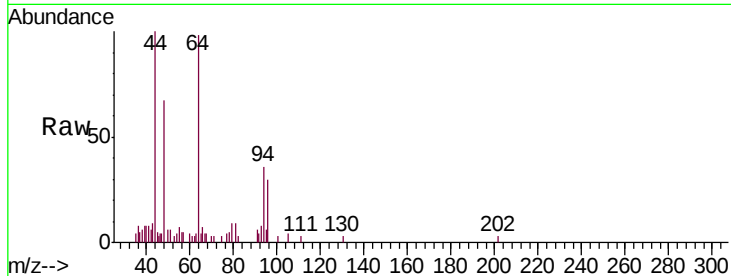
BFCN7DL

Tgt Ion: 94 Resp: 1725

Ion Ratio Lower Upper

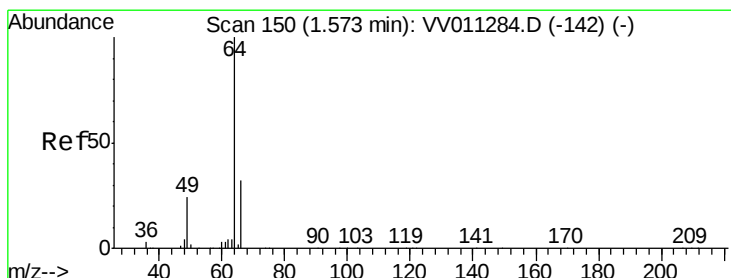
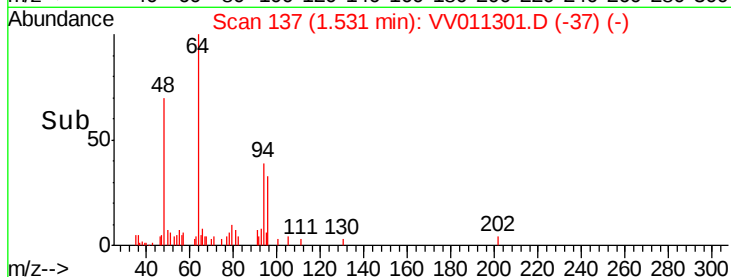
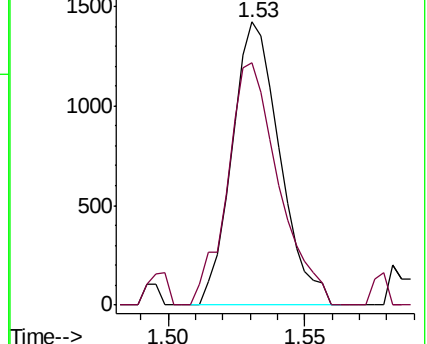
94 100

96 85.6 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0



#8

Chloroethane

Concen: 0.086 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.05 min

Lab File: VV011301.D

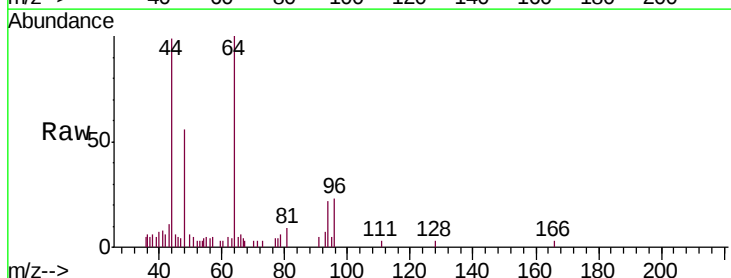
Acq: 07 Jun 2019 21:21

Tgt Ion: 64 Resp: 810

Ion Ratio Lower Upper

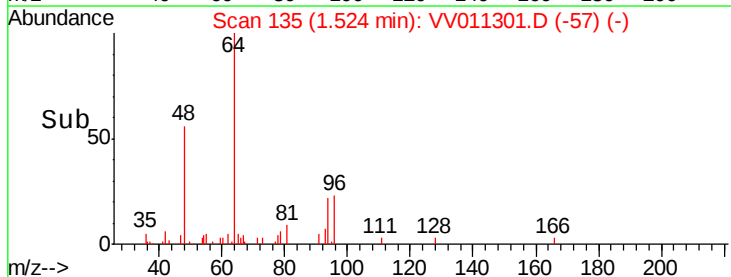
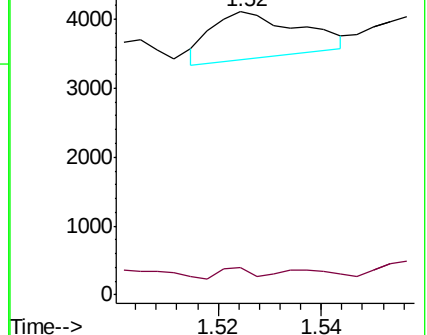
64 100

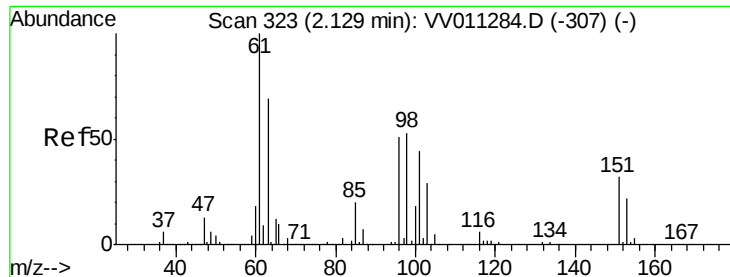
66 9.8 19.4 36.0#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0





#12

1,1-Dichloroethene

Concen: 0.174 ug/L

RT: 2.12 min Scan# 321

Delta R.T. -0.01 min

Lab File: VV011301.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

BFCN7DL

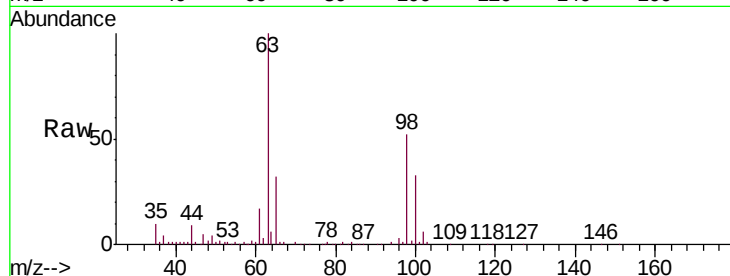
Tgt Ion: 96 Resp: 1756

Ion Ratio Lower Upper

96 100

61 634.6 139.8 259.6#

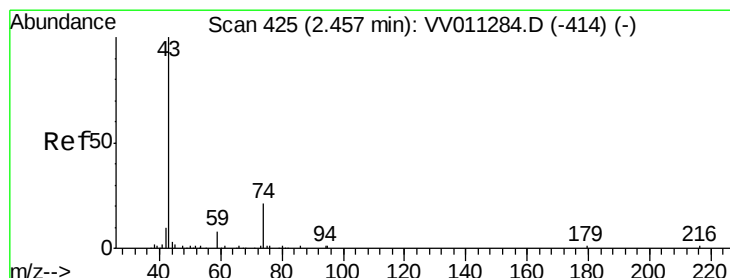
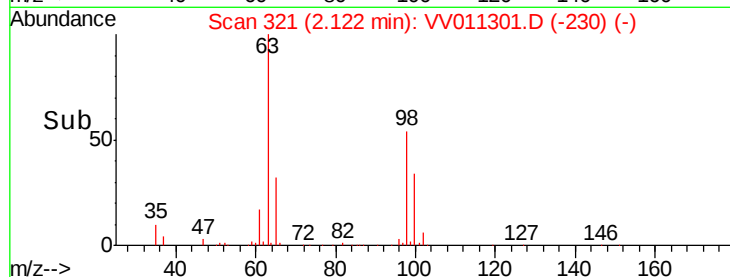
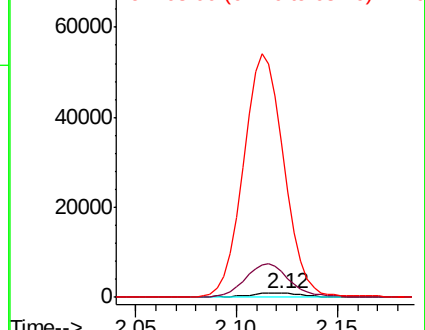
63 3807.8 94.3 175.1#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0



#15

Methyl Acetate

Concen: 0.131 ug/L

RT: 2.47 min Scan# 429

Delta R.T. 0.01 min

Lab File: VV011301.D

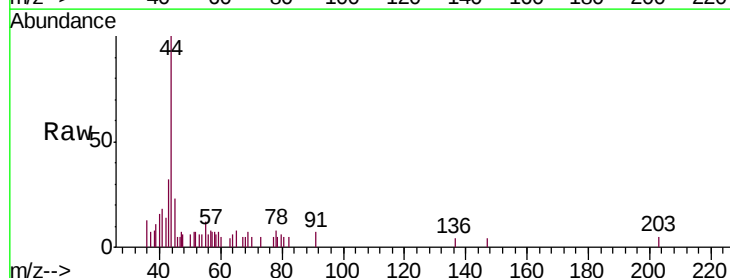
Acq: 07 Jun 2019 21:21

Tgt Ion: 43 Resp: 637

Ion Ratio Lower Upper

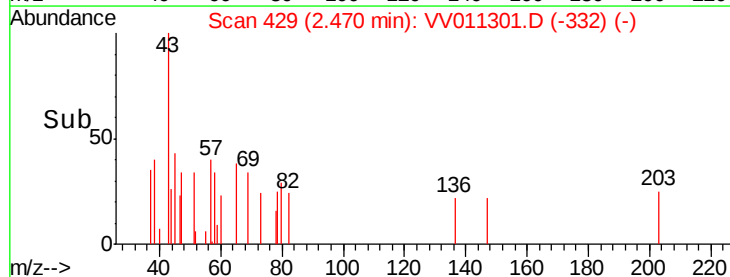
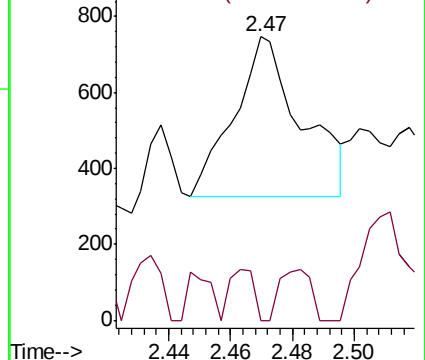
43 100

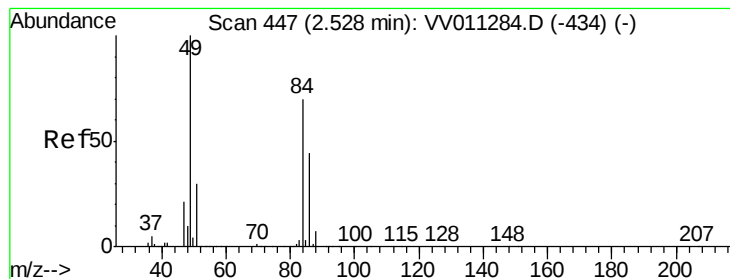
74 11.3 18.5 27.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0





#16

Methylene chloride

Concen: 0.393 ug/L

RT: 2.53 min Scan# 447

Delta R.T. -0.00 min

Lab File: VV011301.D

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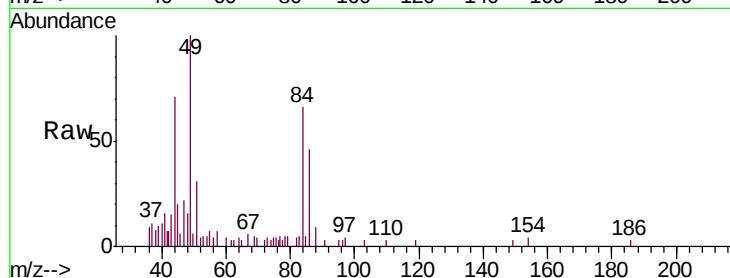
Tgt Ion: 84 Resp: 4091

Ion Ratio Lower Upper

84 100

86 68.7 44.9 83.3

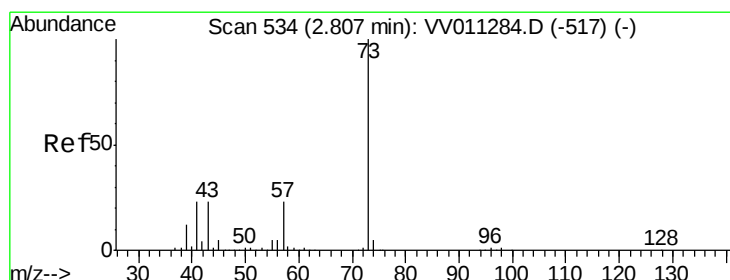
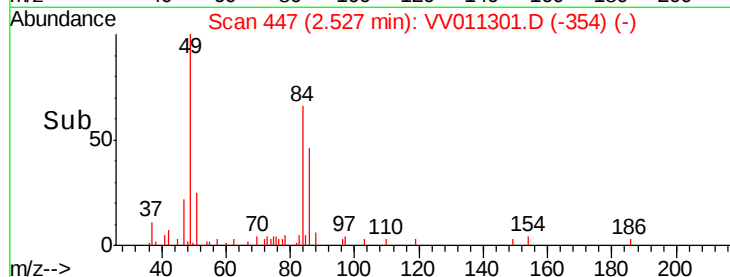
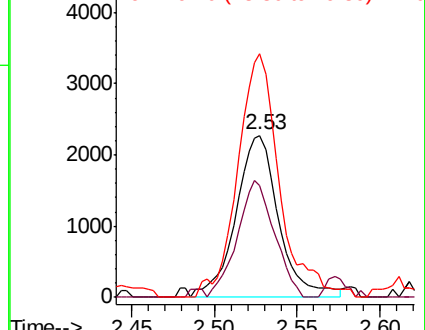
49 150.4 102.1 189.5



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0



#17

Methyl tert-butyl Ether

Concen: 0.531 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV011301.D

Acq: 07 Jun 2019 21:21

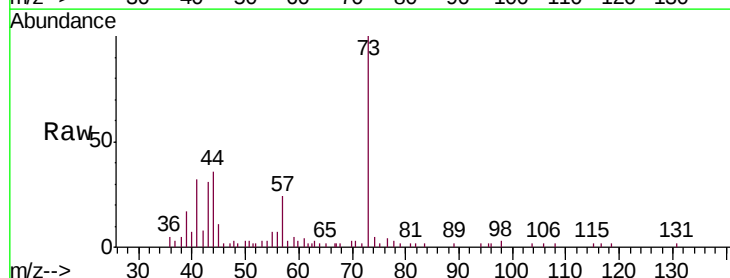
Tgt Ion: 73 Resp: 14335

Ion Ratio Lower Upper

73 100

43 26.0 18.7 28.1

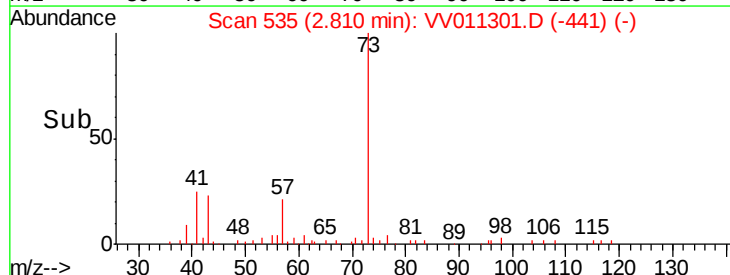
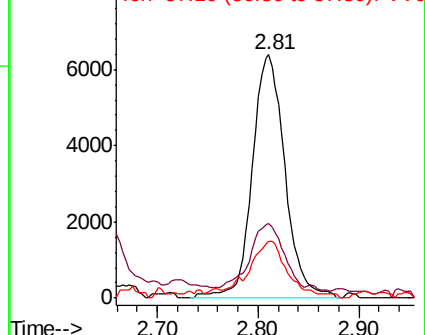
57 27.9 18.1 27.1#

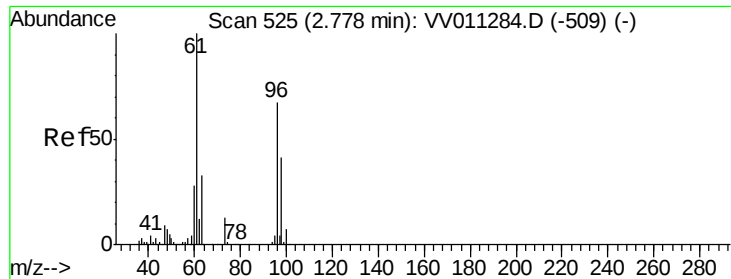


Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0





#18

trans-1,2-Dichloroethene

Concen: 0.789 ug/L

RT: 2.78 min Scan# 524

Delta R.T. -0.00 min

Lab File: VV011301.D

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ClientSampleId :

BFCN7DL

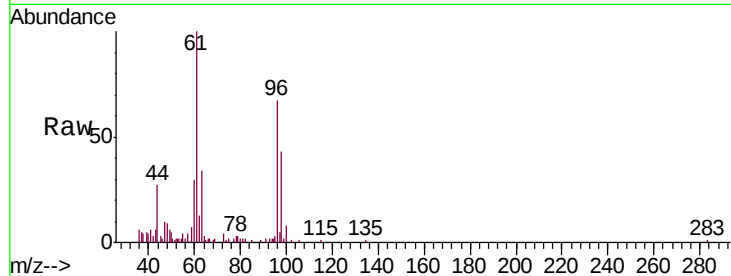
Tgt Ion: 96 Resp: 8929

Ion Ratio Lower Upper

96 100

61 148.7 104.0 193.2

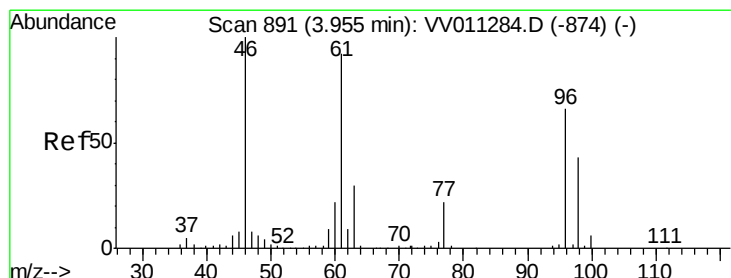
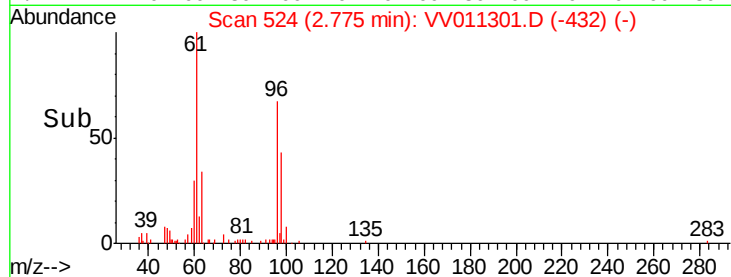
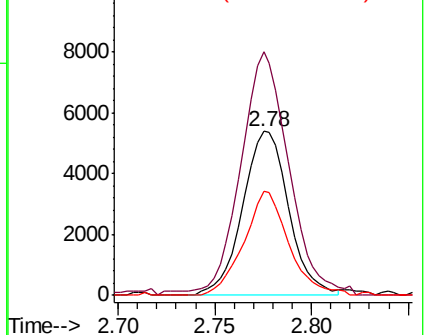
98 63.8 45.7 84.9



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



#22

cis-1,2-Dichloroethene

Concen: 3.796 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV011301.D

Acq: 07 Jun 2019 21:21

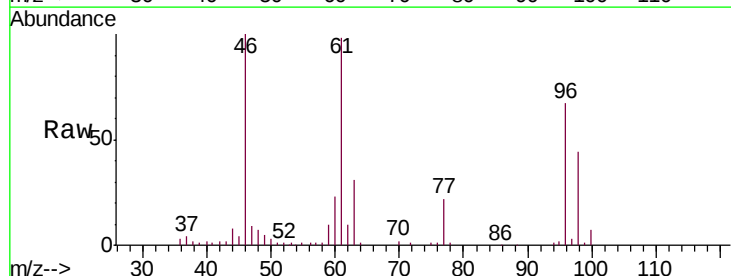
Tgt Ion: 96 Resp: 47602

Ion Ratio Lower Upper

96 100

61 146.1 100.8 187.2

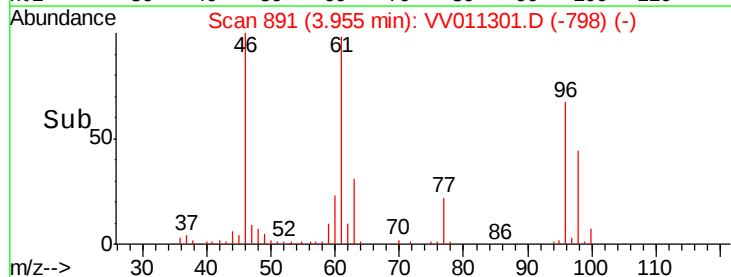
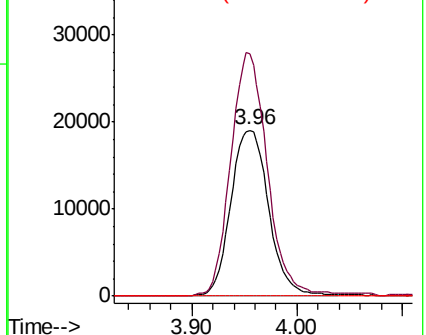
68 0.0 0.0 0.0

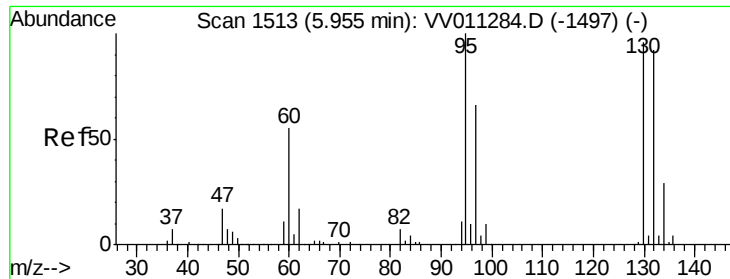


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0





#34

Trichloroethene

Concen: 10.405 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV011301.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

BFCN7DL

Tgt Ion: 95 Resp: 126057

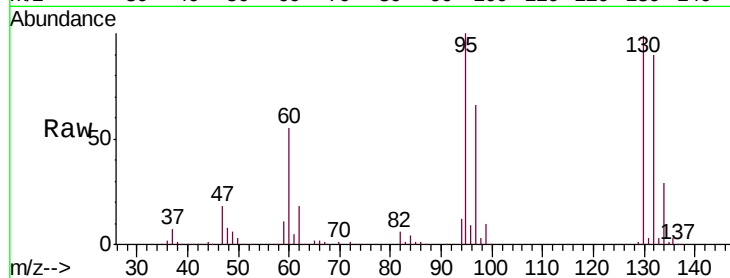
Ion Ratio Lower Upper

95 100

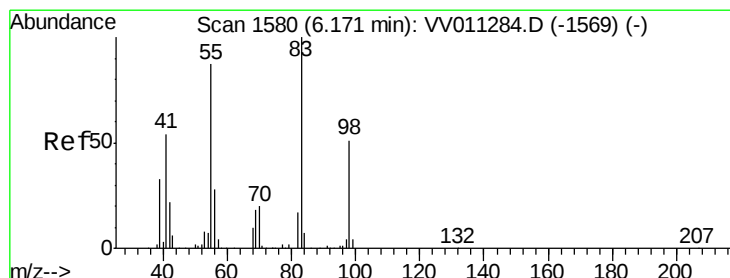
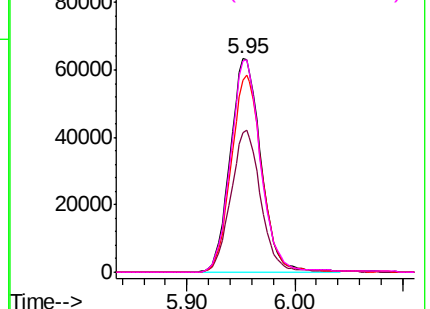
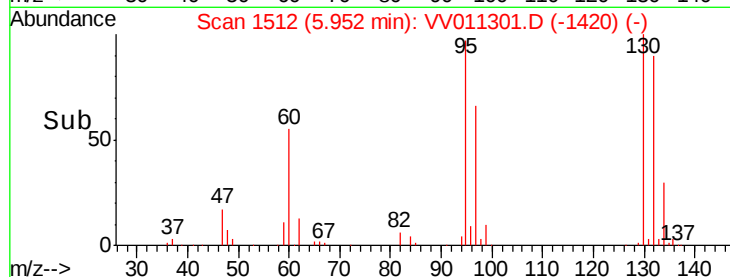
97 65.6 45.8 85.2

132 89.7 66.4 123.2

130 99.2 68.3 126.8



Abundance Ion 95.00 (94.70 to 95.70): VV011301.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.755 ug/L

RT: 6.12 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VV011301.D

Acq: 07 Jun 2019 21:21

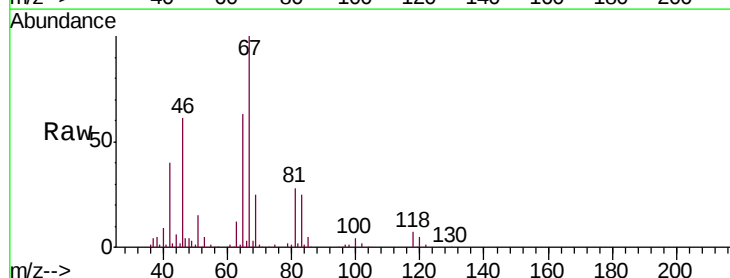
Tgt Ion: 83 Resp: 15131

Ion Ratio Lower Upper

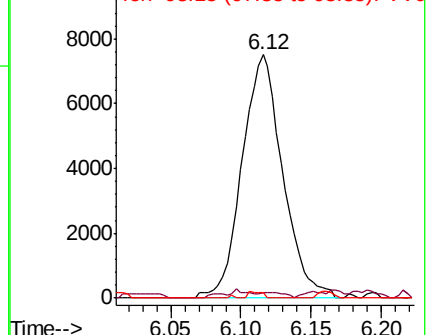
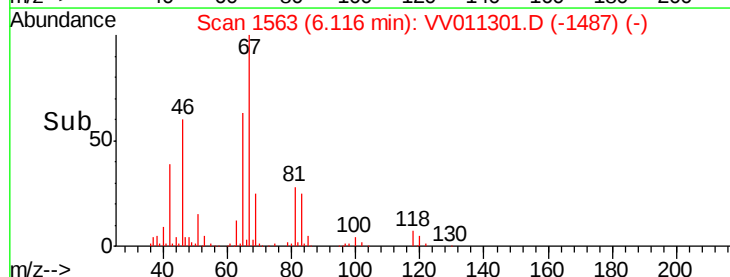
83 100

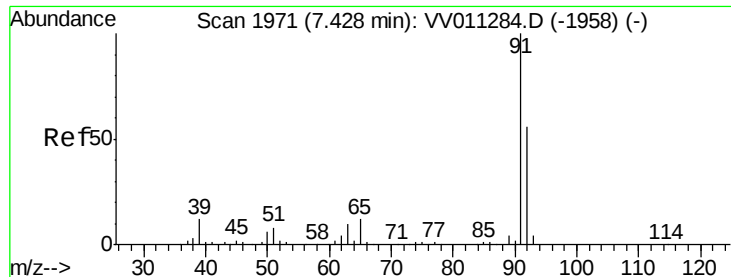
55 1.5 67.0 100.6#

98 0.9 40.0 60.0#



Abundance Ion 83.15 (82.85 to 83.85): VV011301.D (-1487) (-)





#42

Toluene

Concen: 0.119 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV011301.D

Acq: 07 Jun 2019 21:21

Instrument :

MSVOA_V

ClientSampleId :

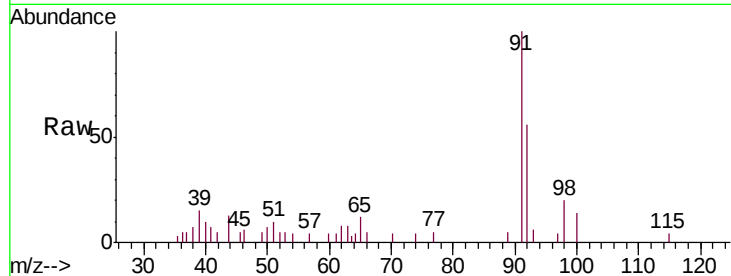
BFCN7DL

Tgt Ion: 91 Resp: 5948

Ion Ratio Lower Upper

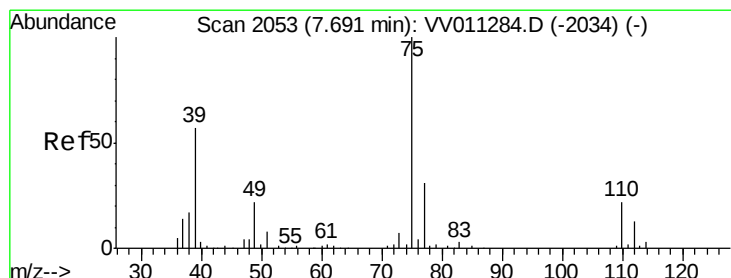
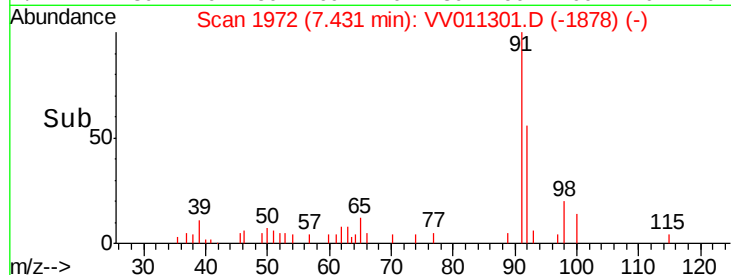
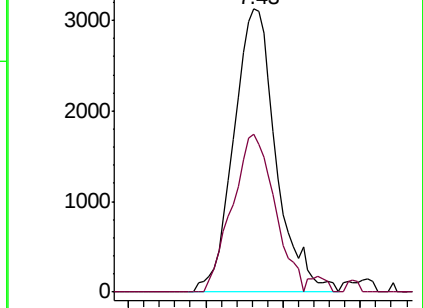
91 100

92 55.8 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.125 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV011301.D

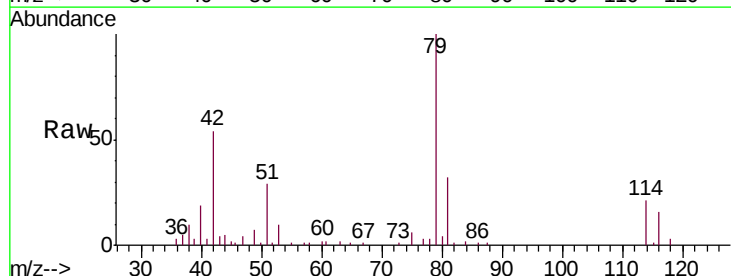
Acq: 07 Jun 2019 21:21

Tgt Ion: 75 Resp: 1620

Ion Ratio Lower Upper

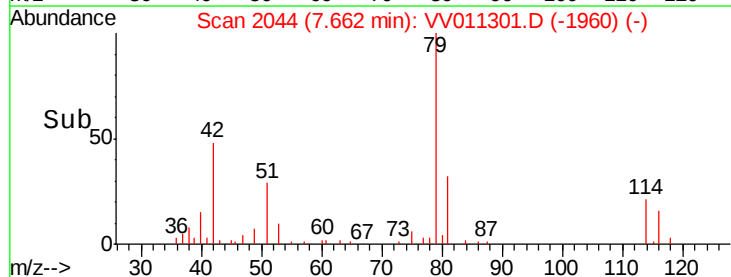
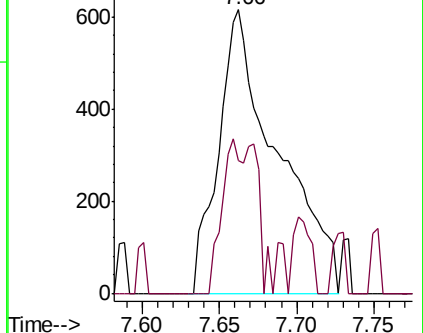
75 100

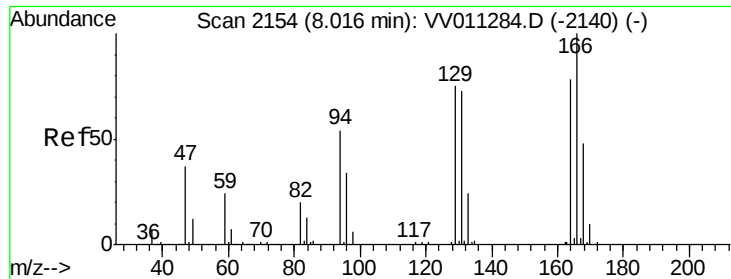
77 46.9 23.1 42.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

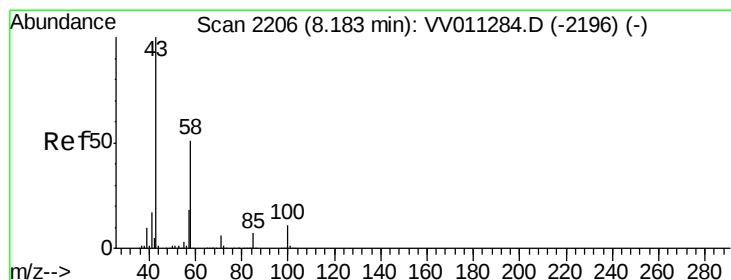
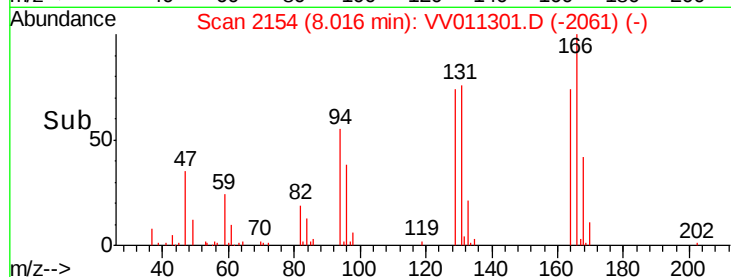
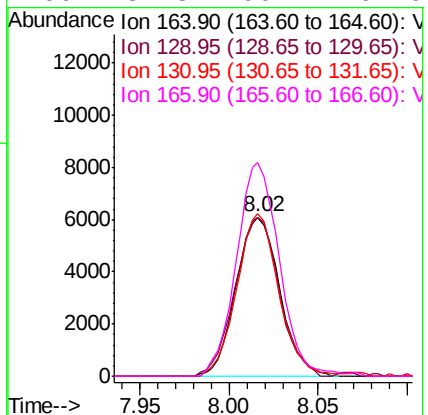
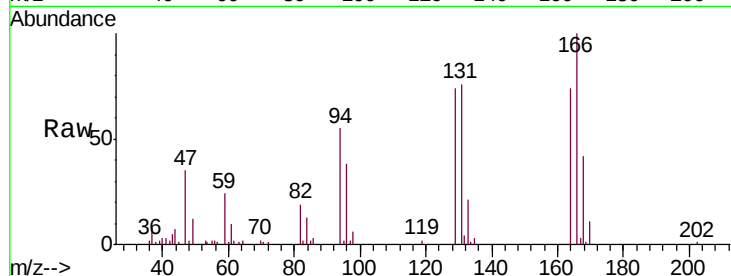




#47
Tetrachloroethene
Concen: 1.188 ug/L
RT: 8.02 min Scan# 2154
Delta R.T. -0.00 min
Lab File: VV011301.D
Acq: 07 Jun 2019 21:21

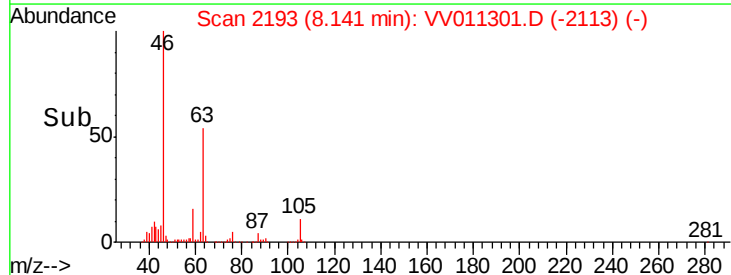
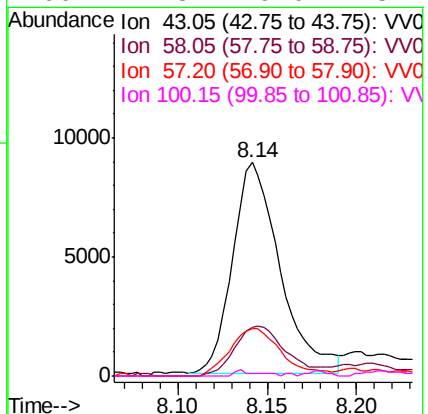
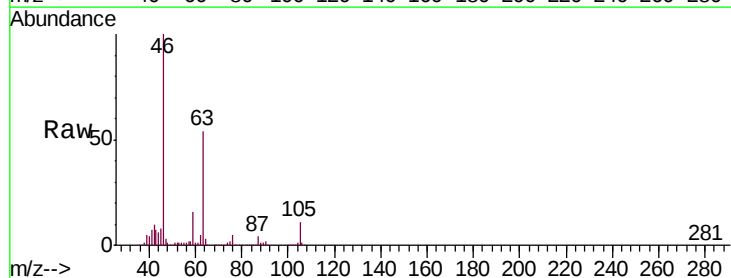
Instrument :
MSVOA_V
ClientSampleId :
BFCN7DL

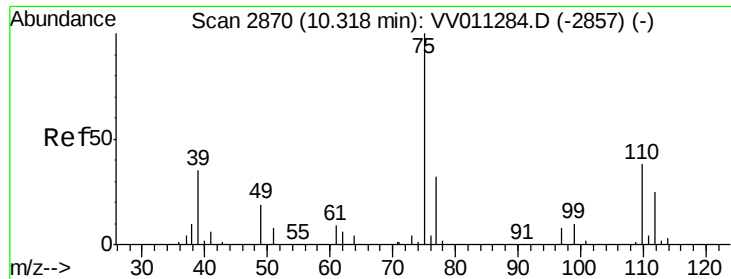
Tgt Ion:	164	Resp:	10402
Ion	Ratio	Lower	Upper
164	100		
129	99.6	69.9	129.9
131	102.2	66.8	124.2
166	134.3	90.2	167.6



#48
2-Hexanone
Concen: 3.161 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.04 min
Lab File: VV011301.D
Acq: 07 Jun 2019 21:21

Tgt Ion:	43	Resp:	16384
Ion	Ratio	Lower	Upper
43	100		
58	25.4	41.4	62.0#
57	24.4	15.0	22.4#
100	1.3	9.0	13.4#

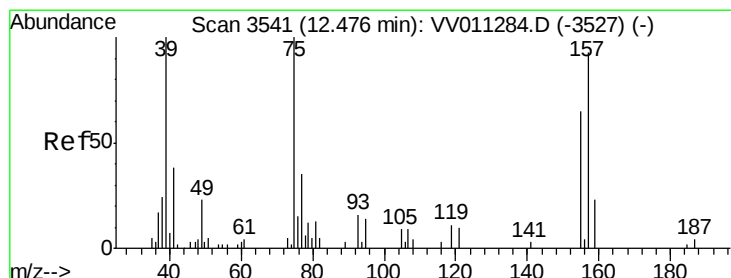
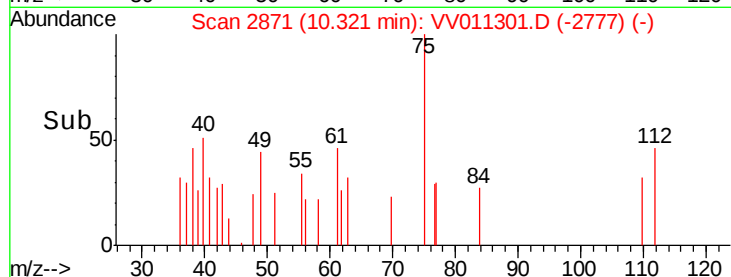
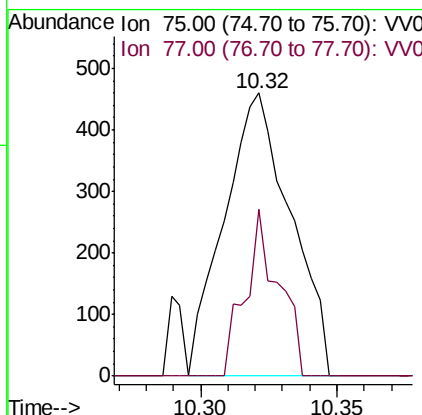
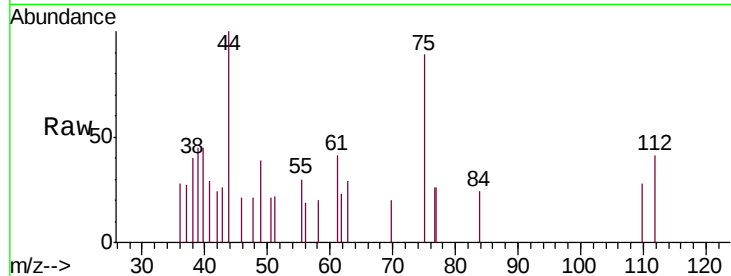




#59
 1,2,3-Trichloropropane
 Concen: 0.115 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV011301.D
 Acq: 07 Jun 2019 21:21

Instrument :
 MSVOA_V
 ClientSampleID :
 BFCN7DL

Tgt Ion: 75 Resp: 780
 Ion Ratio Lower Upper
 75 100
 77 29.5 26.7 40.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.084 ug/L
 RT: 12.49 min Scan# 3544
 Delta R.T. 0.01 min
 Lab File: VV011301.D
 Acq: 07 Jun 2019 21:21

Tgt Ion: 75 Resp: 108
 Ion Ratio Lower Upper
 75 100
 155 0.0 64.4 96.6#
 157 0.0 66.7 100.1#

