

Data File : VV013774.D
Acq On : 25 Nov 2019 18:56
Operator : SY/MD
Sample : K6004-04
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
B0AE4

Quant Time: Nov 26 04:43:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Nov 26 04:36:55 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	340853	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	339273	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	156424	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92230	4.37	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	87.40%
7) Chloroethane-d5	1.58	69	86914	4.85	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.00%
11) 1,1-Dichloroethene-d2	2.13	63	145799	4.11	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	82.20%
20) 2-Butanone-d5	3.92	46	230648	52.59	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	105.18%
24) Chloroform-d	4.40	84	208097	4.89	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	97.80%
26) 1,2-Dichloroethane-d4	5.08	65	102643	5.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	101.40%
32) Benzene-d6	5.09	84	390035	4.46	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	89.20%
36) 1,2-Dichloropropane-d6	6.11	67	120682	4.63	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	92.60%
41) Toluene-d8	7.36	98	334265	4.07	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.40%
43) trans-1,3-Dichloropropene-	7.66	79	38209	3.76	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	75.20%
46) 2-Hexanone-d5	8.13	63	168117	44.89	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	89.78%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	95855	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	140969	5.10	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	102.00%

Target Compounds

						Qvalue
3) Chloromethane	1.25	50	9235	0.463	ug/L #	73
5) Vinyl chloride	1.32	62	50604	2.485	ug/L #	1
8) Chloroethane	1.32	64	19088	1.556	ug/L #	53
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	1575	0.084	ug/L #	18
12) 1,1-Dichloroethene	2.14	96	34565	2.109	ug/L #	62
13) Acetone	2.19	43	9272	3.023	ug/L #	41
14) Carbon disulfide	2.32	76	20918	0.553	ug/L	99
16) Methylene chloride	2.53	84	3232	0.144	ug/L	95
17) Methyl tert-butyl Ether	2.80	73	2790	0.062	ug/L #	91
18) trans-1,2-Dichloroethene	2.79	96	7868	0.425	ug/L	95
19) 1,1-Dichloroethane	3.23	63	44548	1.206	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	389726	17.959	ug/L #	97
27) 1,2-Dichloroethane	5.10	62	2514	0.112	ug/L	99
34) Trichloroethene	5.96	95	256252	11.162	ug/L	97
35) Methylcyclohexane	6.11	83	30374	0.992	ug/L #	20
37) 1,2-Dichloropropane	6.22	63	1810	0.085	ug/L	98
39) cis-1,3-Dichloropropene	7.02	75	2795	0.092	ug/L #	56

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112519\
Quantitation Report (Not Reviewed)

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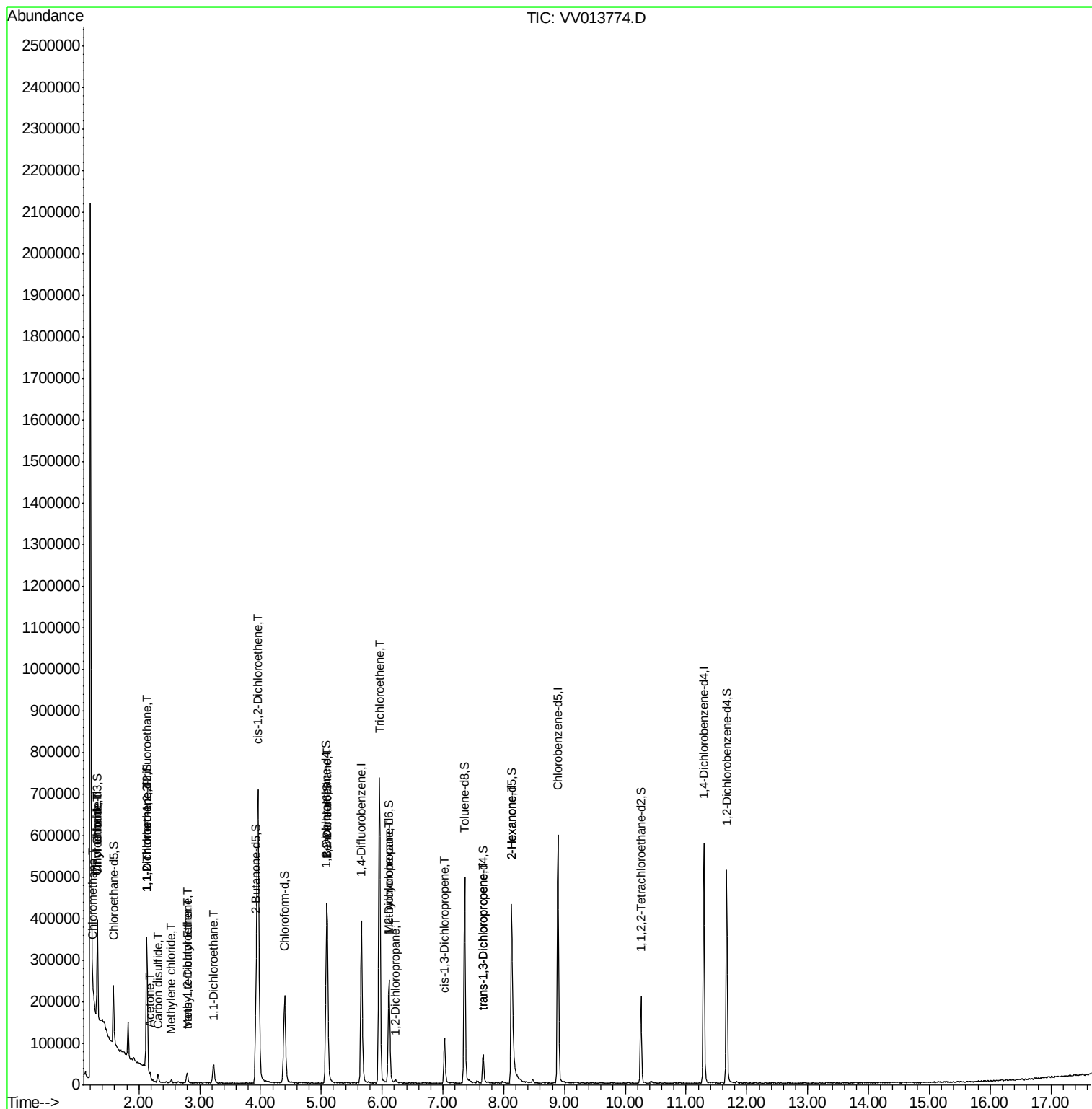
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.66	75	1777	0.075	ug/L	85
48) 2-Hexanone	8.13	43	21361	2.398	ug/L #	87

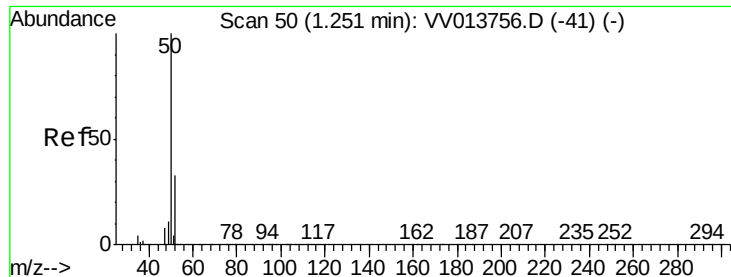
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.463 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

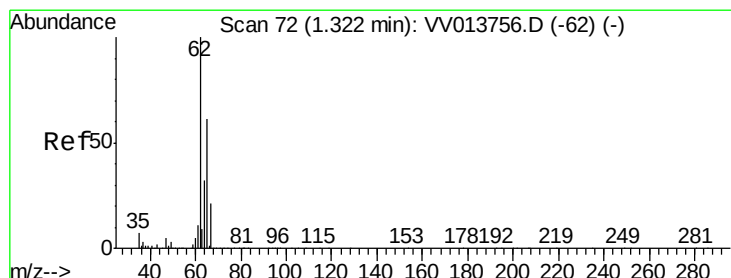
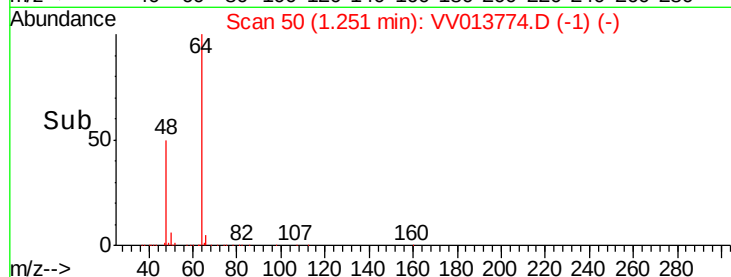
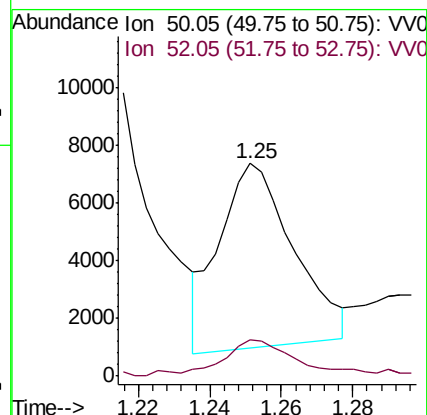
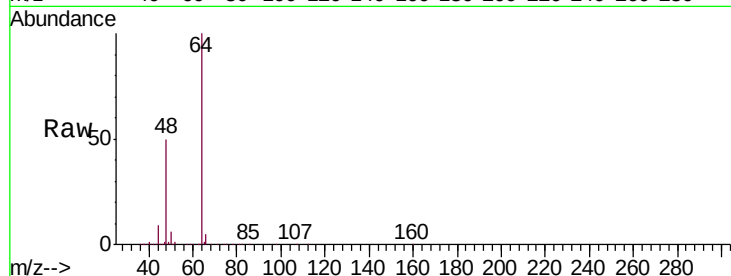
B0AE4

Tgt Ion: 50 Resp: 9235

Ion Ratio Lower Upper

50 100

52 17.2 22.5 41.7#



#5

Vinyl chloride

Concen: 2.485 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013774.D

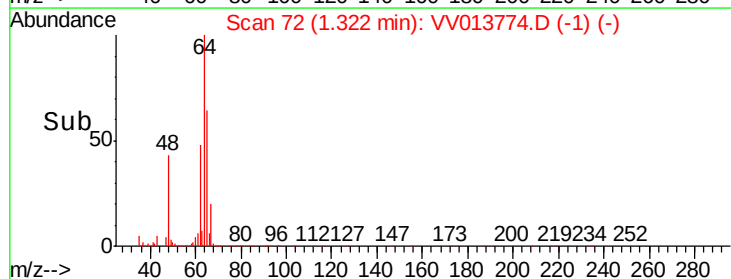
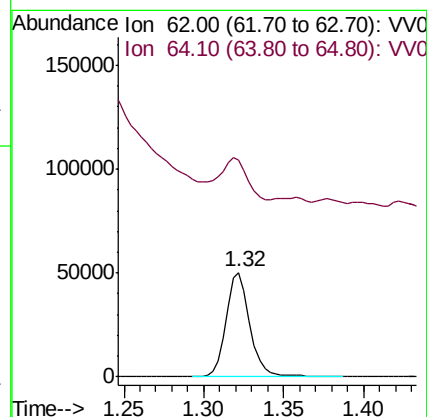
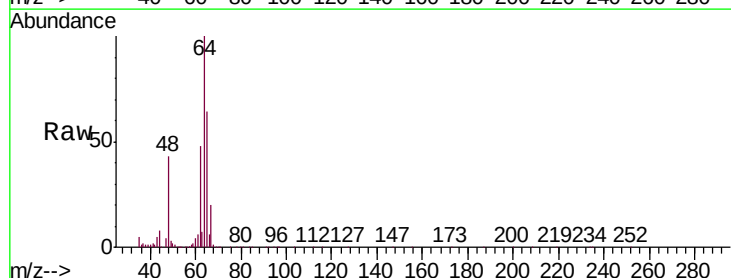
Acq: 25 Nov 2019 18:56

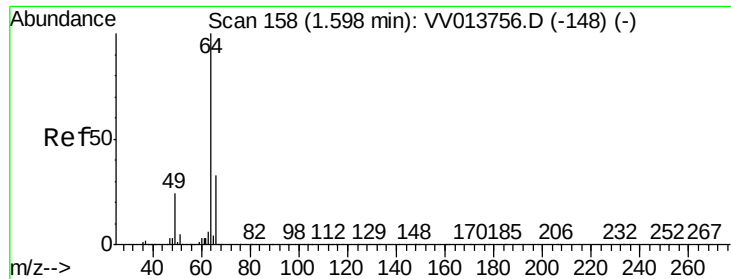
Tgt Ion: 62 Resp: 50604

Ion Ratio Lower Upper

62 100

64 207.8 23.3 43.3#

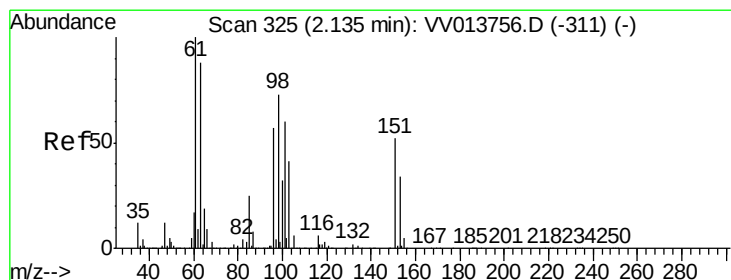
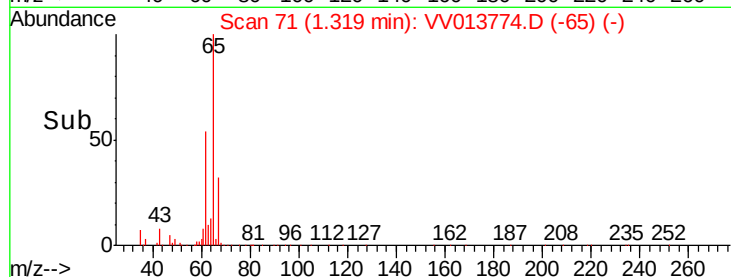
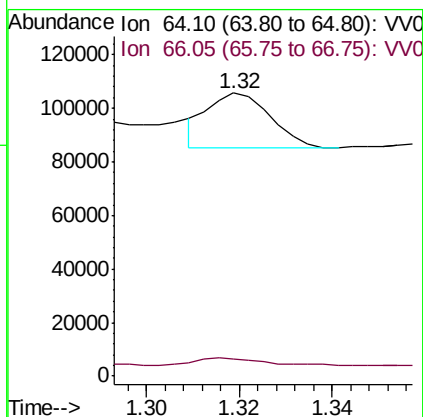
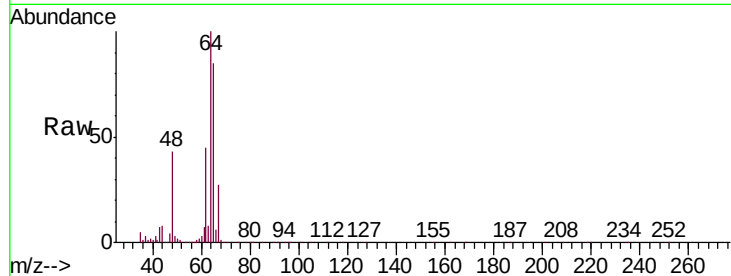




#8
Chloroethane
Concen: 1.556 ug/L
RT: 1.32 min Scan# 71
Delta R.T. -0.28 min
Lab File: VV013774.D
Acq: 25 Nov 2019 18:56

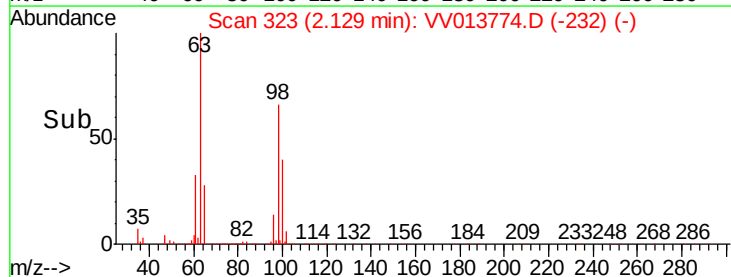
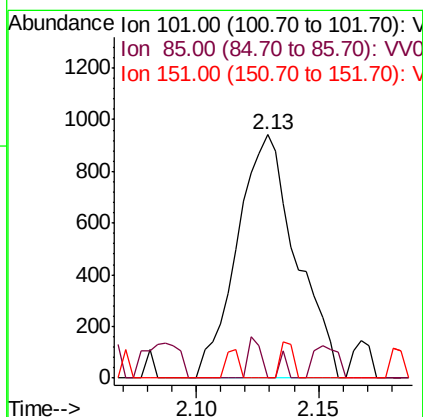
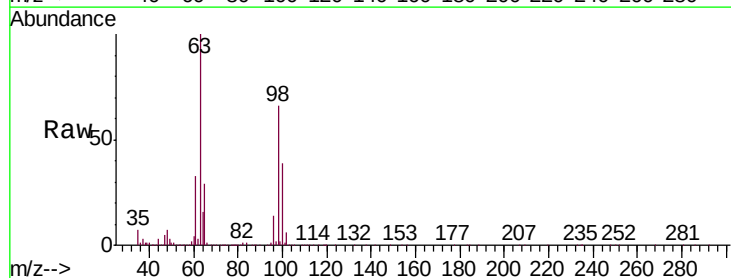
Instrument :
MSVOA_V
ClientSampleId :
B0AE4

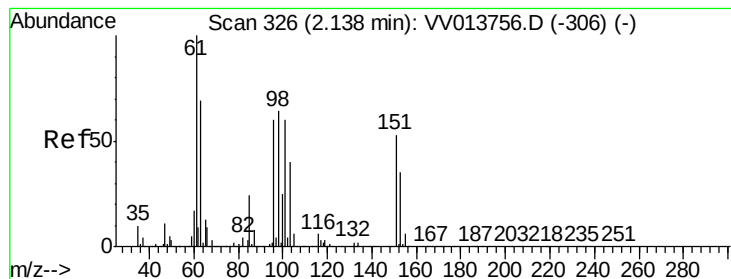
Tgt Ion: 64 Resp: 19088
Ion Ratio Lower Upper
64 100
66 6.2 22.6 42.0#



#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.084 ug/L
RT: 2.13 min Scan# 323
Delta R.T. -0.01 min
Lab File: VV013774.D
Acq: 25 Nov 2019 18:56

Tgt Ion: 101 Resp: 1575
Ion Ratio Lower Upper
101 100
85 1.3 33.4 50.0#
151 3.3 69.4 104.0#





#12

1,1-Dichloroethene

Concen: 2.109 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

B0AE4

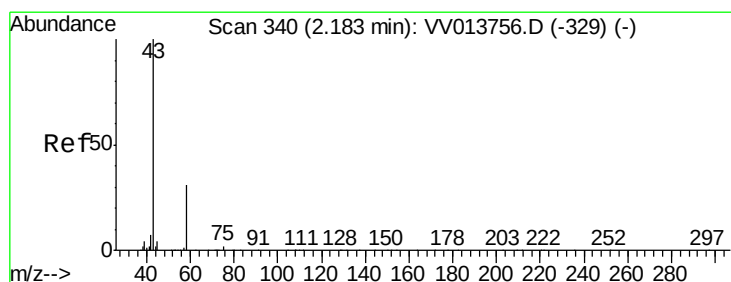
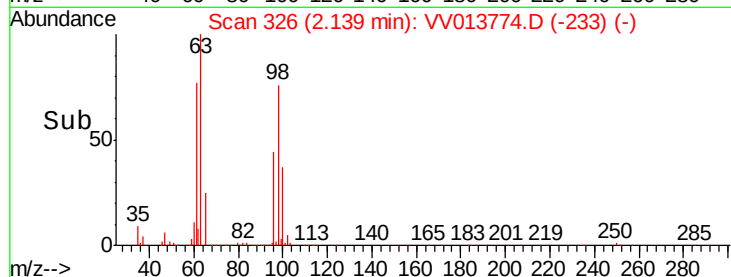
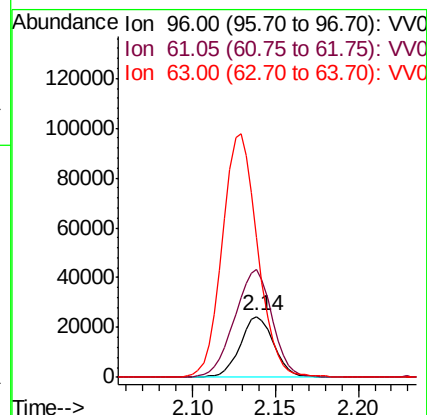
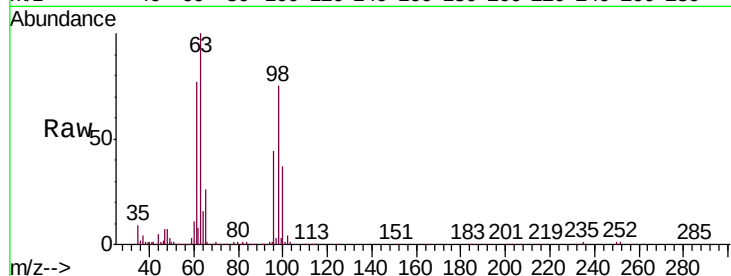
Tgt Ion: 96 Resp: 34565

Ion Ratio Lower Upper

96 100

61 175.6 116.3 215.9

63 228.8 96.7 179.7#



#13

Acetone

Concen: 3.023 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV013774.D

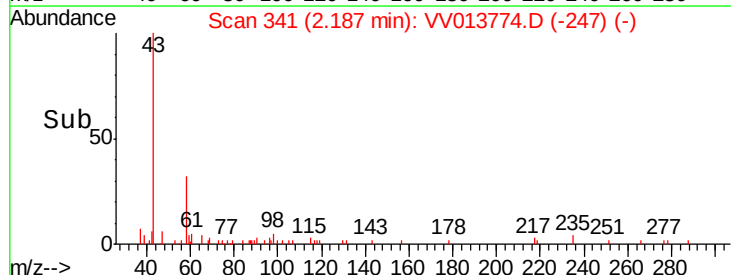
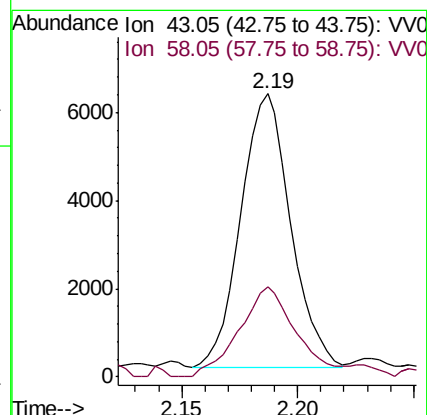
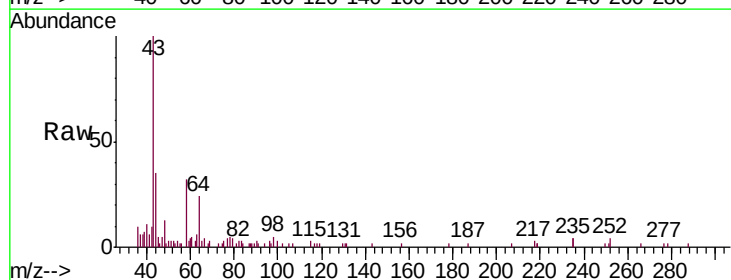
Acq: 25 Nov 2019 18:56

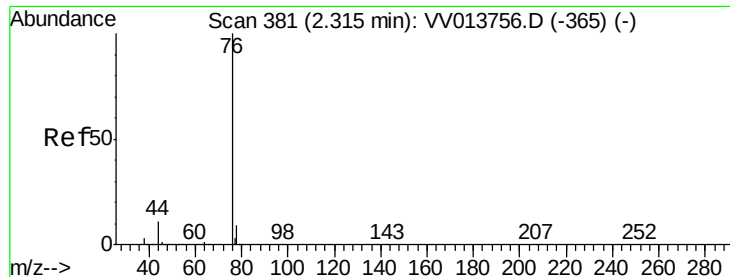
Tgt Ion: 43 Resp: 9272

Ion Ratio Lower Upper

43 100

58 37.4 0.0 27.2#





#14

Carbon disulfide

Concen: 0.553 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

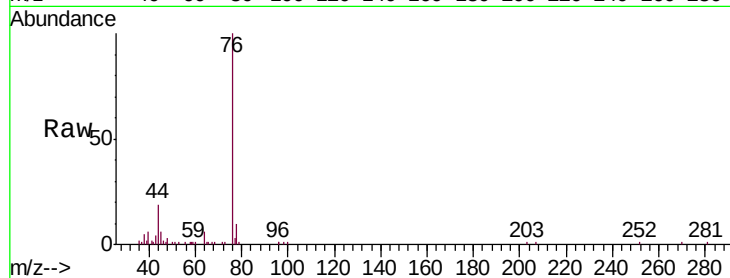
B0AE4

Tgt Ion: 76 Resp: 20918

Ion Ratio Lower Upper

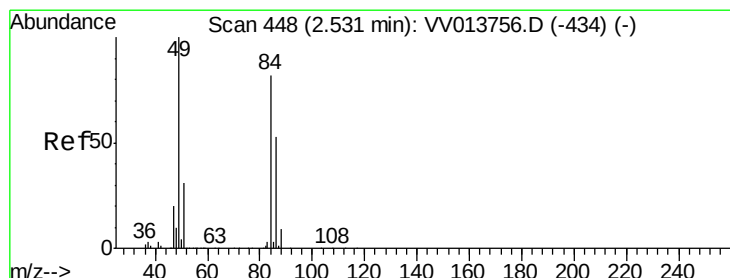
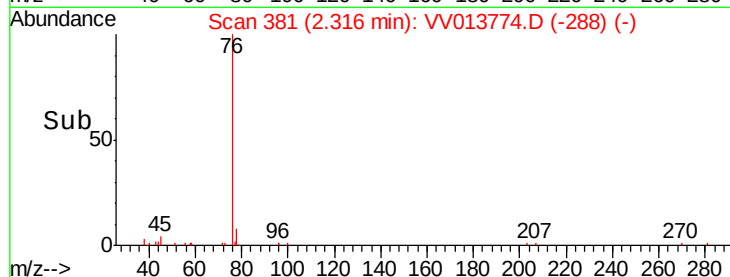
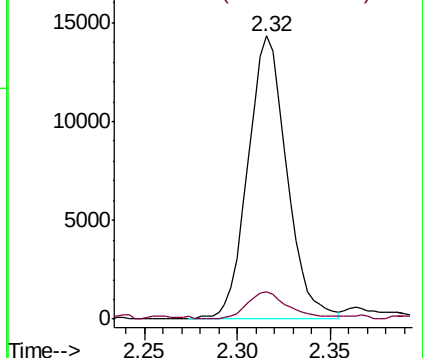
76 100

78 9.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0



#16

Methylene chloride

Concen: 0.144 ug/L

RT: 2.53 min Scan# 449

Delta R.T. 0.00 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

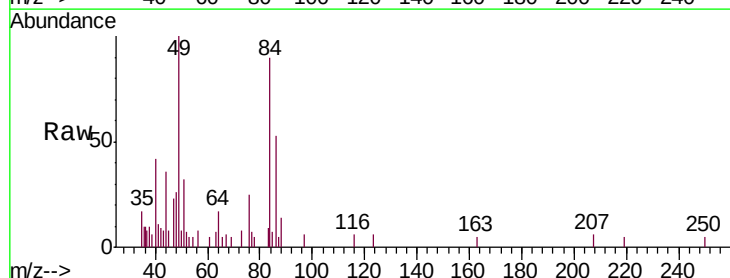
Tgt Ion: 84 Resp: 3232

Ion Ratio Lower Upper

84 100

86 58.8 44.0 81.6

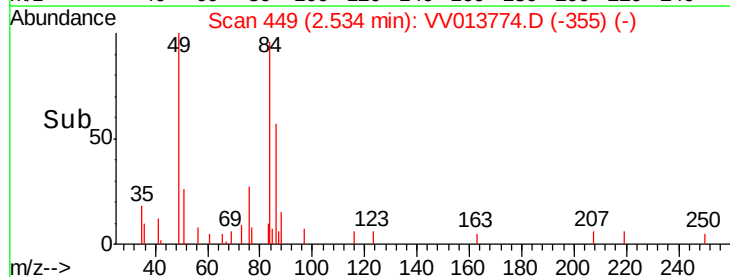
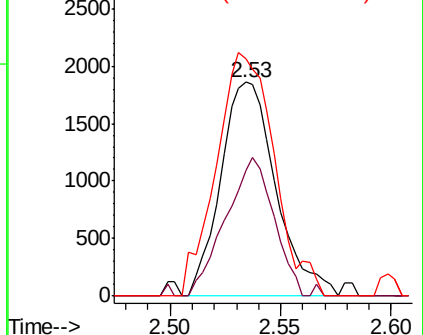
49 110.8 81.5 151.5

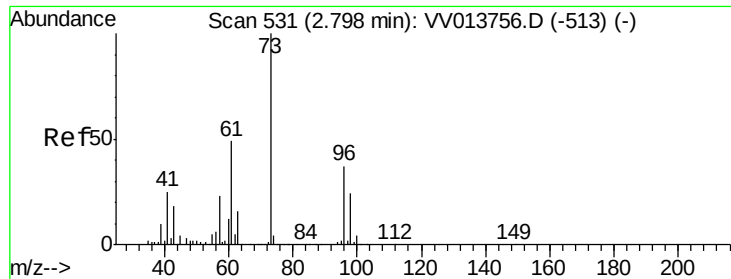


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

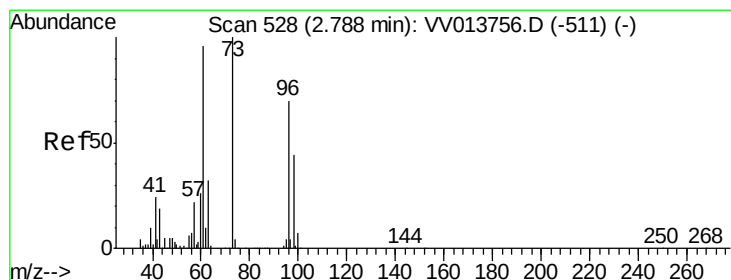
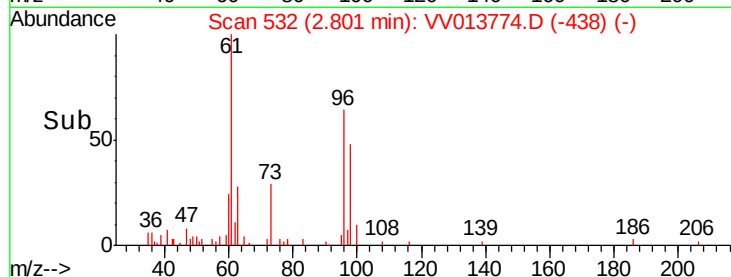
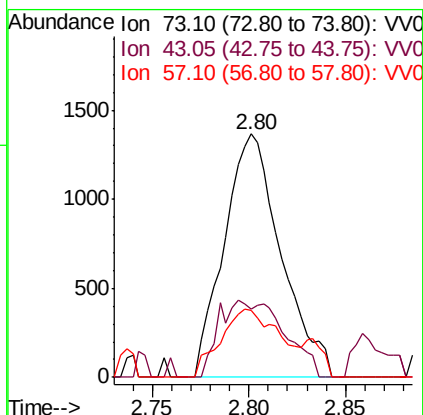
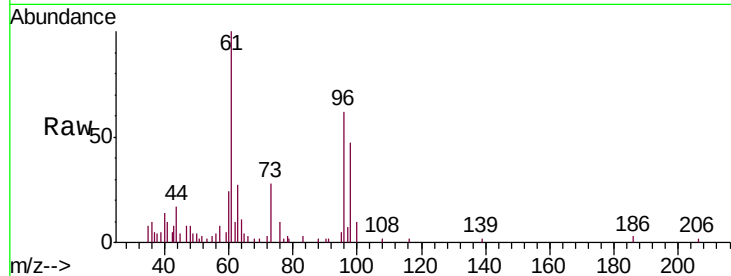




#17
Methyl tert-butyl Ether
Concen: 0.062 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV013774.D
Acq: 25 Nov 2019 18:56

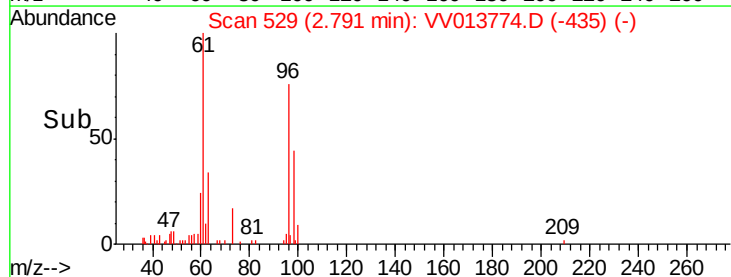
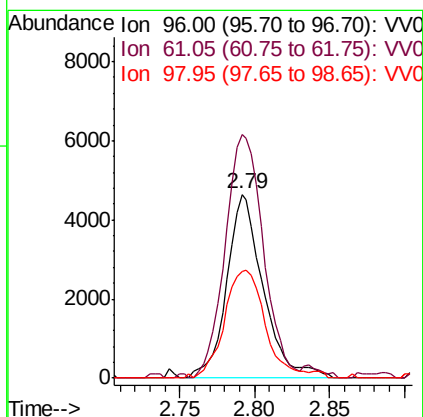
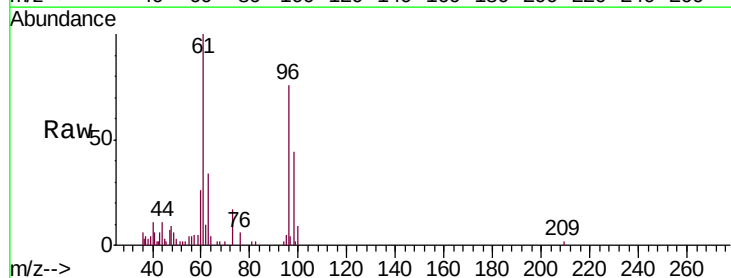
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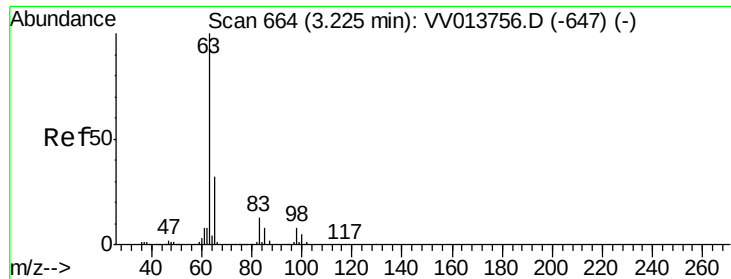
Tgt Ion: 73 Resp: 2790
Ion Ratio Lower Upper
73 100
43 18.4 15.5 23.3
57 29.3 17.5 26.3#



#18
trans-1,2-Dichloroethene
Concen: 0.425 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV013774.D
Acq: 25 Nov 2019 18:56

Tgt Ion: 96 Resp: 7868
Ion Ratio Lower Upper
96 100
61 132.4 95.1 176.7
98 58.0 46.5 86.3





#19

1,1-Dichloroethane

Concen: 1.206 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

Instrument :

MSVOA_V

ClientSampled :

B0AE4

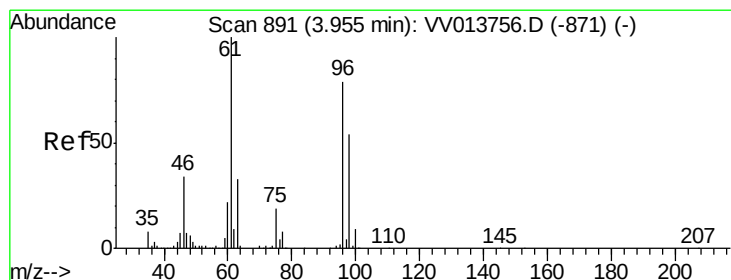
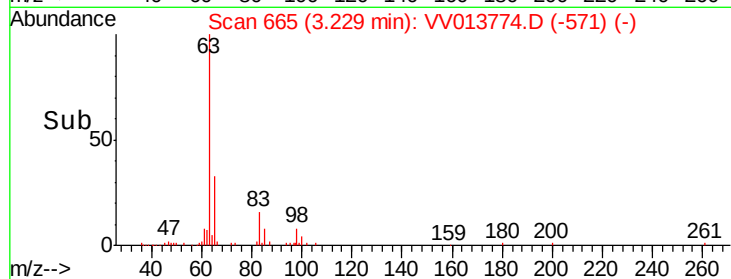
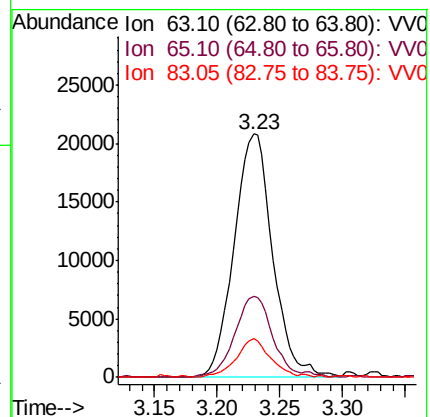
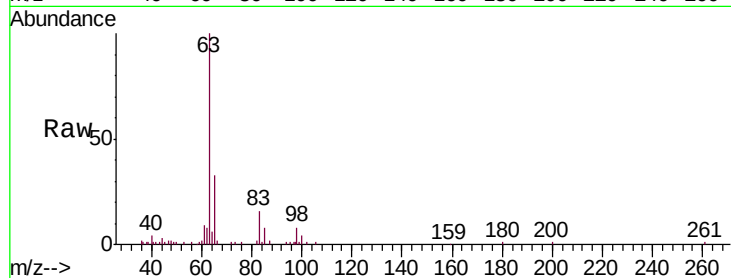
Tgt Ion: 63 Resp: 44548

Ion Ratio Lower Upper

63 100

65 33.4 22.7 42.1

83 15.8 9.2 17.2



#22

cis-1,2-Dichloroethene

Concen: 17.959 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.00 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

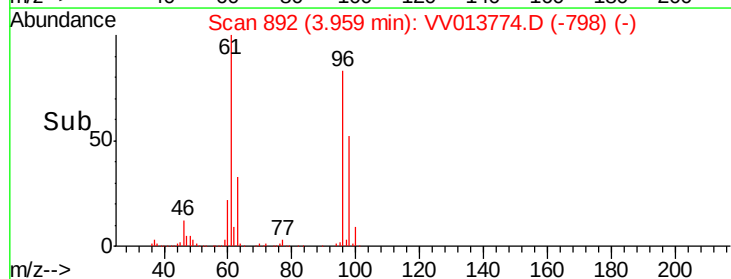
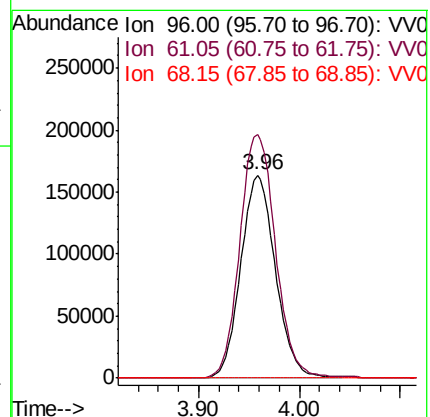
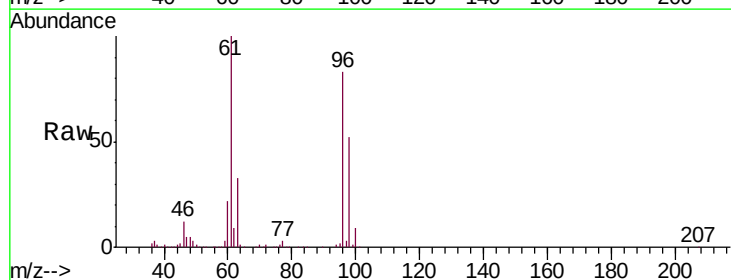
Tgt Ion: 96 Resp: 389726

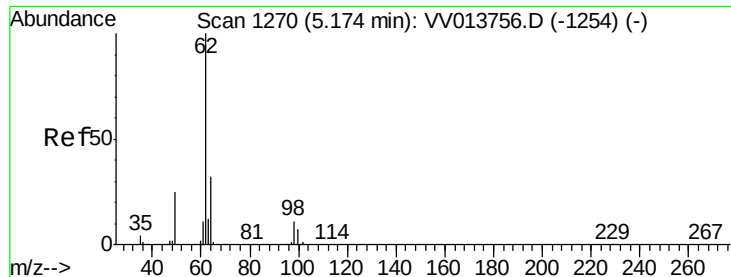
Ion Ratio Lower Upper

96 100

61 120.0 86.1 159.9

68 0.1 0.0 0.0#





#27

1,2-Dichloroethane

Concen: 0.112 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.08 min

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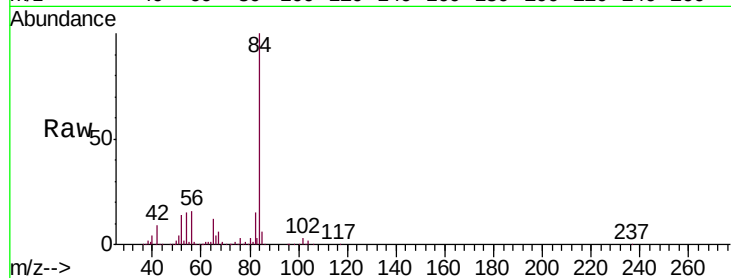
B0AE4

Tgt Ion: 62 Resp: 2514

Ion Ratio Lower Upper

62 100

98 9.7 8.2 12.2



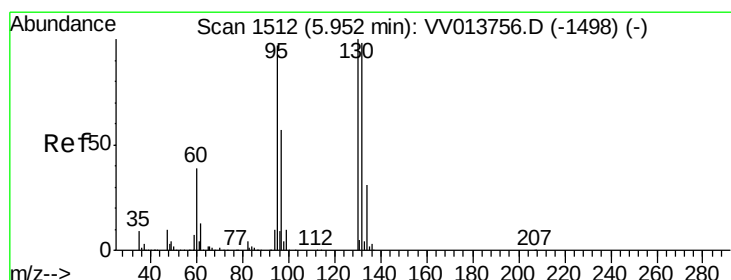
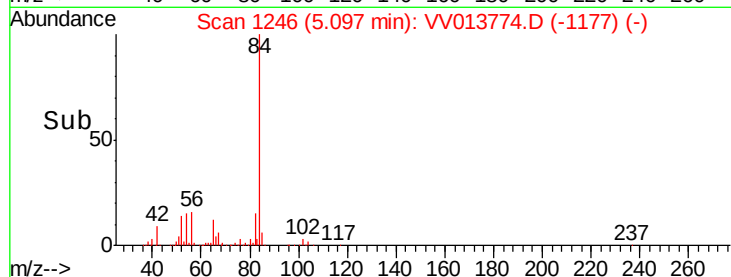
Abundance Ion 62.00 (61.70 to 62.70): VV013756.D (-1254) (-)

Ion 98.05 (97.75 to 98.75): VV013756.D (-1254) (-)

5.10

5.05 5.10 5.15

Time-->



#34

Trichloroethene

Concen: 11.162 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

Tgt Ion: 95 Resp: 256252

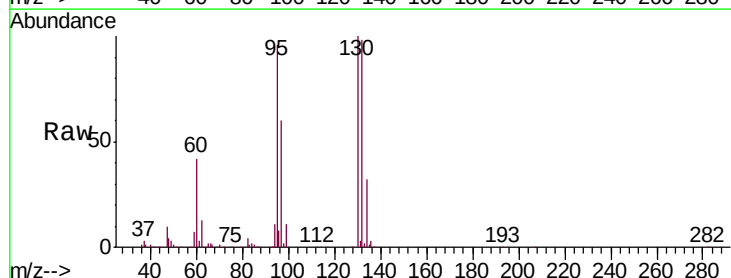
Ion Ratio Lower Upper

95 100

97 62.4 45.6 84.8

132 102.3 70.5 130.9

130 104.7 75.9 140.9



Abundance Ion 95.00 (94.70 to 95.70): VV013756.D (-1498) (-)

Ion 96.95 (96.65 to 97.65): VV013756.D (-1498) (-)

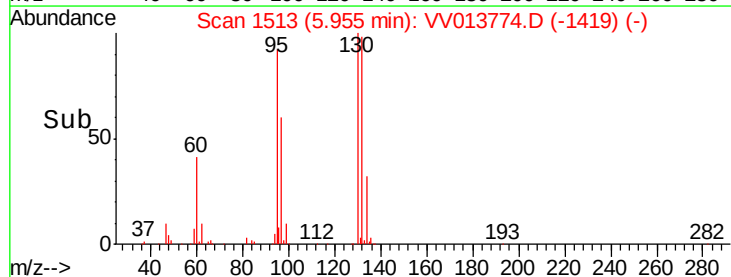
Ion 131.95 (131.65 to 132.65): VV013756.D (-1498) (-)

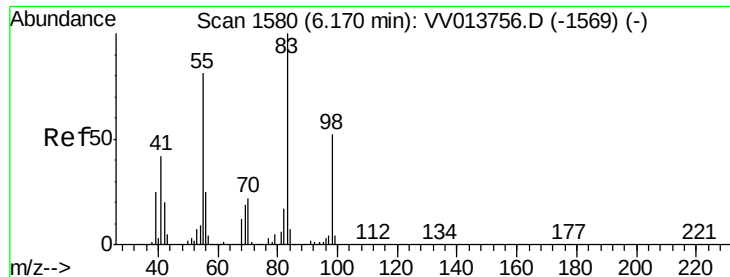
Ion 129.95 (129.65 to 130.65): VV013756.D (-1498) (-)

5.96

5.90 6.00

Time-->

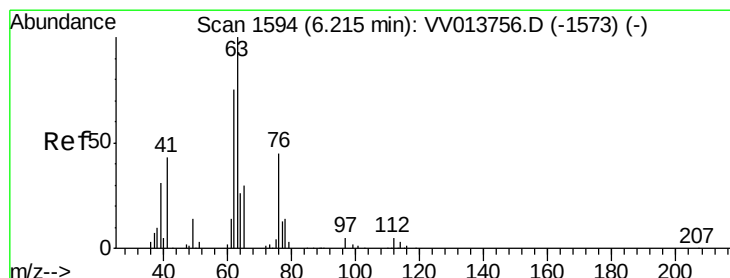
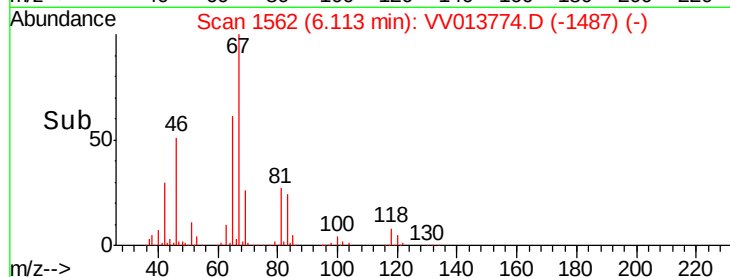
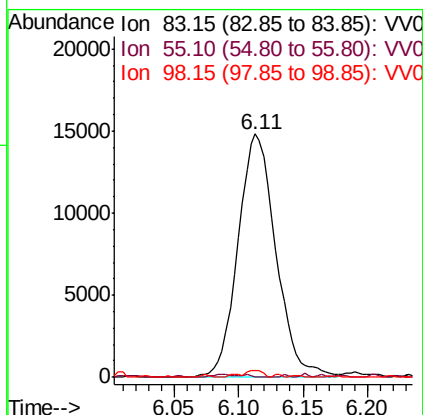
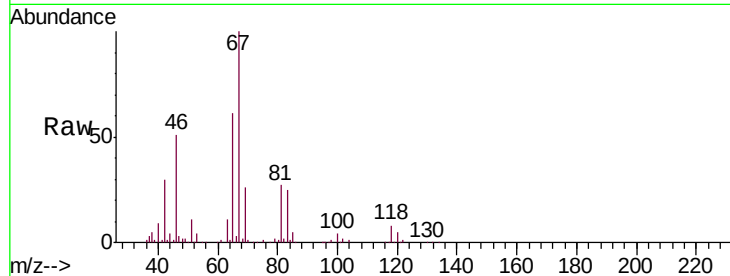




#35
Methylcyclohexane
Concen: 0.992 ug/L
RT: 6.11 min Scan# 1562
Delta R.T. -0.06 min
Lab File: VV013774.D
Acq: 25 Nov 2019 18:56

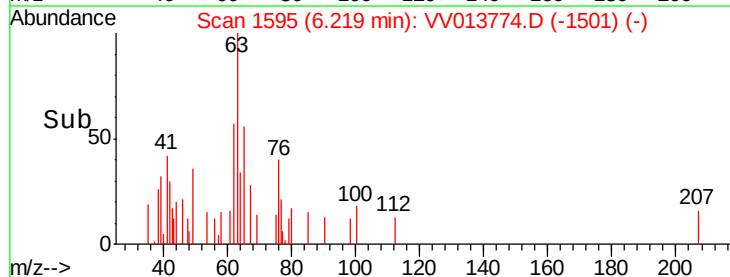
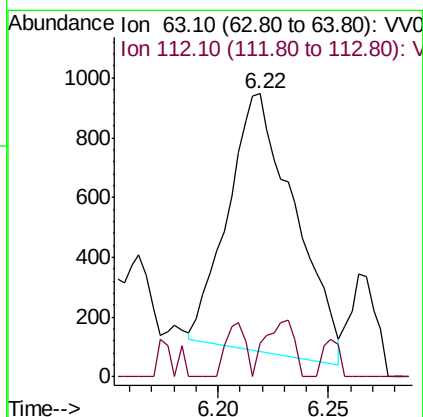
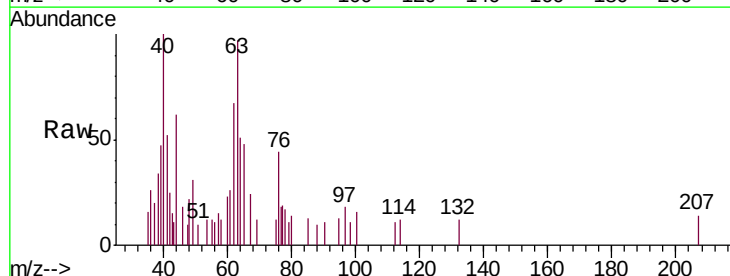
Instrument :
MSVOA_V
ClientSampleId :
B0AE4

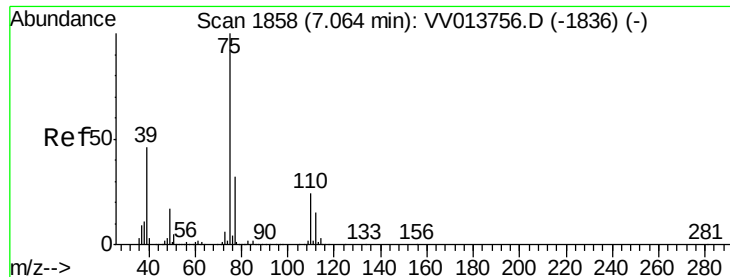
Tgt Ion: 83 Resp: 30374
Ion Ratio Lower Upper
83 100
55 0.3 60.3 90.5#
98 1.6 38.1 57.1#



#37
1,2-Dichloropropane
Concen: 0.085 ug/L
RT: 6.22 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VV013774.D
Acq: 25 Nov 2019 18:56

Tgt Ion: 63 Resp: 1810
Ion Ratio Lower Upper
63 100
112 6.2 4.4 6.6





#39

cis-1,3-Dichloropropene

Concen: 0.092 ug/L

RT: 7.02 min Scan# 1845

Delta R.T. -0.04 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

Instrument :

MSVOA_V

ClientSampleId :

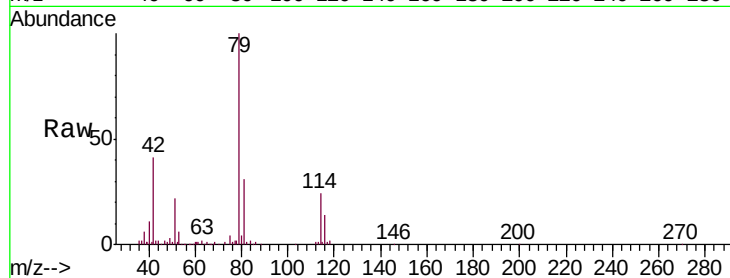
B0AE4

Tgt Ion: 75 Resp: 2795

Ion Ratio Lower Upper

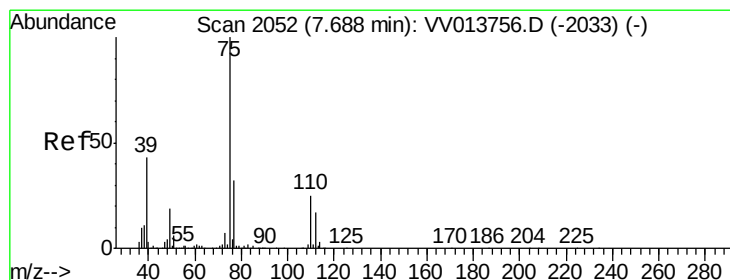
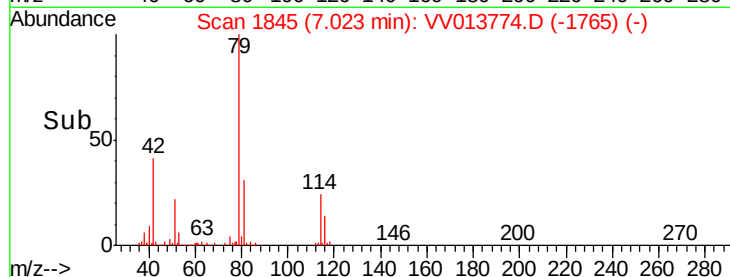
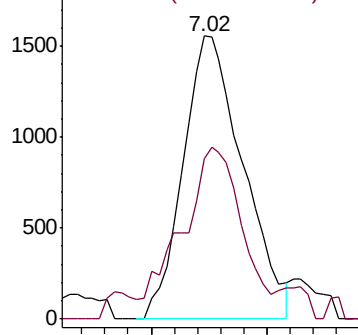
75 100

77 56.7 22.5 41.9#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.075 ug/L

RT: 7.66 min Scan# 2044

Delta R.T. -0.03 min

Lab File: VV013774.D

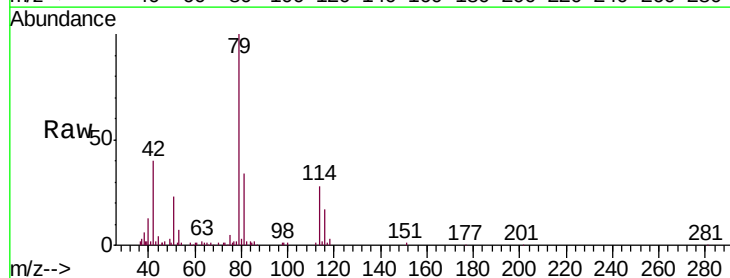
Acq: 25 Nov 2019 18:56

Tgt Ion: 75 Resp: 1777

Ion Ratio Lower Upper

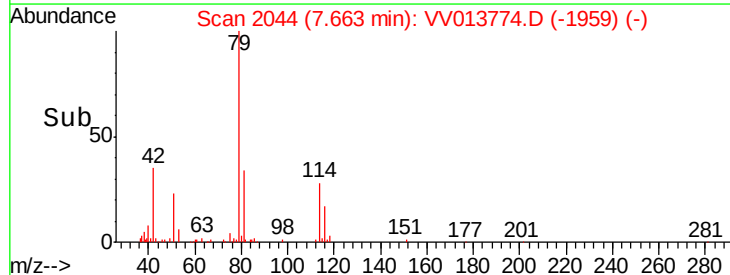
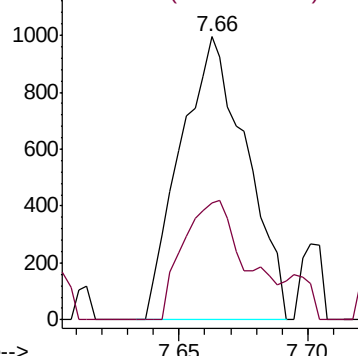
75 100

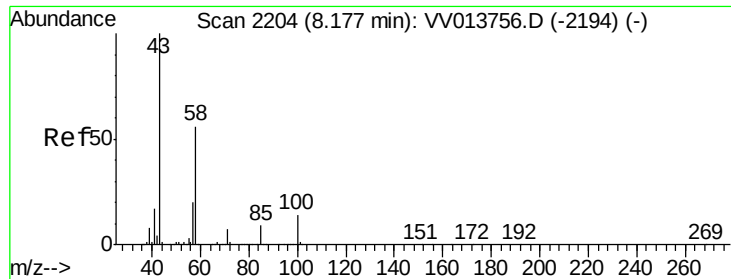
77 41.1 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#48

2-Hexanone

Concen: 2.398 ug/L

RT: 8.13 min Scan# 2190

Delta R.T. -0.04 min

Lab File: VV013774.D

Acq: 25 Nov 2019 18:56

Instrument :
MSVOA_V
ClientSampleId :
B0AE4

Tgt Ion: 43 Resp: 21361

Ion Ratio Lower Upper

43 100

58 50.4 43.2 64.8

57 32.0 15.4 23.2#

100 4.4 10.4 15.6#

