

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092320\
 Data File : VN063595.D
 Acq On : 23 Sep 2020 17:42
 Operator : JC/MD
 Sample : L4093-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 KTS-GW-01-30

Quant Time: Sep 24 02:36:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	204030	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	388919	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	393413	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	165063	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	178158	51.30	ug/l	0.00
Spiked Amount			Recovery	=	102.60%	
35) Dibromofluoromethane	7.55	113	127389	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
50) Toluene-d8	10.06	98	492854	48.68	ug/l	0.00
Spiked Amount			Recovery	=	97.36%	
62) 4-Bromofluorobenzene	12.38	95	193006	52.01	ug/l	0.00
Spiked Amount			Recovery	=	104.02%	

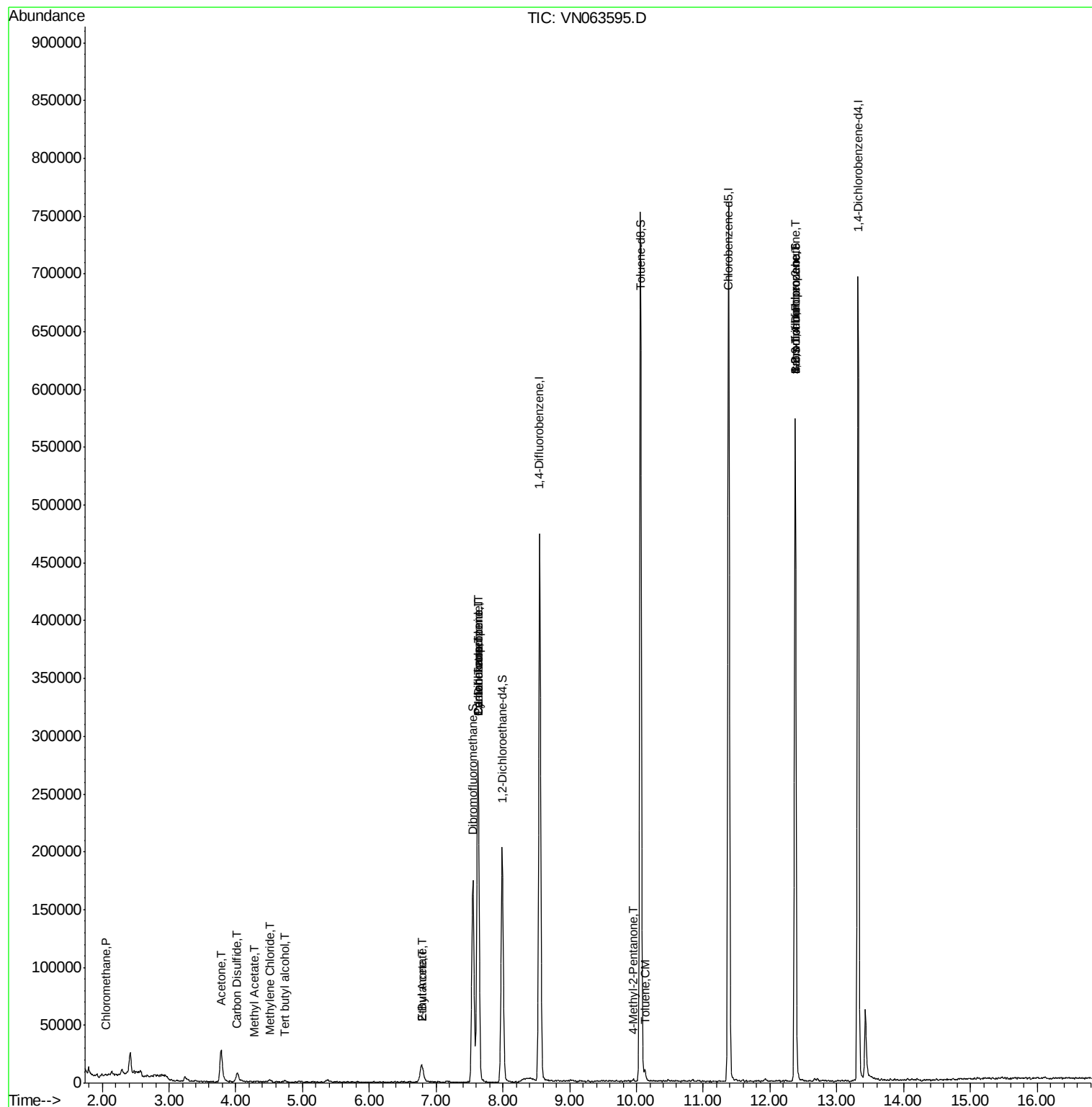
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.04	50	888	0.290	ug/l #	85
11) Tert butyl alcohol	4.74	59	615	1.278	ug/l #	72
16) Acetone	3.78	43	48737	43.663	ug/l	94
17) Carbon Disulfide	4.02	76	1608	0.240	ug/l #	75
18) Methyl Acetate	4.29	43	725	0.256	ug/l #	54
20) Methylene Chloride	4.52	84	1339	0.473	ug/l #	58
25) 2-Butanone	6.80	43	13474	7.849	ug/l	96
31) Cyclohexane	7.62	56	6103	1.272	ug/l #	8
36) 1,1-Dichloropropene	7.62	75	19950	4.815	ug/l #	48
37) Ethyl Acetate	6.80	43	13474	3.313	ug/l #	75
38) Carbon Tetrachloride	7.63	117	23514	5.559	ug/l #	18
51) 4-Methyl-2-Pentanone	9.96	43	1527	0.375	ug/l #	71
52) Toluene	10.13	92	3453	0.486	ug/l	87
71) Bromoform	12.37	173	544	0.239	ug/l #	1
76) 1,2,3-Trichloropropane	12.38	75	110971	27.162	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.38	75	110971	74.468	ug/l #	7

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

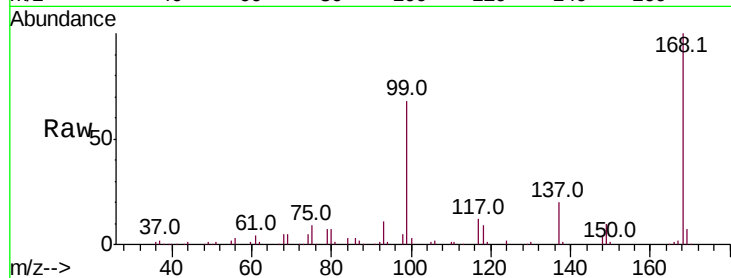
KTS-GW-01-30

Tot Ion:168 Resp: 204030

Ion Ratio Lower Upper

168 100

99 68.1 53.0 79.6

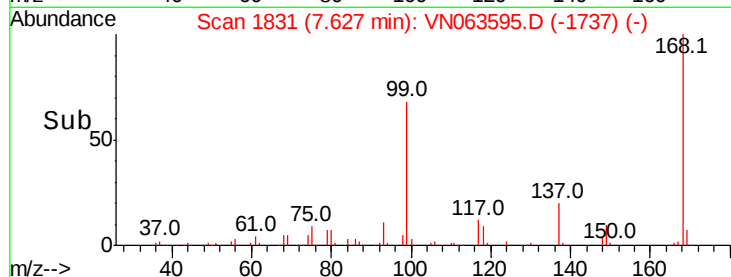


Abundance Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.63

Time-->



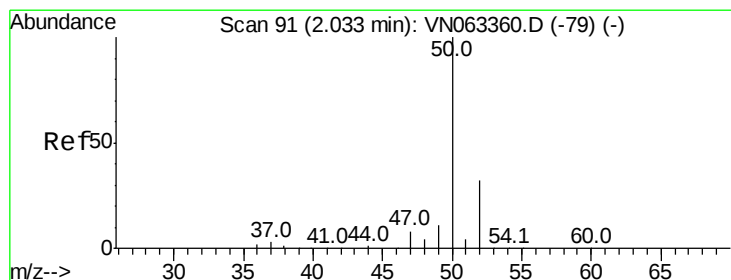
Abundance

Ion 167.90 (167.60 to 168.60): VN063360.D (-1811) (-)

Ion 98.90 (98.60 to 99.60): VN063360.D (-1811) (-)

7.63

Time-->



#3

Chloromethane

Concen: 0.290 ug/l

RT: 2.04 min Scan# 94

Delta R.T. 0.01 min

Lab File: VN063595.D

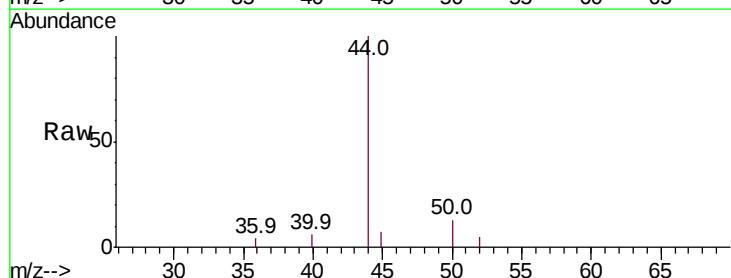
Acq: 23 Sep 2020 17:42

Tgt Ion: 50 Resp: 888

Ion Ratio Lower Upper

50 100

52 40.7 25.9 38.9#

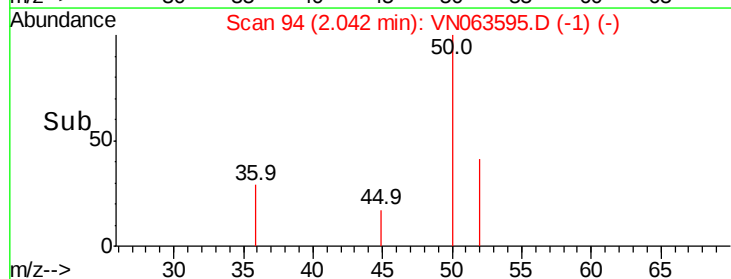


Abundance Ion 49.90 (49.60 to 50.60): VN063360.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VN063360.D (-79) (-)

2.04

Time-->



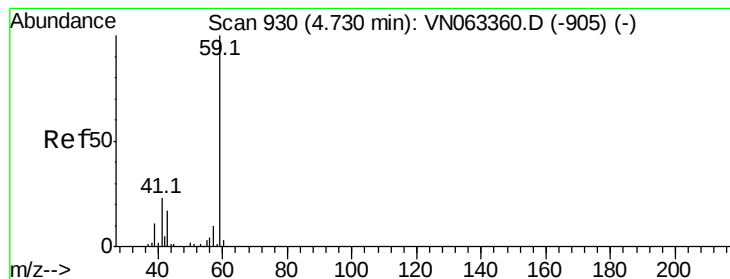
Abundance

Ion 49.90 (49.60 to 50.60): VN063360.D (-79) (-)

Ion 51.90 (51.60 to 52.60): VN063360.D (-79) (-)

2.04

Time-->

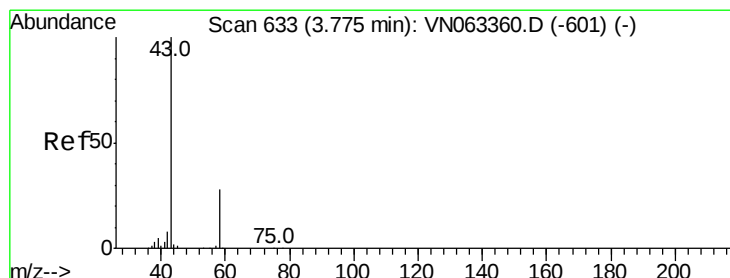
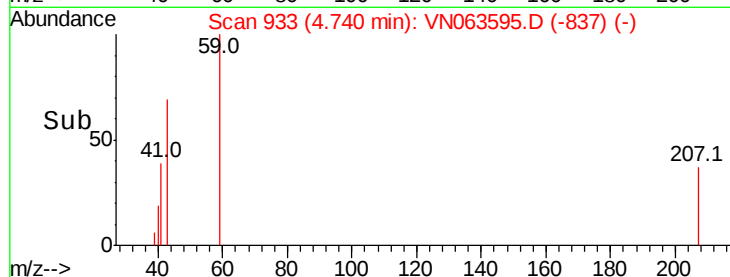
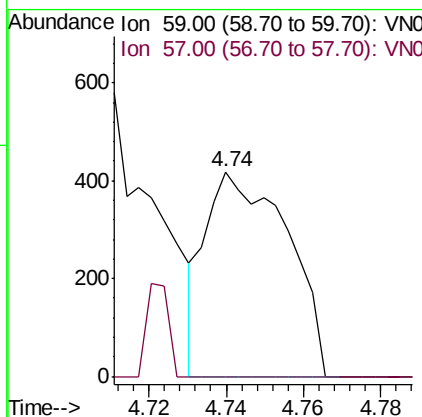
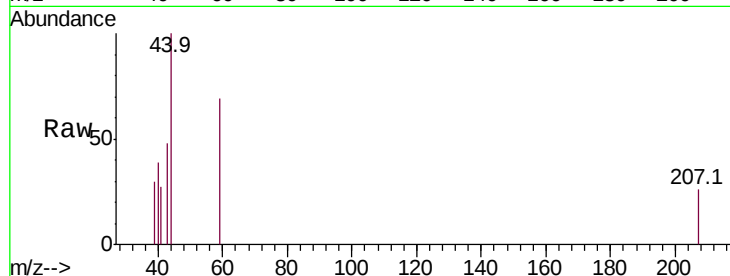


#11

Tert butyl alcohol
 Concen: 1.278 ug/l
 RT: 4.74 min Scan# 933
 Delta R.T. 0.01 min
 Lab File: VN063595.D
 Acq: 23 Sep 2020 17:42

Instrument :
 MSVOA_N
 ClientSampleId :
 KTS-GW-01-30

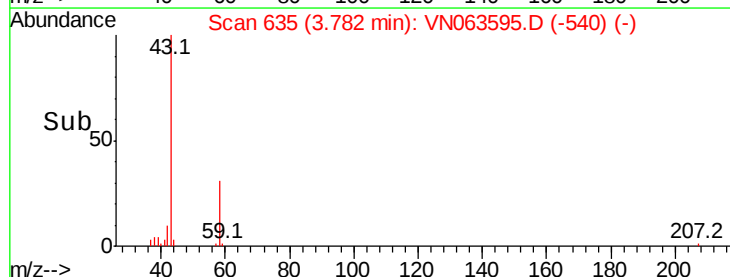
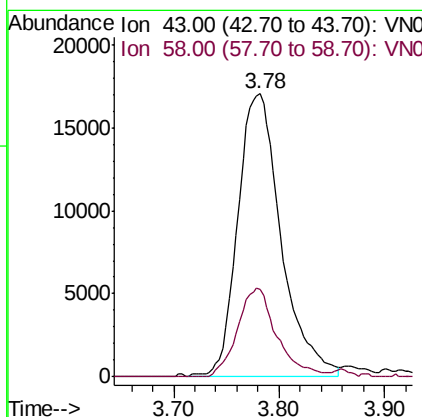
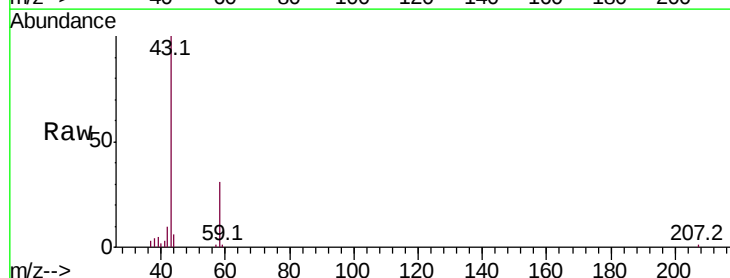
Tot Ion: 59 Resp: 615
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

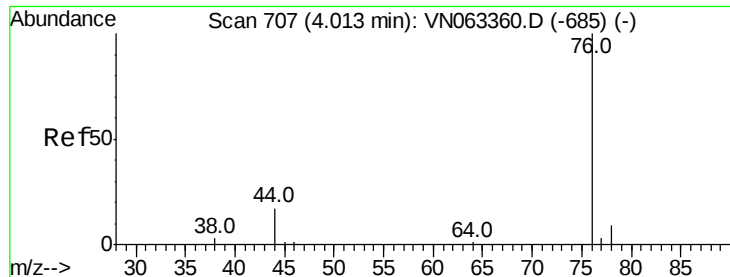


#16

Acetone
 Concen: 43.663 ug/l
 RT: 3.78 min Scan# 635
 Delta R.T. 0.01 min
 Lab File: VN063595.D
 Acq: 23 Sep 2020 17:42

Tgt Ion: 43 Resp: 48737
 Ion Ratio Lower Upper
 43 100
 58 31.1 22.3 33.5

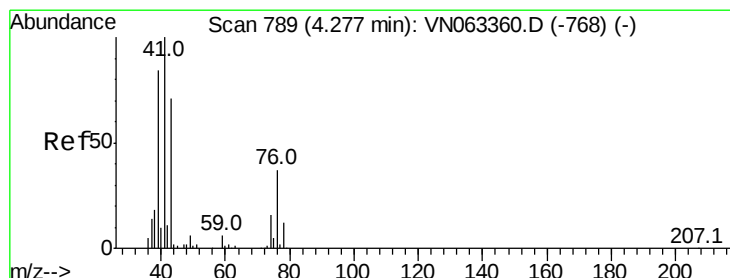
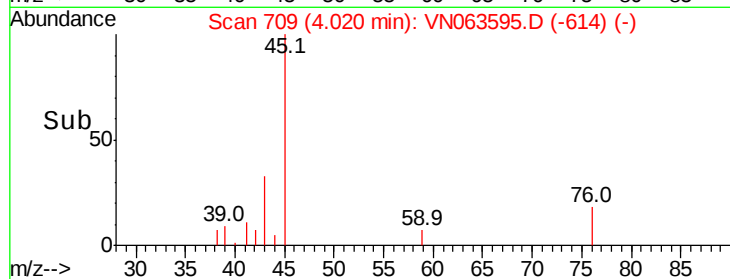
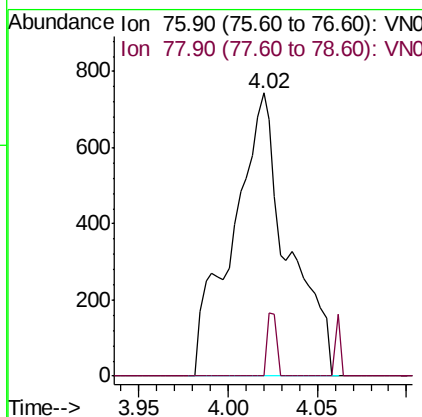
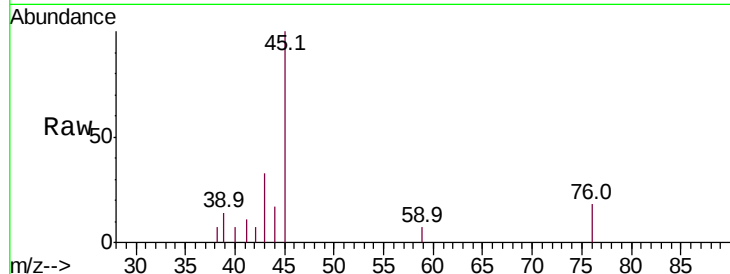




#17
Carbon Disulfide
Concen: 0.240 ug/l
RT: 4.02 min Scan# 709
Delta R.T. 0.01 min
Lab File: VN063595.D
Acq: 23 Sep 2020 17:42

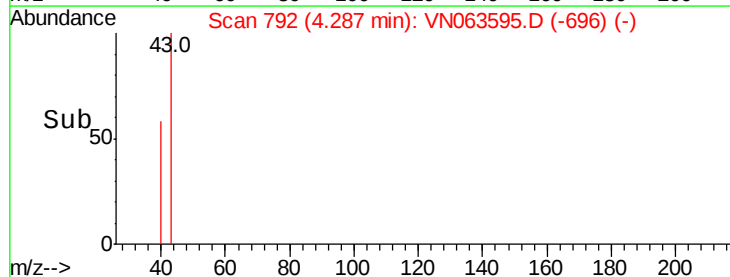
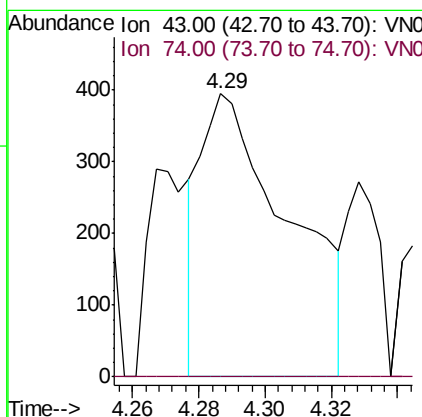
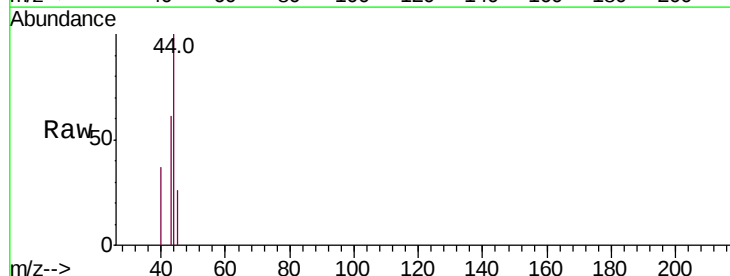
Instrument :
MSVOA_N
ClientSampleId :
KTS-GW-01-30

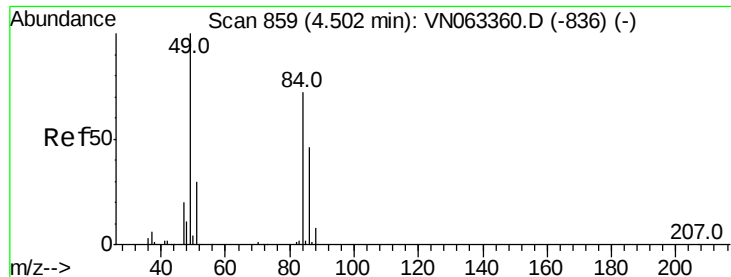
Tot Ion: 76 Resp: 1608
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.256 ug/l
RT: 4.29 min Scan# 792
Delta R.T. 0.01 min
Lab File: VN063595.D
Acq: 23 Sep 2020 17:42

Tgt Ion: 43 Resp: 725
Ion Ratio Lower Upper
43 100
74 0.0 17.4 26.2#





#20

Methvlene Chloride

Concen: 0.473 ug/l

RT: 4.52 min Scan# 864

Delta R.T. 0.02 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

KTS-GW-01-30

Tot Ion: 84 Resp: 1339

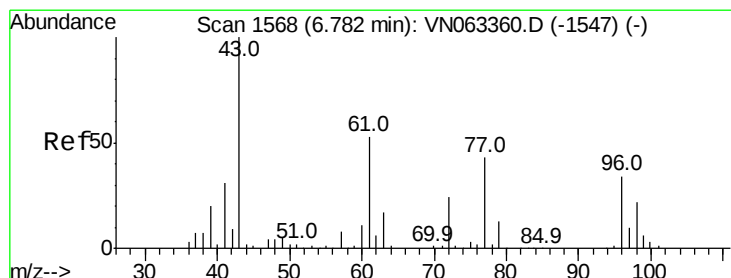
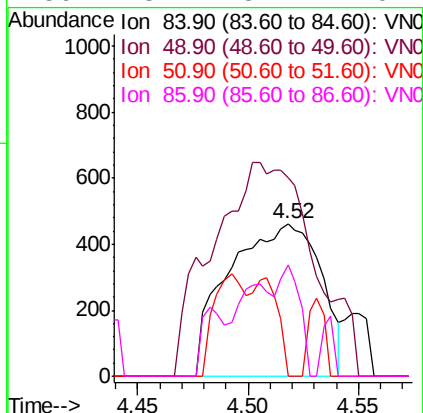
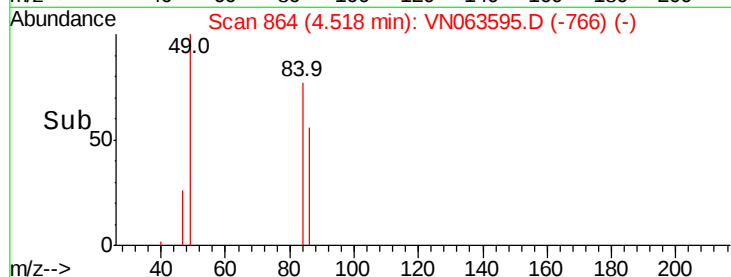
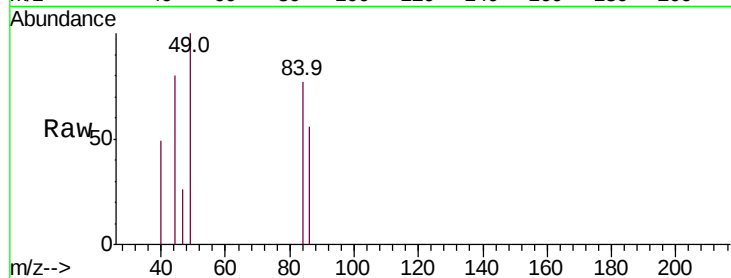
Ion Ratio Lower Upper

84 100

49 79.7 110.7 166.1#

51 0.0 32.9 49.3#

86 73.2 51.1 76.7



#25

2-Butanone

Concen: 7.849 ug/l

RT: 6.80 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN063595.D

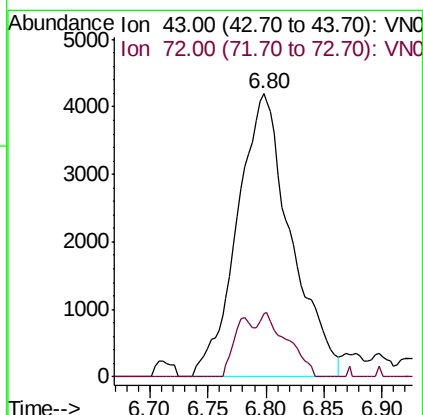
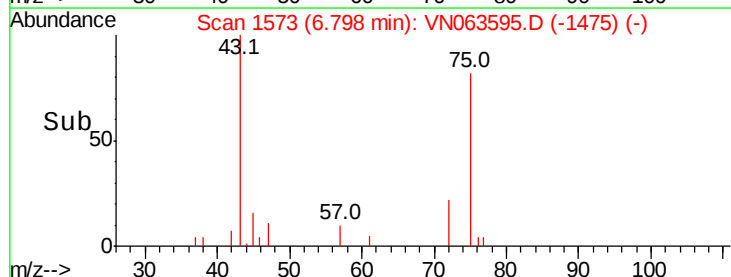
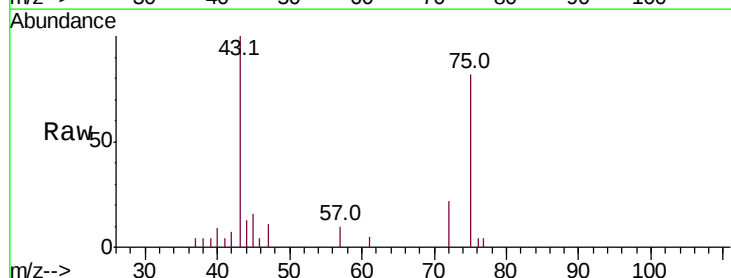
Acq: 23 Sep 2020 17:42

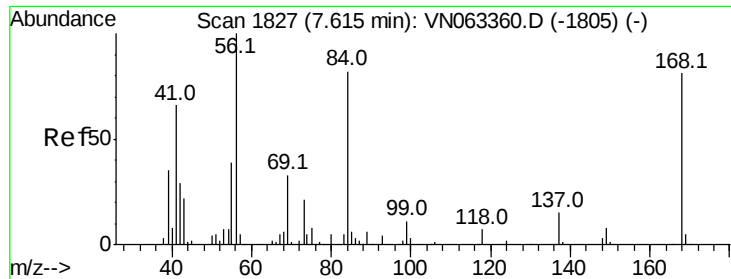
Tgt Ion: 43 Resp: 13474

Ion Ratio Lower Upper

43 100

72 22.2 19.2 28.8

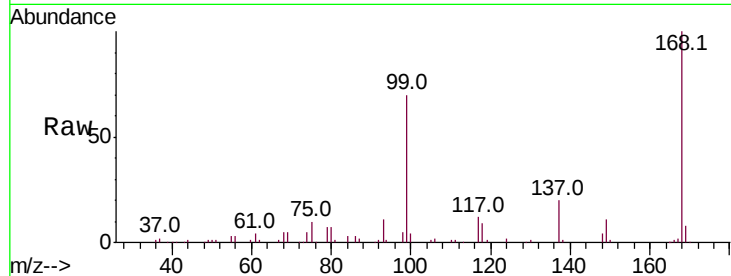




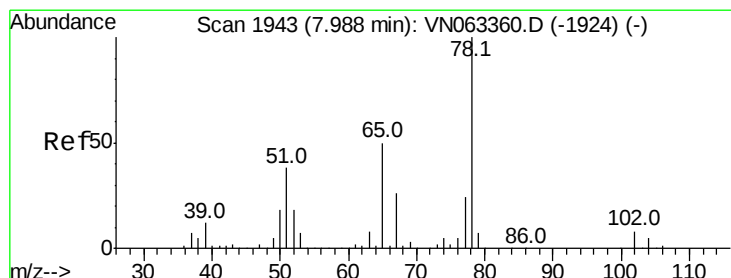
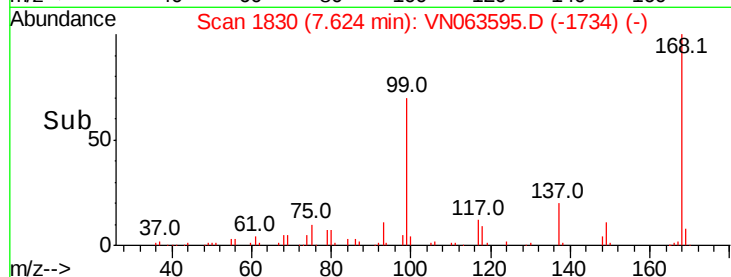
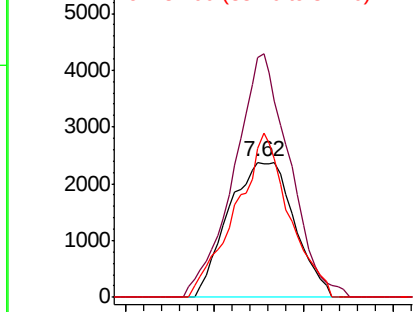
#31
Cyclohexane
Concen: 1.272 ug/l
RT: 7.62 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN063595.D
Acq: 23 Sep 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
KTS-GW-01-30

Tot Ion: 56 Resp: 6103
Ion Ratio Lower Upper
56 100
69 169.5 26.1 39.1#
84 109.9 65.4 98.2#

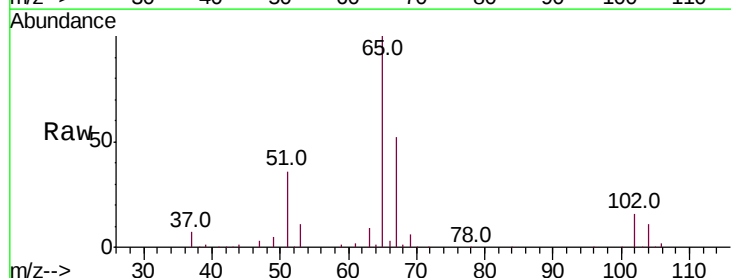


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

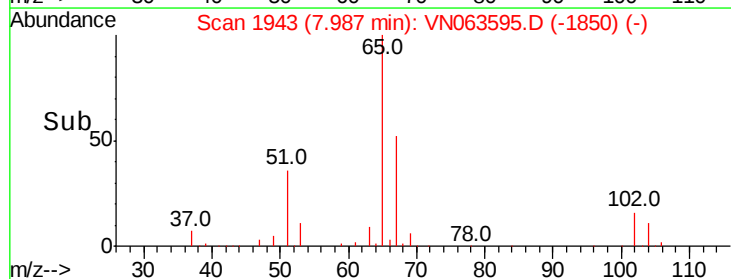
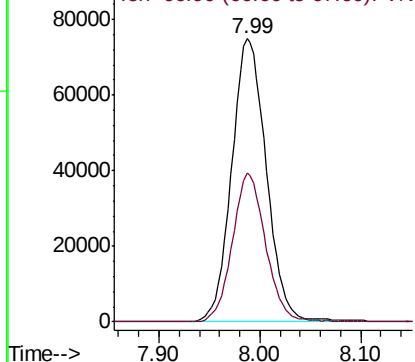


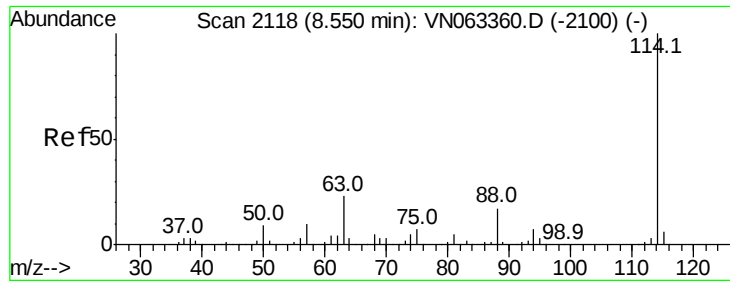
#33
1,2-Dichloroethane-d4
Concen: 51.296 ug/l
RT: 7.99 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN063595.D
Acq: 23 Sep 2020 17:42

Tgt Ion: 65 Resp: 178158
Ion Ratio Lower Upper
65 100
67 50.4 0.0 104.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

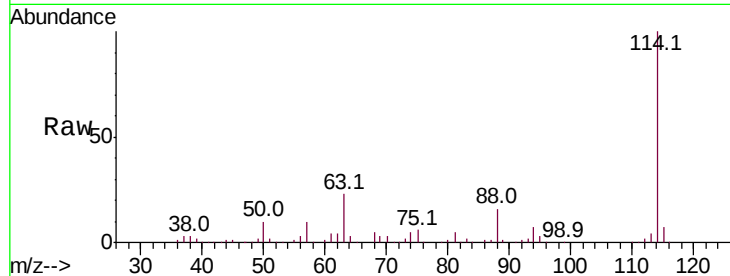




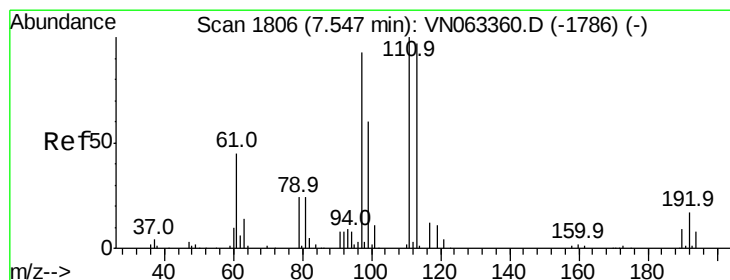
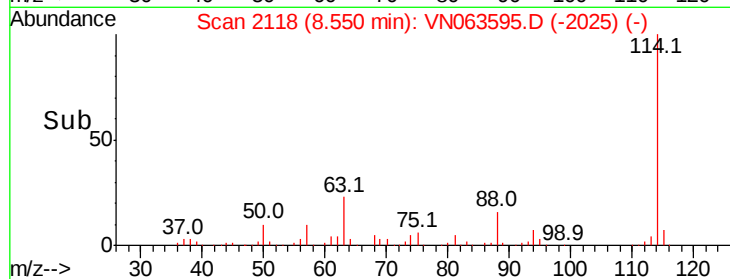
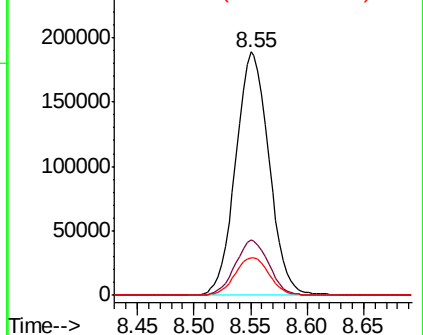
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.55 min Scan# 2118
Delta R.T. -0.00 min
Lab File: VN063595.D
Acq: 23 Sep 2020 17:42

Instrument :
MSVOA_N
ClientSampleId :
KTS-GW-01-30

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.6	0.0	46.4
88	15.6	0.0	33.2

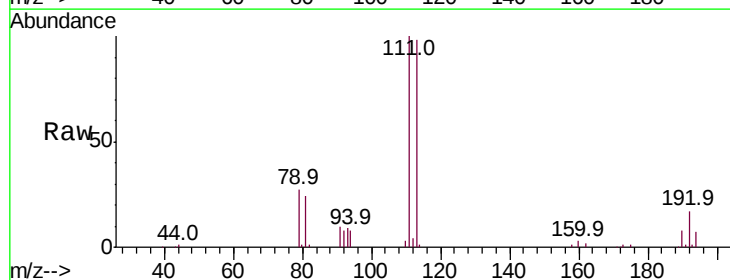


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

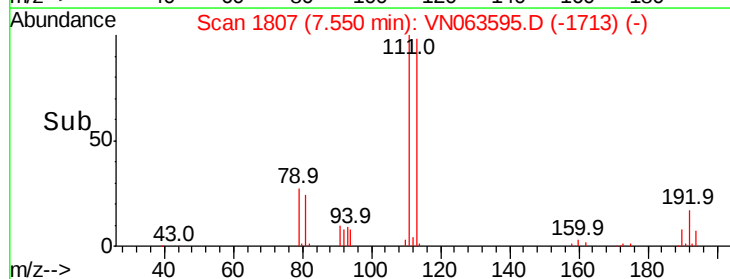
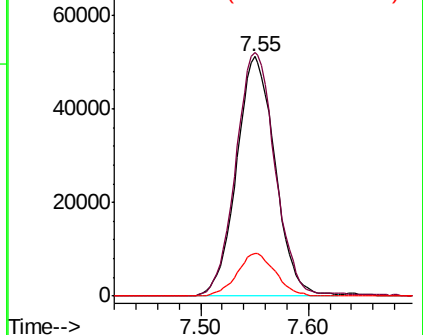


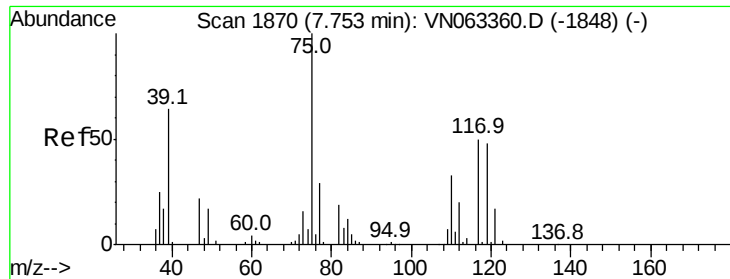
#35
Dibromofluoromethane
Concen: 47.314 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. 0.00 min
Lab File: VN063595.D
Acq: 23 Sep 2020 17:42

Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.9	124.3
192	17.7	13.9	20.9



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.815 ug/l

RT: 7.62 min Scan# 1829

Delta R.T. -0.13 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

KTS-GW-01-30

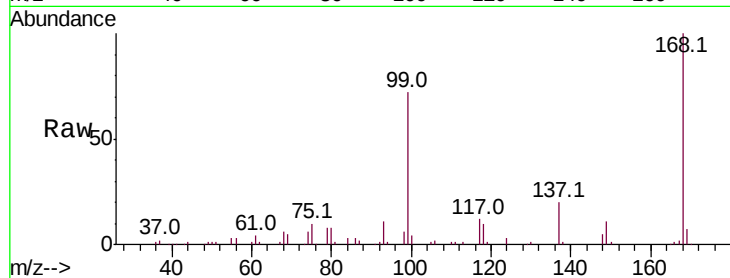
Tot Ion: 75 Resp: 19950

Ion Ratio Lower Upper

75 100

110 6.1 16.5 49.5#

77 0.0 24.6 36.8#

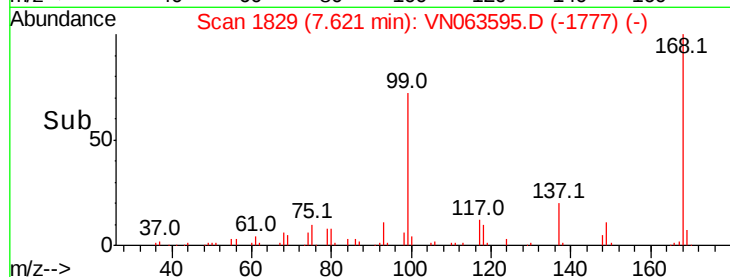


Abundance Ion 74.90 (74.60 to 75.60): VN063360.D (-1848) (-)

Ion 109.90 (109.60 to 110.60): VN063360.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN063360.D (-1848) (-)

Time-->

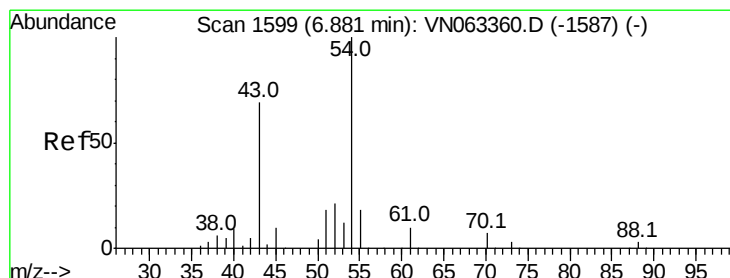


Abundance Ion 74.90 (74.60 to 75.60): VN063595.D (-1777) (-)

Ion 109.90 (109.60 to 110.60): VN063595.D (-1777) (-)

Ion 76.90 (76.60 to 77.60): VN063595.D (-1777) (-)

Time-->



#37

Ethyl Acetate

Concen: 3.313 ug/l

RT: 6.80 min Scan# 1573

Delta R.T. -0.08 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

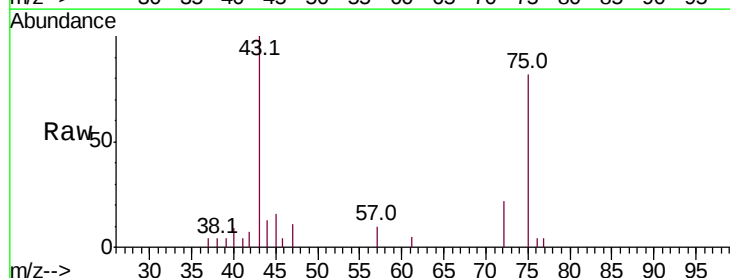
Tgt Ion: 43 Resp: 13474

Ion Ratio Lower Upper

43 100

61 3.4 10.6 15.8#

70 0.0 7.2 10.8#

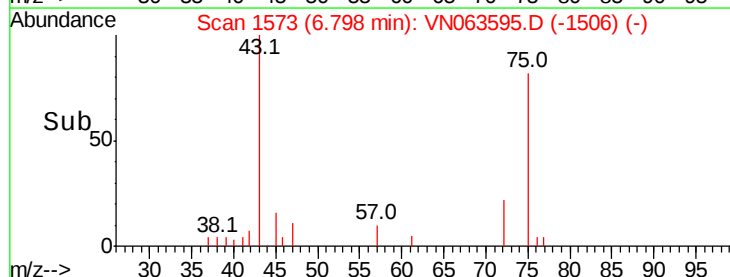


Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-1587) (-)

Ion 60.90 (60.60 to 61.60): VN063360.D (-1587) (-)

Ion 70.00 (69.70 to 70.70): VN063360.D (-1587) (-)

Time-->

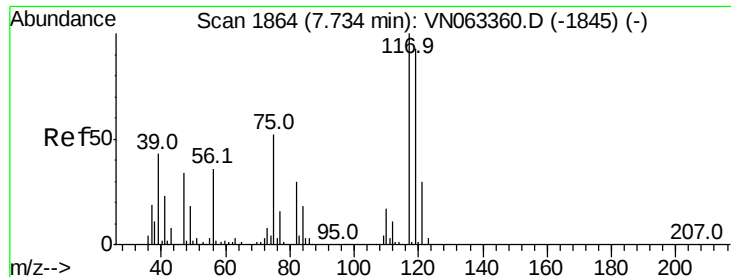


Abundance Ion 43.00 (42.70 to 43.70): VN063595.D (-1506) (-)

Ion 60.90 (60.60 to 61.60): VN063595.D (-1506) (-)

Ion 70.00 (69.70 to 70.70): VN063595.D (-1506) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.559 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.11 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

KTS-GW-01-30

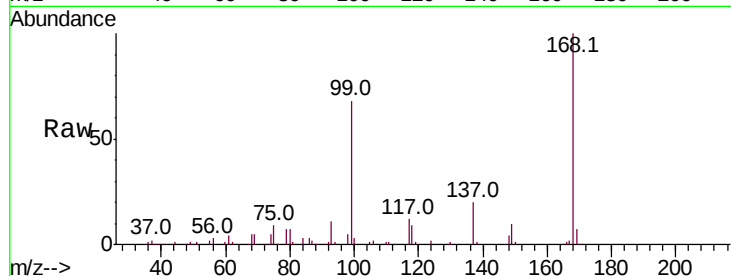
Tot Ion:117 Resp: 23514

Ion Ratio Lower Upper

117 100

119 5.8 74.5 111.7#

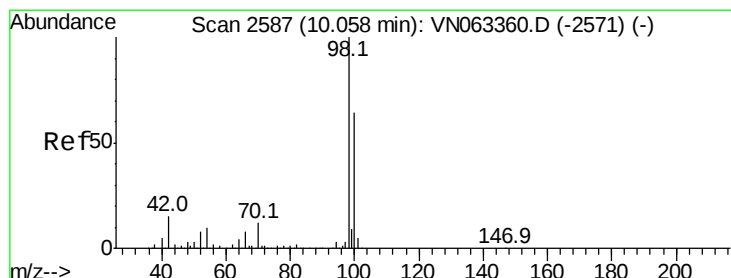
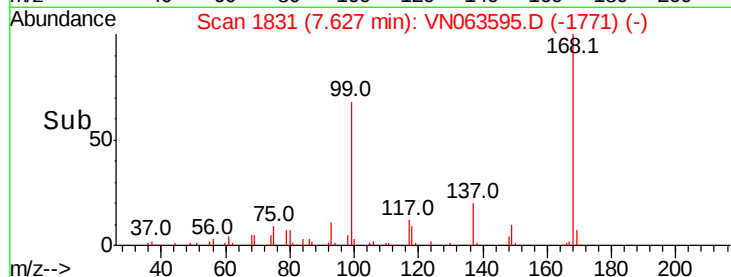
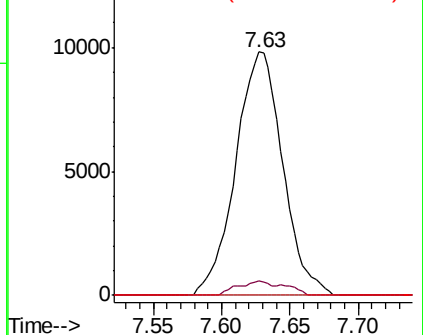
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#50

Toluene-d8

Concen: 48.682 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063595.D

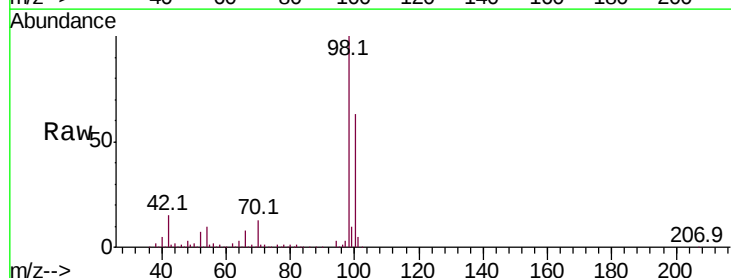
Acq: 23 Sep 2020 17:42

Tgt Ion: 98 Resp: 492854

Ion Ratio Lower Upper

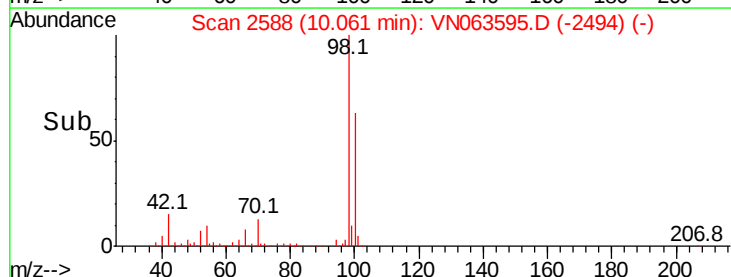
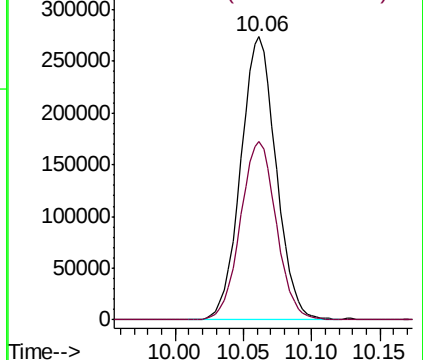
98 100

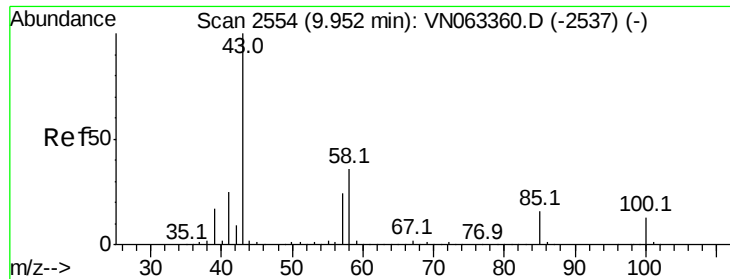
100 63.9 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN





#51

4-Methyl-2-Pentanone

Concen: 0.375 ug/l

RT: 9.96 min Scan# 2555

Delta R.T. 0.00 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

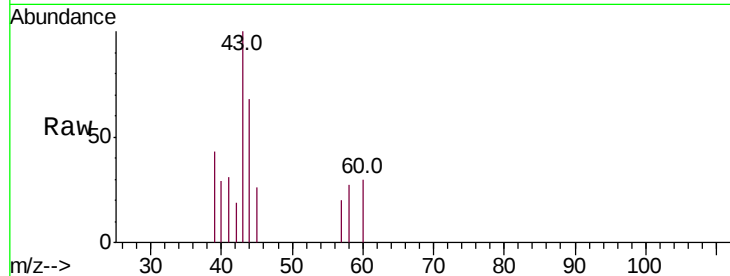
KTS-GW-01-30

Tot Ion: 43 Resp: 1527

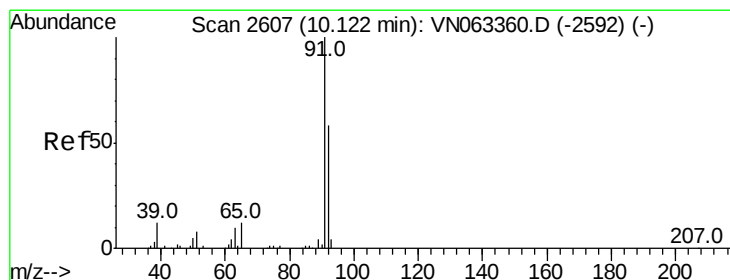
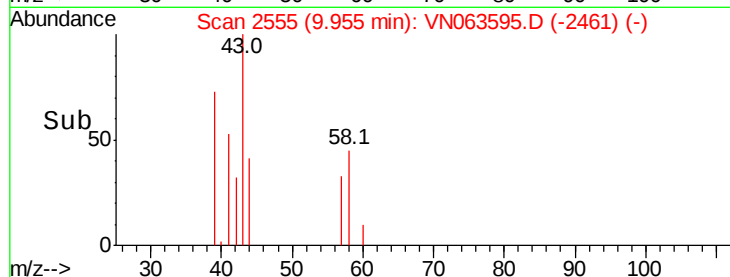
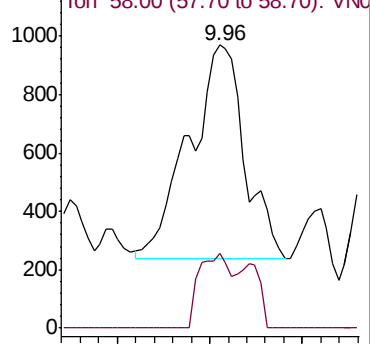
Ion Ratio Lower Upper

43 100

58 19.1 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN063360.D (-2537) (-)



#52

Toluene

Concen: 0.486 ug/l

RT: 10.13 min Scan# 2609

Delta R.T. 0.01 min

Lab File: VN063595.D

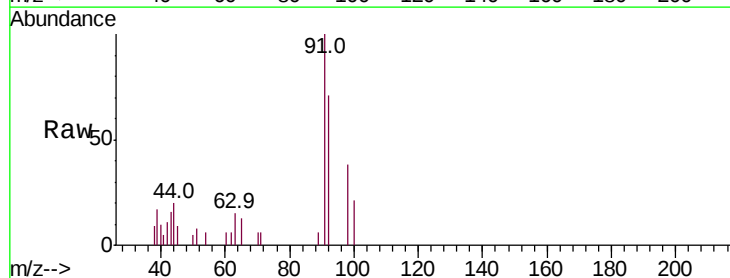
Acq: 23 Sep 2020 17:42

Tgt Ion: 92 Resp: 3453

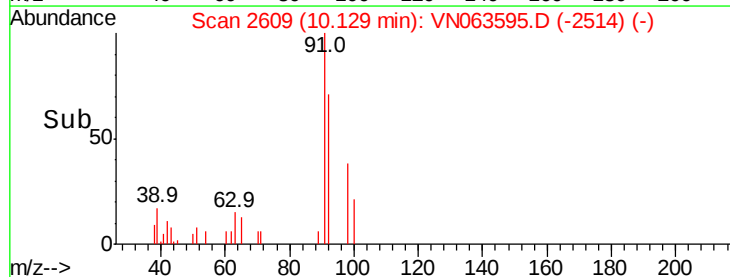
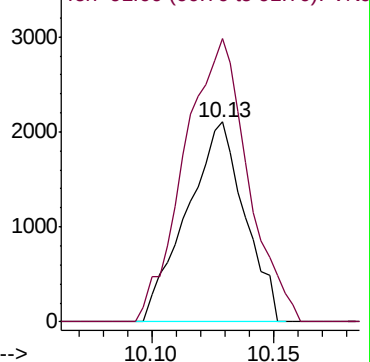
Ion Ratio Lower Upper

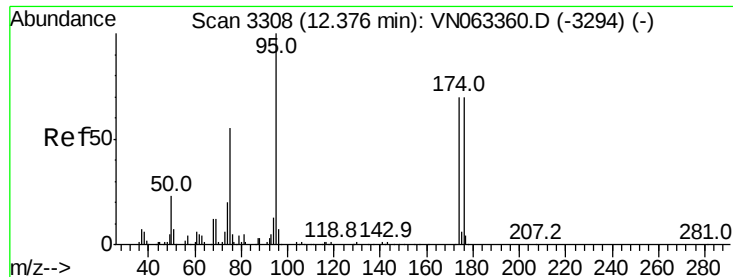
92 100

91 156.2 139.7 209.5



Abundance Ion 92.00 (91.70 to 92.70): VN063360.D (-2592) (-)





#62

4-Bromofluorobenzene

Concen: 52.006 ug/l

RT: 12.38 min Scan# 3308

Delta R.T. -0.00 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

Instrument :

MSVOA_N

ClientSampled :

KTS-GW-01-30

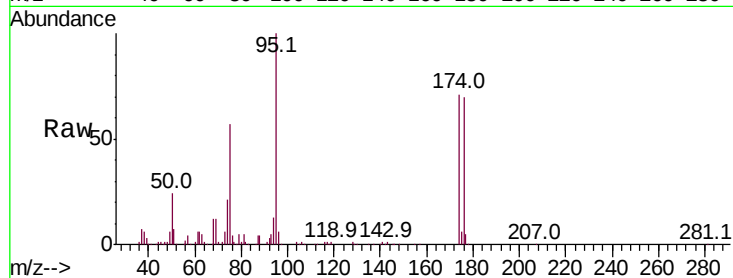
Tot Ion: 95 Resp: 193006

Ion Ratio Lower Upper

95 100

174 73.6 0.0 140.8

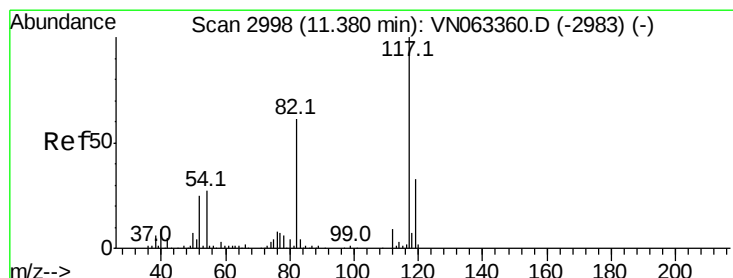
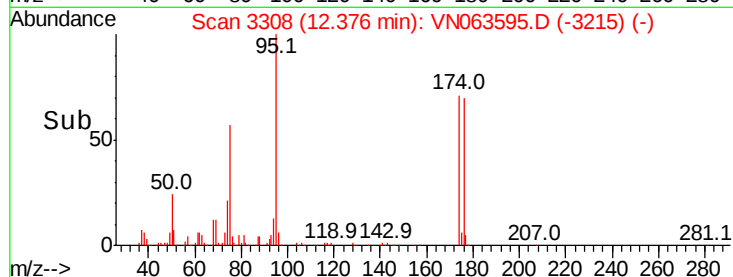
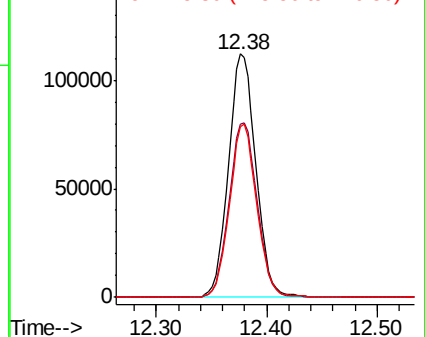
176 70.6 0.0 137.6



Abundance Ion 94.90 (94.60 to 95.60): VN063360.D (-3294) (-)

Ion 173.80 (173.50 to 174.50): VN063360.D (-3294) (-)

Ion 175.80 (175.50 to 176.50): VN063360.D (-3294) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2998

Delta R.T. -0.00 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

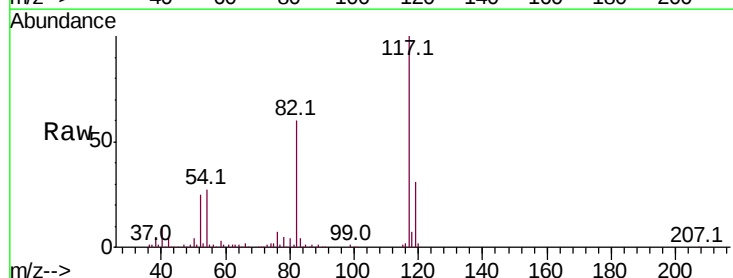
Tgt Ion: 117 Resp: 393413

Ion Ratio Lower Upper

117 100

82 59.7 49.2 73.8

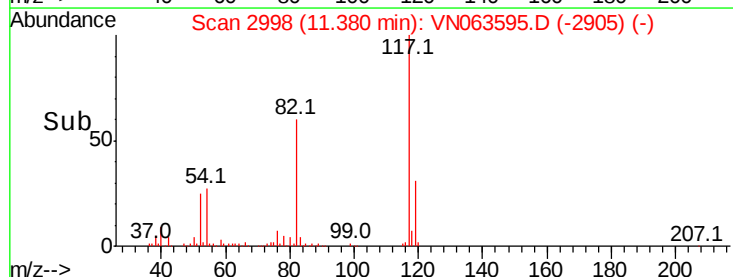
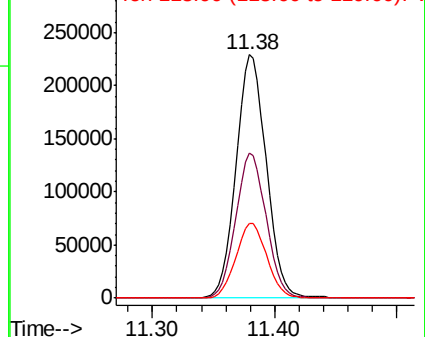
119 30.8 26.2 39.4

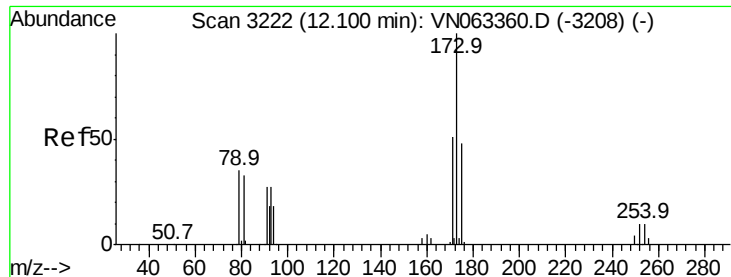


Abundance Ion 116.90 (116.60 to 117.60): VN063360.D (-2983) (-)

Ion 82.00 (81.70 to 82.70): VN063360.D (-2983) (-)

Ion 118.90 (118.60 to 119.60): VN063360.D (-2983) (-)

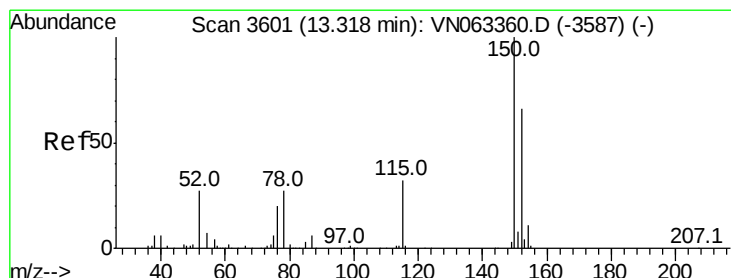
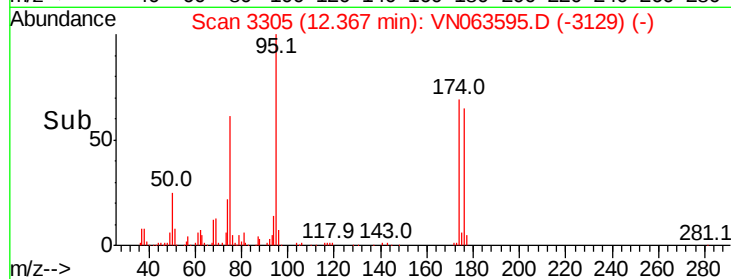
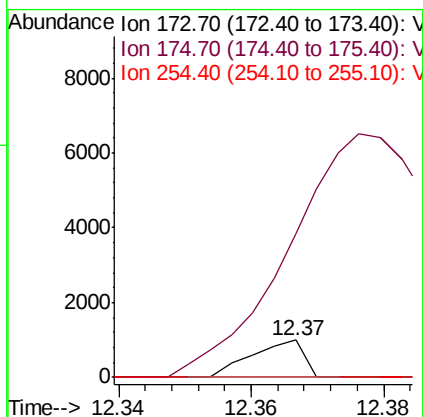
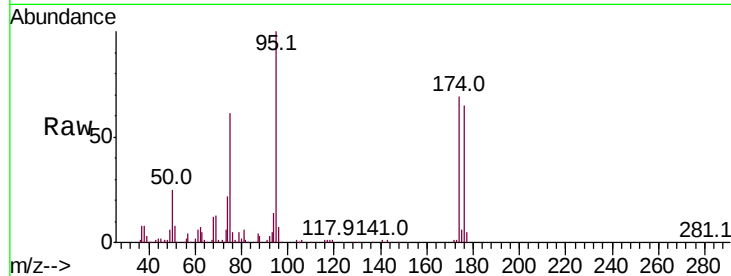




#71
Bromoform
Concen: 0.239 ug/l
RT: 12.37 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN063595.D
Acq: 23 Sep 2020 17:42

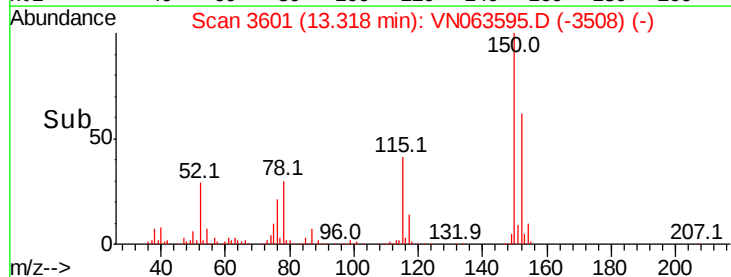
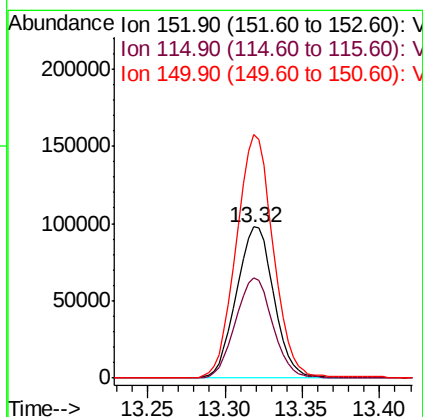
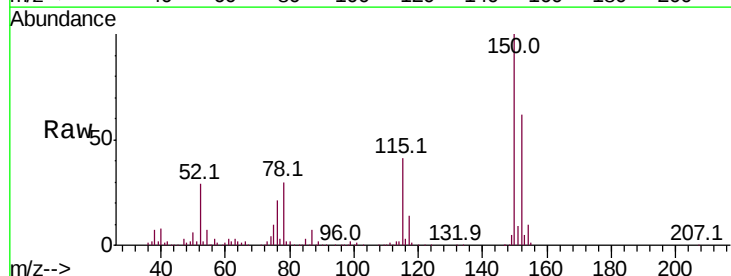
Instrument :
MSVOA_N
ClientSampleId :
KTS-GW-01-30

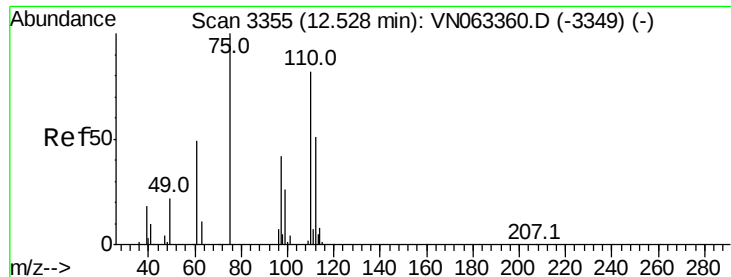
Tot Ion:173 Resp: 544
Ion Ratio Lower Upper
173 100
175 1603.7 24.0 72.0#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063595.D
Acq: 23 Sep 2020 17:42

Tgt Ion:152 Resp: 165063
Ion Ratio Lower Upper
152 100
115 66.1 32.2 96.6
150 159.1 0.0 343.4





#76

1,2,3-Trichloropropane

Concen: 27.162 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. -0.15 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

Instrument :

MSVOA_N

ClientSampleId :

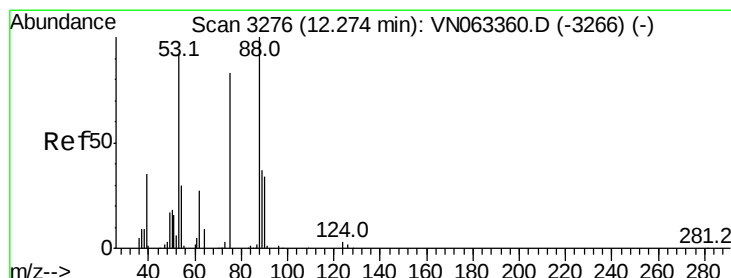
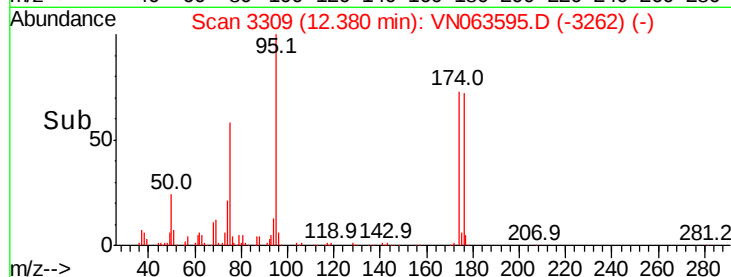
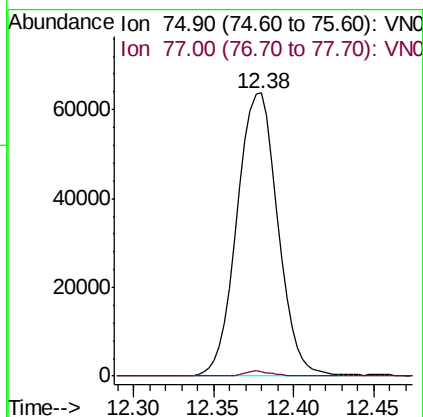
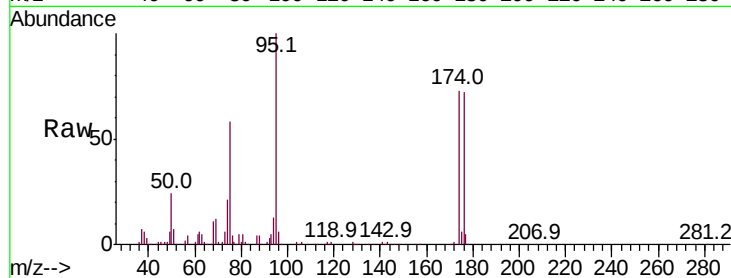
KTS-GW-01-30

Tot Ion: 75 Resp: 110971

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 74.468 ug/l

RT: 12.38 min Scan# 3309

Delta R.T. 0.11 min

Lab File: VN063595.D

Acq: 23 Sep 2020 17:42

Tgt Ion: 75 Resp: 110971

Ion Ratio Lower Upper

75 100

53 0.0 85.7 128.5#

89 0.0 38.0 57.0#

