

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VW112621\
 Data File : VW023724.D
 Acq On : 26 Nov 2021 14:35
 Operator : SY/MD
 Sample : M4821-02DL 5X
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Nov 27 03:53:32 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVTR112321WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Sat Nov 27 03:48:32 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	5.619	114	137109	5.000	ug/L	0.00
28) Chlorobenzene-d5	8.853	117	133181	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.249	152	63842	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.307	65	33829	3.006	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	60.200%
7) Chloroethane-d5	1.568	69	31939	3.610	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	72.200%
11) 1,1-Dichloroethene-d2	2.108	63	48385	2.439	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	48.800%#
20) 2-Butanone-d5	3.895	46	85565	63.237	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	126.480%
24) Chloroform-d	4.352	84	77832	3.971	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	79.400%
26) 1,2-Dichloroethane-d4	5.037	65	39097	4.270	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.400%
32) Benzene-d6	5.053	84	141310	3.895	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	78.000%
36) 1,2-Dichloropropane-d6	6.072	67	43959	4.322	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	86.400%
41) Toluene-d8	7.317	98	118785	3.504	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	70.000%
43) trans-1,3-Dichloroprop...	7.625	79	16249	3.963	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	79.200%
46) 2-Hexanone-d5	8.091	63	66265	48.648	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	97.300%
56) 1,1,2,2-Tetrachloroeth...	10.217	84	31961	4.367	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	87.400%
66) 1,2-Dichlorobenzene-d4	11.625	152	50597	4.483	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	89.600%
Target Compounds						Qvalue
5) Vinyl chloride	1.310	62	4429	0.373	ug/L #	68
6) Bromomethane	1.526	94	304	0.045	ug/L	78
8) Chloroethane	1.310	64	1851	0.246	ug/L	94
12) 1,1-Dichloroethene	2.111	96	620	0.067	ug/L #	1
17) Methyl tert-butyl Ether	2.770	73	137482	7.303	ug/L	99
18) trans-1,2-Dichloroethene	2.767	96	6912	0.661	ug/L	98
19) 1,1-Dichloroethane	3.198	63	4244	0.241	ug/L	92
22) cis-1,2-Dichloroethene	3.918	96	16790	1.673	ug/L	95
33) Benzene	5.111	78	2712	0.071	ug/L	100
34) Trichloroethene	5.918	95	2848	0.280	ug/L	86
35) Methylcyclohexane	6.072	83	11245	0.709	ug/L #	19
37) 1,2-Dichloropropane	6.072	63	5076	0.562	ug/L #	84
39) cis-1,3-Dichloropropene	6.989	75	1342	0.104	ug/L #	76
42) Toluene	7.403	91	2678	0.065	ug/L	84
48) 2-Hexanone	8.152	43	2323	0.730	ug/L #	77
61) 1,2,3-Trichloropropane	11.249	75	6399	1.413	ug/L #	59

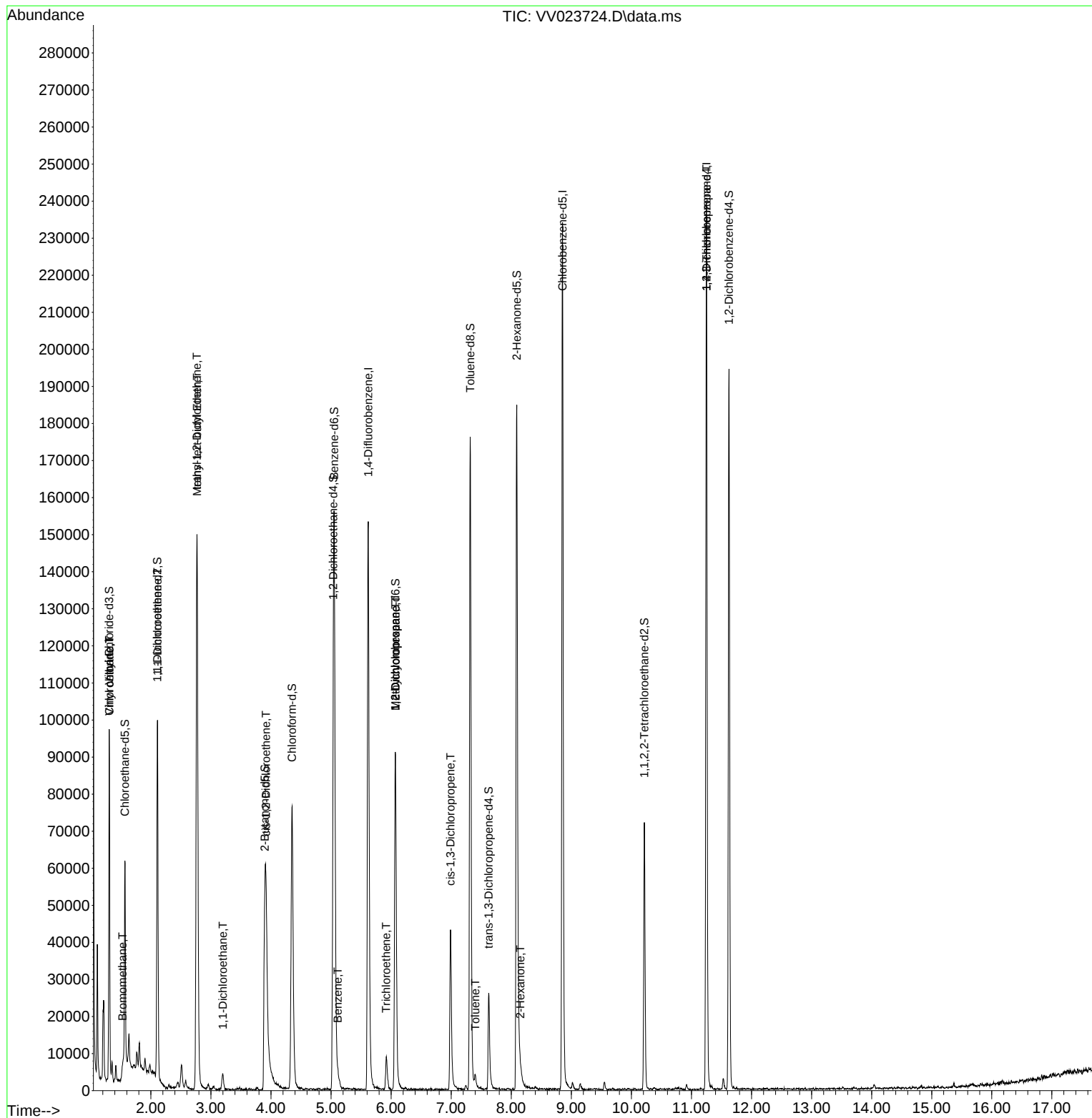
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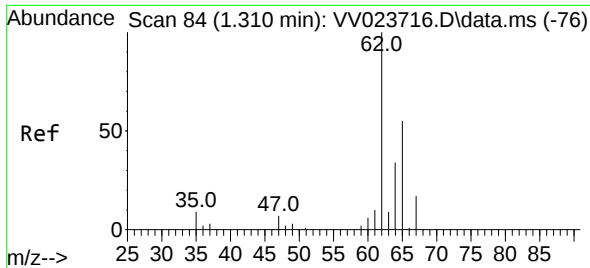
Instrument :
MSVOA_V
ClientSampleId :

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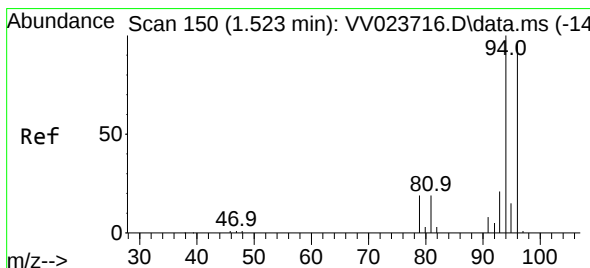
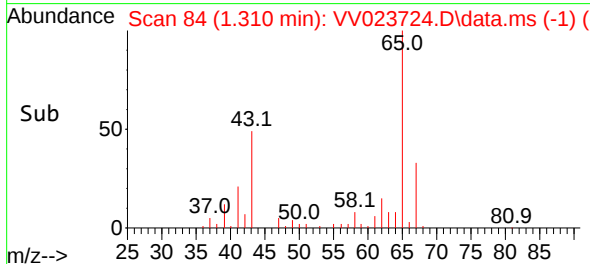
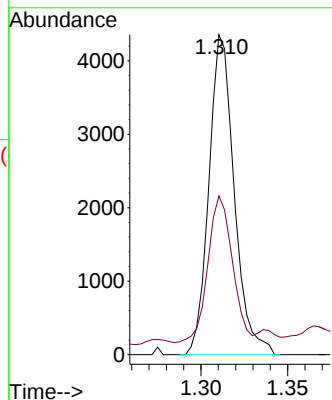
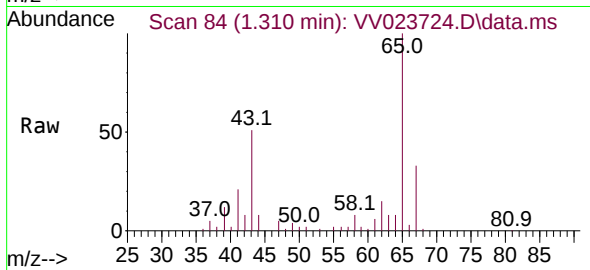




#5
 Vinyl chloride
 Concen: 0.373 ug/L
 RT: 1.310 min Scan# 84
 Delta R.T. -0.000 min
 Lab File: VV023724.D
 Acq: 26 Nov 2021 14:35

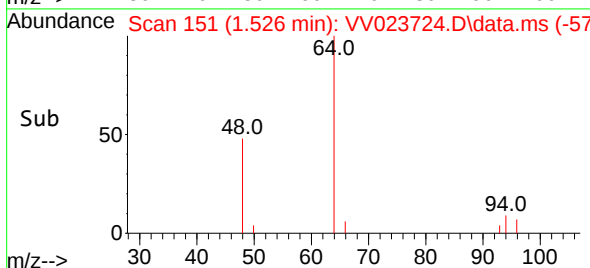
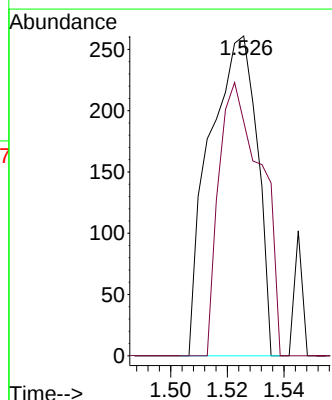
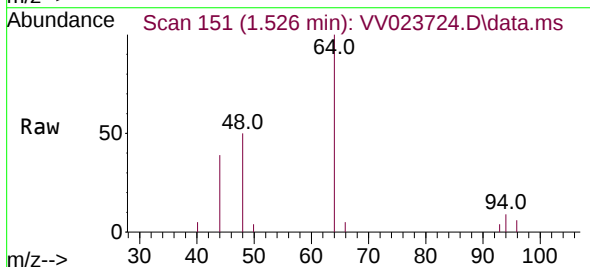
Instrument :
 MSVOA_V
 ClientSampleId :

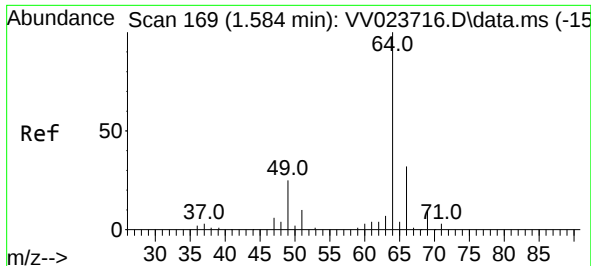
Tgt Ion: 62 Resp: 4429
 Ion Ratio Lower Upper
 62 100
 64 49.6 22.4 41.6#



#6
 Bromomethane
 Concen: 0.045 ug/L
 RT: 1.526 min Scan# 151
 Delta R.T. 0.003 min
 Lab File: VV023724.D
 Acq: 26 Nov 2021 14:35

Tgt Ion: 94 Resp: 304
 Ion Ratio Lower Upper
 94 100
 96 73.2 66.2 123.0





#8

Chloroethane

Concen: 0.246 ug/L

RT: 1.310 min Scan# 84

Delta R.T. -0.273 min

Lab File: VV023724.D

Acq: 26 Nov 2021 14:35

Instrument :

MSVOA_V

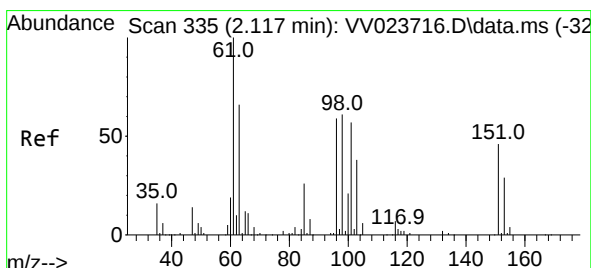
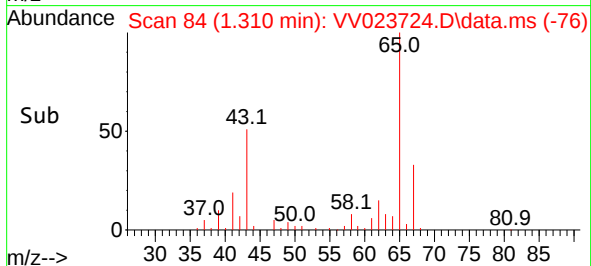
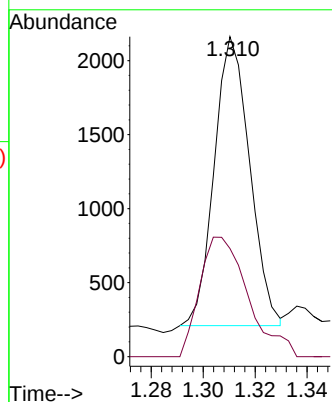
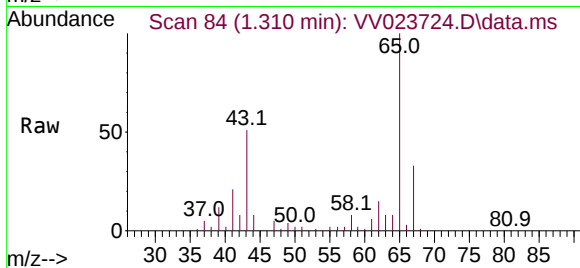
ClientSampleId :

Tgt Ion: 64 Resp: 1851

Ion Ratio Lower Upper

64 100

66 33.8 21.4 39.8



#12

1,1-Dichloroethene

Concen: 0.067 ug/L

RT: 2.111 min Scan# 333

Delta R.T. -0.006 min

Lab File: VV023724.D

Acq: 26 Nov 2021 14:35

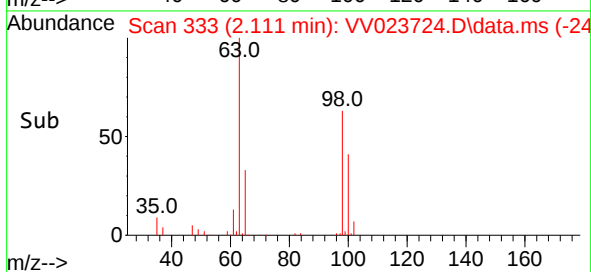
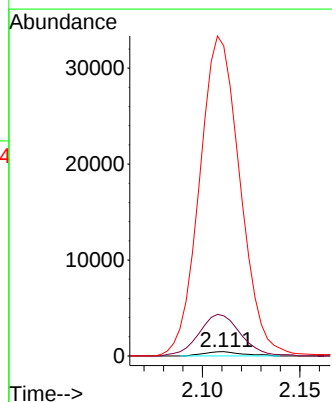
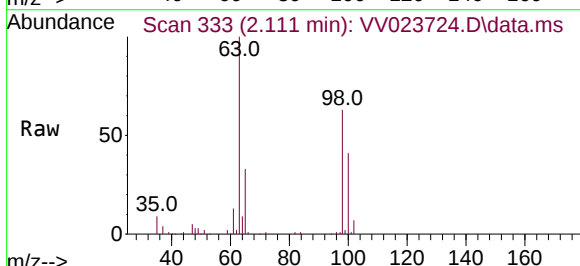
Tgt Ion: 96 Resp: 620

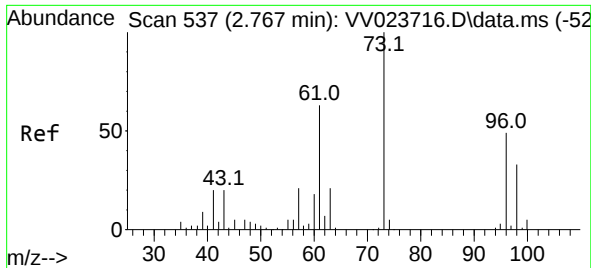
Ion Ratio Lower Upper

96 100

61 934.3 116.1 215.5#

63 7200.0 79.4 147.4#

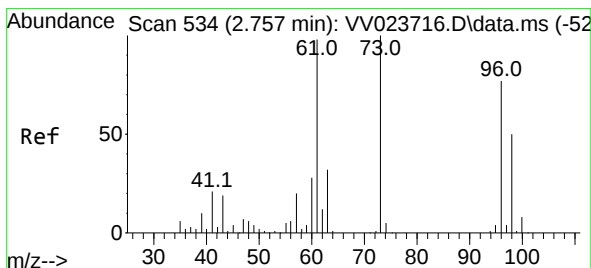
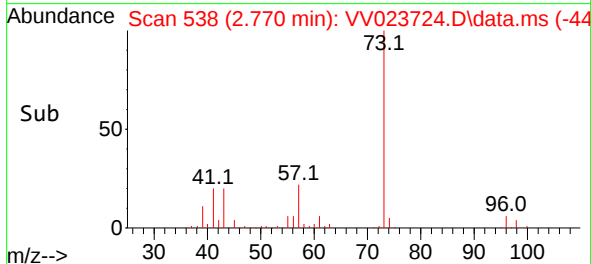
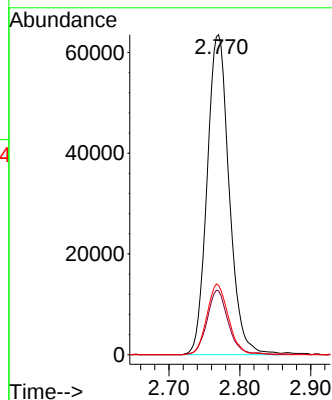
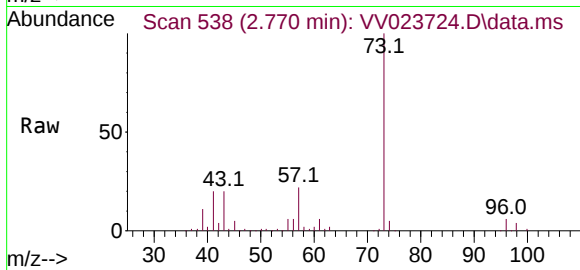




#17
Methyl tert-butyl Ether
Concen: 7.303 ug/L
RT: 2.770 min Scan# 51
Delta R.T. 0.003 min
Lab File: VV023724.D
Acq: 26 Nov 2021 14:35

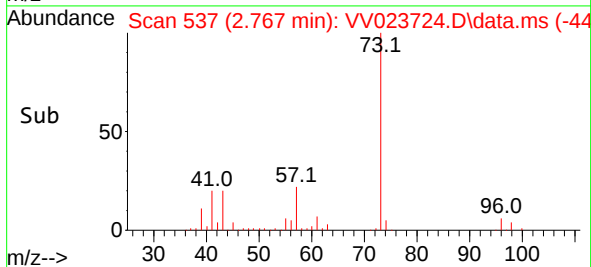
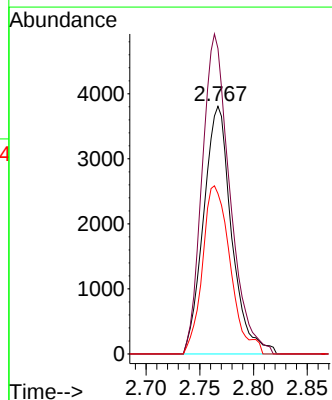
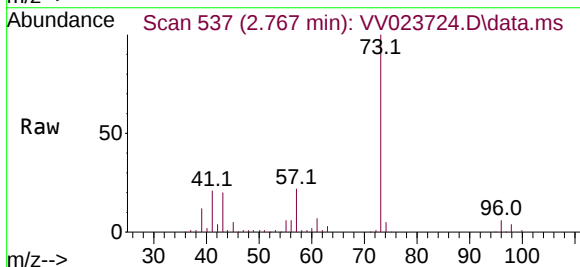
Instrument :
MSVOA_V
ClientSampleId :

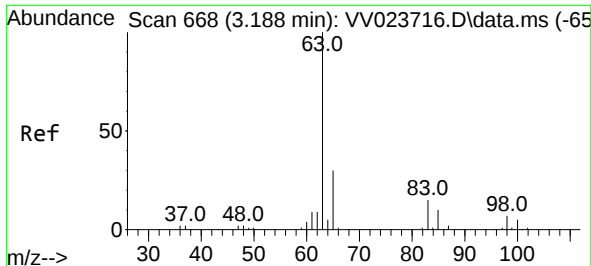
Tgt Ion: 73 Resp: 137482
Ion Ratio Lower Upper
73 100
43 19.1 15.5 23.3
57 21.6 17.1 25.7



#18
trans-1,2-Dichloroethene
Concen: 0.661 ug/L
RT: 2.767 min Scan# 537
Delta R.T. 0.010 min
Lab File: VV023724.D
Acq: 26 Nov 2021 14:35

Tgt Ion: 96 Resp: 6912
Ion Ratio Lower Upper
96 100
61 123.3 88.2 163.8
98 64.7 44.9 83.5





#19

1,1-Dichloroethane

Concen: 0.241 ug/L

RT: 3.198 min Scan# 6

Delta R.T. 0.010 min

Lab File: VV023724.D

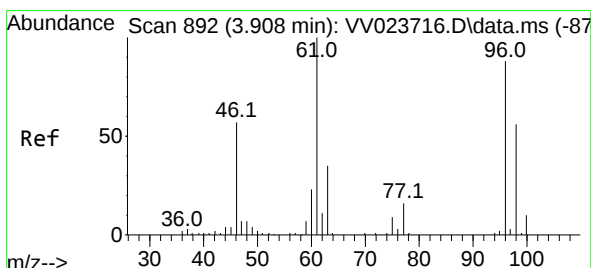
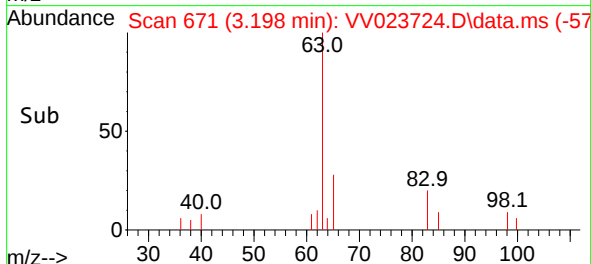
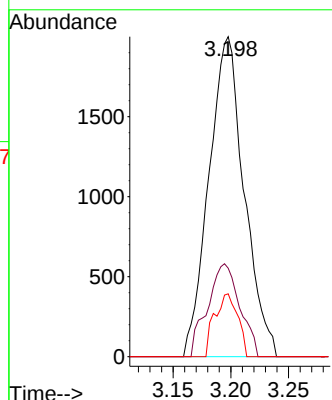
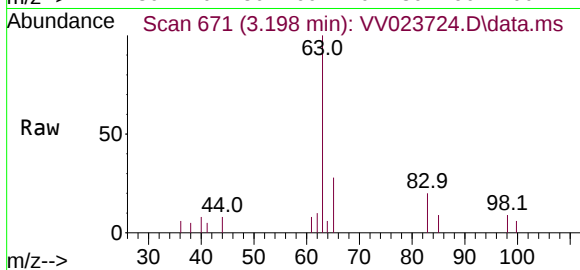
Acq: 26 Nov 2021 14:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 63	Resp: 4244
Ion Ratio	Lower Upper
63 100	
65 27.6	22.3 41.3
83 19.6	10.7 19.9



#22

cis-1,2-Dichloroethene

Concen: 1.673 ug/L

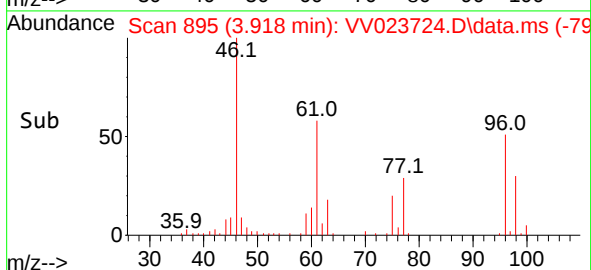
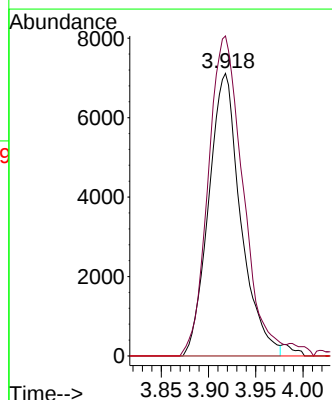
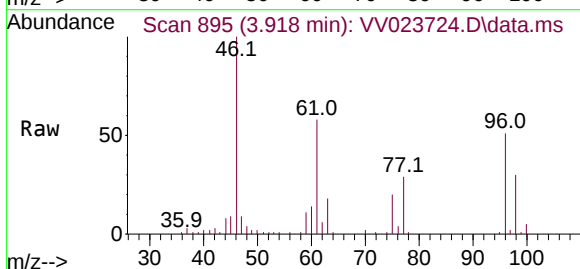
RT: 3.918 min Scan# 895

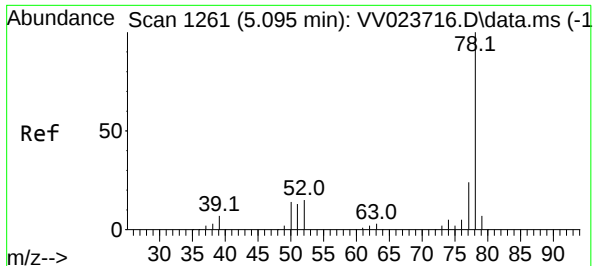
Delta R.T. 0.010 min

Lab File: VV023724.D

Acq: 26 Nov 2021 14:35

Tgt Ion: 96	Resp: 16790
Ion Ratio	Lower Upper
96 100	
61 113.2	83.4 154.8
68 0.0	0.0 0.0





#33

Benzene

Concen: 0.071 ug/L

RT: 5.111 min Scan# 1517

Delta R.T. 0.016 min

Lab File: VV023724.D

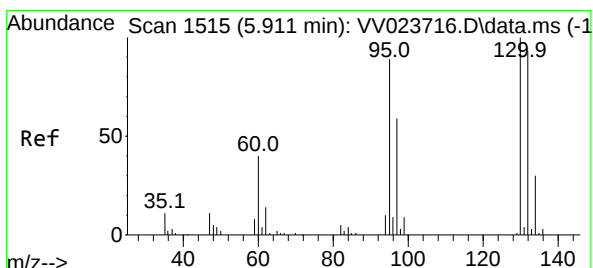
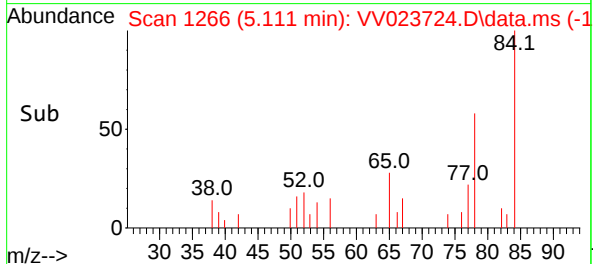
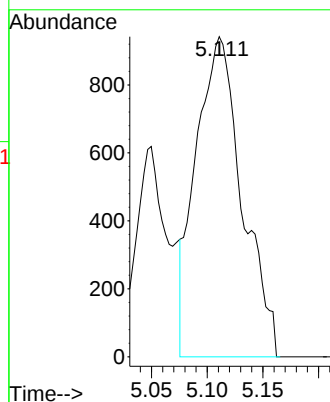
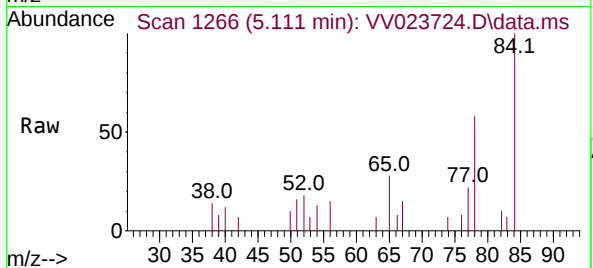
Acq: 26 Nov 2021 14:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 78 Resp: 2712



#34

Trichloroethene

Concen: 0.280 ug/L

RT: 5.918 min Scan# 1517

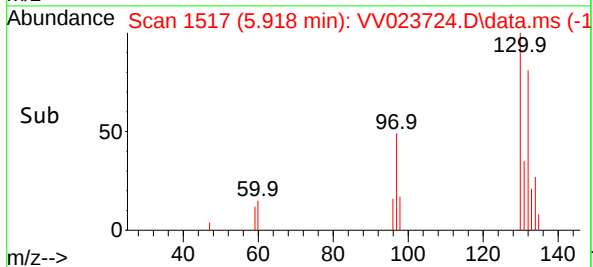
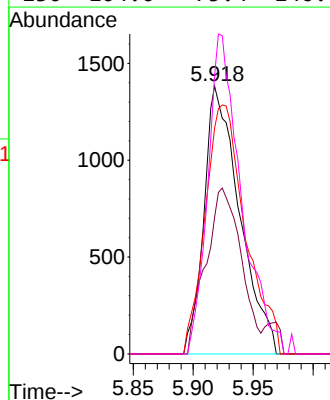
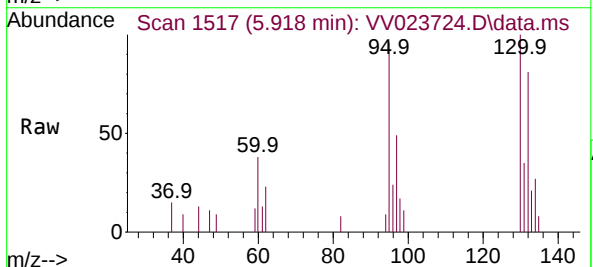
Delta R.T. 0.006 min

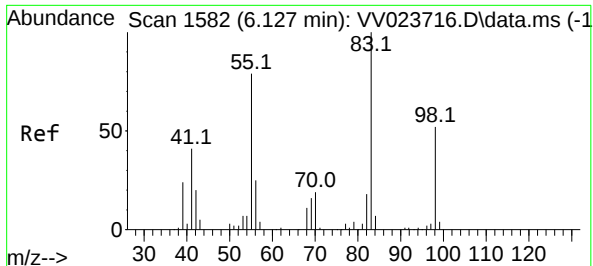
Lab File: VV023724.D

Acq: 26 Nov 2021 14:35

Tgt Ion: 95 Resp: 2848

Ion	Ratio	Lower	Upper
95	100		
97	51.0	45.2	84.0
132	84.3	76.1	141.3
130	104.0	75.4	140.0





#35

Methylcyclohexane

Concen: 0.709 ug/L

RT: 6.072 min Scan# 1565

Delta R.T. -0.055 min

Lab File: VV023724.D

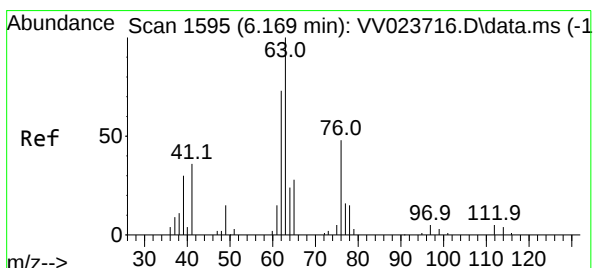
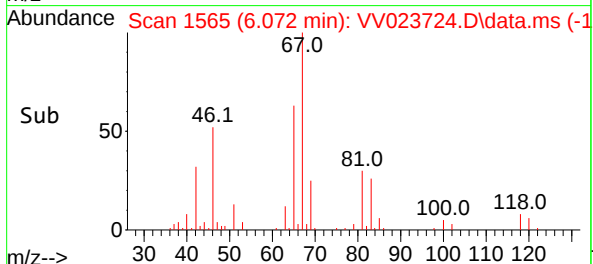
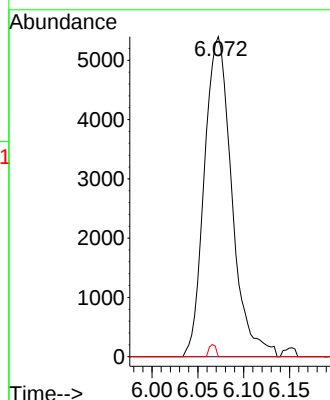
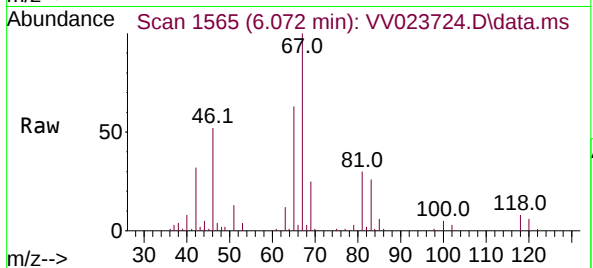
Acq: 26 Nov 2021 14:35

Instrument :

MSVOA_V

ClientSampleId :

Tgt Ion: 83	Resp: 11245
Ion Ratio	Lower Upper
83	100
55	0.4 60.2 90.2#
98	0.9 41.0 61.4#



#37

1,2-Dichloropropane

Concen: 0.562 ug/L

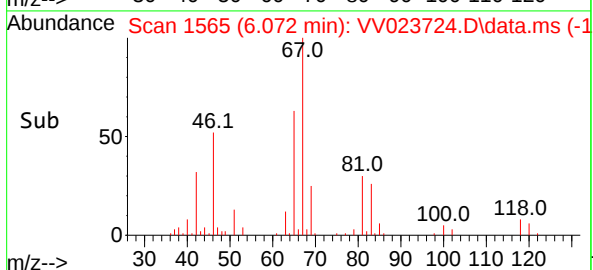
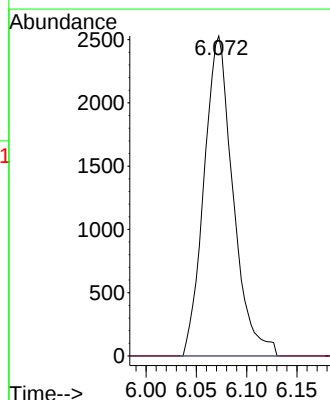
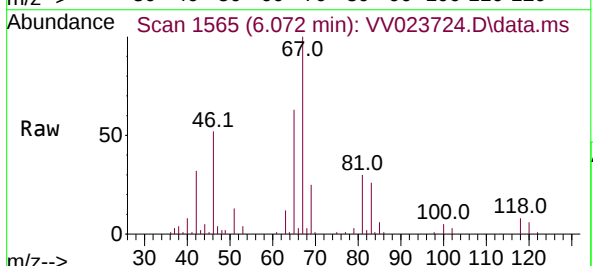
RT: 6.072 min Scan# 1565

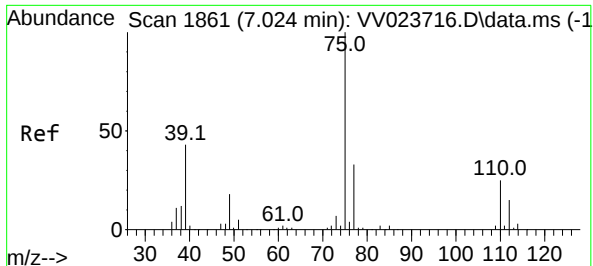
Delta R.T. -0.097 min

Lab File: VV023724.D

Acq: 26 Nov 2021 14:35

Tgt Ion: 63	Resp: 5076
Ion Ratio	Lower Upper
63	100
112	0.0 4.3 6.5#





#39

cis-1,3-Dichloropropene

Concen: 0.104 ug/L

RT: 6.989 min Scan# 1850

Delta R.T. -0.035 min

Lab File: VV023724.D

Acq: 26 Nov 2021 14:35

Instrument :

MSVOA_V

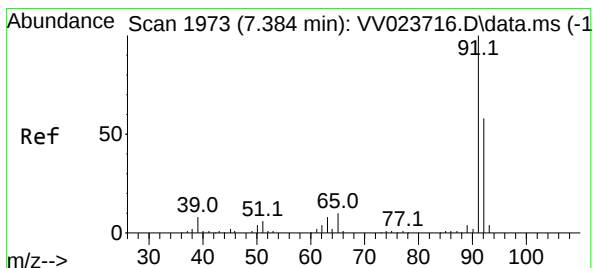
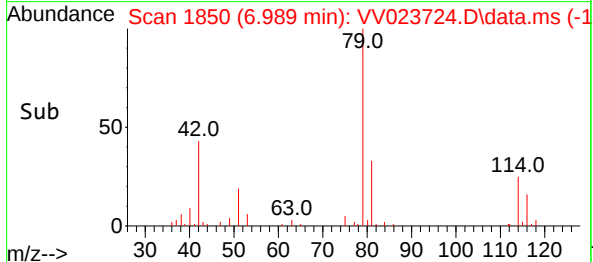
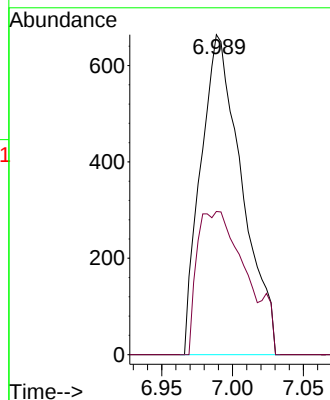
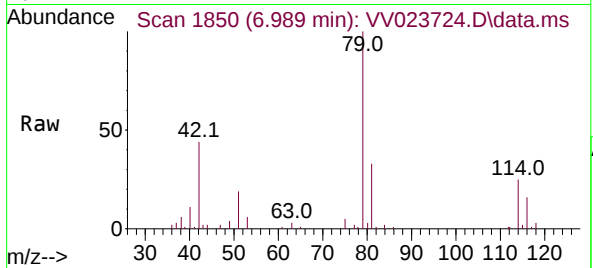
ClientSampleId :

Tgt Ion: 75 Resp: 1342

Ion Ratio Lower Upper

75 100

77 44.7 22.0 41.0#



#42

Toluene

Concen: 0.065 ug/L

RT: 7.403 min Scan# 1979

Delta R.T. 0.019 min

Lab File: VV023724.D

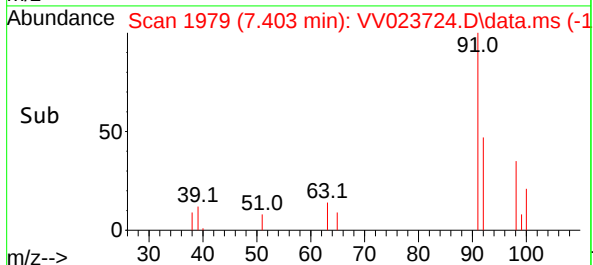
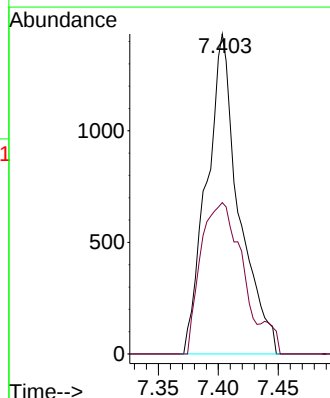
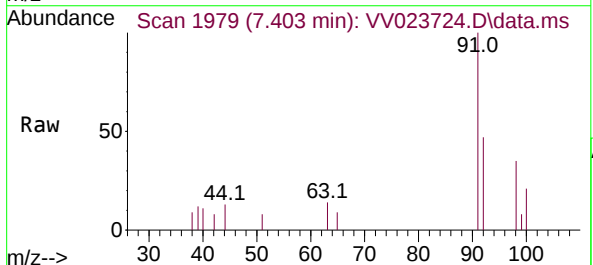
Acq: 26 Nov 2021 14:35

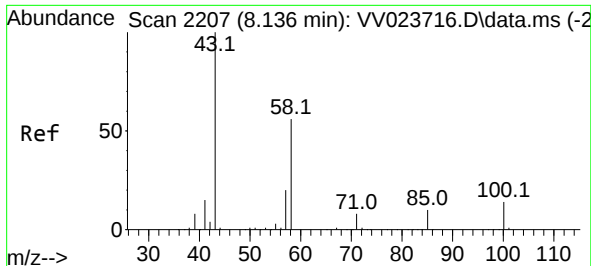
Tgt Ion: 91 Resp: 2678

Ion Ratio Lower Upper

91 100

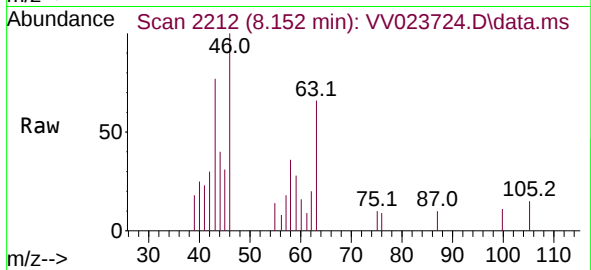
92 47.3 41.5 77.1



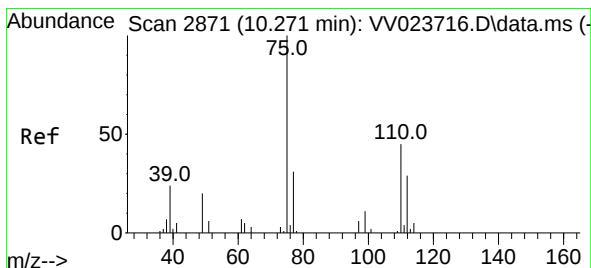
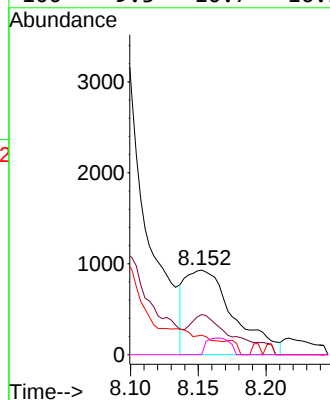
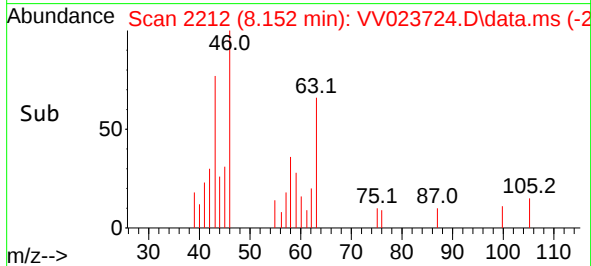


#48
2-Hexanone
Concen: 0.730 ug/L
RT: 8.152 min Scan# 21
Delta R.T. 0.016 min
Lab File: VV023724.D
Acq: 26 Nov 2021 14:35

Instrument :
MSVOA_V
ClientSampleId :



Tgt Ion: 43 Resp: 2323
Ion Ratio Lower Upper
43 100
58 41.7 44.5 66.7#
57 0.0 15.1 22.7#
100 9.3 10.7 16.1#



#61
1,2,3-Trichloropropane
Concen: 1.413 ug/L
RT: 11.249 min Scan# 3175
Delta R.T. 0.977 min
Lab File: VV023724.D
Acq: 26 Nov 2021 14:35

Tgt Ion: 75 Resp: 6399
Ion Ratio Lower Upper
75 100
77 38.9 26.4 39.6
110 2.0 34.2 51.2#

