

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112818\
 Data File : VN052524.D
 Acq On : 28 Nov 2018 17:15
 Operator : MD\SY
 Sample : J6065-02DL 40X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 20 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 USTS-1-2-3DL

Quant Time: Nov 29 00:11:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 28 01:11:38 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1411199	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2130017	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1806347	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	683144	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	700028	45.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.12%	
35) Dibromofluoromethane	7.59	113	641221	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	
50) Toluene-d8	10.09	98	2561200	50.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.22%	
62) 4-Bromofluorobenzene	12.40	95	793673	46.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.42%	

Target Compounds

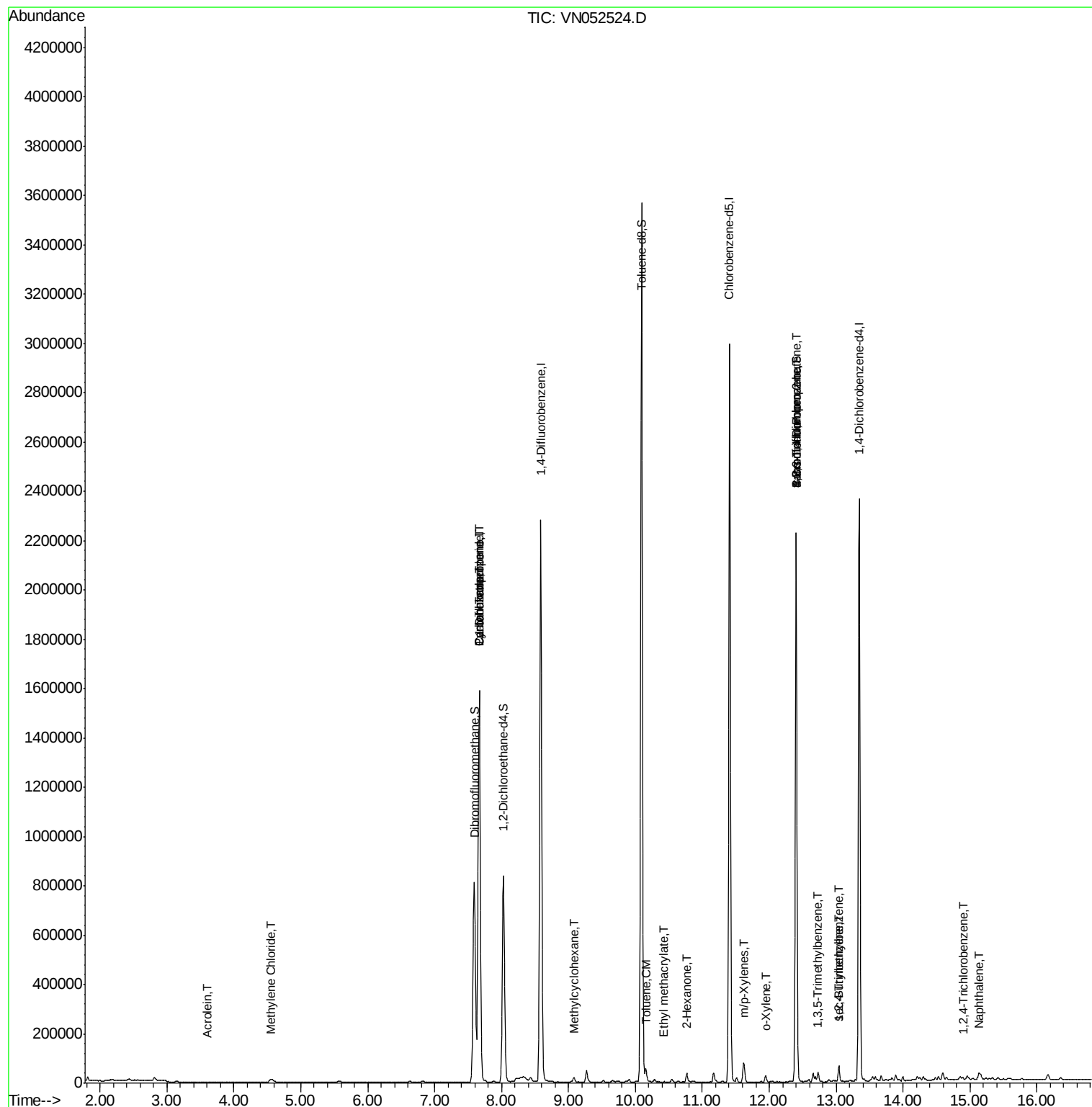
						Qvalue
13) Acrolein	3.61	56	208	33.609	ug/l #	14
20) Methylene Chloride	4.56	84	9667	0.610	ug/l	89
31) Cyclohexane	7.66	56	26804	0.653	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	96490	4.797	ug/l #	49
38) Carbon Tetrachloride	7.67	117	124953	6.862	ug/l #	16
39) Methylcyclohexane	9.08	83	7223	0.295	ug/l	94
52) Toluene	10.16	92	19147	0.538	ug/l	94
56) Ethyl methacrylate	10.42	69	128	2.700	ug/l #	1
59) 2-Hexanone	10.77	43	5458	0.698	ug/l #	53
68) m/p-Xylenes	11.62	106	26750	1.102	ug/l	99
69) o-Xylene	11.95	106	7151	0.303	ug/l	92
71) Bromoform	12.40	173	4601	0.537	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	375715	35.665	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	10142	0.237	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.40	75	375715	119.105	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.04	105	37612	0.878	ug/l	99
85) sec-Butylbenzene	13.04	105	37612	0.725	ug/l #	57
93) 1,2,4-Trichlorobenzene	14.91	180	29	2.832	ug/l #	1
95) Naphthalene	15.14	128	18713	4.106	ug/l #	97

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN112818\
Data File : VN052524.D
Acq On : 28 Nov 2018 17:15
Operator : MD\SY
Sample : J6065-02DL 40X
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 20 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
USTS-1-2-3DL

Quant Time: Nov 29 00:11:00 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N112718W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 28 01:11:38 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

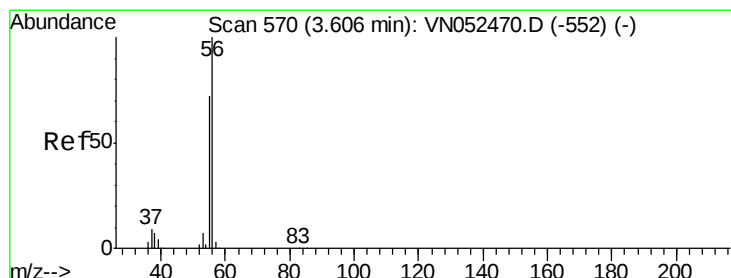
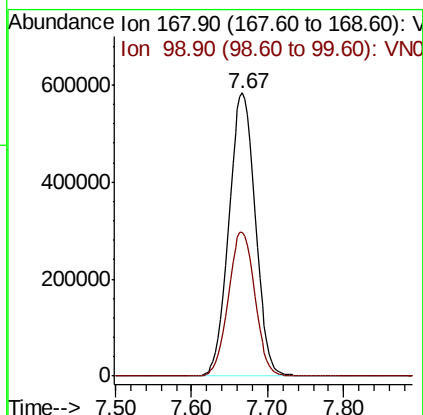
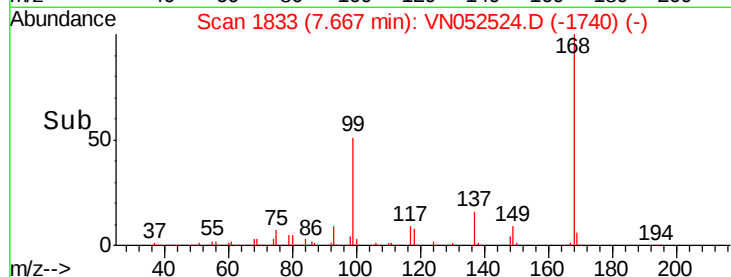
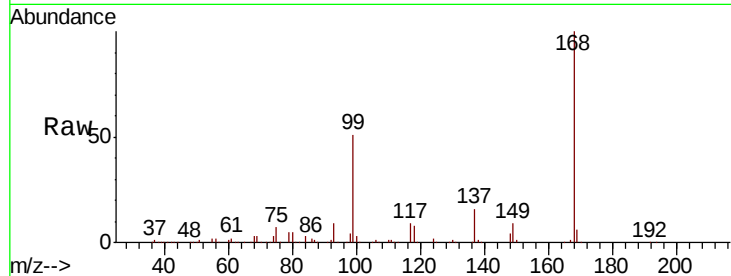
USTS-1-2-3DL

Tot Ion:168 Resp: 1411199

Ion Ratio Lower Upper

168 100

99 51.0 41.7 62.5



#13

Acrolein

Concen: 33.609 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN052524.D

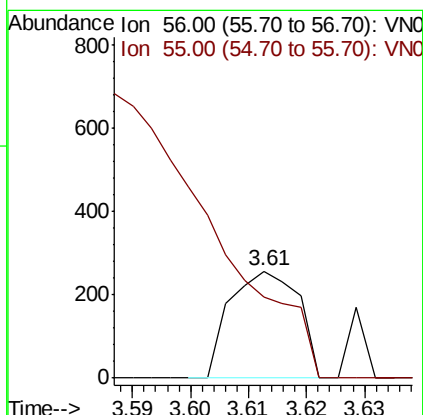
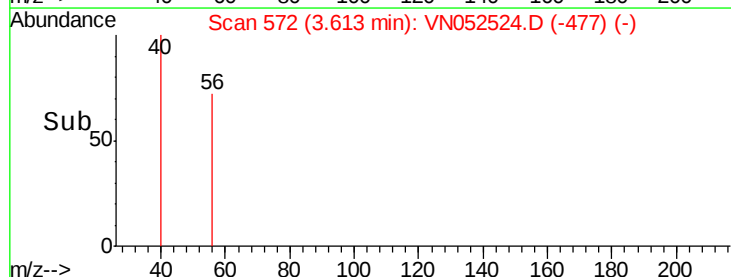
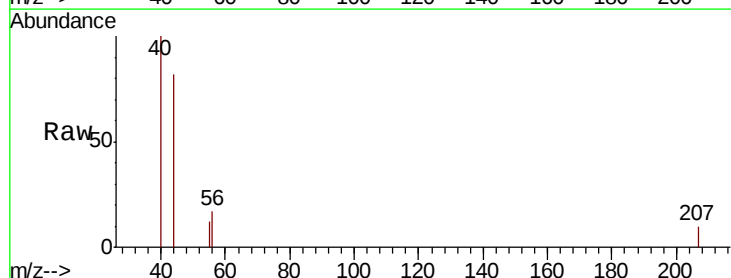
Acq: 28 Nov 2018 17:15

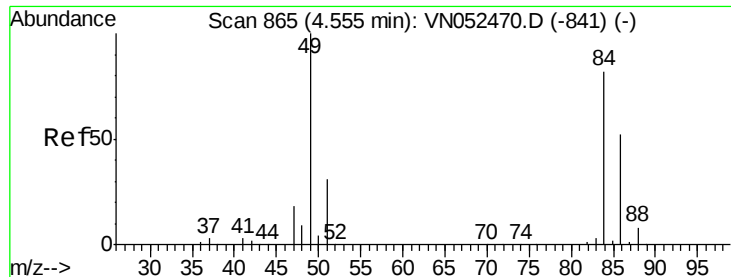
Tgt Ion: 56 Resp: 208

Ion Ratio Lower Upper

56 100

55 0.0 56.8 85.2#

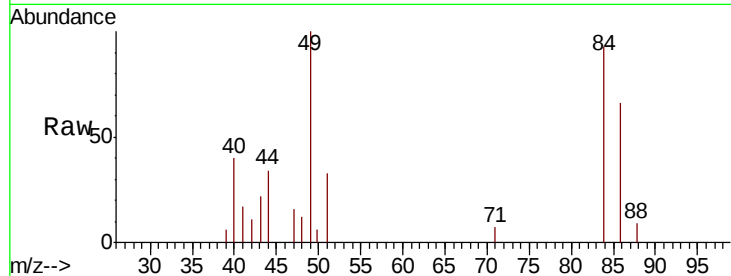




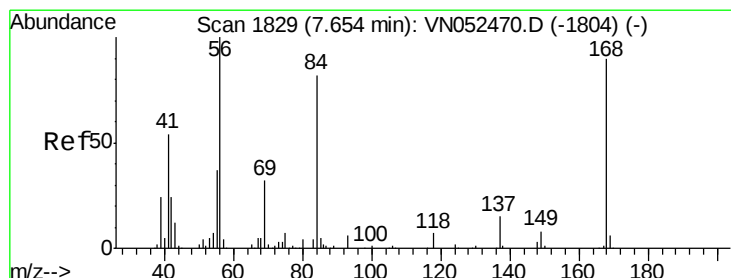
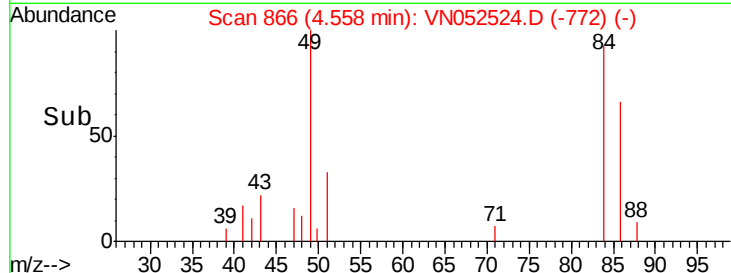
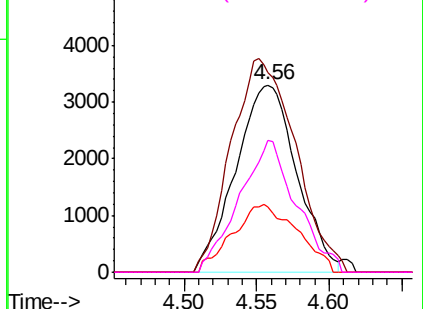
#20
Methvlene Chloride
Concen: 0.610 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN052524.D
Acq: 28 Nov 2018 17:15

Instrument :
MSVOA_N
ClientSampleId :
USTS-1-2-3DL

Tot Ion: 84 Resp: 9667
Ion Ratio Lower Upper
84 100
49 107.0 98.0 147.0
51 34.9 30.1 45.1
86 70.3 50.7 76.1

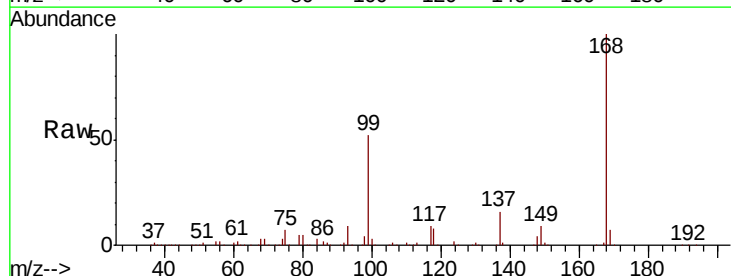


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

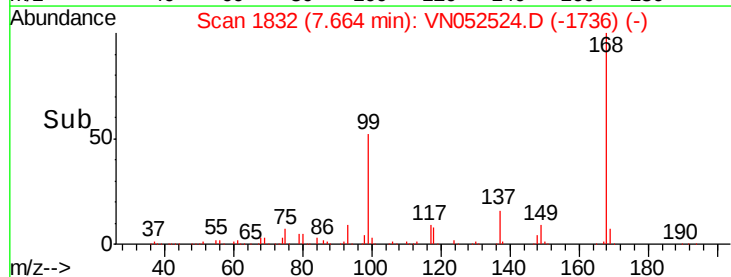
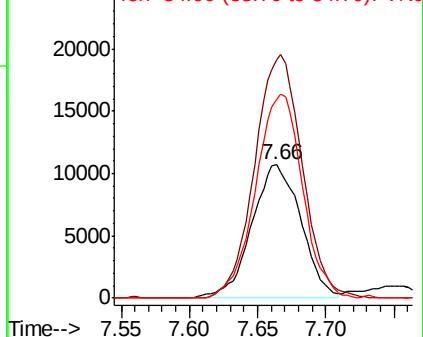


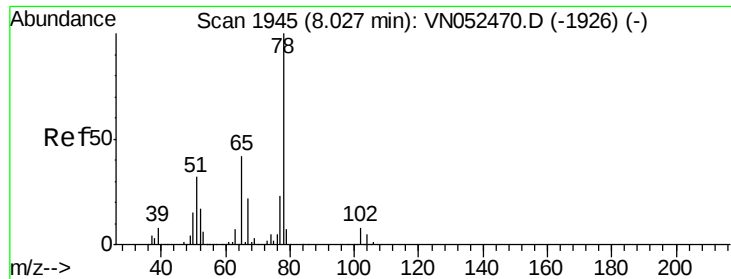
#31
Cyclohexane
Concen: 0.653 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052524.D
Acq: 28 Nov 2018 17:15

Tgt Ion: 56 Resp: 26804
Ion Ratio Lower Upper
56 100
69 178.9 25.8 38.6#
84 149.6 65.3 97.9#



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

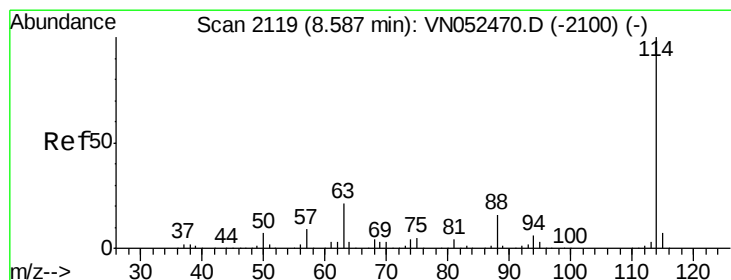
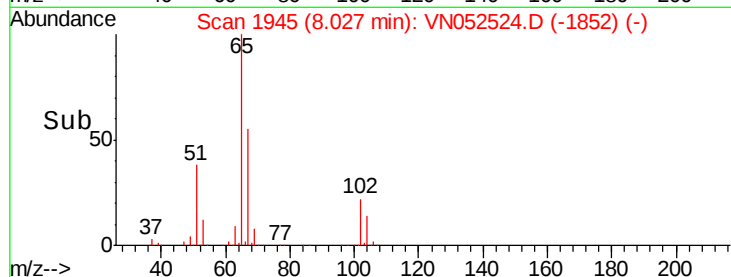
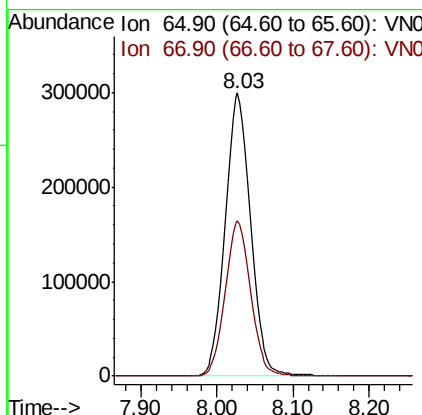
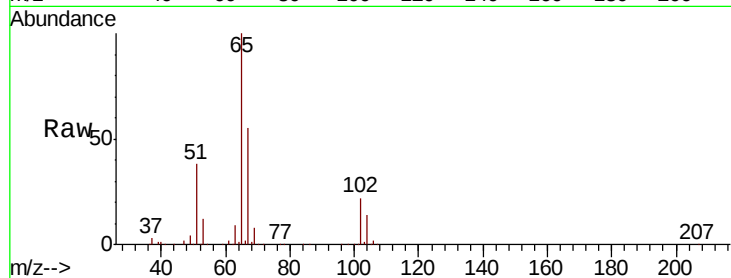




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052524.D
 Acq: 28 Nov 2018 17:15

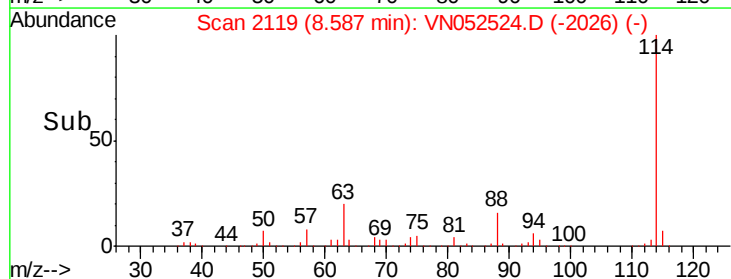
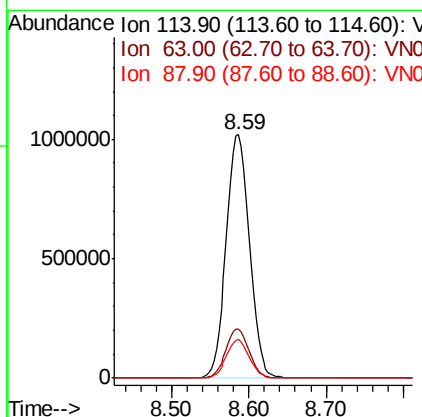
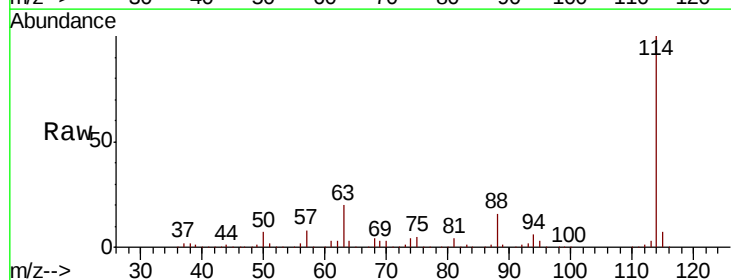
Instrument :
 MSVOA_N
 ClientSampleId :
 USTS-1-2-3DL

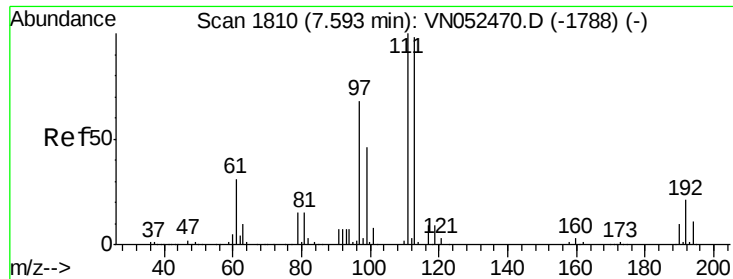
Tot Ion: 65 Resp: 700028
 Ion Ratio Lower Upper
 65 100
 67 54.9 0.0 109.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052524.D
 Acq: 28 Nov 2018 17:15

Tgt Ion: 114 Resp: 2130017
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 41.8
 88 15.7 0.0 31.6

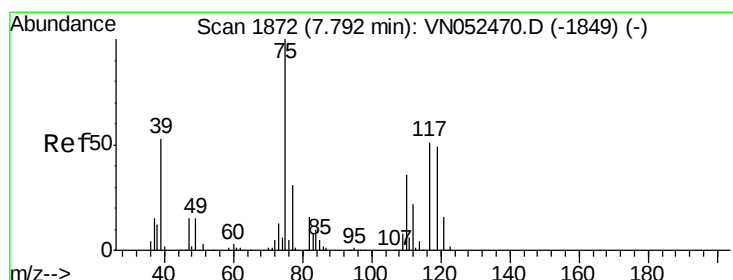
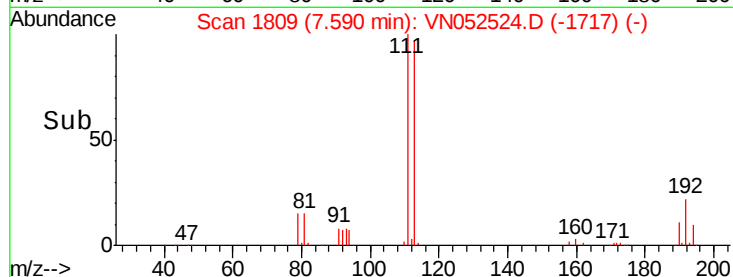
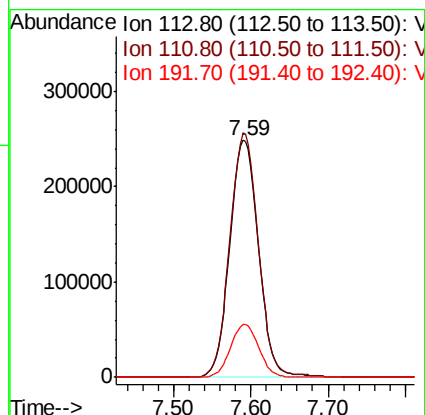
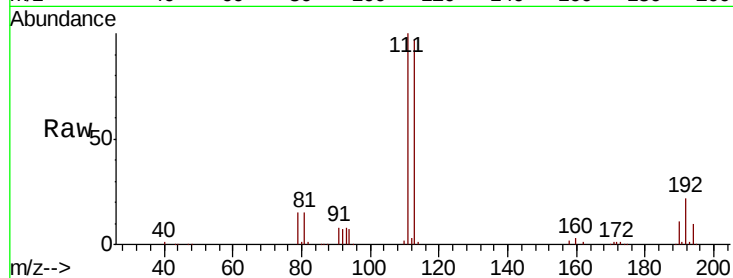




#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052524.D
 Acq: 28 Nov 2018 17:15

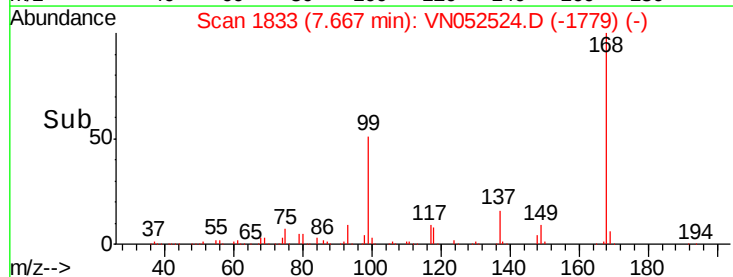
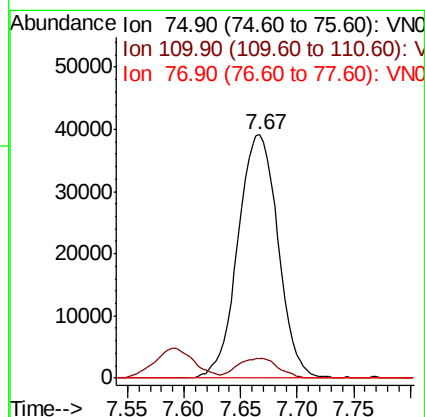
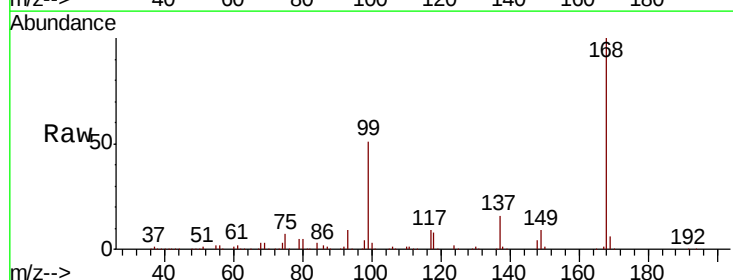
Instrument :
 MSVOA_N
 ClientSampleId :
 USTS-1-2-3DL

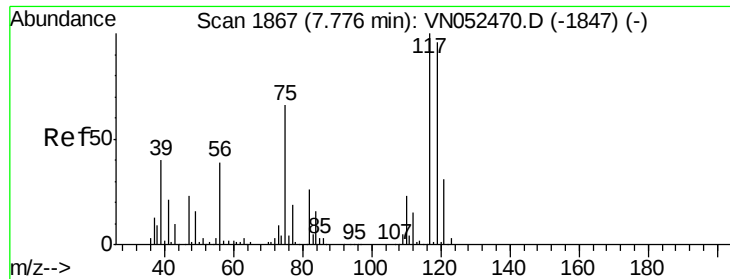
Tot Ion:113 Resp: 641221
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.0 123.0
 192 22.0 17.0 25.6



#36
 1,1-Dichloropropene
 Concen: 4.797 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052524.D
 Acq: 28 Nov 2018 17:15

Tgt Ion: 75 Resp: 96490
 Ion Ratio Lower Upper
 75 100
 110 8.3 17.5 52.6#
 77 0.0 24.5 36.7#





#38

Carbon Tetrachloride

Concen: 6.862 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

USTS-1-2-3DL

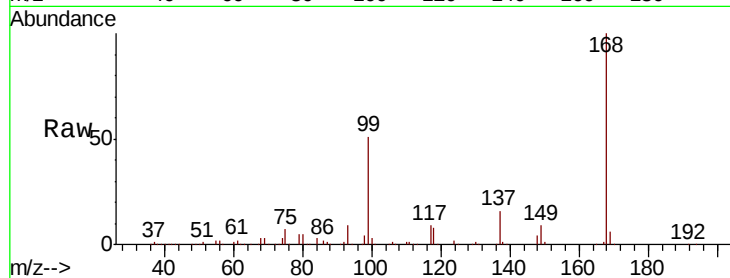
Tot Ion:117 Resp: 124953

Ion Ratio Lower Upper

117 100

119 4.8 76.8 115.2#

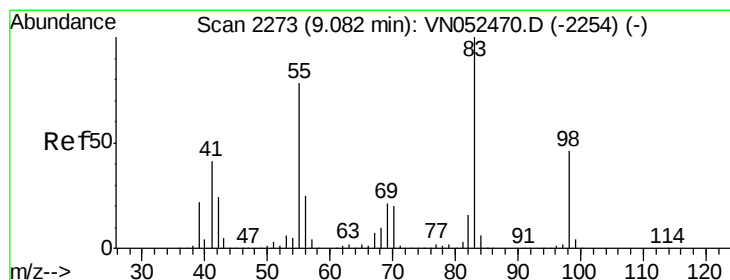
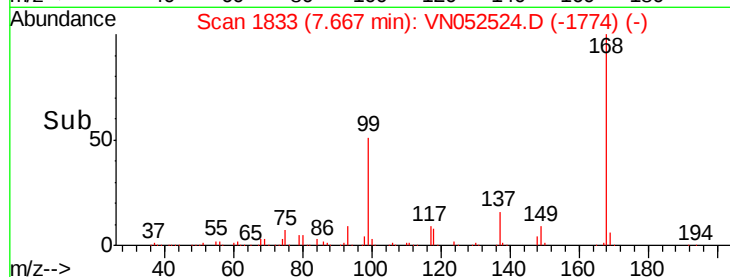
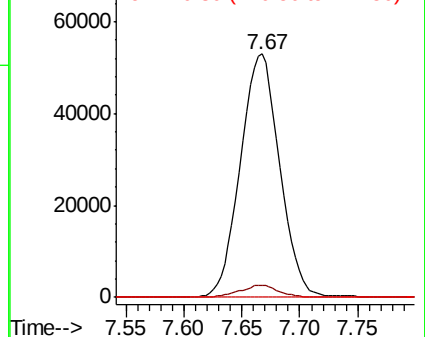
121 0.0 24.9 37.3#



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



#39

Methylcyclohexane

Concen: 0.295 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. -0.00 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

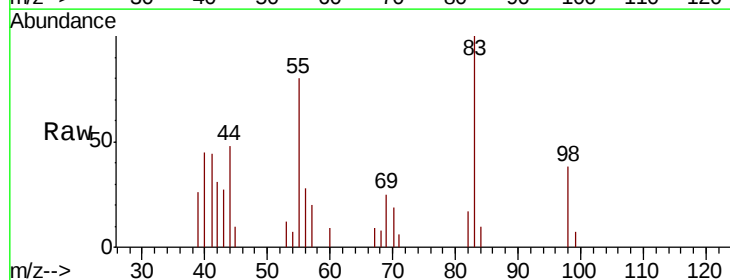
Tgt Ion: 83 Resp: 7223

Ion Ratio Lower Upper

83 100

55 79.8 62.2 93.2

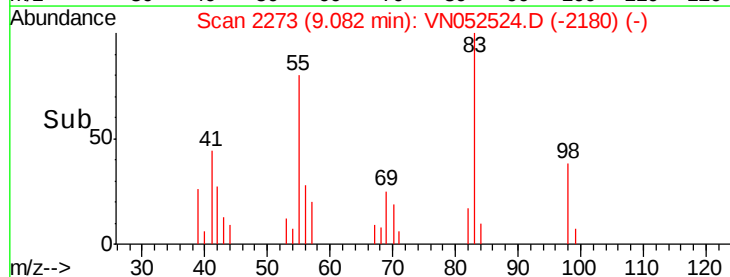
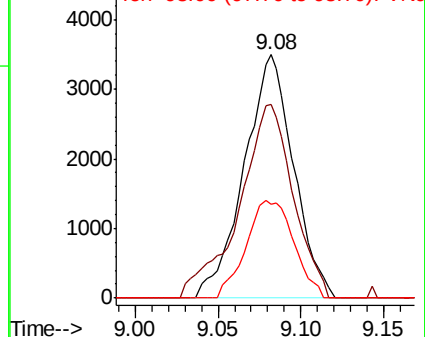
98 38.4 36.4 54.6

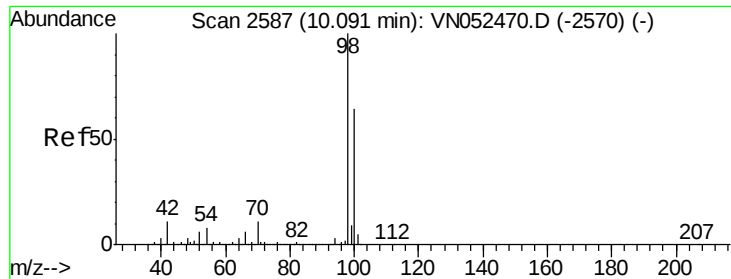


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V

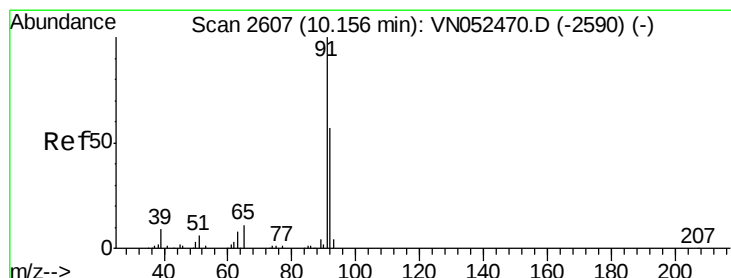
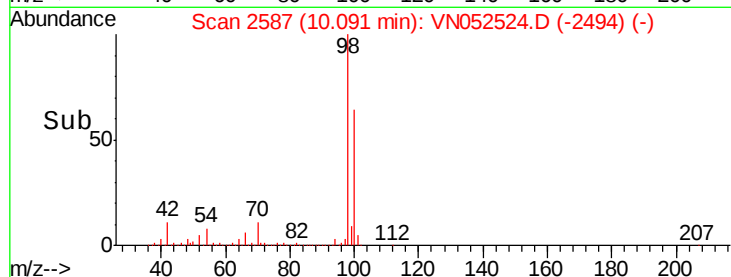
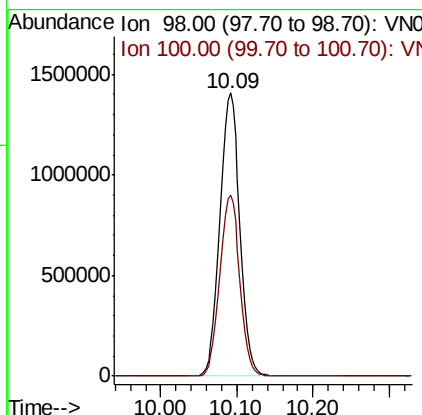
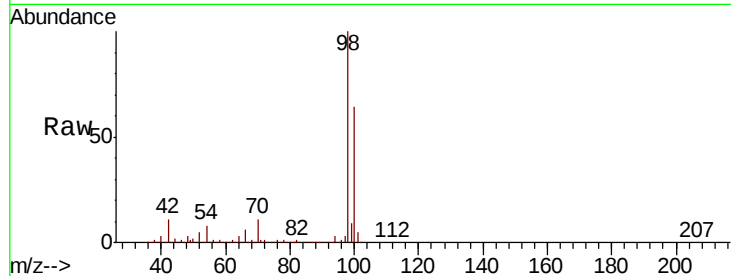




#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052524.D
Acq: 28 Nov 2018 17:15

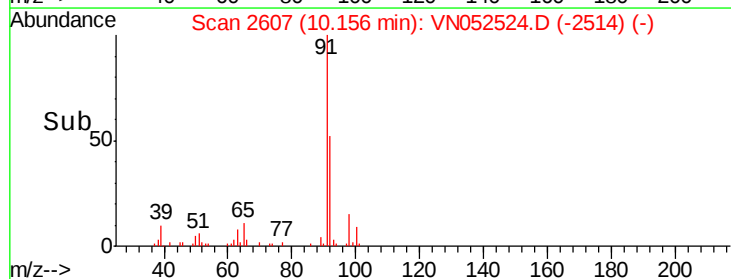
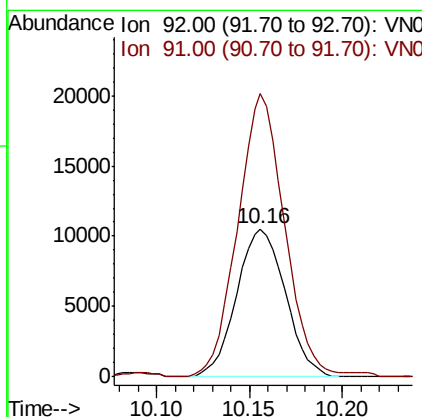
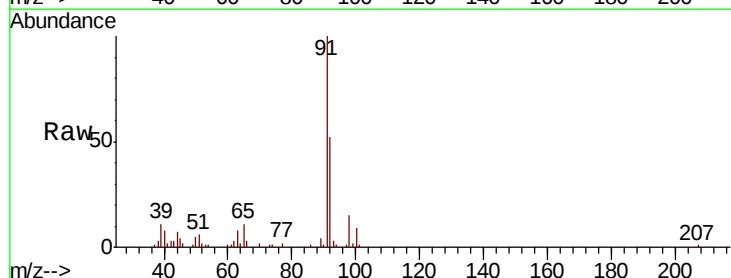
Instrument :
MSVOA_N
ClientSampleId :
USTS-1-2-3DL

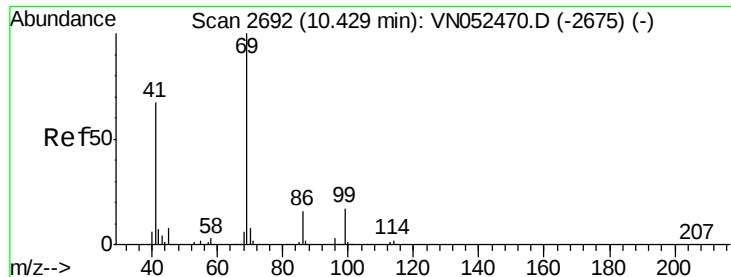
Tot Ion: 98 Resp: 2561200
Ion Ratio Lower Upper
98 100
100 64.4 51.3 76.9



#52
Toluene
Concen: 0.538 ug/l
RT: 10.16 min Scan# 2607
Delta R.T. -0.00 min
Lab File: VN052524.D
Acq: 28 Nov 2018 17:15

Tgt Ion: 92 Resp: 19147
Ion Ratio Lower Upper
92 100
91 185.2 141.0 211.4





#56

Ethyl methacrylate

Concen: 2.700 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.01 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

USTS-1-2-3DL

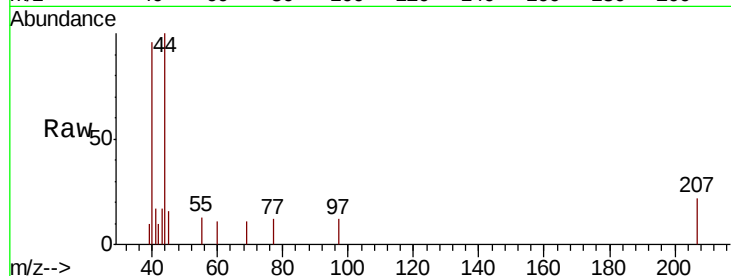
Tot Ion: 69 Resp: 128

Ion Ratio Lower Upper

69 100

41 0.0 52.6 79.0#

39 155.5 25.9 38.9#

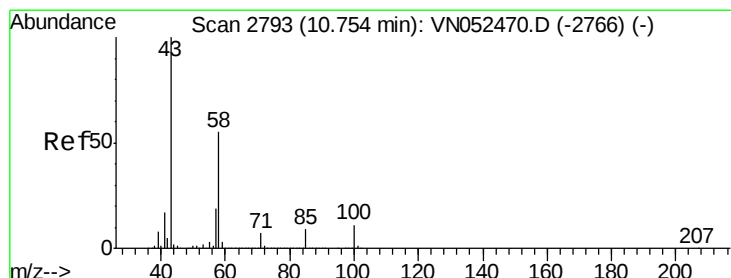
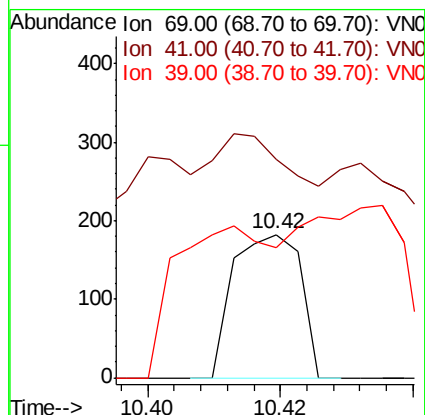
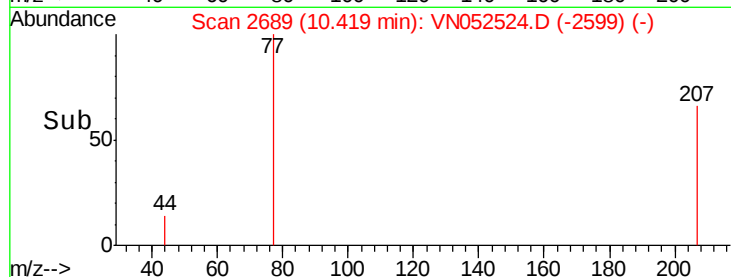


Abundance Ion 69.00 (68.70 to 69.70): VN052470.D (-2675) (-)

Ion 41.00 (40.70 to 41.70): VN052470.D (-2675) (-)

Ion 39.00 (38.70 to 39.70): VN052470.D (-2675) (-)

Time-->



#59

2-Hexanone

Concen: 0.698 ug/l

RT: 10.77 min Scan# 2797

Delta R.T. 0.01 min

Lab File: VN052524.D

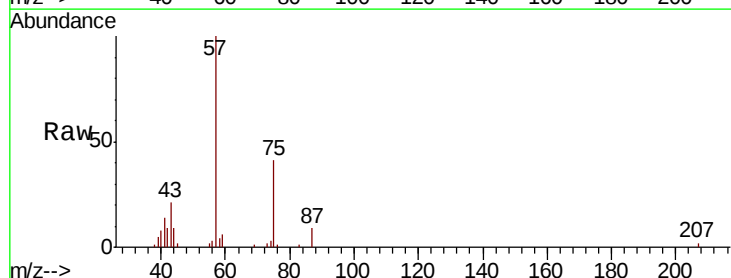
Acq: 28 Nov 2018 17:15

Tgt Ion: 43 Resp: 5458

Ion Ratio Lower Upper

43 100

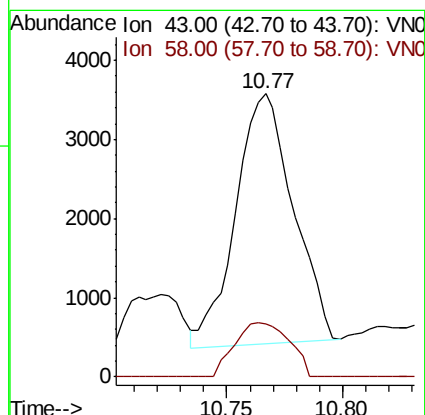
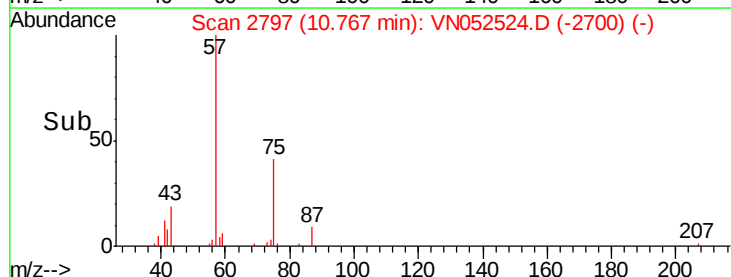
58 20.7 27.4 82.0#

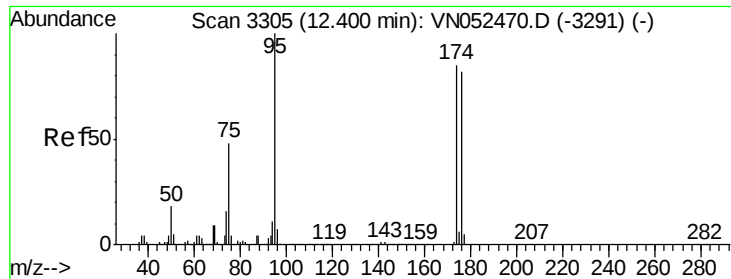


Abundance Ion 43.00 (42.70 to 43.70): VN052470.D (-2766) (-)

Ion 58.00 (57.70 to 58.70): VN052470.D (-2766) (-)

Time-->

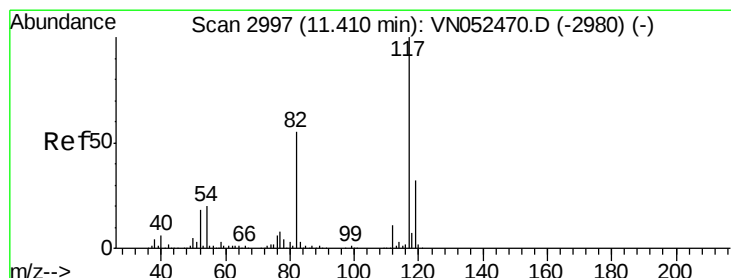
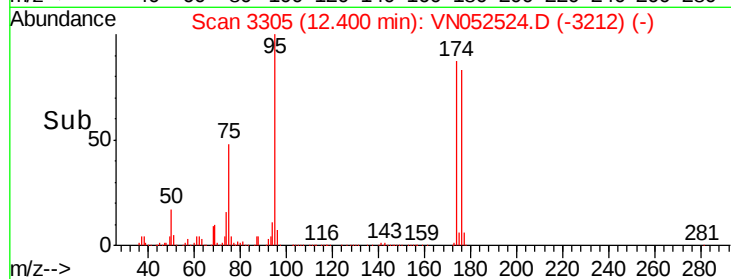
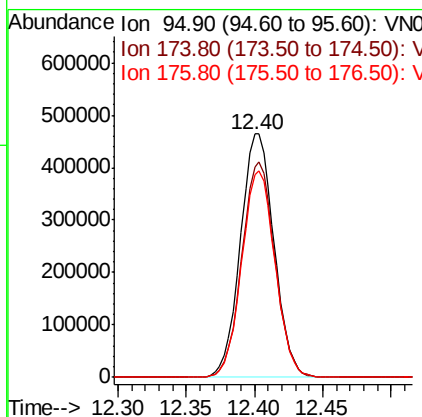
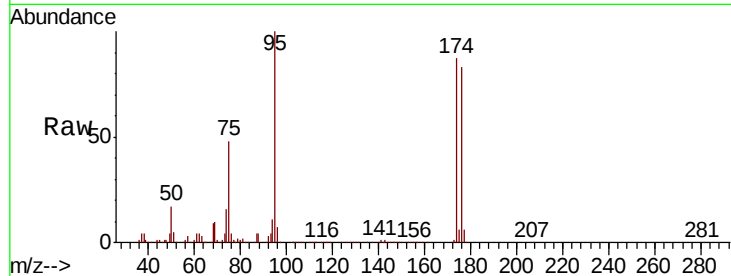




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052524.D
Acq: 28 Nov 2018 17:15

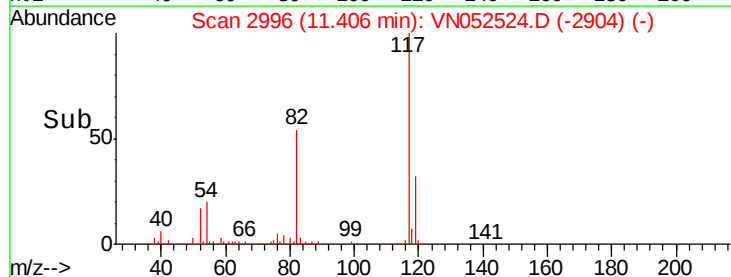
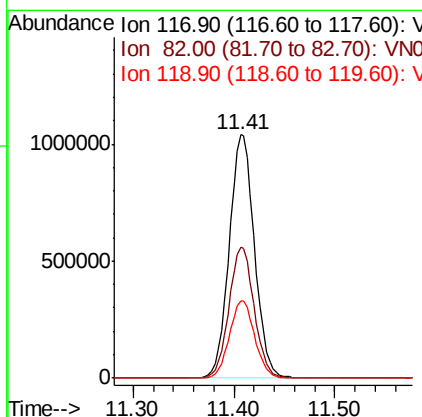
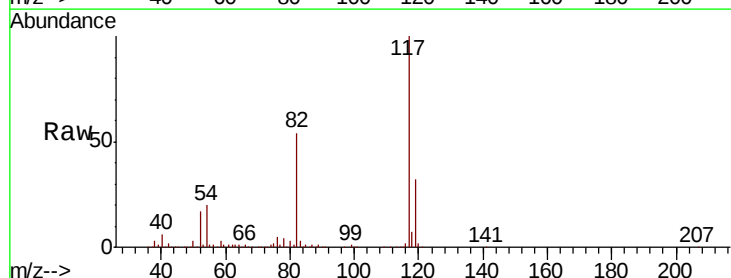
Instrument :
MSVOA_N
ClientSampleId :
USTS-1-2-3DL

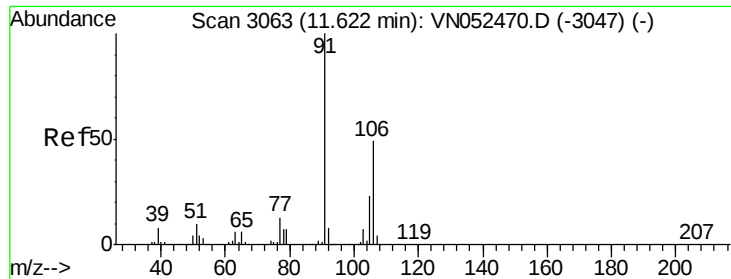
Tot Ion: 95 Resp: 793673
Ion Ratio Lower Upper
95 100
174 87.1 0.0 173.0
176 84.3 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052524.D
Acq: 28 Nov 2018 17:15

Tgt Ion: 117 Resp: 1806347
Ion Ratio Lower Upper
117 100
82 54.1 43.6 65.4
119 32.0 25.4 38.2

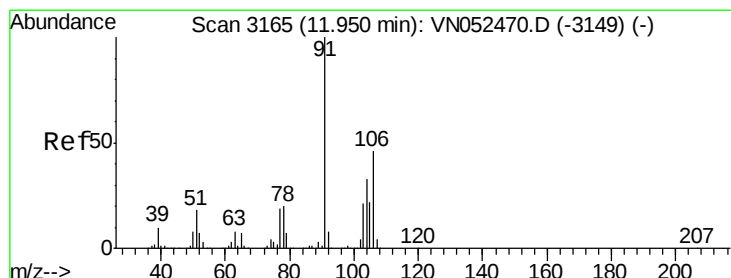
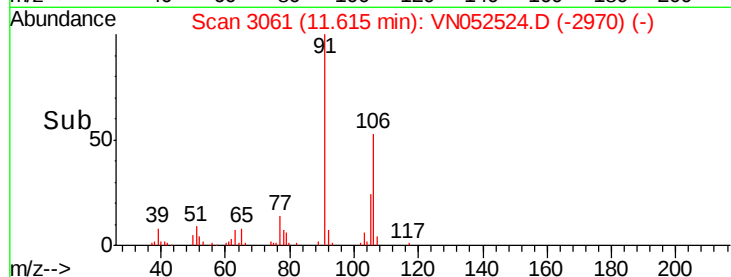
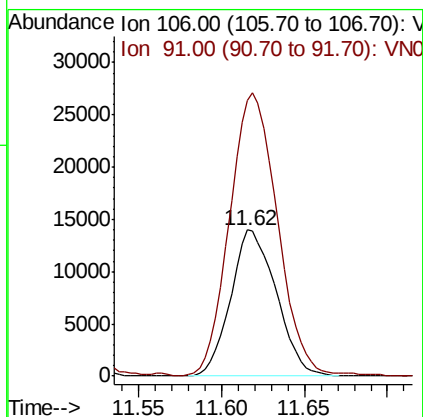
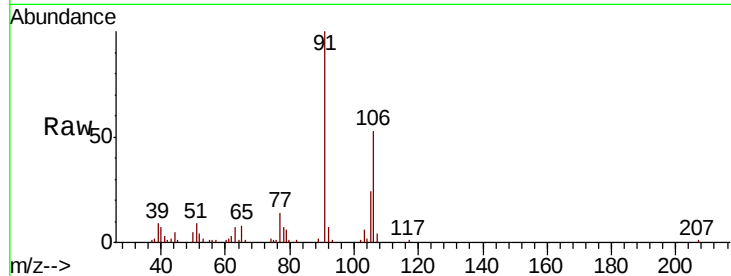




#68
m/p-Xylenes
Concen: 1.102 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.01 min
Lab File: VN052524.D
Acq: 28 Nov 2018 17:15

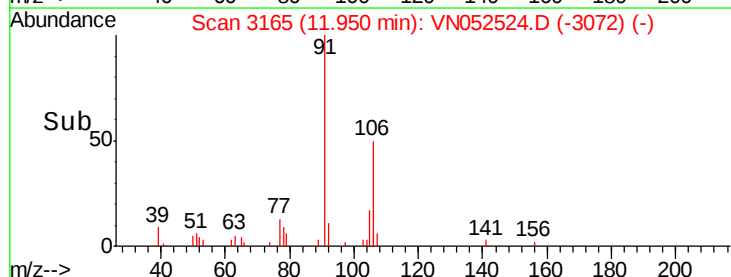
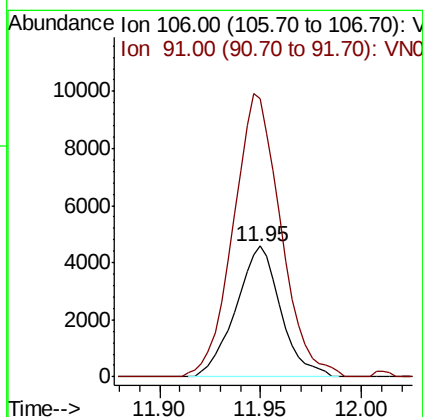
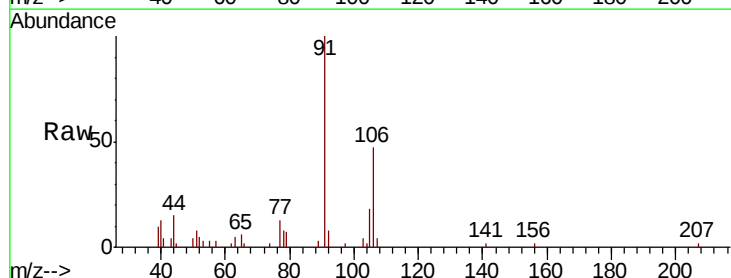
Instrument :
MSVOA_N
ClientSampleId :
USTS-1-2-3DL

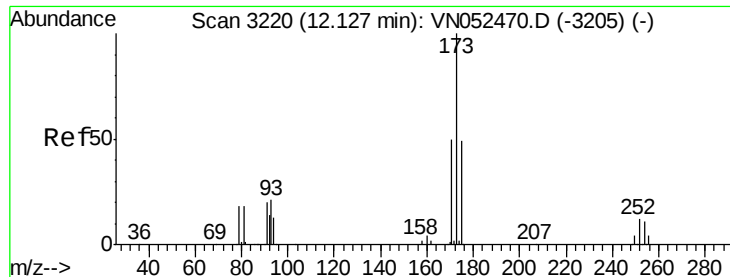
Tot Ion:106 Resp: 26750
Ion Ratio Lower Upper
106 100
91 202.8 163.2 244.8



#69
o-Xylene
Concen: 0.303 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN052524.D
Acq: 28 Nov 2018 17:15

Tgt Ion:106 Resp: 7151
Ion Ratio Lower Upper
106 100
91 228.3 107.7 323.1





#71

Bromoform

Concen: 0.537 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

USTS-1-2-3DL

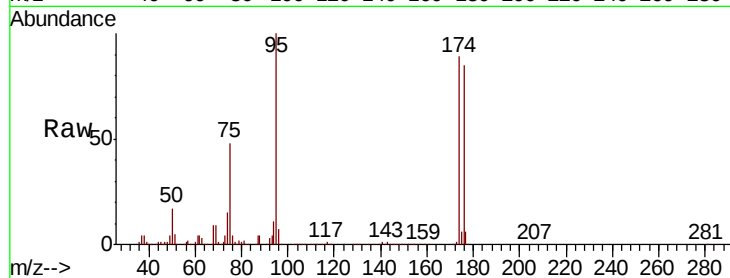
Tot Ion:173 Resp: 4601

Ion Ratio Lower Upper

173 100

175 919.4 24.4 73.2#

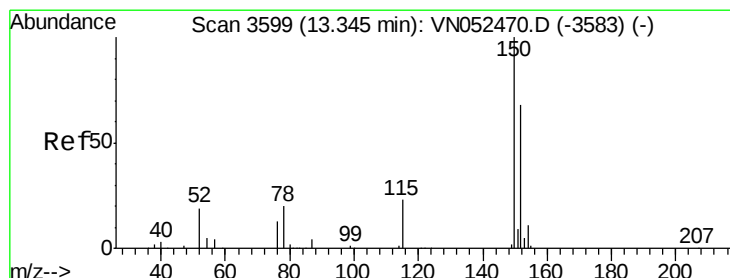
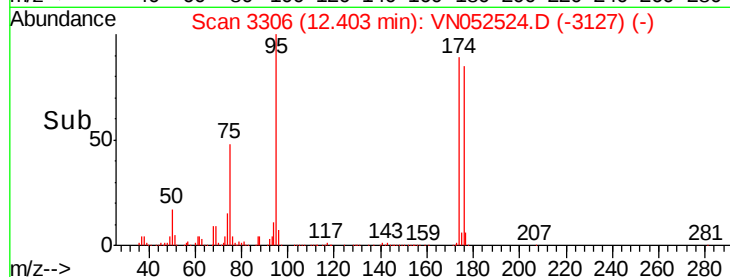
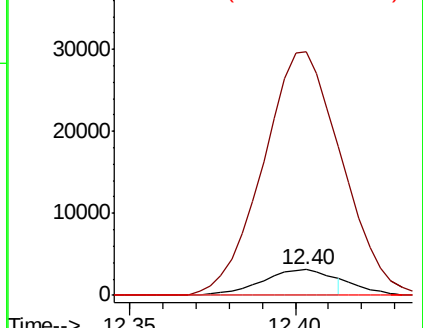
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

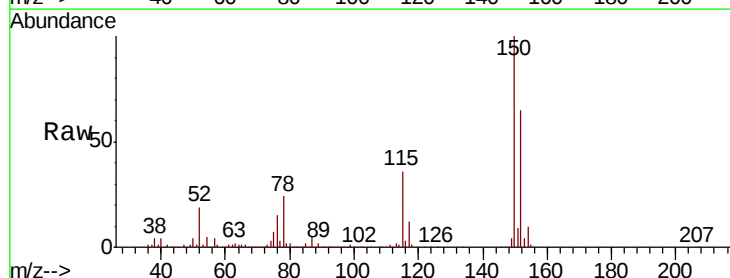
Tgt Ion:152 Resp: 683144

Ion Ratio Lower Upper

152 100

115 55.8 28.4 85.2

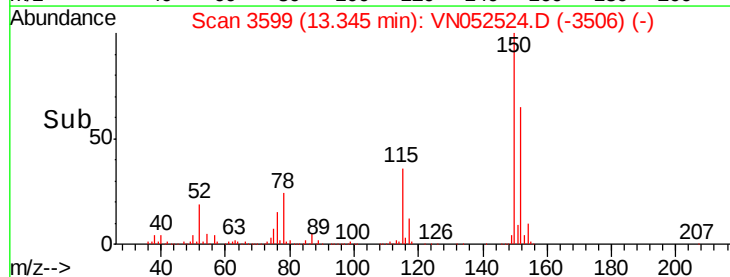
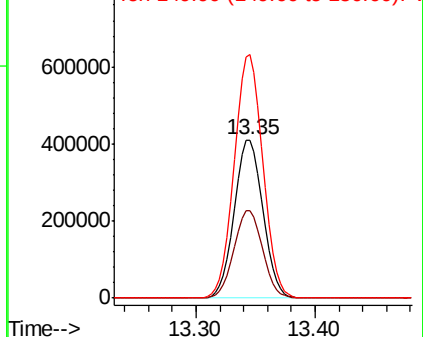
150 154.3 0.0 346.0

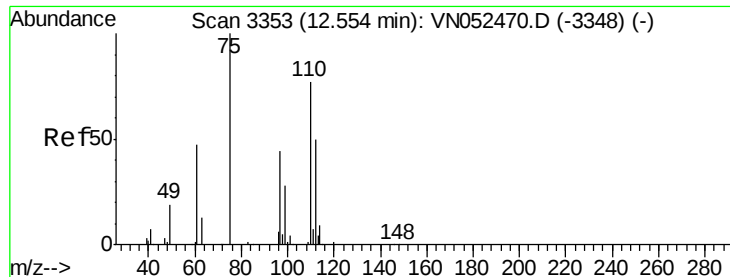


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 35.665 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

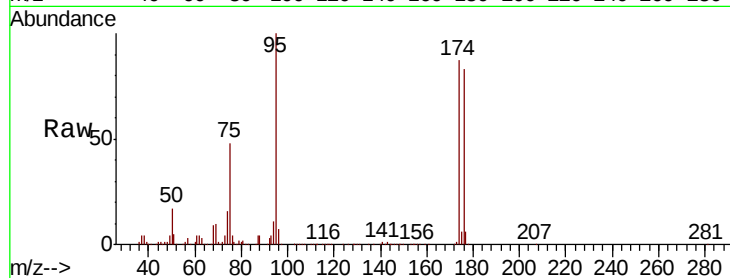
USTS-1-2-3DL

Tot Ion: 75 Resp: 375715

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN052470.D (-3348) (-)

12.40

250000

200000

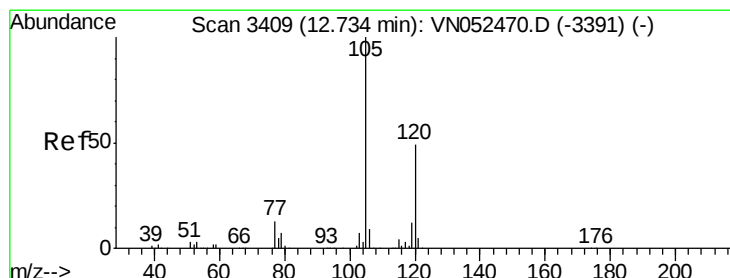
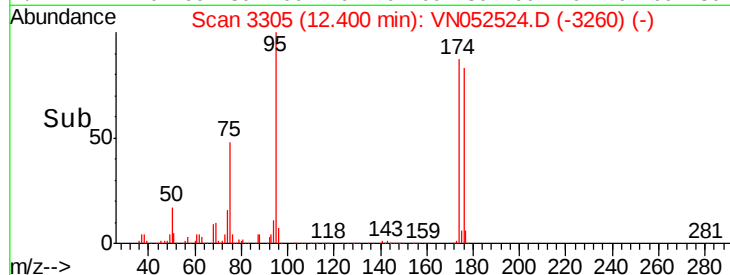
150000

100000

50000

0

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.237 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN052524.D

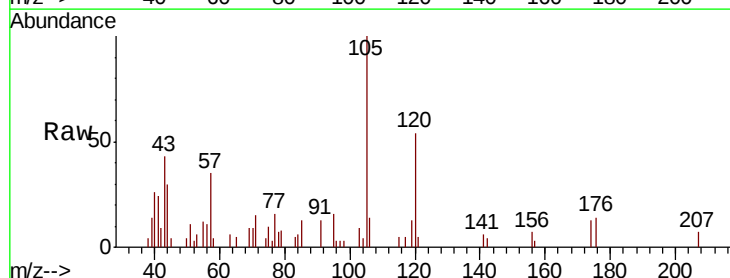
Acq: 28 Nov 2018 17:15

Tgt Ion: 105 Resp: 10142

Ion Ratio Lower Upper

105 100

120 53.4 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3391) (-)

12.73

8000

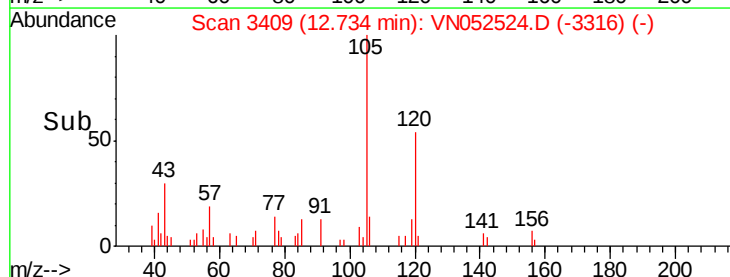
6000

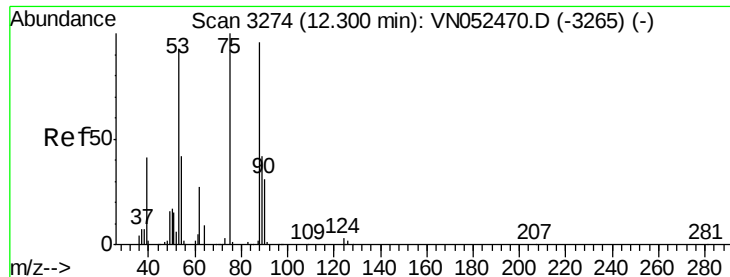
4000

2000

0

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 119.105 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

USTS-1-2-3DL

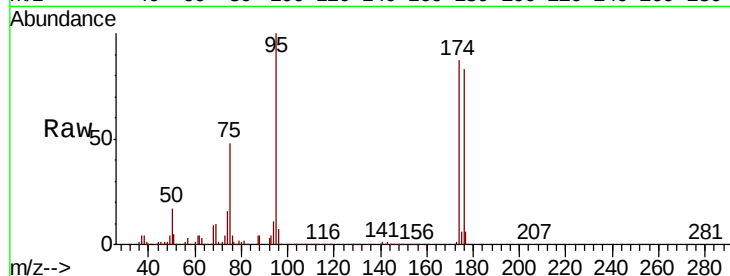
Tot Ion: 75 Resp: 375715

Ion Ratio Lower Upper

75 100

53 0.0 77.4 116.0#

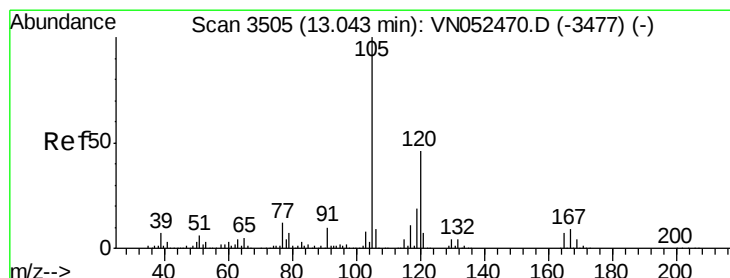
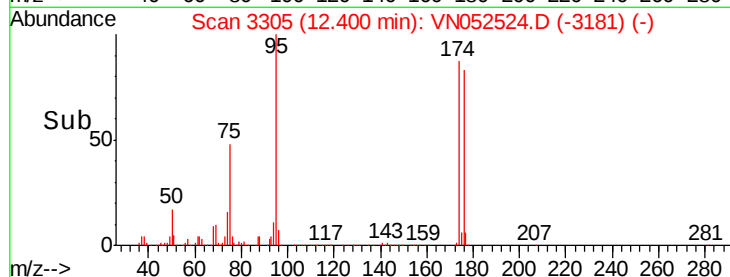
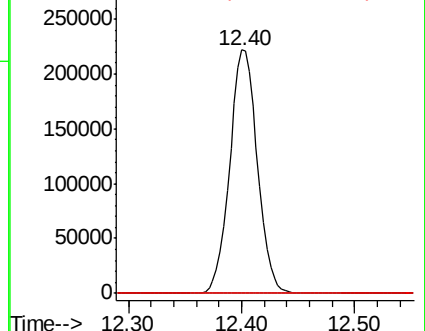
89 0.0 35.4 53.2#



Abundance Ion 74.90 (74.60 to 75.60): VN052470.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN052470.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN052470.D (-3265) (-)



#84

1,2,4-Trimethylbenzene

Concen: 0.878 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. -0.00 min

Lab File: VN052524.D

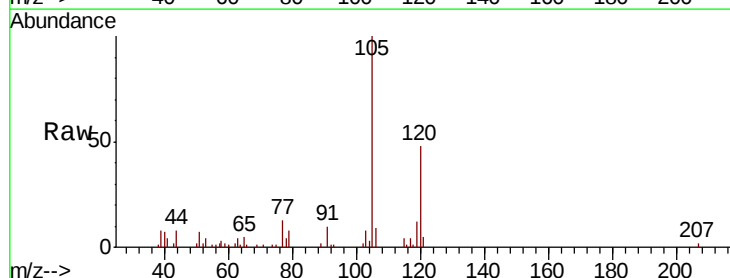
Acq: 28 Nov 2018 17:15

Tgt Ion: 105 Resp: 37612

Ion Ratio Lower Upper

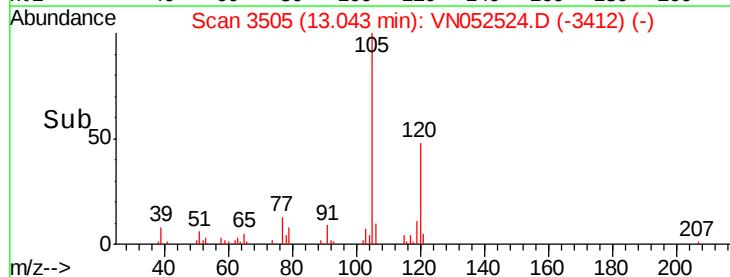
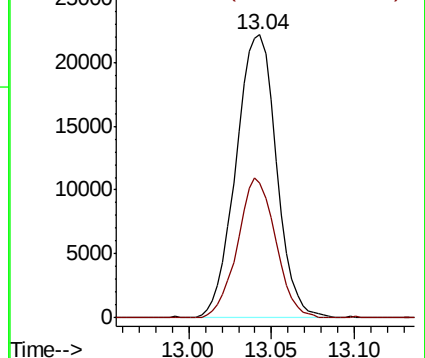
105 100

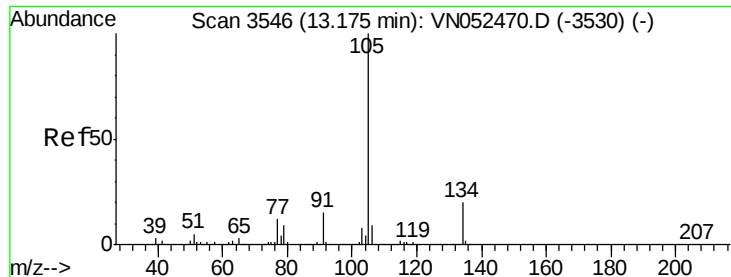
120 46.5 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): VN052470.D (-3477) (-)

Ion 120.00 (119.70 to 120.70): VN052470.D (-3477) (-)

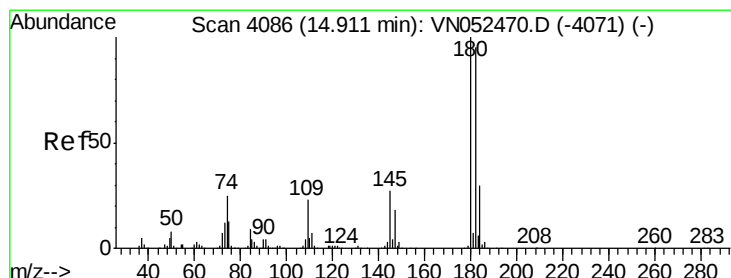
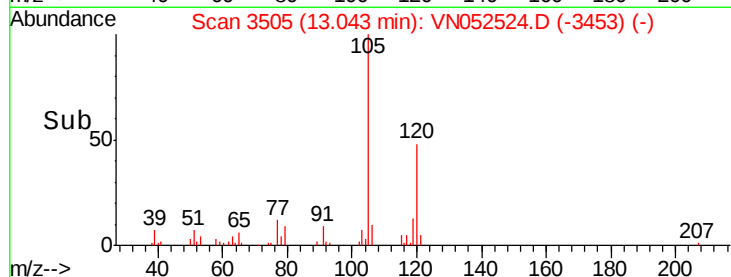
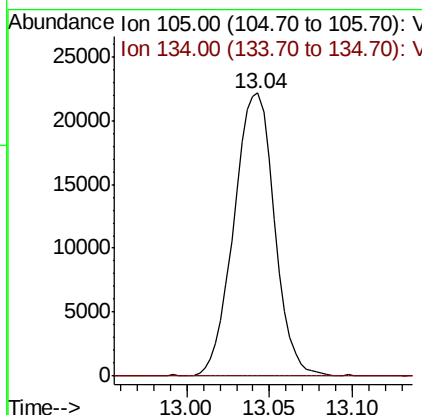
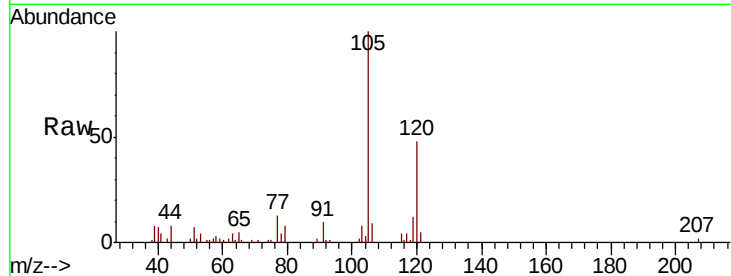




#85
 sec-Butylbenzene
 Concen: 0.725 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. -0.13 min
 Lab File: VN052524.D
 Acq: 28 Nov 2018 17:15

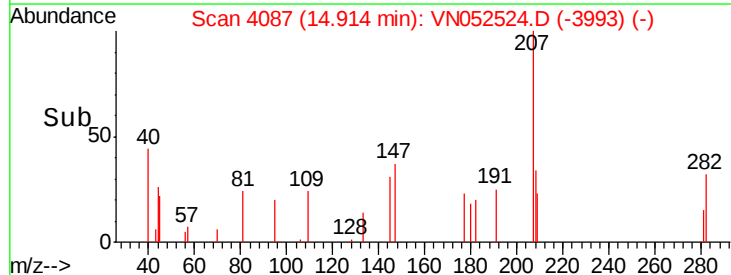
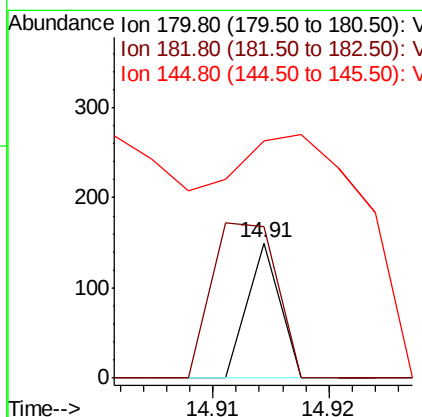
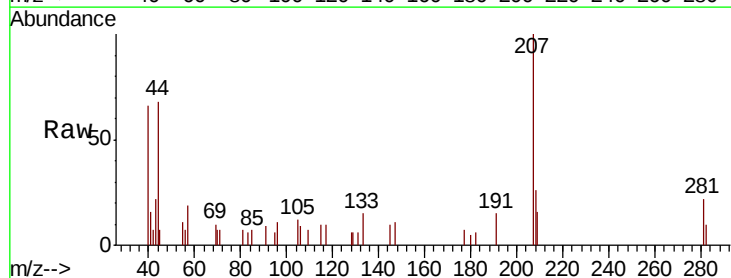
Instrument :
 MSVOA_N
 ClientSampleId :
 USTS-1-2-3DL

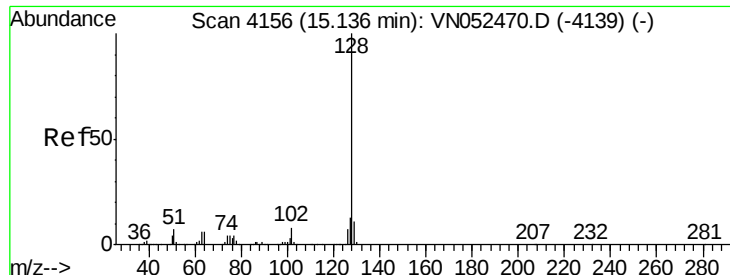
Tot Ion:105 Resp: 37612
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.9 29.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.832 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN052524.D
 Acq: 28 Nov 2018 17:15

Tgt Ion:180 Resp: 29
 Ion Ratio Lower Upper
 180 100
 182 227.6 47.8 143.4#
 145 269.0 14.1 42.3#





#95

Naphthalene

Concen: 4.106 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052524.D

Acq: 28 Nov 2018 17:15

Instrument :

MSVOA_N

ClientSampleId :

USTS-1-2-3DL

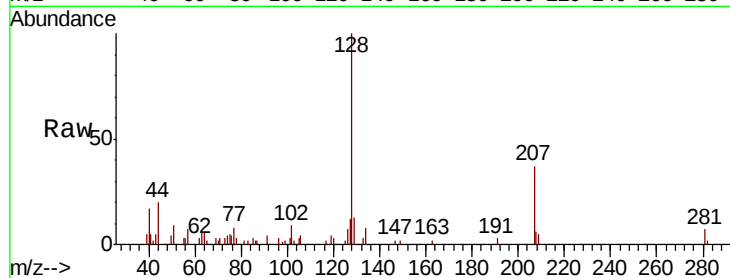
Tot Ion:128 Resp: 18713

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

129 13.3 8.7 13.1#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

