

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058413.D
 Acq On : 27 Sep 2019 17:13
 Operator : JC/SP
 Sample : K5037-03DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30428DL

Quant Time: Sep 28 00:05:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	471706	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	757414	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	660378	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	317683	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	328101	49.43	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.86%		
35) Dibromofluoromethane	7.57	113	229061	49.70	ug/l	0.00
Spiked Amount 50.000			Recovery =	99.40%		
50) Toluene-d8	10.09	98	951255	53.11	ug/l	0.00
Spiked Amount 50.000			Recovery =	106.22%		
62) 4-Bromofluorobenzene	12.40	95	349664	52.71	ug/l	0.00
Spiked Amount 50.000			Recovery =	105.42%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.55	94	947	0.448	ug/l	83
11) Tert butyl alcohol	4.74	59	954	1.223	ug/l #	71
13) Acrolein	3.59	56	72	0.526	ug/l #	13
16) Acetone	3.80	43	7588	3.320	ug/l #	85
17) Carbon Disulfide	4.04	76	2558	0.403	ug/l #	74
19) Methyl tert-butyl Ether	5.02	73	30141	2.046	ug/l #	90
20) Methylene Chloride	4.53	84	992	0.217	ug/l #	83
22) Diisopropyl ether	5.92	45	6804	0.420	ug/l #	78
25) 2-Butanone	6.83	43	817	0.265	ug/l #	50
31) Cyclohexane	7.64	56	45679	6.475	ug/l #	76
36) 1,1-Dichloropropene	7.65	75	39411	6.734	ug/l #	51
37) Ethyl Acetate	6.91	43	2082	0.359	ug/l #	88
38) Carbon Tetrachloride	7.65	117	49229	8.564	ug/l #	16
39) Methylcyclohexane	9.07	83	81552	12.898	ug/l	95
40) Benzene	8.03	78	923618	52.612	ug/l	99
41) Methacrylonitrile	7.18	41	679	0.248	ug/l #	22
42) 1,2-Dichloroethane	8.03	62	9170	1.268	ug/l	81
43) Isopropyl Acetate	8.14	43	2648	0.246	ug/l #	63
48) Methyl methacrylate	9.21	41	1971	0.403	ug/l #	45
49) 1,4-Dioxane	9.21	88	30	0.387	ug/l #	1
51) 4-Methyl-2-Pentanone	10.08	43	7425	1.311	ug/l #	1
52) Toluene	10.15	92	6209660	568.435	ug/l #	59
53) t-1,3-Dichloropropene	10.15	75	145326	21.701	ug/l #	1
55) 1,1,2-Trichloroethane	10.53	97	10350	2.209	ug/l #	19
56) Ethyl methacrylate	10.43	69	3522	0.517	ug/l #	21
59) 2-Hexanone	10.76	43	1952	0.465	ug/l #	58
67) Ethyl Benzene	11.51	91	3223144	155.874	ug/l	89
68) m/p-Xylenes	11.62	106	4120438	528.392	ug/l #	58
69) o-Xylene	11.95	106	2276249	298.408	ug/l	75
70) Styrene	11.95	104	123934	9.533	ug/l #	1
73) Isopropylbenzene	12.25	105	174532	8.490	ug/l	99
74) N-amyl acetate	11.81	43	121407	14.284	ug/l #	23
76) 1,2,3-Trichloropropane	12.66	75	17174	2.978	ug/l #	100
78) n-propylbenzene	12.60	91	515158	22.036	ug/l	100

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058413.D
 Acq On : 27 Sep 2019 17:13
 Operator : JC/SP
 Sample : K5037-03DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30428DL

Quant Time: Sep 28 00:05:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

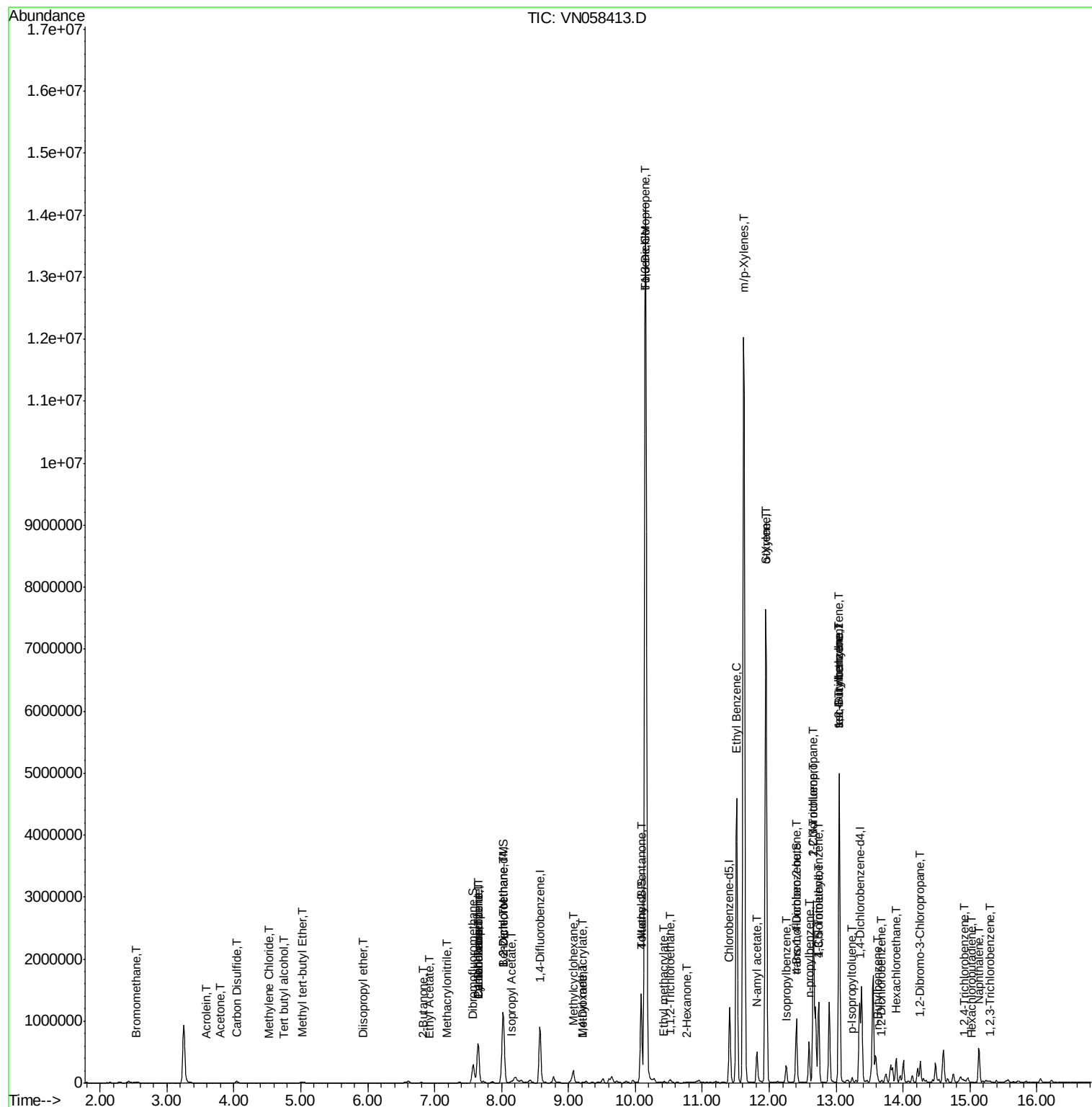
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.66	91	235456	16.205	ug/l #	43
80) 1,3,5-Trimethylbenzene	12.74	105	704418	40.652	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.41	75	188798	106.436	ug/l #	8
82) 4-Chlorotoluene	12.74	91	78876	5.191	ug/l #	43
83) tert-Butylbenzene	13.05	119	350008	22.870	ug/l #	66
84) 1,2,4-Trimethylbenzene	13.05	105	2781567	161.215	ug/l	94
85) sec-Butylbenzene	13.05	105	2781567	138.992	ug/l #	58
86) p-Isopropyltoluene	13.24	119	40506	2.282	ug/l	98
89) n-Butylbenzene	13.62	91	38027	2.291	ug/l #	70
90) Hexachloroethane	13.90	117	19496	7.094	ug/l #	11
91) 1,2-Dichlorobenzene	13.66	146	2186	0.236	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	1693	1.405	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.92	180	5592	0.961	ug/l #	84
94) Hexachlorobutadiene	15.02	225	964	0.342	ug/l #	75
95) Naphthalene	15.13	128	442817	29.443	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	6599	1.208	ug/l #	73

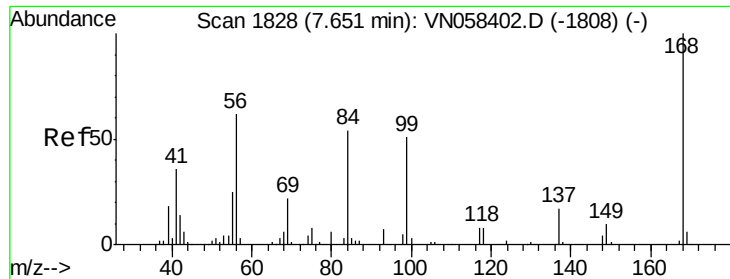
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
Data File : VN058413.D
Acq On : 27 Sep 2019 17:13
Operator : JC/SP
Sample : K5037-03DL 20X
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
30428DL

Quant Time: Sep 28 00:05:18 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
Quant Title : SW846 8260
QLast Update : Fri Sep 27 23:01:20 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

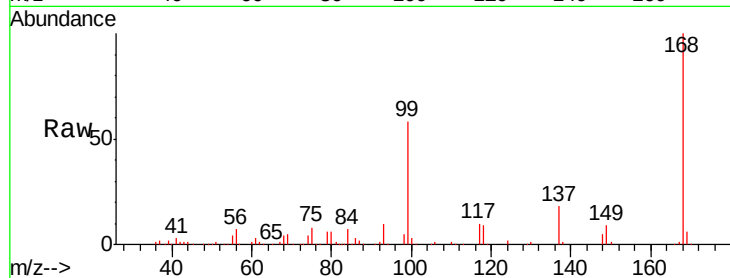
30428DL

Tgt Ion: 168 Resp: 471706

Ion Ratio Lower Upper

168 100

99 58.4 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): VN058413.D (-1735) (-)

Ion 98.90 (98.60 to 99.60): VN058413.D (-1735) (-)

7.65

200000

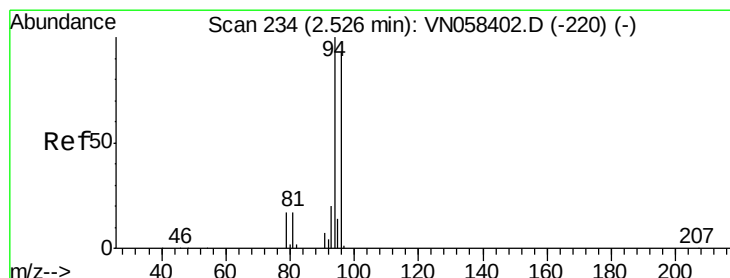
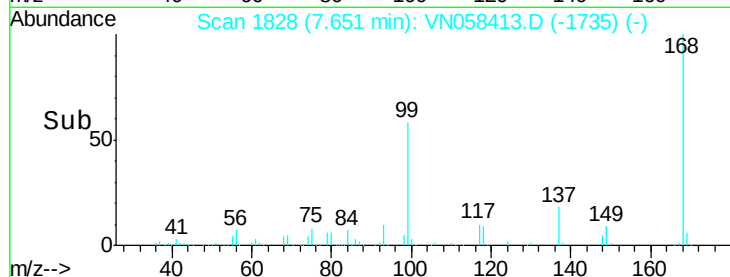
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.448 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.03 min

Lab File: VN058413.D

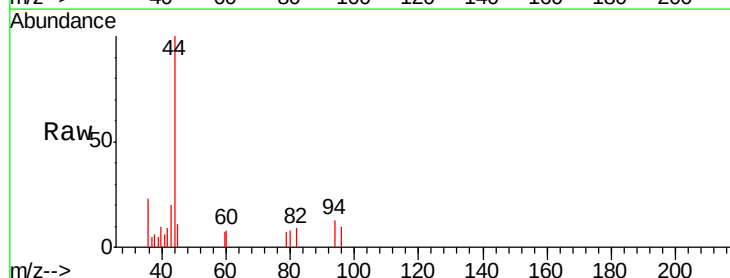
Acq: 27 Sep 2019 17:13

Tgt Ion: 94 Resp: 947

Ion Ratio Lower Upper

94 100

96 77.0 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN058413.D (-141) (-)

Ion 95.90 (95.60 to 96.60): VN058413.D (-141) (-)

2.55

500

400

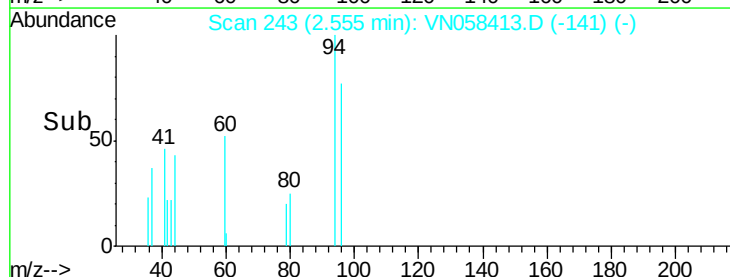
300

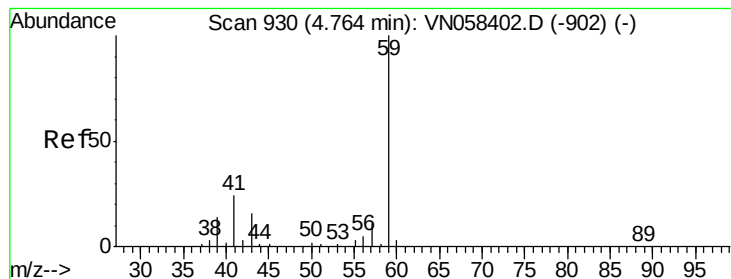
200

100

0

Time-->





#11

Tert butyl alcohol

Concen: 1.223 ug/l

RT: 4.74 min Scan# 923

Delta R.T. -0.02 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

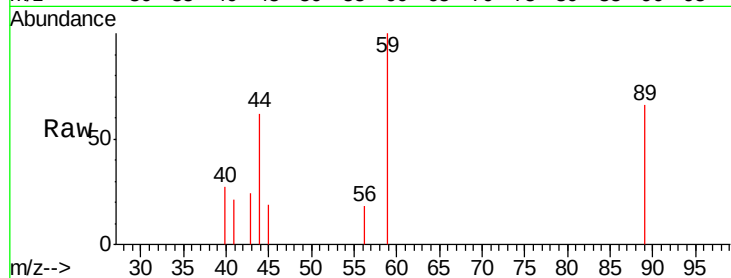
30428DL

Tgt Ion: 59 Resp: 954

Ion Ratio Lower Upper

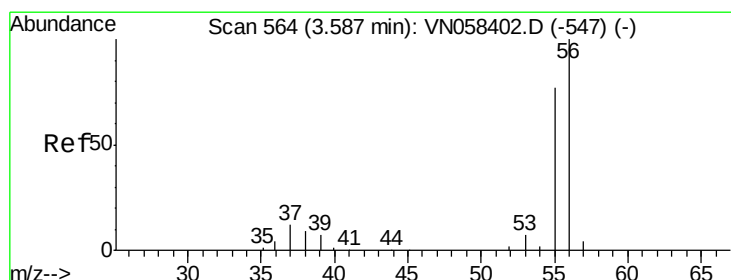
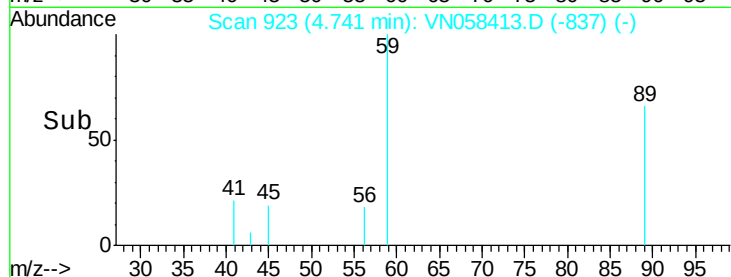
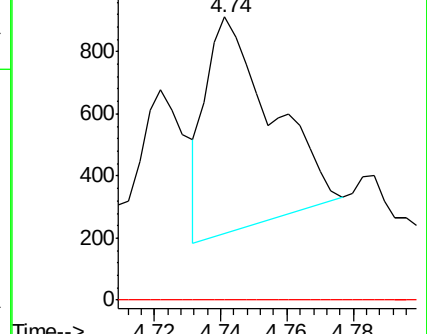
59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#13

Acrolein

Concen: 0.526 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058413.D

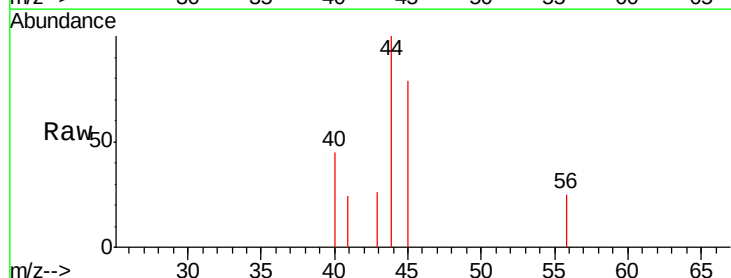
Acq: 27 Sep 2019 17:13

Tgt Ion: 56 Resp: 72

Ion Ratio Lower Upper

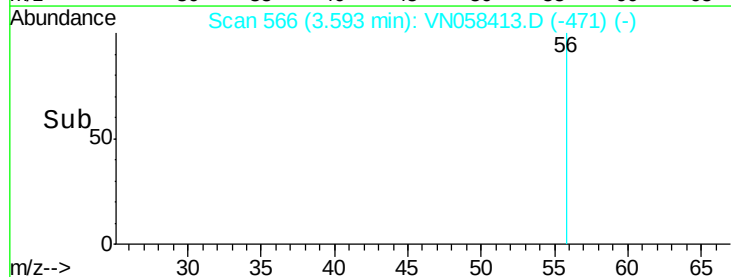
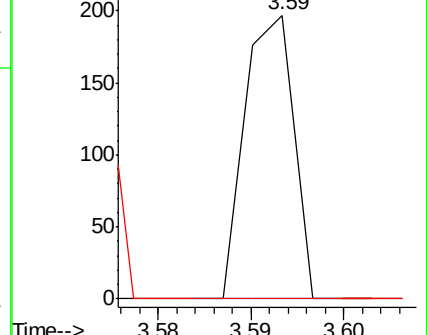
56 100

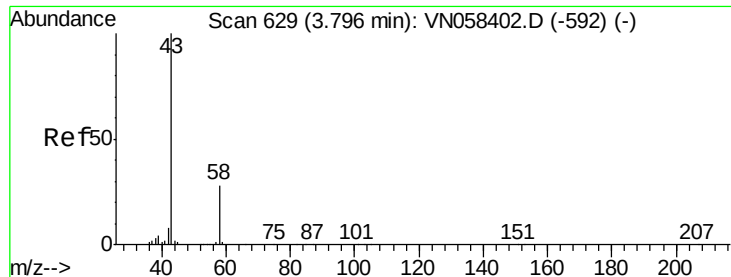
55 0.0 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 3.320 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

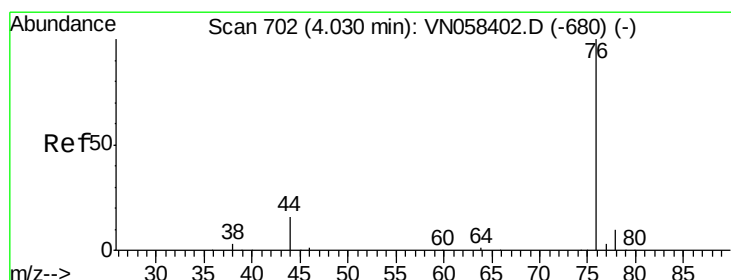
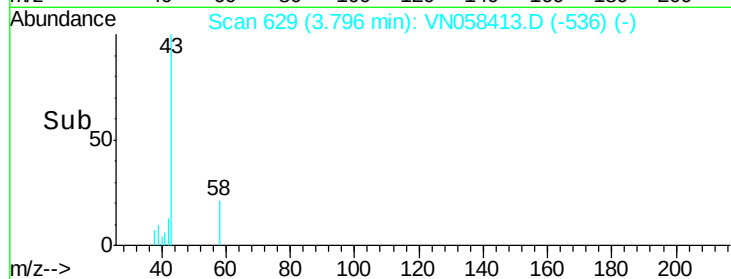
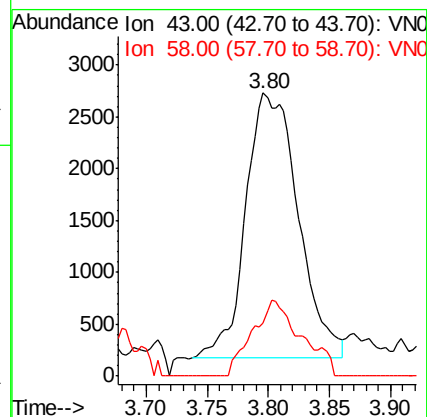
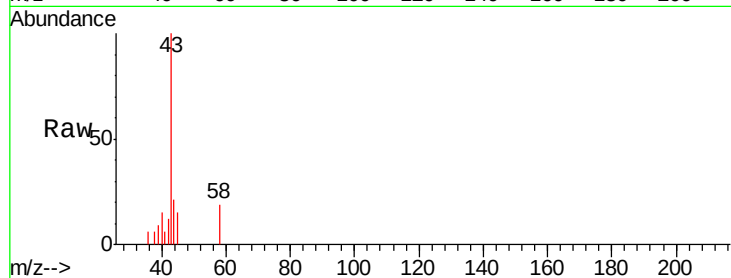
30428DL

Tgt Ion: 43 Resp: 7588

Ion Ratio Lower Upper

43 100

58 20.2 22.4 33.6#



#17

Carbon Disulfide

Concen: 0.403 ug/l

RT: 4.04 min Scan# 704

Delta R.T. 0.01 min

Lab File: VN058413.D

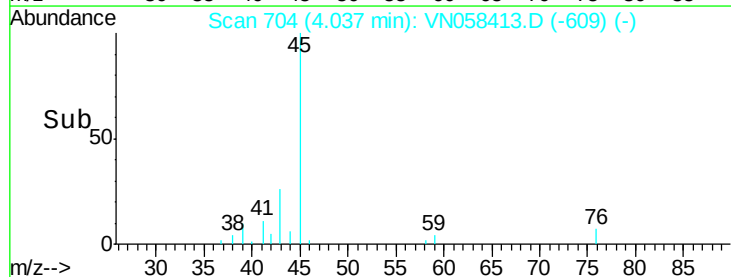
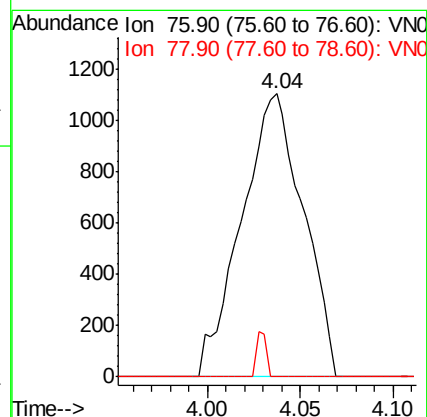
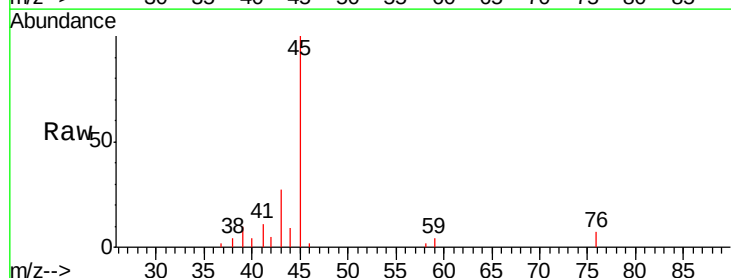
Acq: 27 Sep 2019 17:13

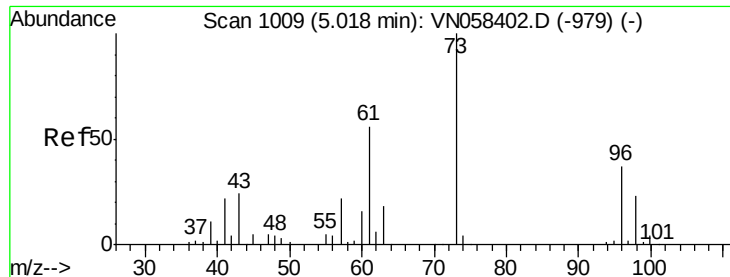
Tgt Ion: 76 Resp: 2558

Ion Ratio Lower Upper

76 100

78 0.0 7.7 11.5#

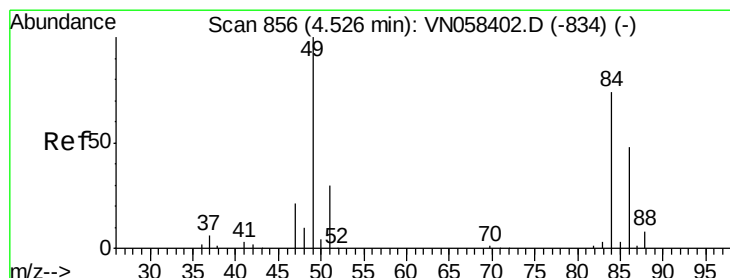
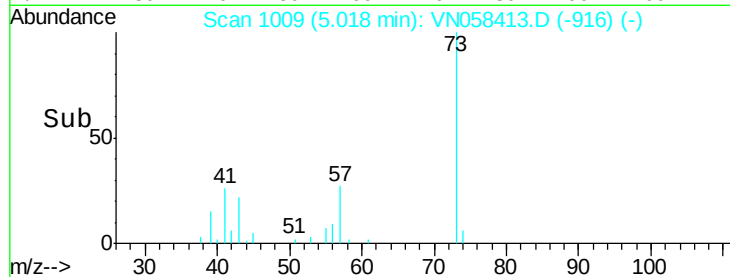
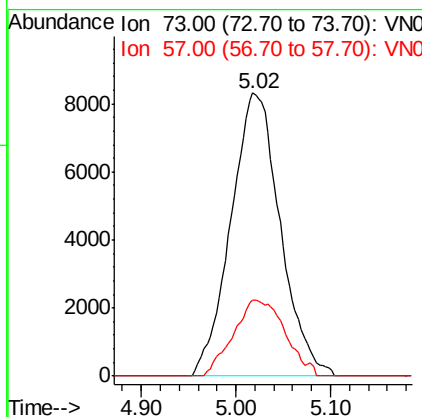
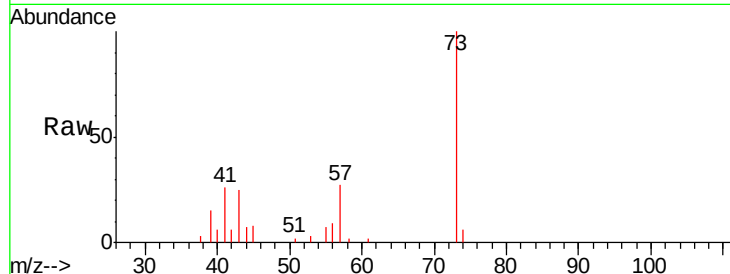




#19
Methyl tert-butyl Ether
Concen: 2.046 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

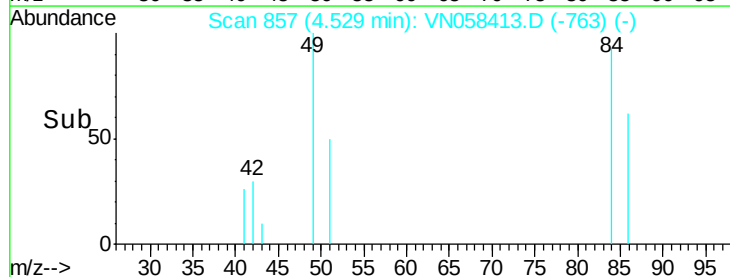
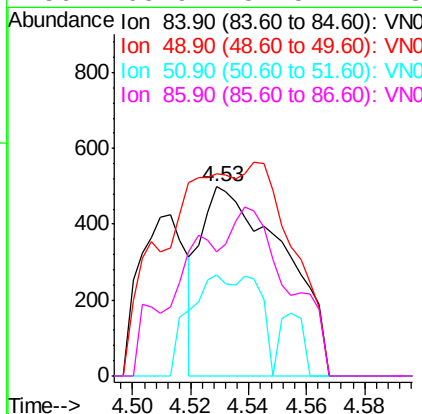
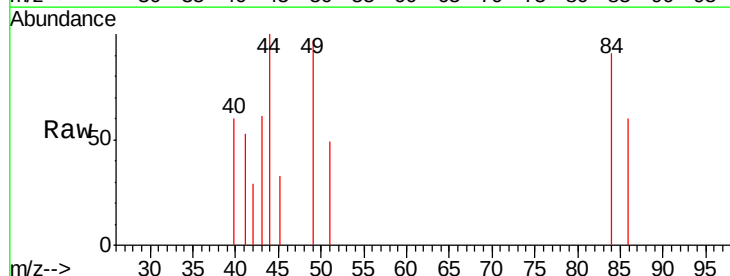
Instrument :
MSVOA_N
ClientSampleId :
30428DL

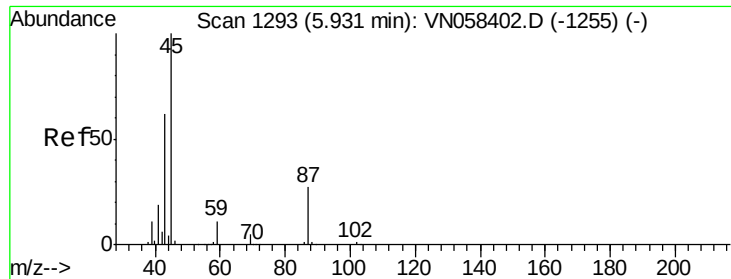
Tgt Ion: 73 Resp: 30141
Ion Ratio Lower Upper
73 100
57 26.8 17.6 26.4#



#20
Methylene Chloride
Concen: 0.217 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

Tgt Ion: 84 Resp: 992
Ion Ratio Lower Upper
84 100
49 107.0 107.9 161.9#
51 53.7 32.8 49.2#
86 65.9 51.5 77.3





#22

Diisopropyl ether

Concen: 0.420 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.01 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

30428DL

Tgt Ion: 45 Resp: 6804

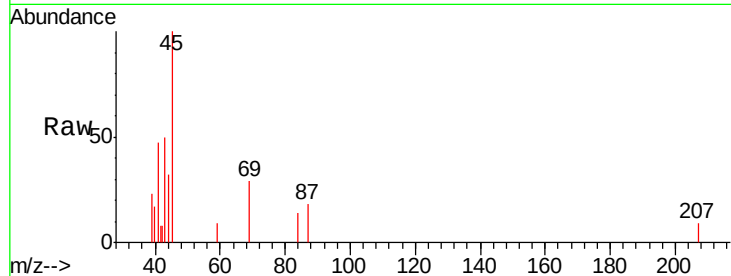
Ion Ratio Lower Upper

45 100

43 40.7 49.7 74.5#

87 18.1 21.5 32.3#

59 9.0 8.9 13.3

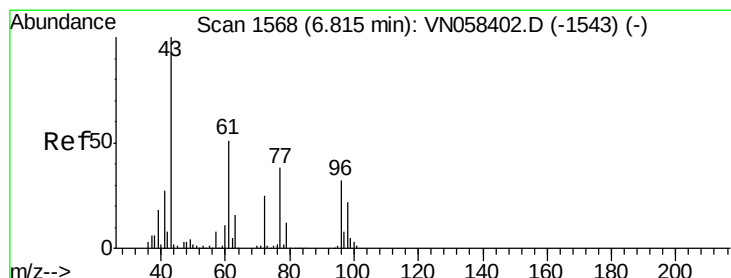
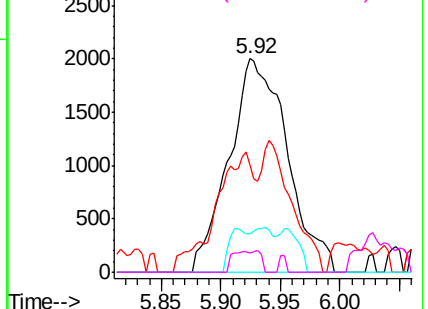
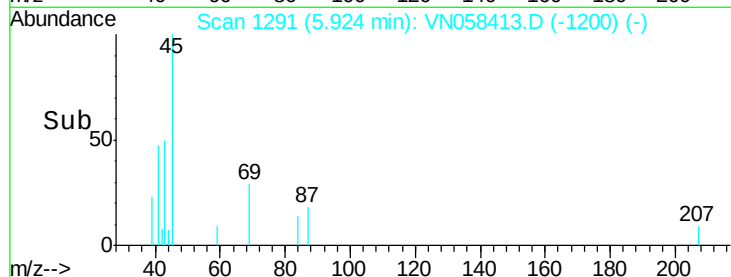


Abundance Ion 45.00 (44.70 to 45.70): VN058413.D (-1200) (-)

Ion 43.00 (42.70 to 43.70): VN058413.D (-1200) (-)

Ion 87.00 (86.70 to 87.70): VN058413.D (-1200) (-)

Ion 59.00 (58.70 to 59.70): VN058413.D (-1200) (-)



#25

2-Butanone

Concen: 0.265 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.02 min

Lab File: VN058413.D

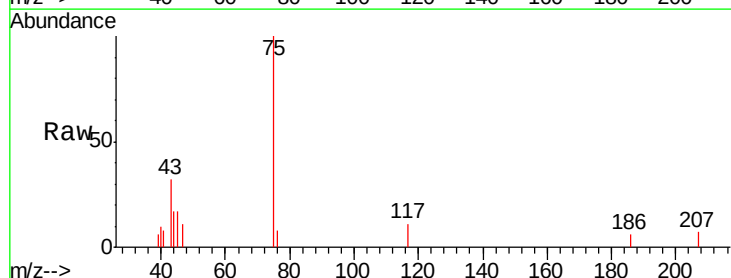
Acq: 27 Sep 2019 17:13

Tgt Ion: 43 Resp: 817

Ion Ratio Lower Upper

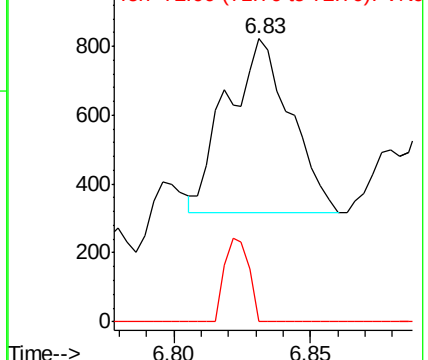
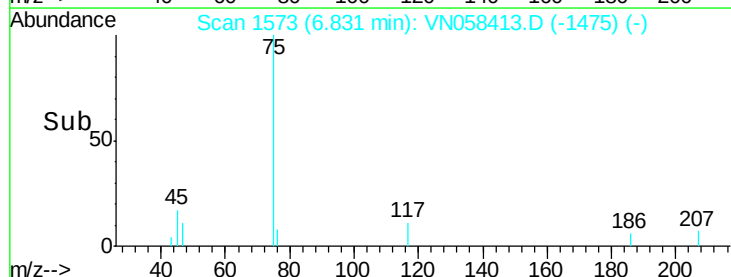
43 100

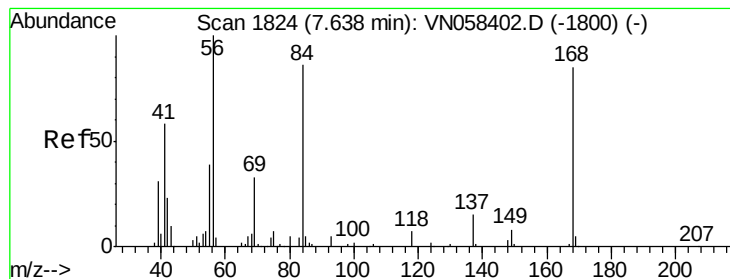
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VN058413.D (-1475) (-)

Ion 72.00 (71.70 to 72.70): VN058413.D (-1475) (-)





#31

Cyclohexane

Concen: 6.475 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

30428DL

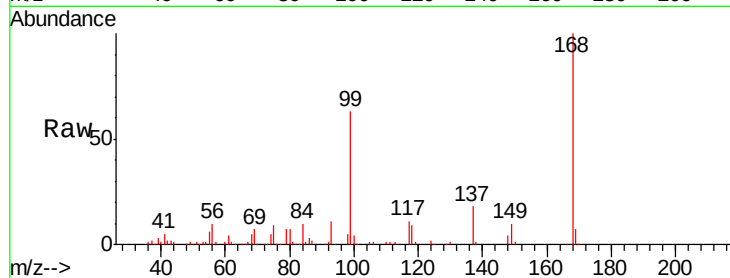
Tgt Ion: 56 Resp: 45679

Ion Ratio Lower Upper

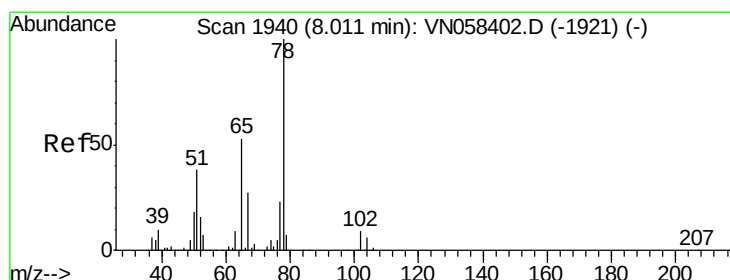
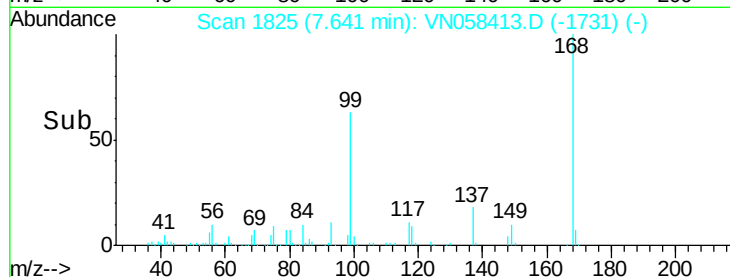
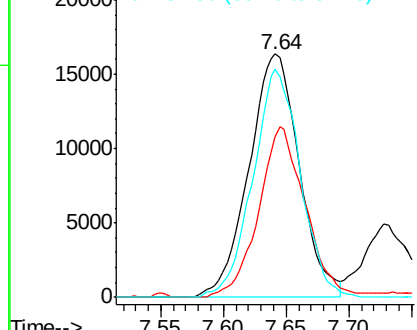
56 100

69 65.7 26.2 39.4#

84 93.8 67.6 101.4



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: 49.432 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058413.D

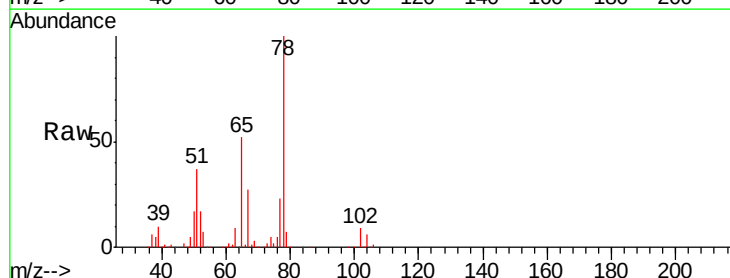
Acq: 27 Sep 2019 17:13

Tgt Ion: 65 Resp: 328101

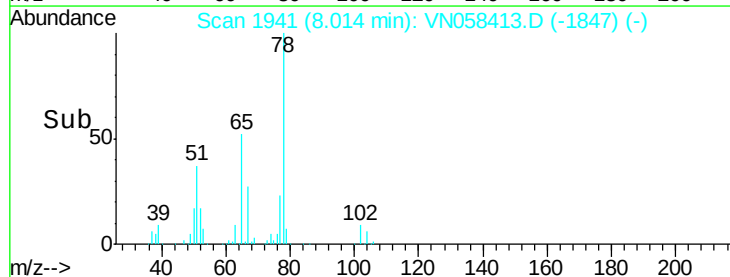
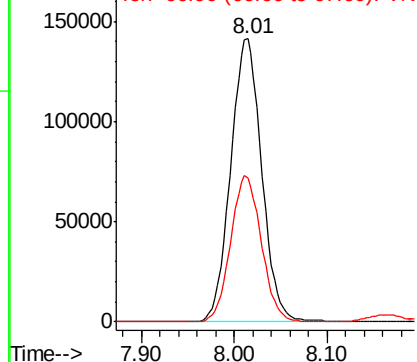
Ion Ratio Lower Upper

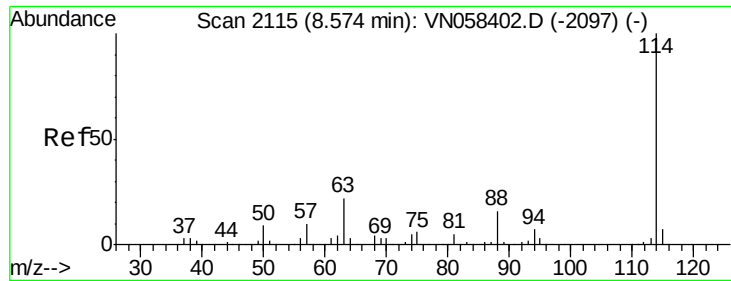
65 100

67 51.2 0.0 102.4



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

30428DL

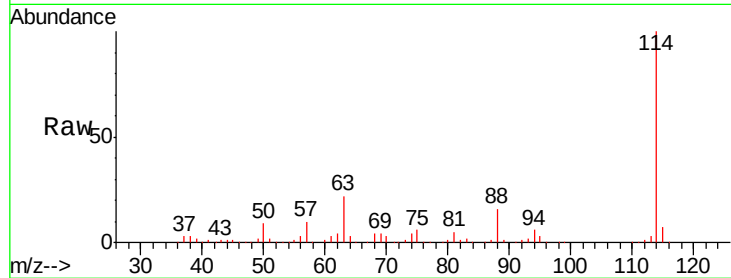
Tgt Ion:114 Resp: 757414

Ion Ratio Lower Upper

114 100

63 22.1 0.0 45.0

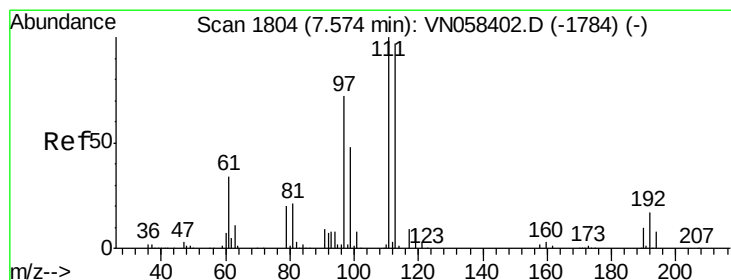
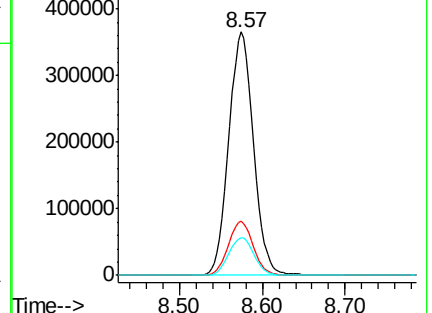
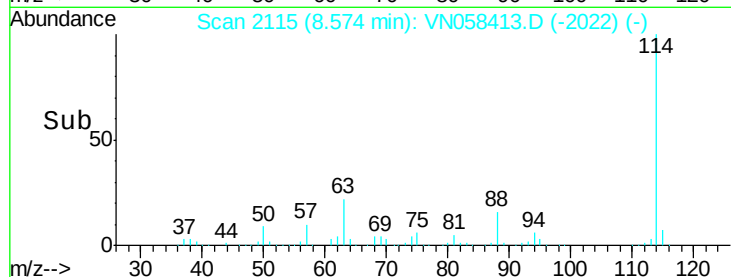
88 15.6 0.0 32.2



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: 49.698 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

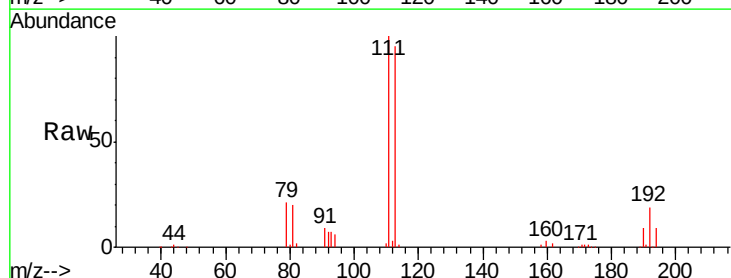
Tgt Ion:113 Resp: 229061

Ion Ratio Lower Upper

113 100

111 104.9 83.4 125.2

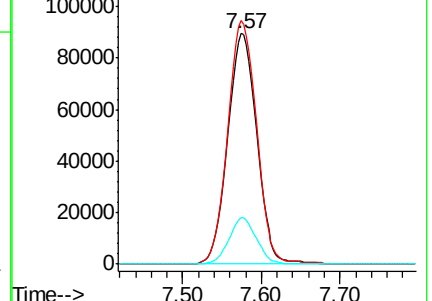
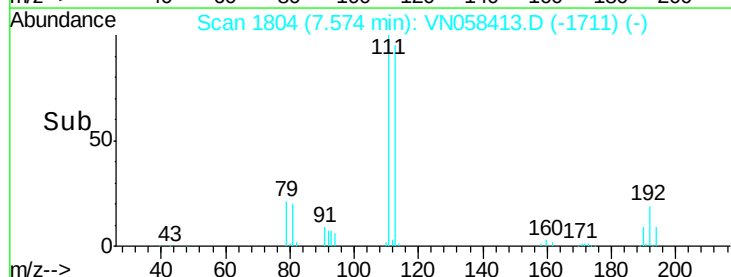
192 19.0 14.9 22.3

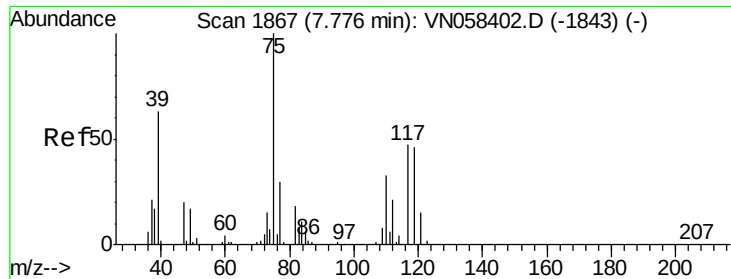


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

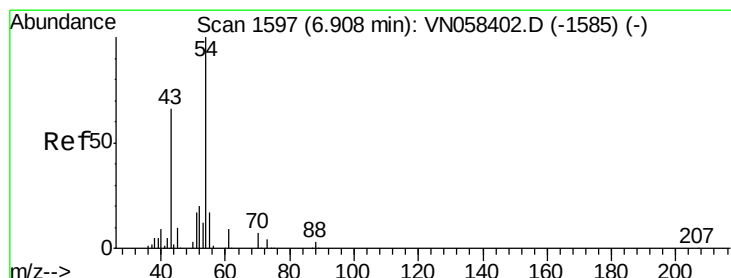
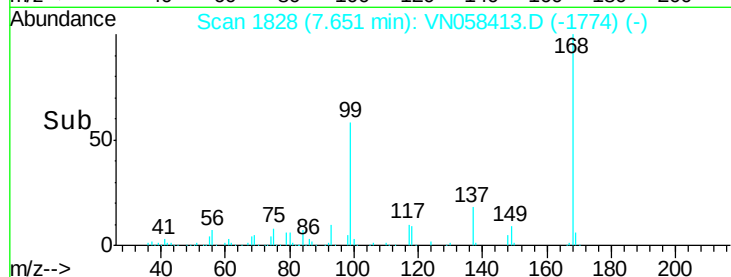
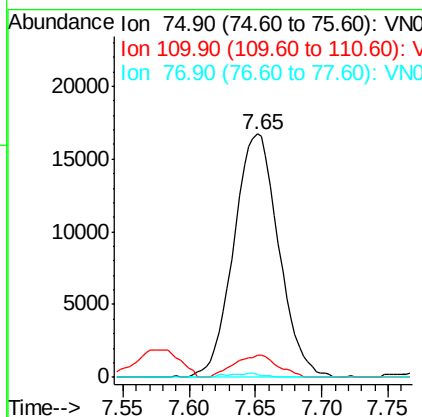
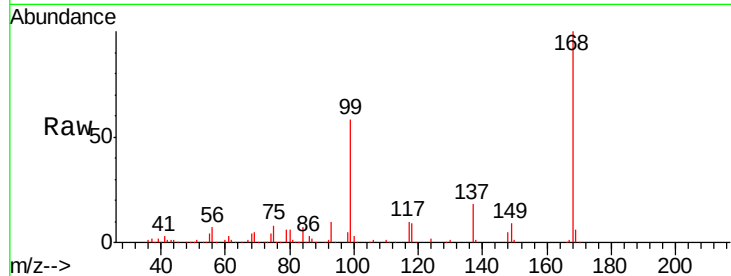




#36
 1,1-Dichloropropene
 Concen: 6.734 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058413.D
 Acq: 27 Sep 2019 17:13

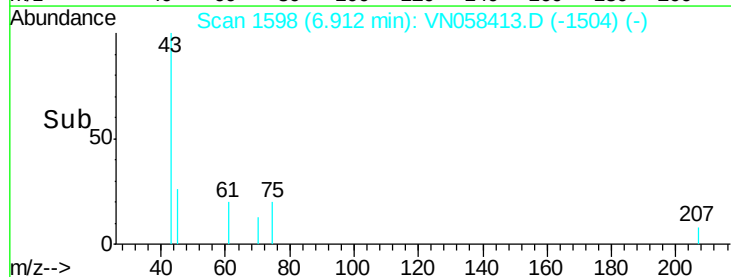
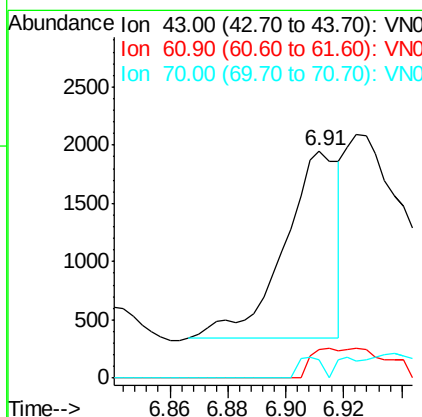
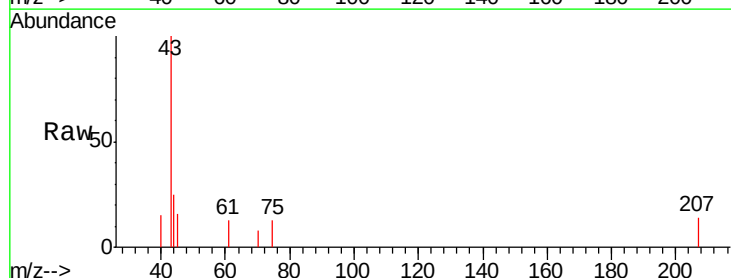
Instrument :
 MSVOA_N
 ClientSampled :
 30428DL

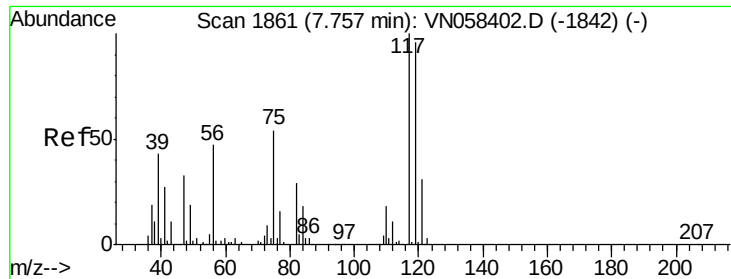
Tgt Ion: 75 Resp: 39411
 Ion Ratio Lower Upper
 75 100
 110 8.8 16.4 49.2#
 77 0.0 24.3 36.5#



#37
 Ethyl Acetate
 Concen: 0.359 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058413.D
 Acq: 27 Sep 2019 17:13

Tgt Ion: 43 Resp: 2082
 Ion Ratio Lower Upper
 43 100
 61 8.6 10.5 15.7#
 70 4.7 7.8 11.6#





#38

Carbon Tetrachloride

Concen: 8.564 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. -0.11 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

30428DL

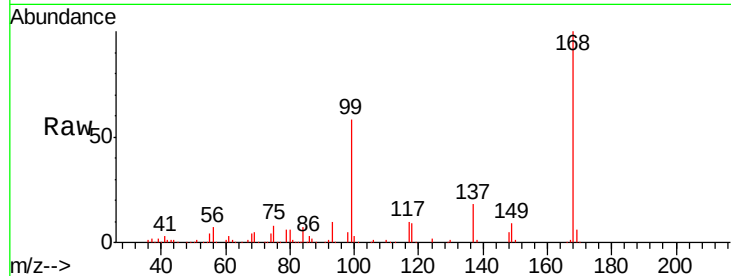
Tgt Ion: 117 Resp: 49229

Ion Ratio Lower Upper

117 100

119 4.7 76.6 115.0#

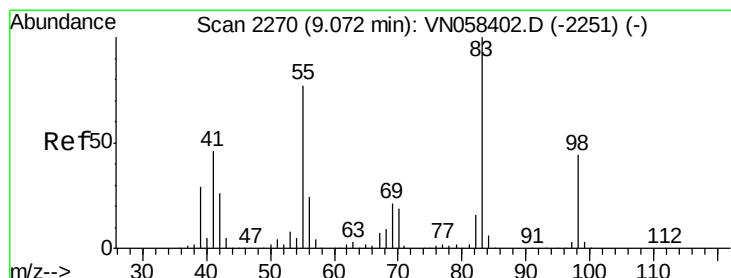
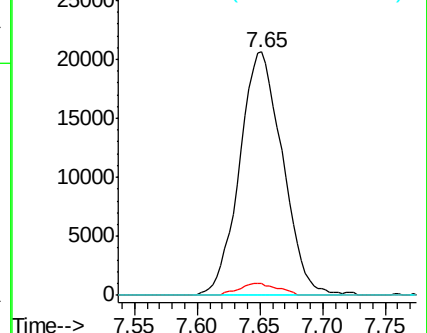
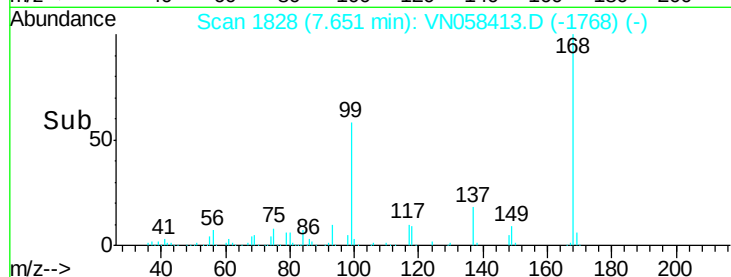
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 12.898 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

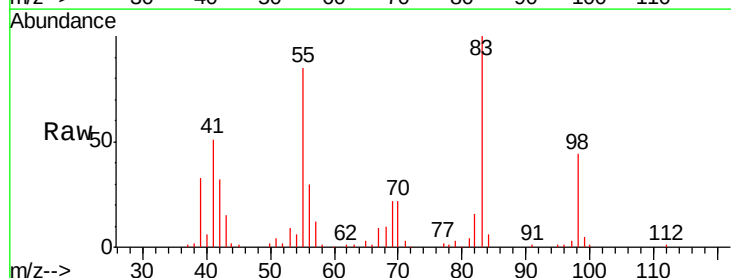
Tgt Ion: 83 Resp: 81552

Ion Ratio Lower Upper

83 100

55 83.5 61.8 92.6

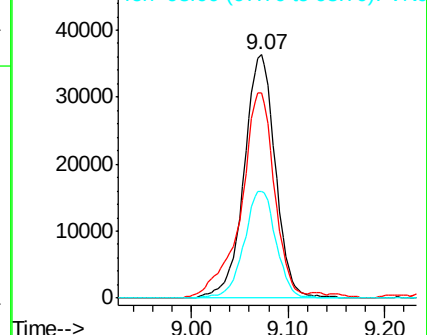
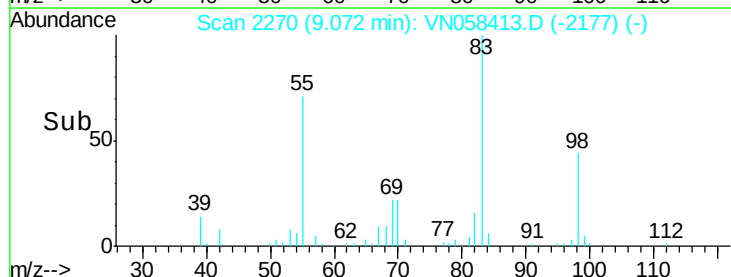
98 44.1 35.4 53.0

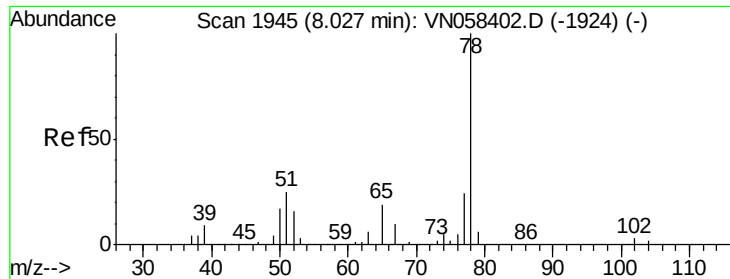


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 52.612 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

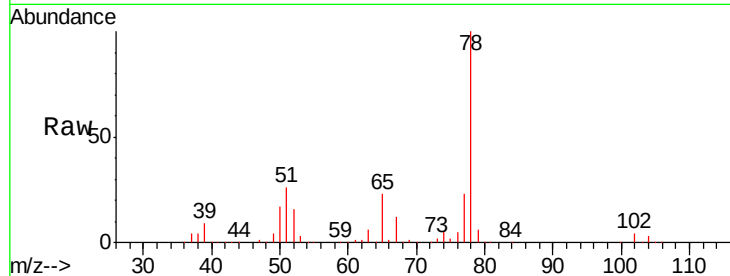
30428DL

Tgt Ion: 78 Resp: 923618

Ion Ratio Lower Upper

78 100

77 23.1 18.9 28.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.03

400000

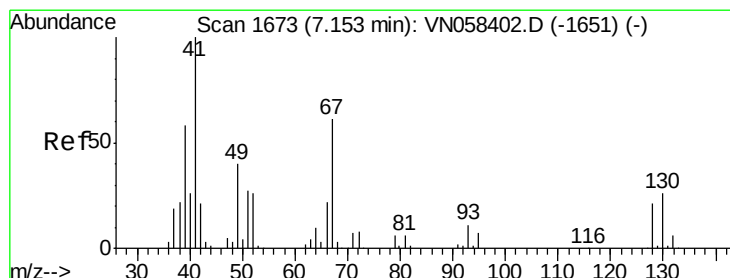
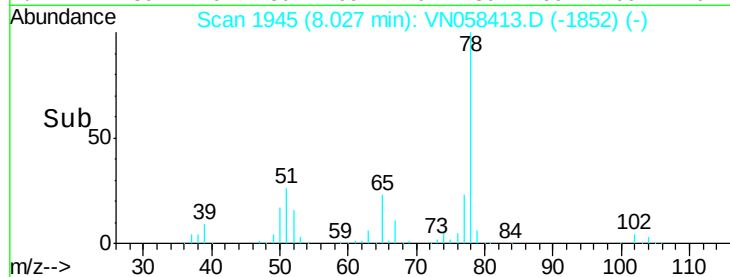
300000

200000

100000

0

Time-->



#41

Methacrylonitrile

Concen: 0.248 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.02 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Tgt Ion: 41 Resp: 679

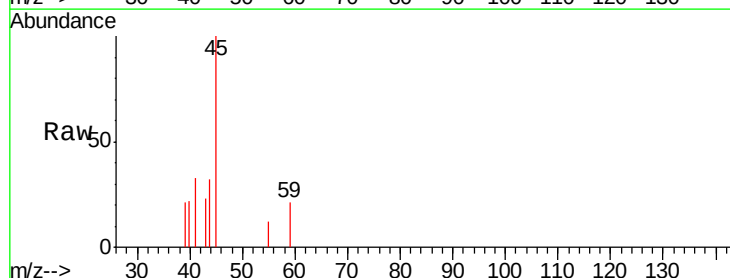
Ion Ratio Lower Upper

41 100

39 111.0 50.2 75.4#

67 0.0 70.2 105.4#

52 0.0 31.4 47.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

800

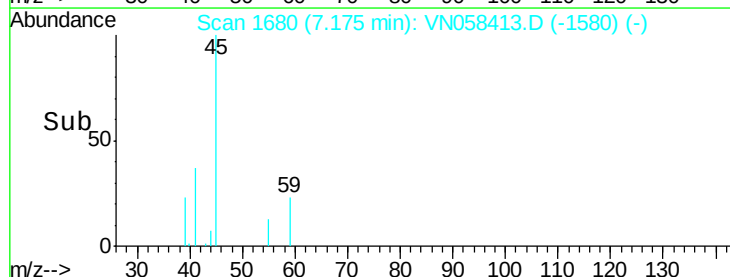
600

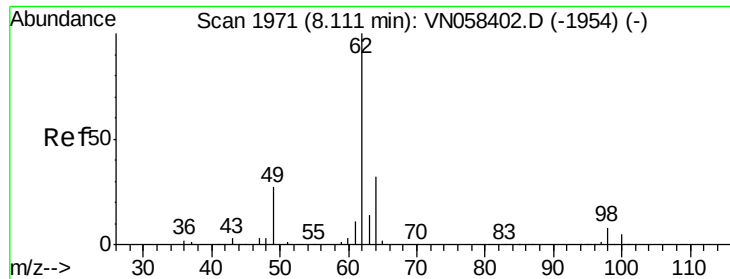
400

200

0

Time-->

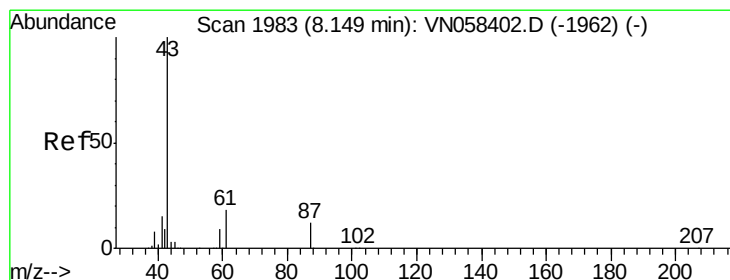
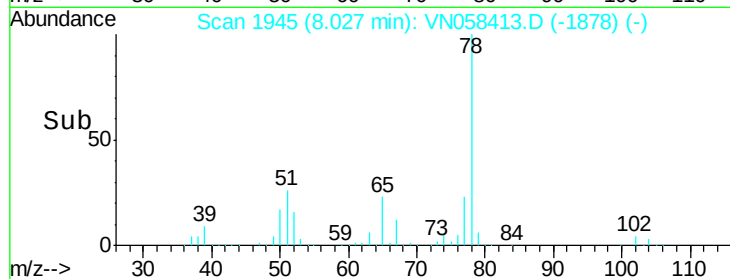
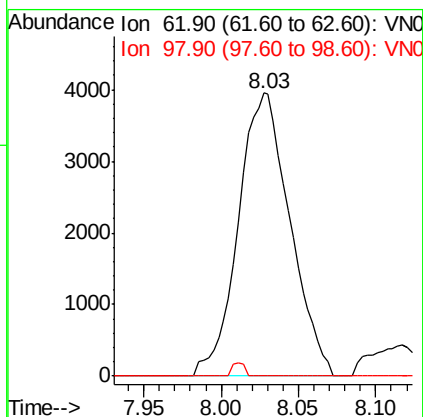
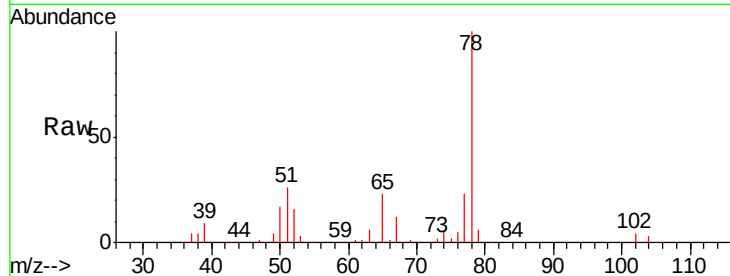




#42
 1,2-Dichloroethane
 Concen: 1.268 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.08 min
 Lab File: VN058413.D
 Acq: 27 Sep 2019 17:13

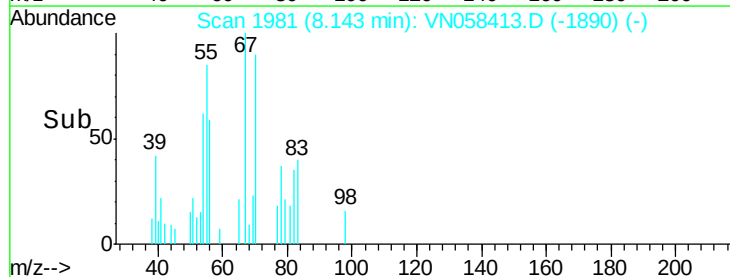
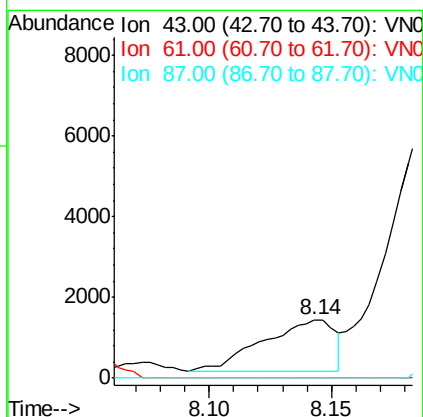
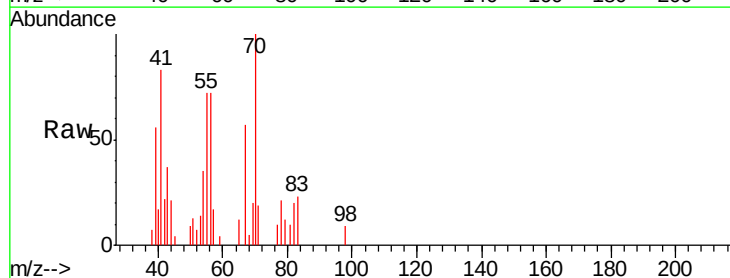
Instrument :
 MSVOA_N
 ClientSampleId :
 30428DL

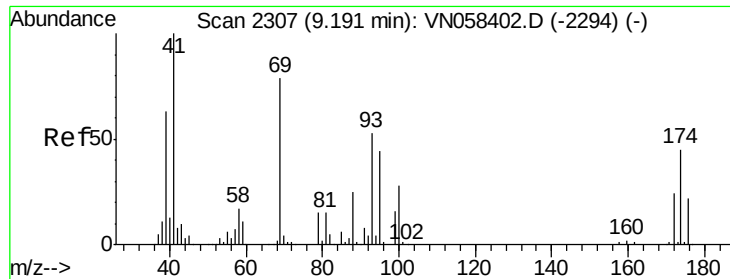
Tgt Ion: 62 Resp: 9170
 Ion Ratio Lower Upper
 62 100
 98 1.1 0.0 15.6



#43
 Isopropyl Acetate
 Concen: 0.246 ug/l
 RT: 8.14 min Scan# 1981
 Delta R.T. -0.01 min
 Lab File: VN058413.D
 Acq: 27 Sep 2019 17:13

Tgt Ion: 43 Resp: 2648
 Ion Ratio Lower Upper
 43 100
 61 0.0 14.8 22.2#
 87 0.0 9.7 14.5#





#48

Methyl methacrylate

Concen: 0.403 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.02 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleID :

30428DL

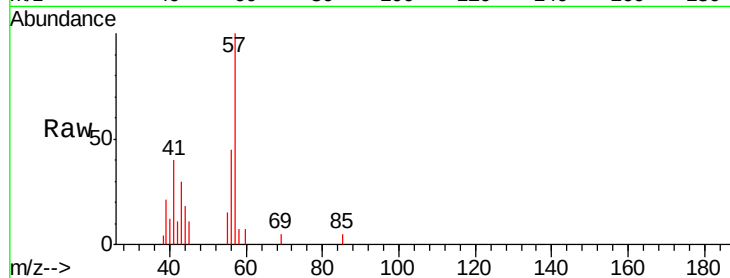
Tgt Ion: 41 Resp: 1971

Ion Ratio Lower Upper

41 100

69 0.0 64.7 97.1#

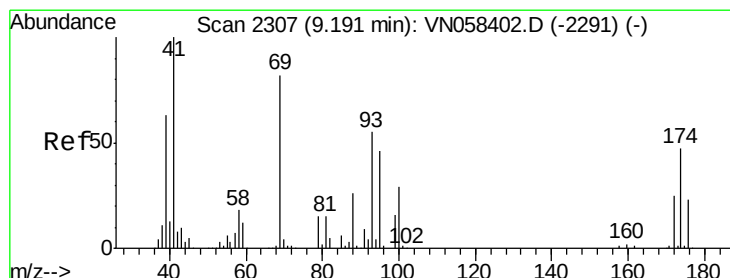
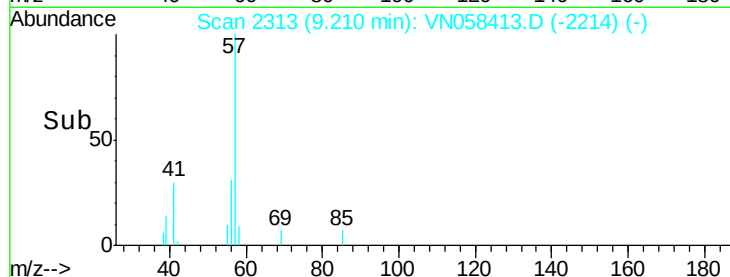
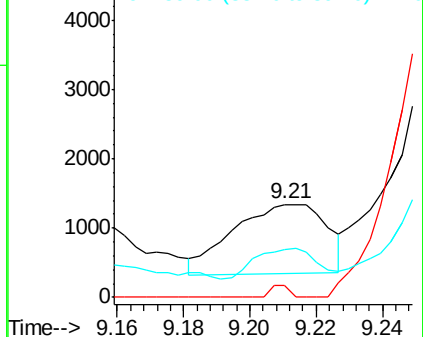
39 57.2 52.9 79.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#49

1,4-Dioxane

Concen: 0.387 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.02 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

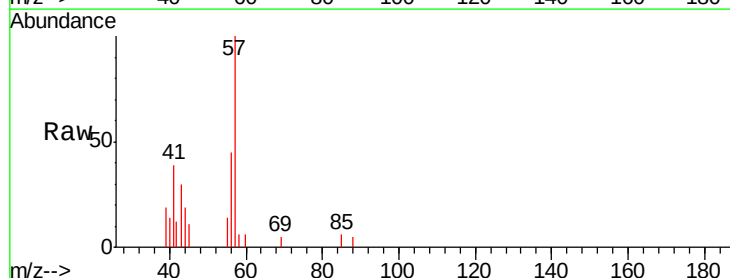
Tgt Ion: 88 Resp: 30

Ion Ratio Lower Upper

88 100

43 2853.3 31.1 46.7#

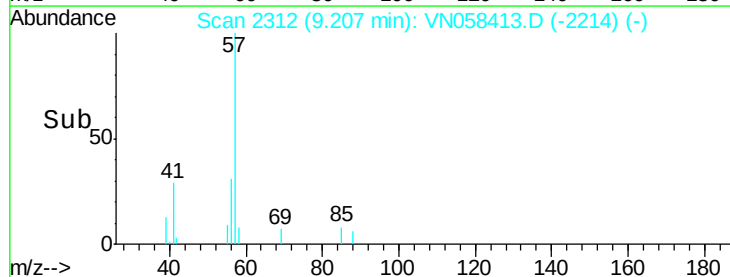
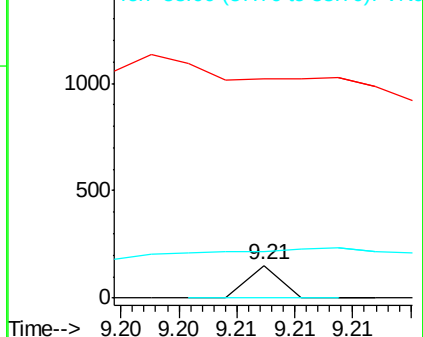
58 1353.3 58.1 87.1#

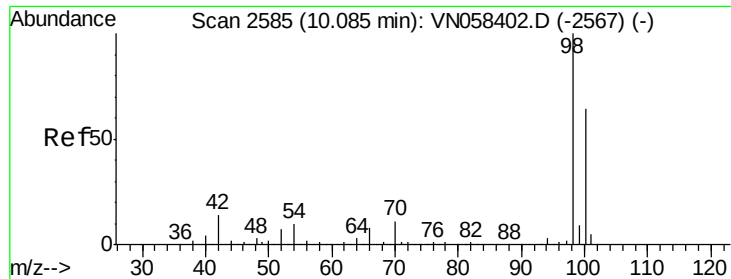


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 53.109 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

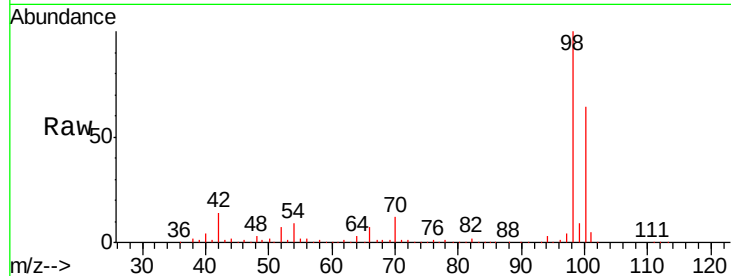
30428DL

Tgt Ion: 98 Resp: 951255

Ion Ratio Lower Upper

98 100

100 63.8 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN058413.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058413.D (-2492) (-)

10.09

500000

400000

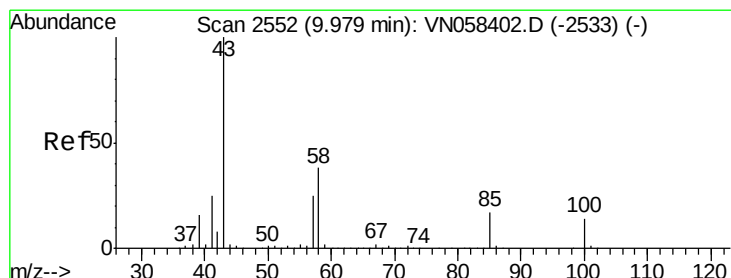
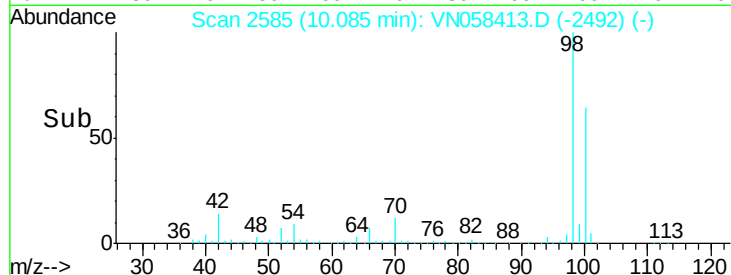
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 1.311 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.10 min

Lab File: VN058413.D

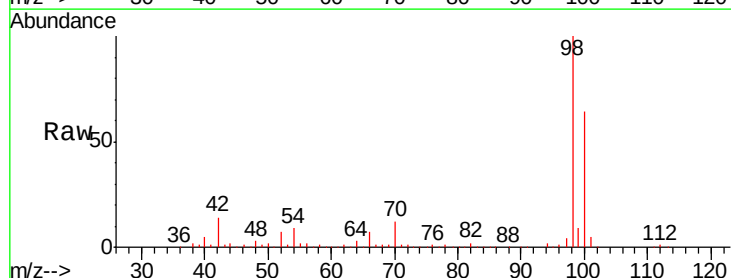
Acq: 27 Sep 2019 17:13

Tgt Ion: 43 Resp: 7425

Ion Ratio Lower Upper

43 100

58 130.1 30.2 45.2#



Abundance Ion 43.00 (42.70 to 43.70): VN058413.D (-2459) (-)

Ion 58.00 (57.70 to 58.70): VN058413.D (-2459) (-)

10.08

80000

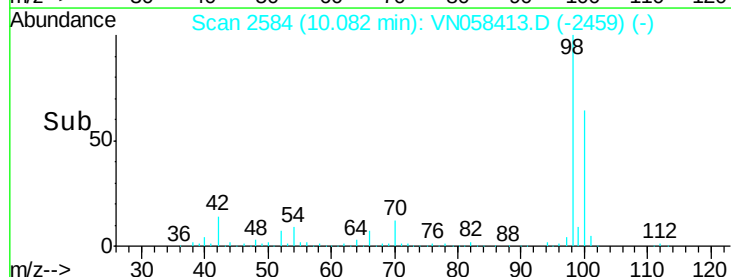
60000

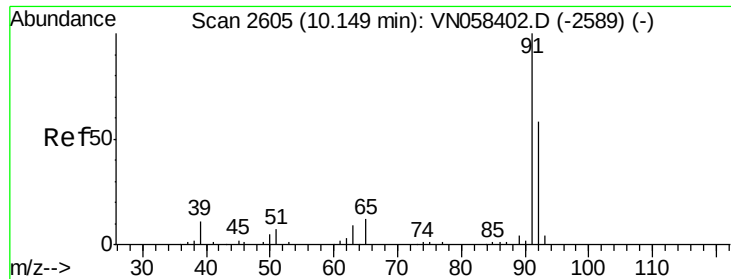
40000

20000

0

Time-->





#52

Toluene

Concen: 568.435 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

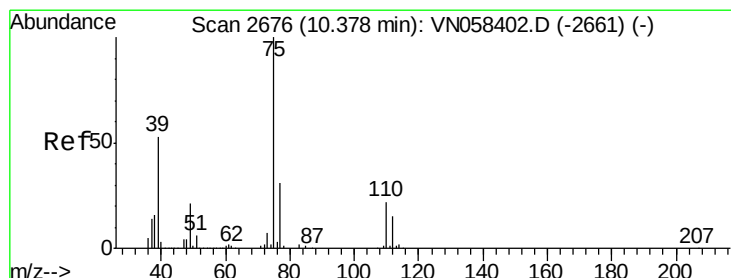
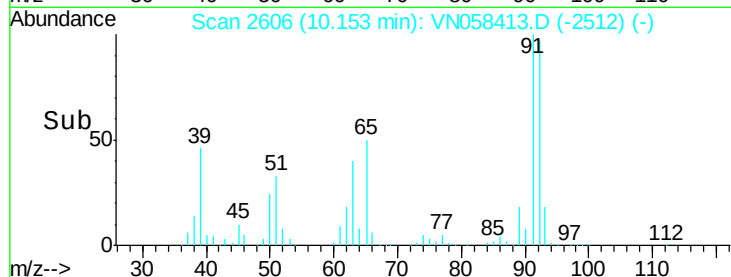
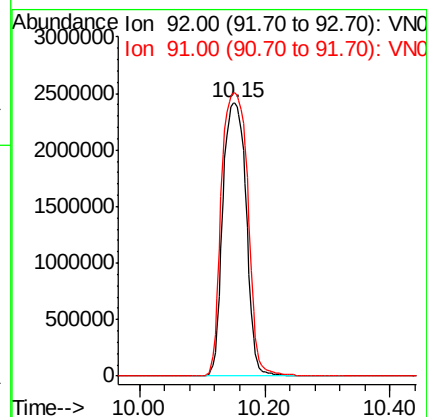
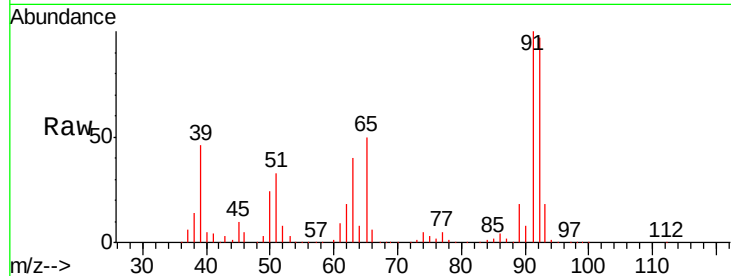
30428DL

Tgt Ion: 92 Resp: 6209660

Ion Ratio Lower Upper

92 100

91 118.1 140.2 210.4#



#53

t-1,3-Dichloropropene

Concen: 21.701 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.23 min

Lab File: VN058413.D

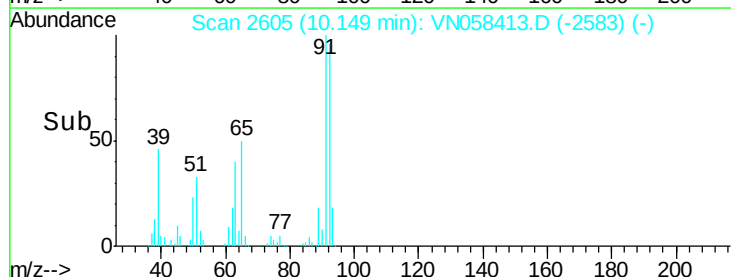
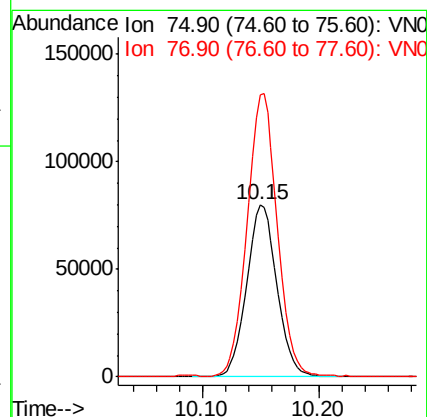
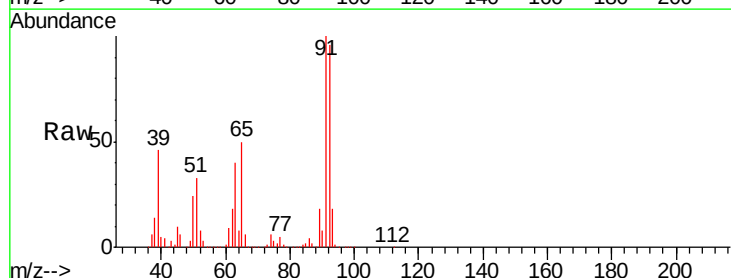
Acq: 27 Sep 2019 17:13

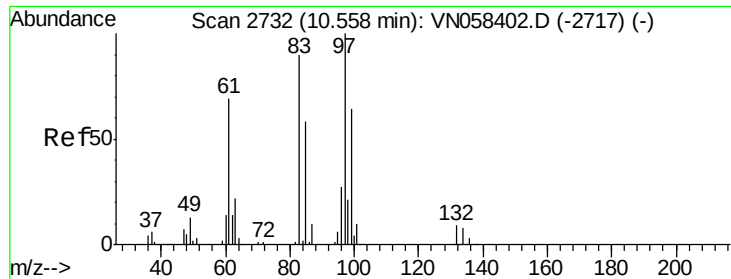
Tgt Ion: 75 Resp: 145326

Ion Ratio Lower Upper

75 100

77 163.0 25.2 37.8#





#55

1,1,2-Trichloroethane

Concen: 2.209 ug/l

RT: 10.53 min Scan# 2723

Delta R.T. -0.03 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

30428DL

Tgt Ion: 97 Resp: 10350

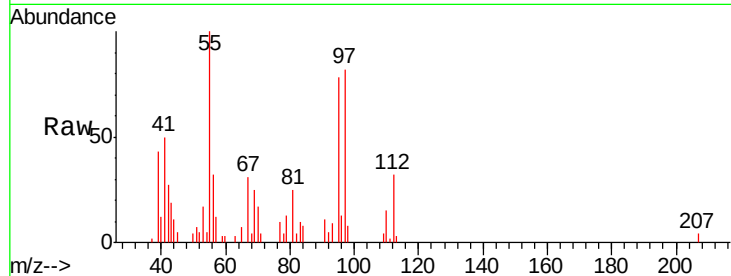
Ion Ratio Lower Upper

97 100

83 12.6 71.8 107.6#

85 0.0 46.6 69.8#

99 0.0 51.5 77.3#

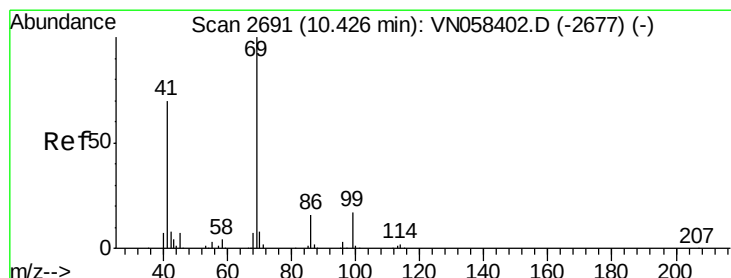
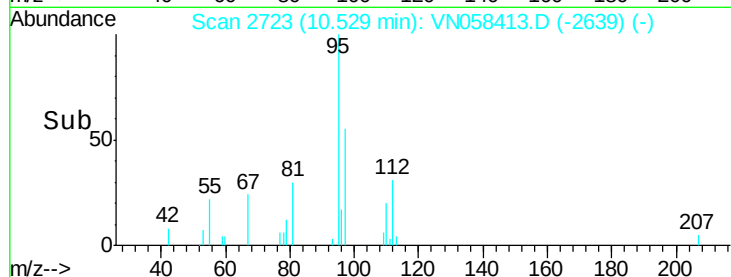
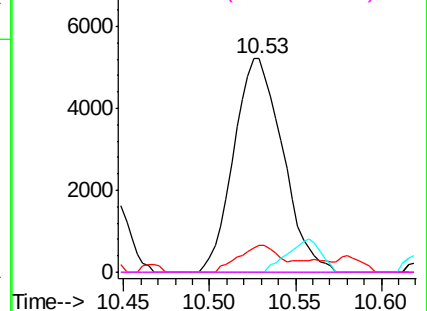


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.517 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

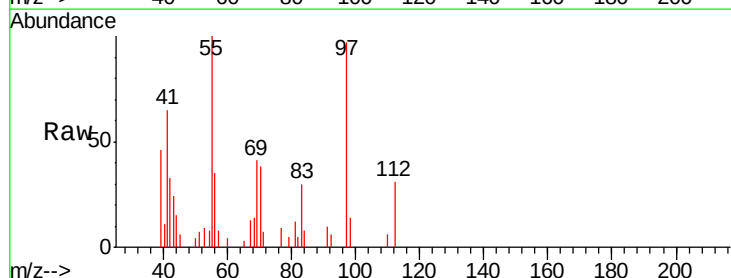
Tgt Ion: 69 Resp: 3522

Ion Ratio Lower Upper

69 100

41 0.0 56.3 84.5#

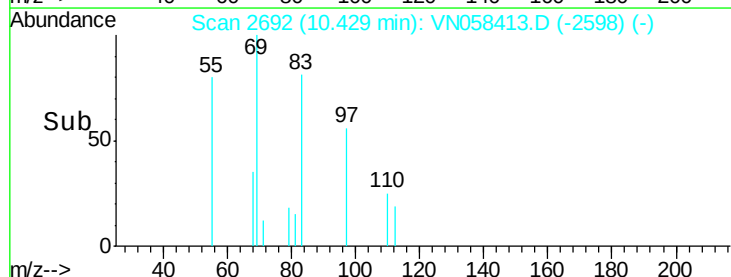
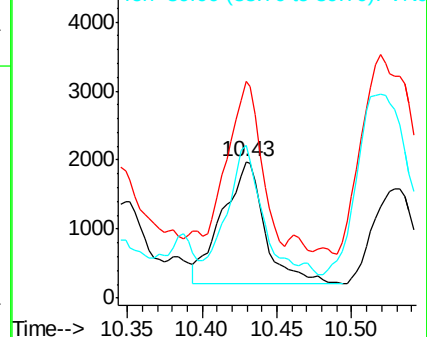
39 0.0 35.8 53.6#

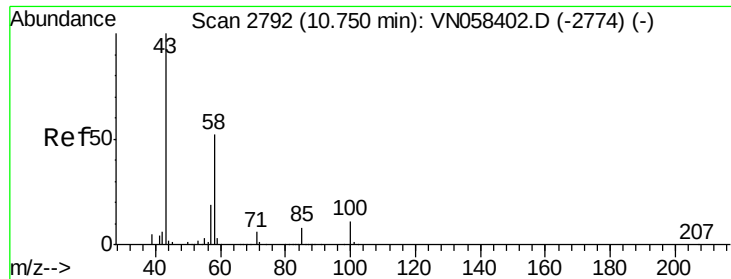


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

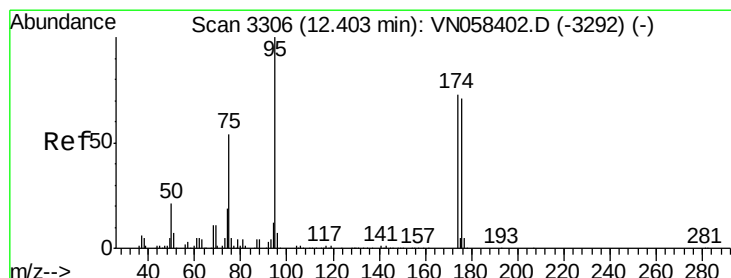
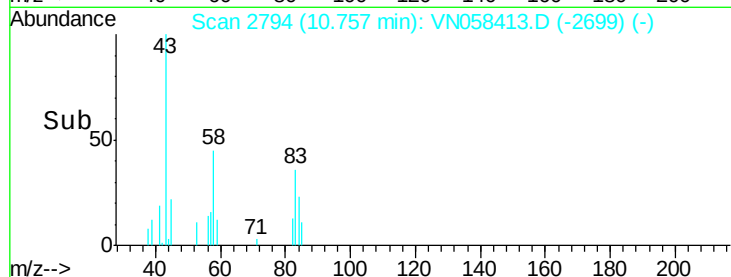
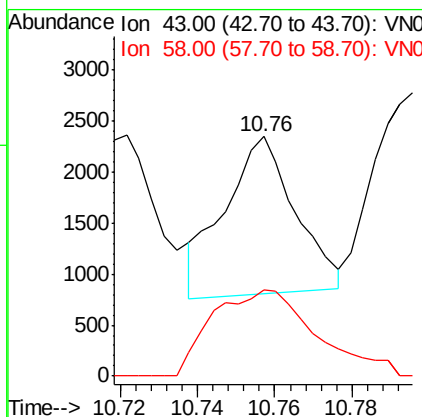
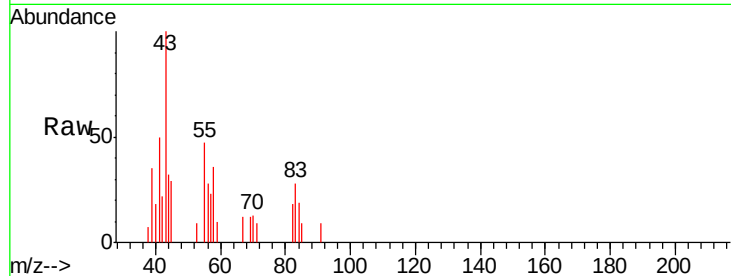




#59
2-Hexanone
Concen: 0.465 ug/l
RT: 10.76 min Scan# 2794
Delta R.T. 0.01 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

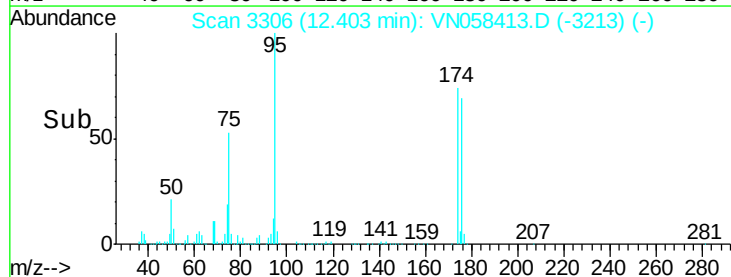
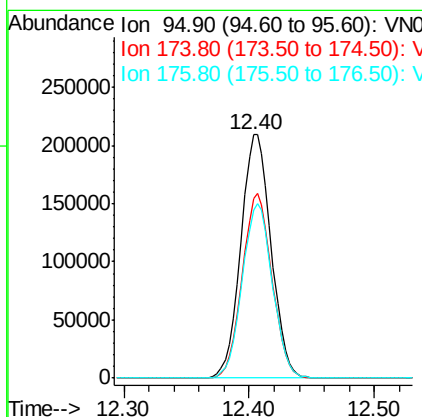
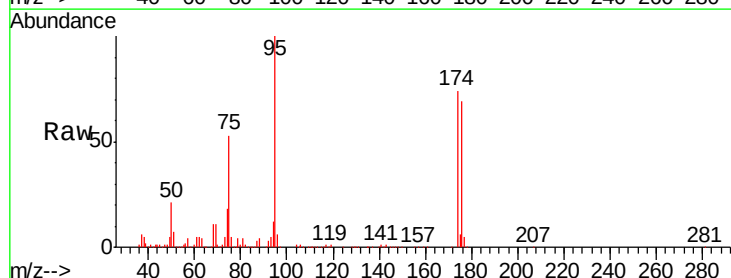
Instrument :
MSVOA_N
ClientSampled :
30428DL

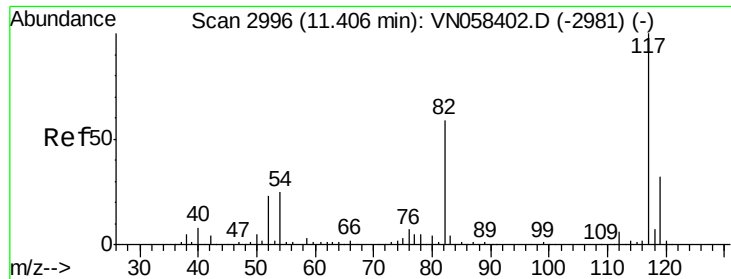
Tgt Ion: 43 Resp: 1952
Ion Ratio Lower Upper
43 100
58 80.5 25.8 77.3#



#62
4-Bromofluorobenzene
Concen: 52.707 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

Tgt Ion: 95 Resp: 349664
Ion Ratio Lower Upper
95 100
174 74.7 0.0 150.6
176 71.6 0.0 146.2

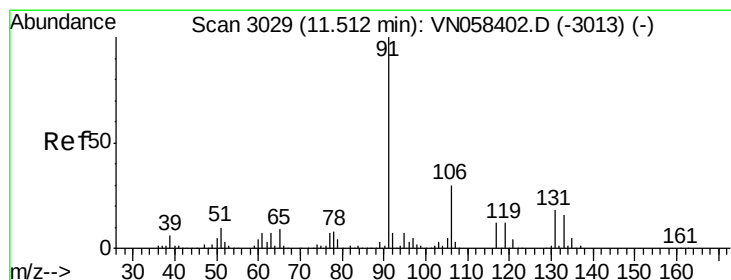
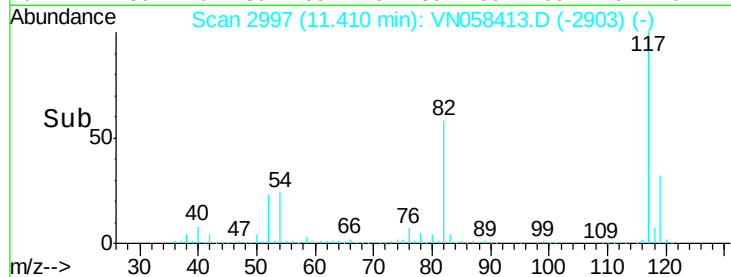
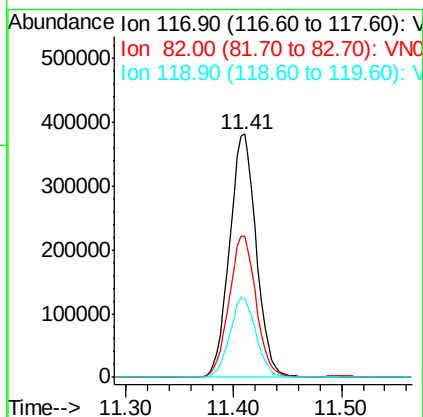
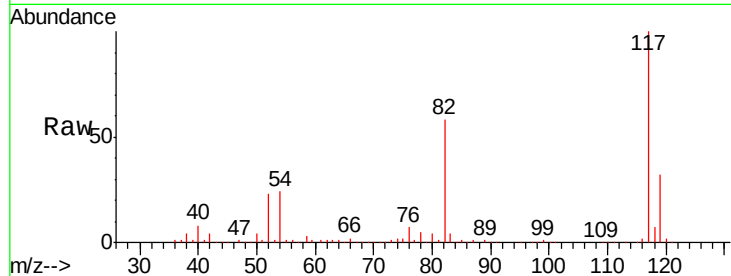




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

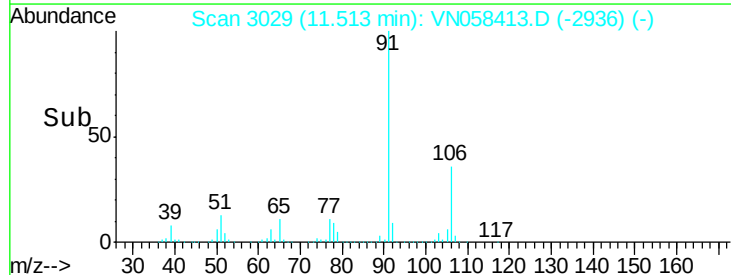
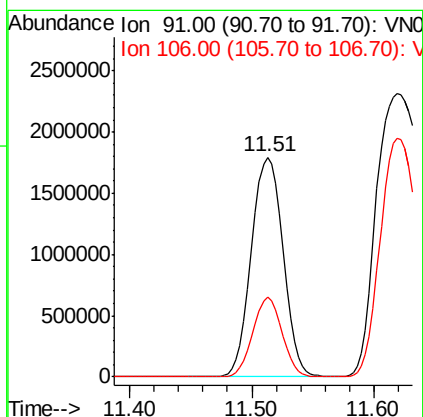
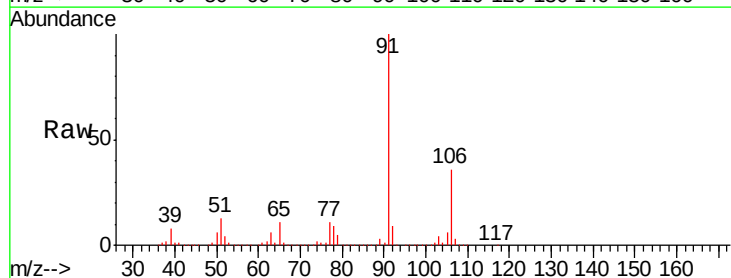
Instrument :
MSVOA_N
ClientSampled :
30428DL

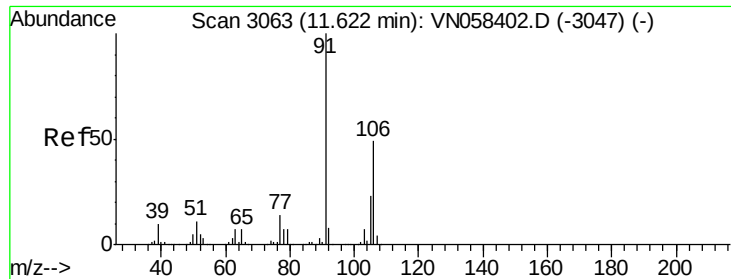
Tgt Ion: 117 Resp: 660378
Ion Ratio Lower Upper
117 100
82 57.7 47.4 71.0
119 32.4 25.5 38.3



#67
Ethyl Benzene
Concen: 155.874 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

Tgt Ion: 91 Resp: 3223144
Ion Ratio Lower Upper
91 100
106 36.4 24.3 36.5

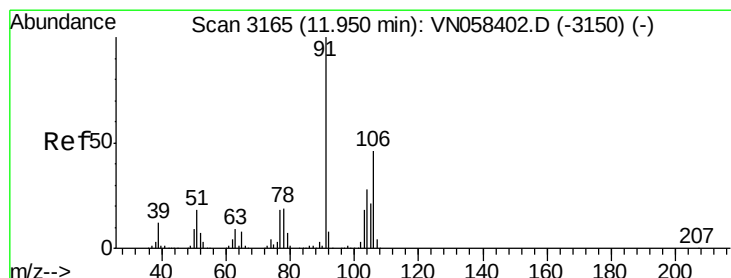
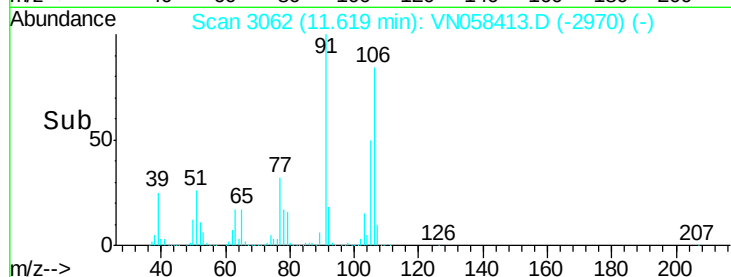
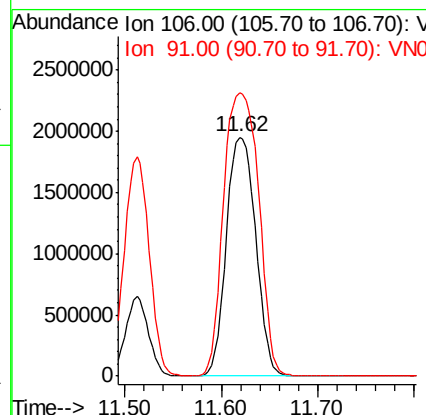
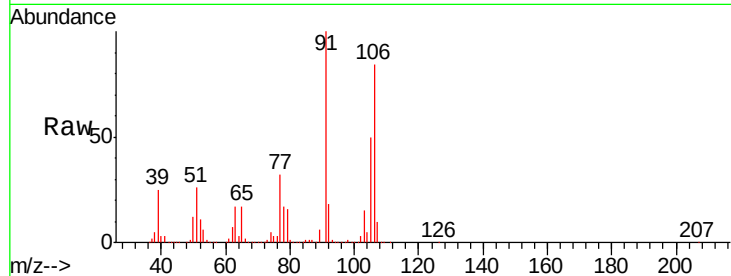




#68
m/p-Xylenes
Concen: 528.392 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

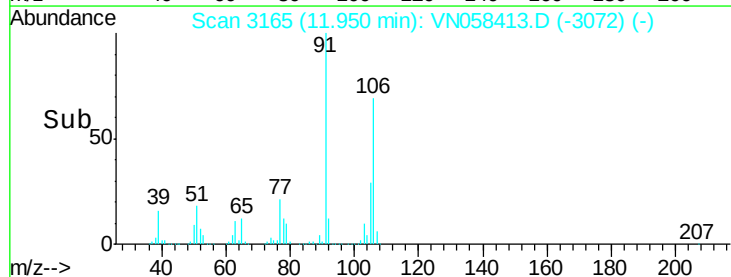
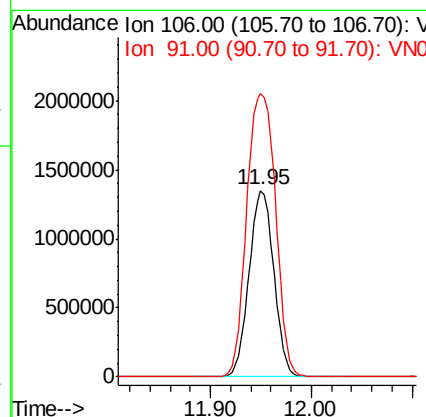
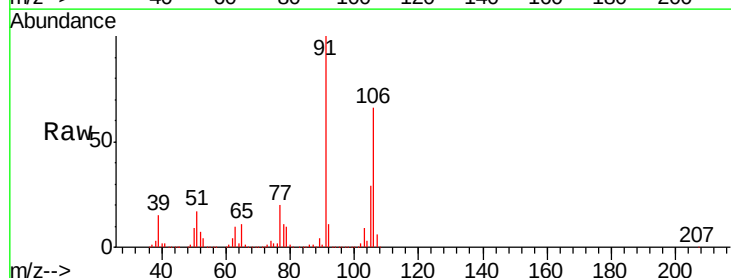
Instrument :
MSVOA_N
ClientSampled :
30428DL

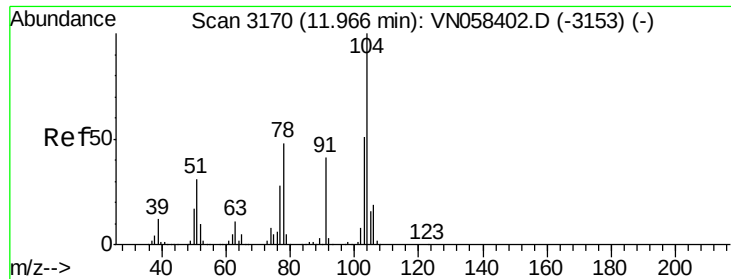
Tgt Ion:106 Resp: 4120438
Ion Ratio Lower Upper
106 100
91 142.0 165.0 247.4#



#69
o-Xylene
Concen: 298.408 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

Tgt Ion:106 Resp: 2276249
Ion Ratio Lower Upper
106 100
91 177.7 109.1 327.4





#70

Styrene

Concen: 9.533 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. -0.02 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

30428DL

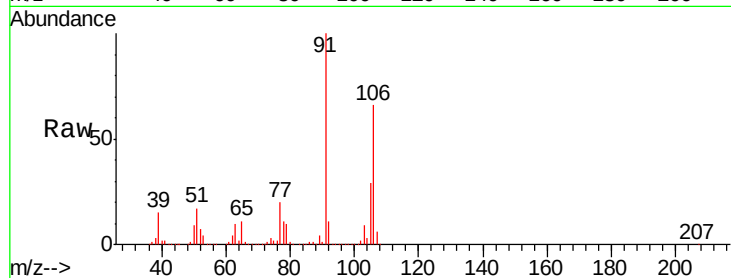
Tgt Ion:104 Resp: 123934

Ion Ratio Lower Upper

104 100

78 302.3 42.8 64.2#

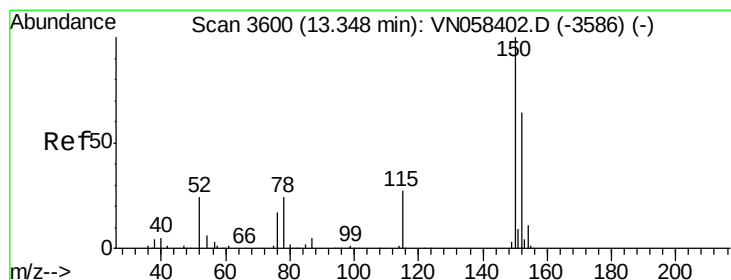
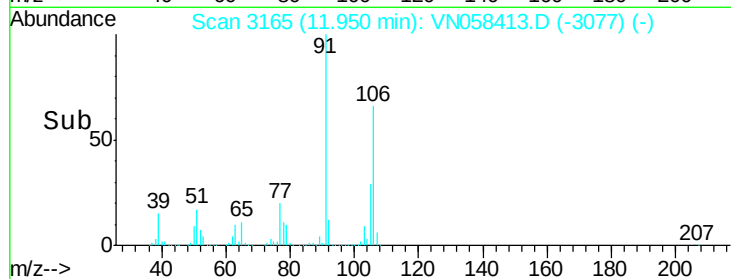
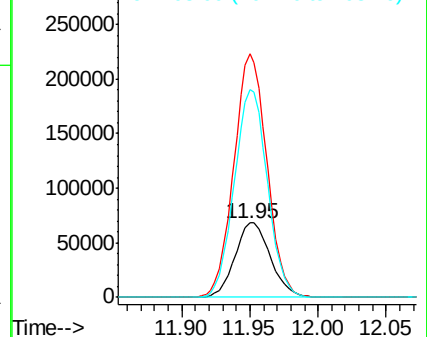
103 259.7 43.7 65.5#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

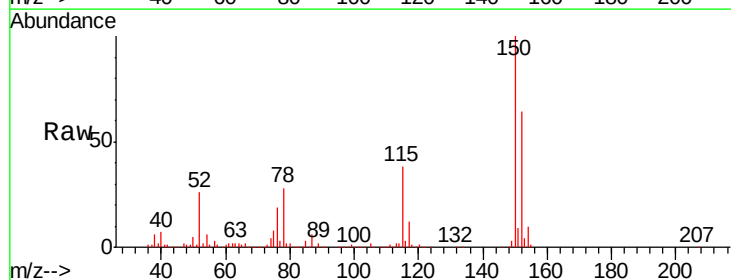
Tgt Ion:152 Resp: 317683

Ion Ratio Lower Upper

152 100

115 70.3 30.0 90.0

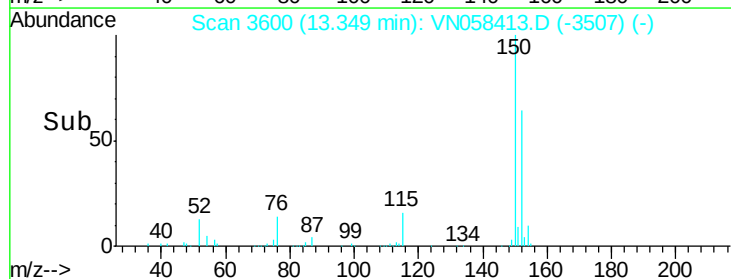
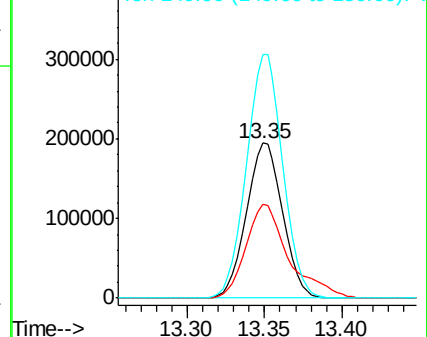
150 156.9 0.0 348.2

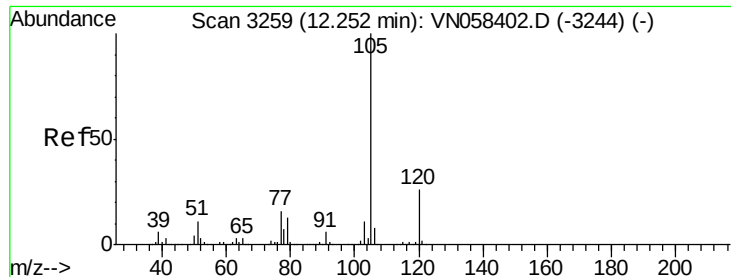


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 8.490 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

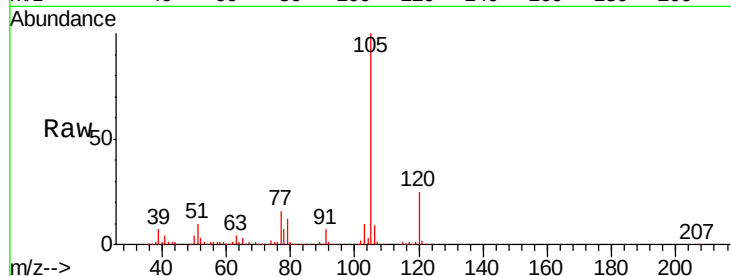
30428DL

Tgt Ion: 105 Resp: 174532

Ion Ratio Lower Upper

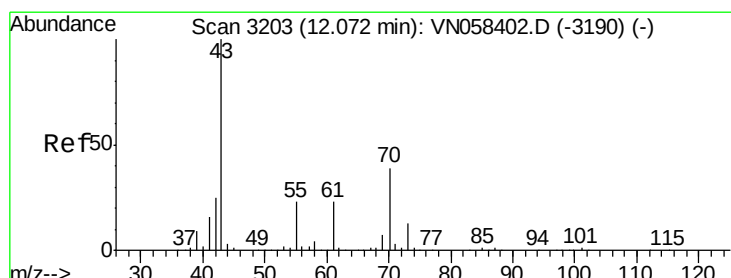
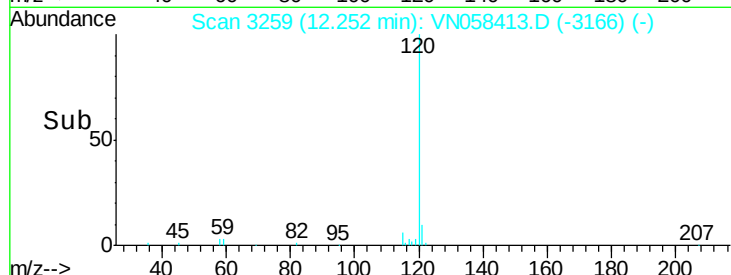
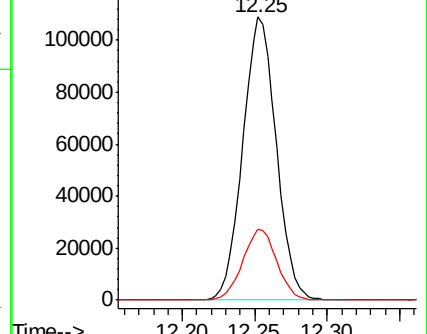
105 100

120 25.3 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 14.284 ug/l

RT: 11.81 min Scan# 3123

Delta R.T. -0.26 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Tgt Ion: 43 Resp: 121407

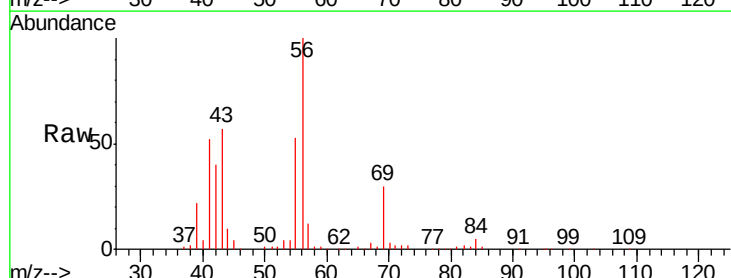
Ion Ratio Lower Upper

43 100

70 6.0 31.4 47.2#

55 92.7 18.2 27.4#

61 0.0 18.3 27.5#

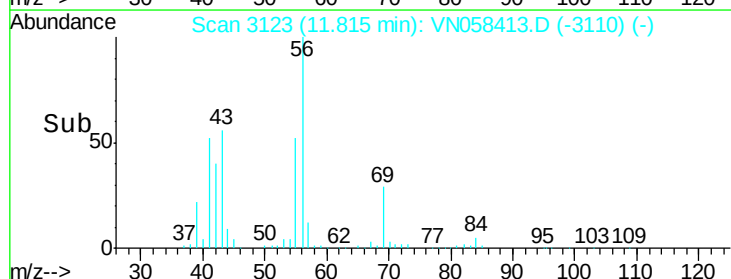
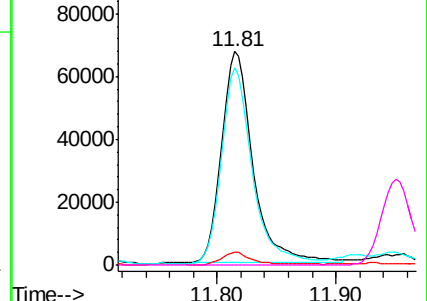


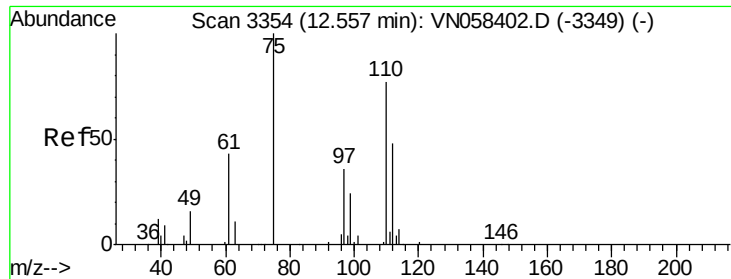
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#76

1,2,3-Trichloropropane

Concen: 2.978 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. 0.10 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

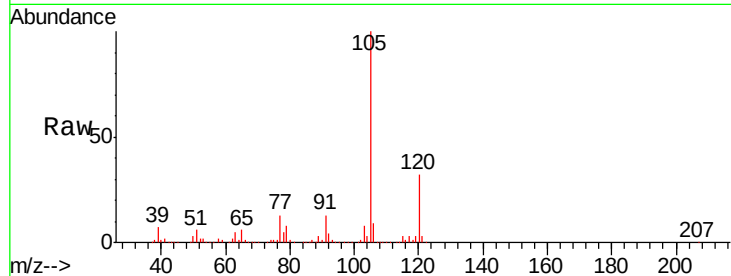
30428DL

Tgt Ion: 75 Resp: 17174

Ion Ratio Lower Upper

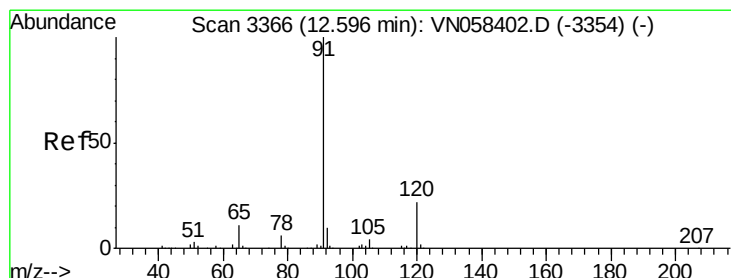
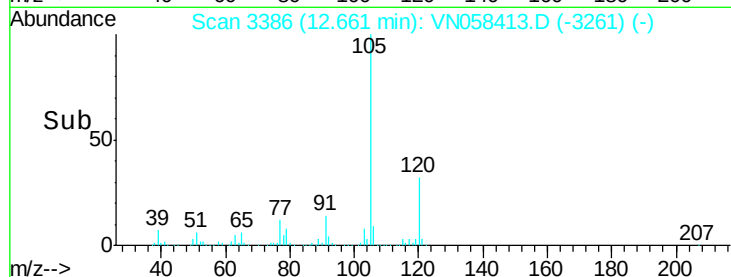
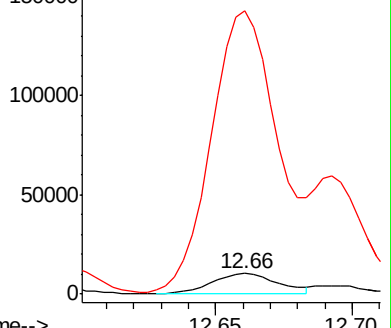
75 100

77 1398.4 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 22.036 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058413.D

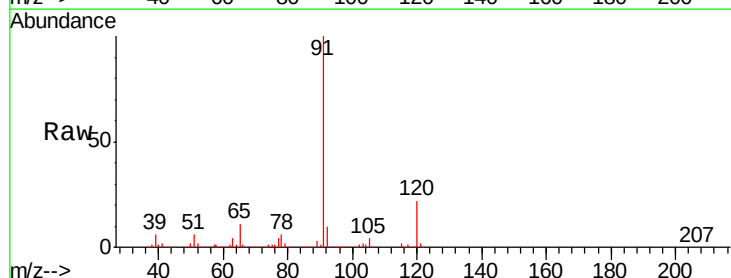
Acq: 27 Sep 2019 17:13

Tgt Ion: 91 Resp: 515158

Ion Ratio Lower Upper

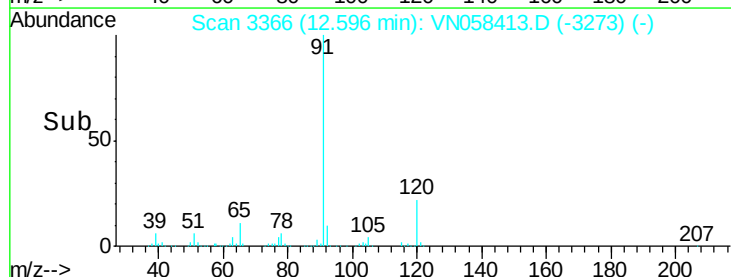
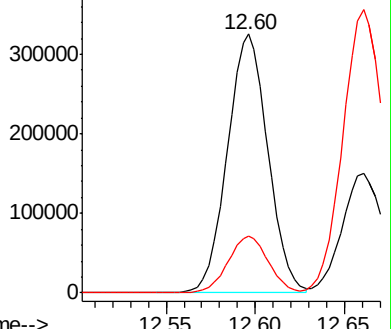
91 100

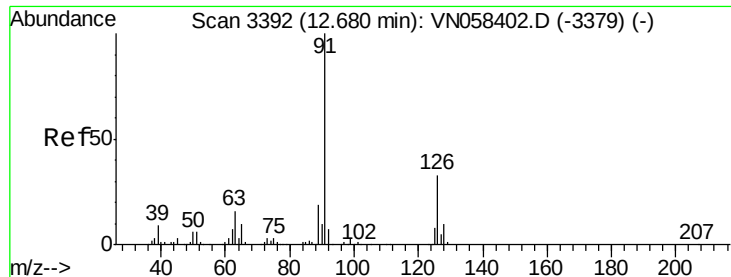
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 16.205 ug/l

RT: 12.66 min Scan# 3386

Delta R.T. -0.02 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

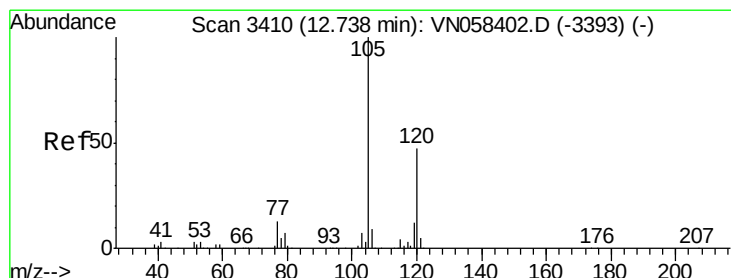
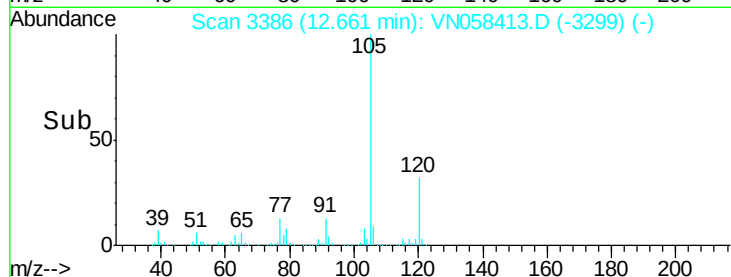
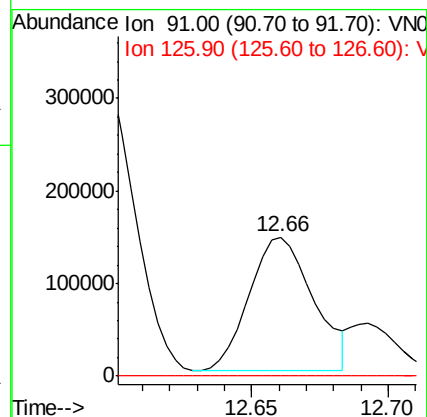
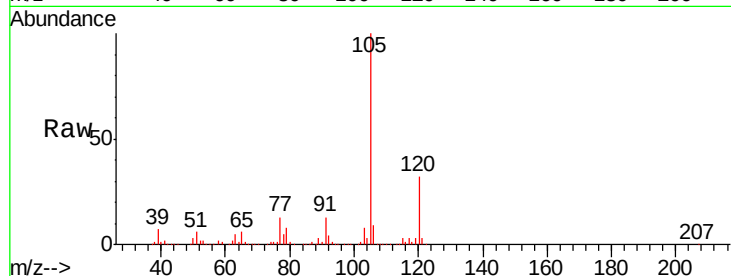
30428DL

Tgt Ion: 91 Resp: 235456

Ion Ratio Lower Upper

91 100

126 0.2 16.2 48.6#



#80

1,3,5-Trimethylbenzene

Concen: 40.652 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058413.D

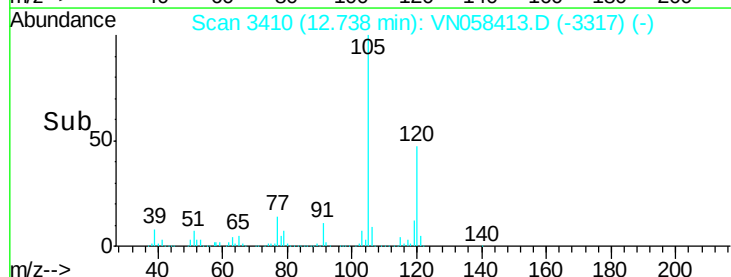
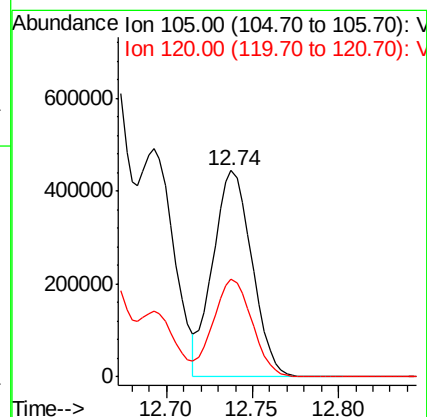
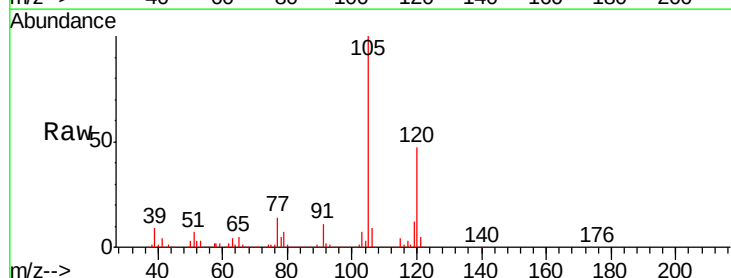
Acq: 27 Sep 2019 17:13

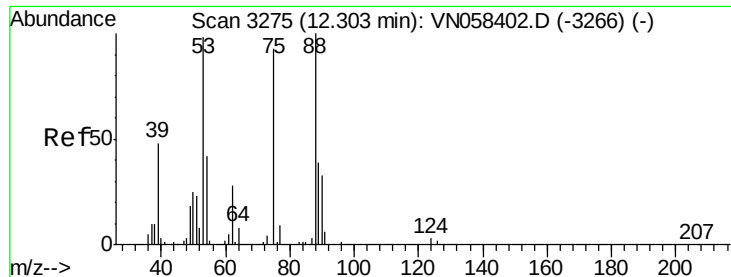
Tgt Ion: 105 Resp: 704418

Ion Ratio Lower Upper

105 100

120 47.2 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 106.436 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

30428DL

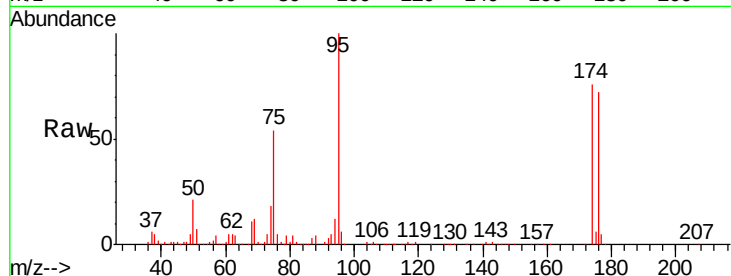
Tgt Ion: 75 Resp: 188798

Ion Ratio Lower Upper

75 100

53 0.3 85.4 128.0#

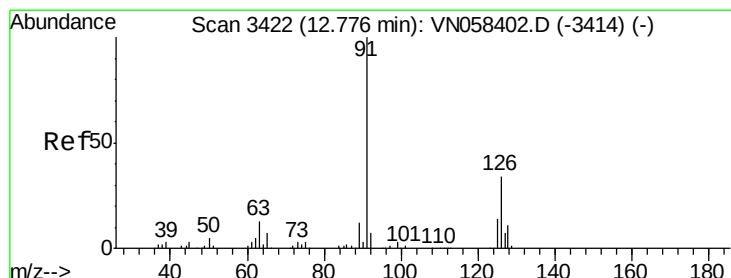
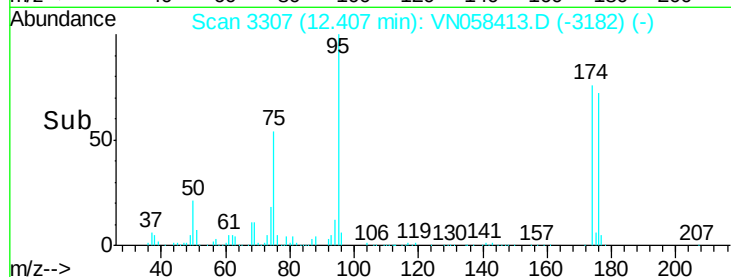
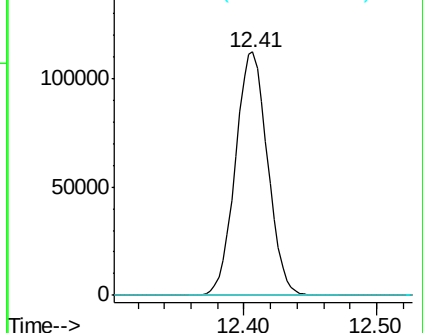
89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.191 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.04 min

Lab File: VN058413.D

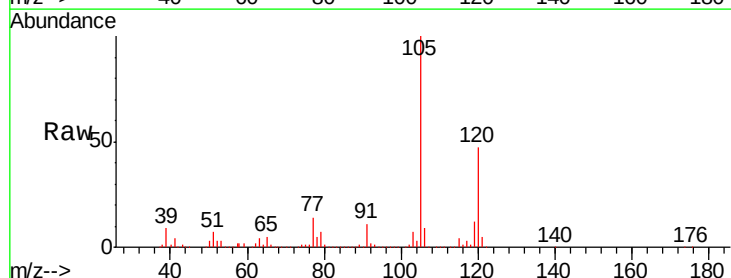
Acq: 27 Sep 2019 17:13

Tgt Ion: 91 Resp: 78876

Ion Ratio Lower Upper

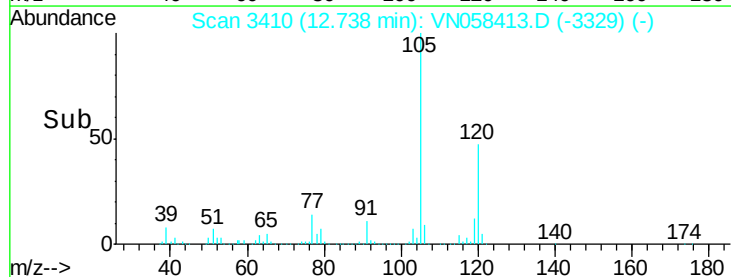
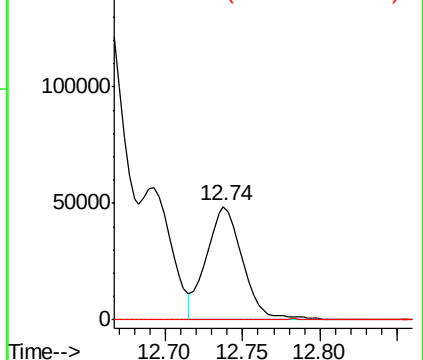
91 100

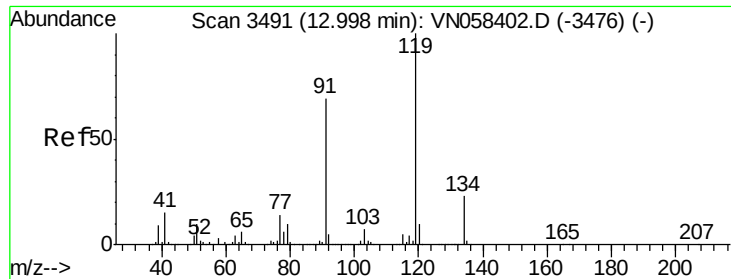
126 0.0 15.9 47.7#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

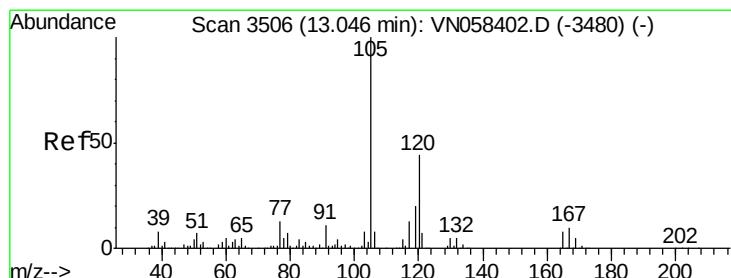
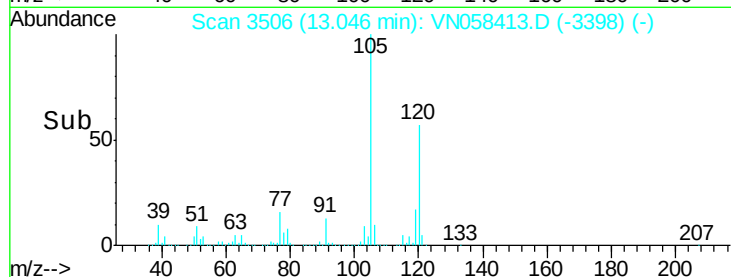
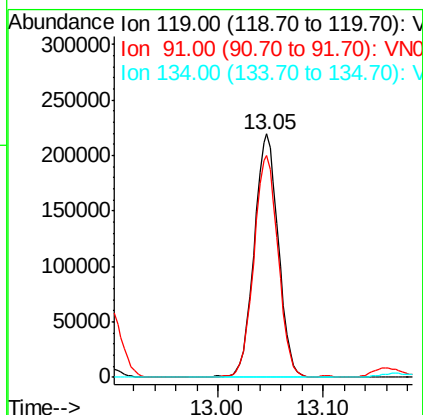
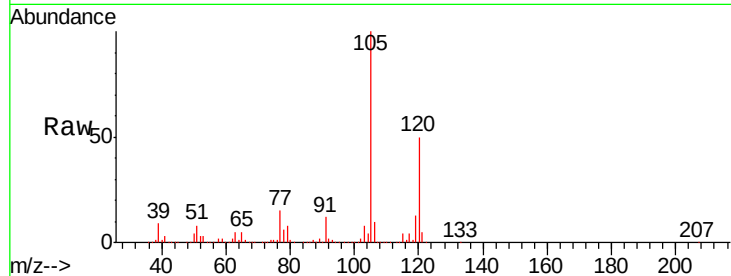




#83
 tert-Butylbenzene
 Concen: 22.870 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.05 min
 Lab File: VN058413.D
 Acq: 27 Sep 2019 17:13

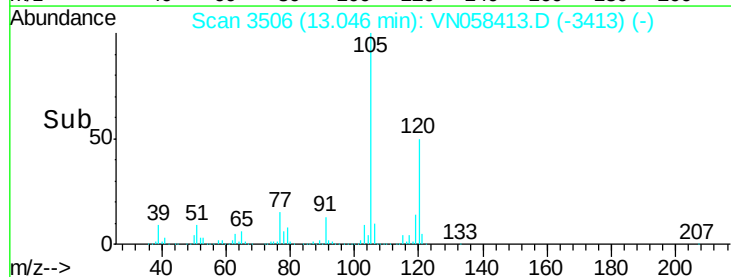
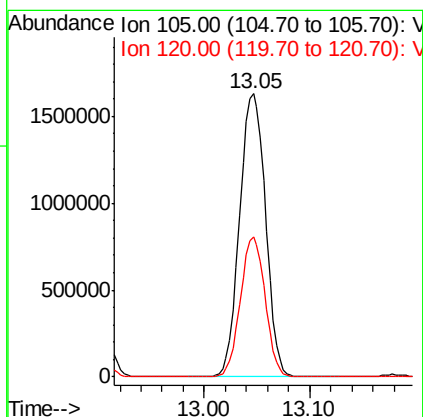
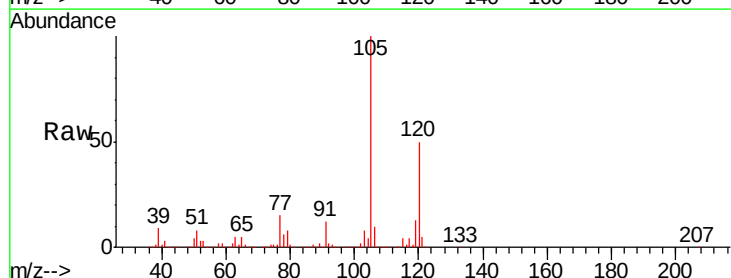
Instrument :
 MSVOA_N
 ClientSampleID :
 30428DL

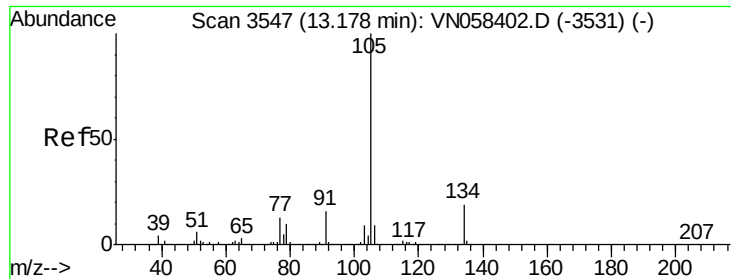
Tgt Ion:119 Resp: 350008
 Ion Ratio Lower Upper
 119 100
 91 91.8 34.2 102.6
 134 0.0 11.6 34.8#



#84
 1,2,4-Trimethylbenzene
 Concen: 161.215 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058413.D
 Acq: 27 Sep 2019 17:13

Tgt Ion:105 Resp: 2781567
 Ion Ratio Lower Upper
 105 100
 120 47.2 21.7 65.1





#85

sec-Butylbenzene

Concen: 138.992 ug/l

RT: 13.05 min Scan# 3506

Delta R.T. -0.13 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampled :

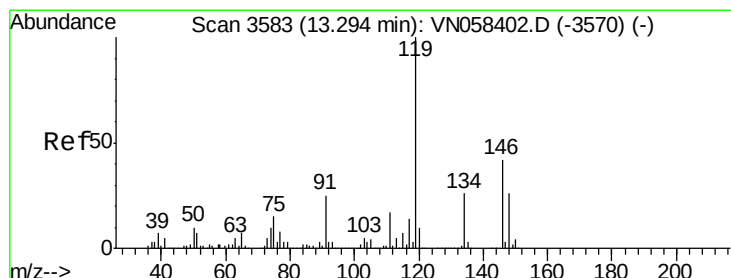
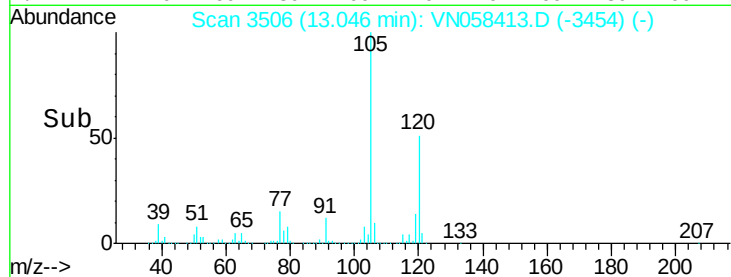
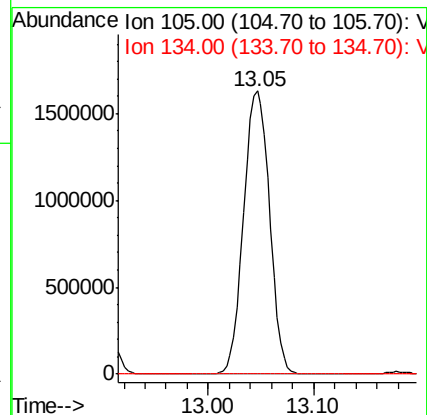
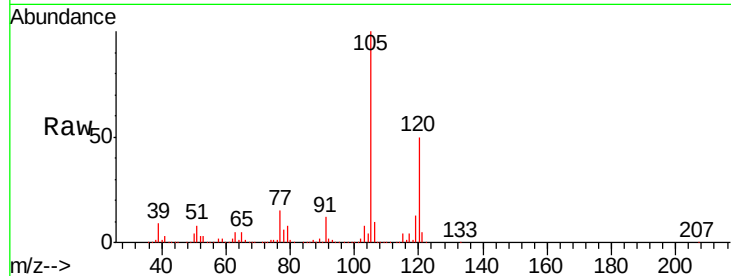
30428DL

Tgt Ion:105 Resp: 2781567

Ion Ratio Lower Upper

105 100

134 0.0 9.4 28.2#



#86

p-Isopropyltoluene

Concen: 2.282 ug/l

RT: 13.24 min Scan# 3566

Delta R.T. -0.05 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

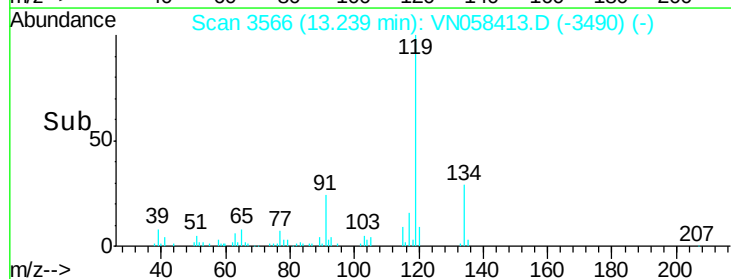
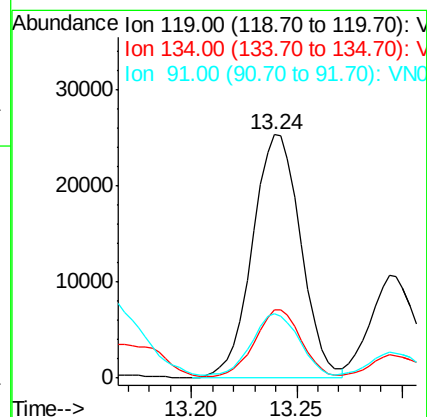
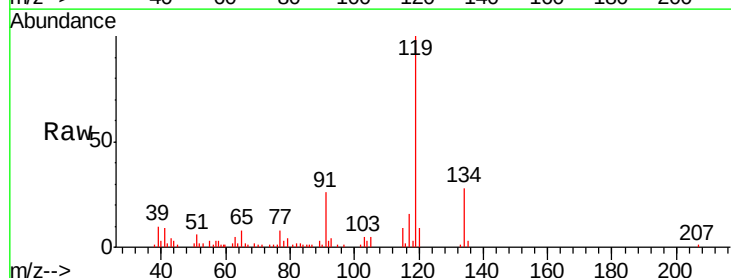
Tgt Ion:119 Resp: 40506

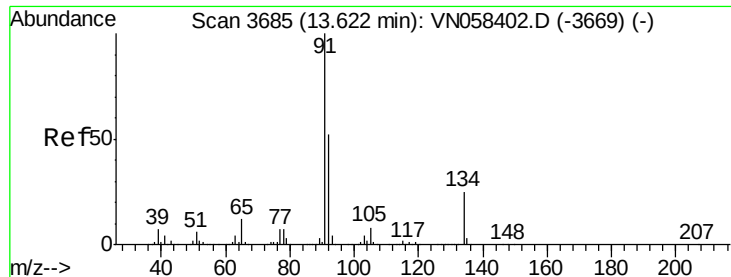
Ion Ratio Lower Upper

119 100

134 27.4 13.0 39.0

91 23.9 12.4 37.0

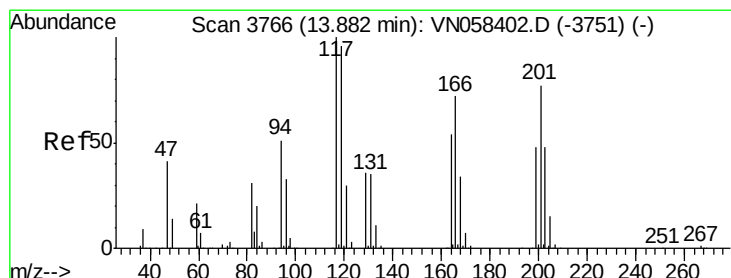
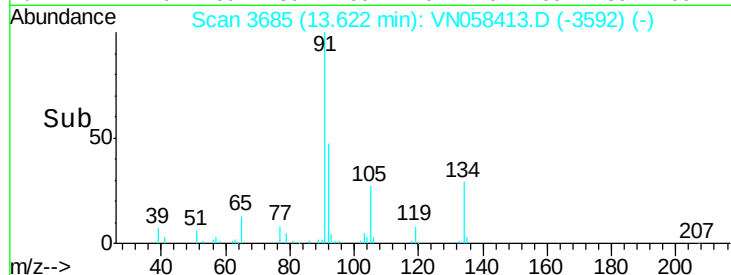
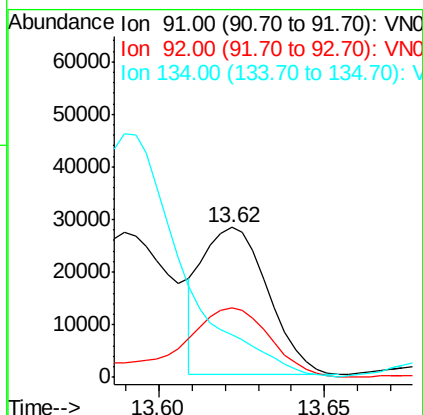
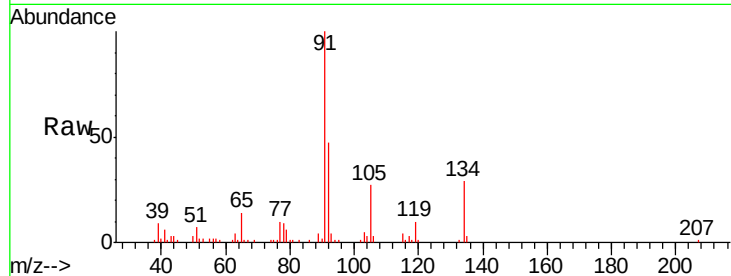




#89
n-Butylbenzene
Concen: 2.291 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

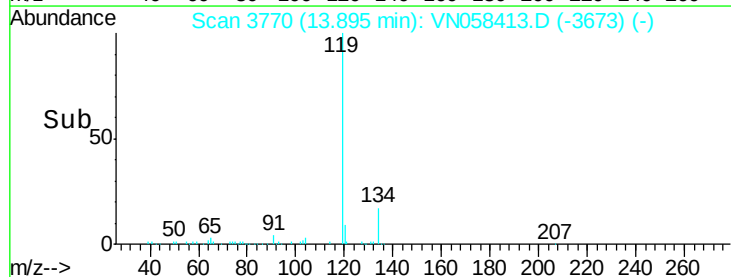
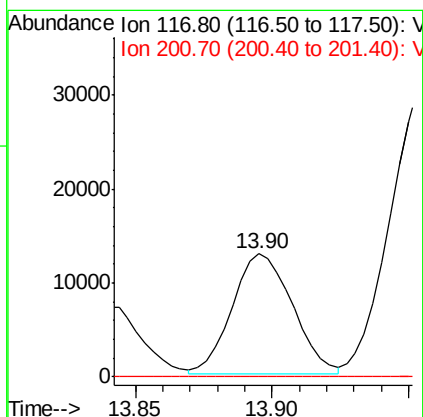
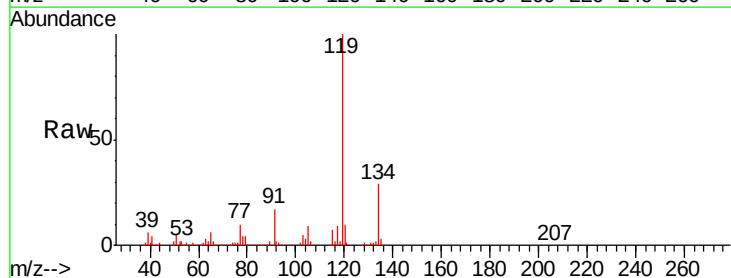
Instrument :
MSVOA_N
ClientSampled :
30428DL

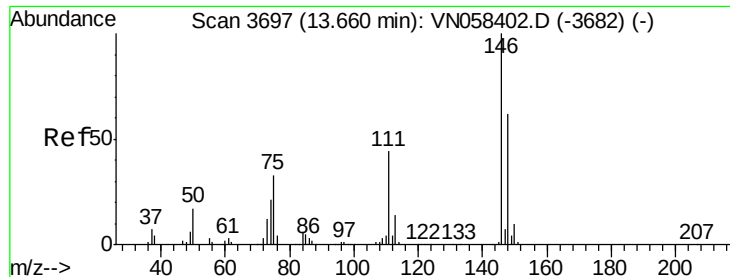
Tgt Ion: 91 Resp: 38027
Ion Ratio Lower Upper
91 100
92 66.4 25.7 77.1
134 0.0 12.2 36.6#



#90
Hexachloroethane
Concen: 7.094 ug/l
RT: 13.90 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN058413.D
Acq: 27 Sep 2019 17:13

Tgt Ion: 117 Resp: 19496
Ion Ratio Lower Upper
117 100
201 0.0 38.6 116.0#

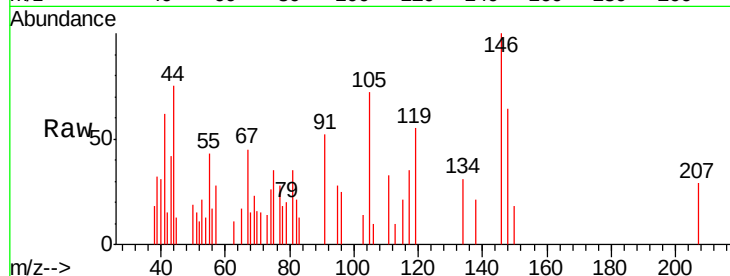




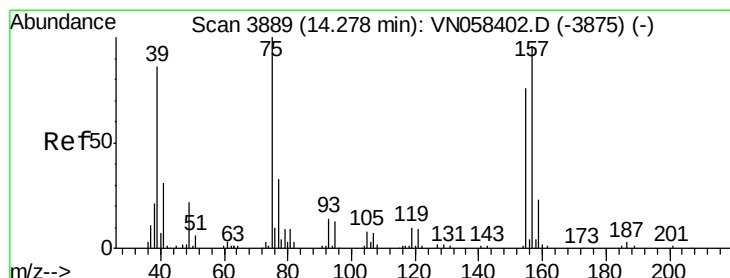
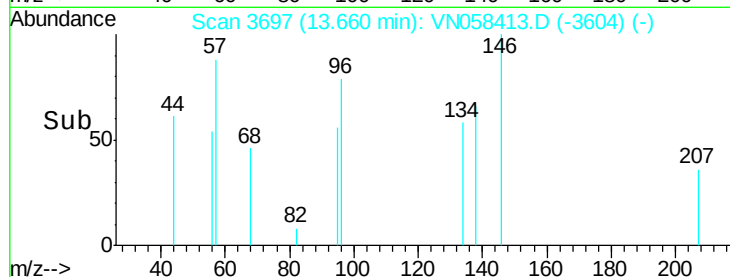
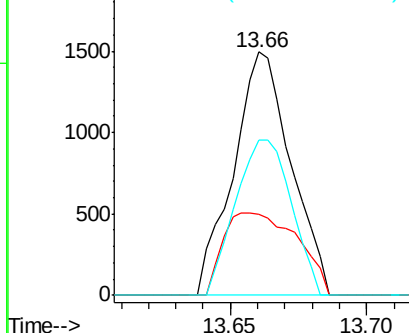
#91
 1,2-Dichlorobenzene
 Concen: 0.236 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058413.D
 Acq: 27 Sep 2019 17:13

Instrument :
 MSVOA_N
 ClientSampleId :
 30428DL

Tgt Ion:146 Resp: 2186
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.8 65.3
 148 62.1 31.5 94.5

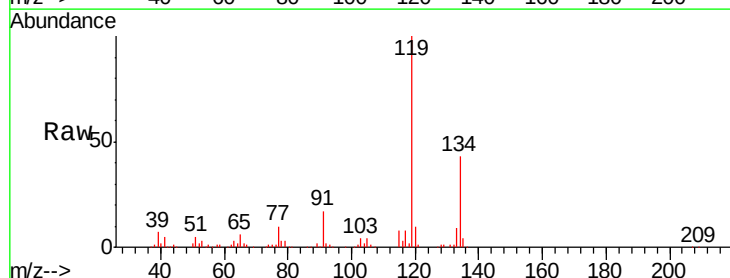


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

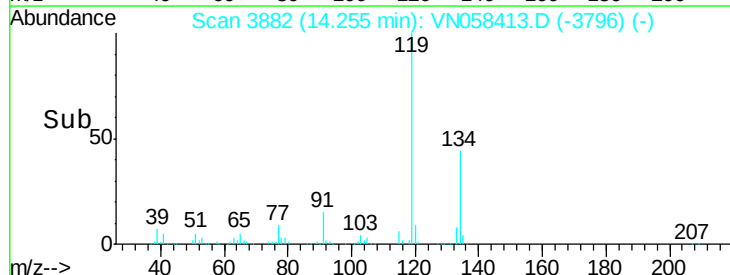
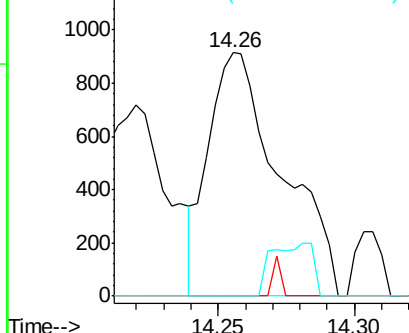


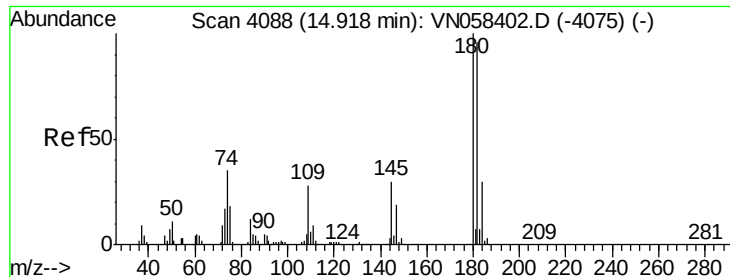
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.405 ug/l
 RT: 14.26 min Scan# 3882
 Delta R.T. -0.02 min
 Lab File: VN058413.D
 Acq: 27 Sep 2019 17:13

Tgt Ion: 75 Resp: 1693
 Ion Ratio Lower Upper
 75 100
 155 0.0 39.2 117.6#
 157 0.0 48.7 146.1#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 0.961 ug/l

RT: 14.92 min Scan# 4089

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

30428DL

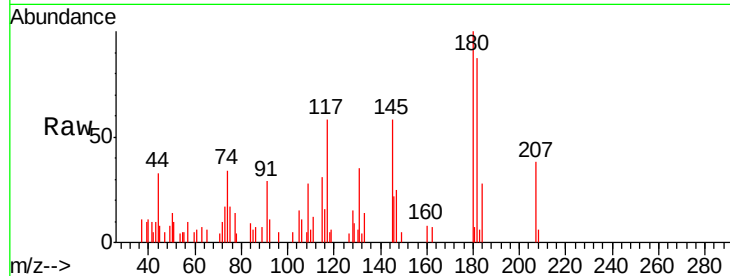
Tgt Ion:180 Resp: 5592

Ion Ratio Lower Upper

180 100

182 91.6 47.4 142.3

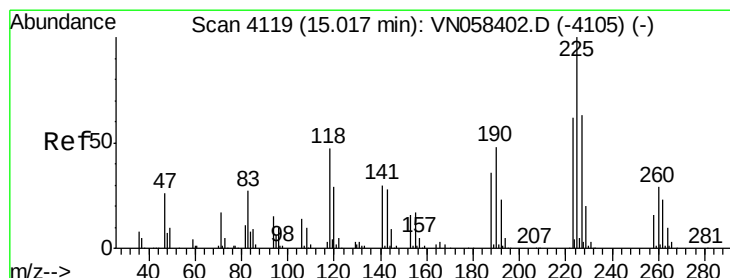
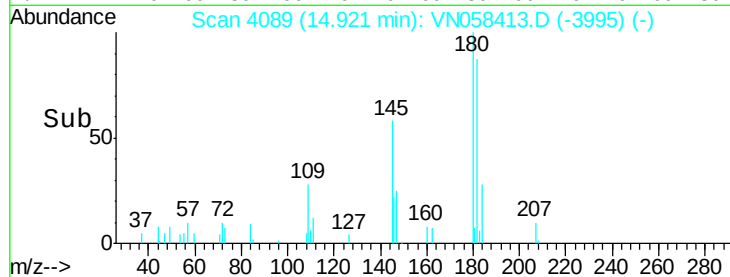
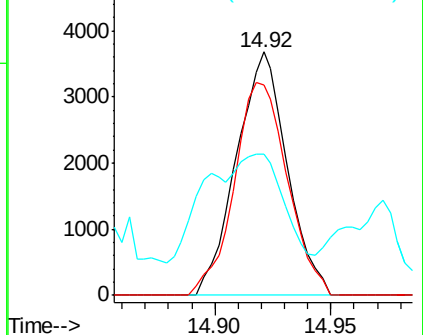
145 0.0 15.3 45.9#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 0.342 ug/l

RT: 15.02 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

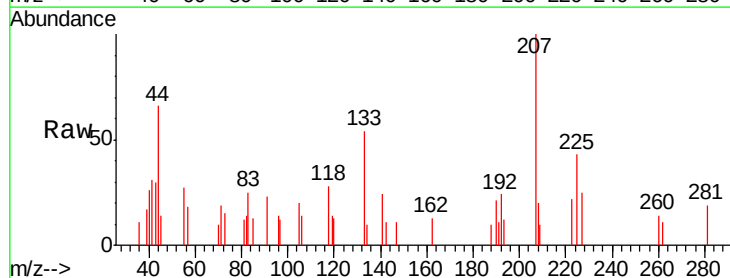
Tgt Ion:225 Resp: 964

Ion Ratio Lower Upper

225 100

223 30.0 31.1 93.5#

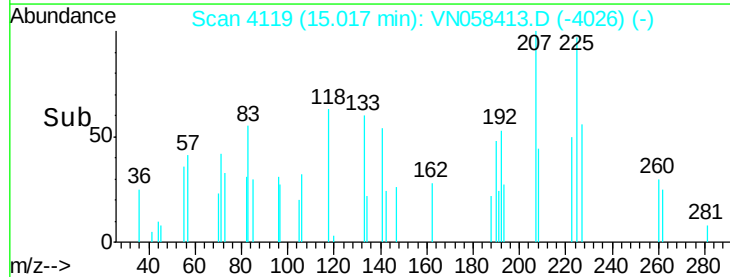
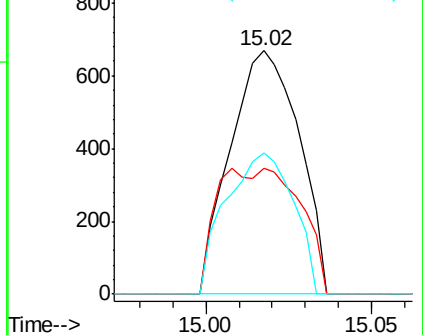
227 56.8 31.4 94.2

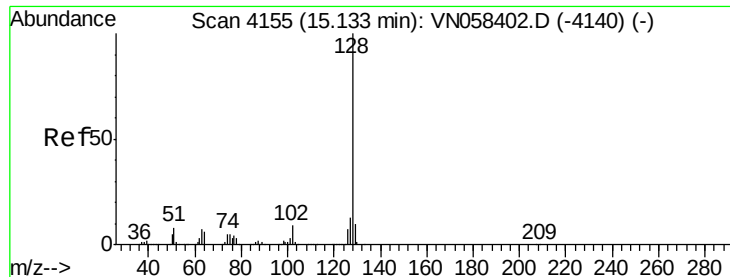


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 29.443 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

Instrument :

MSVOA_N

ClientSampleId :

30428DL

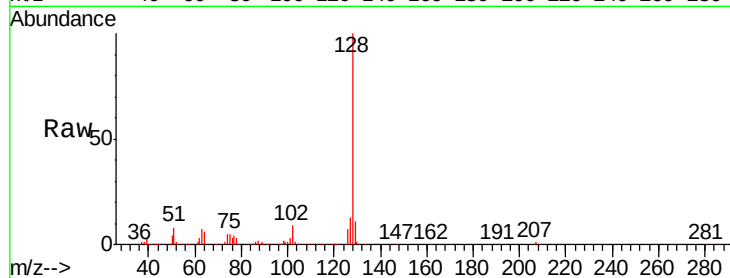
Tgt Ion:128 Resp: 442817

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

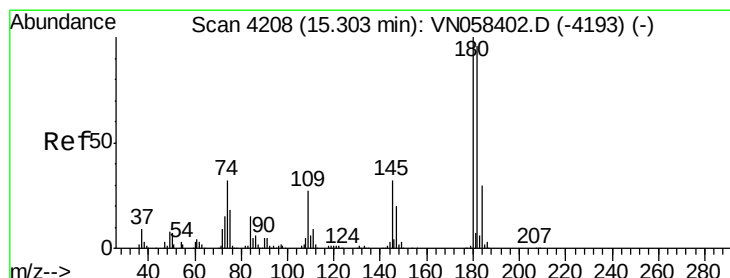
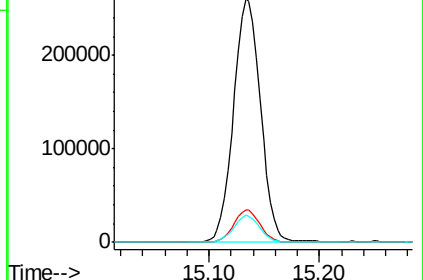
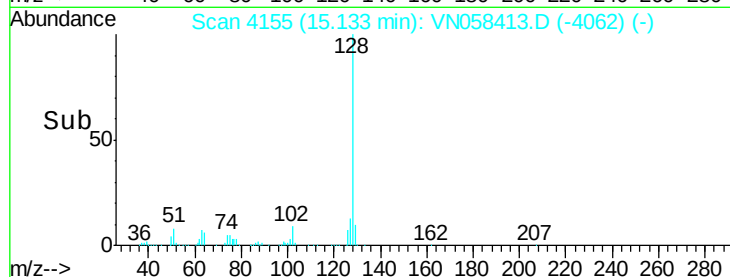
129 10.7 8.3 12.5



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



#96

1,2,3-Trichlorobenzene

Concen: 1.208 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058413.D

Acq: 27 Sep 2019 17:13

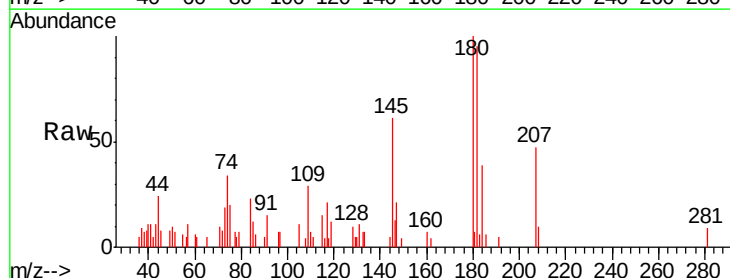
Tgt Ion:180 Resp: 6599

Ion Ratio Lower Upper

180 100

182 92.8 48.3 144.9

145 85.5 16.1 48.3#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

