

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN110819\
 Data File : VN059135.D
 Acq On : 8 Nov 2019 15:53
 Operator : JC/SP
 Sample : K5742-05ME 10X
 Misc : 6.36g/5mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-22-(14-15)MEDL

Quant Time: Nov 11 00:57:00 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	462548	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	709437	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	631130	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	284240	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	277329	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
35) Dibromofluoromethane	7.56	113	214121	50.55	ug/l	0.00
Spiked Amount			Recovery	=	101.10%	
50) Toluene-d8	10.08	98	963495	57.74	ug/l	0.00
Spiked Amount			Recovery	=	115.48%	
62) 4-Bromofluorobenzene	12.40	95	318360	52.92	ug/l	0.00
Spiked Amount			Recovery	=	105.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.71	59	358	0.330	ug/l #	72
13) Acrolein	3.58	56	335	0.600	ug/l #	14
14) Allyl chloride	4.56	41	161025	18.168	ug/l #	65
15) Acrylonitrile	5.01	53	9368	3.474	ug/l #	33
16) Acetone	3.77	43	14520	4.911	ug/l #	54
18) Methyl Acetate	4.56	43	411322	58.608	ug/l #	53
20) Methylene Chloride	4.52	84	1473	0.286	ug/l #	12
25) 2-Butanone	6.79	43	8774	2.252	ug/l #	50
29) Tetrahydrofuran	7.18	42	629	0.254	ug/l #	35
30) Chloroform	7.29	83	5250	0.585	ug/l #	18
31) Cyclohexane	7.61	56	345543	39.036	ug/l #	72
36) 1,1-Dichloropropene	7.64	75	35323	5.327	ug/l #	49
38) Carbon Tetrachloride	7.64	117	44766	6.783	ug/l #	16
39) Methylcyclohexane	9.06	83	1054554	137.025	ug/l	100
40) Benzene	8.01	78	6173	0.309	ug/l	93
41) Methacrylonitrile	7.17	41	1035	0.323	ug/l #	100
43) Isopropyl Acetate	8.12	43	69583	5.917	ug/l #	55
47) Bromodichloromethane	9.35	83	13783	2.042	ug/l #	45
48) Methyl methacrylate	9.12	41	66625	12.665	ug/l #	43
51) 4-Methyl-2-Pentanone	10.07	43	48157	7.237	ug/l #	66
55) 1,1,2-Trichloroethane	10.52	97	180133	37.188	ug/l #	18
56) Ethyl methacrylate	10.42	69	57338	8.704	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.65	63	834	0.309	ug/l #	50
59) 2-Hexanone	10.71	43	196029	38.379	ug/l #	30
67) Ethyl Benzene	11.51	91	418505	19.172	ug/l	99
68) m/p-Xylenes	11.61	106	536594	65.624	ug/l	100
69) o-Xylene	11.94	106	12504	1.582	ug/l	86
73) Isopropylbenzene	12.25	105	68914	3.333	ug/l	99
74) N-amyl acetate	12.04	43	65588	7.486	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.56	83	4805	0.682	ug/l #	25
76) 1,2,3-Trichloropropane	12.65	75	9732	1.504	ug/l #	100
78) n-propylbenzene	12.59	91	367614	15.528	ug/l	100
79) 2-Chlorotoluene	12.65	91	151625	10.324	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	739738	42.223	ug/l	99

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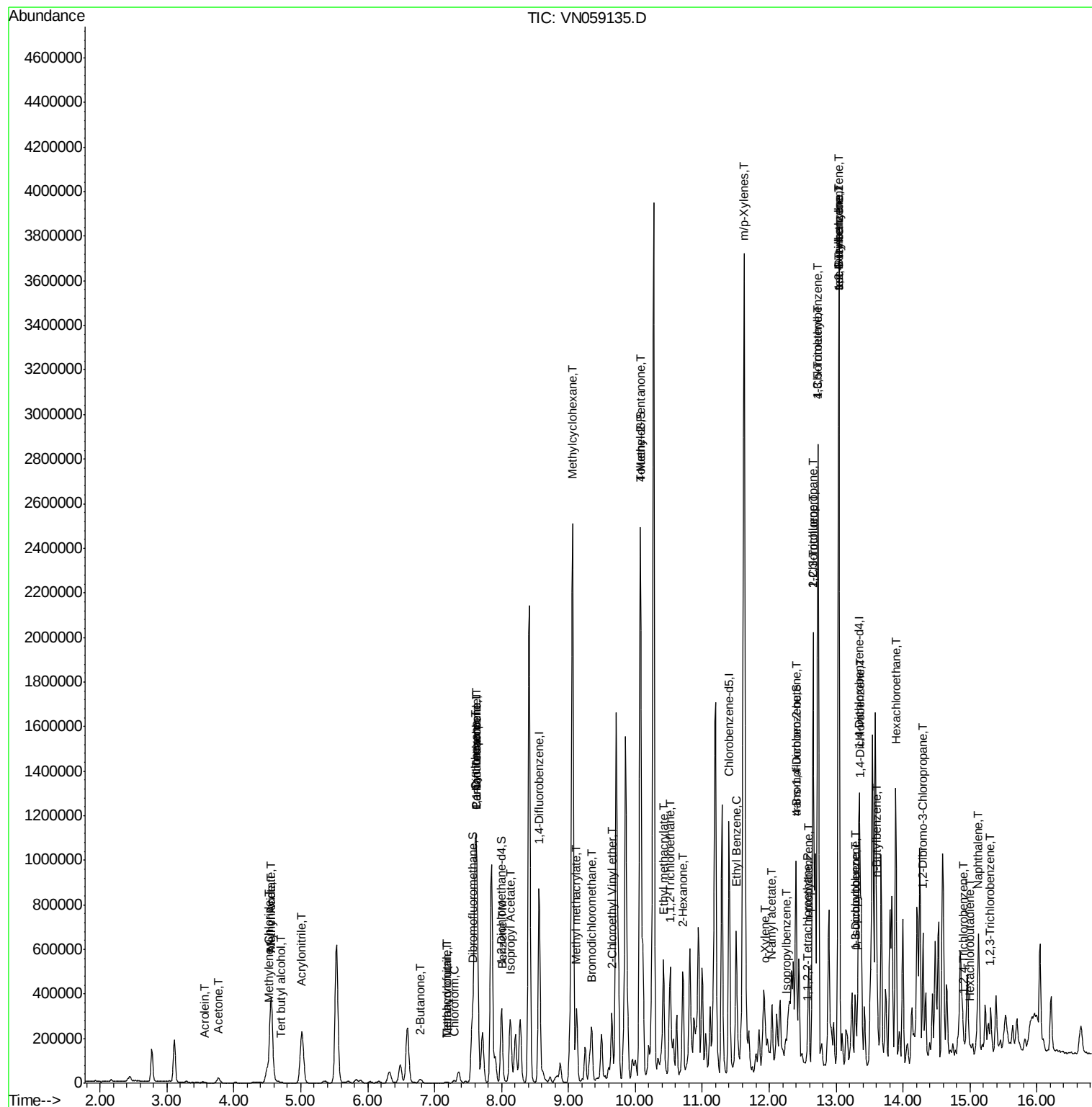
81) trans-1,4-Dichloro-2-buten	12.40	75	154515	63.067	ug/l #	13
82) 4-Chlorotoluene	12.73	91	71240	4.836	ug/l #	45
83) tert-Butylbenzene	13.04	119	260198	17.198	ug/l #	73
84) 1,2,4-Trimethylbenzene	13.04	105	2114008	124.719	ug/l	100
85) sec-Butylbenzene	13.04	105	2114008	107.437	ug/l #	57
86) p-Isopropyltoluene	13.29	119	40102	2.308	ug/l	96
87) 1,3-Dichlorobenzene	13.28	146	2033	0.229	ug/l #	24
88) 1,4-Dichlorobenzene	13.36	146	1995	0.224	ug/l #	1
89) n-Butylbenzene	13.61	91	165726	10.898	ug/l #	73
90) Hexachloroethane	13.89	117	55453	15.895	ug/l #	8
92) 1,2-Dibromo-3-Chloropropan	14.30	75	1788	1.298	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	4902	3.913	ug/l #	40
94) Hexachlorobutadiene	15.01	225	737	0.244	ug/l	74
95) Naphthalene	15.13	128	393434	28.129	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	5549	1.132	ug/l #	25

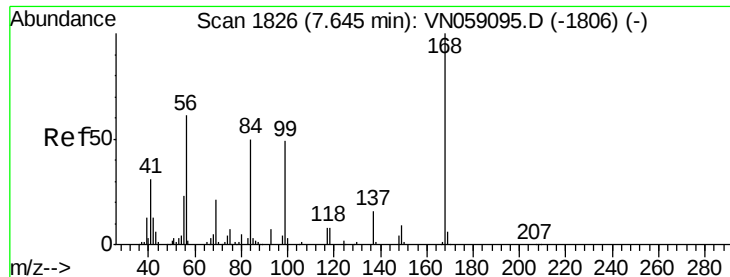
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.01 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

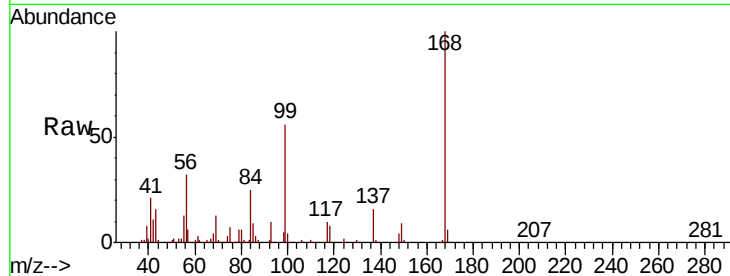
SB-22-(14-15)MEDL

Tot Ion:168 Resp: 462548

Ion Ratio Lower Upper

168 100

99 56.2 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.64

200000

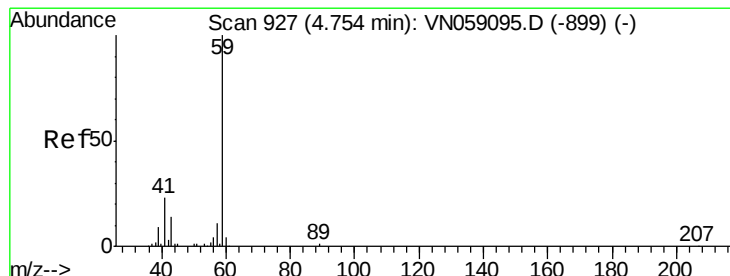
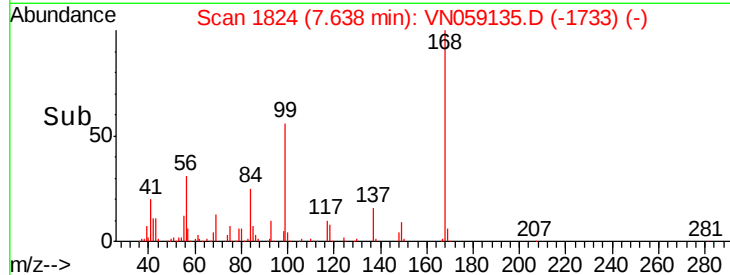
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 0.330 ug/l

RT: 4.71 min Scan# 913

Delta R.T. -0.05 min

Lab File: VN059135.D

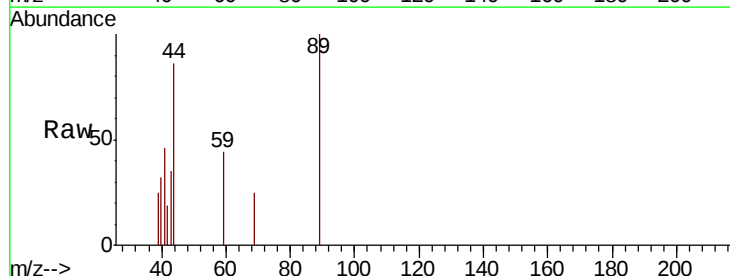
Acq: 8 Nov 2019 15:53

Tgt Ion: 59 Resp: 358

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



Abundance Ion 59.00 (58.70 to 59.70): VN

Ion 57.00 (56.70 to 57.70): VN

4.71

400

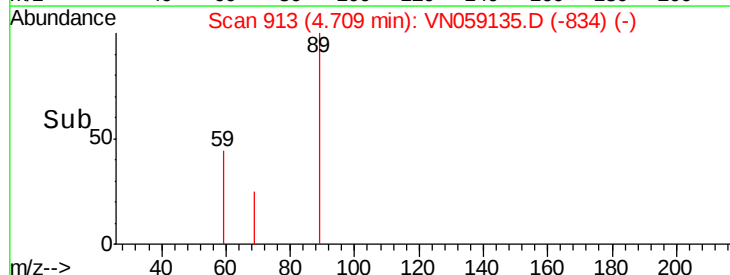
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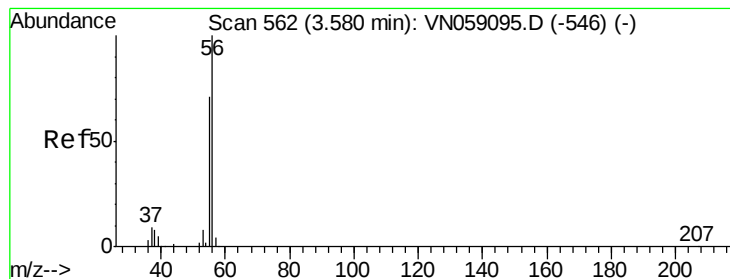
200

100

0

Time-->





#13

Acrolein

Concen: 0.600 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

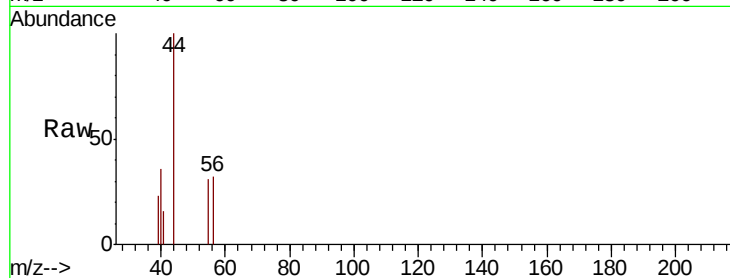
SB-22-(14-15)MEDL

Tot Ion: 56 Resp: 335

Ion Ratio Lower Upper

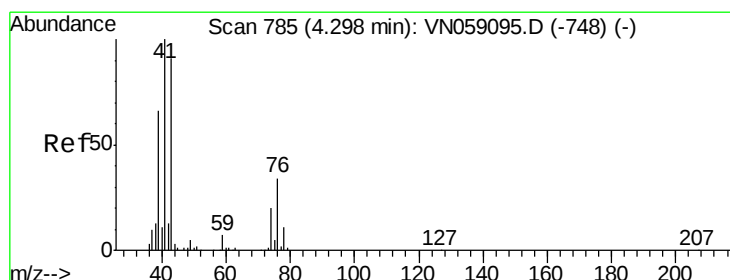
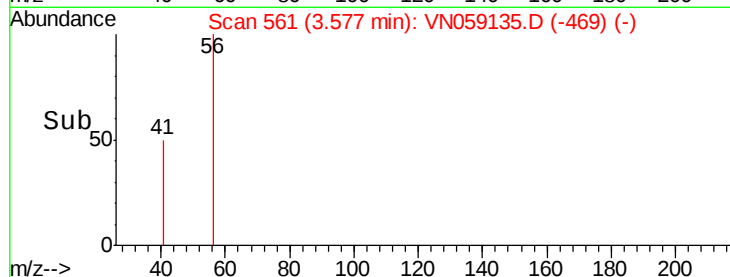
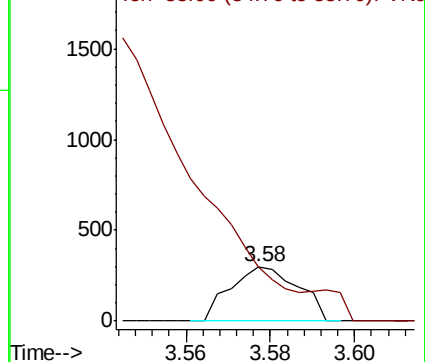
56 100

55 0.0 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.168 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.26 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

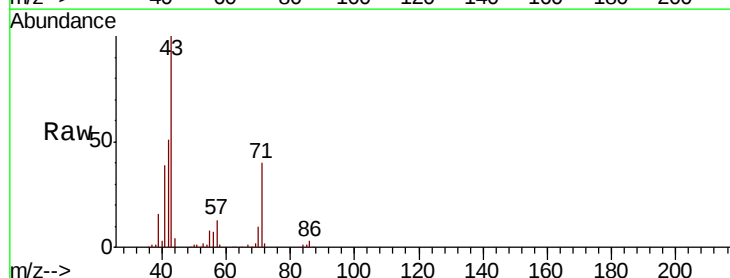
Tgt Ion: 41 Resp: 161025

Ion Ratio Lower Upper

41 100

39 43.1 49.1 73.7#

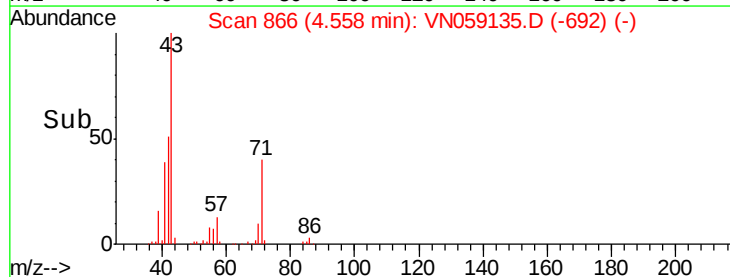
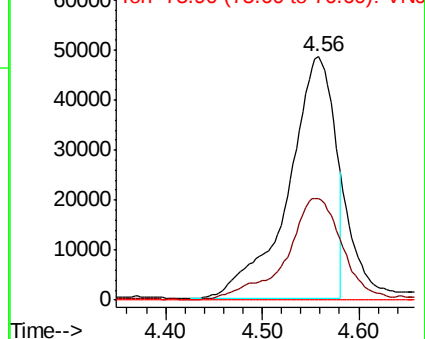
76 0.0 24.9 37.3#

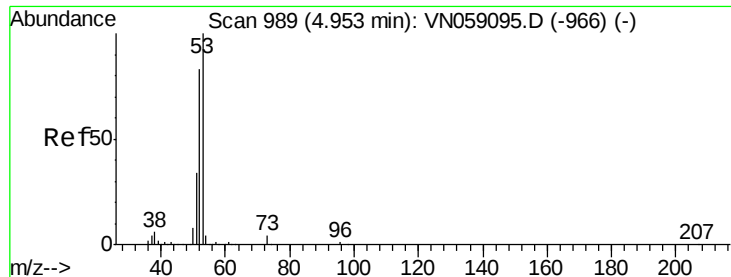


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 3.474 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.06 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

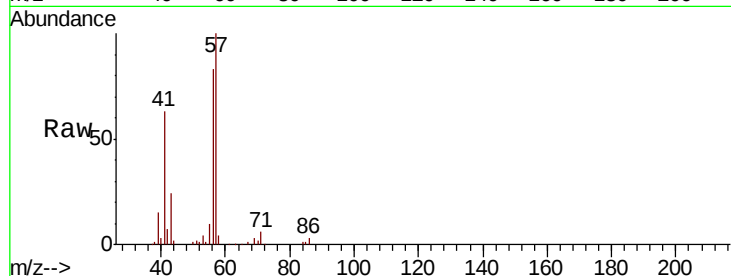
Tot Ion: 53 Resp: 9368

Ion Ratio Lower Upper

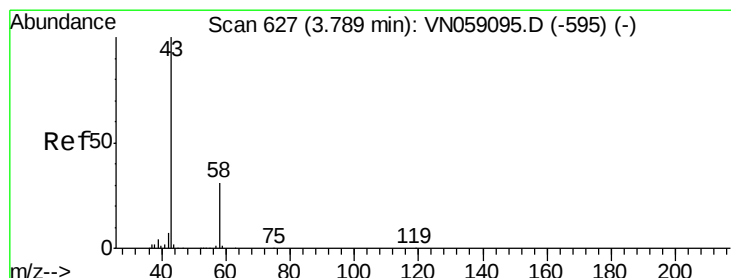
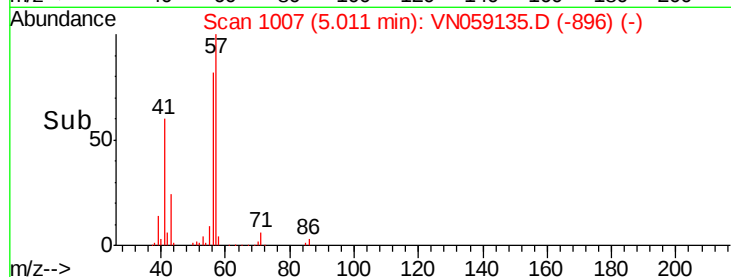
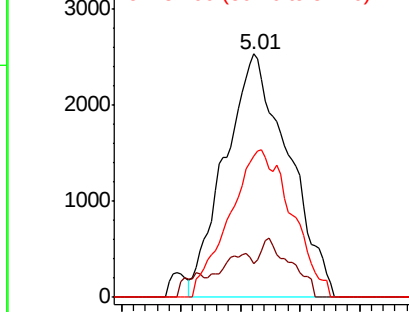
53 100

52 12.0 65.0 97.6#

51 59.4 28.0 42.0#



Abundance Ion 53.00 (52.70 to 53.70): VNO
Ion 52.00 (51.70 to 52.70): VNO
Ion 51.00 (50.70 to 51.70): VNO



#16

Acetone

Concen: 4.911 ug/l

RT: 3.77 min Scan# 620

Delta R.T. -0.02 min

Lab File: VN059135.D

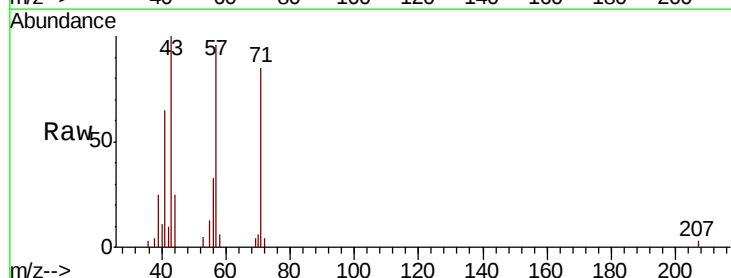
Acq: 8 Nov 2019 15:53

Tgt Ion: 43 Resp: 14520

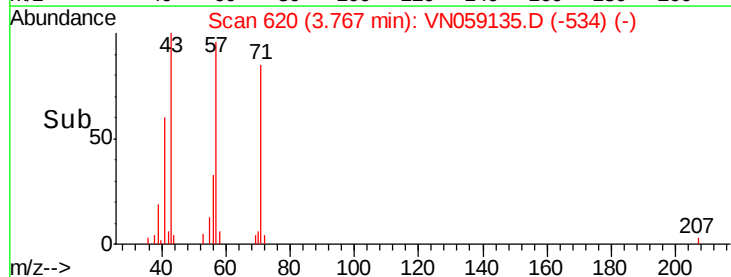
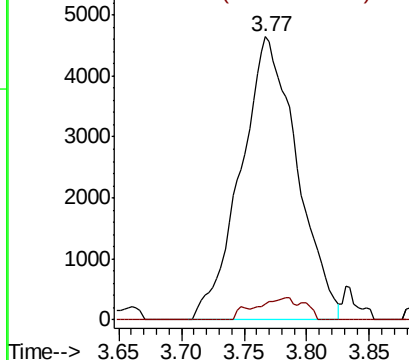
Ion Ratio Lower Upper

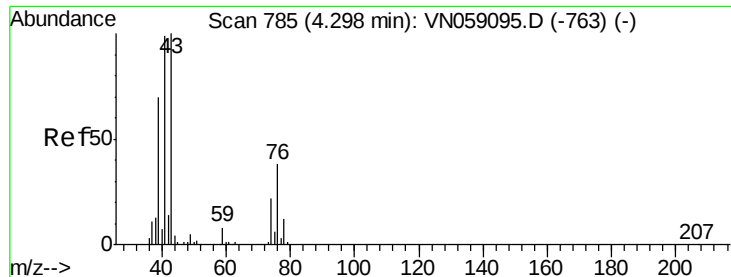
43 100

58 5.5 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 58.00 (57.70 to 58.70): VNO

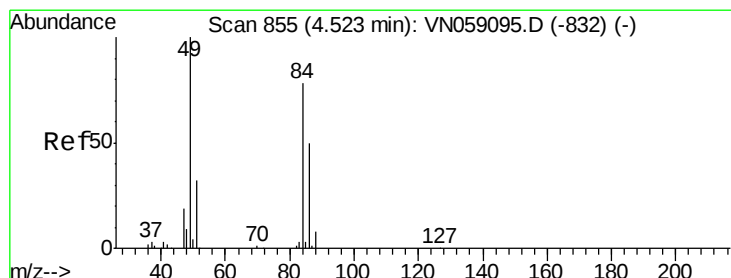
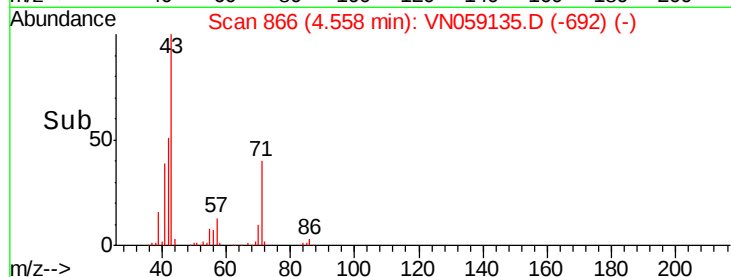
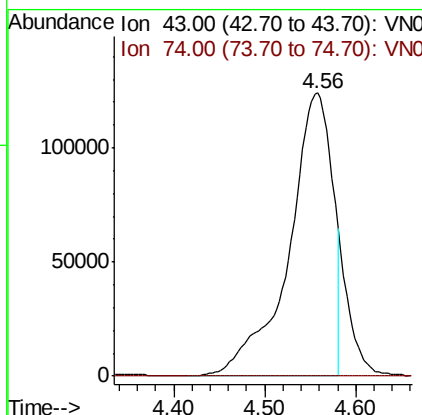
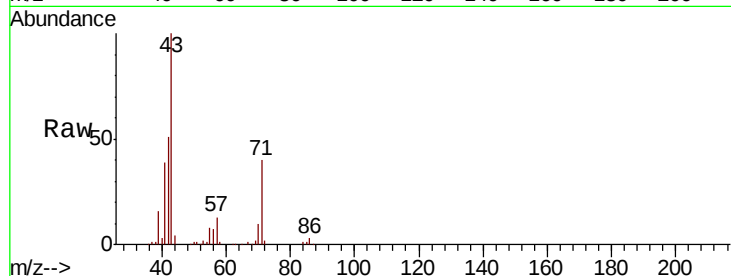




#18
Methyl Acetate
Concen: 58.608 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.26 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

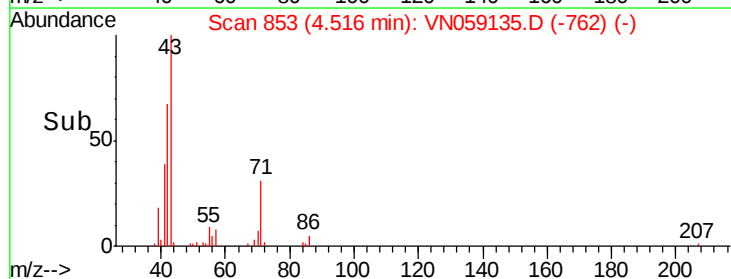
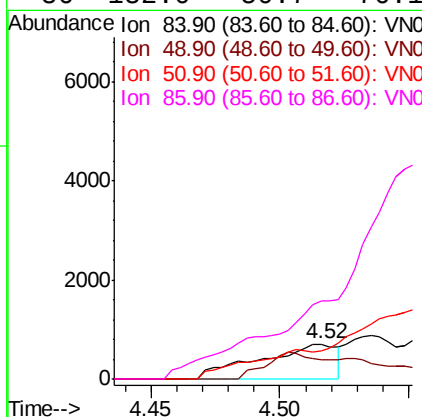
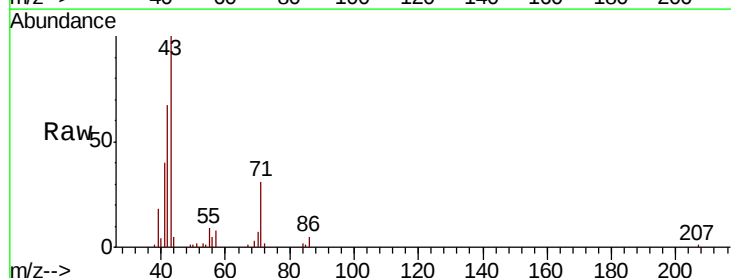
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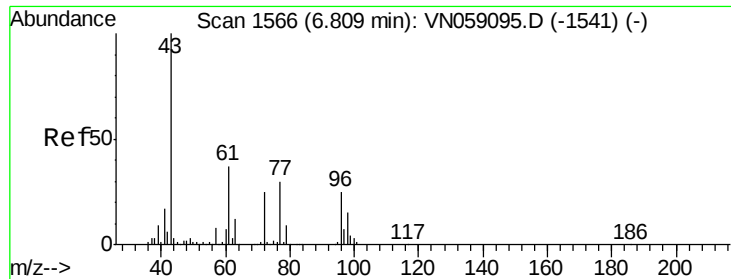
Tot Ion: 43 Resp: 411322
Ion Ratio Lower Upper
43 100
74 0.0 17.8 26.8#



#20
Methylene Chloride
Concen: 0.286 ug/l
RT: 4.52 min Scan# 853
Delta R.T. -0.01 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion: 84 Resp: 1473
Ion Ratio Lower Upper
84 100
49 54.7 102.0 153.0#
51 80.4 32.2 48.2#
86 182.0 50.7 76.1#





#25

2-Butanone

Concen: 2.252 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.02 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

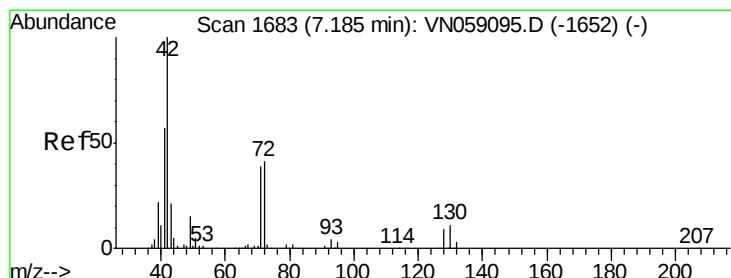
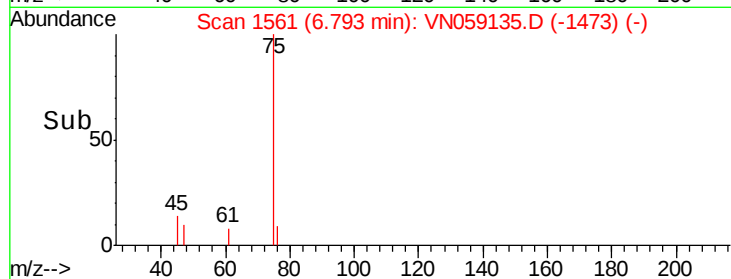
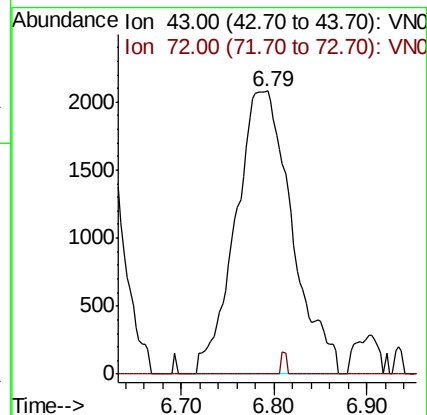
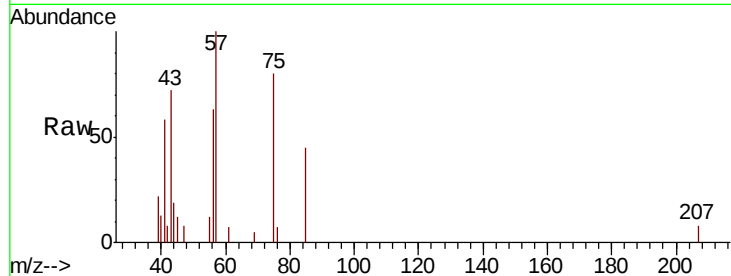
SB-22-(14-15)MEDL

Tot Ion: 43 Resp: 8774

Ion Ratio Lower Upper

43 100

72 0.0 20.3 30.5#



#29

Tetrahydrofuran

Concen: 0.254 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

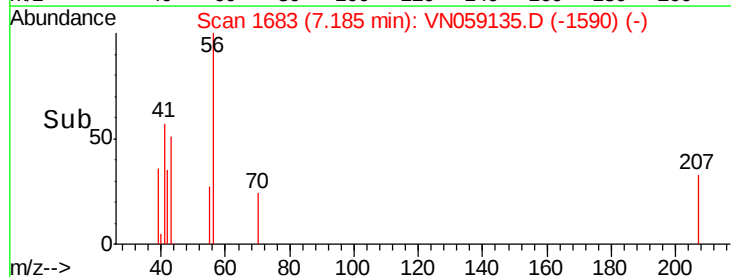
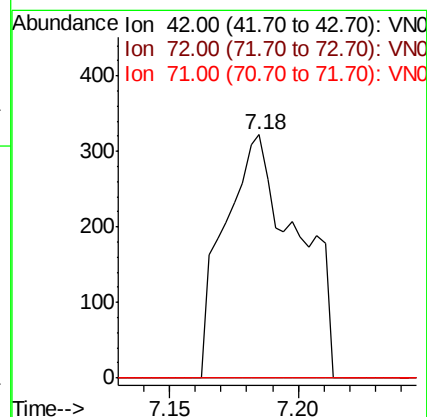
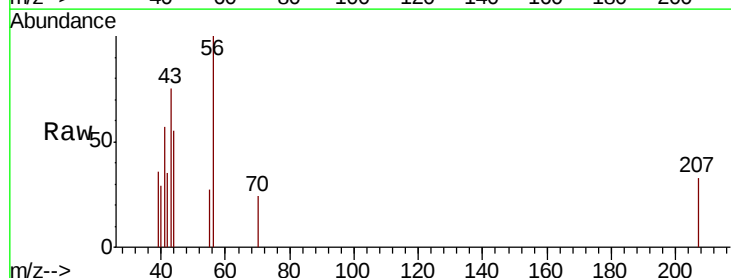
Tgt Ion: 42 Resp: 629

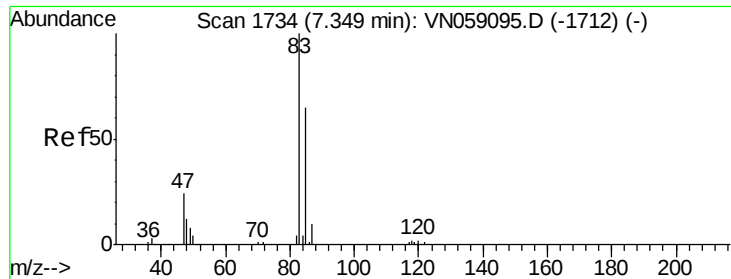
Ion Ratio Lower Upper

42 100

72 0.0 33.1 49.7#

71 0.0 30.9 46.3#

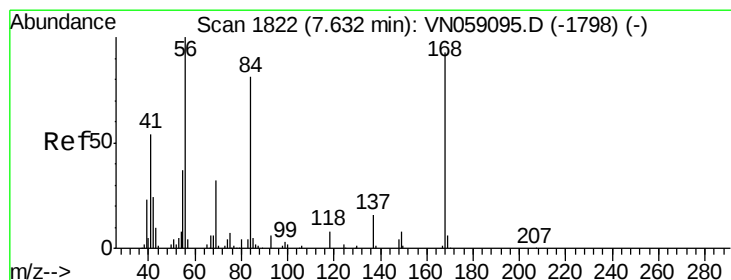
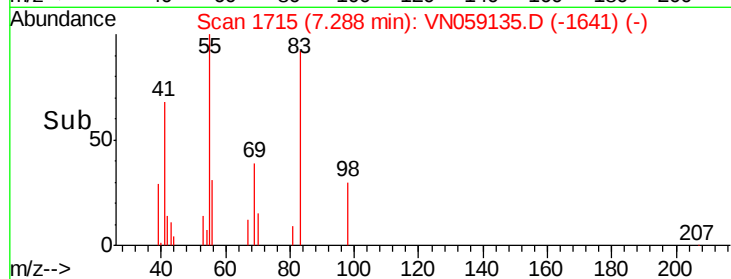
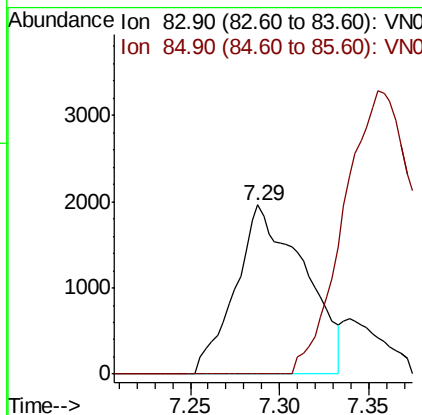
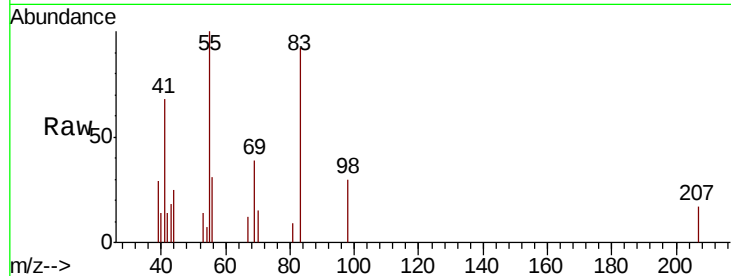




#30
Chloroform
Concen: 0.585 ug/l
RT: 7.29 min Scan# 1715
Delta R.T. -0.06 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

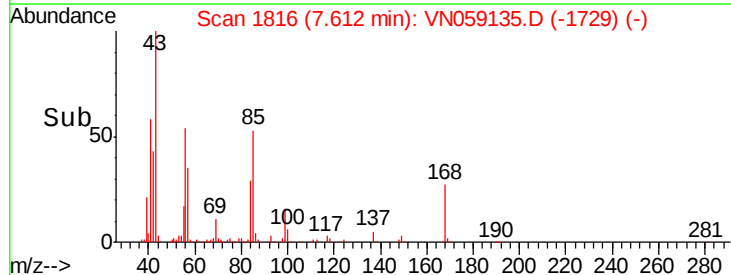
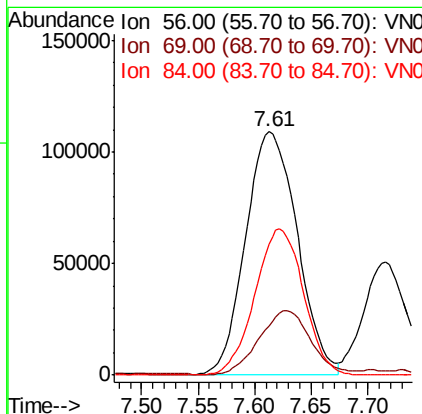
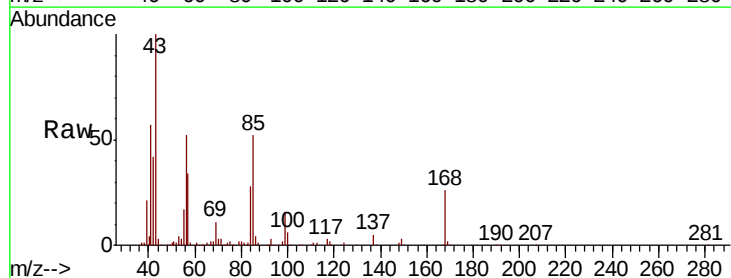
Instrument :
MSVOA_N
ClientSampleId :
SB-22-(14-15)MEDL

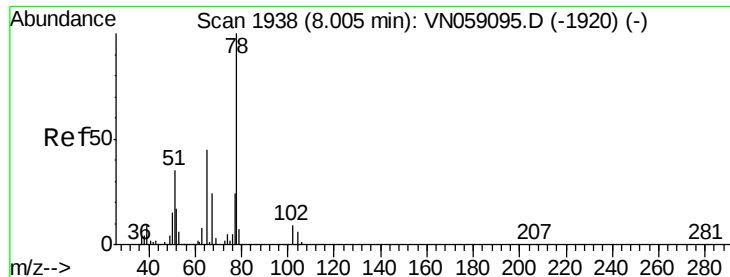
Tot Ion: 83 Resp: 5250
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.8#



#31
Cyclohexane
Concen: 39.036 ug/l
RT: 7.61 min Scan# 1816
Delta R.T. -0.02 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion: 56 Resp: 345543
Ion Ratio Lower Upper
56 100
69 19.8 25.8 38.8#
84 53.7 65.0 97.4#

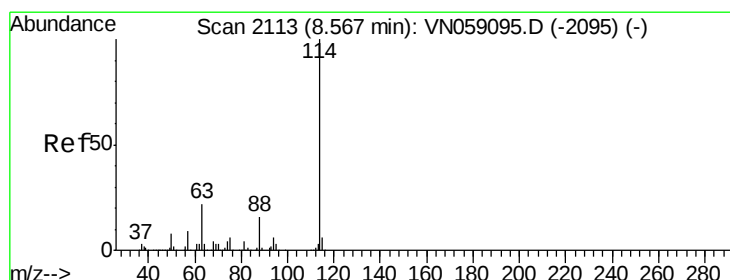
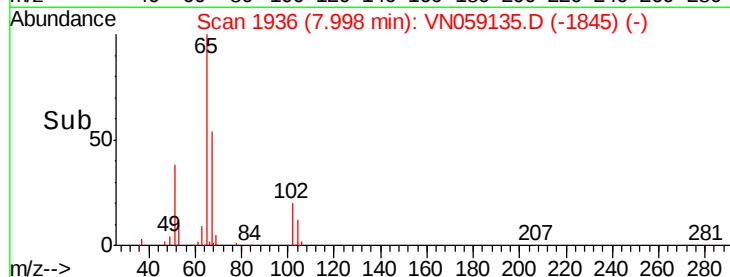
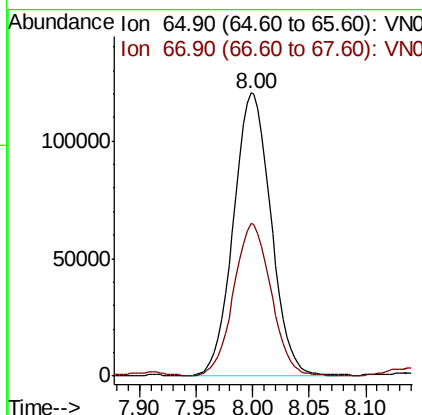
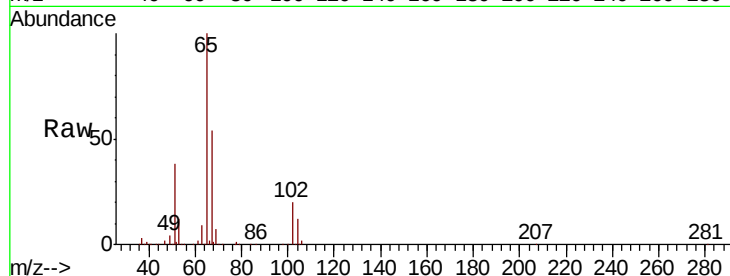




#33
 1,2-Dichloroethane-d4
 Concen: 48.775 ug/l
 RT: 8.00 min Scan# 1936
 Delta R.T. -0.01 min
 Lab File: VN059135.D
 Acq: 8 Nov 2019 15:53

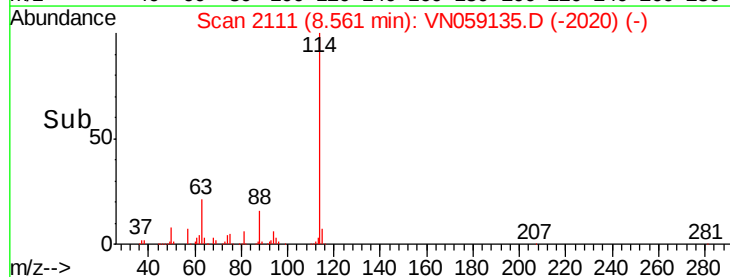
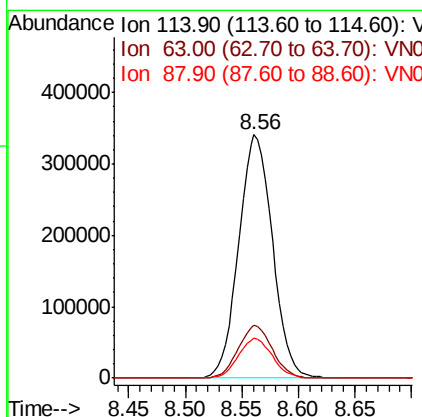
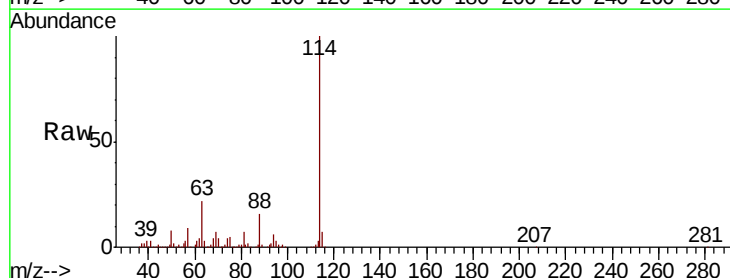
Instrument :
 MSVOA_N
 ClientSampleId :
 SB-22-(14-15)MEDL

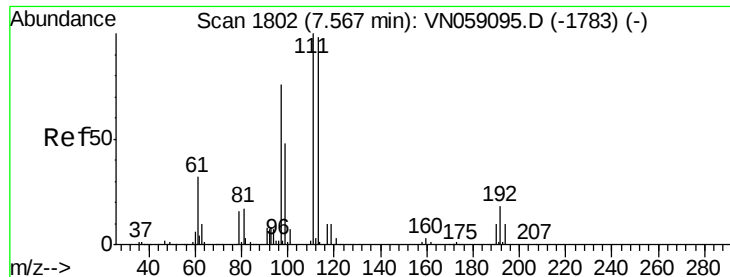
Tot Ion: 65 Resp: 277329
 Ion Ratio Lower Upper
 65 100
 67 53.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.01 min
 Lab File: VN059135.D
 Acq: 8 Nov 2019 15:53

Tgt Ion: 114 Resp: 709437
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.4
 88 16.3 0.0 32.2





#35

Dibromofluoromethane

Concen: 50.548 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.01 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

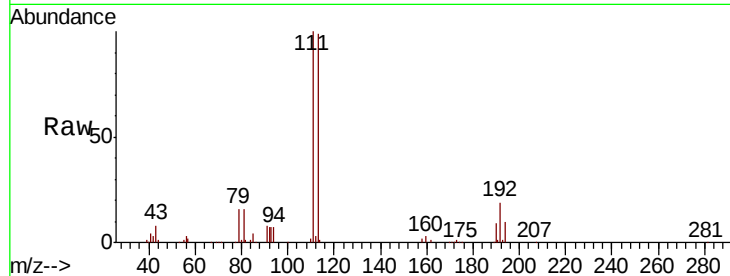
Tot Ion:113 Resp: 214121

Ion Ratio Lower Upper

113 100

111 100.8 82.8 124.2

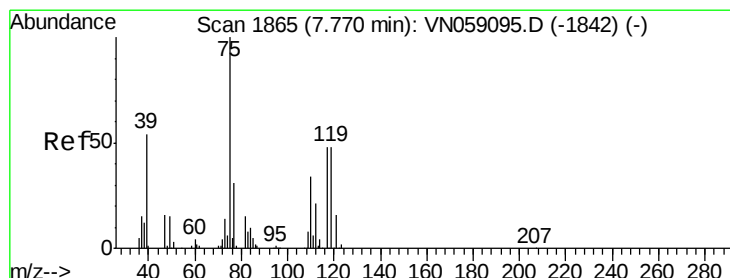
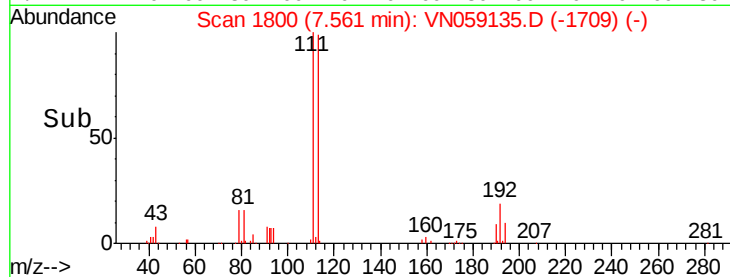
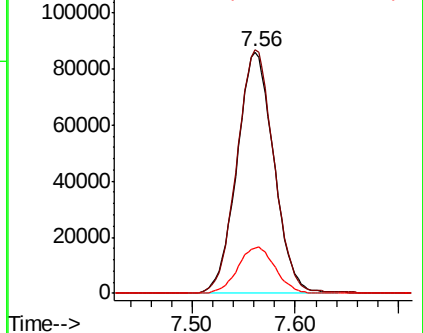
192 19.4 16.1 24.1



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: 5.327 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.13 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

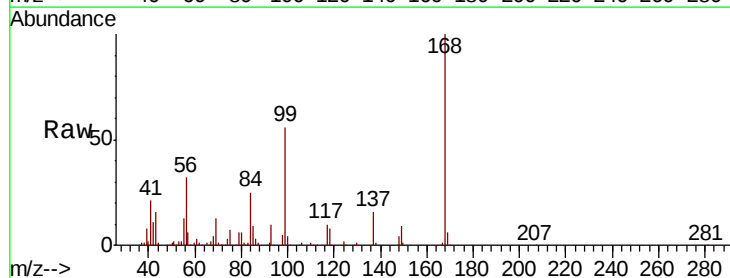
Tgt Ion: 75 Resp: 35323

Ion Ratio Lower Upper

75 100

110 7.9 17.1 51.2#

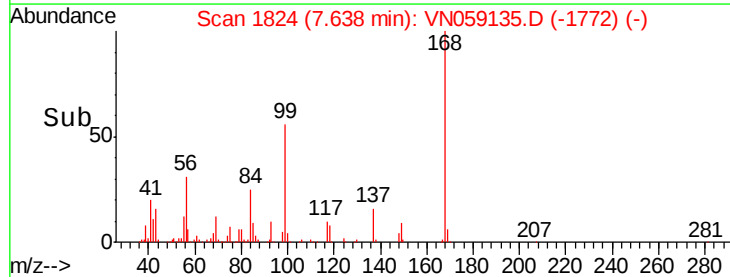
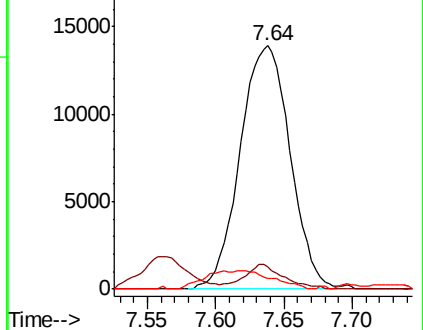
77 0.0 24.8 37.2#

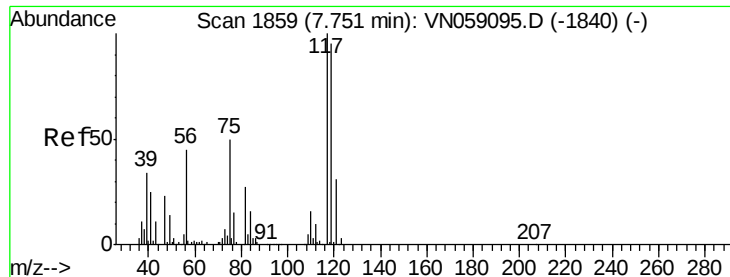


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VNO





#38

Carbon Tetrachloride

Concen: 6.783 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. -0.11 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

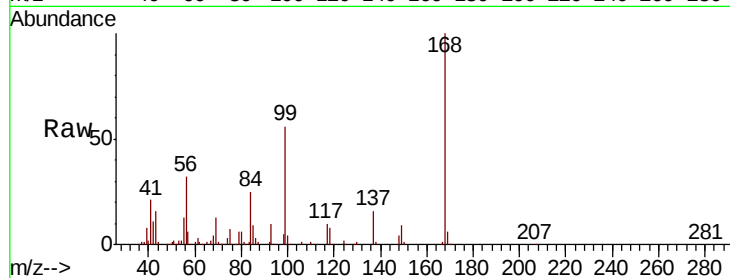
Tot Ion:117 Resp: 44766

Ion Ratio Lower Upper

117 100

119 4.7 75.6 113.4#

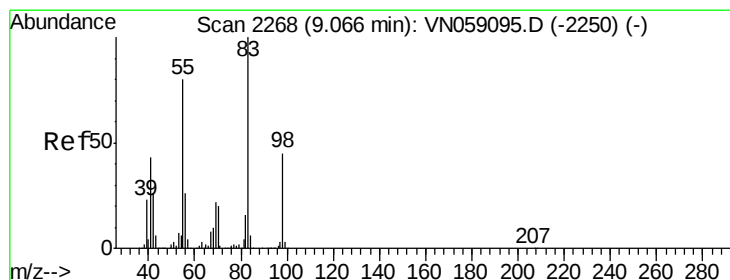
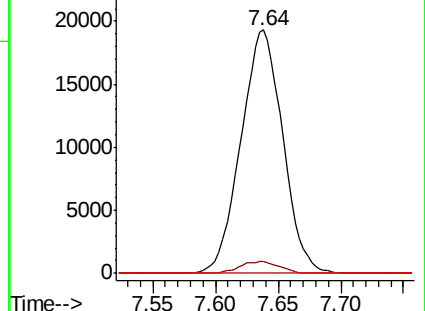
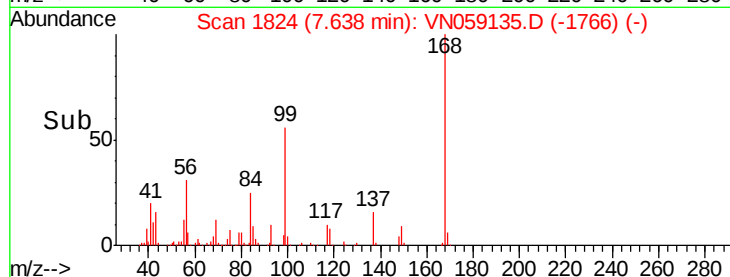
121 0.0 24.6 36.8#



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: 137.025 ug/l

RT: 9.06 min Scan# 2266

Delta R.T. -0.01 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

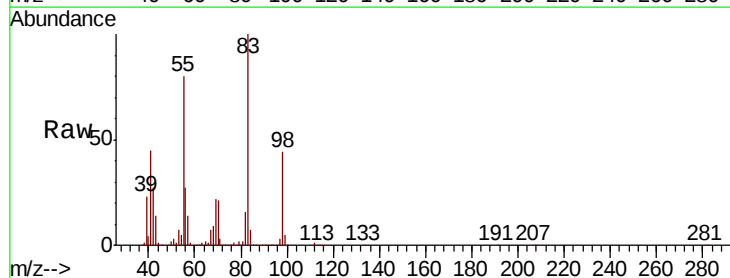
Tgt Ion: 83 Resp: 1054554

Ion Ratio Lower Upper

83 100

55 80.0 63.9 95.9

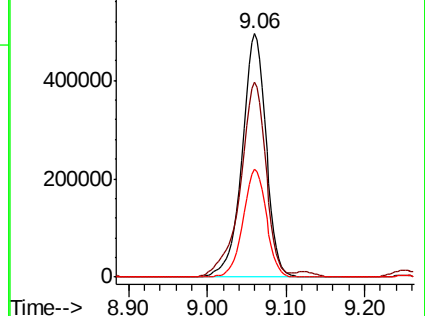
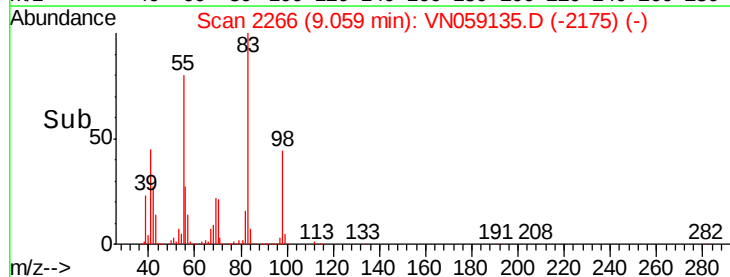
98 44.2 35.6 53.4

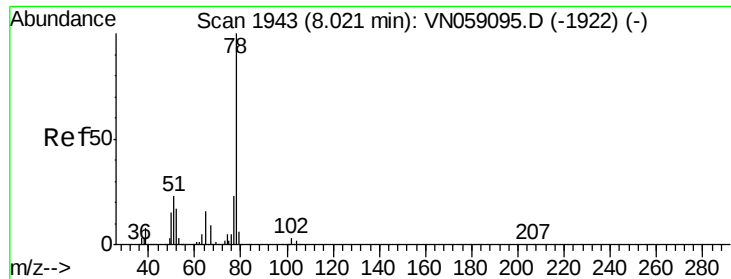


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 0.309 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. -0.01 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

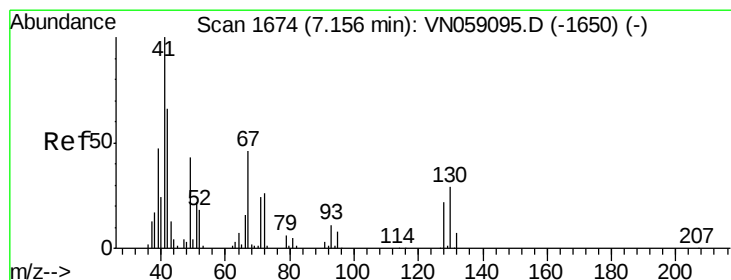
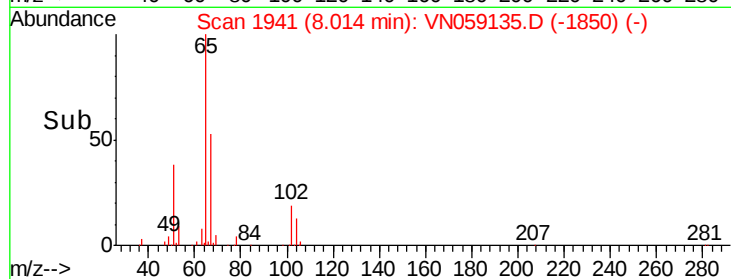
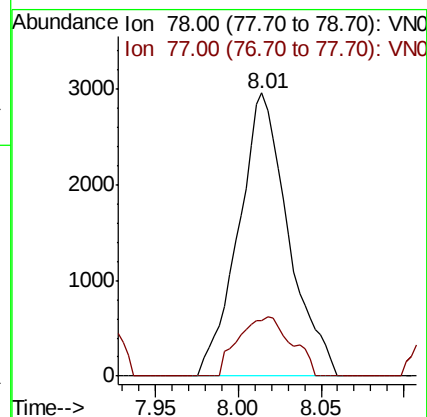
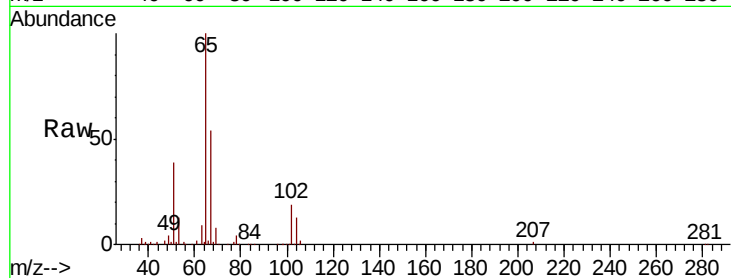
SB-22-(14-15)MEDL

Tot Ion: 78 Resp: 6173

Ion Ratio Lower Upper

78 100

77 19.8 18.8 28.2



#41

Methacrylonitrile

Concen: 0.323 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.01 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Tgt Ion: 41 Resp: 1035

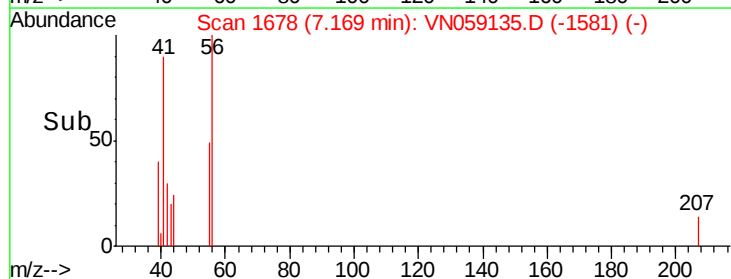
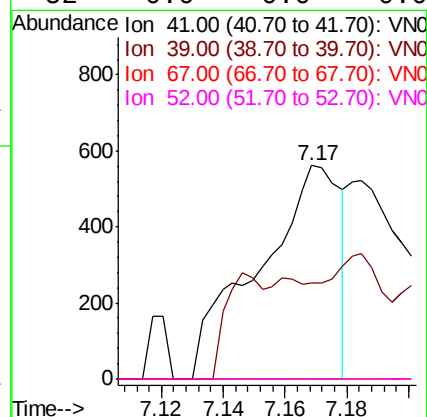
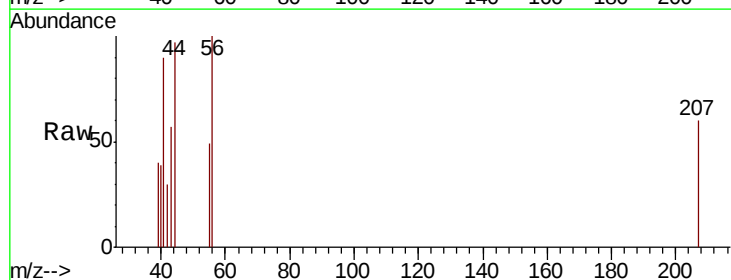
Ion Ratio Lower Upper

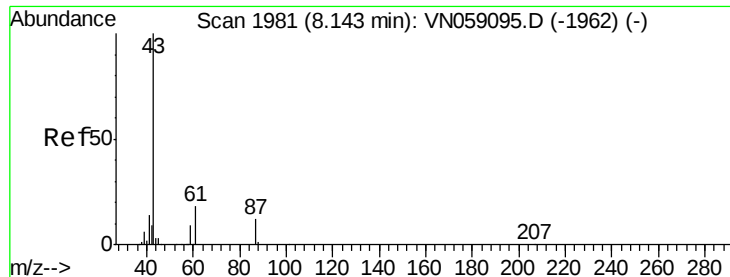
41 100

39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0





#43

Isopropyl Acetate

Concen: 5.917 ug/l

RT: 8.12 min Scan# 1974

Delta R.T. -0.02 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

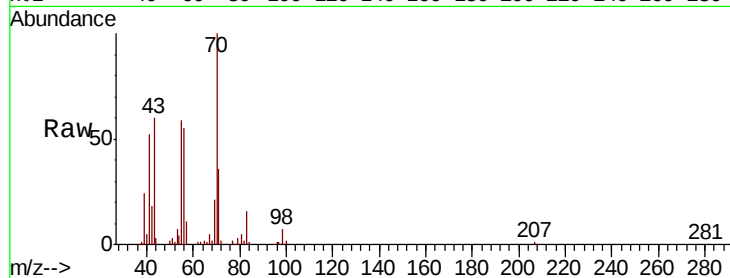
Tot Ion: 43 Resp: 69583

Ion Ratio Lower Upper

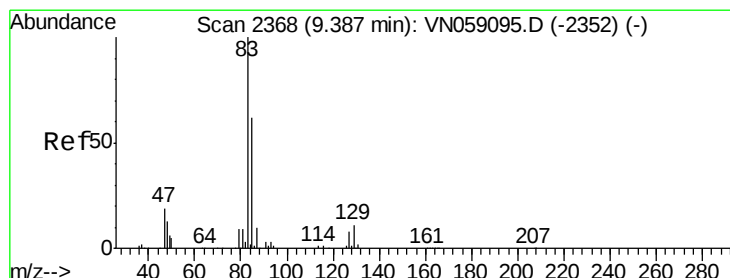
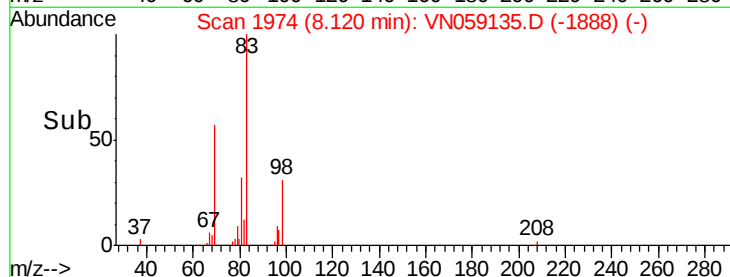
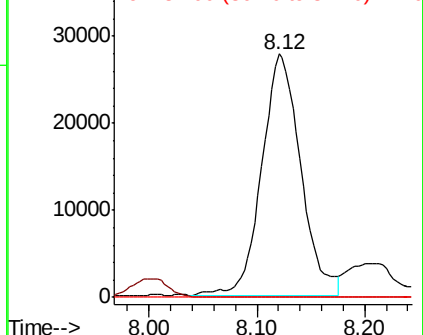
43 100

61 0.0 21.0 31.6#

87 0.0 9.8 14.6#



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 61.00 (60.70 to 61.70): VNO
Ion 87.00 (86.70 to 87.70): VNO



#47

Bromodichloromethane

Concen: 2.042 ug/l

RT: 9.35 min Scan# 2357

Delta R.T. -0.04 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

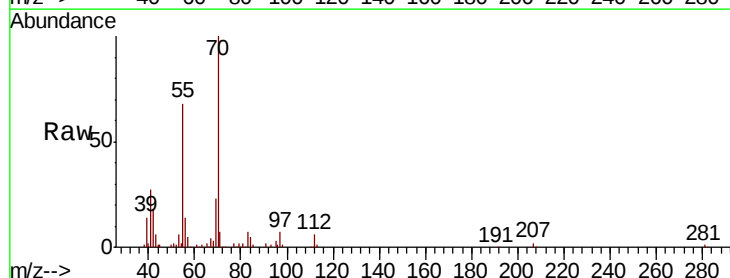
Tgt Ion: 83 Resp: 13783

Ion Ratio Lower Upper

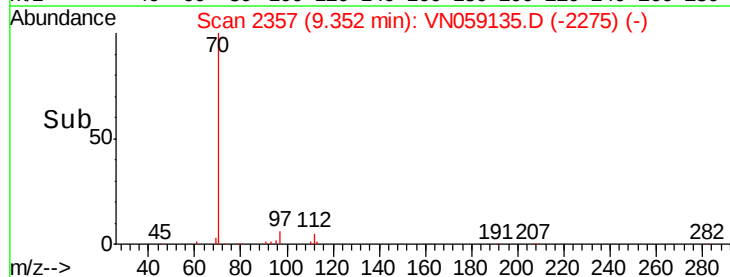
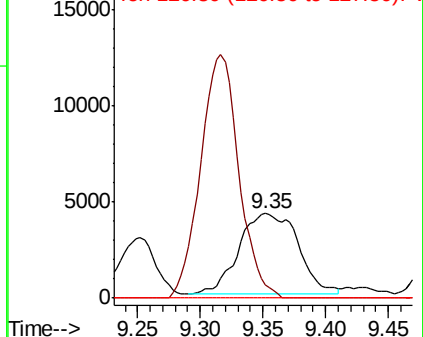
83 100

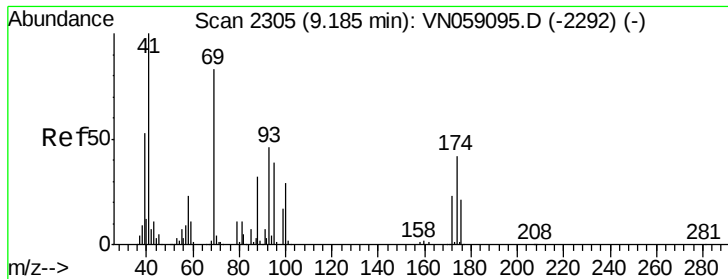
85 16.3 49.7 74.5#

127 0.0 6.4 9.6#



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V

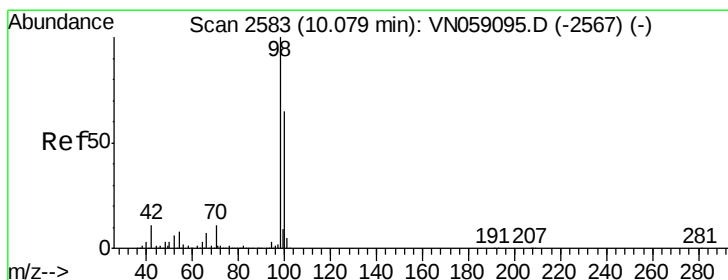
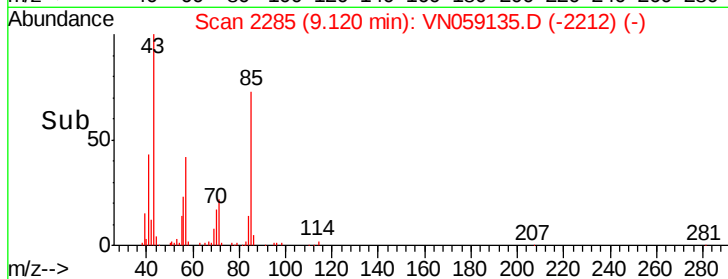
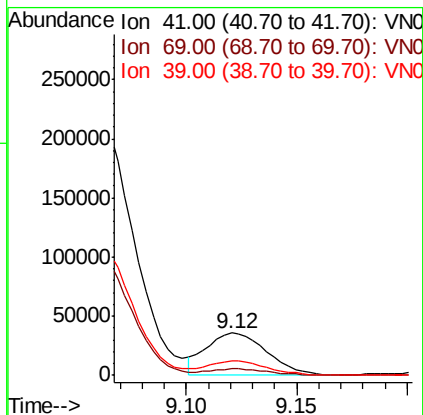
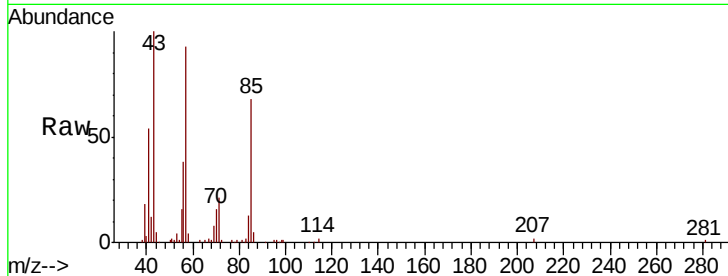




#48
Methvl methacrylate
Concen: 12.665 ug/l
RT: 9.12 min Scan# 2285
Delta R.T. -0.06 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

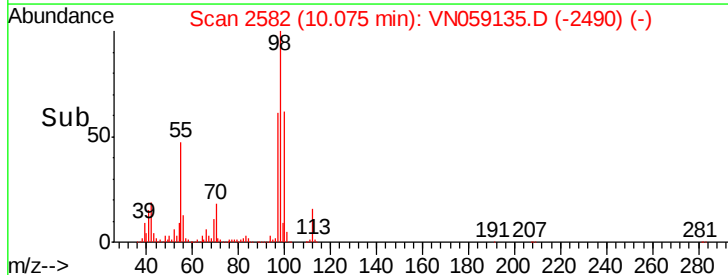
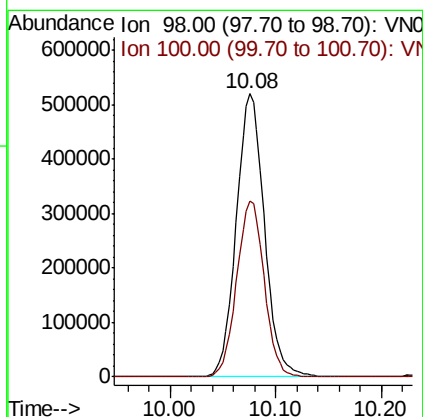
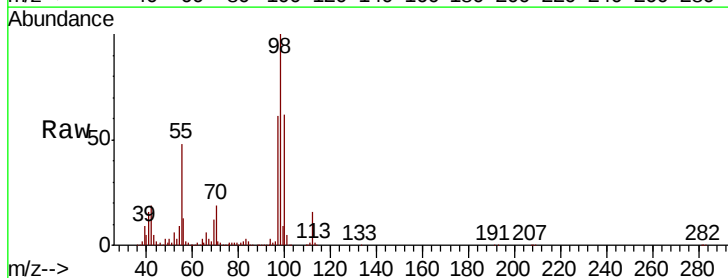
Instrument :
MSVOA_N
ClientSampleId :
SB-22-(14-15)MEDL

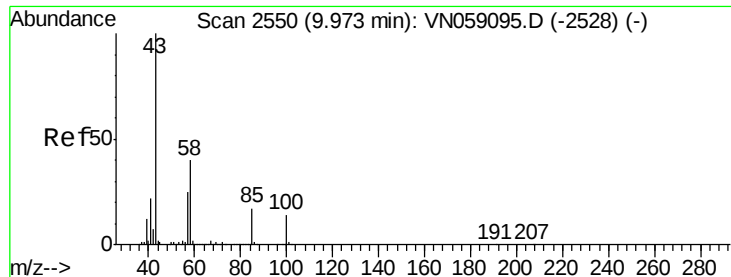
Tot Ion: 41 Resp: 66625
Ion Ratio Lower Upper
41 100
69 14.9 67.3 100.9#
39 33.9 43.3 64.9#



#50
Toluene-d8
Concen: 57.745 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion: 98 Resp: 963495
Ion Ratio Lower Upper
98 100
100 60.7 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 7.237 ug/l

RT: 10.07 min Scan# 2580

Delta R.T. 0.10 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

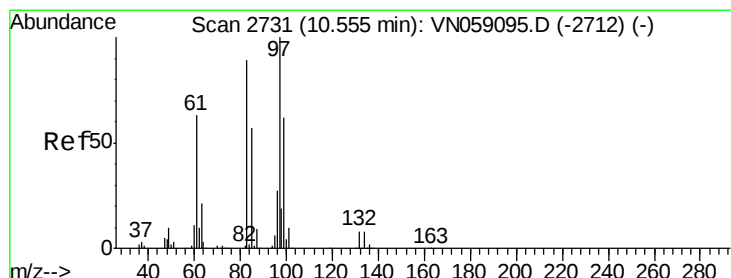
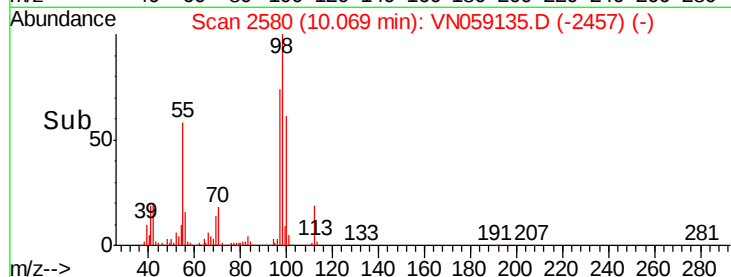
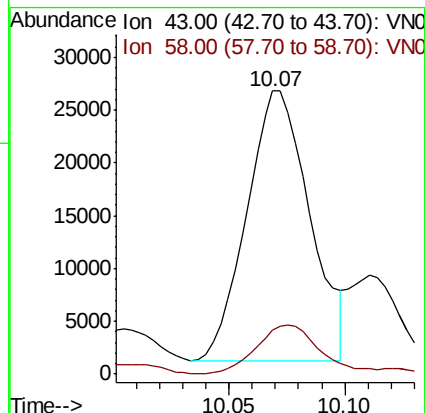
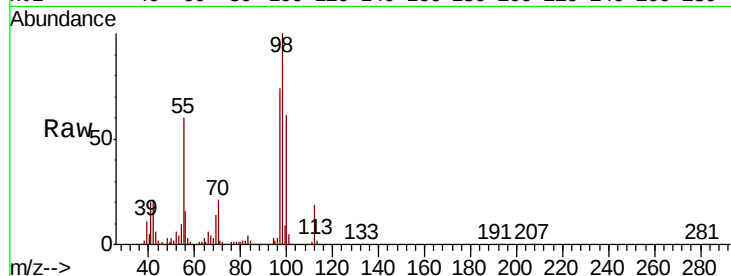
SB-22-(14-15)MEDL

Tot Ion: 43 Resp: 48157

Ion Ratio Lower Upper

43 100

58 18.6 31.5 47.3#



#55

1,1,2-Trichloroethane

Concen: 37.188 ug/l

RT: 10.52 min Scan# 2720

Delta R.T. -0.04 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Tgt Ion: 97 Resp: 180133

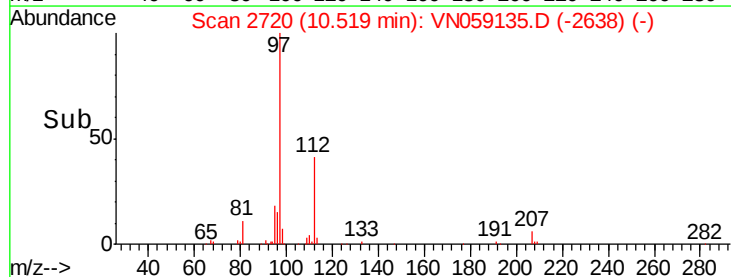
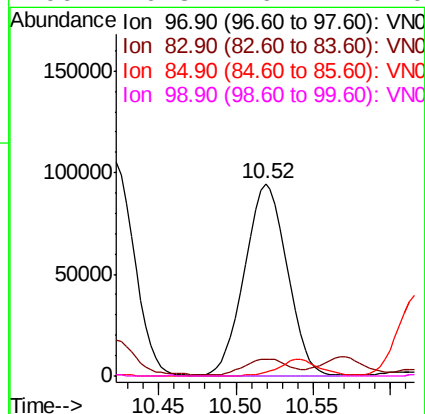
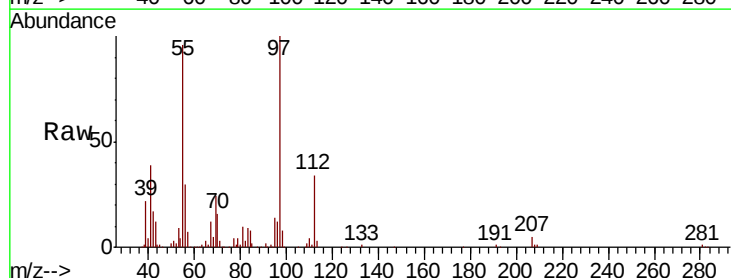
Ion Ratio Lower Upper

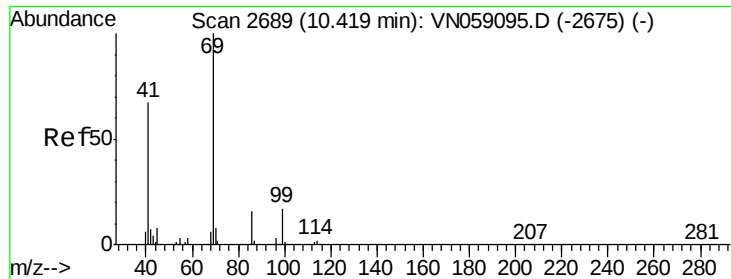
97 100

83 7.7 71.0 106.4#

85 1.8 45.8 68.8#

99 0.3 49.4 74.0#





#56

Ethyl methacrylate

Concen: 8.704 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

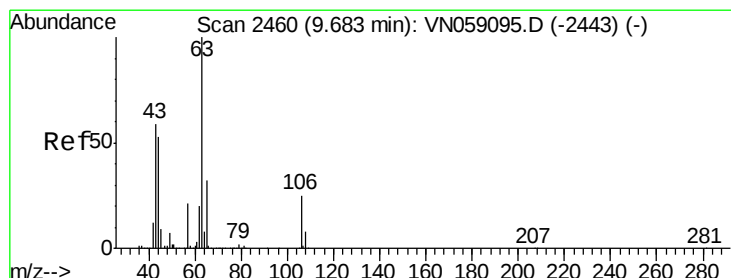
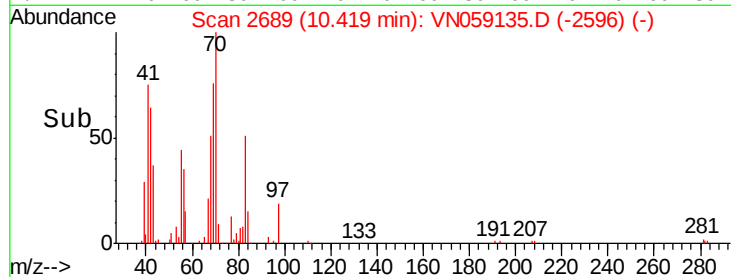
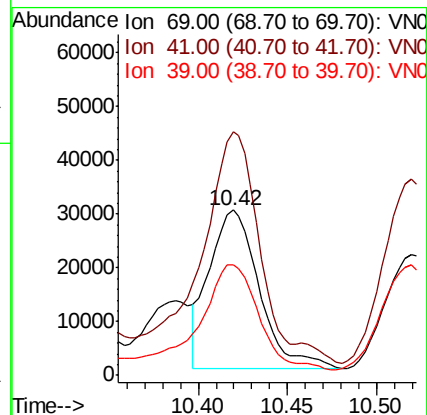
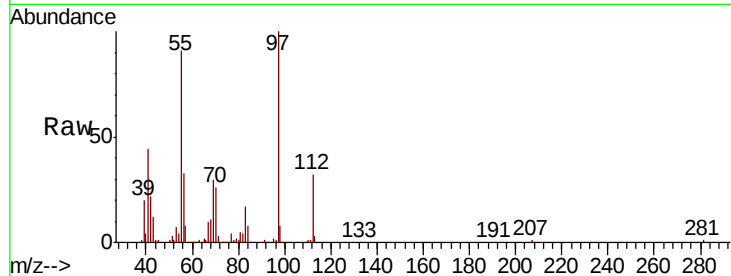
Tot Ion: 69 Resp: 57338

Ion Ratio Lower Upper

69 100

41 172.5 53.6 80.4#

39 78.2 26.2 39.4#



#58

2-Chloroethyl Vinyl ether

Concen: 0.309 ug/l

RT: 9.65 min Scan# 2449

Delta R.T. -0.04 min

Lab File: VN059135.D

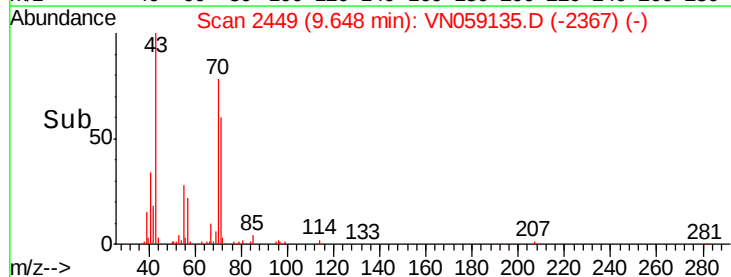
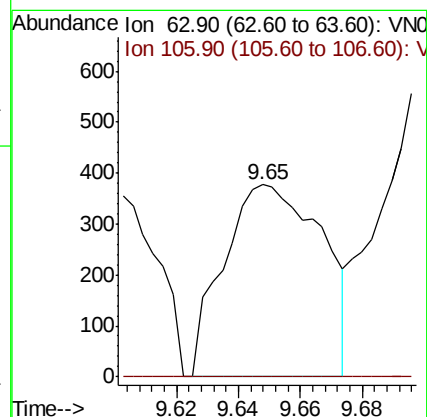
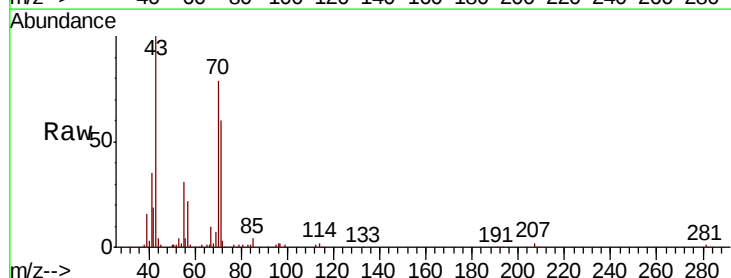
Acq: 8 Nov 2019 15:53

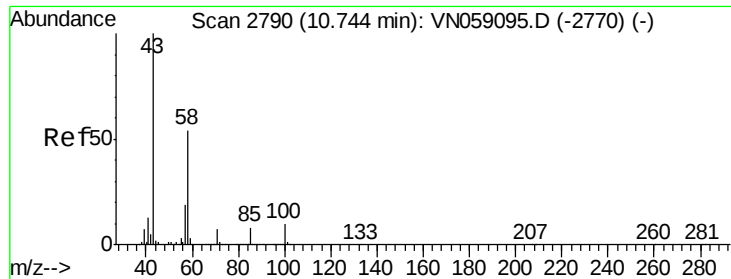
Tgt Ion: 63 Resp: 834

Ion Ratio Lower Upper

63 100

106 0.0 20.2 30.2#

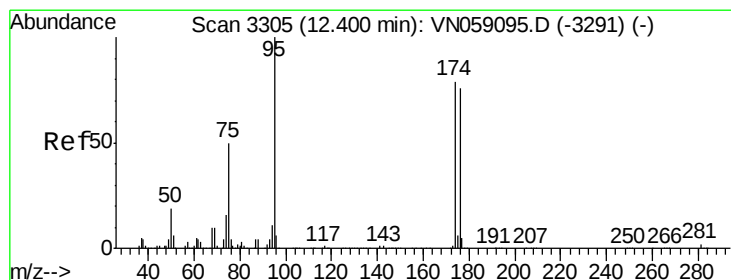
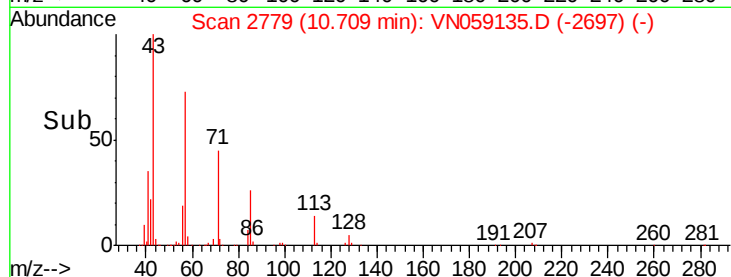
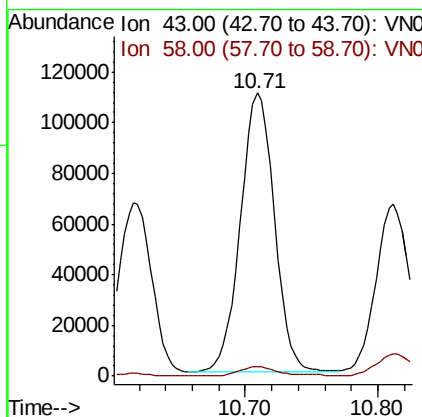
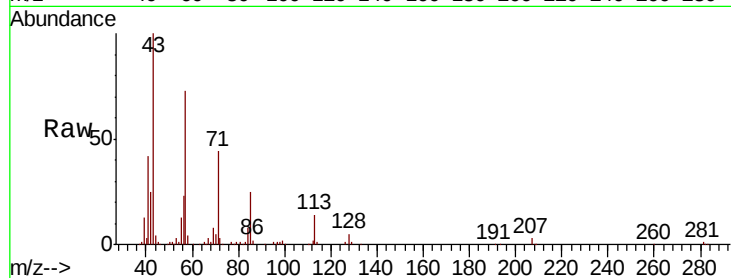




#59
2-Hexanone
Concen: 38.379 ug/l
RT: 10.71 min Scan# 2779
Delta R.T. -0.04 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

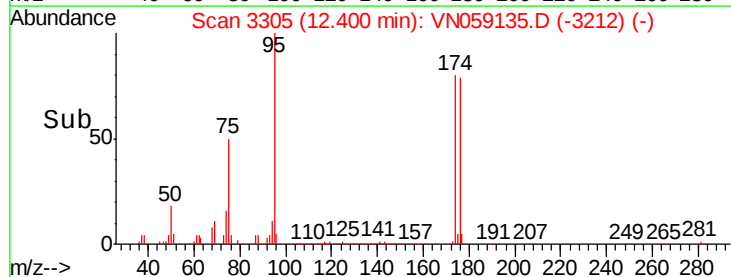
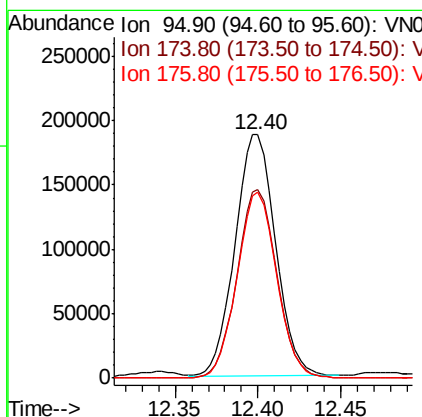
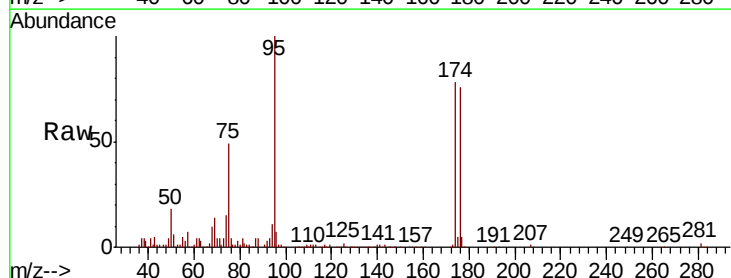
Instrument :
MSVOA_N
ClientSampleId :
SB-22-(14-15)MEDL

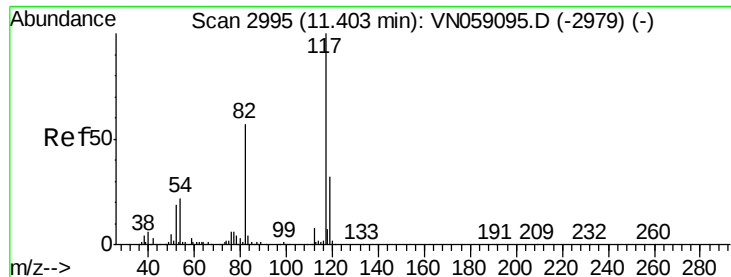
Tot Ion: 43 Resp: 196029
Ion Ratio Lower Upper
43 100
58 4.2 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 52.918 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion: 95 Resp: 318360
Ion Ratio Lower Upper
95 100
174 77.5 0.0 158.2
176 75.8 0.0 151.8

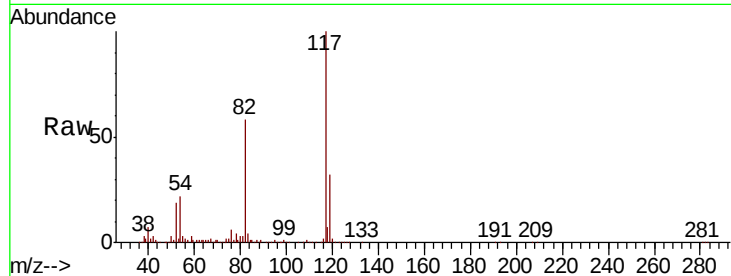




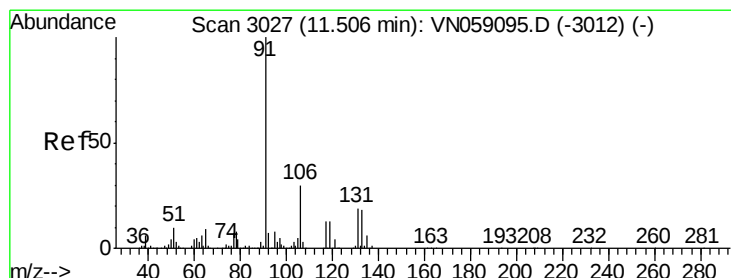
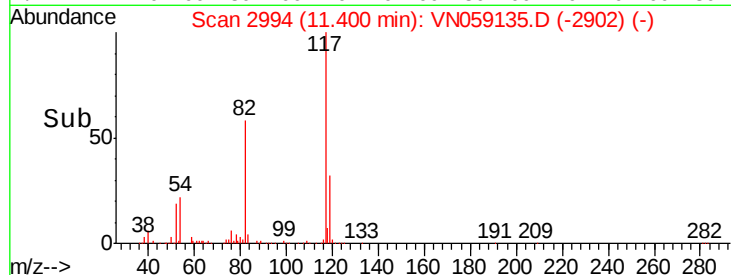
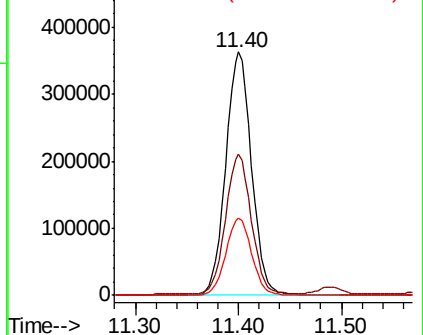
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Instrument :
MSVOA_N
ClientSampleId :
SB-22-(14-15)MEDL

Tot Ion:117 Resp: 631130
Ion Ratio Lower Upper
117 100
82 57.5 45.8 68.8
119 31.8 25.8 38.6

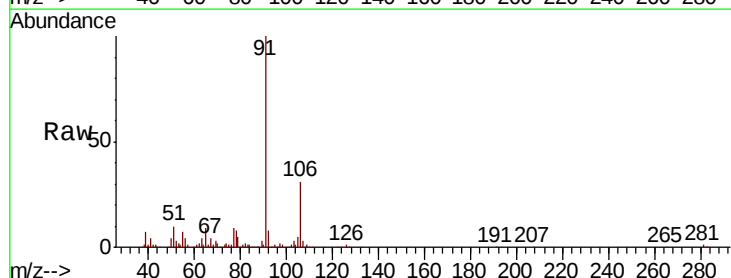


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

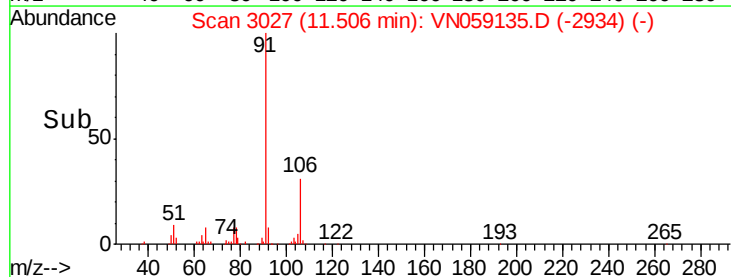
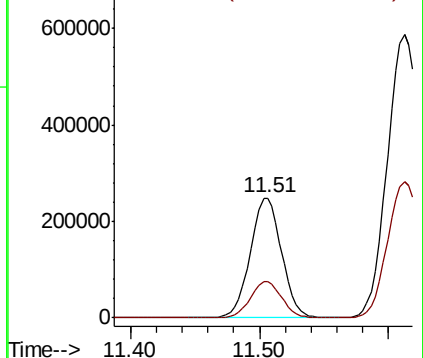


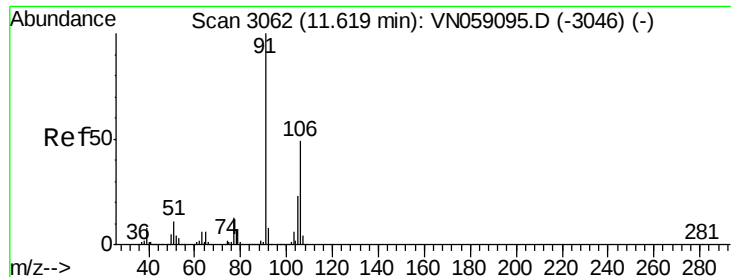
#67
Ethyl Benzene
Concen: 19.172 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion: 91 Resp: 418505
Ion Ratio Lower Upper
91 100
106 30.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V

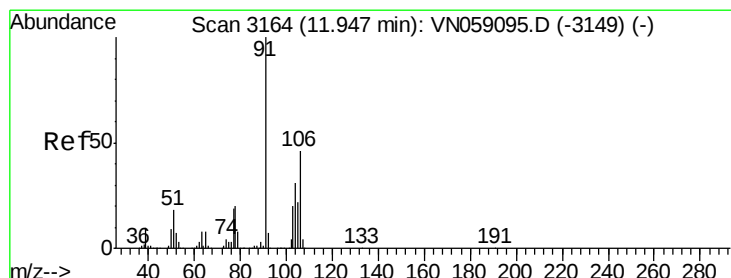
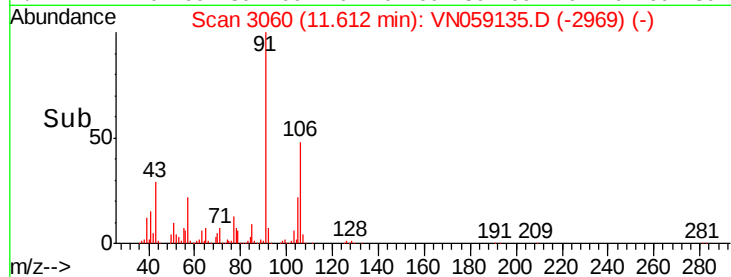
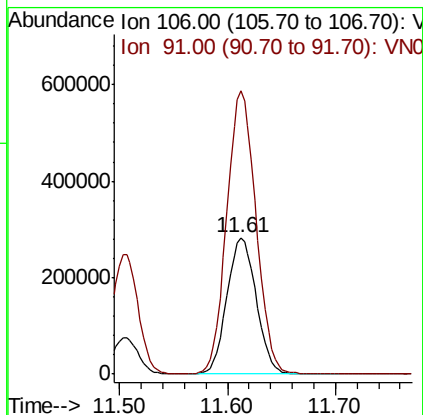
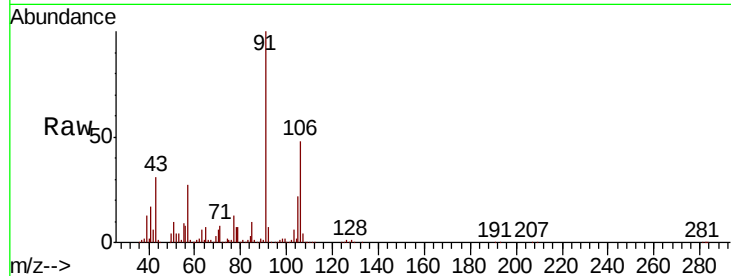




#68
m/p-Xylenes
Concen: 65.624 ug/l
RT: 11.61 min Scan# 3060
Delta R.T. -0.01 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

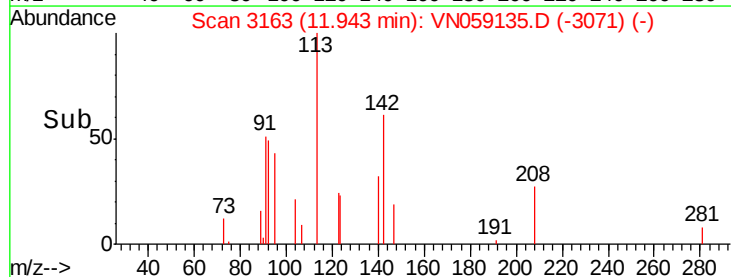
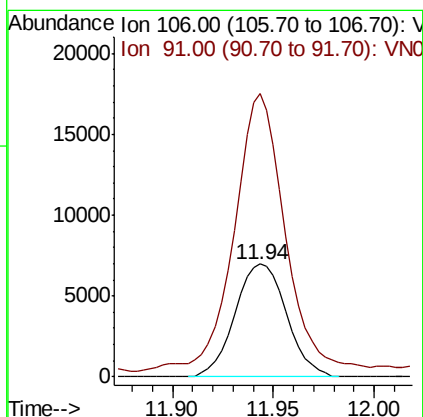
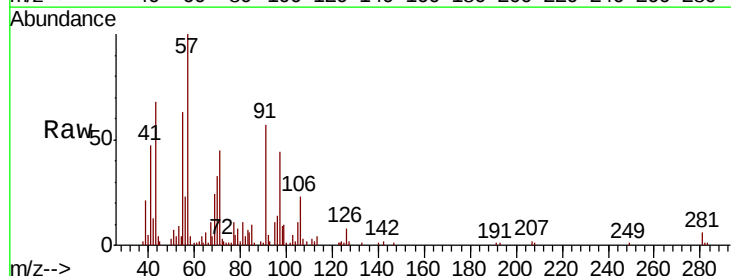
Instrument :
MSVOA_N
ClientSampleId :
SB-22-(14-15)MEDL

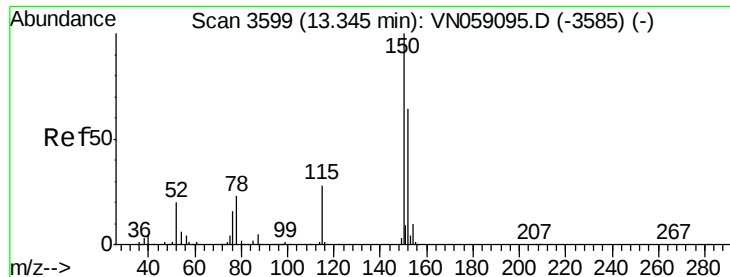
Tot Ion:106 Resp: 536594
Ion Ratio Lower Upper
106 100
91 206.1 164.7 247.1



#69
o-Xylene
Concen: 1.582 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion:106 Resp: 12504
Ion Ratio Lower Upper
106 100
91 243.5 110.1 330.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

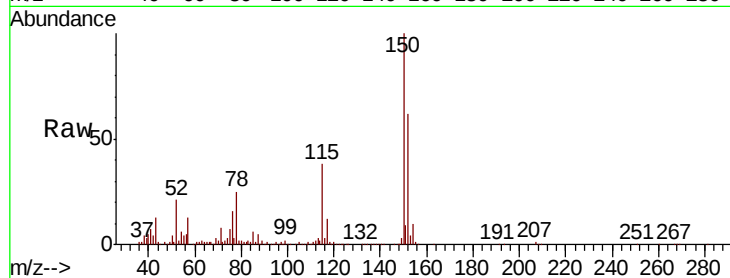
Tot Ion:152 Resp: 284240

Ion Ratio Lower Upper

152 100

115 64.1 29.4 88.2

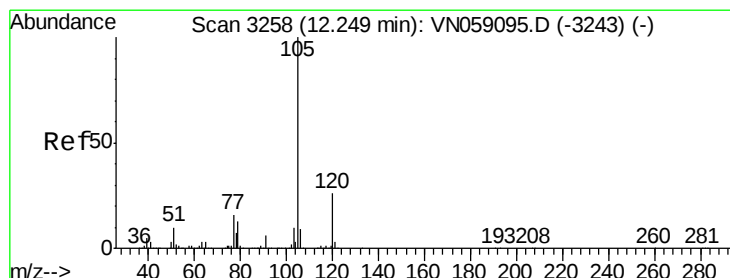
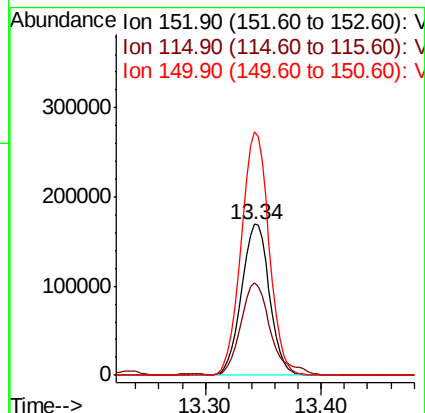
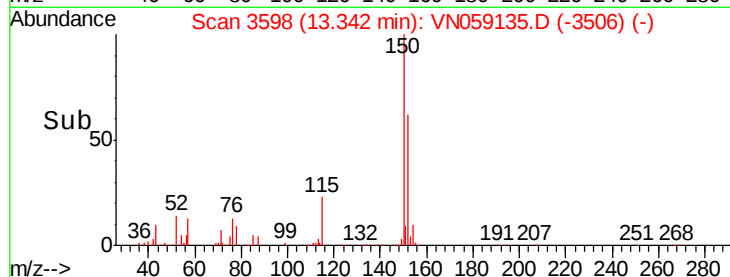
150 159.2 0.0 345.8



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: 3.333 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. -0.00 min

Lab File: VN059135.D

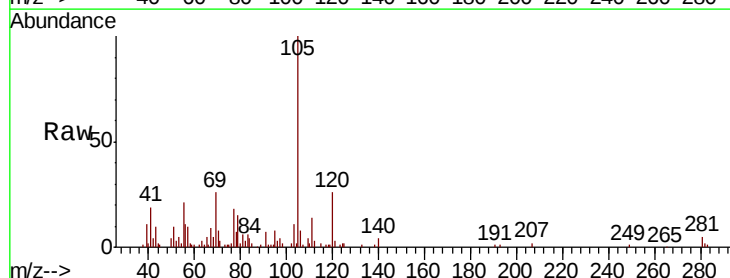
Acq: 8 Nov 2019 15:53

Tgt Ion:105 Resp: 68914

Ion Ratio Lower Upper

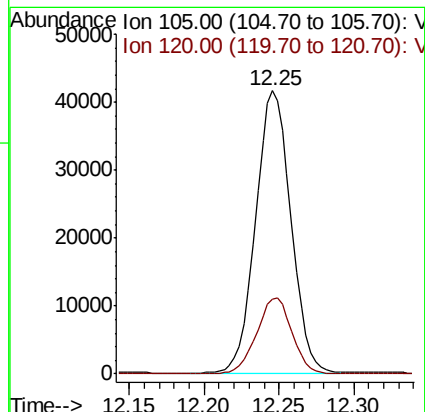
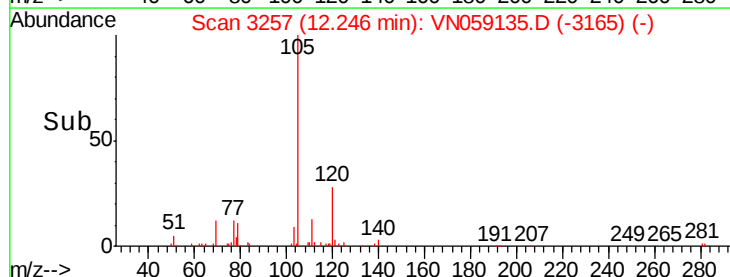
105 100

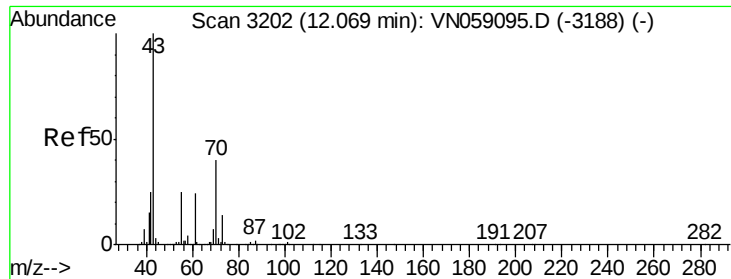
120 26.6 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

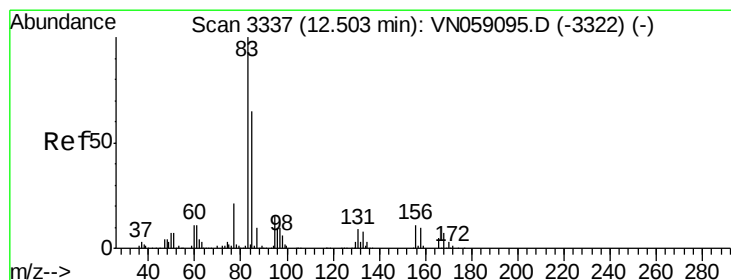
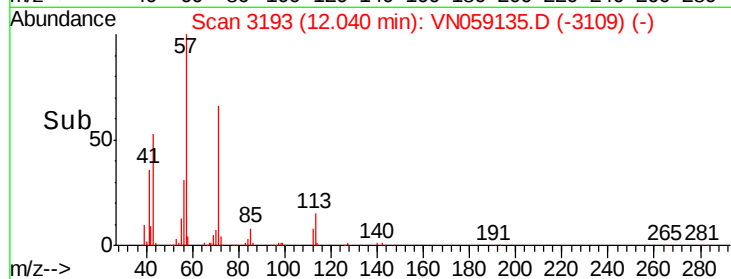
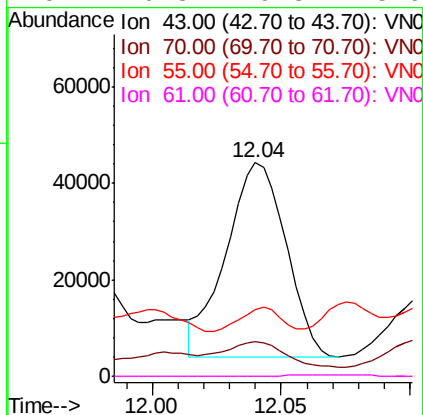
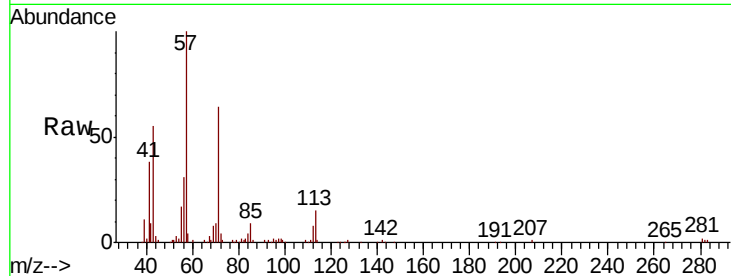




#74
N-amvl acetate
Concen: 7.486 ug/l
RT: 12.04 min Scan# 3193
Delta R.T. -0.03 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

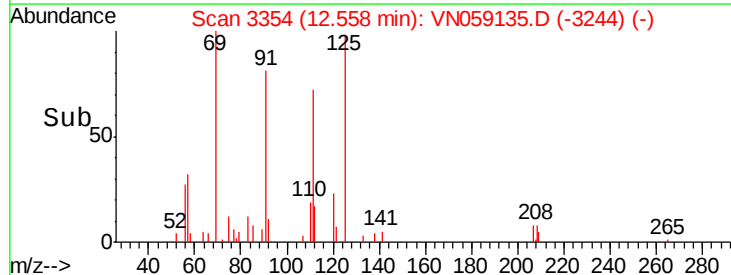
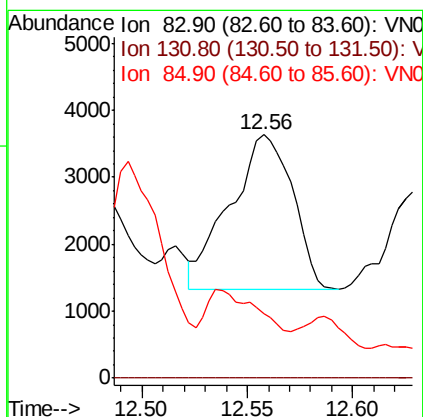
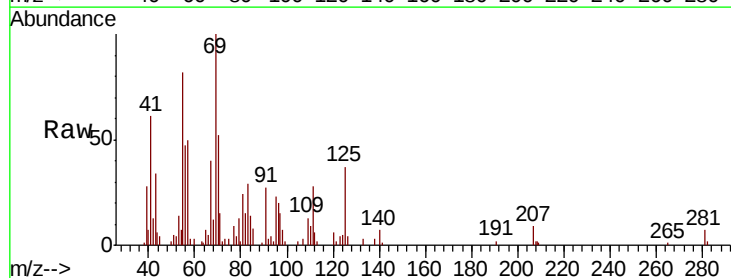
Instrument :
MSVOA_N
ClientSampleId :
SB-22-(14-15)MEDL

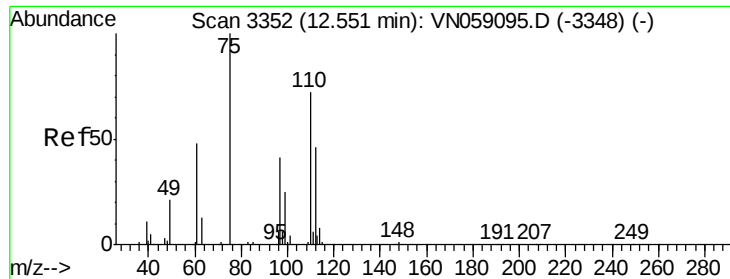
Tot Ion:	43	Resp:	65588
Ion	Ratio	Lower	Upper
43	100		
70	13.1	32.2	48.4#
55	8.4	20.4	30.6#
61	0.3	19.3	28.9#



#75
1,1,2,2-Tetrachloroethane
Concen: 0.682 ug/l
RT: 12.56 min Scan# 3354
Delta R.T. 0.05 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion:	83	Resp:	4805
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.6#
85	0.0	32.4	97.2#





#76

1,2,3-Trichloropropane

Concen: 1.504 ug/l

RT: 12.65 min Scan# 3384

Delta R.T. 0.10 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

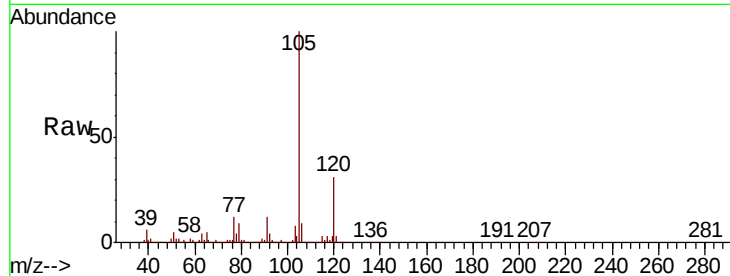
SB-22-(14-15)MEDL

Tot Ion: 75 Resp: 9732

Ion Ratio Lower Upper

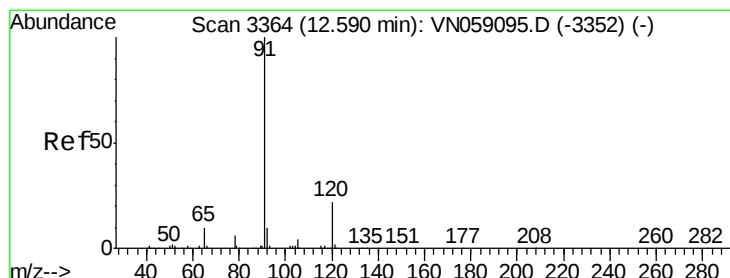
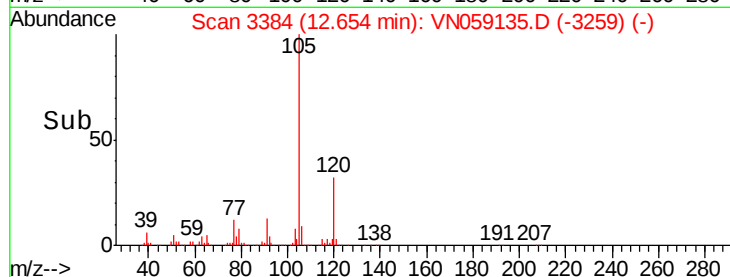
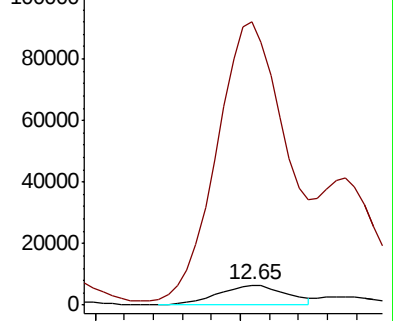
75 100

77 1522.9 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: 15.528 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059135.D

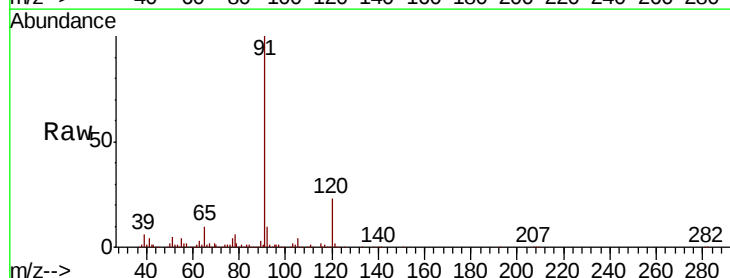
Acq: 8 Nov 2019 15:53

Tgt Ion: 91 Resp: 367614

Ion Ratio Lower Upper

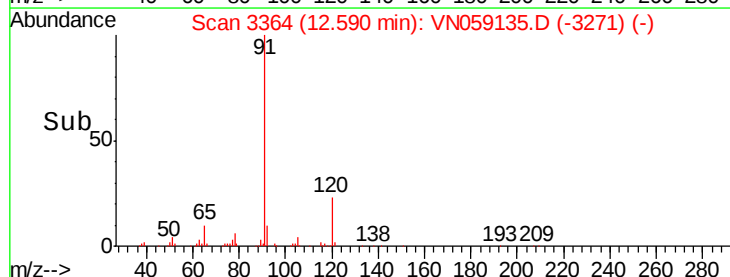
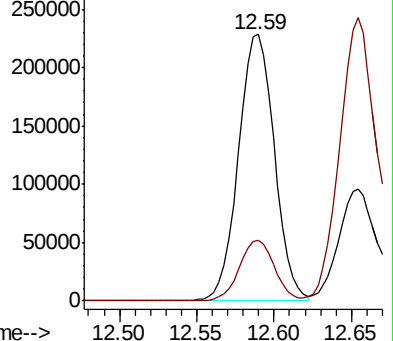
91 100

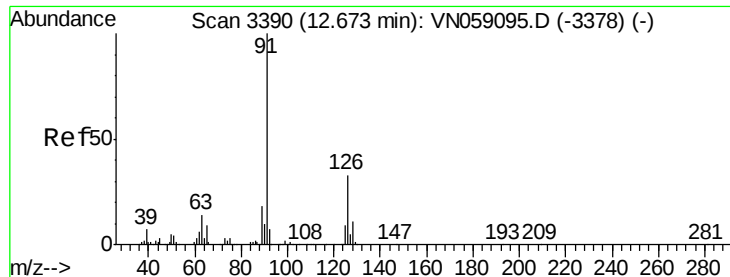
120 22.3 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

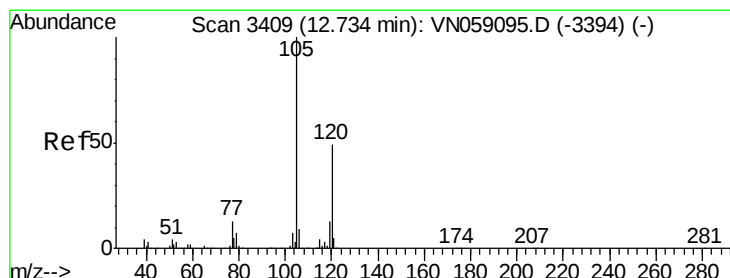
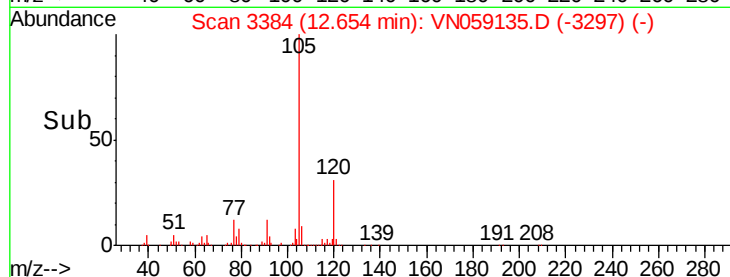
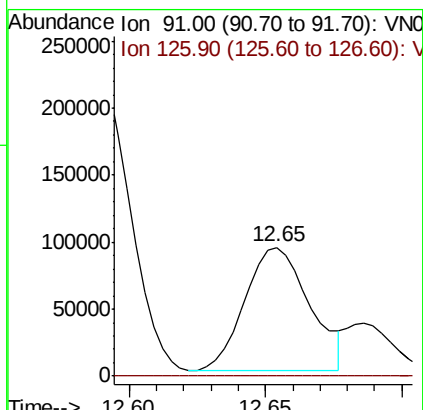
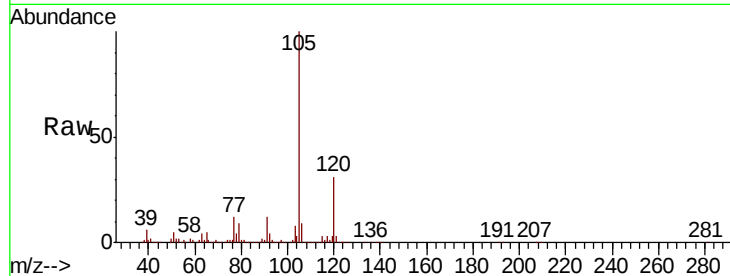




#79
2-Chlorotoluene
Concen: 10.324 ug/l
RT: 12.65 min Scan# 3384
Delta R.T. -0.02 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

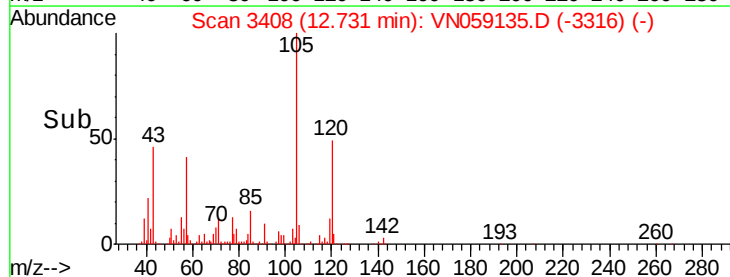
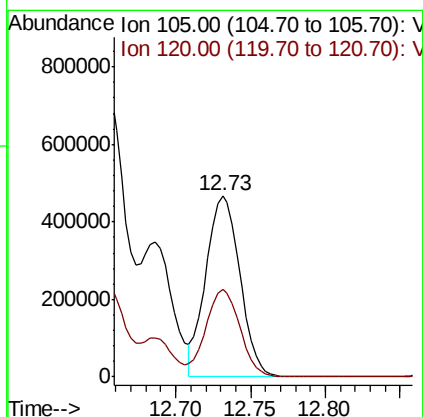
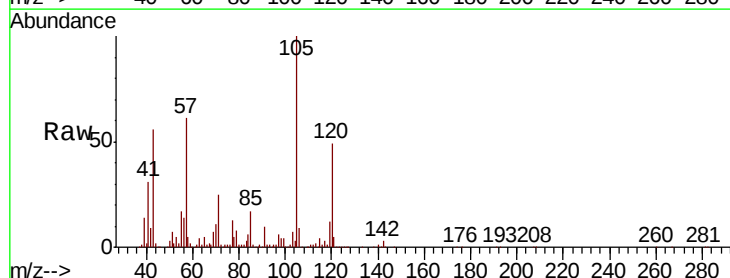
Instrument :
MSVOA_N
ClientSampleId :
SB-22-(14-15)MEDL

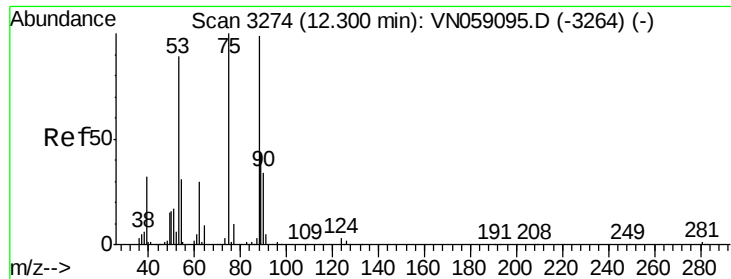
Tot Ion: 91 Resp: 151625
Ion Ratio Lower Upper
91 100
126 0.0 16.7 50.1#



#80
1,3,5-Trimethylbenzene
Concen: 42.223 ug/l
RT: 12.73 min Scan# 3408
Delta R.T. -0.00 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion: 105 Resp: 739738
Ion Ratio Lower Upper
105 100
120 48.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 63.067 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.10 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

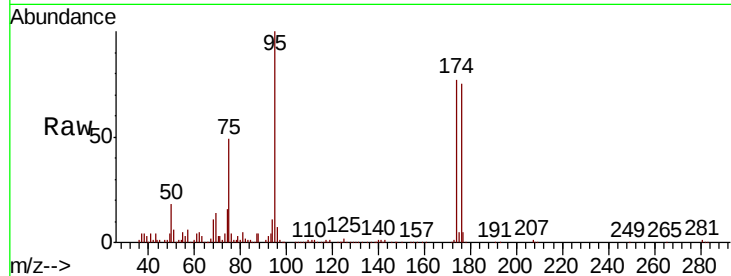
Tot Ion: 75 Resp: 154515

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

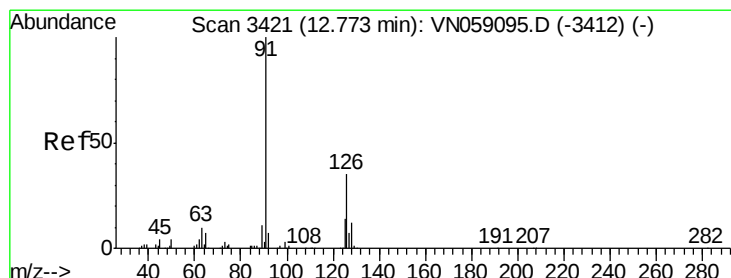
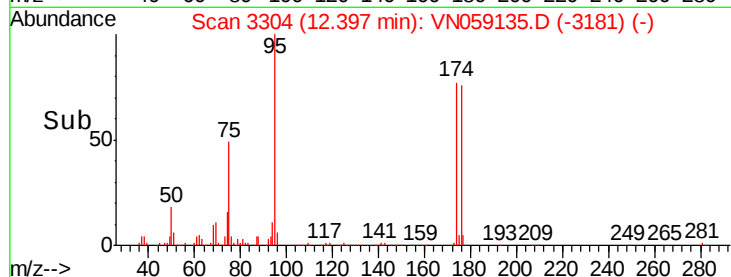
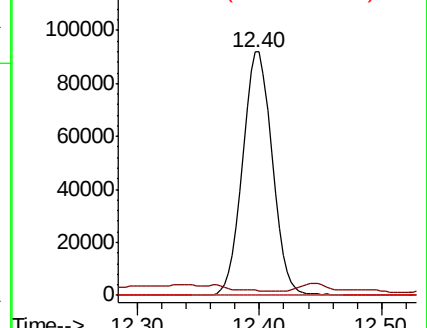
89 0.0 35.8 53.8#



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: 4.836 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.04 min

Lab File: VN059135.D

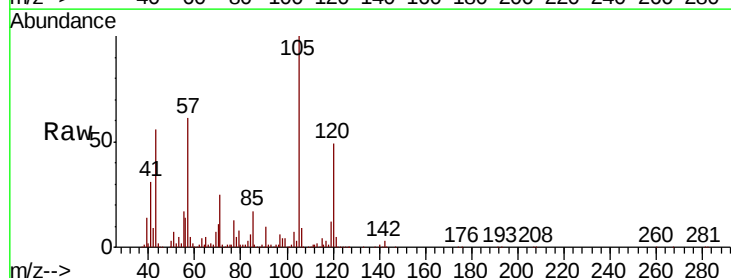
Acq: 8 Nov 2019 15:53

Tgt Ion: 91 Resp: 71240

Ion Ratio Lower Upper

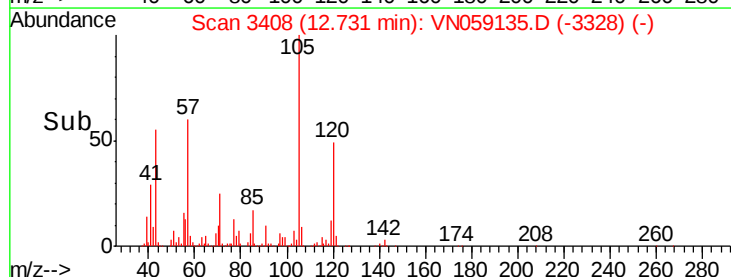
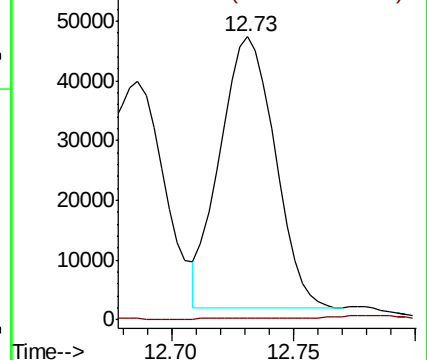
91 100

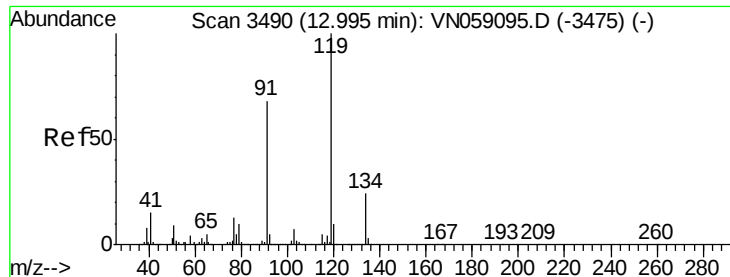
126 1.1 16.1 48.2#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 17.198 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.04 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

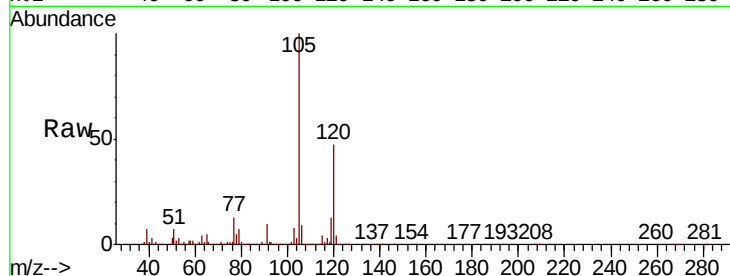
Tot Ion:119 Resp: 260198

Ion Ratio Lower Upper

119 100

91 81.3 33.2 99.6

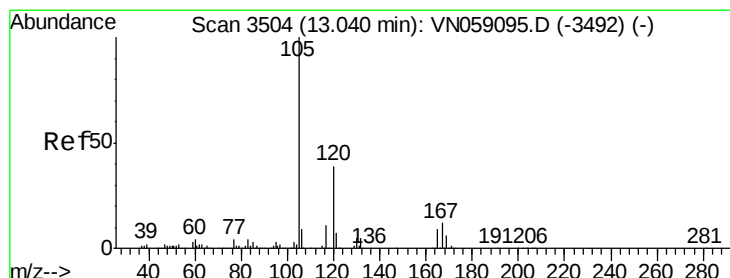
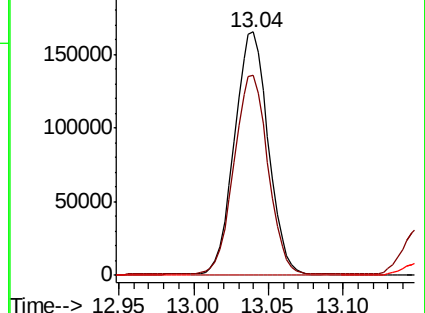
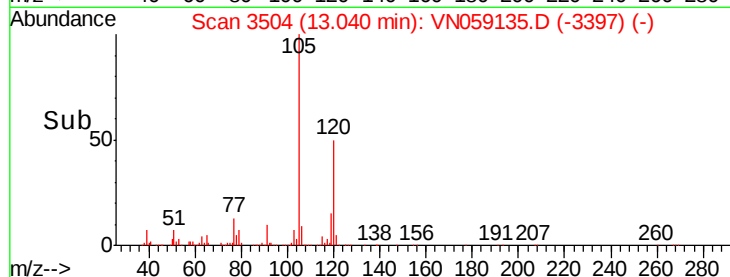
134 0.0 12.7 38.1#



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 124.719 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN059135.D

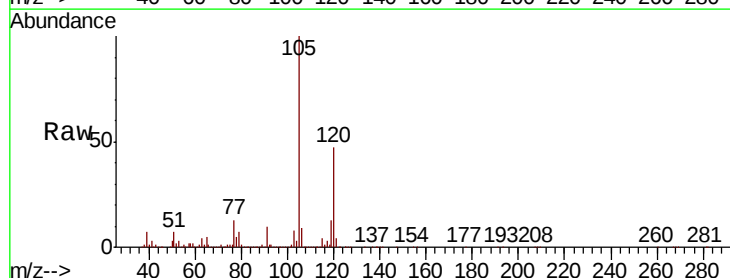
Acq: 8 Nov 2019 15:53

Tgt Ion:105 Resp: 2114008

Ion Ratio Lower Upper

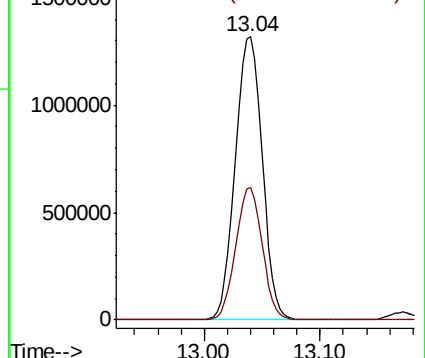
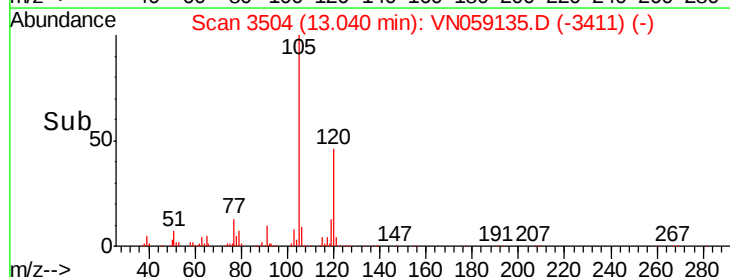
105 100

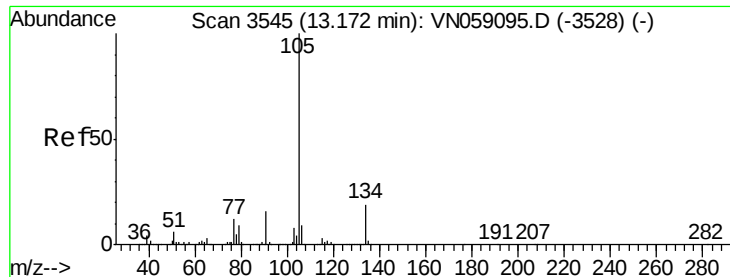
120 45.7 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 107.437 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.13 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

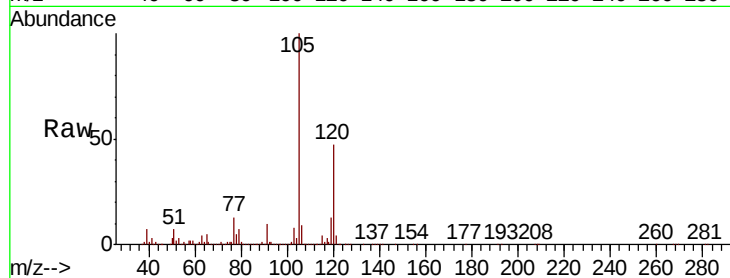
SB-22-(14-15)MEDL

Tot Ion:105 Resp: 2114008

Ion Ratio Lower Upper

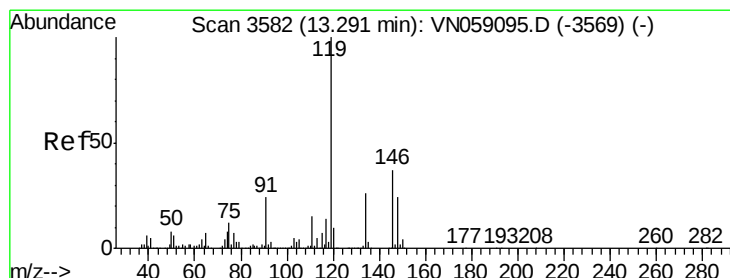
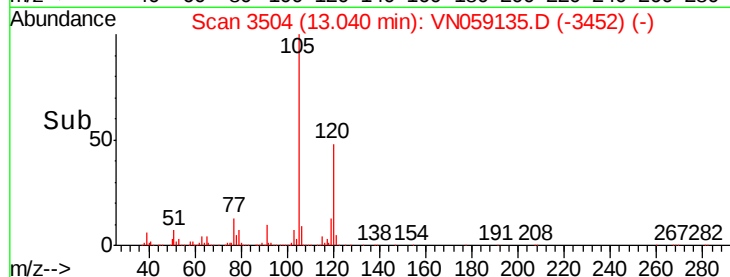
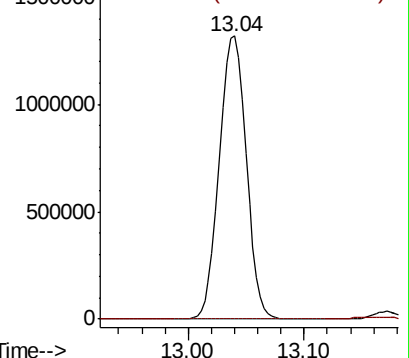
105 100

134 0.0 9.7 29.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 2.308 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

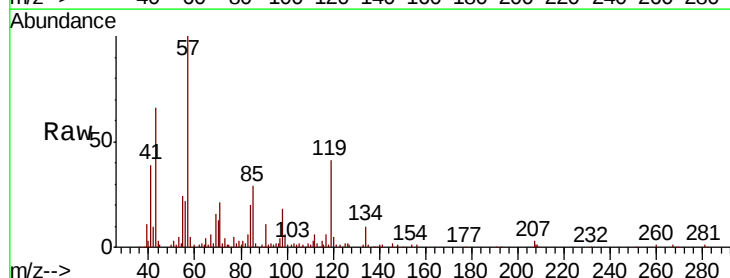
Tgt Ion:119 Resp: 40102

Ion Ratio Lower Upper

119 100

134 28.4 13.0 38.9

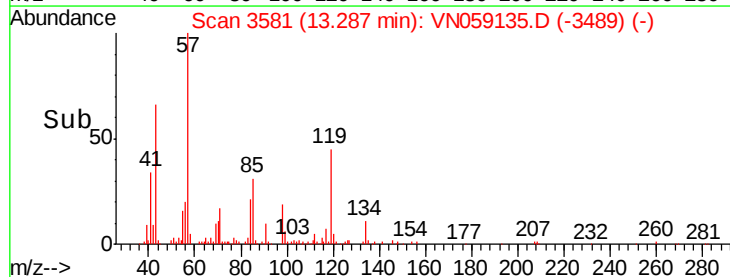
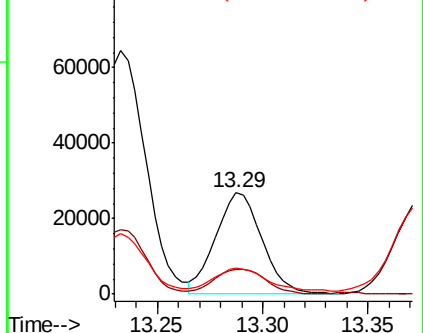
91 24.9 11.7 35.1

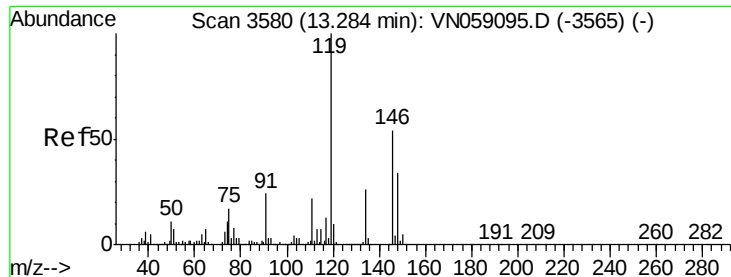


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 0.229 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

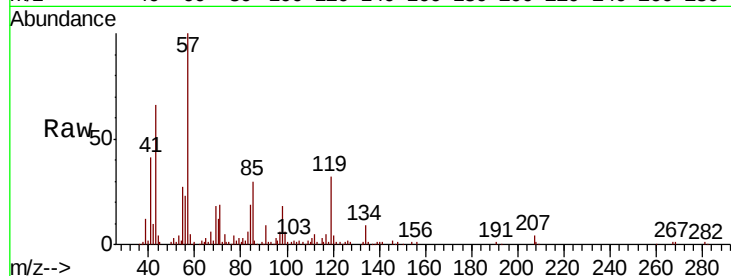
Tot Ion:146 Resp: 2033

Ion Ratio Lower Upper

146 100

111 149.1 20.4 61.3#

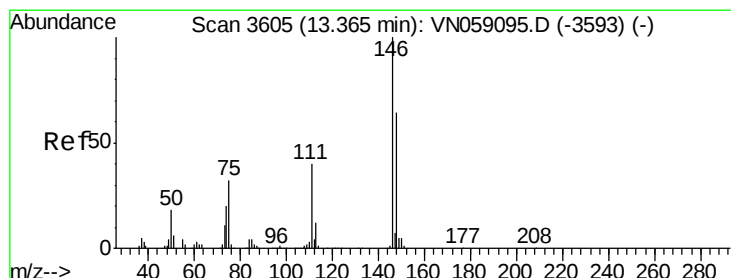
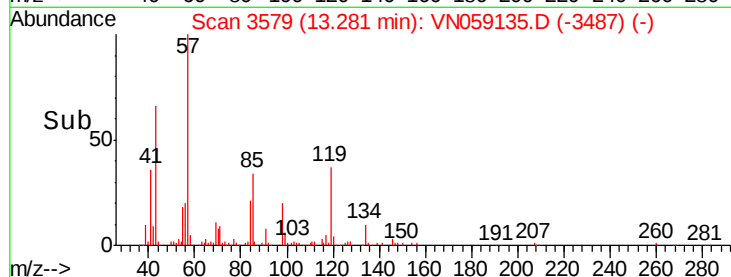
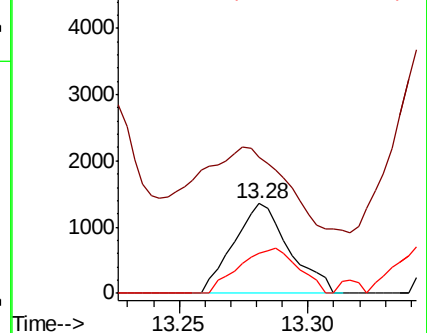
148 53.3 32.2 96.6



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



#88

1,4-Dichlorobenzene

Concen: 0.224 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

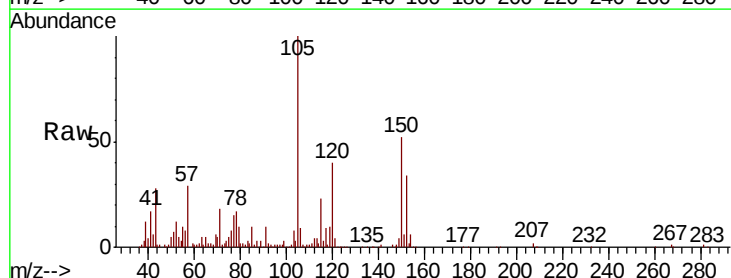
Tgt Ion:146 Resp: 1995

Ion Ratio Lower Upper

146 100

111 322.5 20.3 60.9#

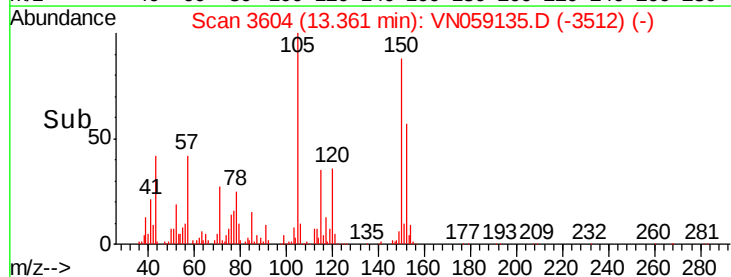
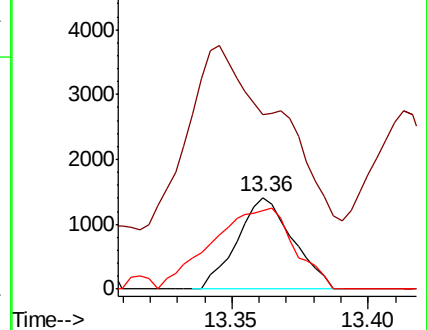
148 130.5 31.9 95.7#

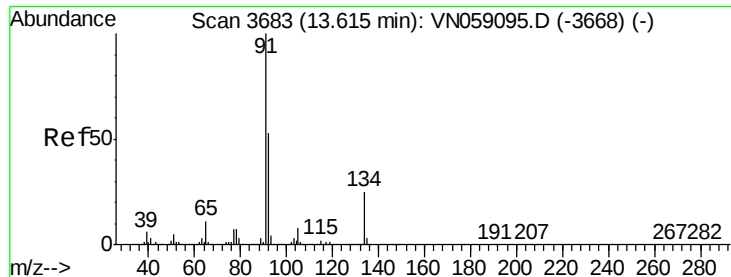


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

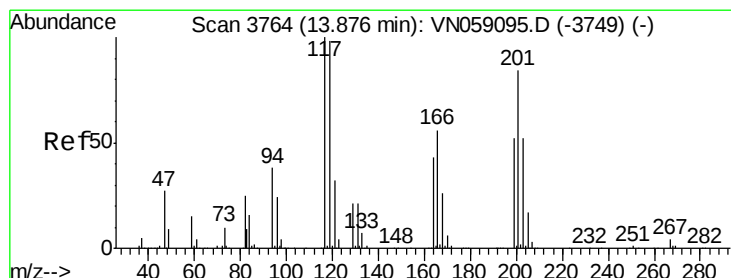
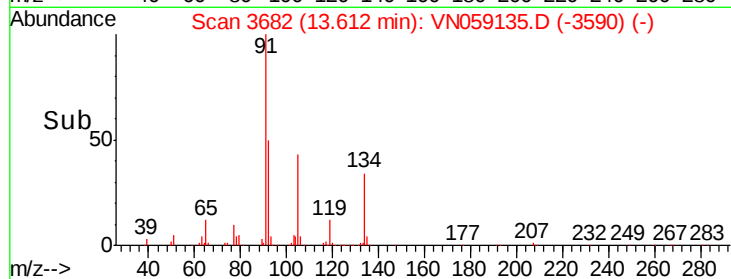
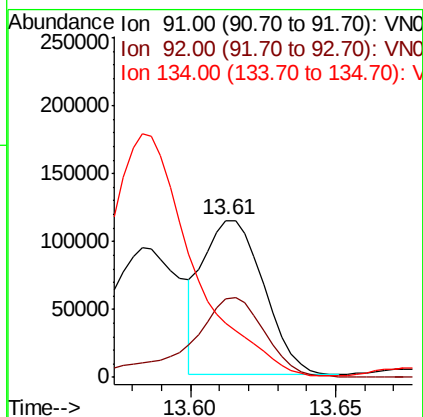
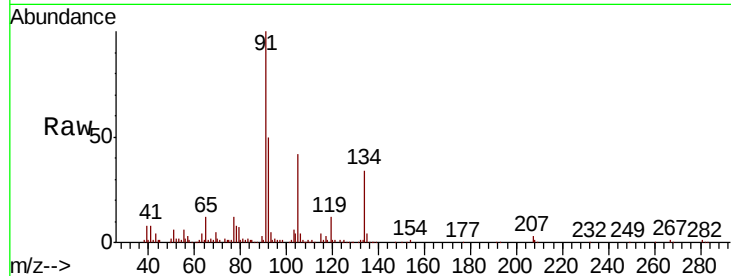




#89
n-Butylbenzene
Concen: 10.898 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. -0.00 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

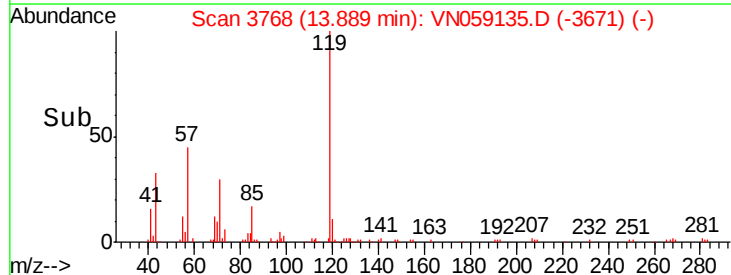
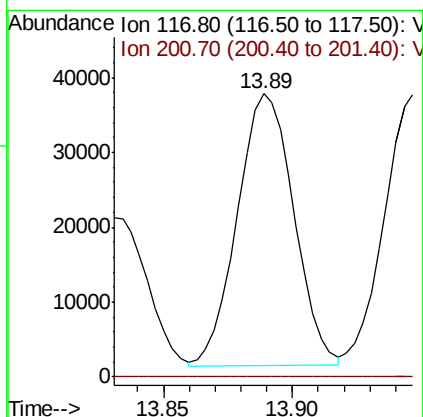
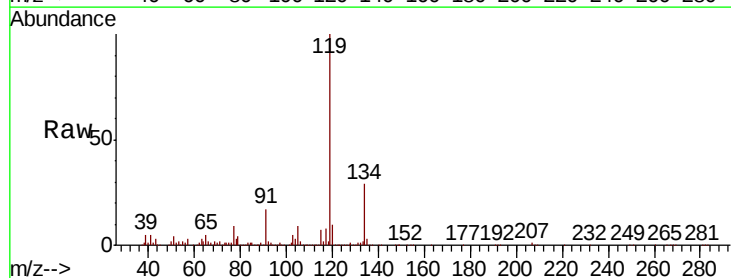
Instrument :
MSVOA_N
ClientSampleId :
SB-22-(14-15)MEDL

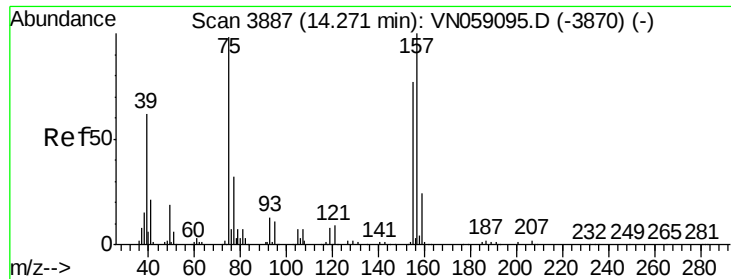
Tot Ion: 91 Resp: 165726
Ion Ratio Lower Upper
91 100
92 63.6 26.1 78.3
134 0.0 12.6 37.8#



#90
Hexachloroethane
Concen: 15.895 ug/l
RT: 13.89 min Scan# 3768
Delta R.T. 0.01 min
Lab File: VN059135.D
Acq: 8 Nov 2019 15:53

Tgt Ion: 117 Resp: 55453
Ion Ratio Lower Upper
117 100
201 0.0 41.8 125.3#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.298 ug/l

RT: 14.30 min Scan# 3895

Delta R.T. 0.03 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

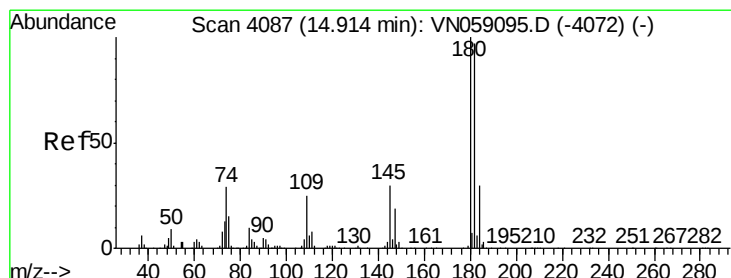
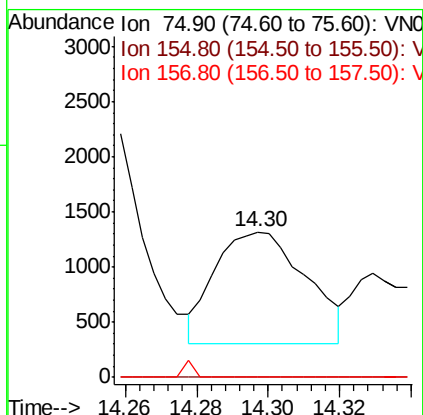
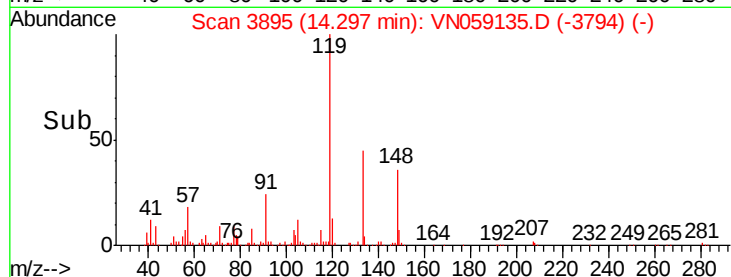
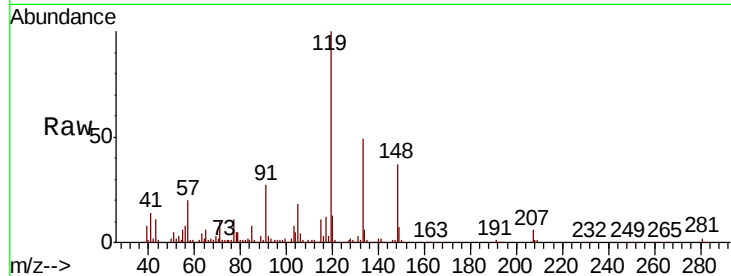
Tot Ion: 75 Resp: 1788

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

157 1.6 51.8 155.5#



#93

1,2,4-Trichlorobenzene

Concen: 3.913 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

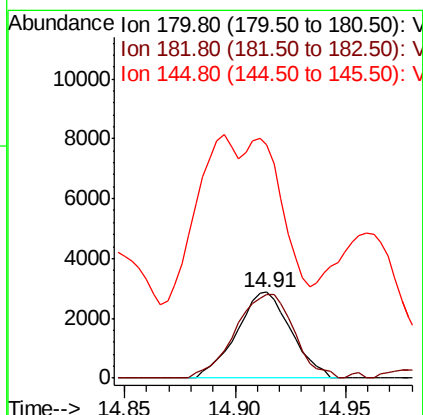
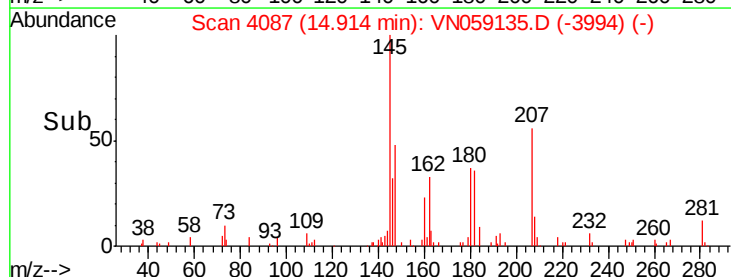
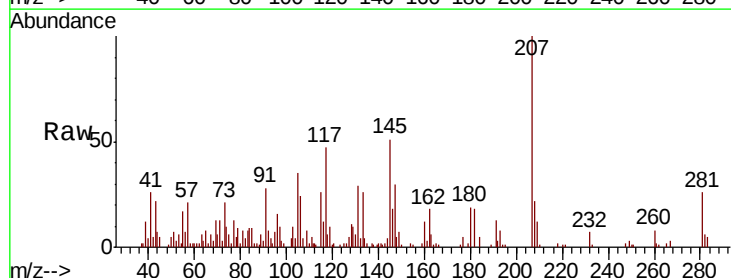
Tgt Ion: 180 Resp: 4902

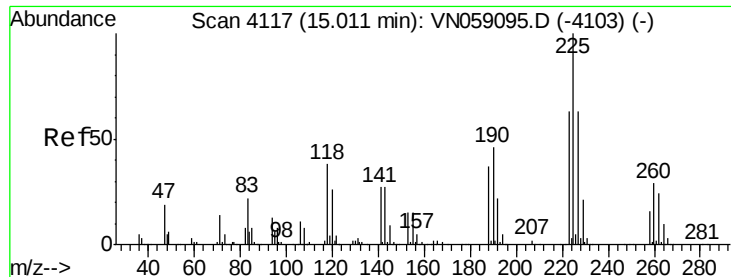
Ion Ratio Lower Upper

180 100

182 104.9 48.1 144.3

145 150.2 15.1 45.3#





#94

Hexachlorobutadiene

Concen: 0.244 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

Instrument :

MSVOA_N

ClientSampleId :

SB-22-(14-15)MEDL

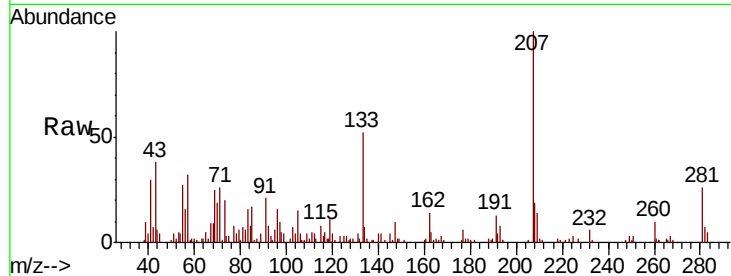
Tot Ion:225 Resp: 737

Ion Ratio Lower Upper

225 100

223 38.5 31.3 93.9

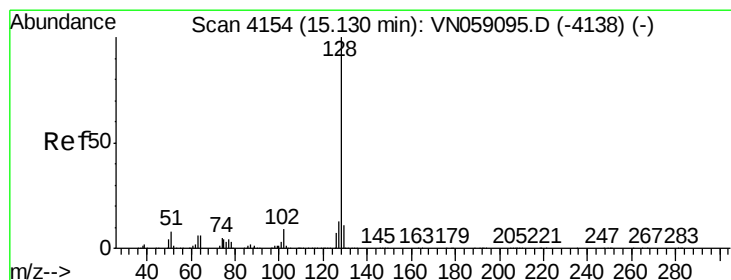
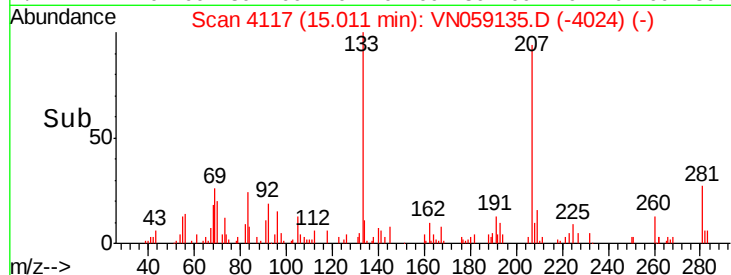
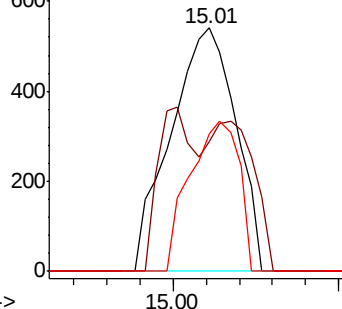
227 46.9 31.5 94.5



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: 28.129 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059135.D

Acq: 8 Nov 2019 15:53

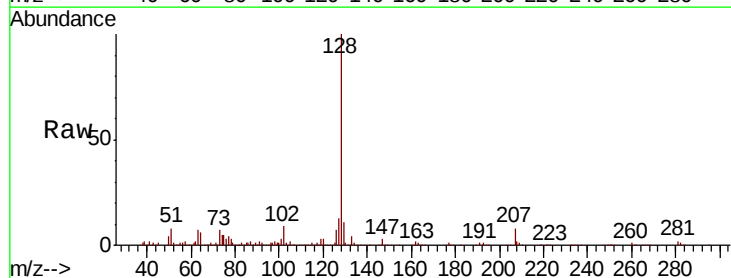
Tgt Ion:128 Resp: 393434

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.2

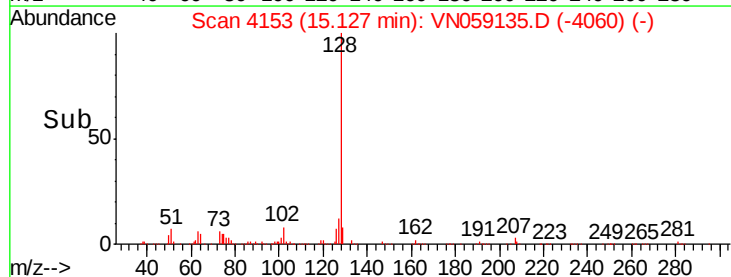
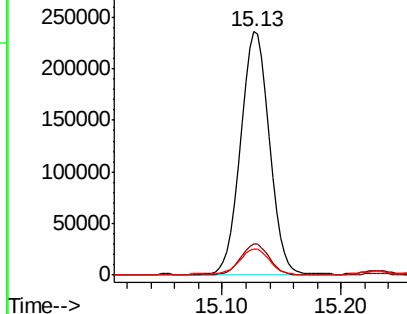
129 10.7 8.6 12.8

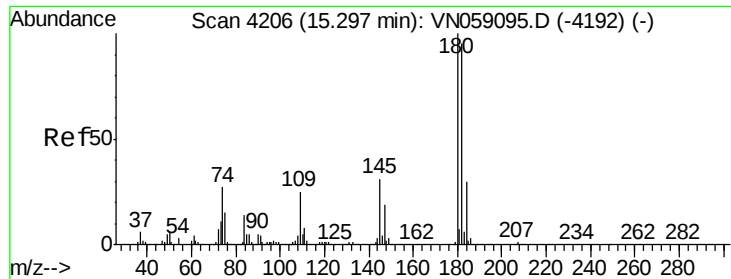


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

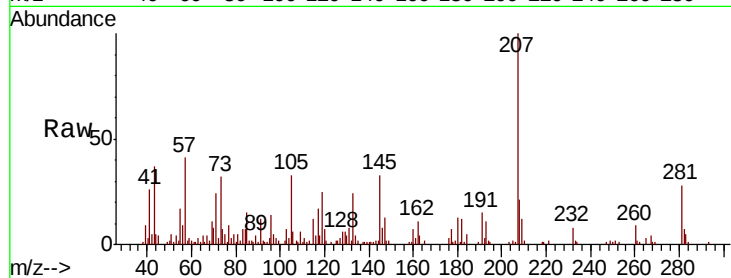




#96
 1,2,3-Trichlorobenzene
 Concen: 1.132 ug/l
 RT: 15.30 min Scan# 4206
 Delta R.T. -0.00 min
 Lab File: VN059135.D
 Acq: 8 Nov 2019 15:53

Instrument :
 MSVOA_N
 ClientSampleId :
 SB-22-(14-15)MEDL

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	47.3	141.8
145	194.4	15.8	47.3#



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

