

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN092820\
 Data File : VN063718.D
 Acq On : 28 Sep 2020 20:20
 Operator : JC/MD
 Sample : L4178-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

Quant Time: Sep 29 00:43:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091620W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 16 13:05:20 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	259749	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	473873	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	490139	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	254497	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	200163	45.27	ug/l	0.00
Spiked Amount			Recovery	=	90.54%	
35) Dibromofluoromethane	7.55	113	148029	45.12	ug/l	0.00
Spiked Amount			Recovery	=	90.24%	
50) Toluene-d8	10.06	98	647676	52.51	ug/l	0.00
Spiked Amount			Recovery	=	105.02%	
62) 4-Bromofluorobenzene	12.38	95	283590	62.71	ug/l	0.00
Spiked Amount			Recovery	=	125.42%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.72	59	1157	1.889	ug/l #	72
13) Acrolein	3.53	56	4345	19.141	ug/l #	1
14) Allyl chloride	4.35	41	22927	3.954	ug/l #	63
15) Acrylonitrile	5.00	53	31324	20.104	ug/l #	41
16) Acetone	3.77	43	81147	57.104	ug/l #	80
17) Carbon Disulfide	4.02	76	7602	0.892	ug/l #	84
18) Methyl Acetate	4.55	43	1042218	288.904	ug/l #	54
20) Methylene Chloride	4.38	84	1971	0.547	ug/l #	10
23) Vinyl Acetate	5.89	43	8040	0.828	ug/l #	75
24) 1,1-Dichloroethane	5.87	63	1628	0.252	ug/l #	84
25) 2-Butanone	6.79	43	23770	10.876	ug/l	91
26) 2,2-Dichloropropane	6.58	77	10008	1.761	ug/l #	55
28) Bromochloromethane	7.34	49	883	0.296	ug/l #	20
29) Tetrahydrofuran	7.18	42	2009	1.346	ug/l #	38
30) Chloroform	7.29	83	35707	5.513	ug/l #	18
31) Cyclohexane	7.61	56	852072	139.530	ug/l	98
36) 1,1-Dichloropropene	7.62	75	24490	4.851	ug/l #	65
37) Ethyl Acetate	6.79	43	23770	4.797	ug/l #	70
38) Carbon Tetrachloride	7.63	117	28350	5.501	ug/l #	17
39) Methylcyclohexane	9.05	83	1040944	189.981	ug/l	97
40) Benzene	8.01	78	174200	12.088	ug/l	98
41) Methacrylonitrile	7.16	41	12065	5.414	ug/l #	100
43) Isopropyl Acetate	8.12	43	91794	10.361	ug/l #	65
45) 1,2-Dichloropropane	9.05	63	16105	4.103	ug/l #	1
47) Bromodichloromethane	9.36	83	31847	5.942	ug/l #	25
48) Methyl methacrylate	9.11	41	74043	17.010	ug/l #	41
51) 4-Methyl-2-Pentanone	9.99	43	25445	5.130	ug/l #	86
52) Toluene	10.13	92	135407	15.627	ug/l	100
55) 1,1,2-Trichloroethane	10.50	97	156337	45.425	ug/l #	20
56) Ethyl methacrylate	10.40	69	55555	10.340	ug/l #	13
58) 2-Chloroethyl Vinyl ether	9.64	63	3325	1.180	ug/l #	51
59) 2-Hexanone	10.69	43	91123	25.359	ug/l #	32
65) Chlorobenzene	11.51	112	2768	0.266	ug/l #	43
67) Ethyl Benzene	11.49	91	3171161	161.850	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

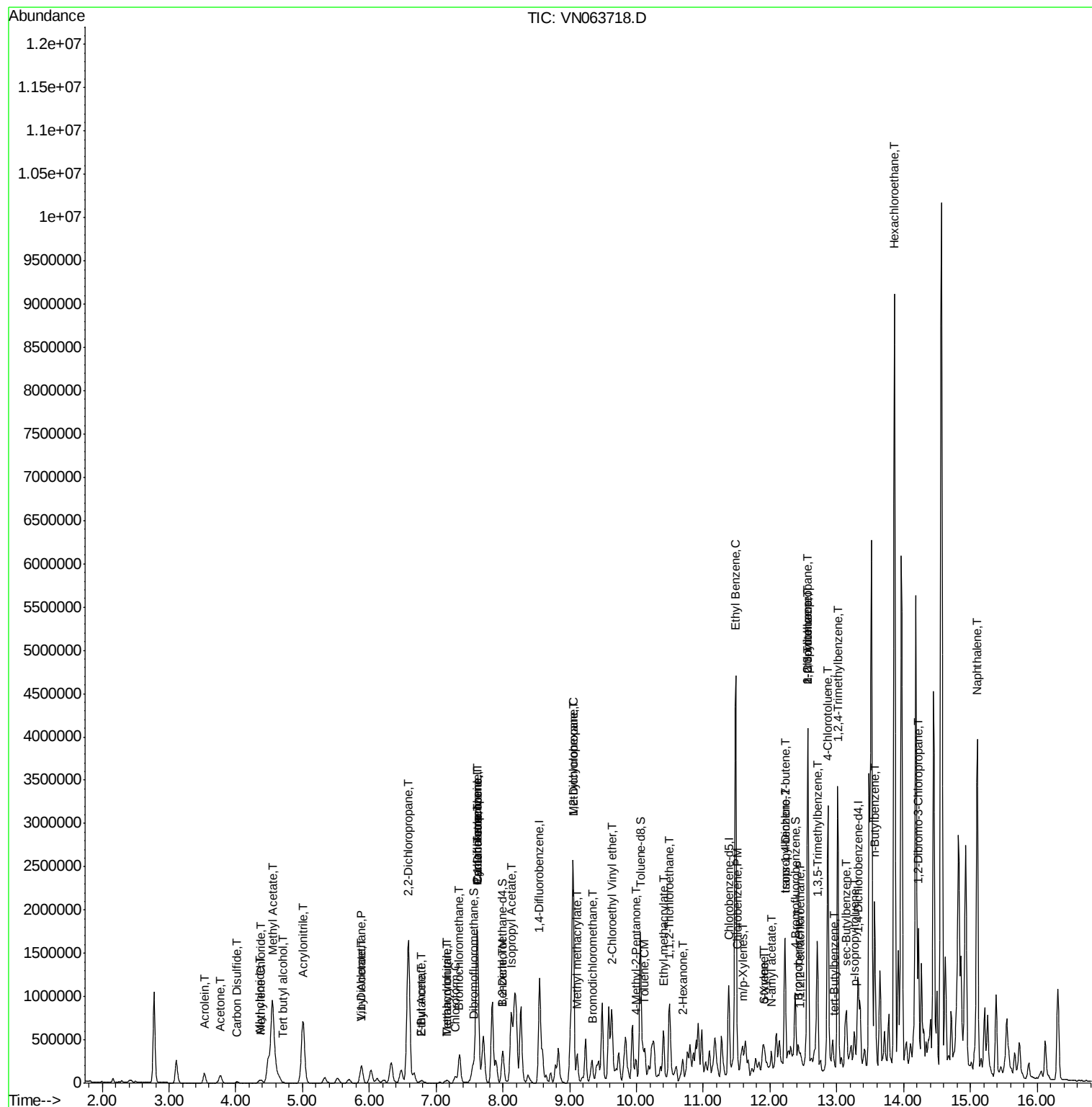
68) m/p-Xylenes	11.59	106	88497	12.527	uq/l	97
69) o-Xylene	11.92	106	40283	5.986	uq/l	95
70) Styrene	11.92	104	2716	0.241	uq/l #	1
73) Isopropylbenzene	12.23	105	977685	47.940	uq/l	99
74) N-amyl acetate	12.02	43	65507	6.786	uq/l #	59
75) 1,1,2,2-Tetrachloroethane	12.45	83	4826	0.764	uq/l #	26
76) 1,2,3-Trichloropropane	12.57	75	21755	3.454	uq/l #	100
77) Bromobenzene	12.41	156	56789	12.379	uq/l #	1
78) n-propylbenzene	12.57	91	3031659	127.631	uq/l	98
79) 2-Chlorotoluene	12.57	91	3031659	212.915	uq/l #	43
80) 1,3,5-Trimethylbenzene	12.71	105	657029	38.635	uq/l	99
81) trans-1,4-Dichloro-2-buten	12.23	75	13113	5.707	uq/l #	63
82) 4-Chlorotoluene	12.86	91	245486	16.317	uq/l #	44
83) tert-Butylbenzene	12.97	119	15108	1.076	uq/l #	76
84) 1,2,4-Trimethylbenzene	13.02	105	1774634	103.312	uq/l	99
85) sec-Butylbenzene	13.15	105	357017	19.003	uq/l #	62
86) p-Isopropyltoluene	13.26	119	156343	9.435	uq/l	99
89) n-Butylbenzene	13.57	91	319423	20.912	uq/l #	1
90) Hexachloroethane	13.86	117	480178	152.178	uq/l #	14
92) 1,2-Dibromo-3-Chloropropan	14.22	75	5258	3.497	uq/l #	13
95) Naphthalene	15.10	128	3141819	193.234	uq/l	100

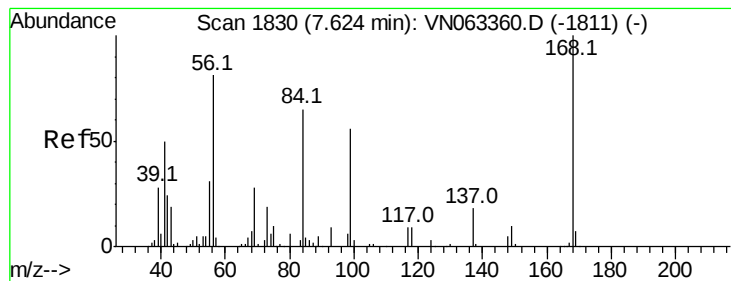
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. 0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

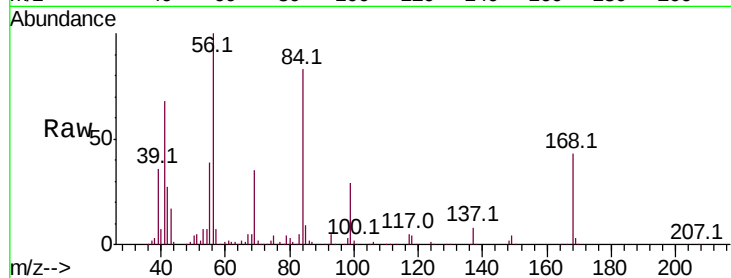
TP-6

Tot Ion:168 Resp: 259749

Ion Ratio Lower Upper

168 100

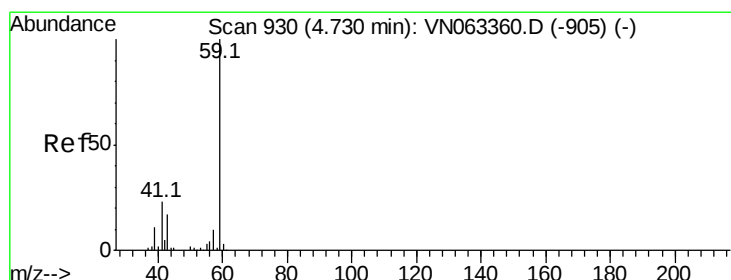
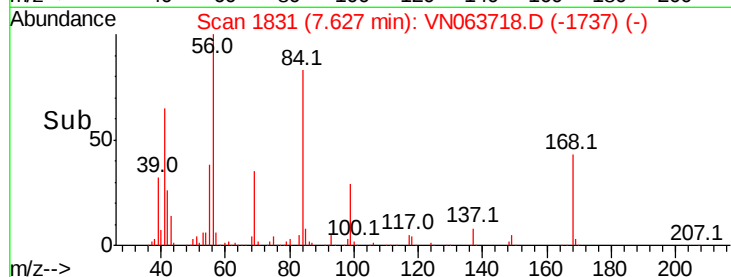
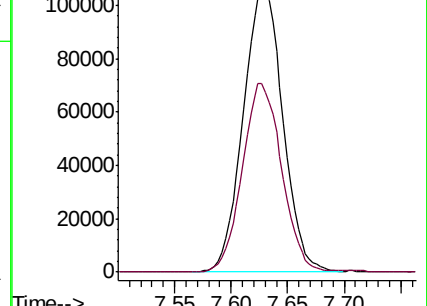
99 66.8 53.0 79.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63



#11

Tert butyl alcohol

Concen: 1.889 ug/l

RT: 4.72 min Scan# 927

Delta R.T. -0.01 min

Lab File: VN063718.D

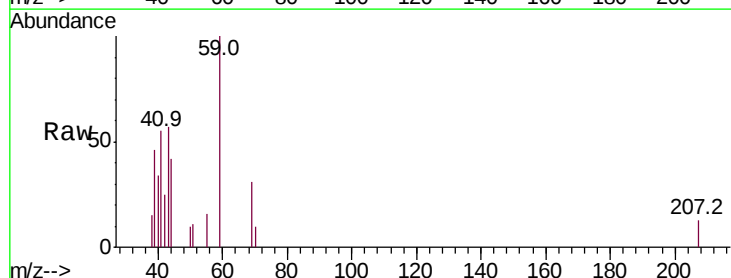
Acq: 28 Sep 2020 20:20

Tgt Ion: 59 Resp: 1157

Ion Ratio Lower Upper

59 100

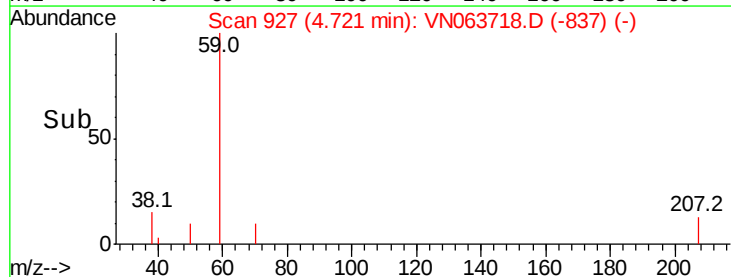
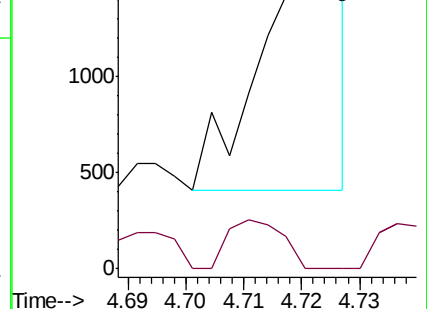
57 0.0 8.4 12.6#

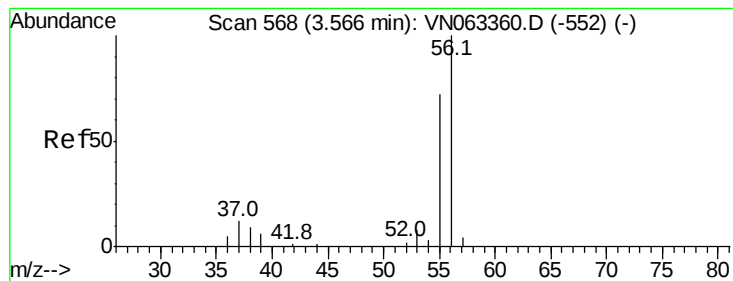


Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.72





#13

Acrolein

Concen: 19.141 ug/l

RT: 3.53 min Scan# 558

Delta R.T. -0.03 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

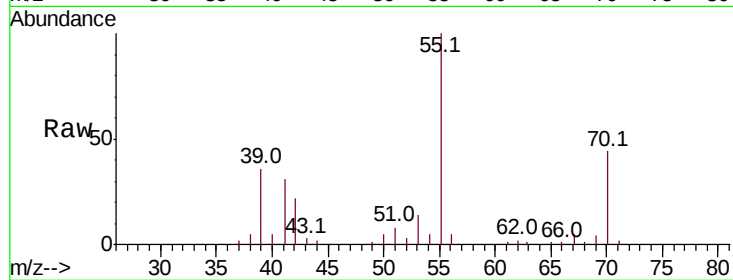
TP-6

Tot Ion: 56 Resp: 4345

Ion Ratio Lower Upper

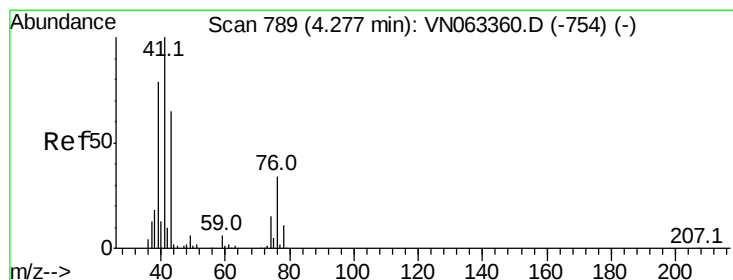
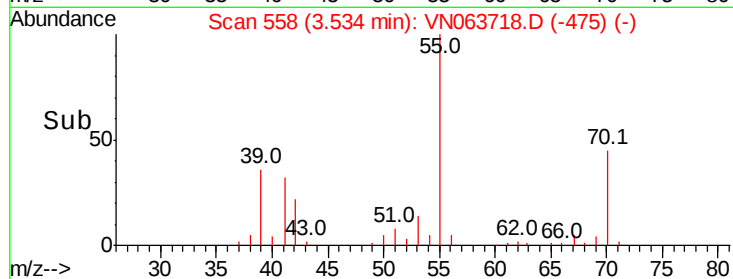
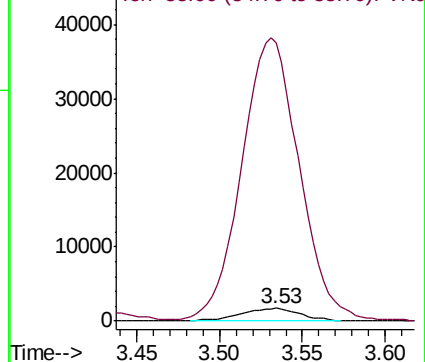
56 100

55 2136.3 58.2 87.2#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO



#14

Allyl chloride

Concen: 3.954 ug/l

RT: 4.35 min Scan# 812

Delta R.T. 0.07 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

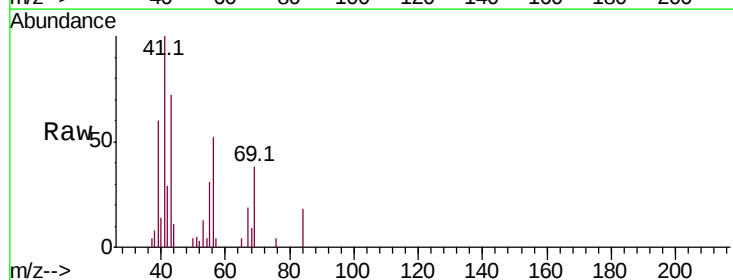
Tgt Ion: 41 Resp: 22927

Ion Ratio Lower Upper

41 100

39 50.5 59.3 88.9#

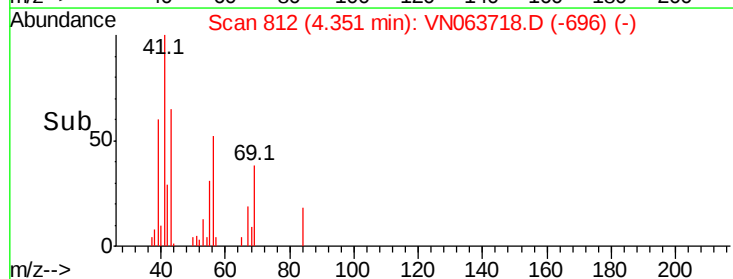
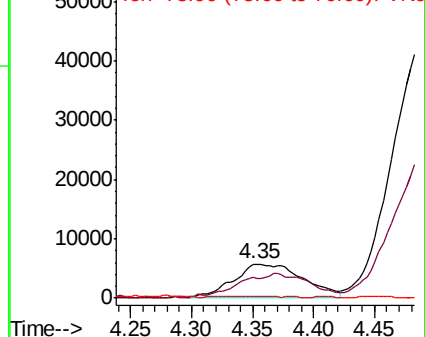
76 0.0 25.3 37.9#

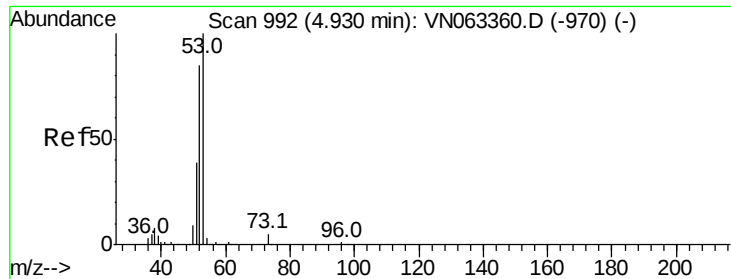


Abundance Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

Ion 75.90 (75.60 to 76.60): VNO





#15

Acrylonitrile

Concen: 20.104 ug/l

RT: 5.00 min Scan# 1015

Delta R.T. 0.07 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

TP-6

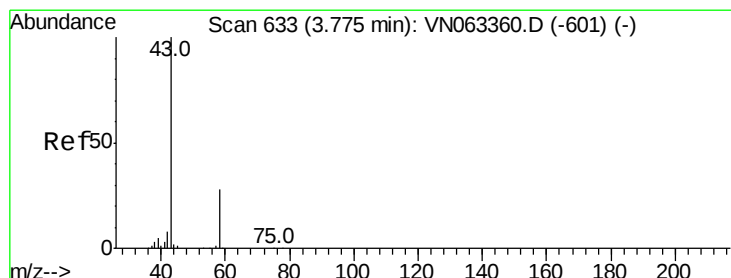
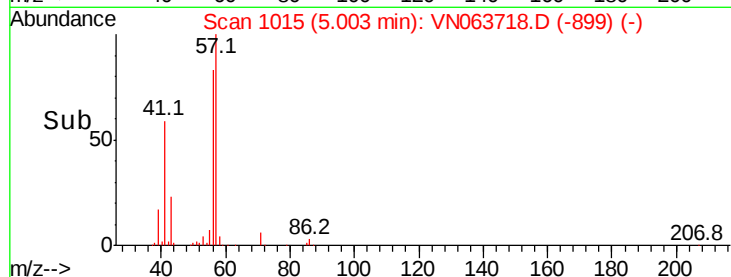
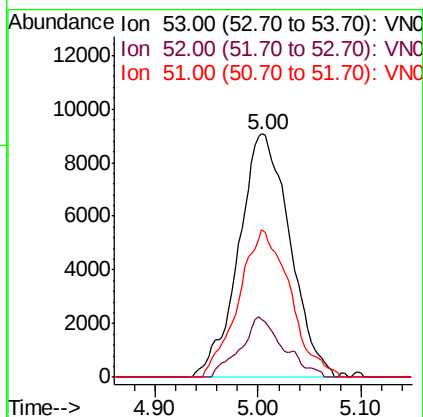
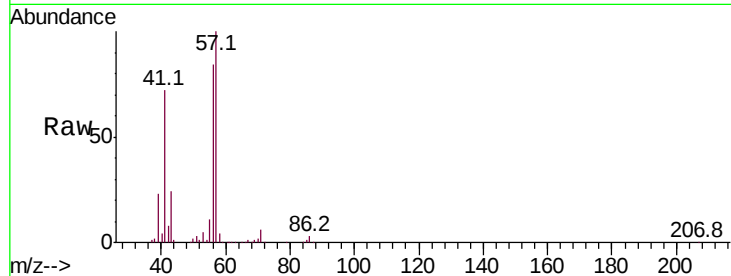
Tot Ion: 53 Resp: 31324

Ion Ratio Lower Upper

53 100

52 20.8 66.4 99.6#

51 60.9 30.2 45.4#



#16

Acetone

Concen: 57.104 ug/l

RT: 3.77 min Scan# 632

Delta R.T. -0.00 min

Lab File: VN063718.D

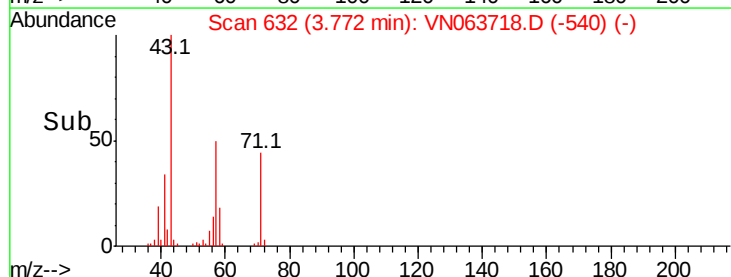
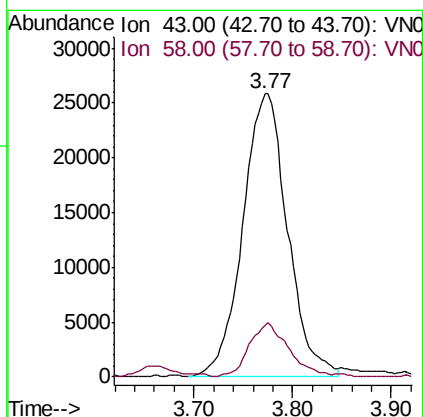
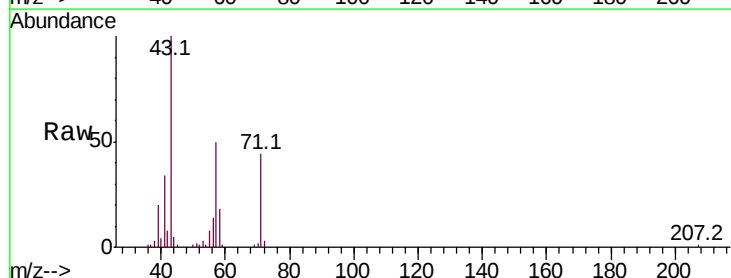
Acq: 28 Sep 2020 20:20

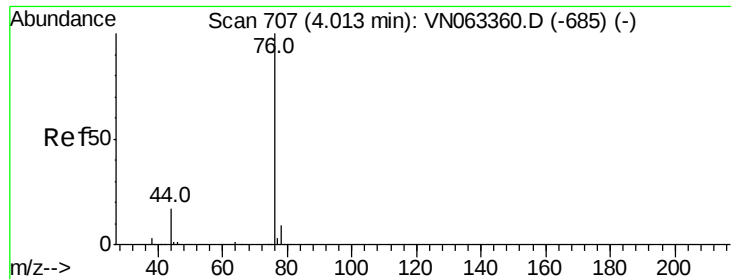
Tgt Ion: 43 Resp: 81147

Ion Ratio Lower Upper

43 100

58 17.4 22.3 33.5#





#17

Carbon Disulfide

Concen: 0.892 ug/l

RT: 4.02 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

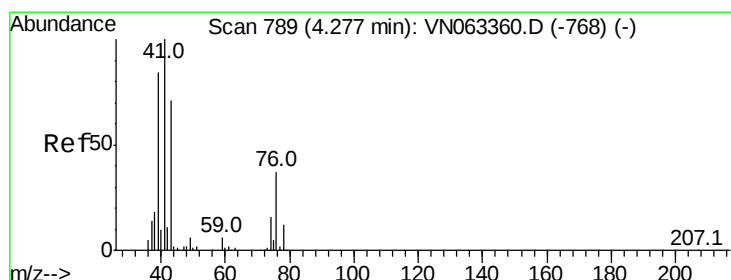
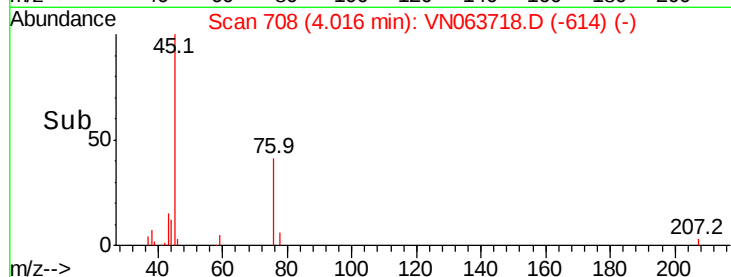
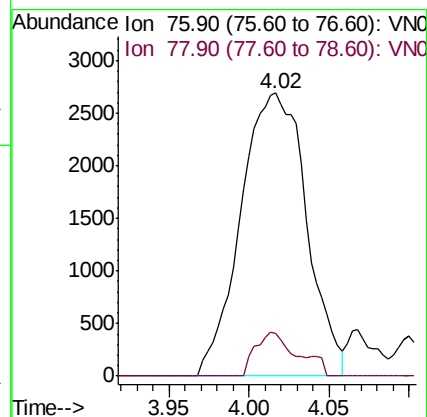
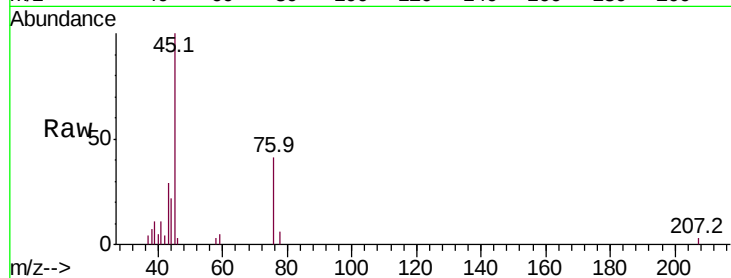
TP-6

Tot Ion: 76 Resp: 7602

Ion Ratio Lower Upper

76 100

78 14.9 7.2 10.8#



#18

Methyl Acetate

Concen: 288.904 ug/l

RT: 4.55 min Scan# 873

Delta R.T. 0.27 min

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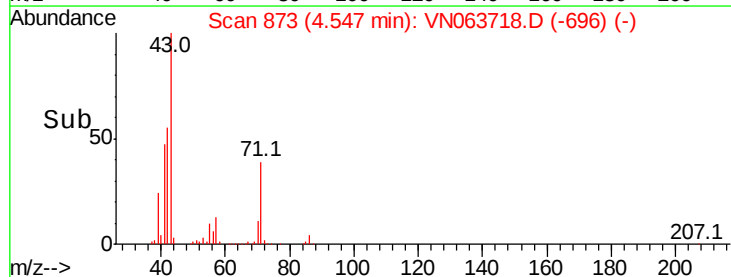
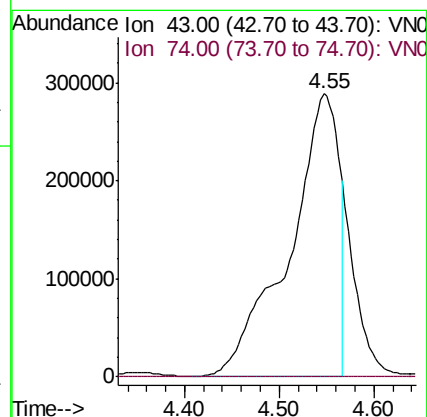
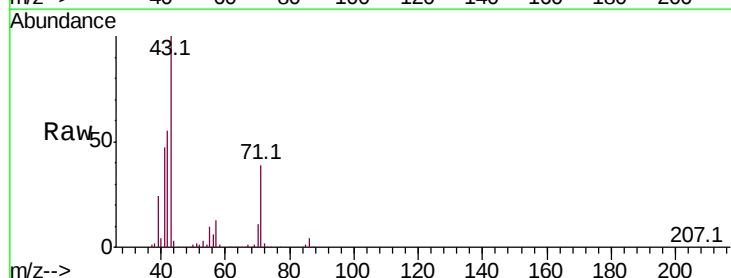
Acq: 28 Sep 2020 20:20

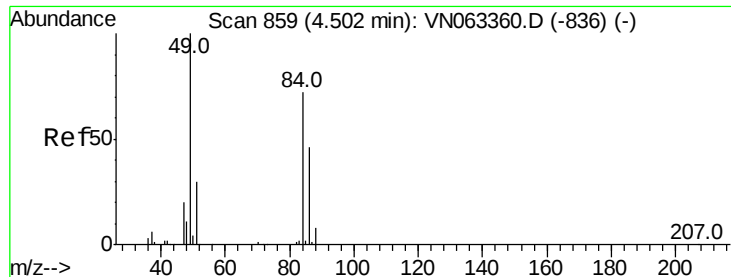
Tgt Ion: 43 Resp: 1042218

Ion Ratio Lower Upper

43 100

74 0.0 17.4 26.2#

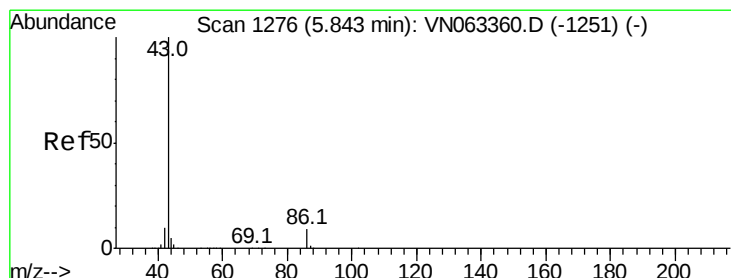
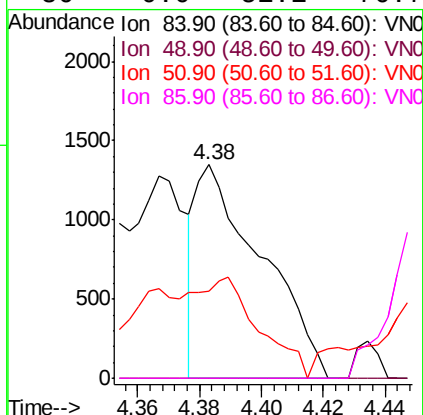
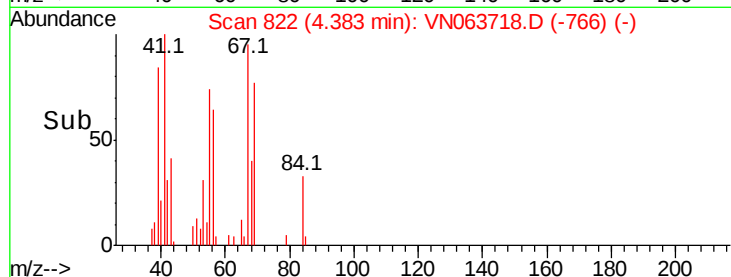
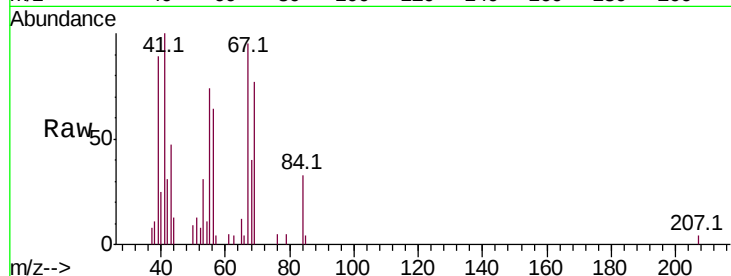




#20
Methvlene Chloride
Concen: 0.547 ug/l
RT: 4.38 min Scan# 822
Delta R.T. -0.12 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

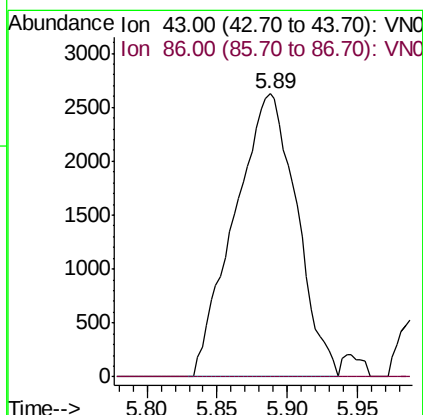
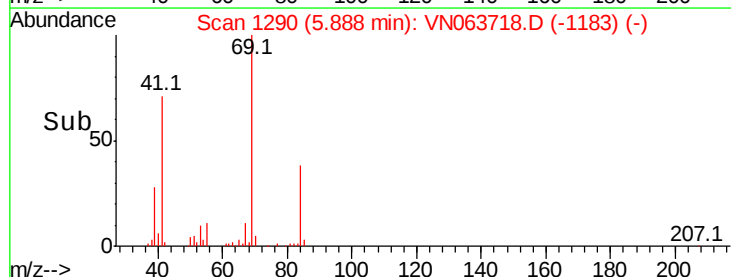
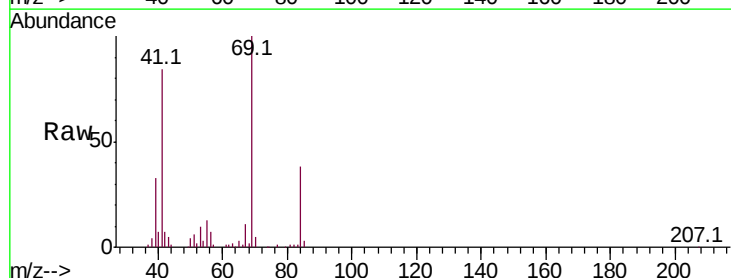
Instrument :
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ClientSampled :
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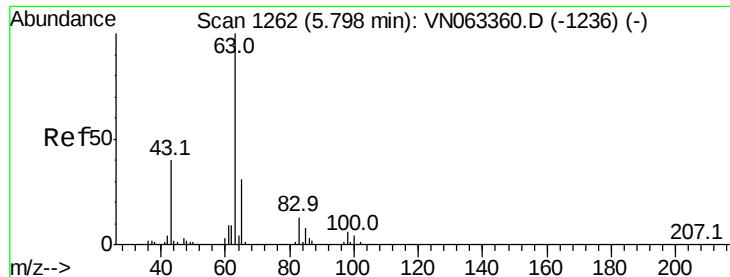
Tot Ion: 84 Resp: 1971
Ion Ratio Lower Upper
84 100
49 0.0 110.7 166.1#
51 26.5 32.9 49.3#
86 0.0 51.1 76.7#



#23
Vinyl Acetate
Concen: 0.828 ug/l
RT: 5.89 min Scan# 1290
Delta R.T. 0.04 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion: 43 Resp: 8040
Ion Ratio Lower Upper
43 100
86 0.0 7.1 10.7#





#24

1,1-Dichloroethane

Concen: 0.252 ug/l

RT: 5.87 min Scan# 1285

Delta R.T. 0.07 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

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ClientSampled :

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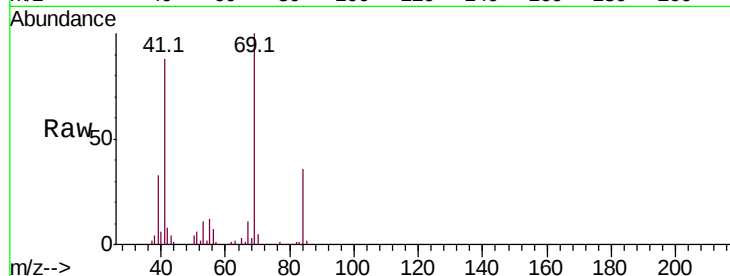
Tot Ion: 63 Resp: 1628

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

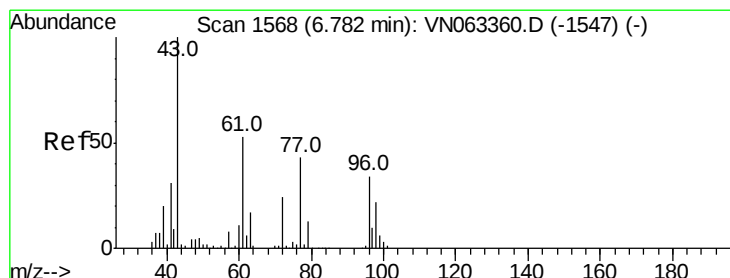
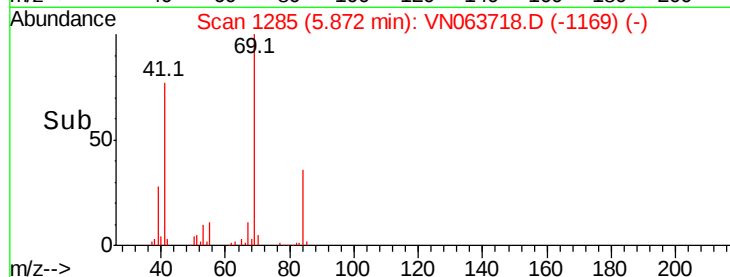
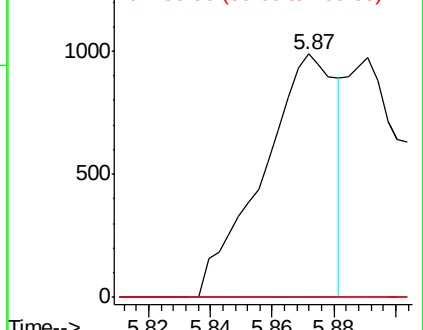
100 0.0 2.1 6.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 10.876 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN063718.D

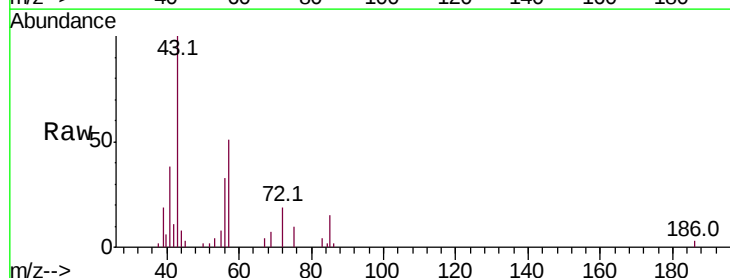
Acq: 28 Sep 2020 20:20

Tgt Ion: 43 Resp: 23770

Ion Ratio Lower Upper

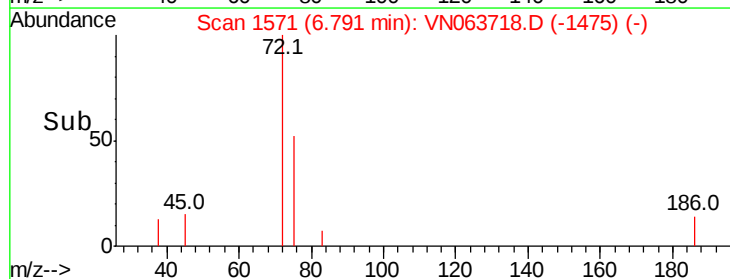
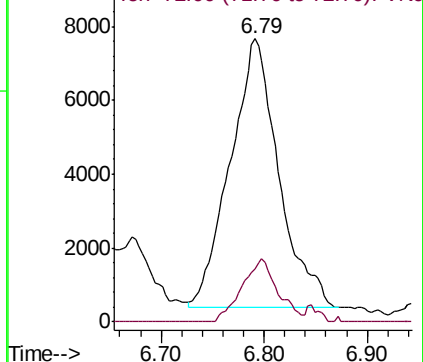
43 100

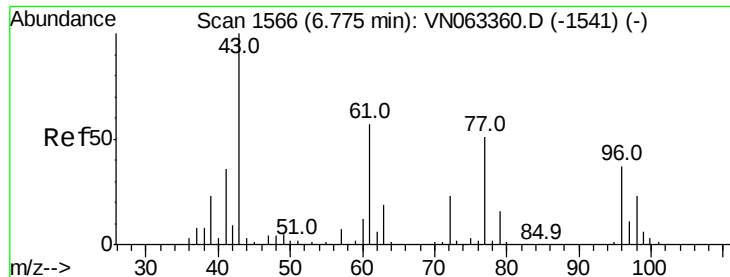
72 19.5 19.2 28.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0





#26

2,2-Dichloropropane

Concen: 1.761 ug/l

RT: 6.58 min Scan# 1505

Delta R.T. -0.20 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

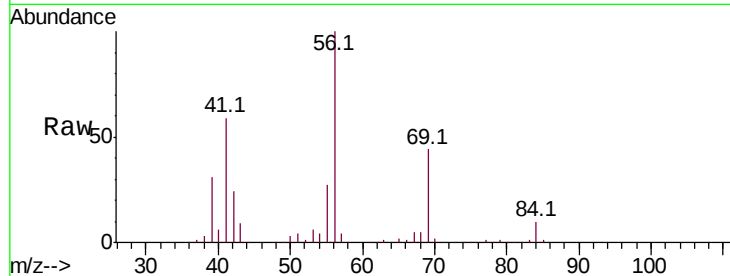
TP-6

Tot Ion: 77 Resp: 10008

Ion Ratio Lower Upper

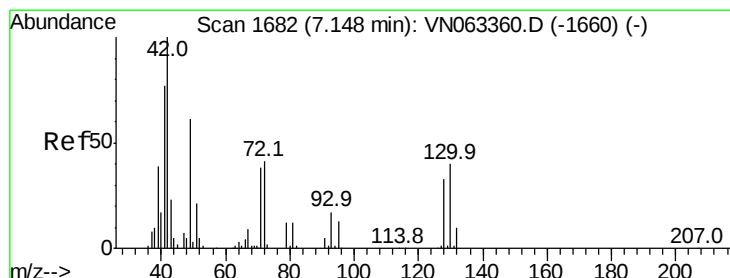
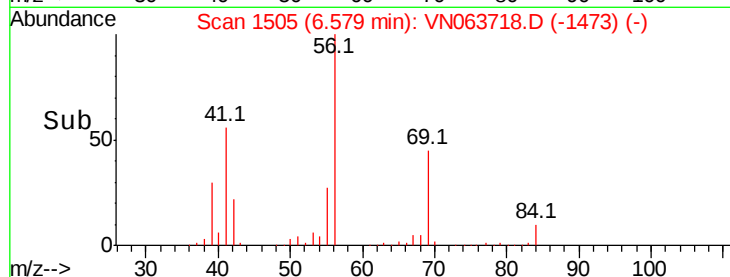
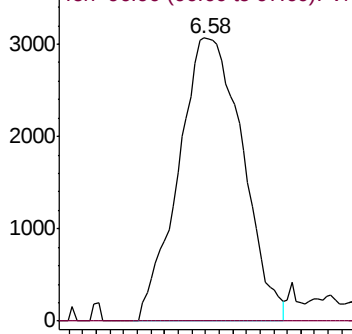
77 100

97 0.0 10.5 31.6#



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



#28

Bromochloromethane

Concen: 0.296 ug/l

RT: 7.34 min Scan# 1741

Delta R.T. 0.19 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

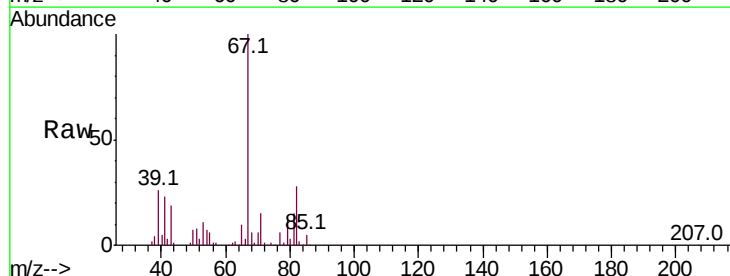
Tgt Ion: 49 Resp: 883

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

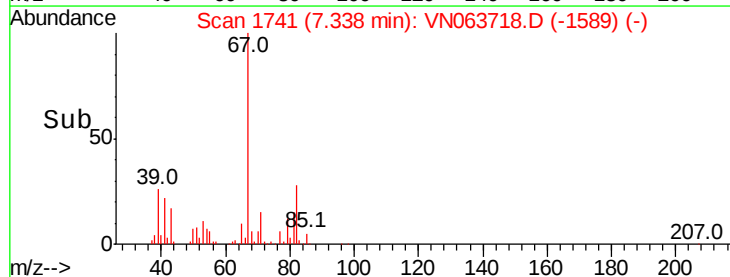
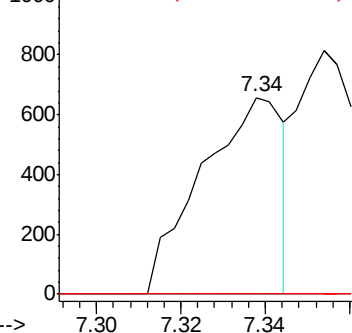
130 0.0 52.2 78.2#

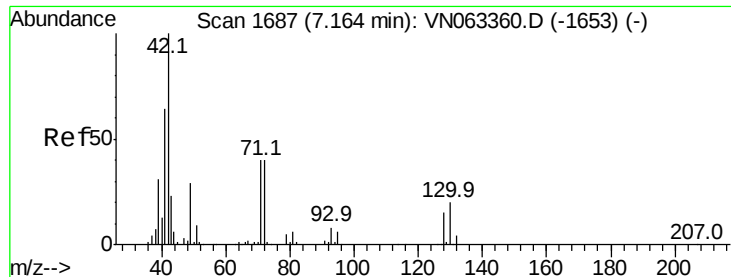


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 1.346 ug/l

RT: 7.18 min Scan# 1691

Delta R.T. 0.01 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

TP-6

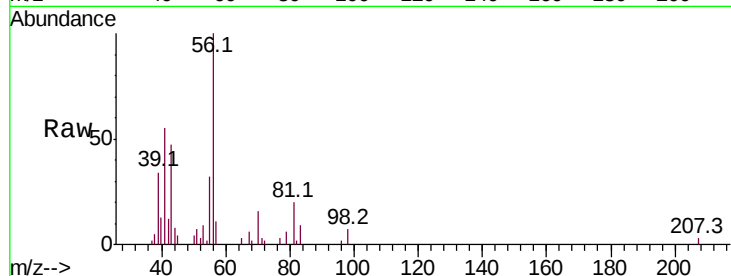
Tot Ion: 42 Resp: 2009

Ion Ratio Lower Upper

42 100

72 3.4 32.1 48.1#

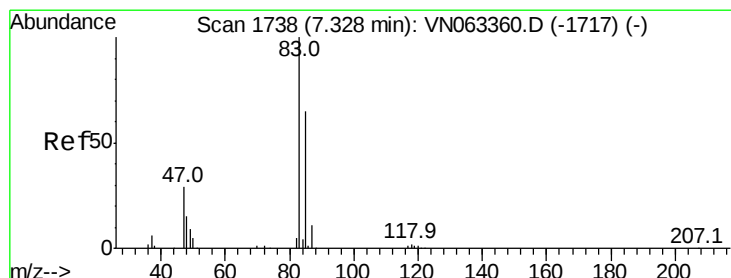
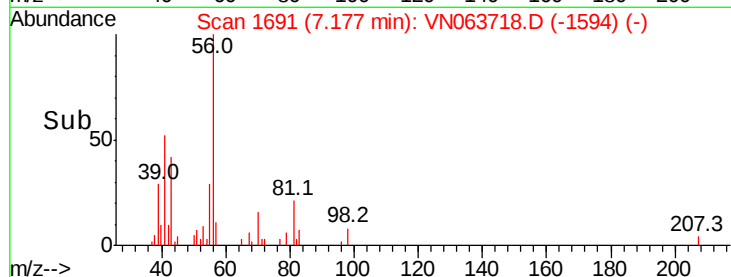
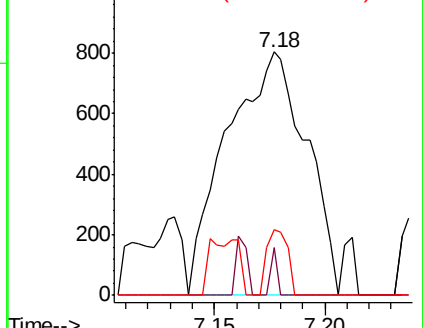
71 0.0 31.2 46.8#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 5.513 ug/l

RT: 7.29 min Scan# 1726

Delta R.T. -0.04 min

Lab File: VN063718.D

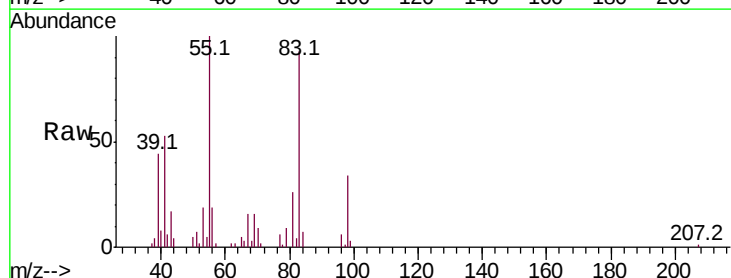
Acq: 28 Sep 2020 20:20

Tgt Ion: 83 Resp: 35707

Ion Ratio Lower Upper

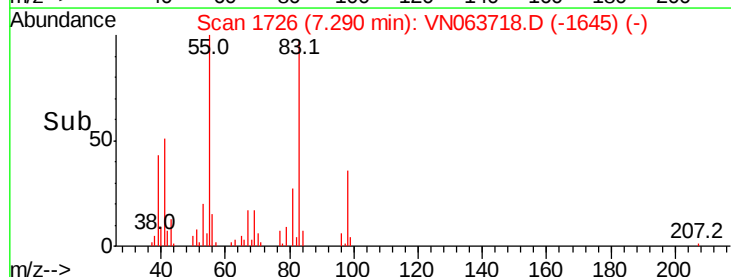
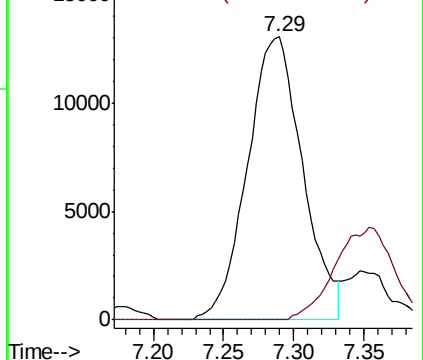
83 100

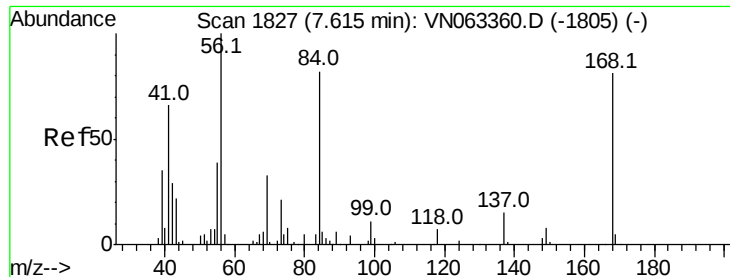
85 0.0 52.1 78.1#



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

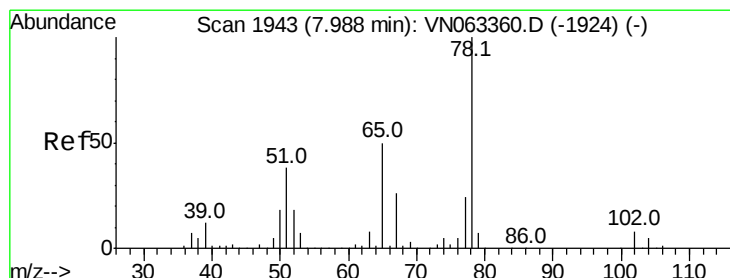
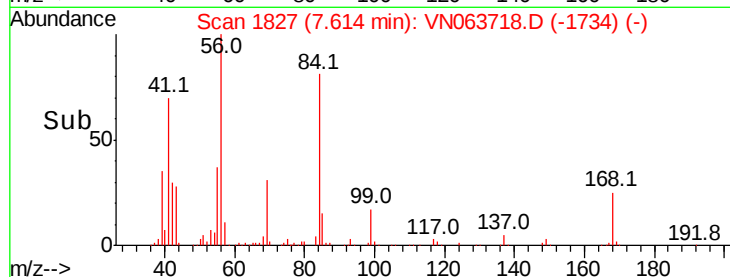
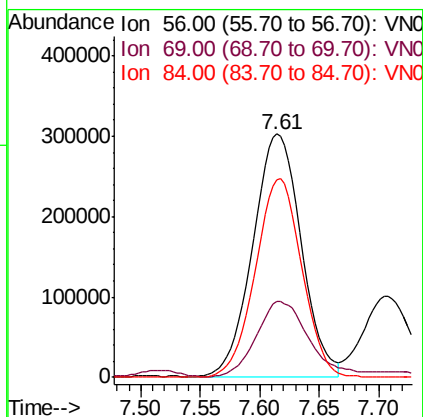
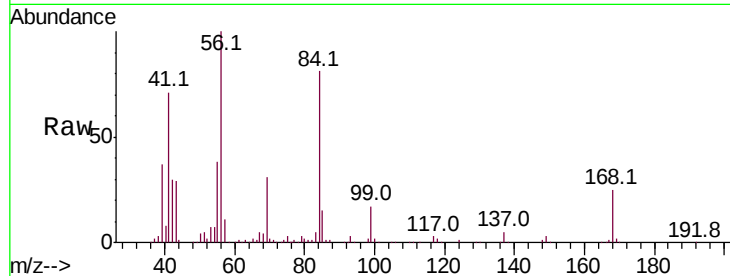




#31
Cyclohexane
Concen: 139.530 ug/l
RT: 7.61 min Scan# 1827
Delta R.T. -0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

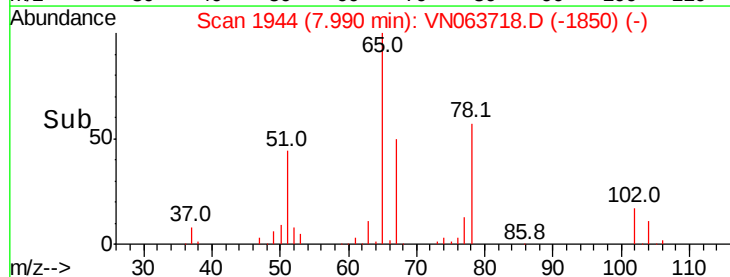
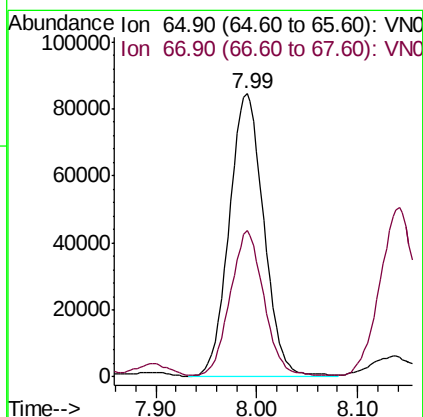
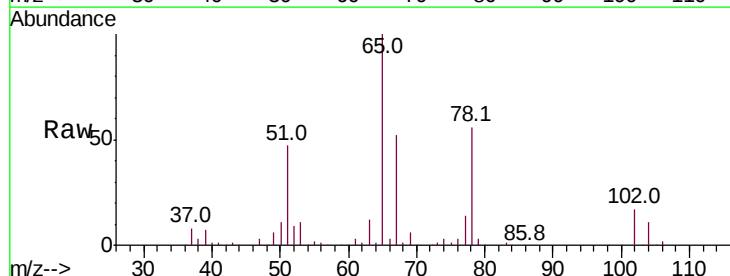
Instrument :
MSVOA_N
ClientSampled :
TP-6

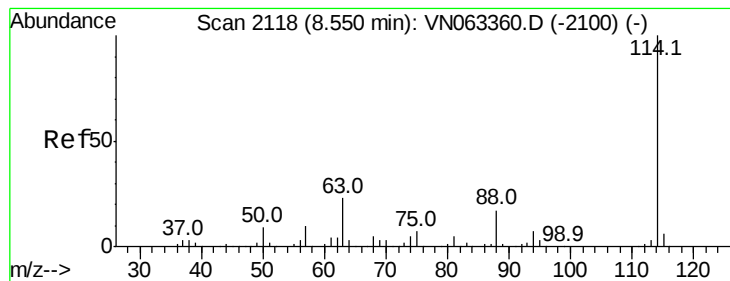
Tot Ion: 56 Resp: 852072
Ion Ratio Lower Upper
56 100
69 30.3 26.1 39.1
84 81.3 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 45.269 ug/l
RT: 7.99 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion: 65 Resp: 200163
Ion Ratio Lower Upper
65 100
67 50.1 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

TP-6

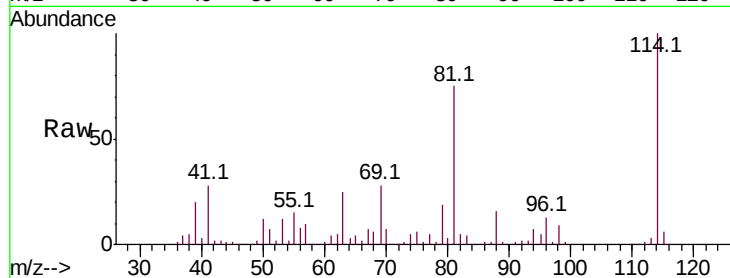
Tot Ion:114 Resp: 473873

Ion Ratio Lower Upper

114 100

63 25.0 0.0 46.4

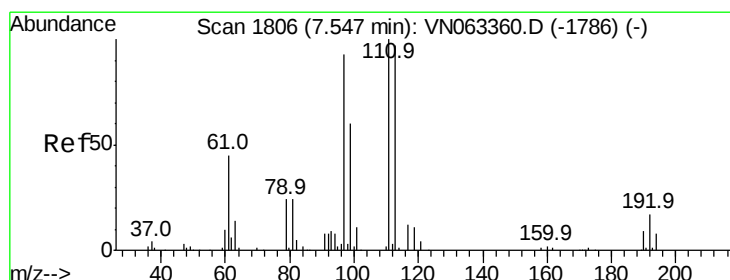
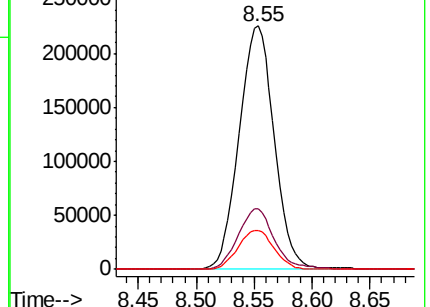
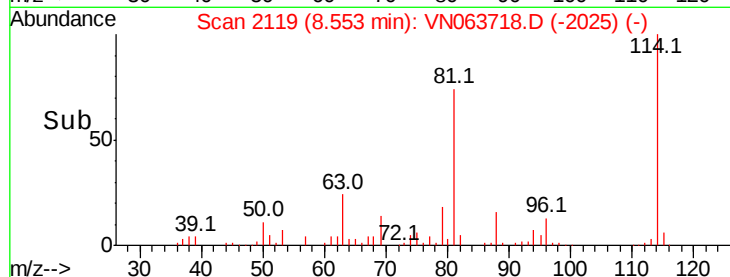
88 15.9 0.0 33.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 45.124 ug/l

RT: 7.55 min Scan# 1807

Delta R.T. 0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

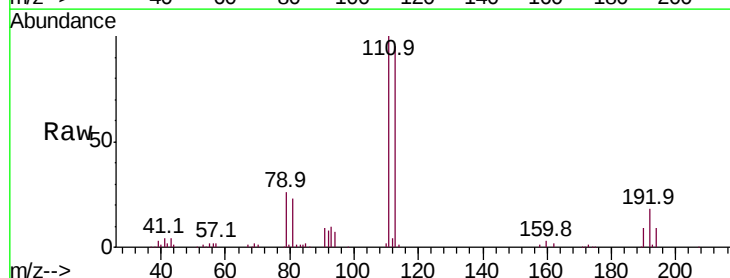
Tgt Ion:113 Resp: 148029

Ion Ratio Lower Upper

113 100

111 102.0 82.9 124.3

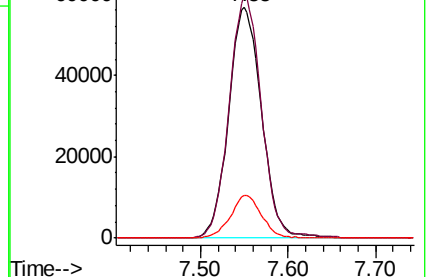
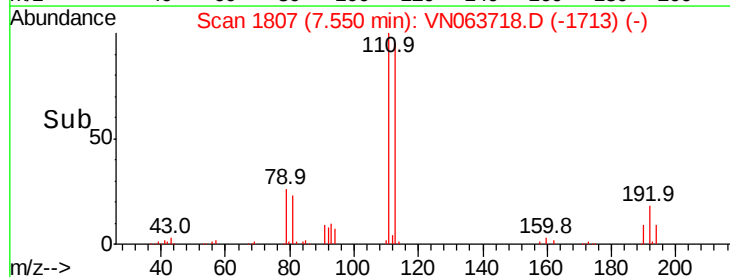
192 17.5 13.9 20.9

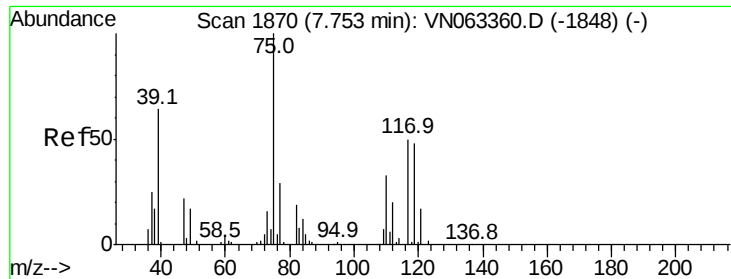


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.851 ug/l

RT: 7.62 min Scan# 1830

Delta R.T. -0.13 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

TP-6

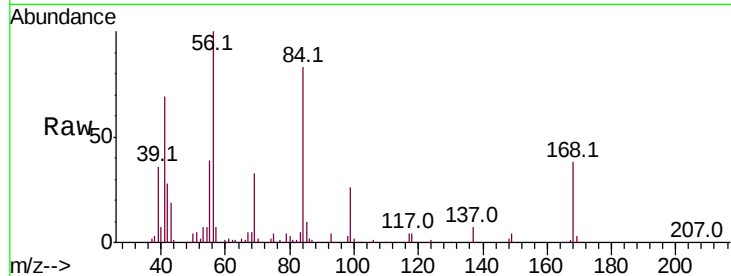
Tot Ion: 75 Resp: 24490

Ion Ratio Lower Upper

75 100

110 7.8 16.5 49.5#

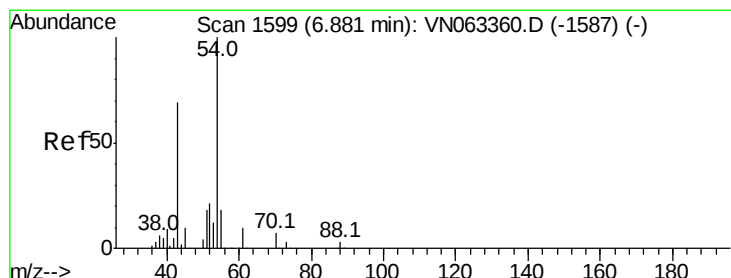
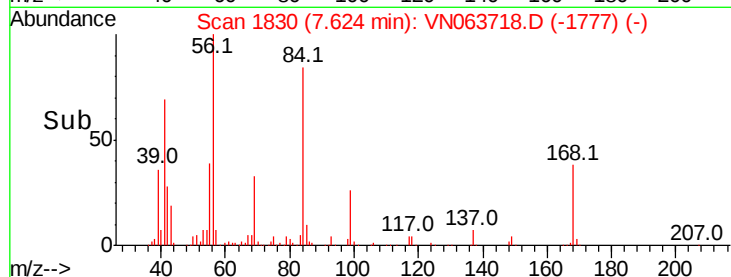
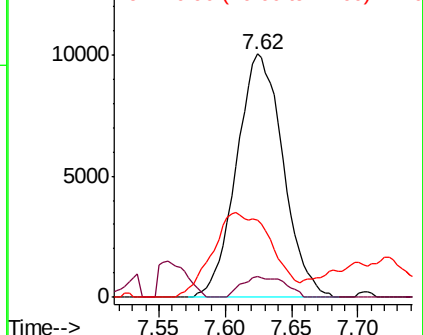
77 44.7 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#37

Ethyl Acetate

Concen: 4.797 ug/l

RT: 6.79 min Scan# 1571

Delta R.T. -0.09 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

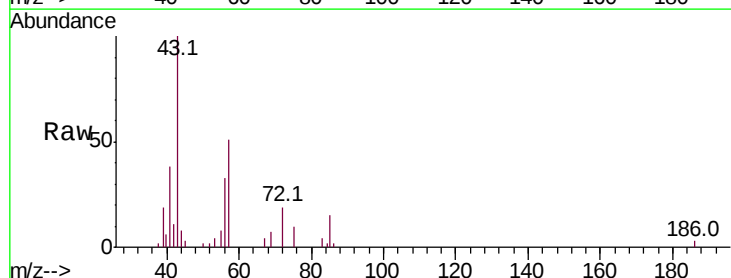
Tgt Ion: 43 Resp: 23770

Ion Ratio Lower Upper

43 100

61 0.0 10.6 15.8#

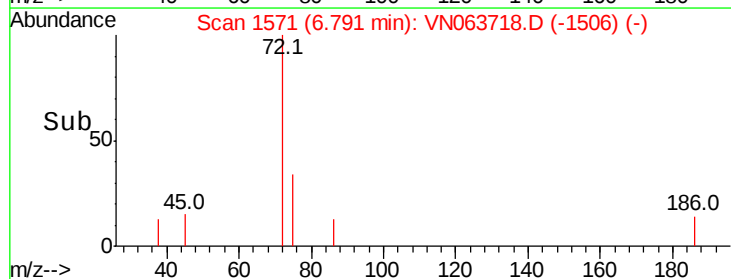
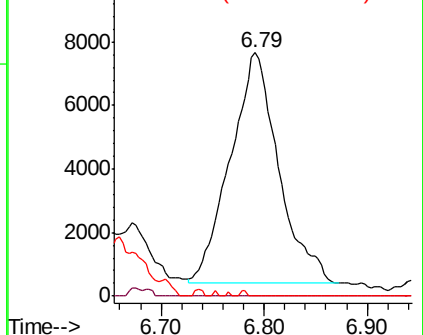
70 0.0 7.2 10.8#

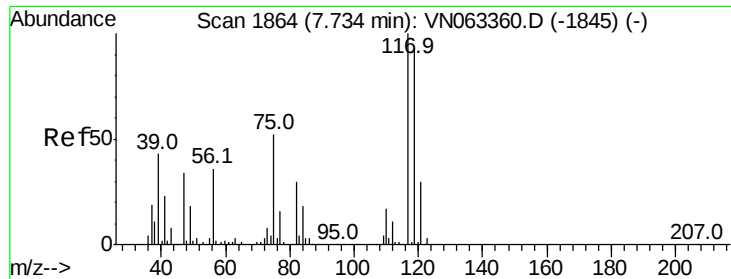


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0

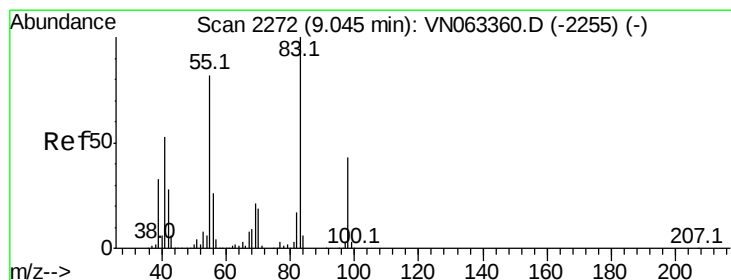
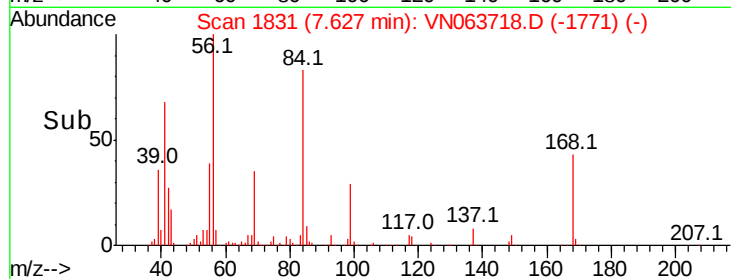
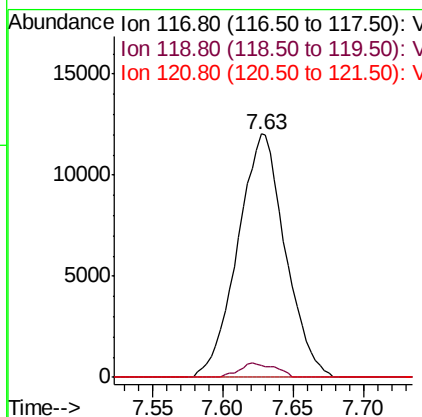
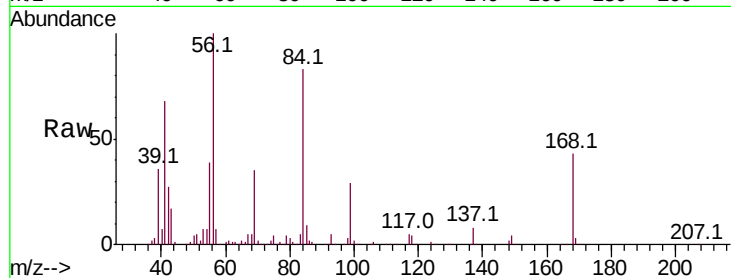




#38
Carbon Tetrachloride
Concen: 5.501 ug/l
RT: 7.63 min Scan# 1831
Delta R.T. -0.11 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

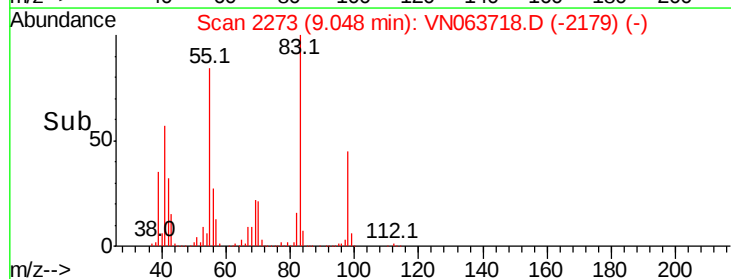
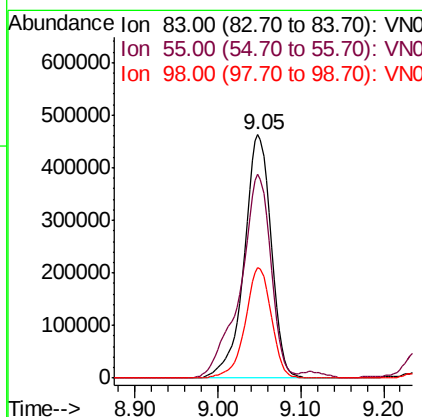
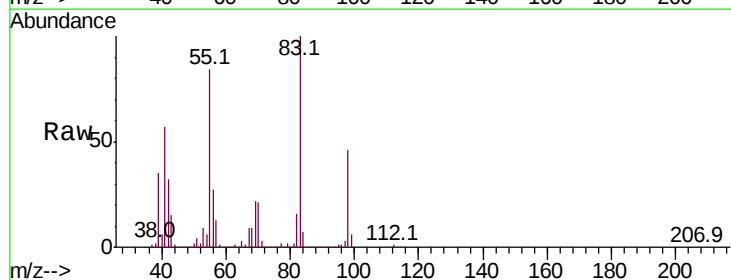
Instrument :
MSVOA_N
ClientSampleId :
TP-6

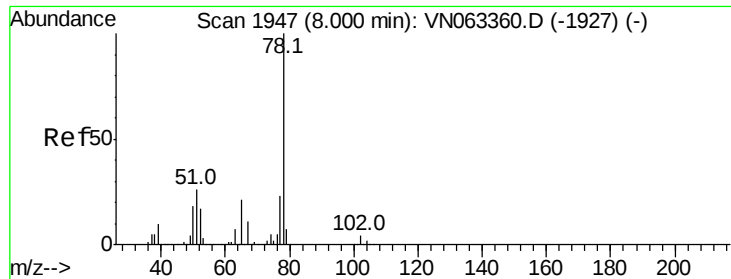
Tot Ion:117 Resp: 28350
Ion Ratio Lower Upper
117 100
119 5.0 74.5 111.7#
121 0.0 24.1 36.1#



#39
Methylcyclohexane
Concen: 189.981 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion: 83 Resp: 1040944
Ion Ratio Lower Upper
83 100
55 83.6 65.5 98.3
98 45.6 34.2 51.4





#40

Benzene

Concen: 12.088 ug/l

RT: 8.01 min Scan# 1949

Delta R.T. 0.01 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

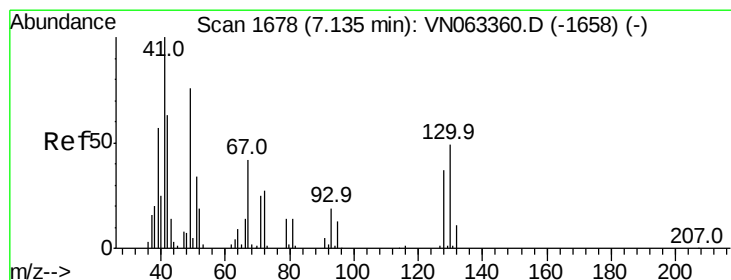
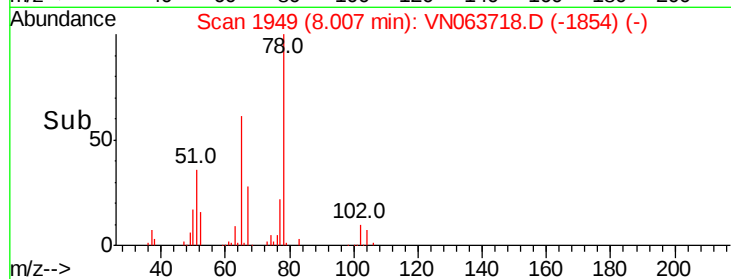
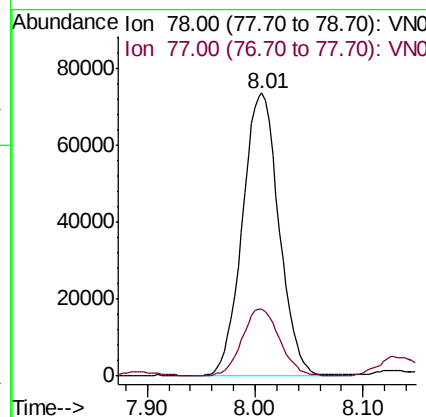
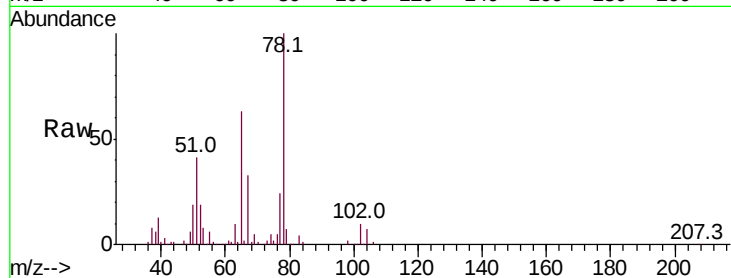
TP-6

Tot Ion: 78 Resp: 174200

Ion Ratio Lower Upper

78 100

77 23.7 18.3 27.5



#41

Methacrylonitrile

Concen: 5.414 ug/l

RT: 7.16 min Scan# 1687

Delta R.T. 0.03 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Tgt Ion: 41 Resp: 12065

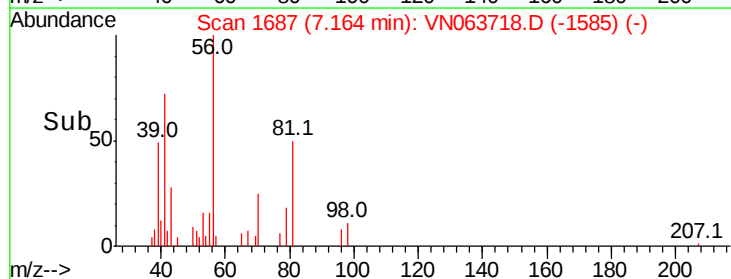
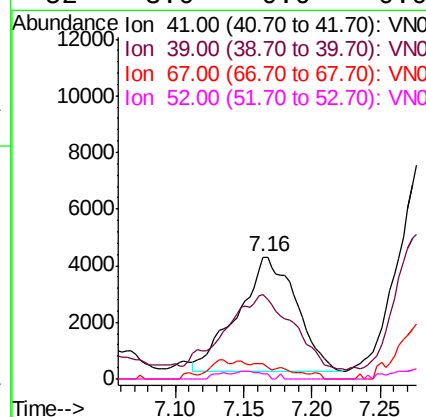
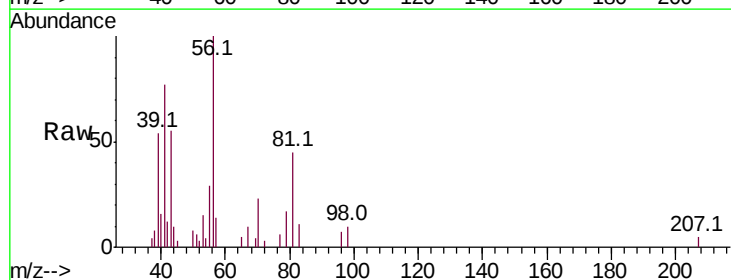
Ion Ratio Lower Upper

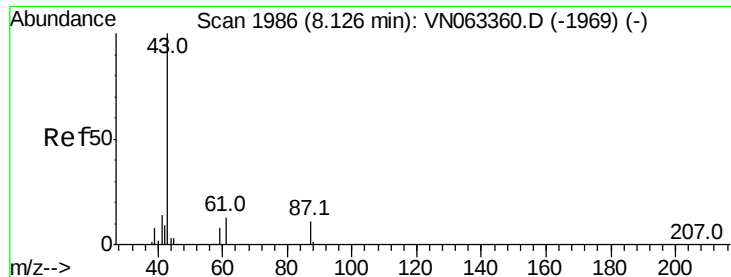
41 100

39 75.1 0.0 0.0#

67 0.0 0.0 0.0

52 3.0 0.0 0.0#





#43

Isopropyl Acetate

Concen: 10.361 ug/l

RT: 8.12 min Scan# 1983

Delta R.T. -0.01 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

TP-6

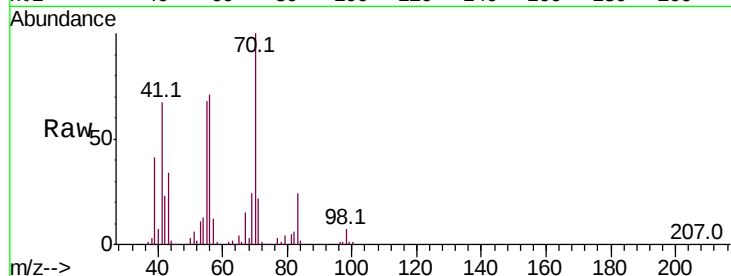
Tot Ion: 43 Resp: 91794

Ion Ratio Lower Upper

43 100

61 0.9 14.2 21.2#

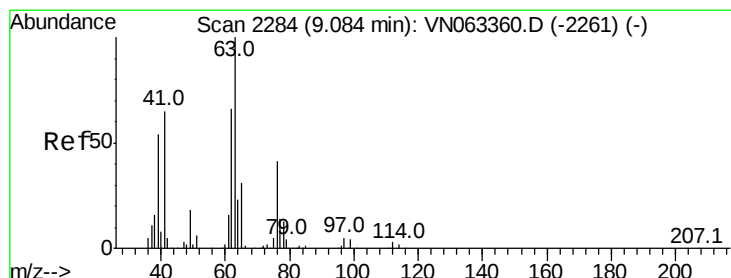
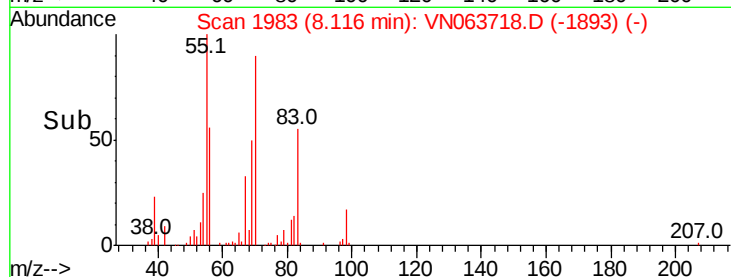
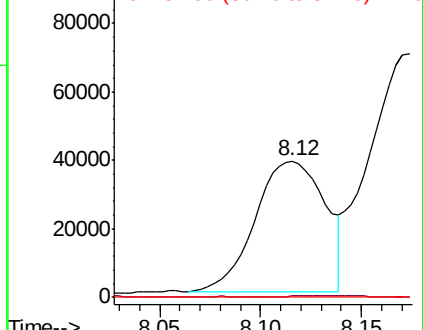
87 0.0 9.0 13.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#45

1,2-Dichloropropane

Concen: 4.103 ug/l

RT: 9.05 min Scan# 2273

Delta R.T. -0.04 min

Lab File: VN063718.D

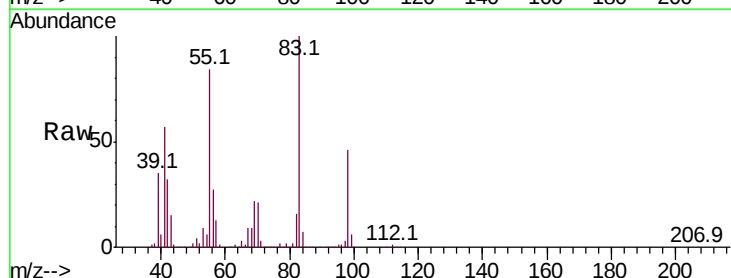
Acq: 28 Sep 2020 20:20

Tgt Ion: 63 Resp: 16105

Ion Ratio Lower Upper

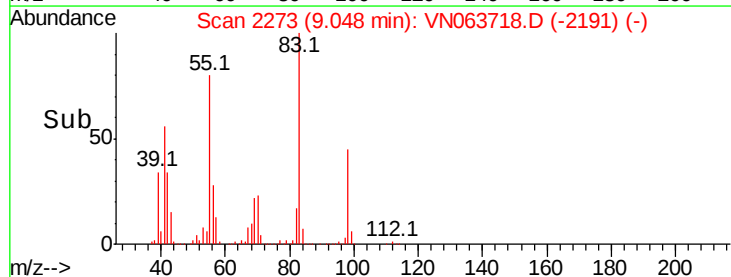
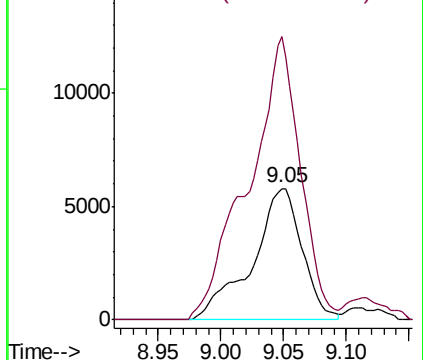
63 100

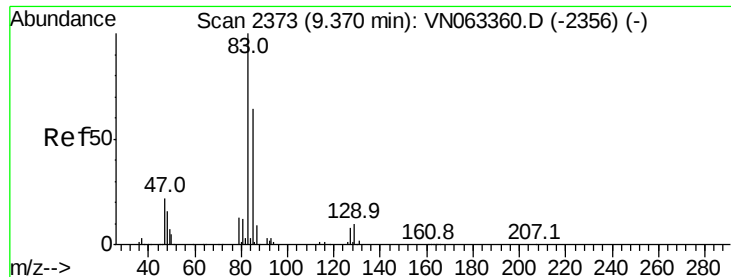
65 215.3 25.0 37.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0





#47

Bromodichloromethane

Concen: 5.942 ug/l

RT: 9.36 min Scan# 2369

Delta R.T. -0.01 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

TP-6

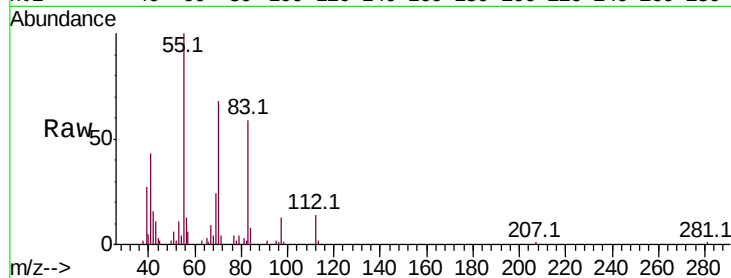
Tot Ion: 83 Resp: 31847

Ion Ratio Lower Upper

83 100

85 0.0 51.0 76.6#

127 0.0 6.3 9.5#



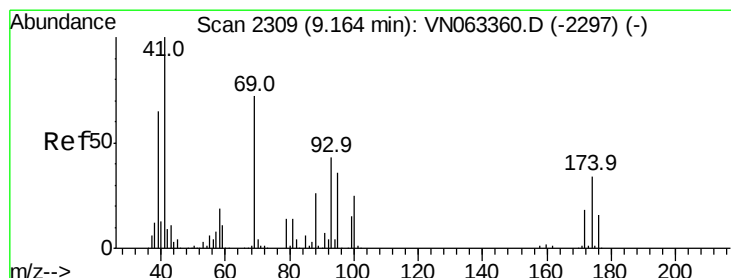
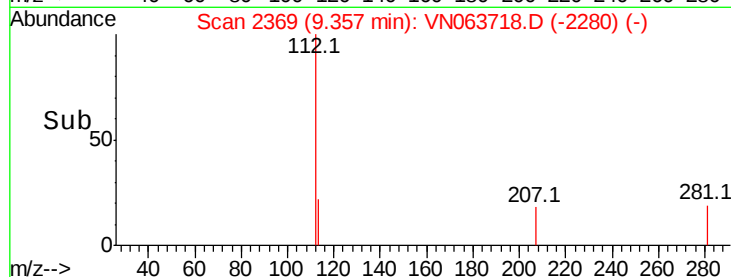
Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 126.80 (126.50 to 127.50): VNO

9.36

Time-->



#48

Methyl methacrylate

Concen: 17.010 ug/l

RT: 9.11 min Scan# 2293

Delta R.T. -0.05 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

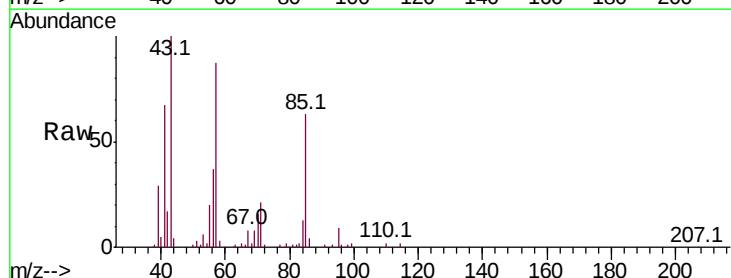
Tgt Ion: 41 Resp: 74043

Ion Ratio Lower Upper

41 100

69 0.0 59.3 88.9#

39 44.8 52.9 79.3#



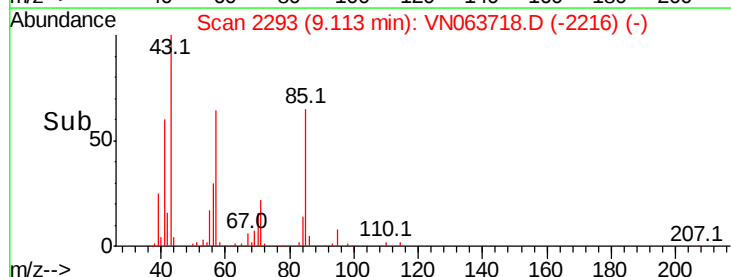
Abundance Ion 41.00 (40.70 to 41.70): VNO

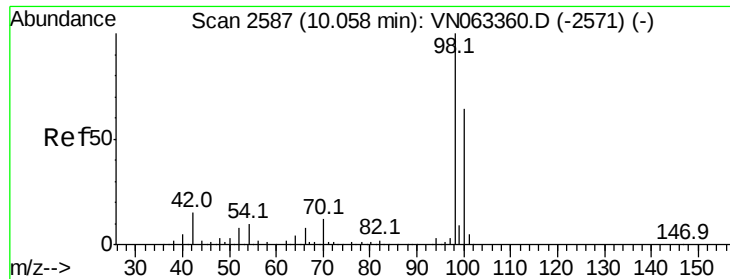
Ion 69.00 (68.70 to 69.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

9.11

Time-->





#50

Toluene-d8

Concen: 52.506 ug/l

RT: 10.06 min Scan# 2588

Delta R.T. 0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

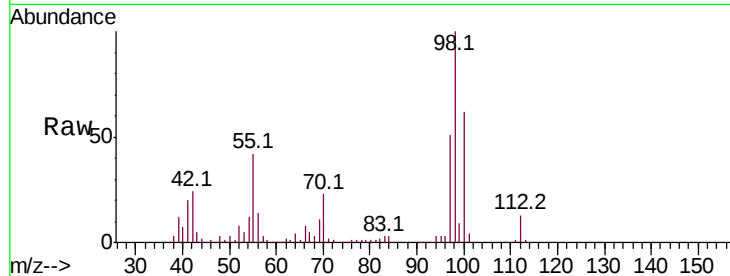
TP-6

Tot Ion: 98 Resp: 647676

Ion Ratio Lower Upper

98 100

100 59.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.06

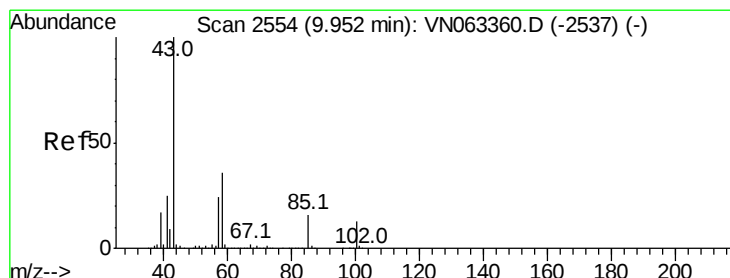
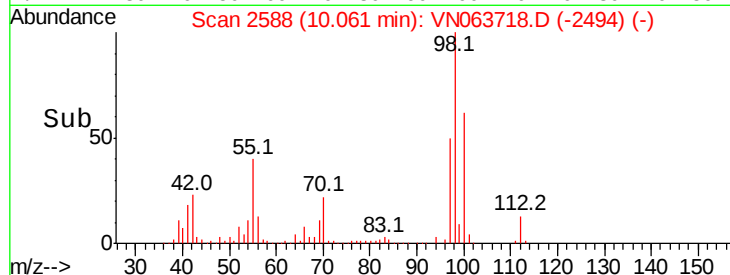
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 5.130 ug/l

RT: 9.99 min Scan# 2567

Delta R.T. 0.04 min

Lab File: VN063718.D

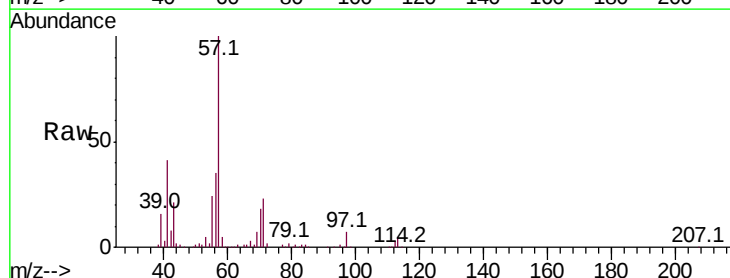
Acq: 28 Sep 2020 20:20

Tgt Ion: 43 Resp: 25445

Ion Ratio Lower Upper

43 100

58 28.2 29.0 43.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.99

20000

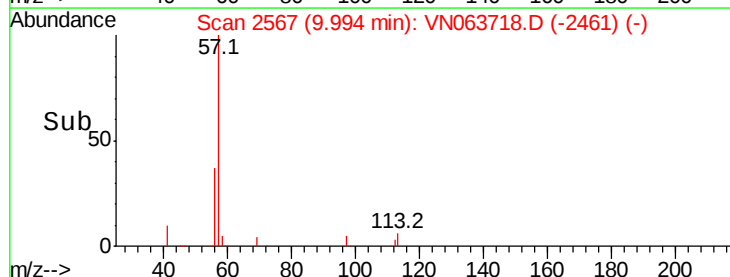
15000

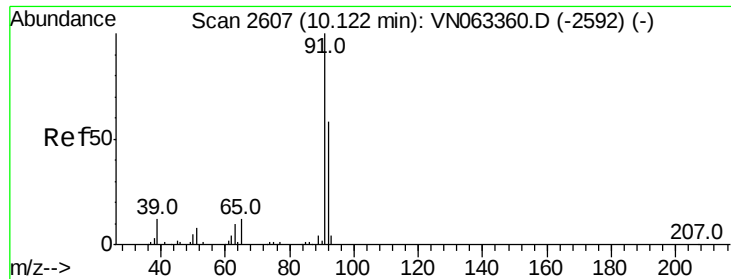
10000

5000

0

Time-->





#52

Toluene

Concen: 15.627 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

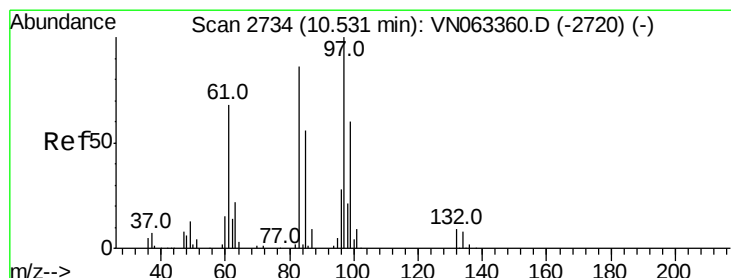
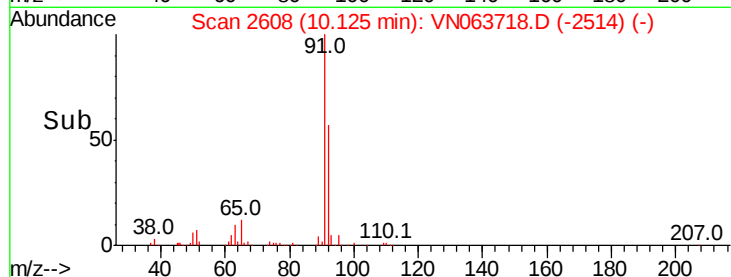
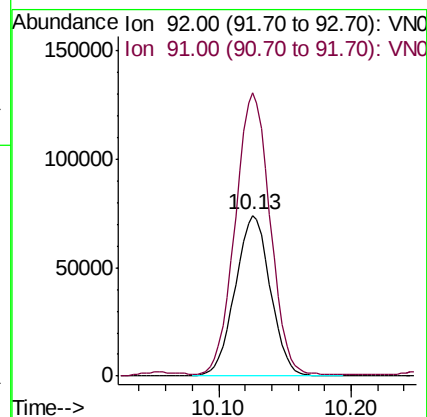
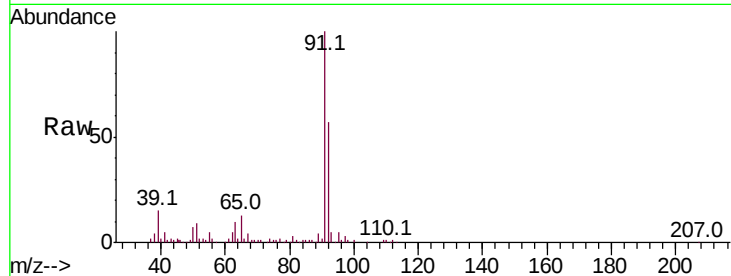
TP-6

Tot Ion: 92 Resp: 135407

Ion Ratio Lower Upper

92 100

91 175.1 139.7 209.5



#55

1,1,2-Trichloroethane

Concen: 45.425 ug/l

RT: 10.50 min Scan# 2725

Delta R.T. -0.03 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Tgt Ion: 97 Resp: 156337

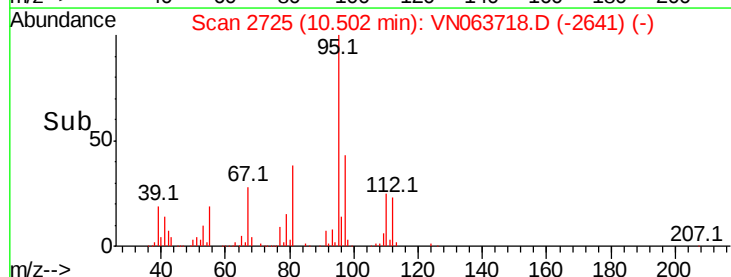
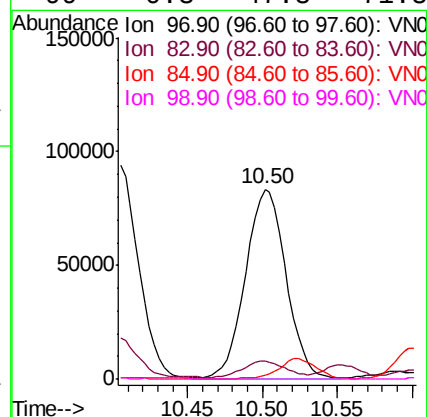
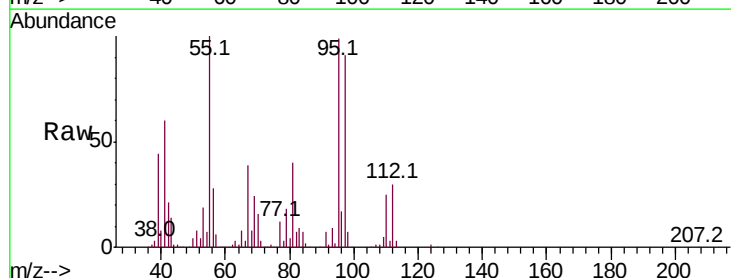
Ion Ratio Lower Upper

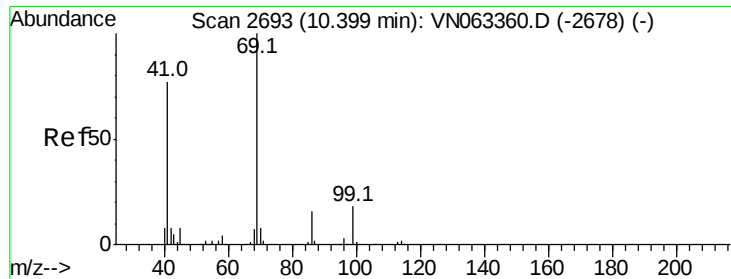
97 100

83 8.1 68.9 103.3#

85 1.8 44.8 67.2#

99 0.3 47.8 71.8#

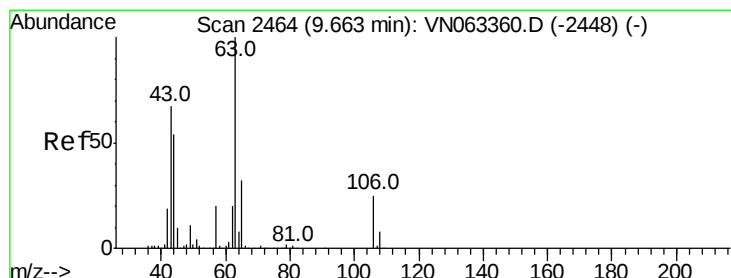
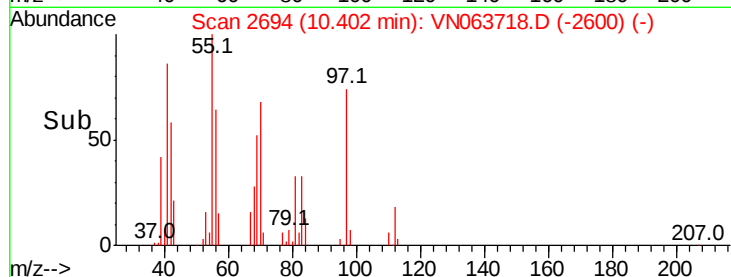
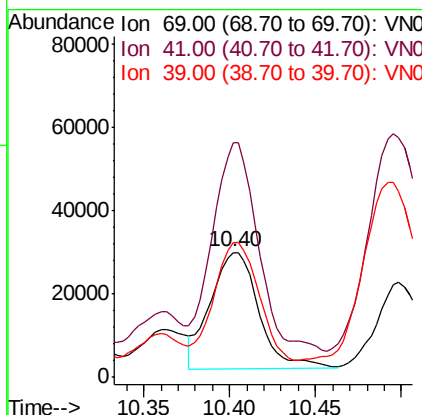
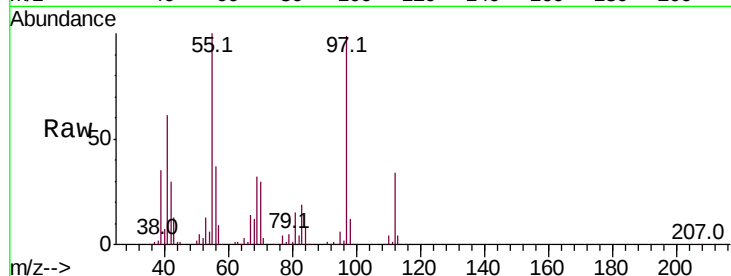




#56
Ethyl methacrylate
Concen: 10.340 ug/l
RT: 10.40 min Scan# 2694
Delta R.T. 0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

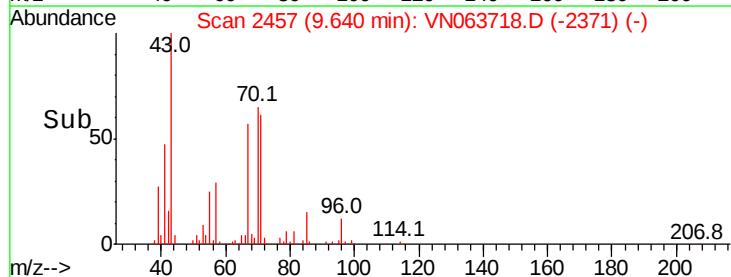
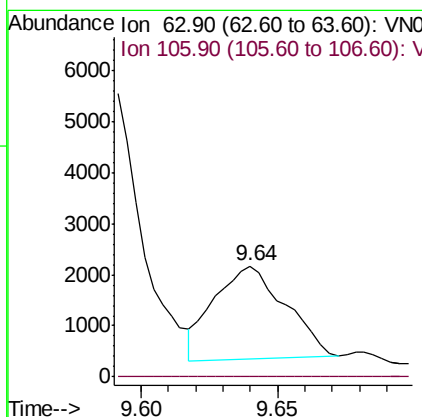
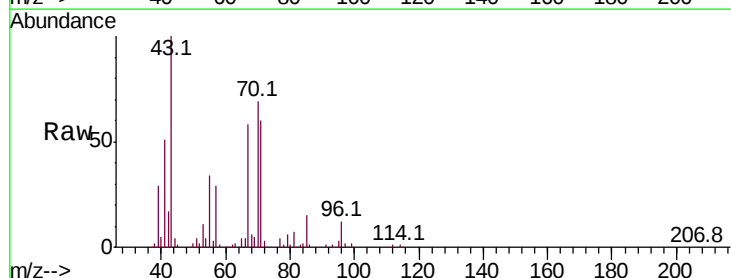
Instrument :
MSVOA_N
ClientSampled :
TP-6

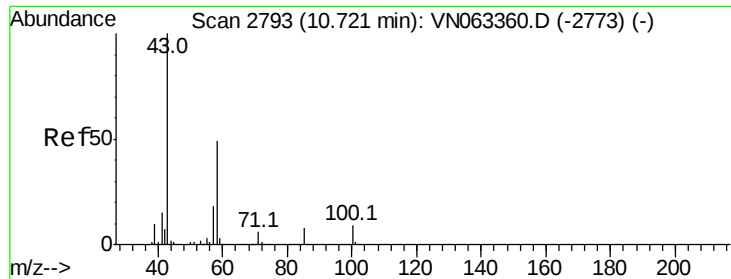
Tot Ion: 69 Resp: 55555
Ion Ratio Lower Upper
69 100
41 165.8 61.0 91.6#
39 90.8 39.2 58.8#



#58
2-Chloroethyl Vinyl ether
Concen: 1.180 ug/l
RT: 9.64 min Scan# 2457
Delta R.T. -0.02 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion: 63 Resp: 3325
Ion Ratio Lower Upper
63 100
106 0.0 19.5 29.3#

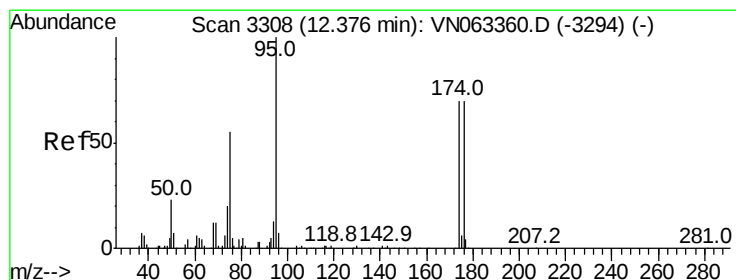
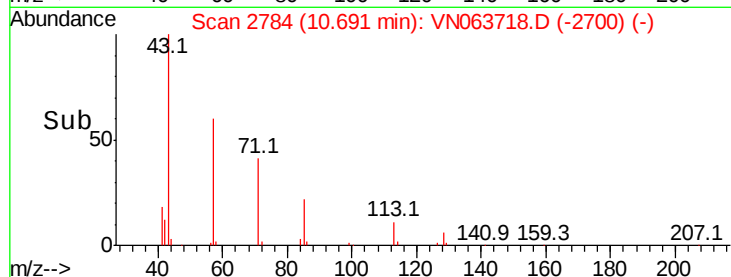
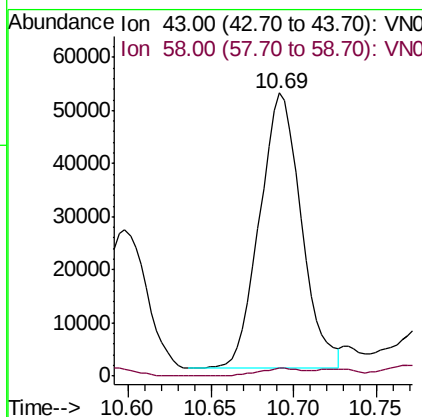
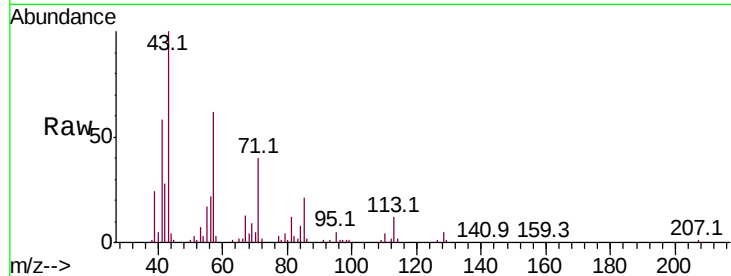




#59
2-Hexanone
Concen: 25.359 ug/l
RT: 10.69 min Scan# 2784
Delta R.T. -0.03 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

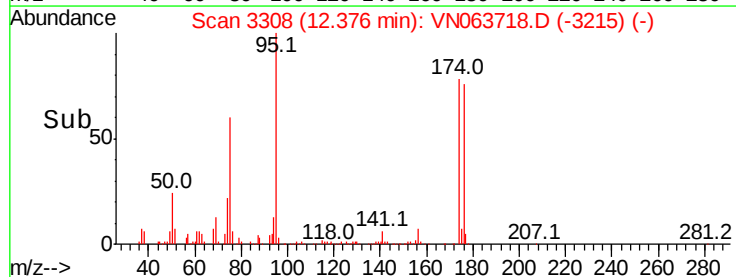
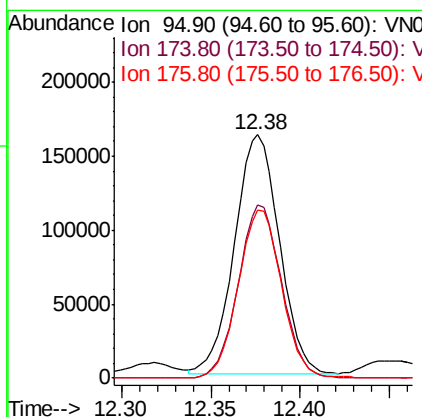
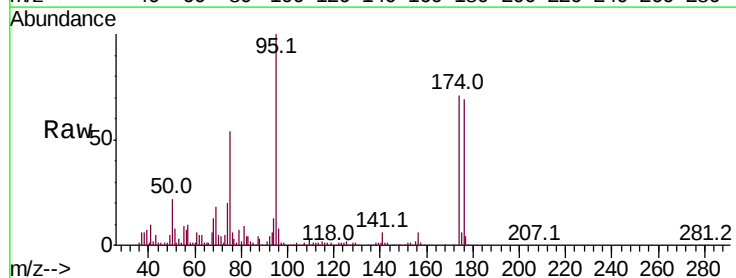
Instrument :
MSVOA_N
ClientSampled :
TP-6

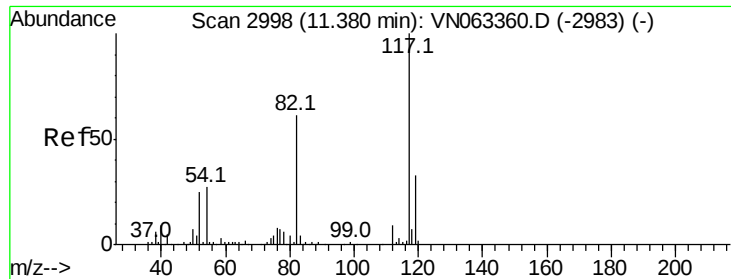
Tot Ion: 43 Resp: 91123
Ion Ratio Lower Upper
43 100
58 3.0 24.7 74.1#



#62
4-Bromofluorobenzene
Concen: 62.715 ug/l
RT: 12.38 min Scan# 3308
Delta R.T. -0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion: 95 Resp: 283590
Ion Ratio Lower Upper
95 100
174 70.1 0.0 140.8
176 68.4 0.0 137.6

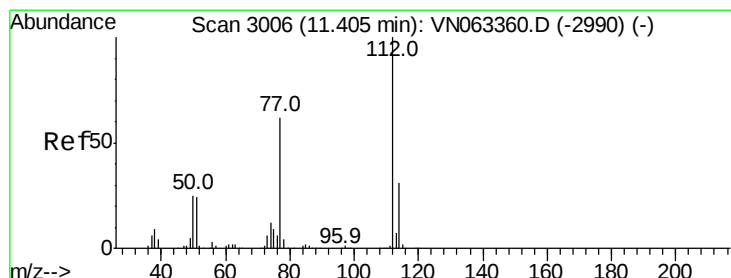
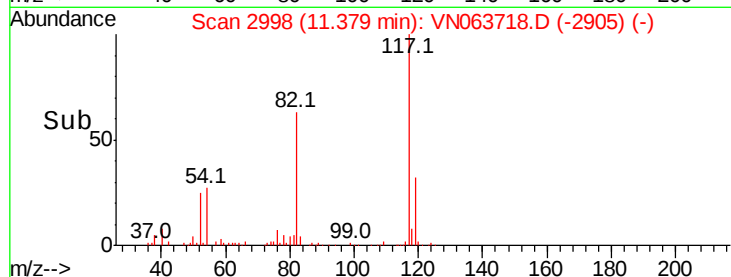
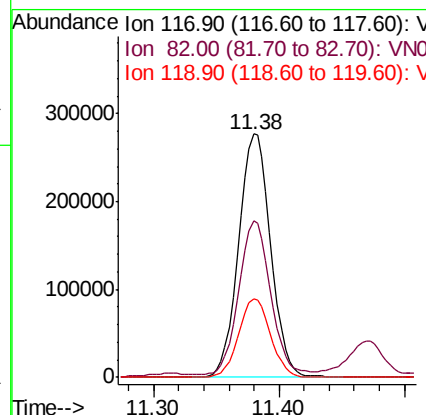
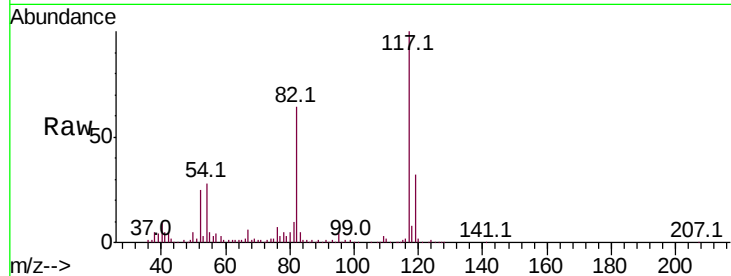




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. -0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

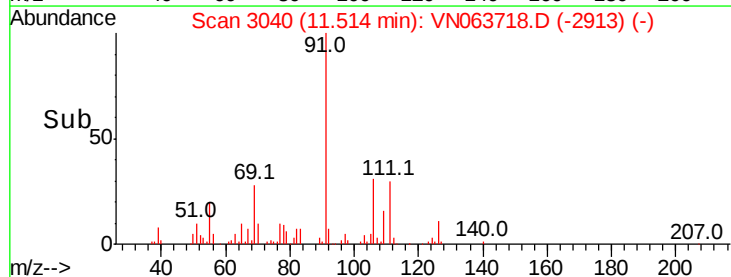
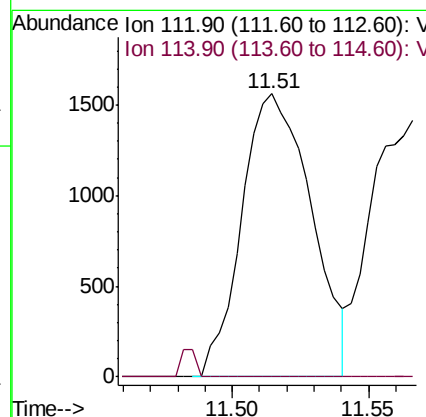
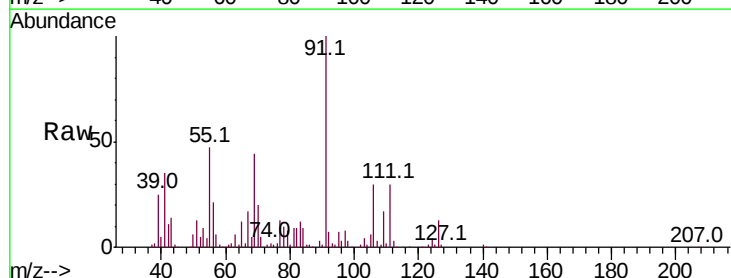
Instrument :
MSVOA_N
ClientSampleId :
TP-6

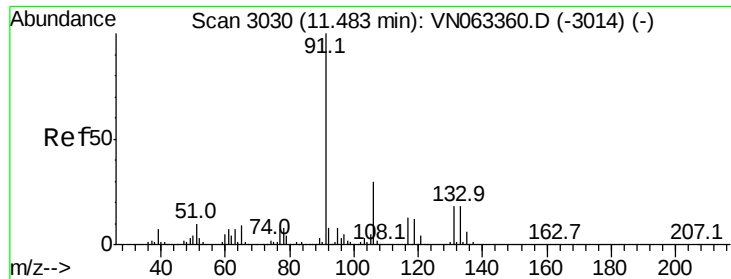
Tot Ion	Ratio	Lower	Upper
117	100		
82	63.0	49.2	73.8
119	32.4	26.2	39.4



#65
Chlorobenzene
Concen: 0.266 ug/l
RT: 11.51 min Scan# 3040
Delta R.T. 0.11 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion	Ratio	Lower	Upper
112	100		
114	0.0	25.0	37.6#





#67

Ethyl Benzene

Concen: 161.850 ug/l

RT: 11.49 min Scan# 3031

Delta R.T. 0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

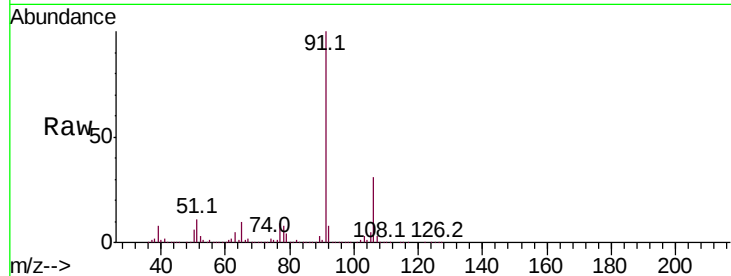
TP-6

Tot Ion: 91 Resp: 3171161

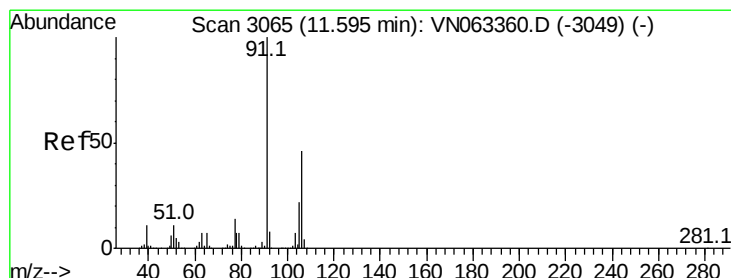
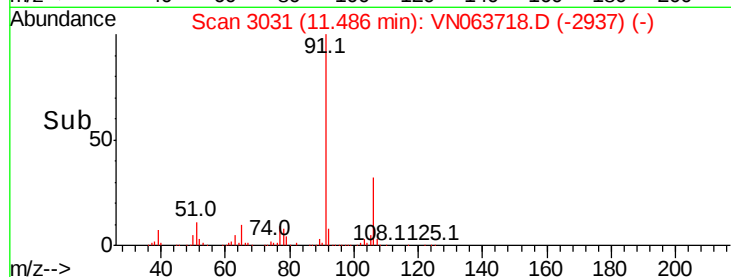
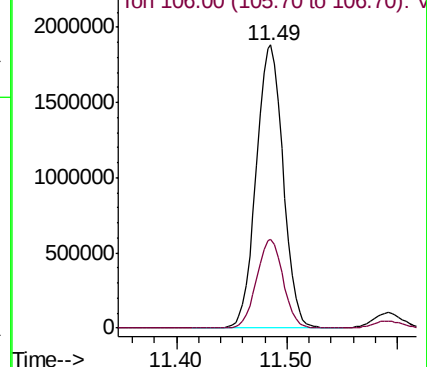
Ion Ratio Lower Upper

91 100

106 31.5 23.8 35.6



Abundance Ion 91.00 (90.70 to 91.70): VN063360.D (-3014) (-)



#68

m/p-Xylenes

Concen: 12.527 ug/l

RT: 11.59 min Scan# 3064

Delta R.T. -0.00 min

Lab File: VN063718.D

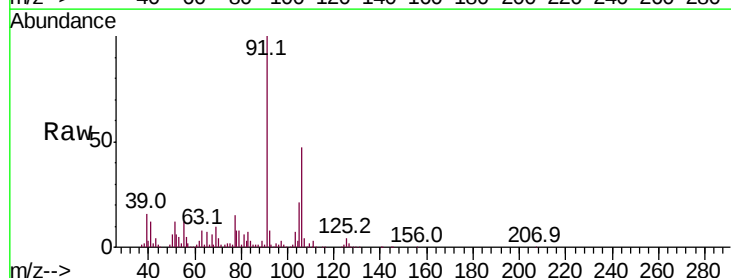
Acq: 28 Sep 2020 20:20

Tgt Ion:106 Resp: 88497

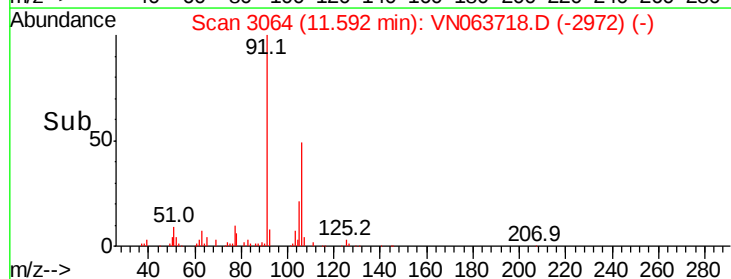
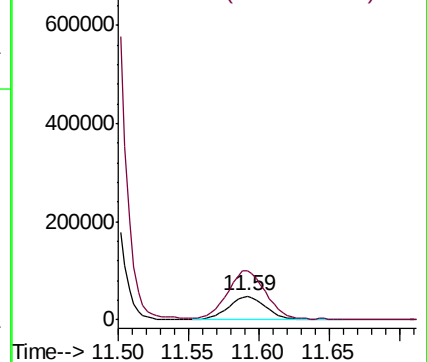
Ion Ratio Lower Upper

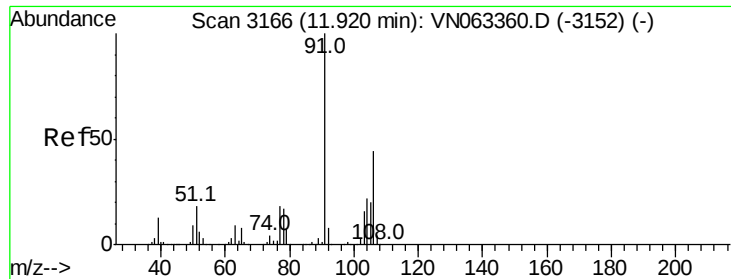
106 100

91 210.0 171.2 256.8



Abundance Ion 106.00 (105.70 to 106.70): VN063360.D (-3049) (-)

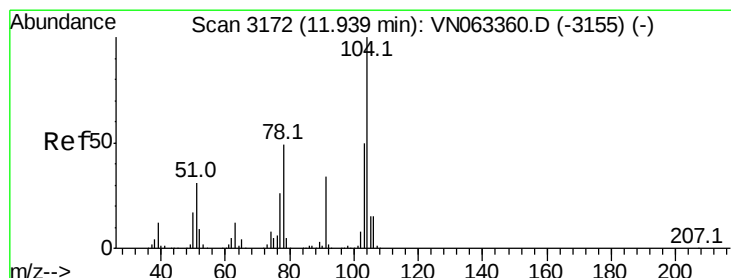
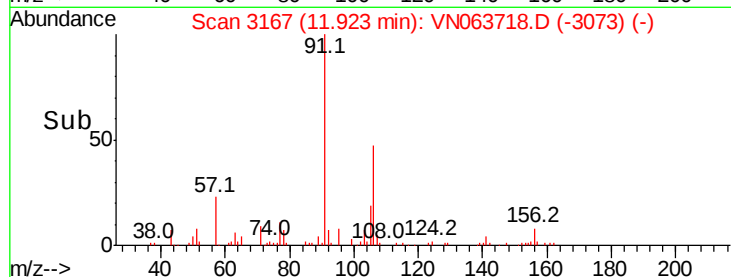
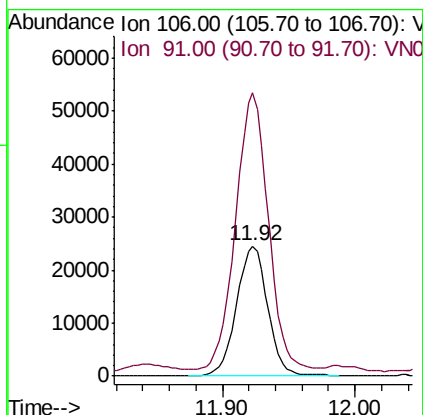
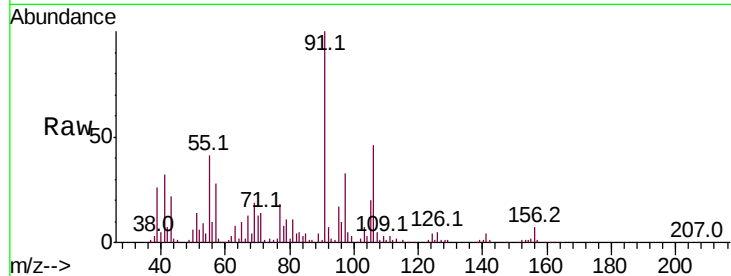




#69
o-Xylene
Concen: 5.986 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

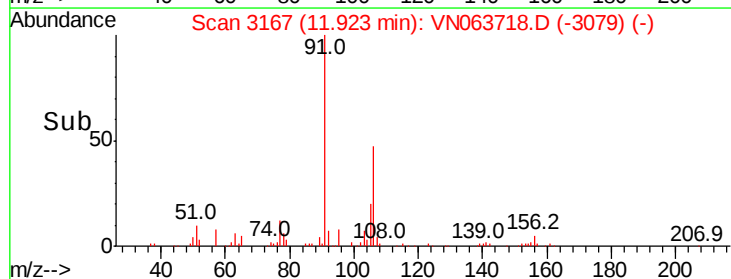
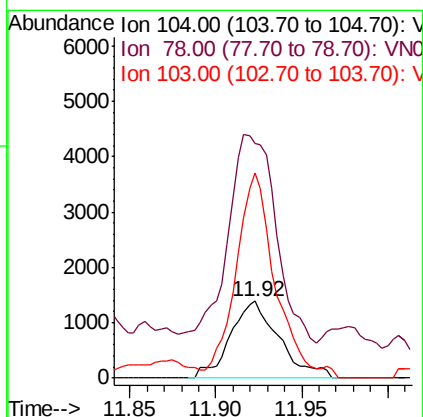
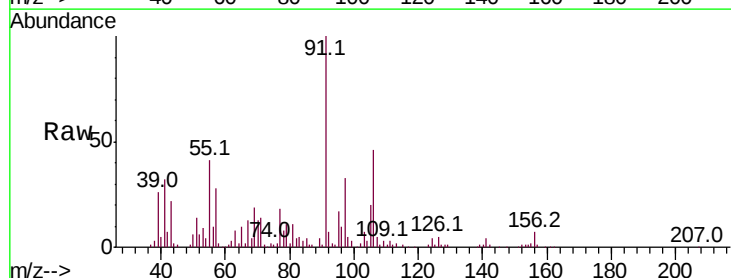
Instrument :
MSVOA_N
ClientSampled :
TP-6

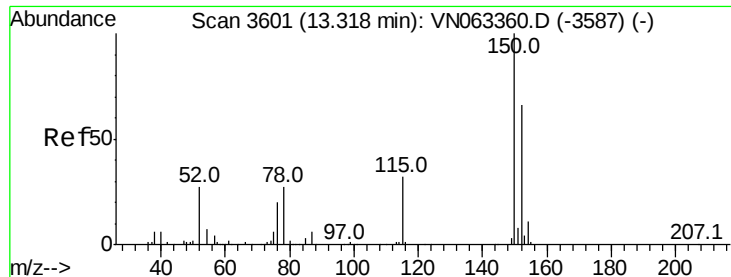
Tot Ion:106 Resp: 40283
Ion Ratio Lower Upper
106 100
91 219.5 113.6 340.8



#70
Styrene
Concen: 0.241 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. -0.02 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion:104 Resp: 2716
Ion Ratio Lower Upper
104 100
78 269.0 44.4 66.6#
103 217.5 43.7 65.5#



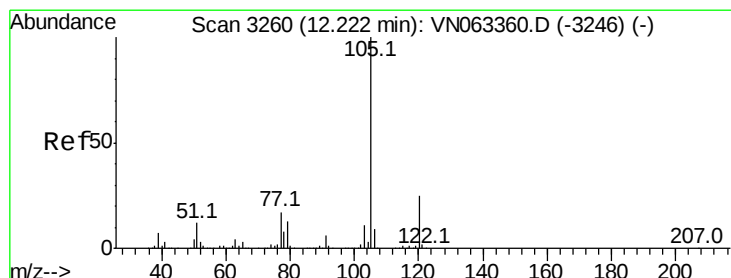
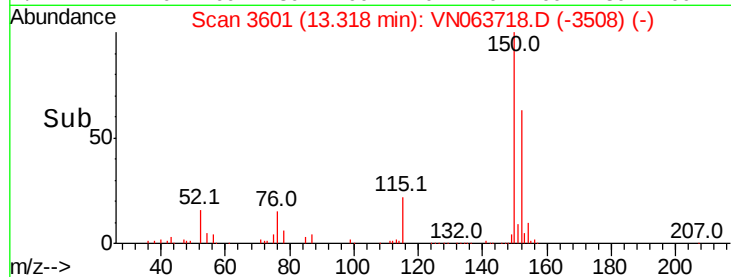
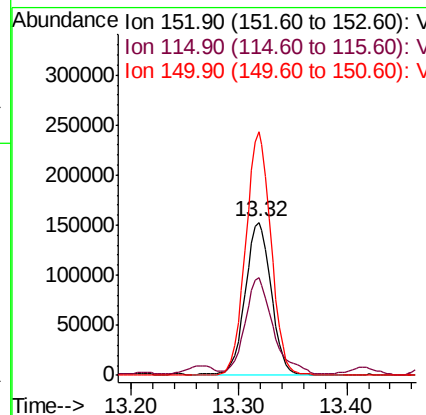
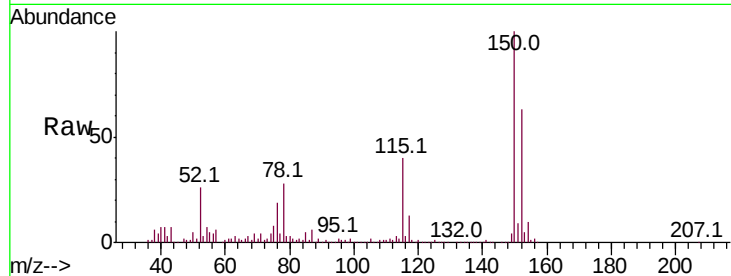


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. -0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Instrument :
MSVOA_N
ClientSampled :
TP-6

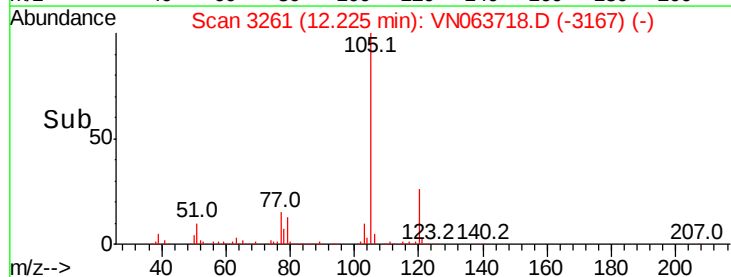
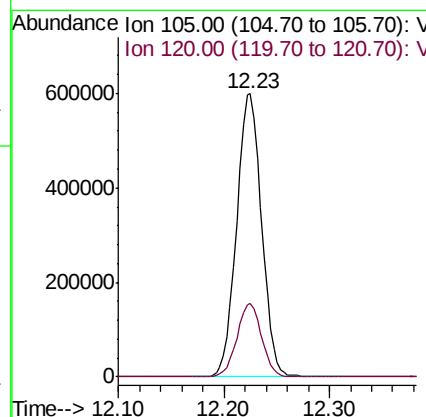
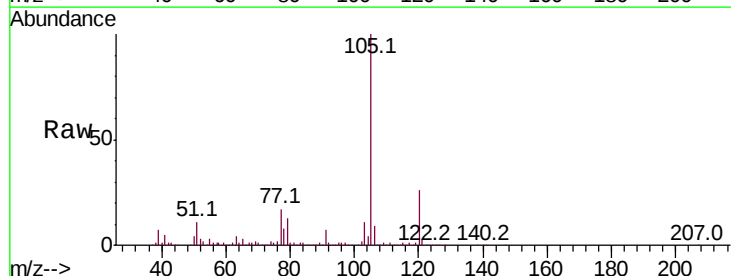
Tot Ion:152 Resp: 254497
Ion Ratio Lower Upper
152 100
115 67.8 32.2 96.6
150 155.0 0.0 343.4

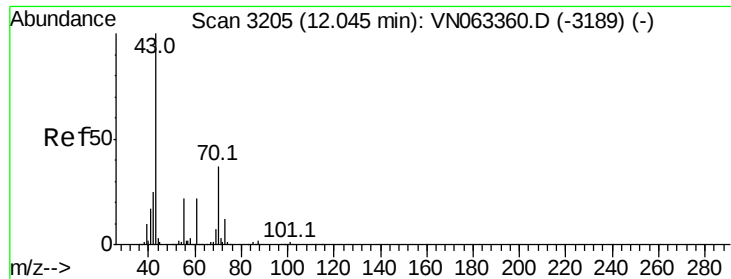


#73

Isopropylbenzene
Concen: 47.940 ug/l
RT: 12.23 min Scan# 3261
Delta R.T. 0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion:105 Resp: 977685
Ion Ratio Lower Upper
105 100
120 25.7 12.7 38.0





#74

N-amyl acetate

Concen: 6.786 ug/l

RT: 12.02 min Scan# 3197

Delta R.T. -0.03 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

TP-6

Tot Ion: 43 Resp: 65507

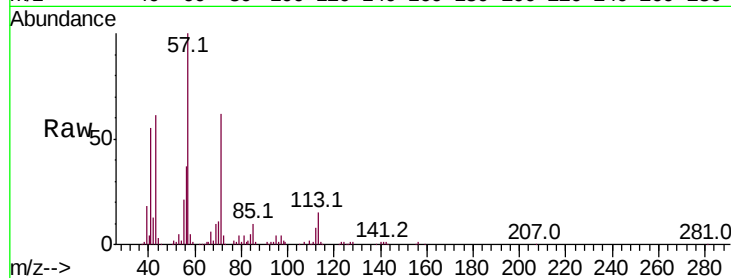
Ion Ratio Lower Upper

43 100

70 12.0 29.6 44.4#

55 6.2 17.7 26.5#

61 0.0 17.4 26.2#

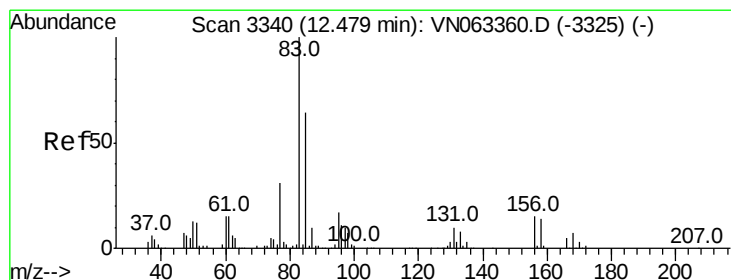
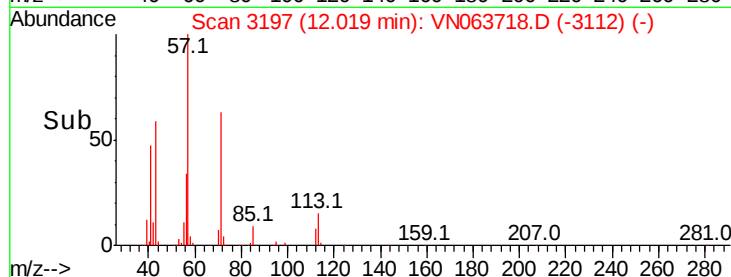
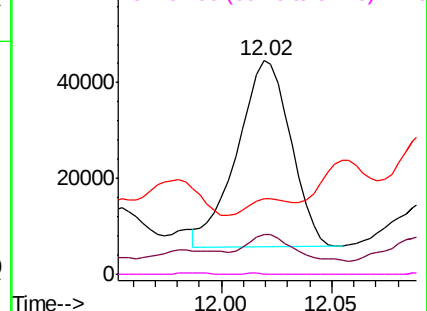


Abundance Ion 43.00 (42.70 to 43.70): VN0

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



#75

1,1,2,2-Tetrachloroethane

Concen: 0.764 ug/l

RT: 12.45 min Scan# 3330

Delta R.T. -0.03 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

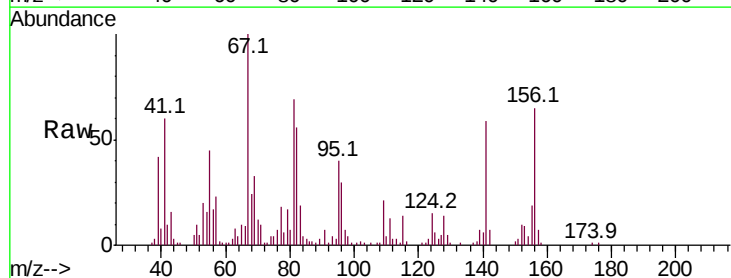
Tgt Ion: 83 Resp: 4826

Ion Ratio Lower Upper

83 100

131 0.0 4.9 14.7#

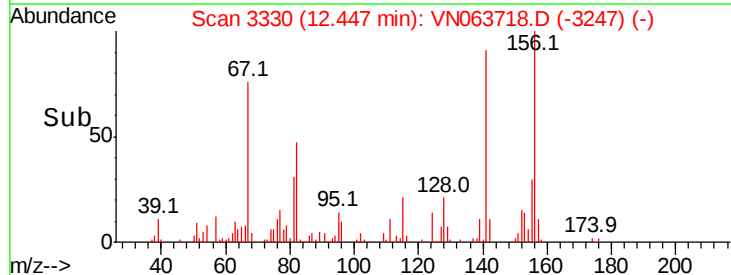
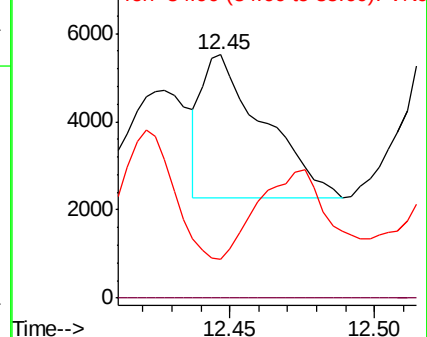
85 0.0 32.0 96.0#

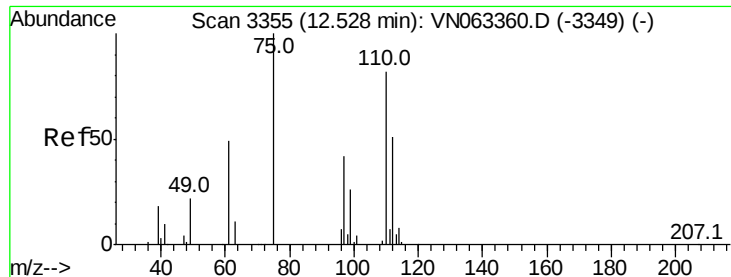


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 3.454 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.04 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

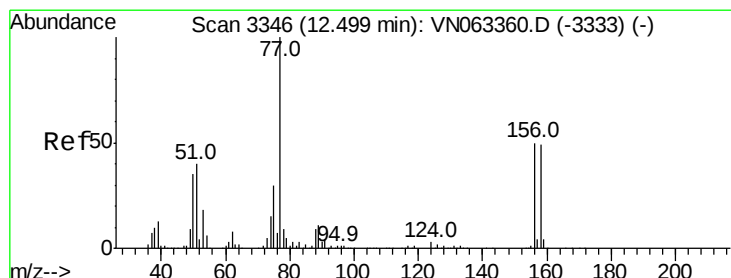
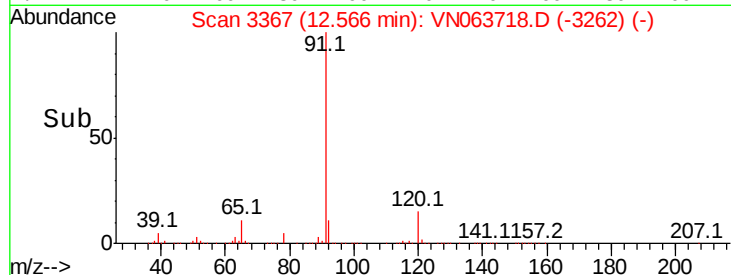
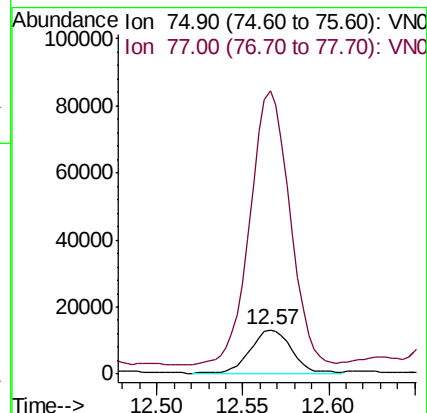
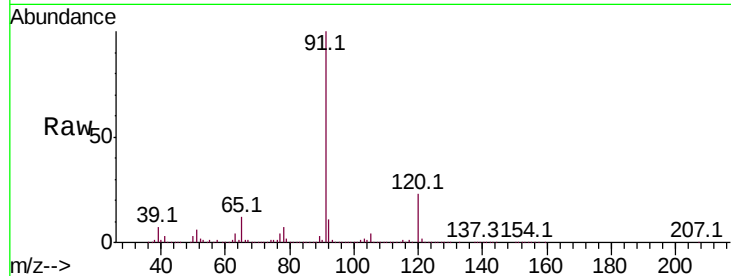
TP-6

Tot Ion: 75 Resp: 21755

Ion Ratio Lower Upper

75 100

77 598.8 0.0 0.0#



#77

Bromobenzene

Concen: 12.379 ug/l

RT: 12.41 min Scan# 3320

Delta R.T. -0.08 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

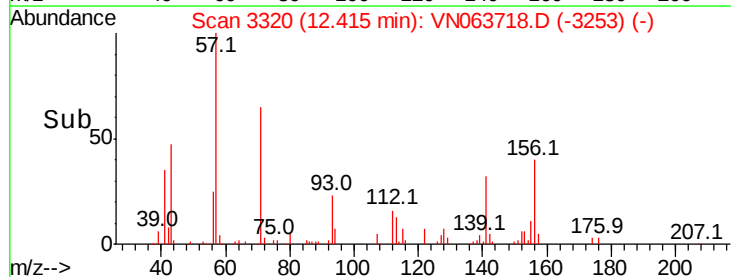
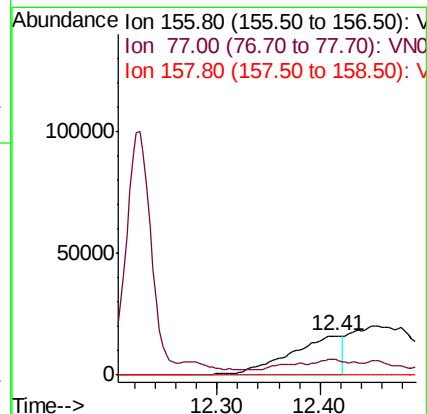
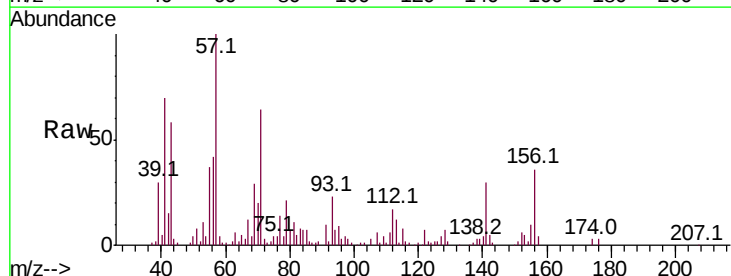
Tgt Ion: 156 Resp: 56789

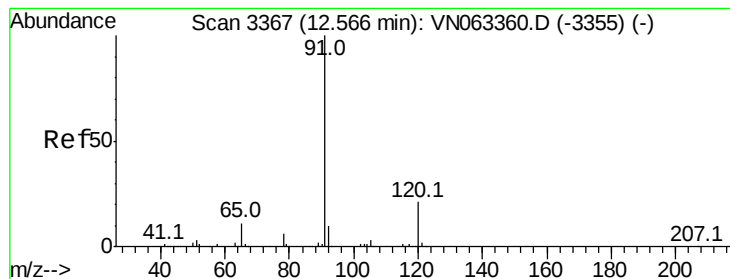
Ion Ratio Lower Upper

156 100

77 0.0 120.2 360.6#

158 0.3 48.9 146.6#





#78

n-propylbenzene

Concen: 127.631 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampled :

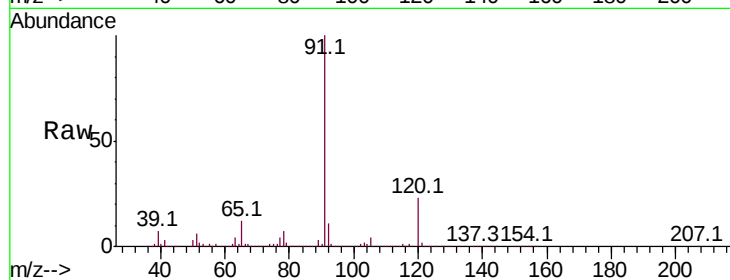
TP-6

Tot Ion: 91 Resp: 3031659

Ion Ratio Lower Upper

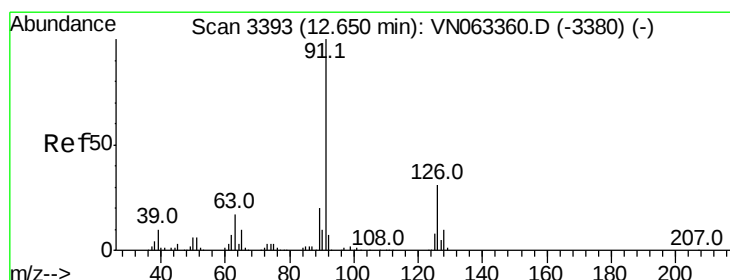
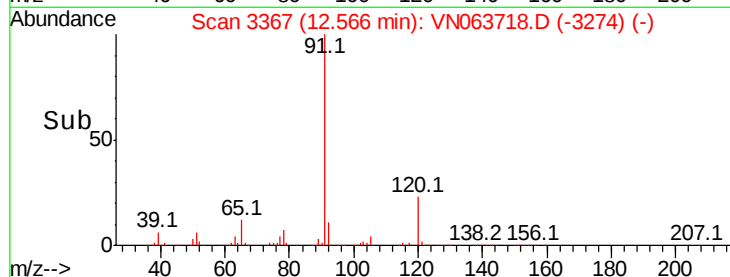
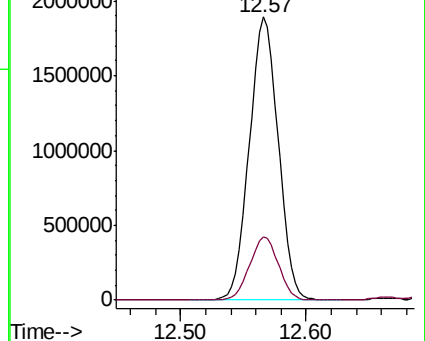
91 100

120 22.2 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 212.915 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. -0.08 min

Lab File: VN063718.D

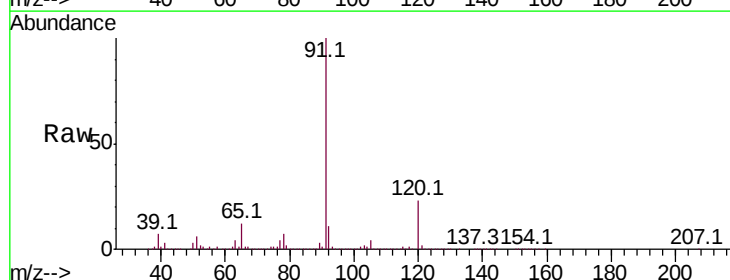
Acq: 28 Sep 2020 20:20

Tgt Ion: 91 Resp: 3031659

Ion Ratio Lower Upper

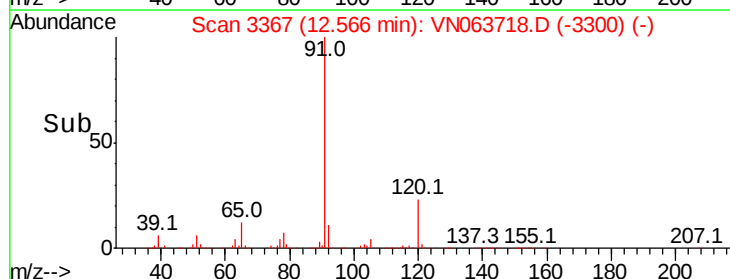
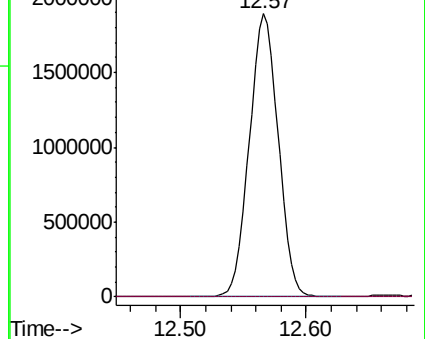
91 100

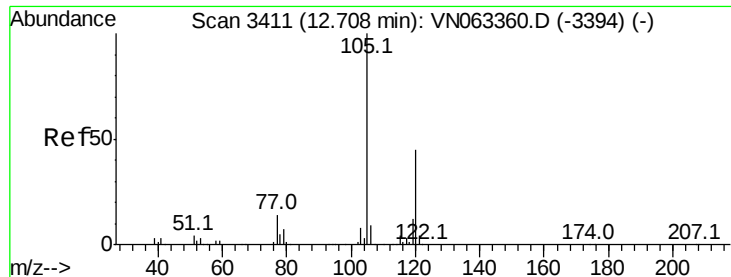
126 0.0 15.8 47.3#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

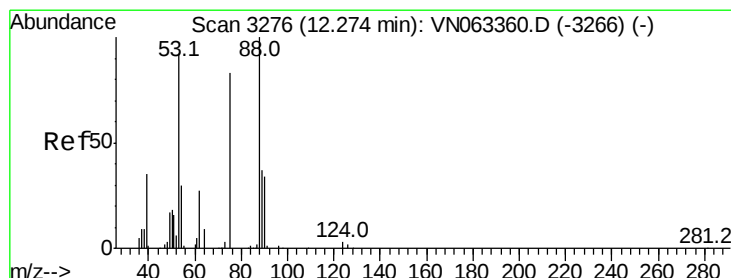
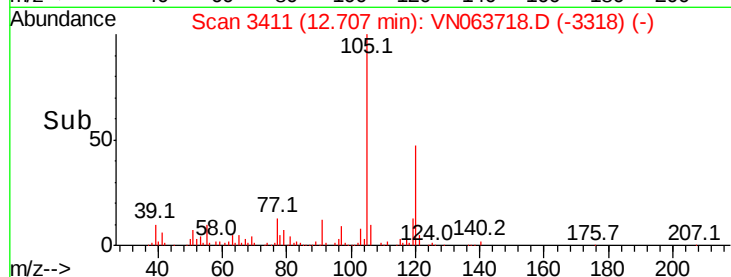
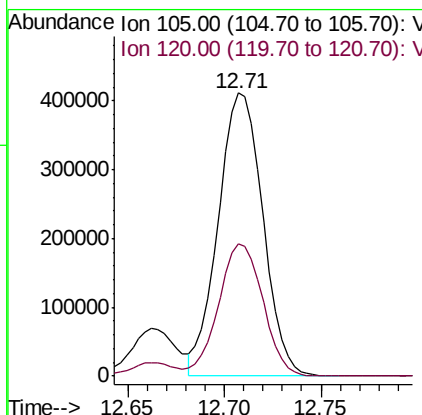
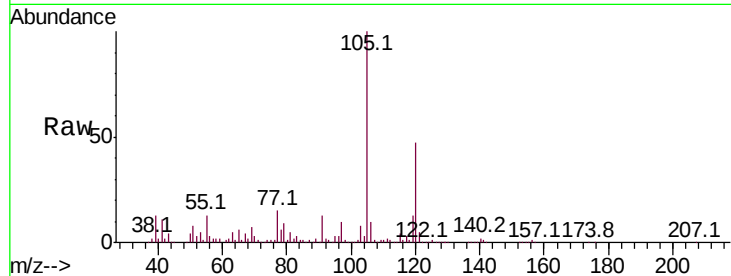




#80
 1,3,5-Trimethylbenzene
 Concen: 38.635 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. -0.00 min
 Lab File: VN063718.D
 Acq: 28 Sep 2020 20:20

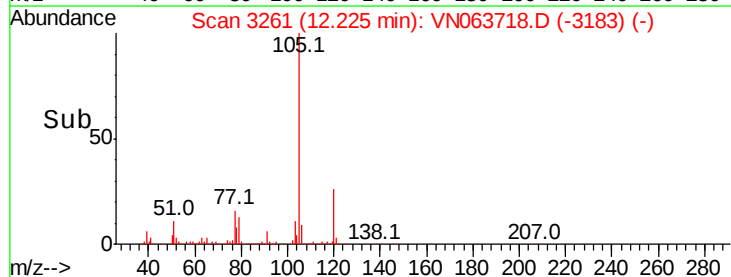
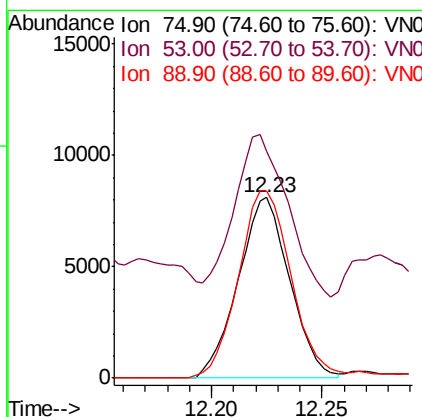
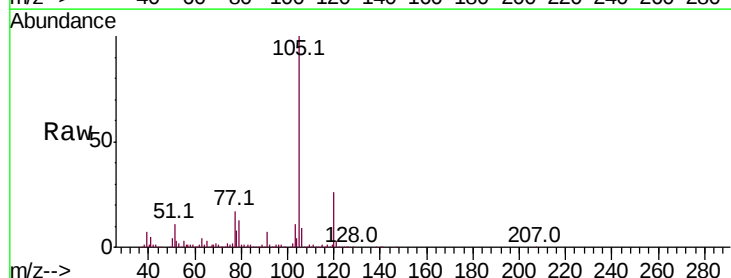
Instrument :
 MSVOA_N
 ClientSampleId :
 TP-6

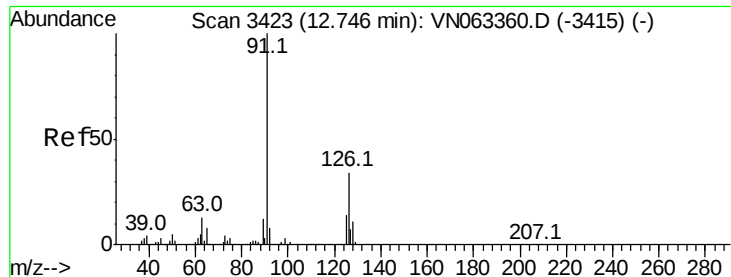
Tot Ion:105 Resp: 657029
 Ion Ratio Lower Upper
 105 100
 120 46.7 22.9 68.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 5.707 ug/l
 RT: 12.23 min Scan# 3261
 Delta R.T. -0.05 min
 Lab File: VN063718.D
 Acq: 28 Sep 2020 20:20

Tgt Ion: 75 Resp: 13113
 Ion Ratio Lower Upper
 75 100
 53 92.5 85.7 128.5
 89 106.5 38.0 57.0#





#82

4-Chlorotoluene

Concen: 16.317 ug/l

RT: 12.86 min Scan# 3460

Delta R.T. 0.12 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

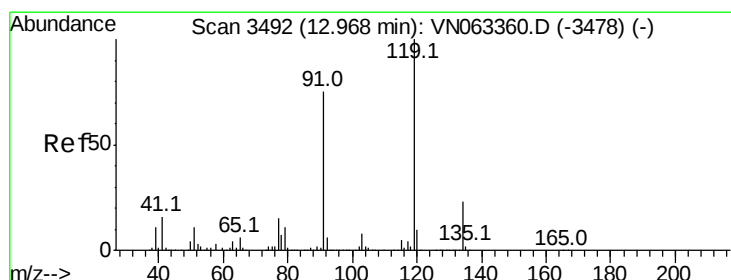
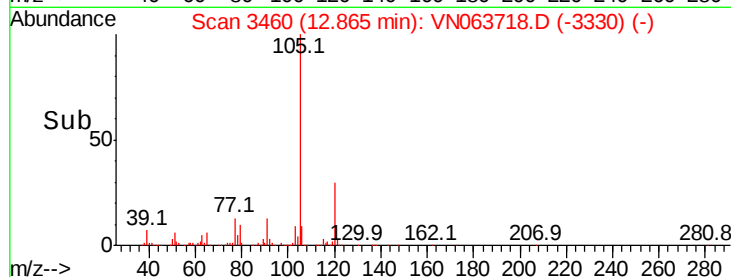
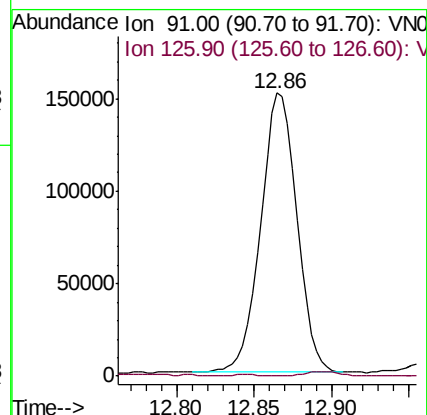
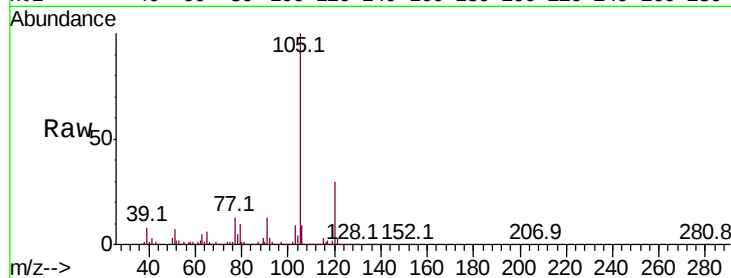
TP-6

Tot Ion: 91 Resp: 245486

Ion Ratio Lower Upper

91 100

126 0.0 15.5 46.5#



#83

tert-Butylbenzene

Concen: 1.076 ug/l

RT: 12.97 min Scan# 3492

Delta R.T. -0.00 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

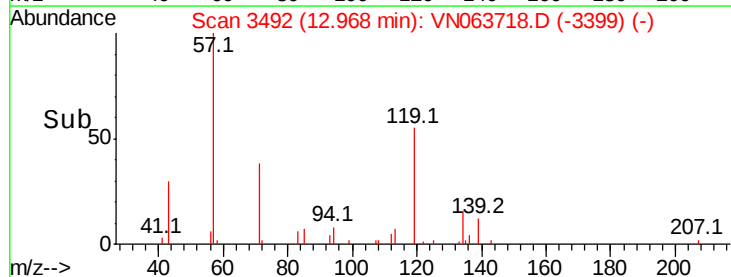
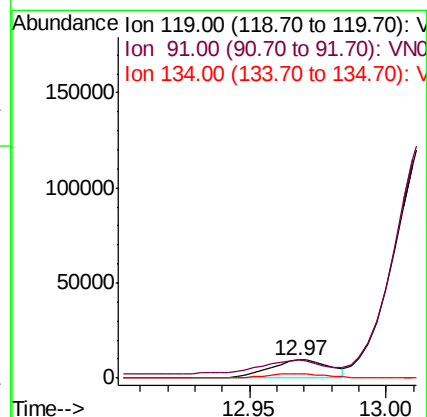
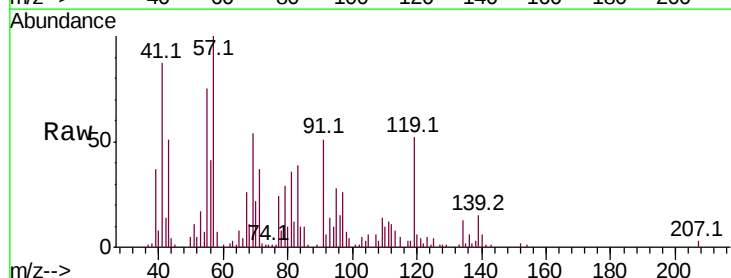
Tgt Ion: 119 Resp: 15108

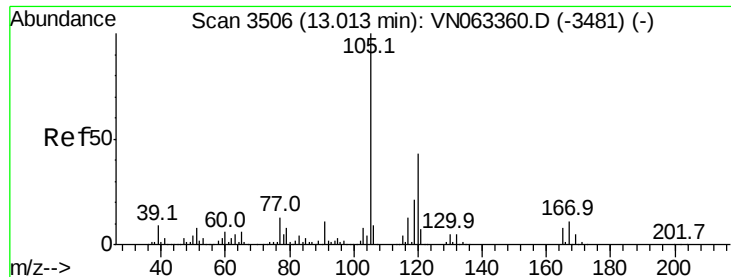
Ion Ratio Lower Upper

119 100

91 86.0 36.3 108.9

134 0.0 12.3 36.8#

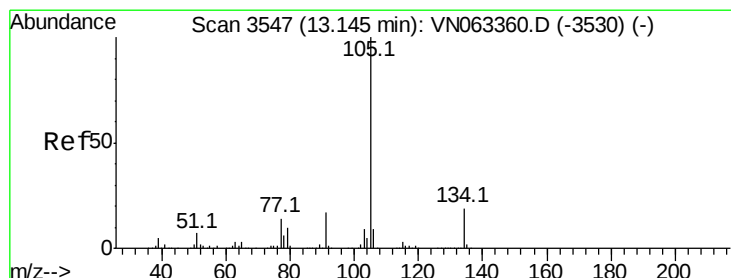
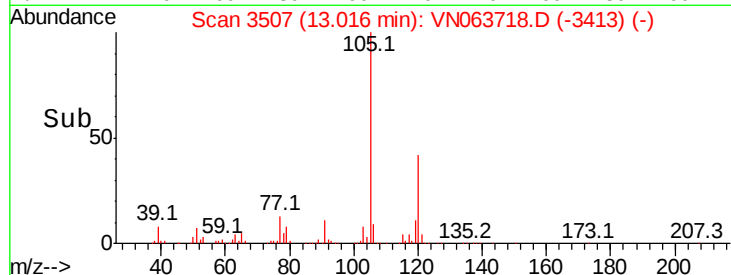
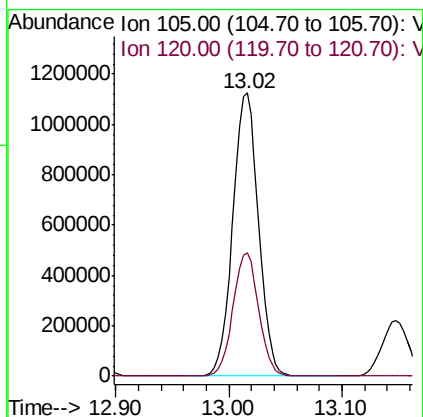
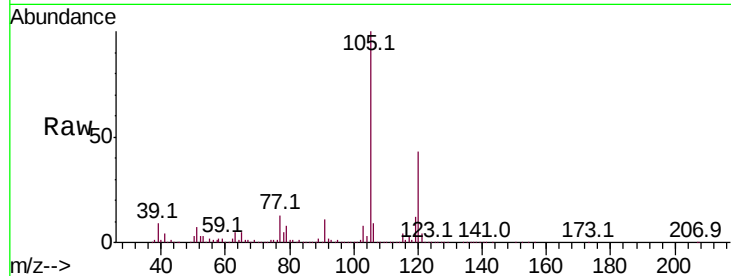




#84
 1,2,4-Trimethylbenzene
 Concen: 103.312 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063718.D
 Acq: 28 Sep 2020 20:20

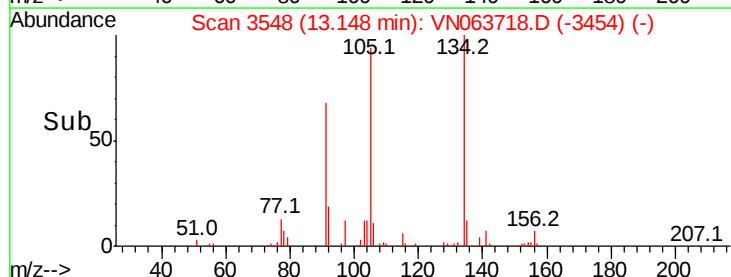
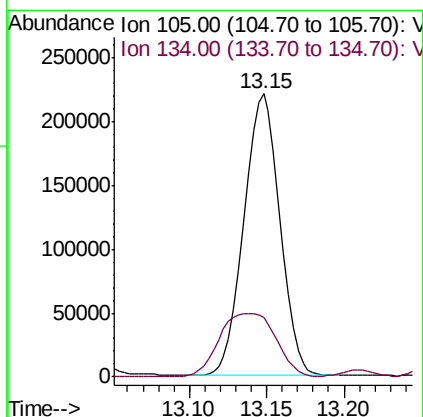
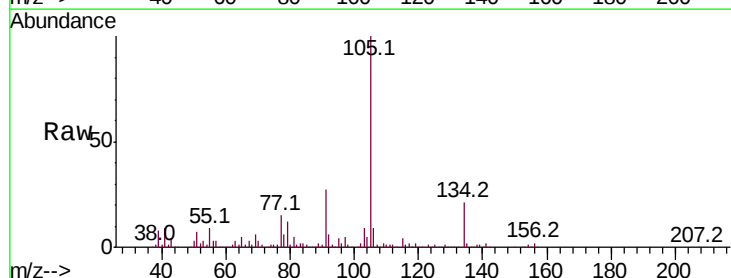
Instrument :
 MSVOA_N
 ClientSampled :
 TP-6

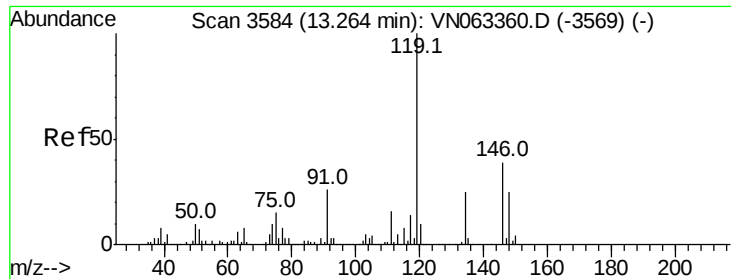
Tot Ion:105 Resp: 1774634
 Ion Ratio Lower Upper
 105 100
 120 43.4 21.3 63.9



#85
 sec-Butylbenzene
 Concen: 19.003 ug/l
 RT: 13.15 min Scan# 3548
 Delta R.T. 0.00 min
 Lab File: VN063718.D
 Acq: 28 Sep 2020 20:20

Tgt Ion:105 Resp: 357017
 Ion Ratio Lower Upper
 105 100
 134 35.7 9.3 27.7#

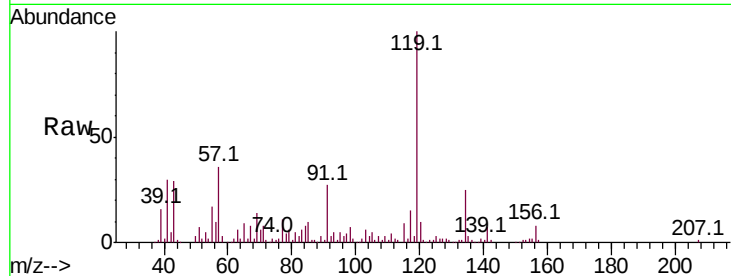




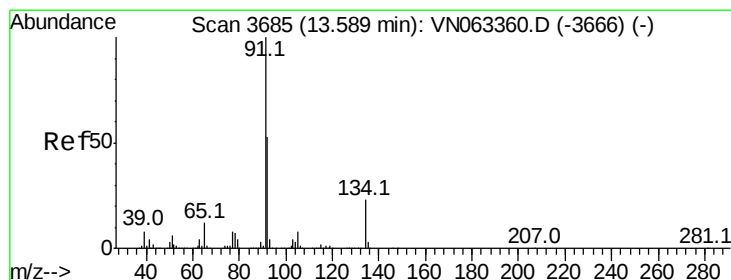
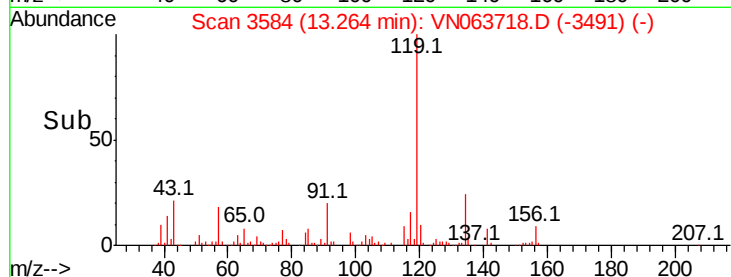
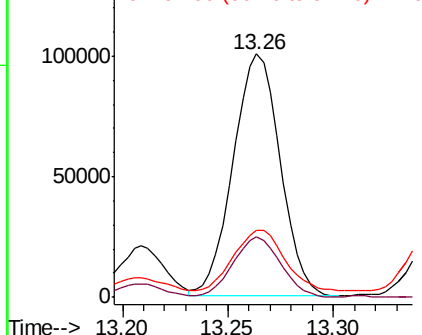
#86
p-Isopropyltoluene
Concen: 9.435 ug/l
RT: 13.26 min Scan# 3584
Delta R.T. -0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Instrument :
MSVOA_N
ClientSampled :
TP-6

Tot Ion:119 Resp: 156343
Ion Ratio Lower Upper
119 100
134 24.6 12.5 37.5
91 27.0 13.4 40.1

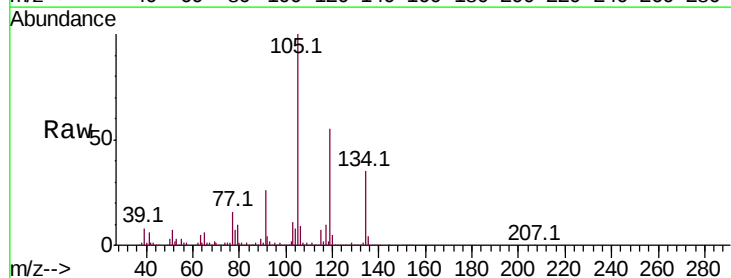


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 134.00 (133.70 to 134.70): V
Ion 91.00 (90.70 to 91.70): V

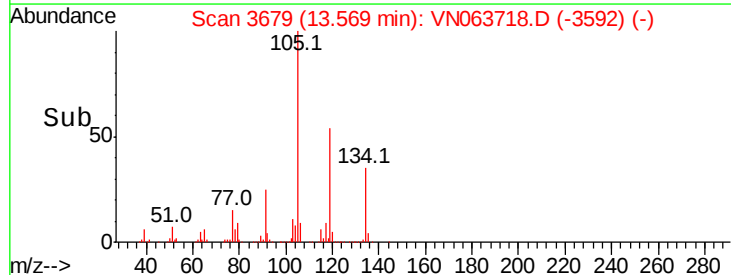
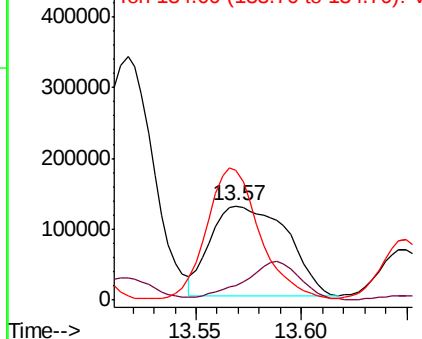


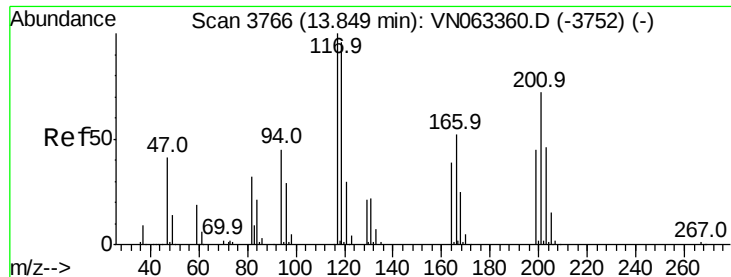
#89
n-Butylbenzene
Concen: 20.912 ug/l
RT: 13.57 min Scan# 3679
Delta R.T. -0.02 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Tgt Ion: 91 Resp: 319423
Ion Ratio Lower Upper
91 100
92 0.0 26.0 78.0#
134 100.7 11.7 35.0#



Abundance Ion 91.00 (90.70 to 91.70): V
Ion 92.00 (91.70 to 92.70): V
Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 152.178 ug/l

RT: 13.86 min Scan# 3771

Delta R.T. 0.02 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

Instrument :

MSVOA_N

ClientSampleId :

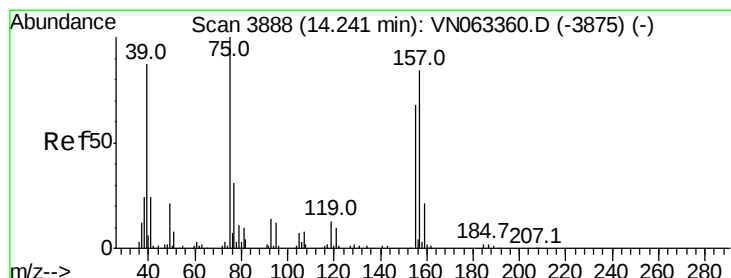
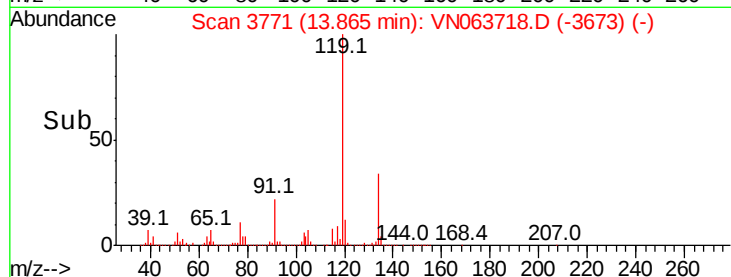
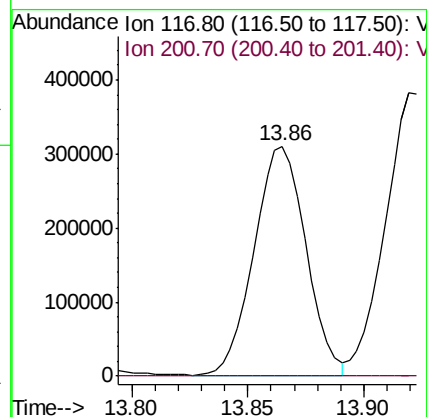
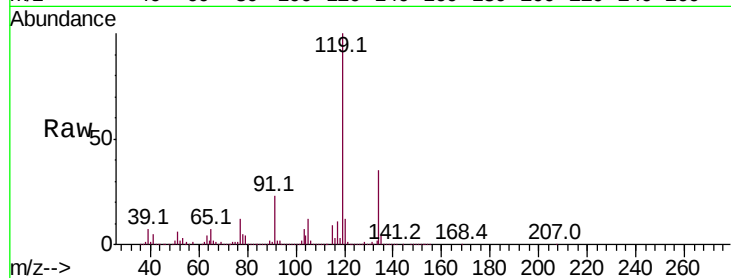
TP-6

Tot Ion:117 Resp: 480178

Ion Ratio Lower Upper

117 100

201 0.0 35.5 106.7#



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.497 ug/l

RT: 14.22 min Scan# 3883

Delta R.T. -0.02 min

Lab File: VN063718.D

Acq: 28 Sep 2020 20:20

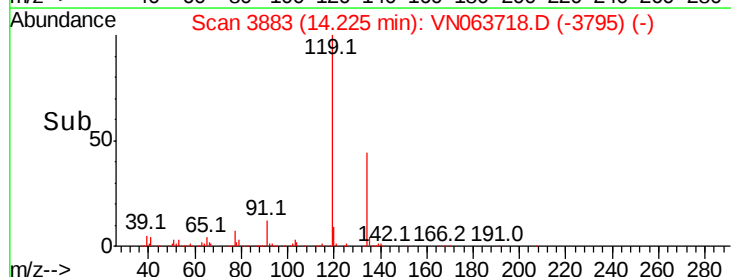
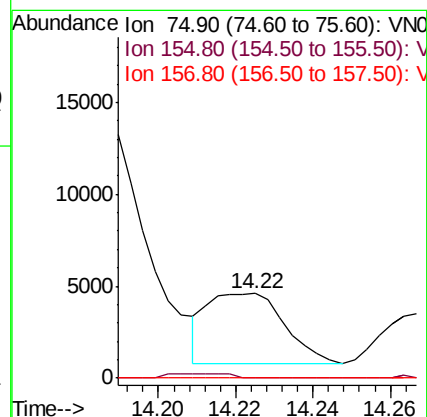
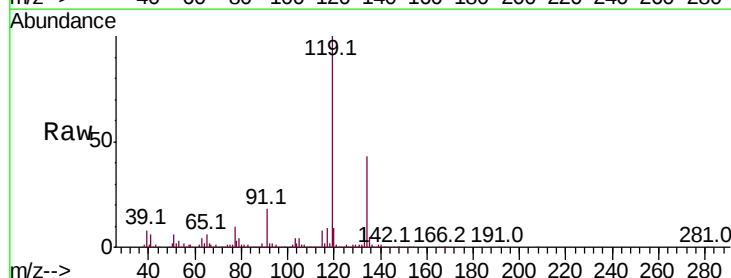
Tgt Ion: 75 Resp: 5258

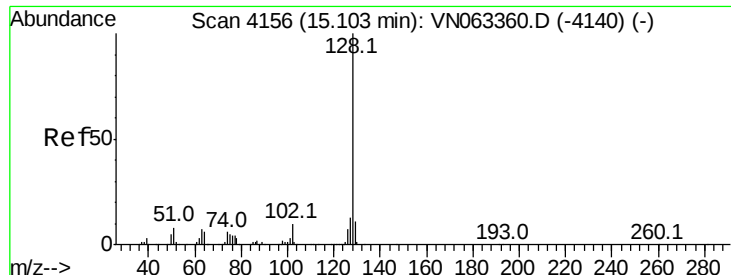
Ion Ratio Lower Upper

75 100

155 5.3 34.6 103.9#

157 0.0 43.7 131.1#

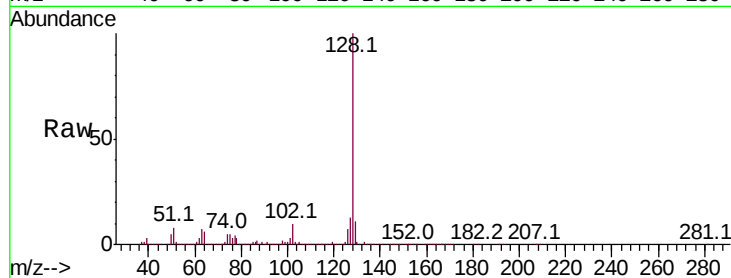




#95
Naphthalene
Concen: 193.234 ug/l
RT: 15.10 min Scan# 4156
Delta R.T. -0.00 min
Lab File: VN063718.D
Acq: 28 Sep 2020 20:20

Instrument :
MSVOA_N
ClientSampleId :
TP-6

Tot Ion:128 Resp: 3141819
Ion Ratio Lower Upper
128 100
127 13.1 10.6 15.8
129 10.9 8.8 13.2



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

