

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092619\
 Data File : VN058395.D
 Acq On : 26 Sep 2019 19:02
 Operator : JC/SP
 Sample : K5037-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 30334

Quant Time: Sep 27 02:39:35 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091819W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 19 09:27:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	544079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	914385	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	635958	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	186791	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	340860	44.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.96%	
35) Dibromofluoromethane	7.57	113	245770	44.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.42%	
50) Toluene-d8	10.08	98	1089779	50.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.64%	
62) 4-Bromofluorobenzene	12.41	95	251229	31.23	ug/l	0.00
Spiked Amount	50.000		Recovery	=	62.46%	

Target Compounds					Qvalue
3) Chloromethane	2.04	50	8934	1.592 ug/l	97
4) Vinyl Chloride	2.43	62	105	Below Cal #	61
5) Bromomethane	2.55	94	100	0.772 ug/l #	4
6) Chloroethane	2.68	64	173	Below Cal #	44
11) Tert butyl alcohol	4.84	59	323840	359.257 ug/l	100
13) Acrolein	3.59	56	1249	9.350 ug/l #	59
14) Allyl chloride	4.30	41	7935	1.102 ug/l #	22
15) Acrylonitrile	4.84	53	692	0.288 ug/l #	1
16) Acetone	3.80	43	2552755	992.416 ug/l	98
17) Carbon Disulfide	4.00	76	5017	1.333 ug/l #	94
18) Methyl Acetate	4.30	43	353587	52.240 ug/l	99
20) Methylene Chloride	4.52	84	429	Below Cal #	92
21) trans-1,2-Dichloroethene	4.98	96	60	Below Cal #	1
23) Vinyl Acetate	5.98	43	6278	0.502 ug/l #	74
25) 2-Butanone	6.82	43	259725	74.114 ug/l	97
29) Tetrahydrofuran	7.22	42	4040	1.872 ug/l #	40
31) Cyclohexane	7.64	56	22827	1.266 ug/l #	36
36) 1,1-Dichloropropene	7.65	75	44264	6.713 ug/l #	51
37) Ethyl Acetate	6.82	43	259725	37.954 ug/l #	70
38) Carbon Tetrachloride	7.65	117	55123	8.316 ug/l #	14
39) Methylcyclohexane	9.07	83	24313	3.879 ug/l	97
40) Benzene	8.02	78	91262	4.531 ug/l	95
41) Methacrylonitrile	7.17	41	275	0.989 ug/l #	100
43) Isopropyl Acetate	8.12	43	33094	2.589 ug/l #	1
45) 1,2-Dichloropropane	8.89	63	75173	12.498 ug/l #	1
48) Methyl methacrylate	9.32	41	36115	6.224 ug/l #	50
49) 1,4-Dioxane	9.20	88	1517	15.923 ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	9453	1.393 ug/l	98
52) Toluene	10.15	92	197445	15.643 ug/l	99
53) t-1,3-Dichloropropene	10.35	75	6756	0.861 ug/l #	44
55) 1,1,2-Trichloroethane	10.53	97	3530	0.630 ug/l #	20
56) Ethyl methacrylate	10.50	69	2426	0.300 ug/l #	1
57) 1,3-Dichloropropane	10.80	76	37332	3.877 ug/l #	45
59) 2-Hexanone	10.49	43	236497	46.908 ug/l	80

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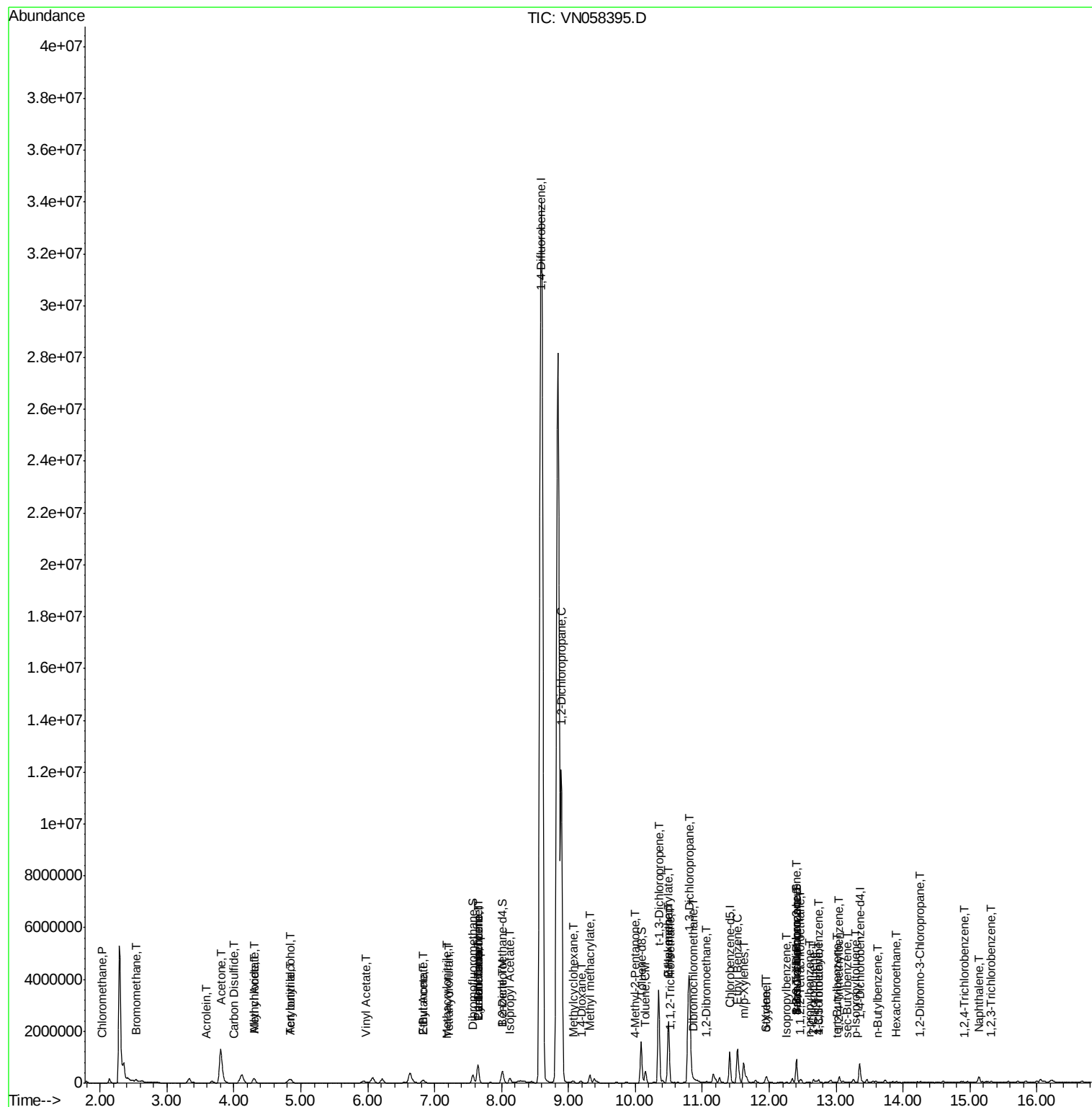
60) Dibromochloromethane	10.87	129	1171	0.217	ug/l #	11
61) 1,2-Dibromoethane	11.06	107	10407	2.005	ug/l #	3
67) Ethyl Benzene	11.51	91	95889	5.003	ug/l	97
68) m/p-Xylenes	11.62	106	135621	18.787	ug/l	94
69) o-Xylene	11.95	106	50387	7.098	ug/l	96
70) Styrene	11.97	104	54736	4.475	ug/l	93
71) Bromoform	12.40	173	653	3.797	ug/l #	1
73) Isopropylbenzene	12.26	105	8263	0.707	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.46	83	978	0.250	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	132940	39.767	ug/l #	100
78) n-propylbenzene	12.60	91	26256	1.976	ug/l	100
79) 2-Chlorotoluene	12.66	91	8688	1.046	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.74	105	49476	5.004	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.41	75	132940	110.455	ug/l #	7
82) 4-Chlorotoluene	12.74	91	4913	0.563	ug/l #	43
83) tert-Butylbenzene	13.00	119	1940	0.220	ug/l	83
84) 1,2,4-Trimethylbenzene	13.05	105	134008	13.620	ug/l	96
85) sec-Butylbenzene	13.18	105	6174	0.535	ug/l #	67
86) p-Isopropyltoluene	13.30	119	10051	0.981	ug/l	95
89) n-Butylbenzene	13.62	91	13324	1.371	ug/l #	73
90) Hexachloroethane	13.89	117	2641	4.209	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	14.26	75	143	0.203	ug/l #	42
93) 1,2,4-Trichlorobenzene	14.92	180	837	0.243	ug/l #	1
95) Naphthalene	15.14	128	166462	18.657	ug/l	98
96) 1,2,3-Trichlorobenzene	15.30	180	1523	0.468	ug/l #	1

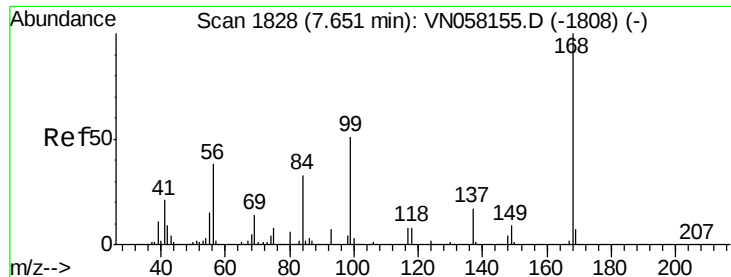
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

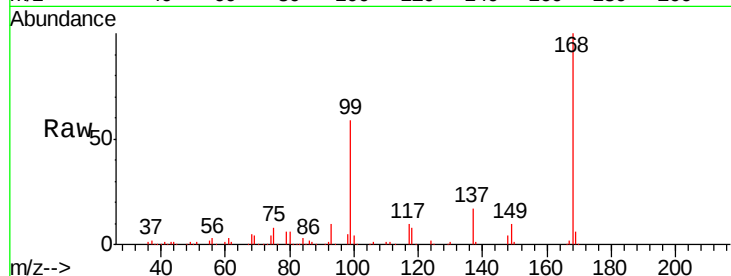
30334

Tgt Ion:168 Resp: 544079

Ion Ratio Lower Upper

168 100

99 58.9 47.4 71.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

250000

200000

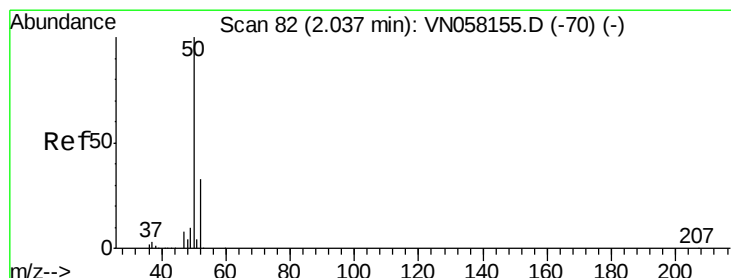
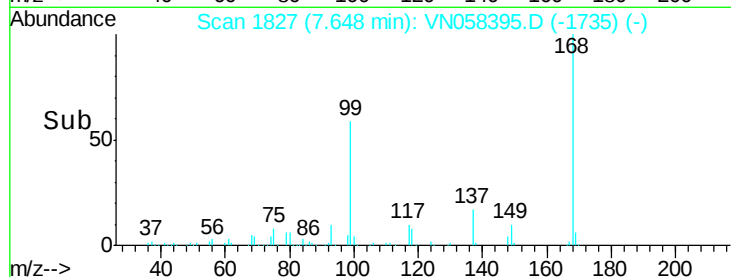
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.592 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058395.D

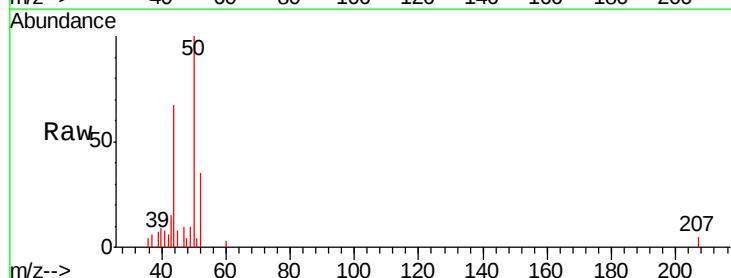
Acq: 26 Sep 2019 19:02

Tgt Ion: 50 Resp: 8934

Ion Ratio Lower Upper

50 100

52 34.5 26.3 39.5



Abundance Ion 49.90 (49.60 to 50.60): VN

Ion 51.90 (51.60 to 52.60): VN

2.04

6000

5000

4000

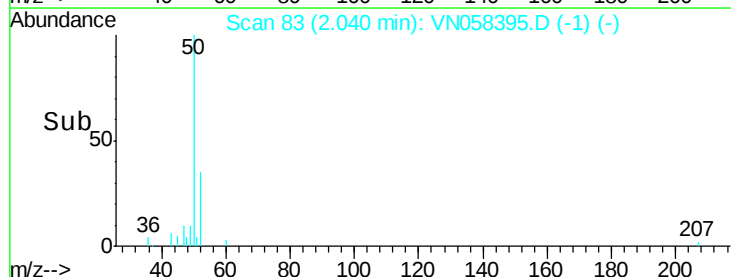
3000

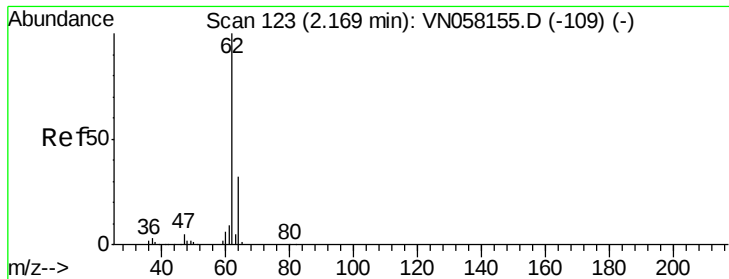
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: Below Cal

RT: 2.43 min Scan# 204

Delta R.T. 0.26 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

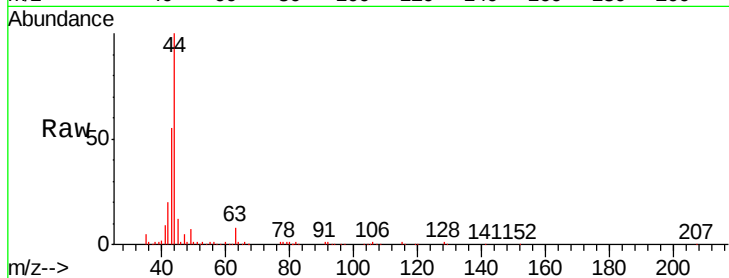
30334

Tgt Ion: 62 Resp: 105

Ion Ratio Lower Upper

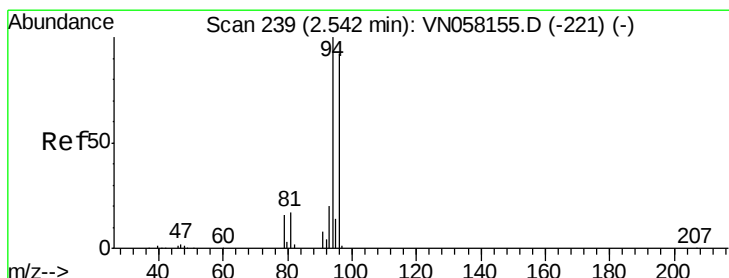
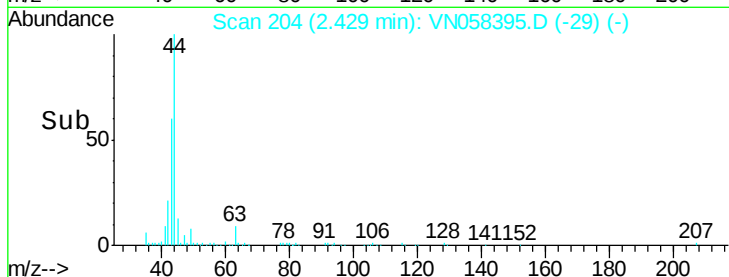
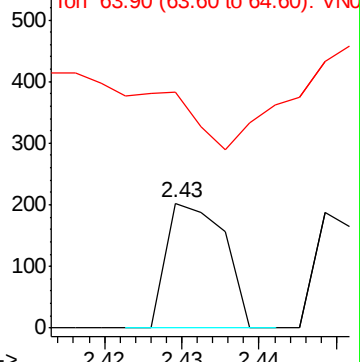
62 100

64 9.9 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0



#5

Bromomethane

Concen: 0.772 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.01 min

Lab File: VN058395.D

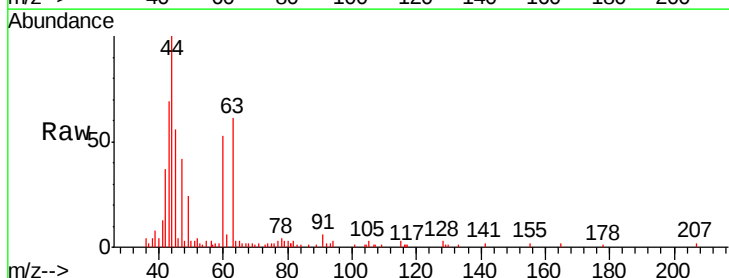
Acq: 26 Sep 2019 19:02

Tgt Ion: 94 Resp: 100

Ion Ratio Lower Upper

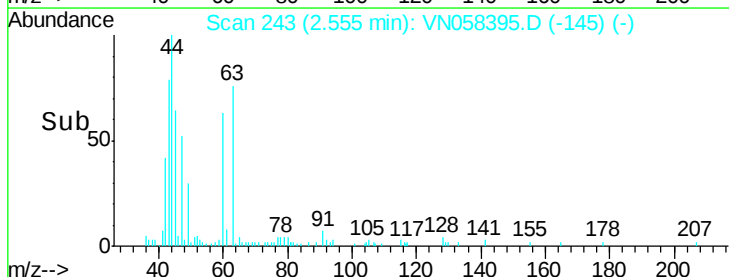
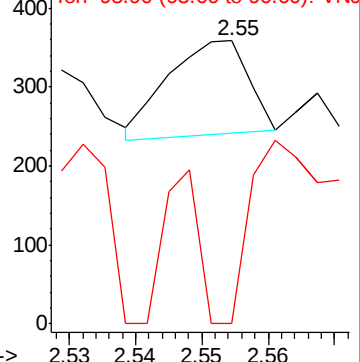
94 100

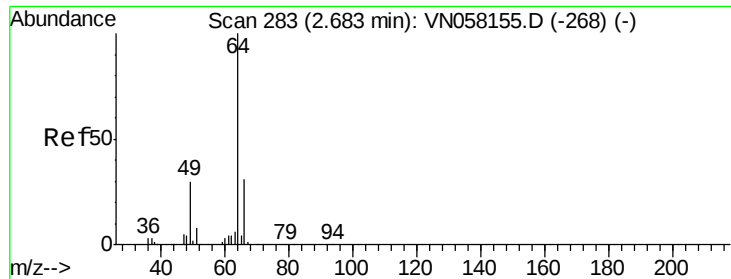
96 0.0 73.3 109.9#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0





#6

Chloroethane

Concen: Below Cal

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

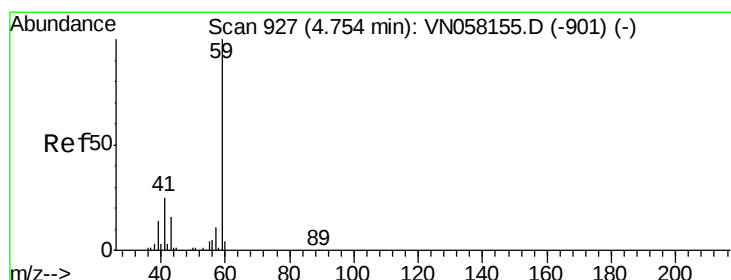
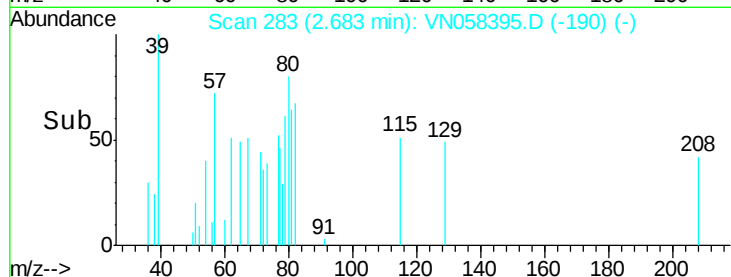
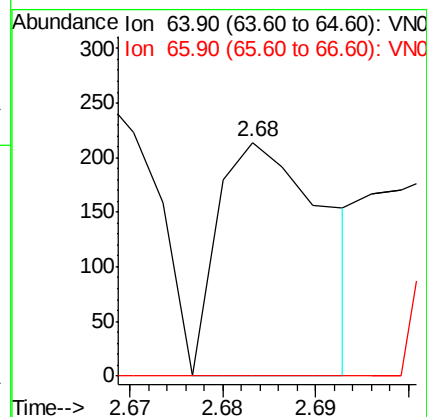
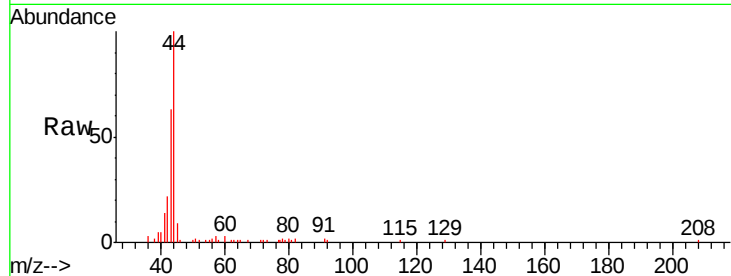
30334

Tgt Ion: 64 Resp: 173

Ion Ratio Lower Upper

64 100

66 0.0 24.6 37.0#



#11

Tert butyl alcohol

Concen: 359.257 ug/l

RT: 4.84 min Scan# 953

Delta R.T. 0.08 min

Lab File: VN058395.D

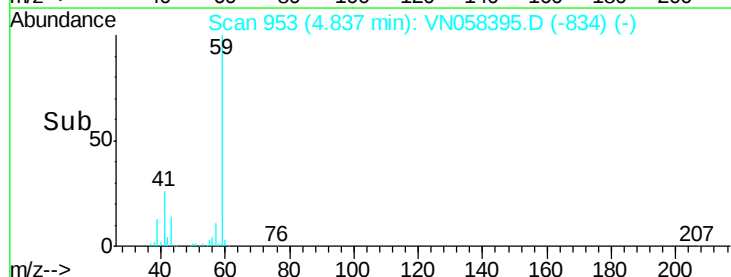
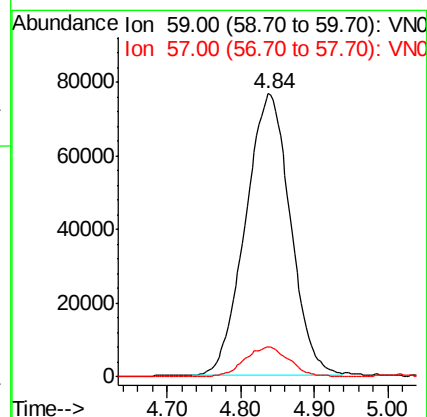
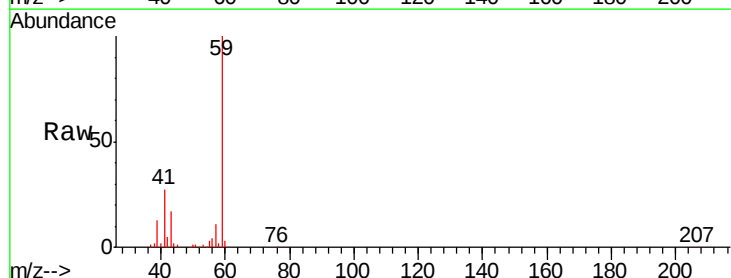
Acq: 26 Sep 2019 19:02

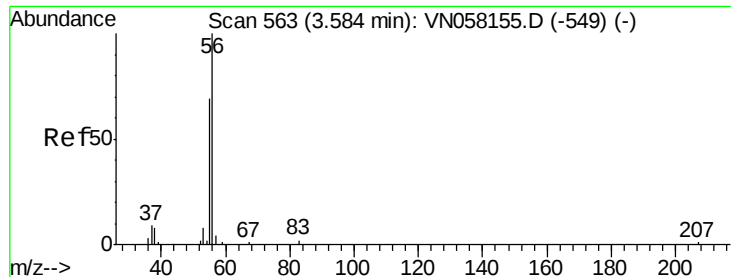
Tgt Ion: 59 Resp: 323840

Ion Ratio Lower Upper

59 100

57 10.7 8.6 13.0





#13

Acrolein

Concen: 9.350 ug/l

RT: 3.59 min Scan# 566

Delta R.T. 0.01 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

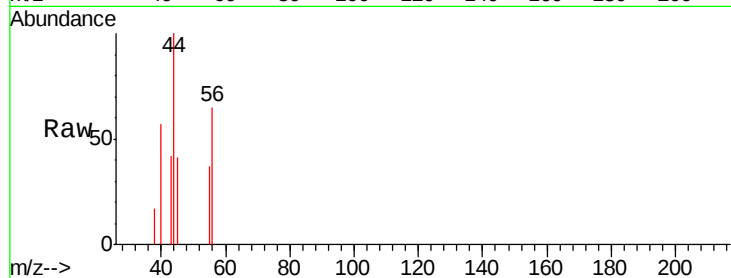
30334

Tgt Ion: 56 Resp: 1249

Ion Ratio Lower Upper

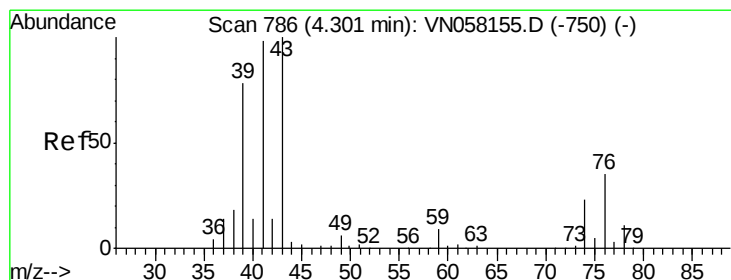
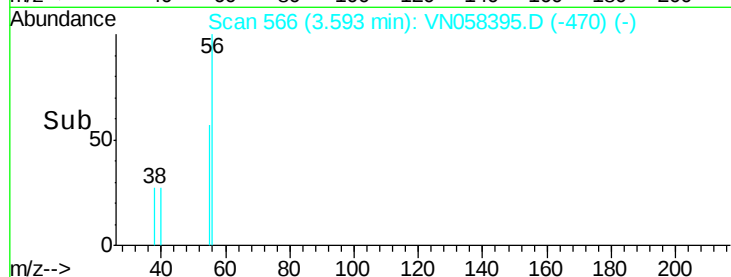
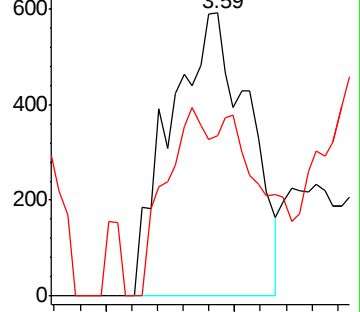
56 100

55 36.3 56.1 84.1#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.102 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

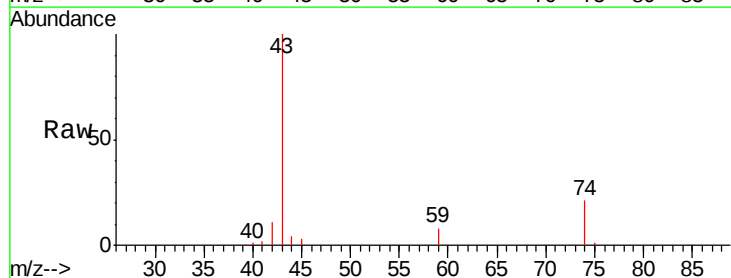
Tgt Ion: 41 Resp: 7935

Ion Ratio Lower Upper

41 100

39 0.0 59.1 88.7#

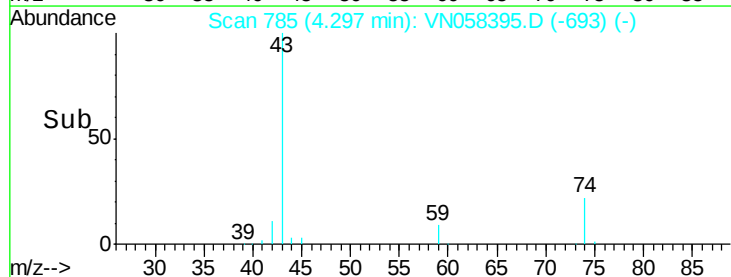
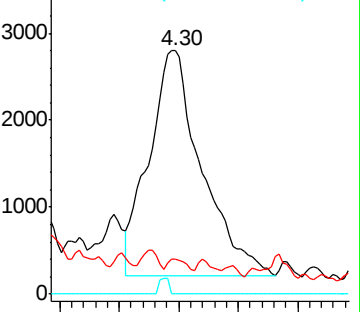
76 1.3 25.1 37.7#

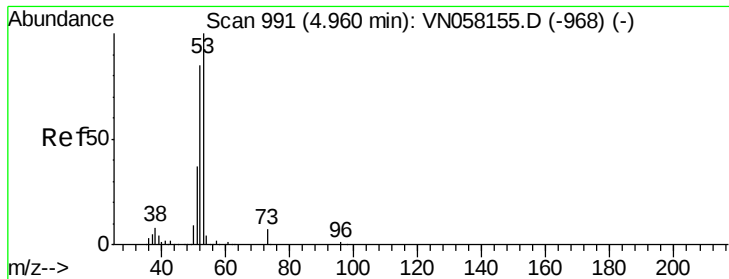


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 0.288 ug/l

RT: 4.84 min Scan# 953

Delta R.T. -0.12 min

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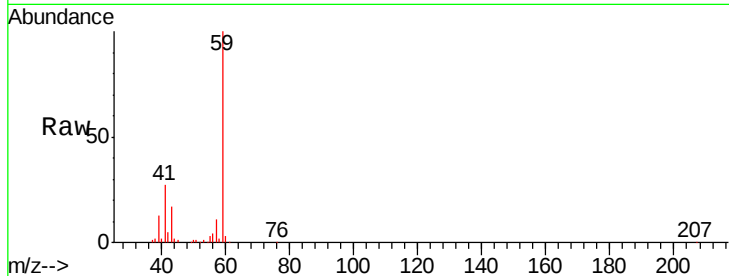
Tgt Ion: 53 Resp: 692

Ion Ratio Lower Upper

53 100

52 25.7 66.6 100.0#

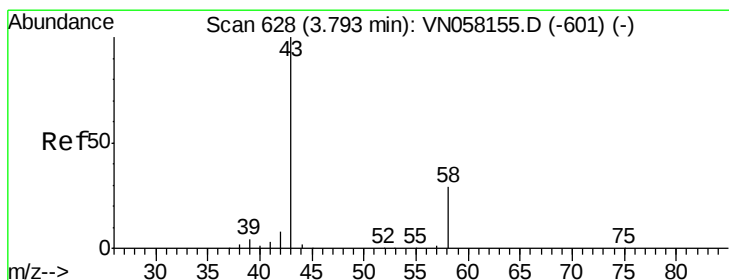
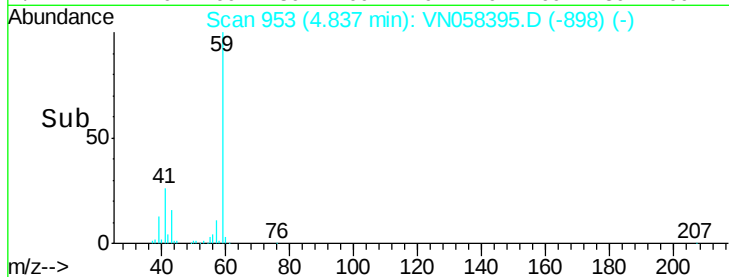
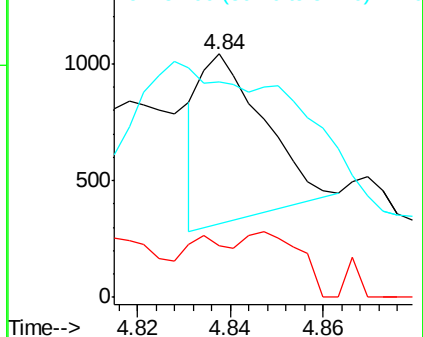
51 581.8 29.7 44.5#



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: 992.416 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058395.D

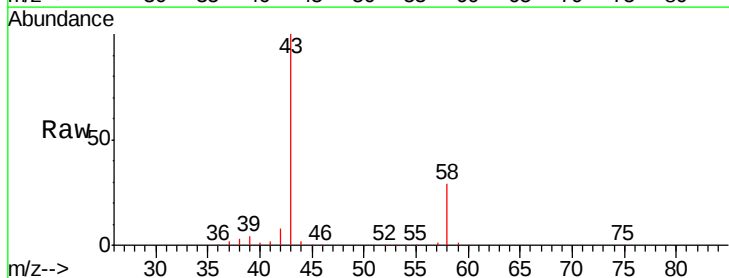
Acq: 26 Sep 2019 19:02

Tgt Ion: 43 Resp: 2552755

Ion Ratio Lower Upper

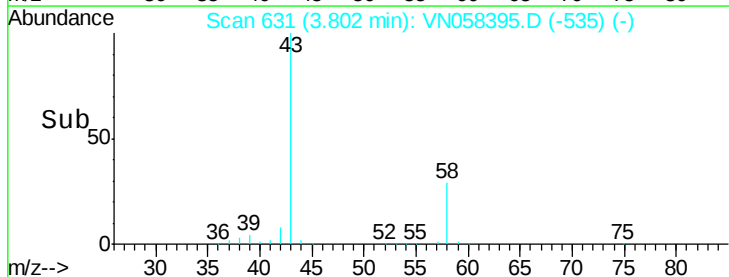
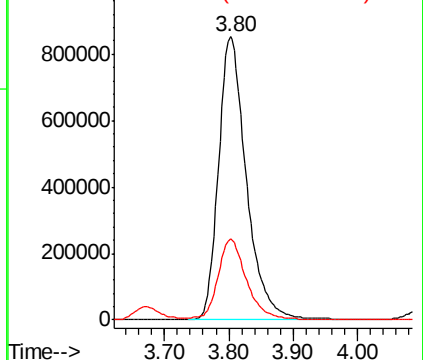
43 100

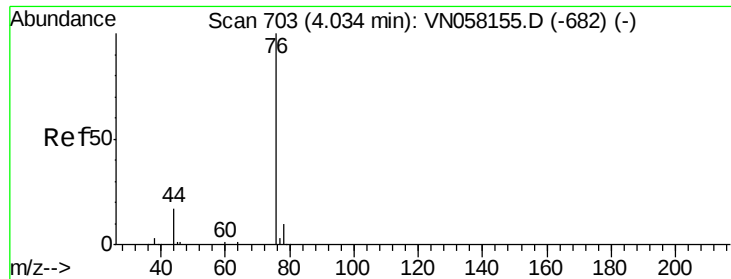
58 28.5 23.4 35.2



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#17

Carbon Disulfide

Concen: 1.333 ug/l

RT: 4.00 min Scan# 694

Delta R.T. -0.03 min

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ClientSampleId :

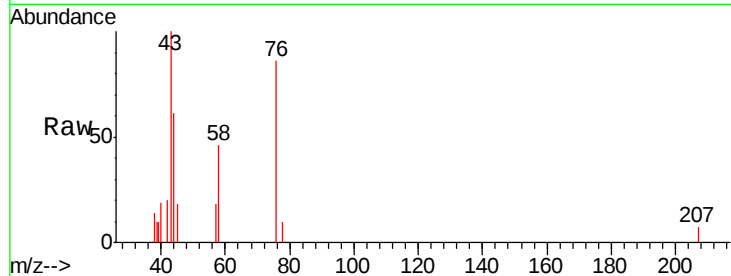
30334

Tgt Ion: 76 Resp: 5017

Ion Ratio Lower Upper

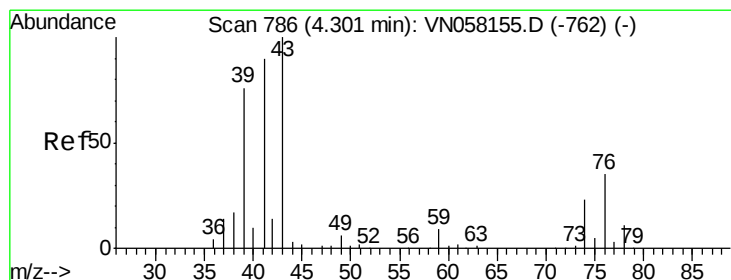
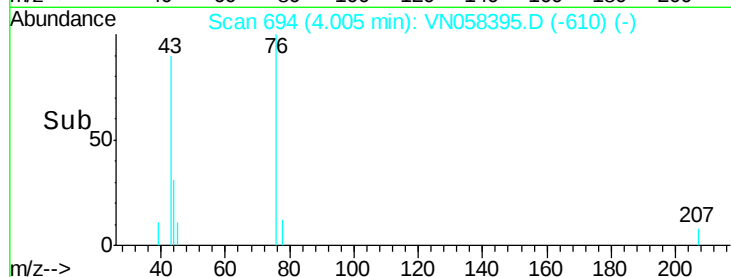
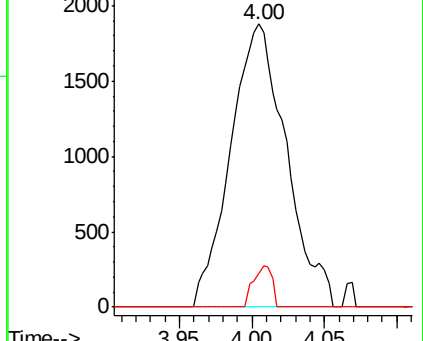
76 100

78 11.8 7.7 11.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 52.240 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN058395.D

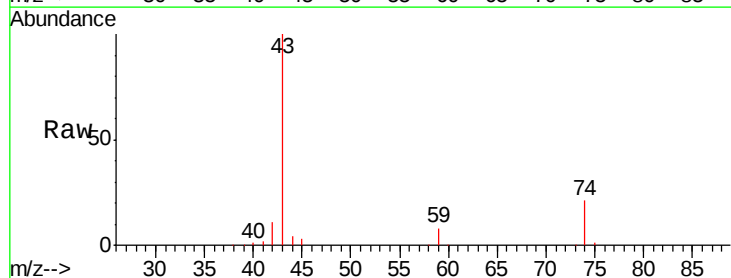
Acq: 26 Sep 2019 19:02

Tgt Ion: 43 Resp: 353587

Ion Ratio Lower Upper

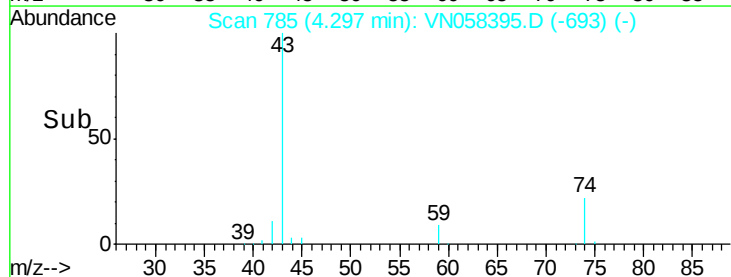
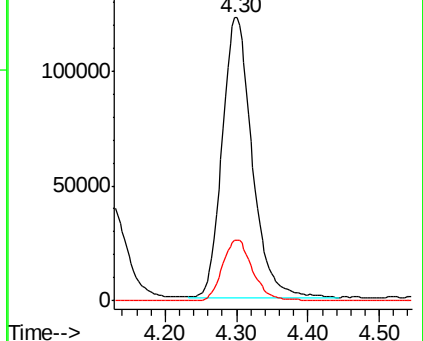
43 100

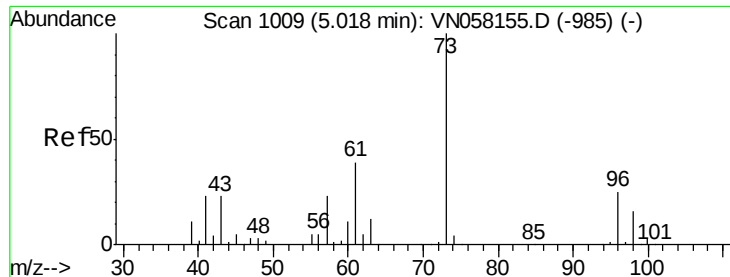
74 21.9 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO

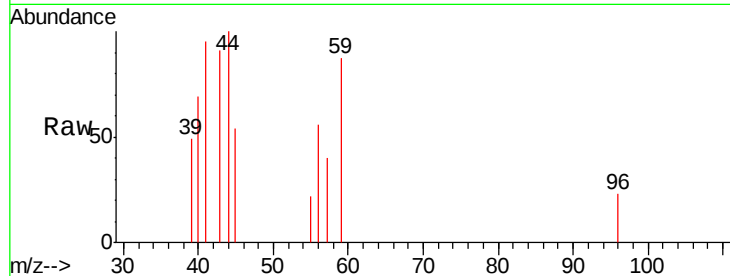




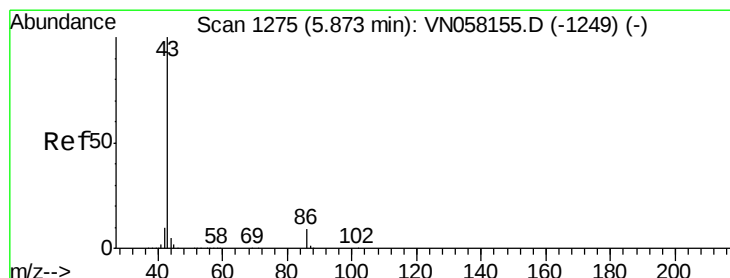
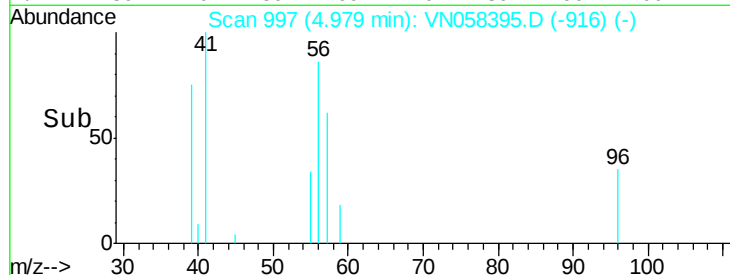
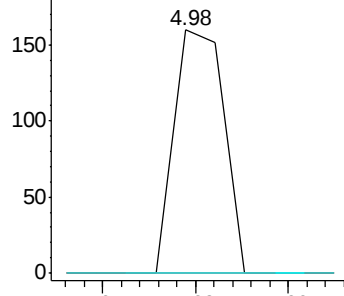
#21
trans-1,2-Dichloroethene
Concen: Below Cal
RT: 4.98 min Scan# 997
Delta R.T. -0.04 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Instrument :
MSVOA_N
ClientSampleId :
30334

Tgt Ion: 96 Resp: 60
Ion Ratio Lower Upper
96 100
61 0.0 122.2 183.4#
98 0.0 49.9 74.9#

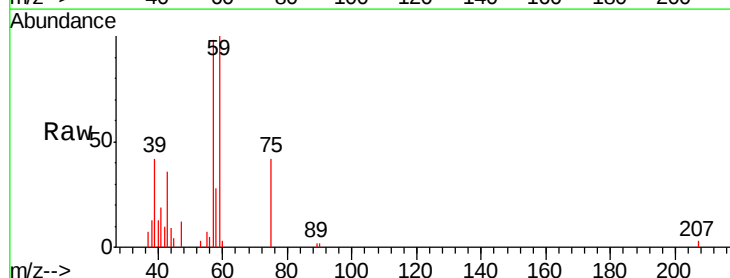


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

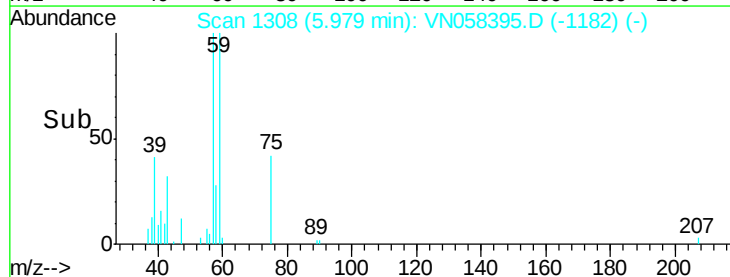
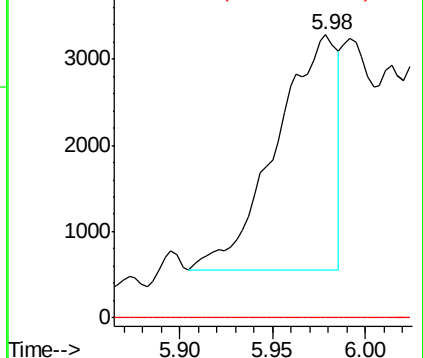


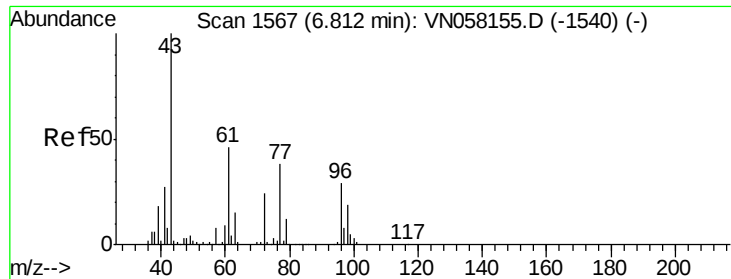
#23
Vinyl Acetate
Concen: 0.502 ug/l
RT: 5.98 min Scan# 1308
Delta R.T. 0.11 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 43 Resp: 6278
Ion Ratio Lower Upper
43 100
86 0.0 7.4 11.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0

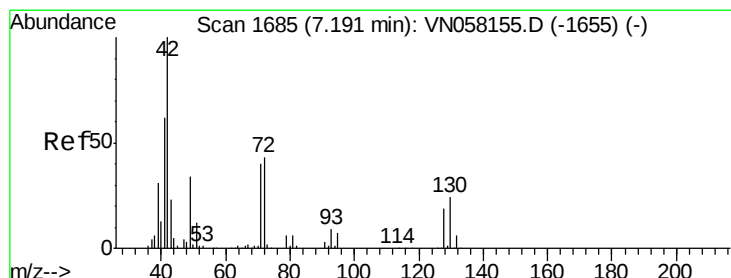
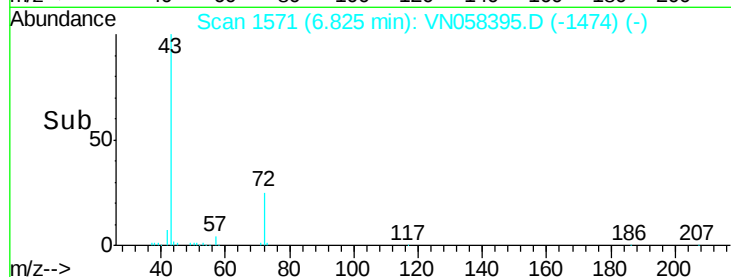
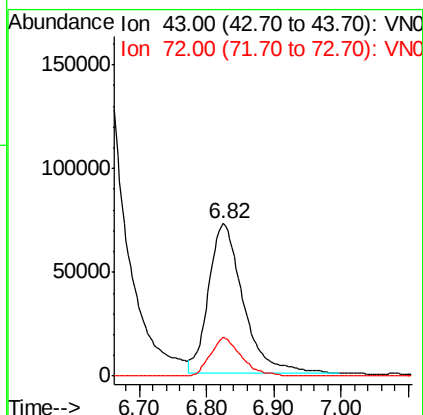
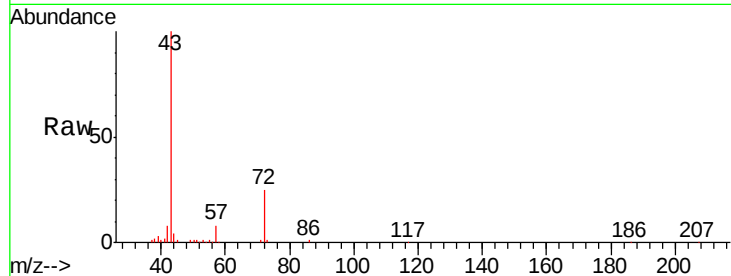




#25
2-Butanone
Concen: 74.114 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

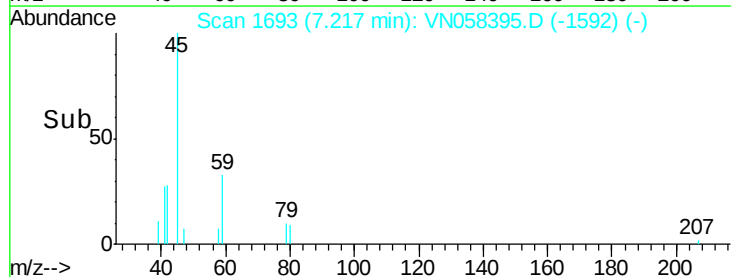
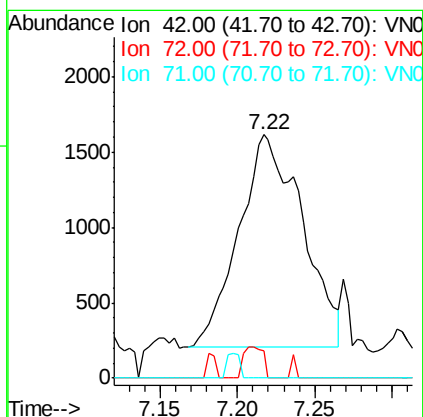
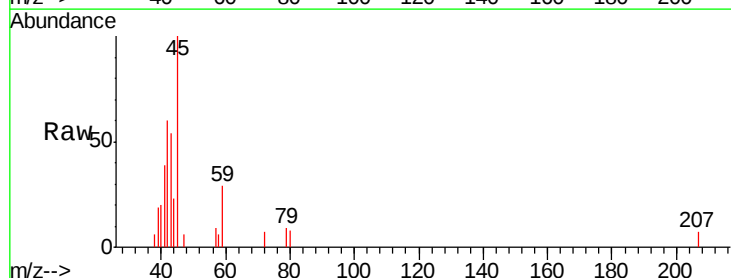
Instrument :
MSVOA_N
ClientSampled :
30334

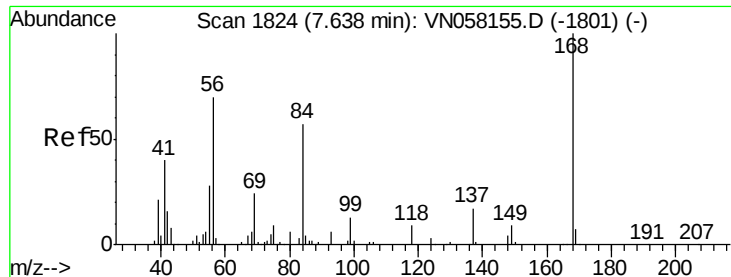
Tgt Ion: 43 Resp: 259725
Ion Ratio Lower Upper
43 100
72 25.7 19.5 29.3



#29
Tetrahydrofuran
Concen: 1.872 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.03 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 42 Resp: 4040
Ion Ratio Lower Upper
42 100
72 4.6 33.8 50.6#
71 2.3 31.4 47.0#

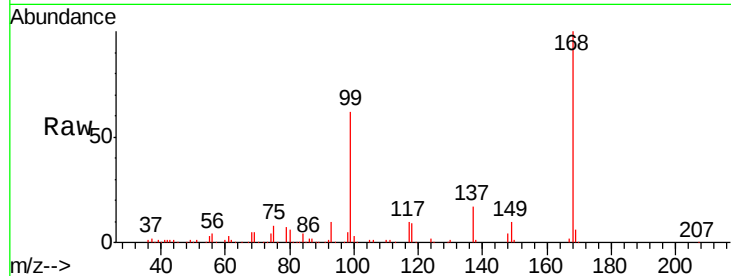




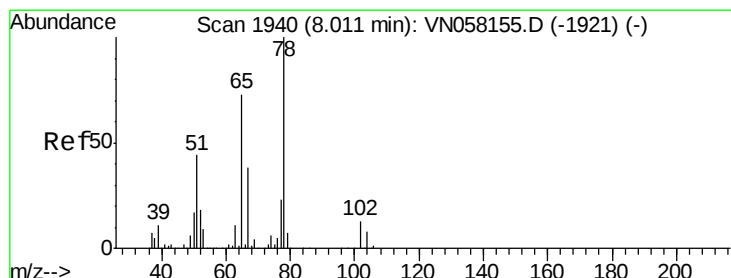
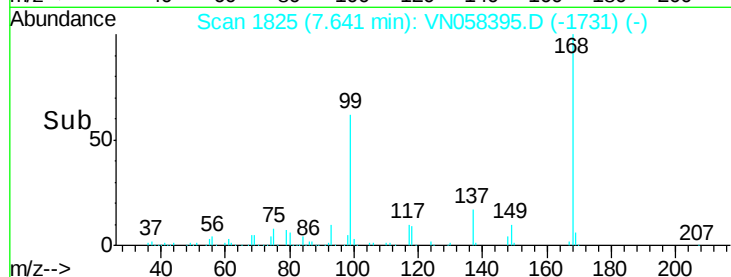
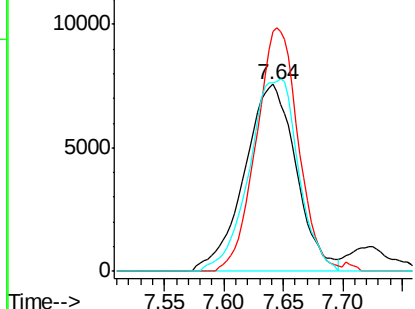
#31
Cyclohexane
Concen: 1.266 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
30334

Tgt Ion: 56 Resp: 22827
Ion Ratio Lower Upper
56 100
69 127.7 27.3 40.9#
84 100.9 65.0 97.4#

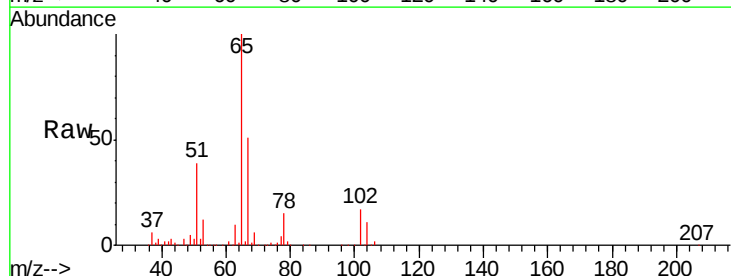


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

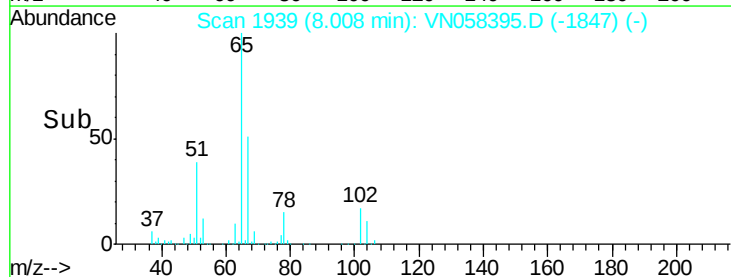
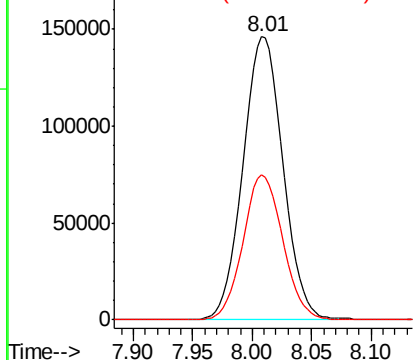


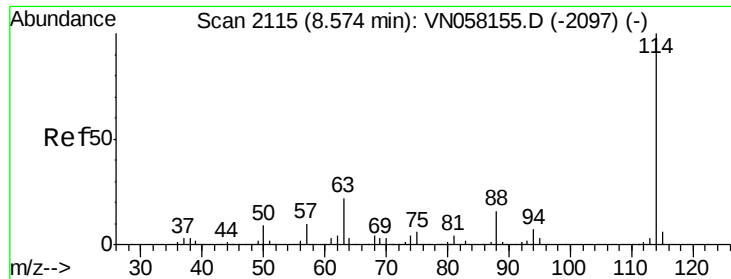
#33
1,2-Dichloroethane-d4
Concen: 44.981 ug/l
RT: 8.01 min Scan# 1939
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 65 Resp: 340860
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4



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

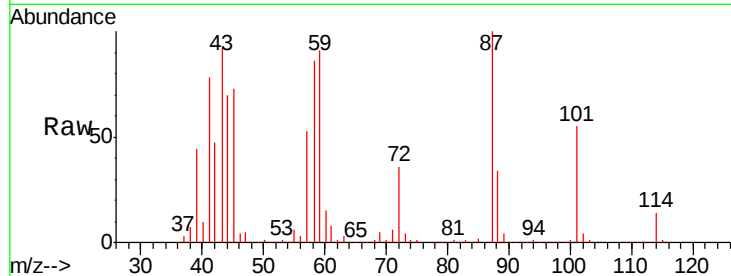




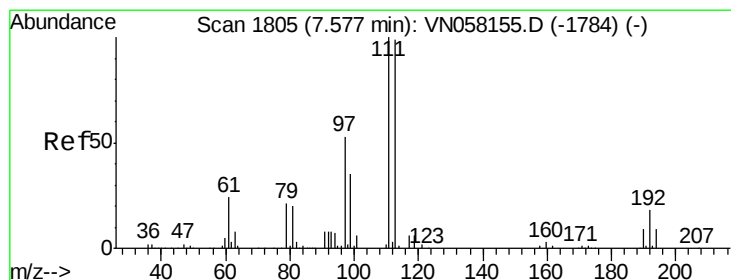
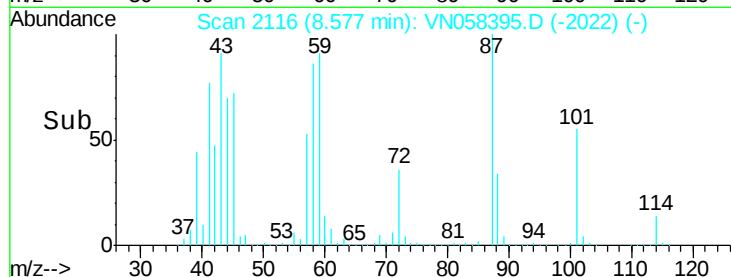
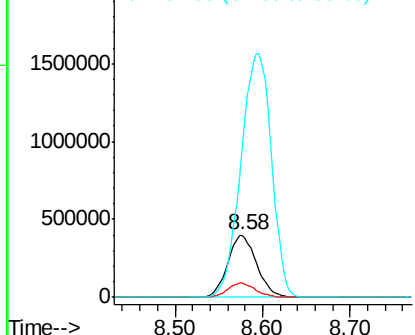
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. 0.00 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Instrument :
 MSVOA_N
 ClientSampleId :
 30334

Tgt Ion:114 Resp: 914385
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 44.2
 88 240.6 0.0 31.6#

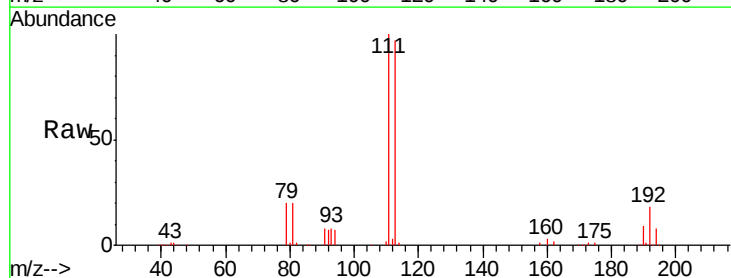


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

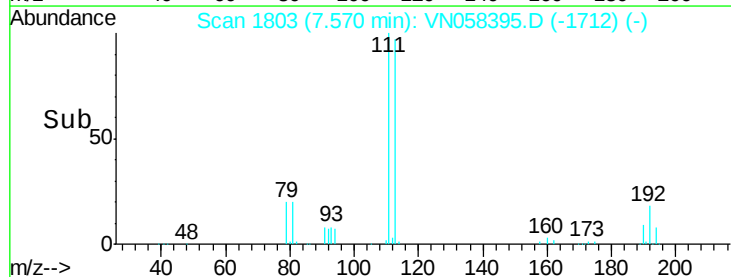
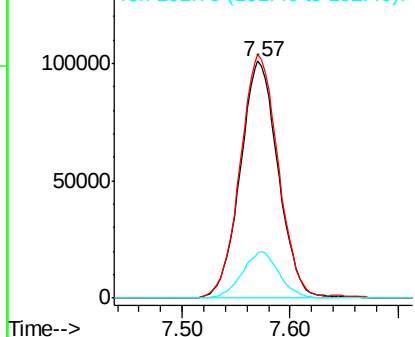


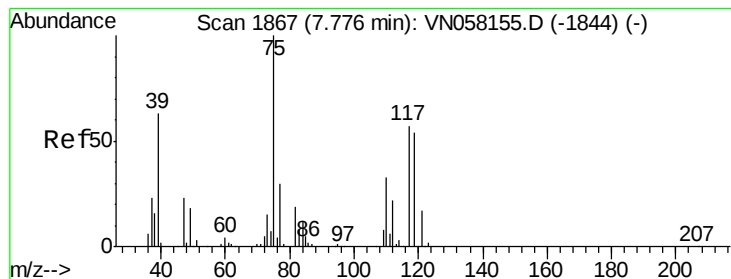
#35
 Dibromofluoromethane
 Concen: 44.214 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.01 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Tgt Ion:113 Resp: 245770
 Ion Ratio Lower Upper
 113 100
 111 103.4 81.8 122.6
 192 19.0 14.5 21.7



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 6.713 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.13 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

30334

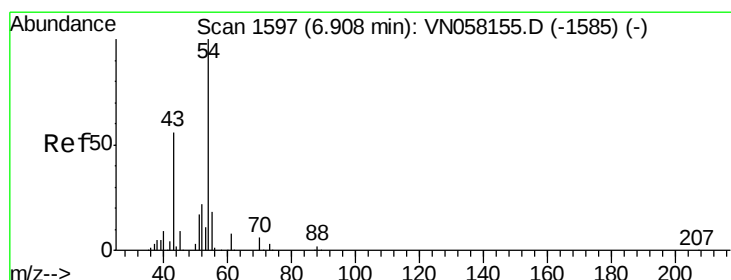
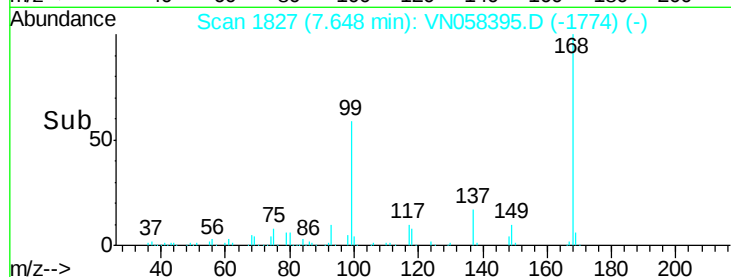
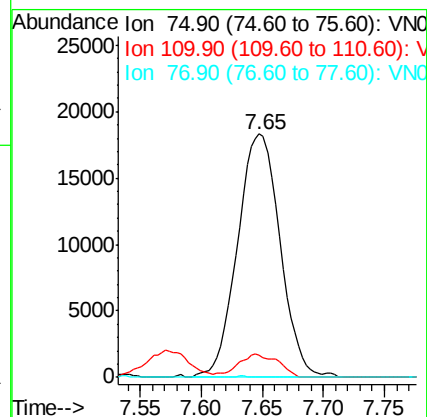
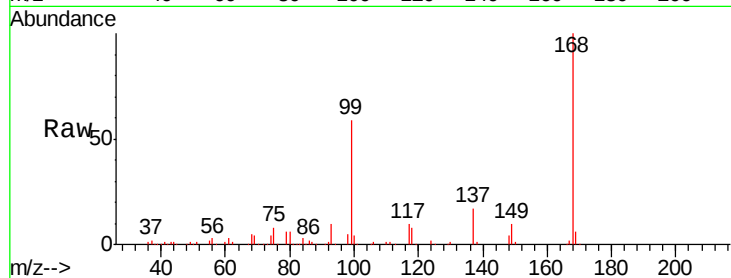
Tgt Ion: 75 Resp: 44264

Ion Ratio Lower Upper

75 100

110 8.7 16.6 49.7#

77 0.0 24.3 36.5#



#37

Ethyl Acetate

Concen: 37.954 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. -0.08 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

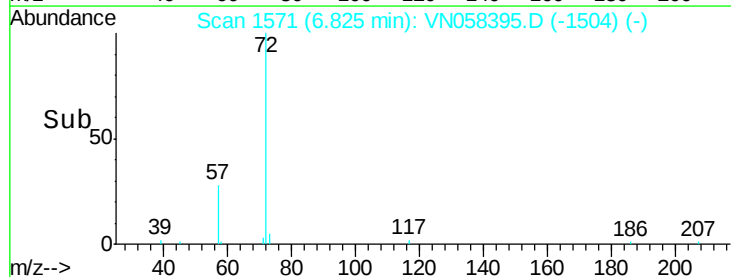
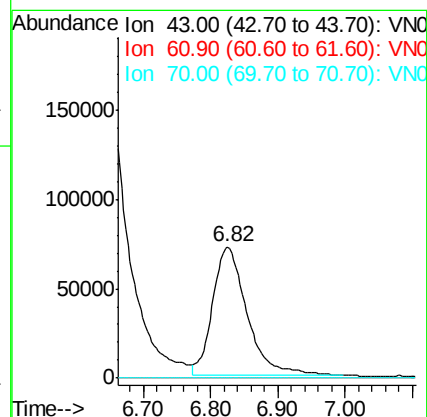
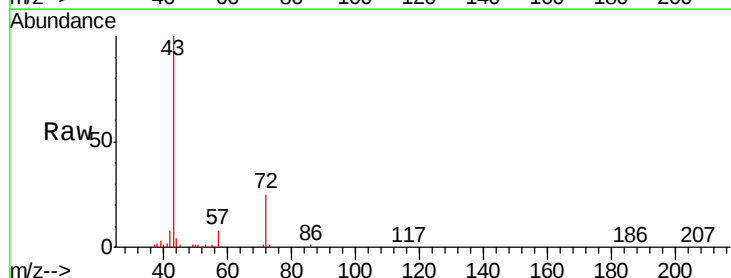
Tgt Ion: 43 Resp: 259725

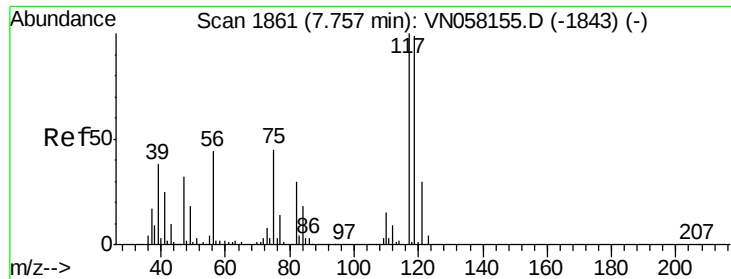
Ion Ratio Lower Upper

43 100

61 0.0 10.7 16.1#

70 0.0 7.6 11.4#





#38

Carbon Tetrachloride

Concen: 8.316 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

30334

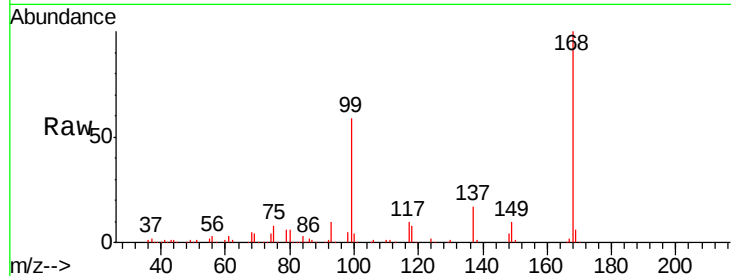
Tgt Ion:117 Resp: 55123

Ion Ratio Lower Upper

117 100

119 3.9 78.6 117.8#

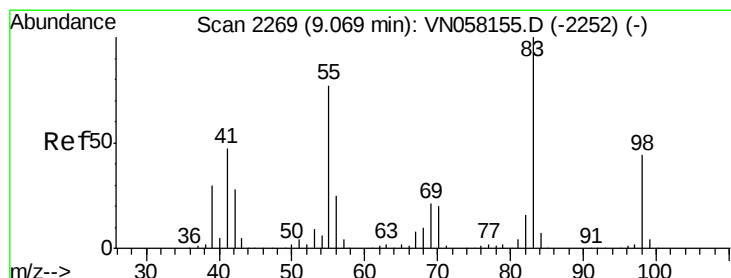
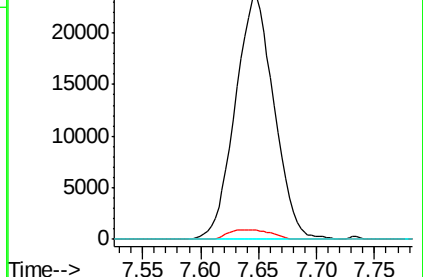
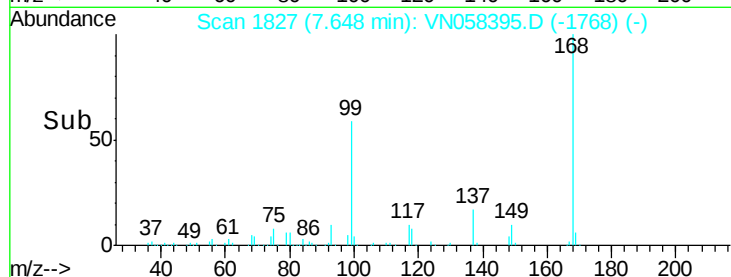
121 0.0 24.1 36.1#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#39

Methylcyclohexane

Concen: 3.879 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

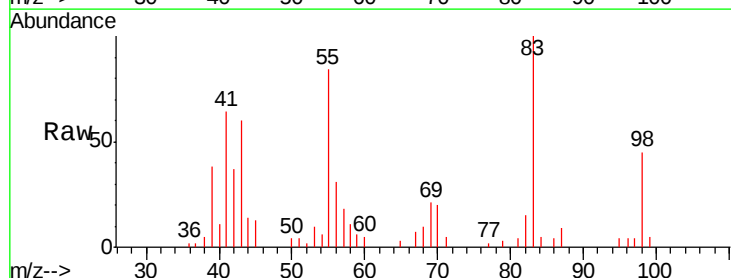
Tgt Ion: 83 Resp: 24313

Ion Ratio Lower Upper

83 100

55 81.1 61.9 92.9

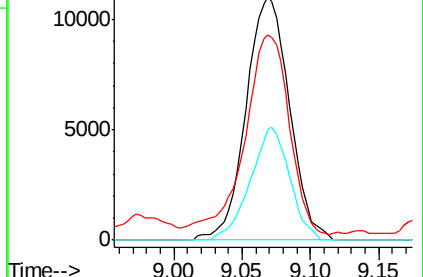
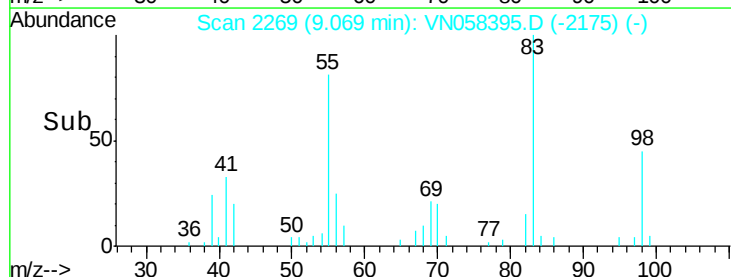
98 45.5 35.4 53.2

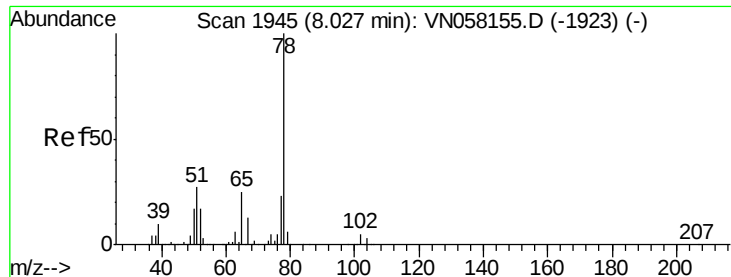


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 98.00 (97.70 to 98.70): V





#40

Benzene

Concen: 4.531 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

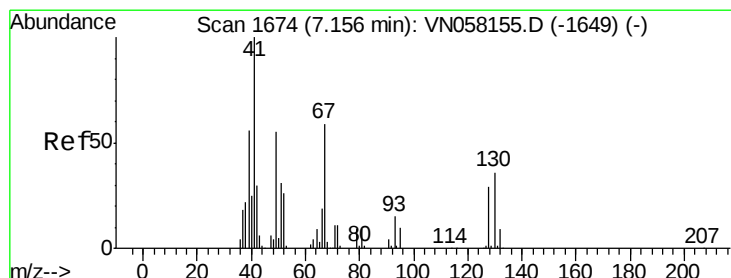
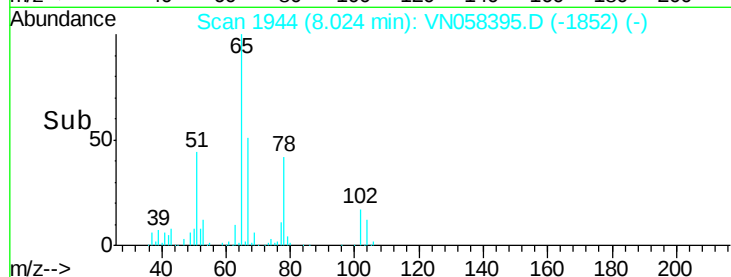
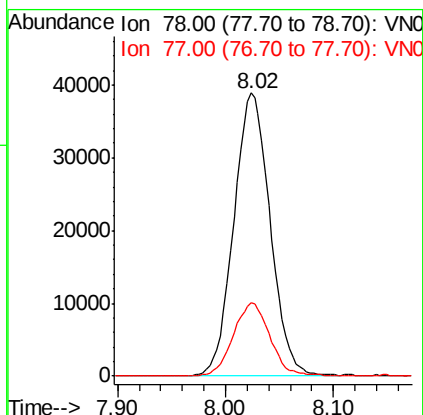
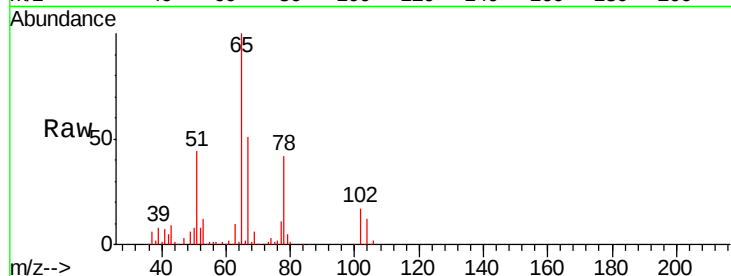
30334

Tgt Ion: 78 Resp: 91262

Ion Ratio Lower Upper

78 100

77 25.9 18.8 28.2



#41

Methacrylonitrile

Concen: 0.989 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. 0.02 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Tgt Ion: 41 Resp: 275

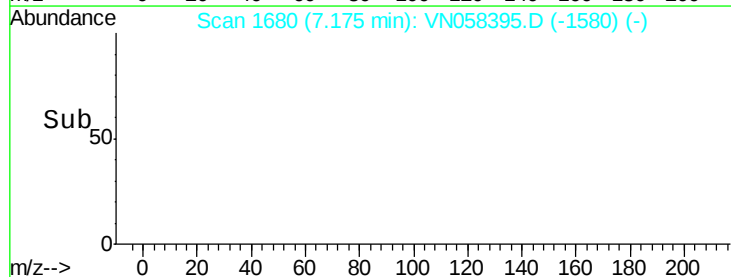
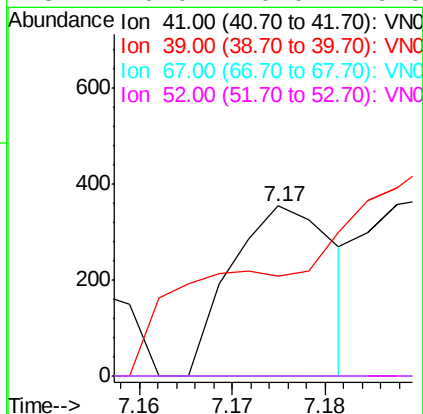
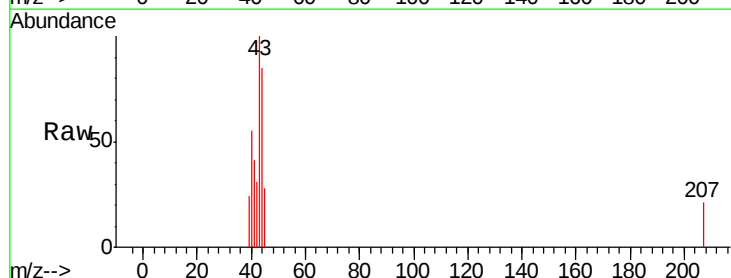
Ion Ratio Lower Upper

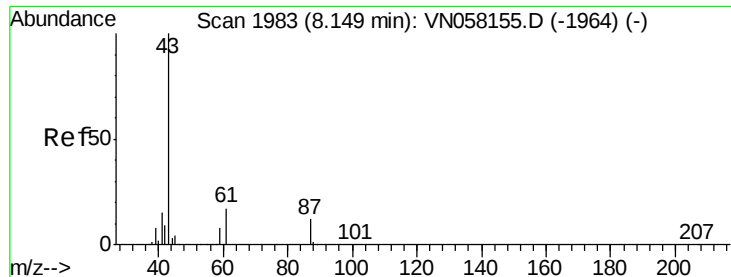
41 100

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: 2.589 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.03 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampleId :

30334

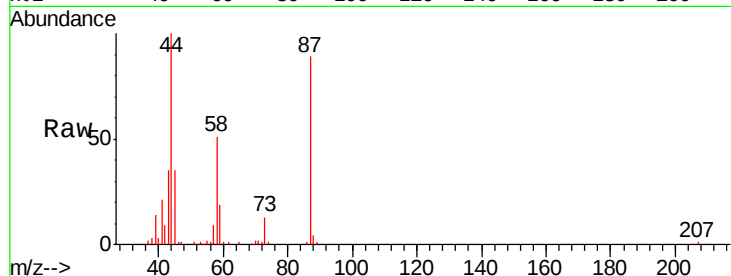
Tgt Ion: 43 Resp: 33094

Ion Ratio Lower Upper

43 100

61 0.0 19.7 29.5#

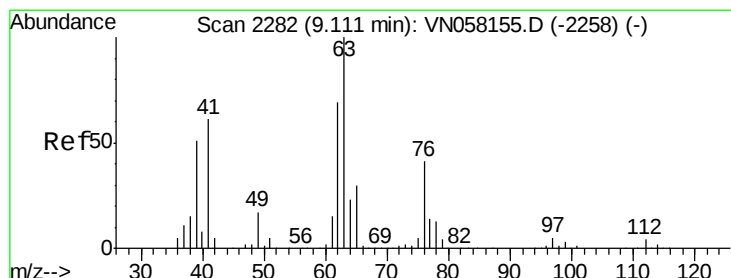
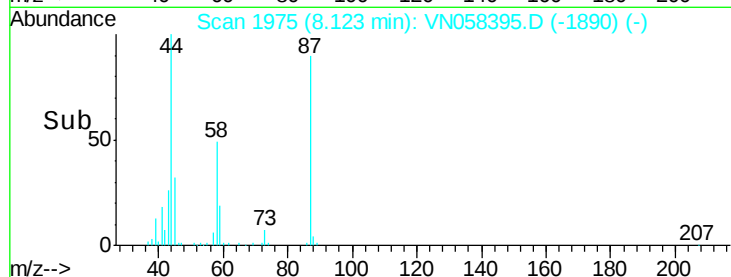
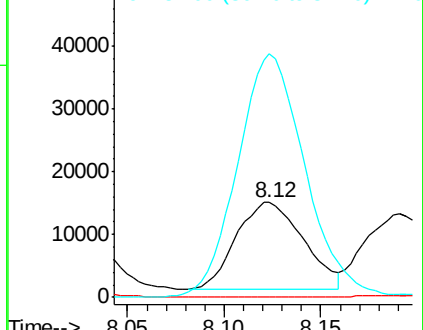
87 287.2 9.4 14.2#



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: 12.498 ug/l

RT: 8.89 min Scan# 2214

Delta R.T. -0.22 min

Lab File: VN058395.D

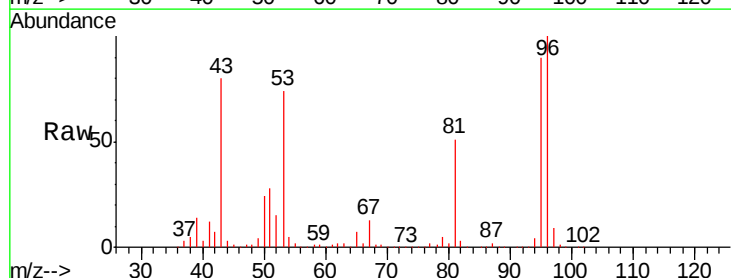
Acq: 26 Sep 2019 19:02

Tgt Ion: 63 Resp: 75173

Ion Ratio Lower Upper

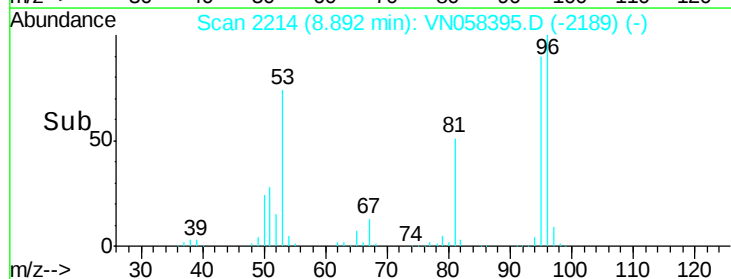
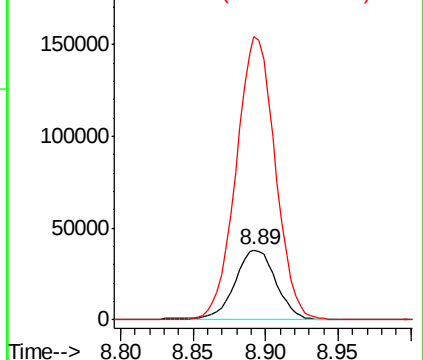
63 100

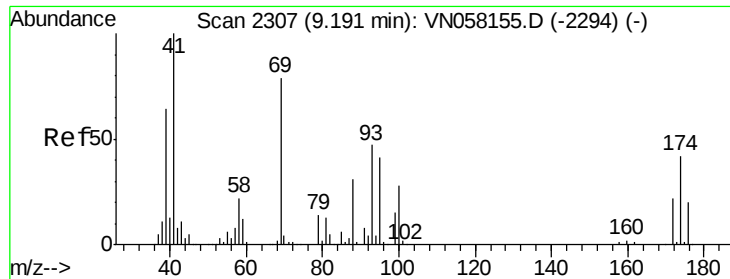
65 402.1 23.8 35.6#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

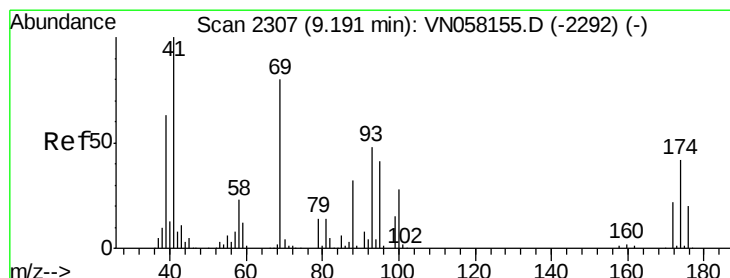
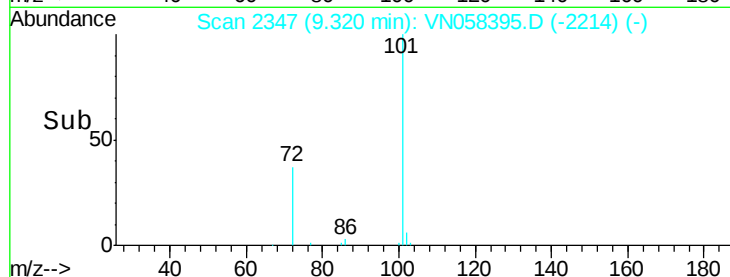
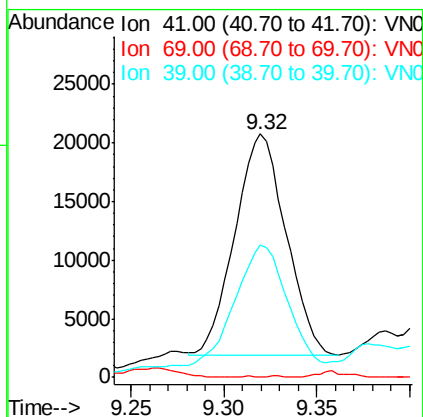
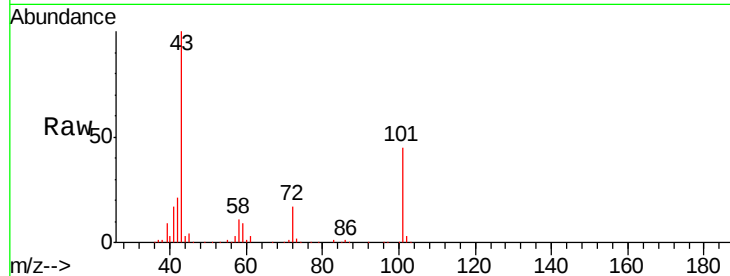




#48
Methyl methacrylate
Concen: 6.224 ug/l
RT: 9.32 min Scan# 2347
Delta R.T. 0.13 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

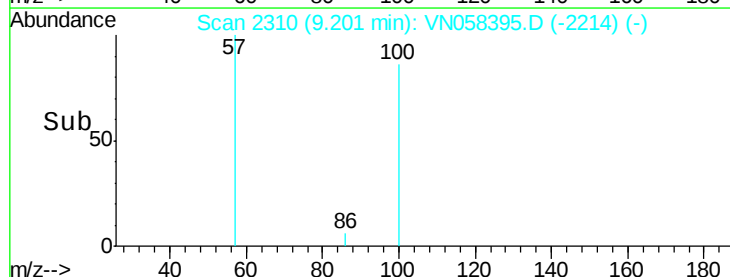
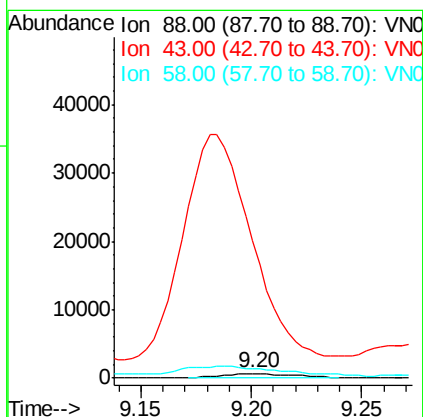
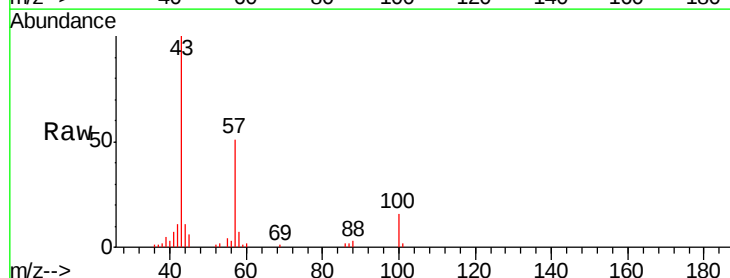
Instrument :
MSVOA_N
ClientSampled :
30334

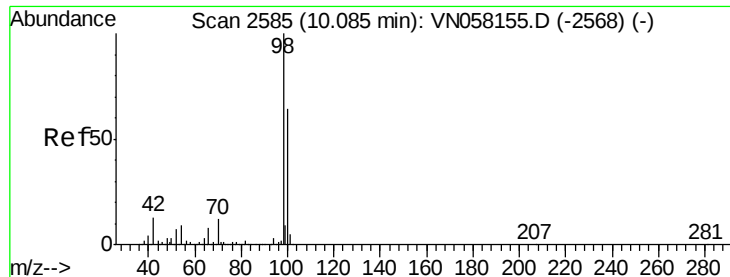
Tgt Ion: 41 Resp: 36115
Ion Ratio Lower Upper
41 100
69 0.0 62.5 93.7#
39 63.7 52.3 78.5



#49
1,4-Dioxane
Concen: 15.923 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.01 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 88 Resp: 1517
Ion Ratio Lower Upper
88 100
43 4705.4 27.8 41.8#
58 282.1 55.0 82.4#

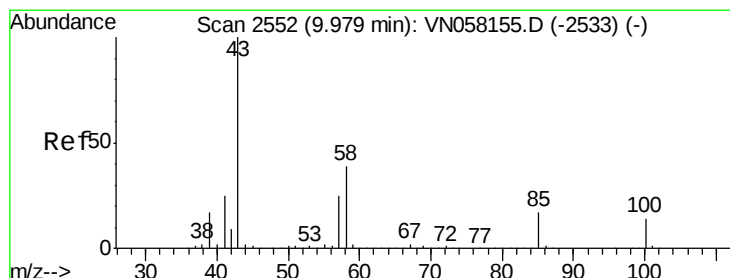
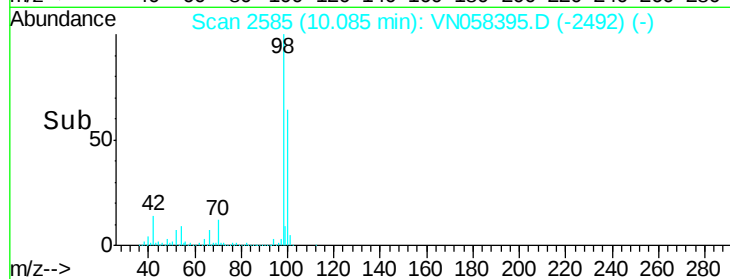
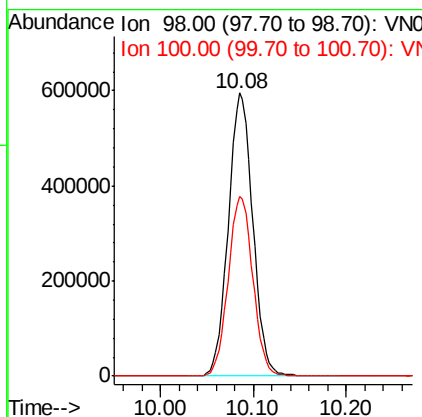
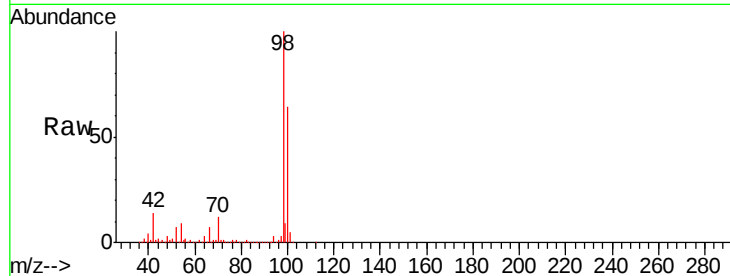




#50
Toluene-d8
Concen: 50.318 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

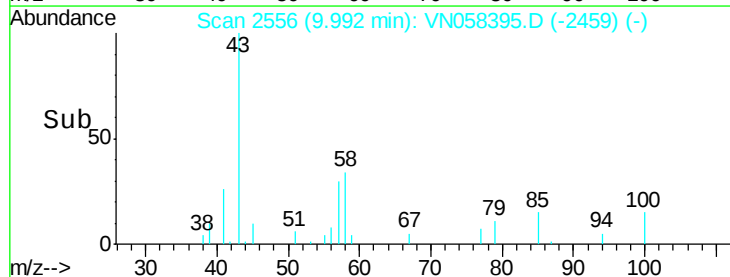
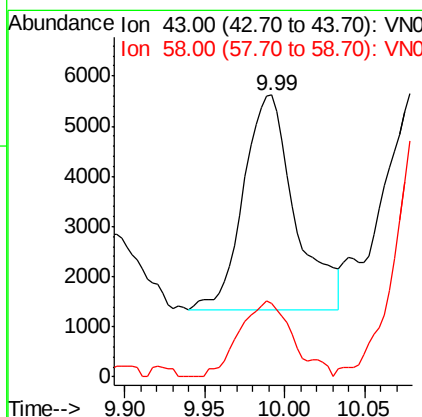
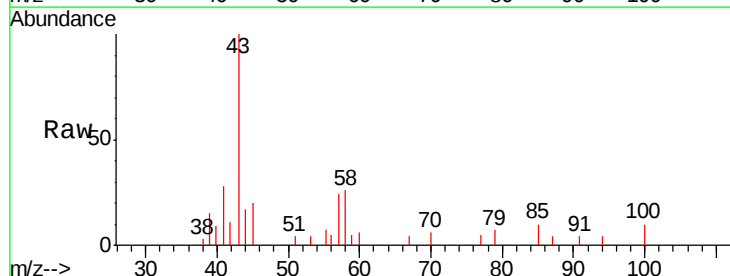
Instrument :
MSVOA_N
ClientSampleId :
30334

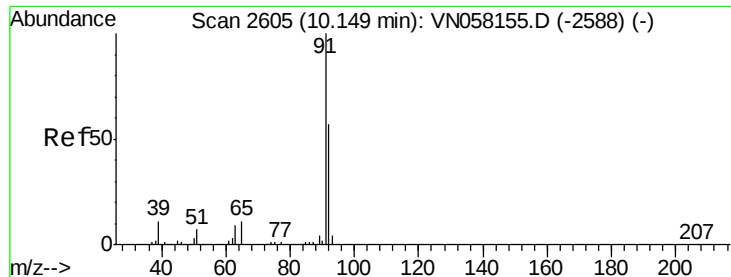
Tgt Ion: 98 Resp: 1089779
Ion Ratio Lower Upper
98 100
100 64.1 51.1 76.7



#51
4-Methyl-2-Pentanone
Concen: 1.393 ug/l
RT: 9.99 min Scan# 2556
Delta R.T. 0.01 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 43 Resp: 9453
Ion Ratio Lower Upper
43 100
58 36.8 30.2 45.4





#52

Toluene

Concen: 15.643 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

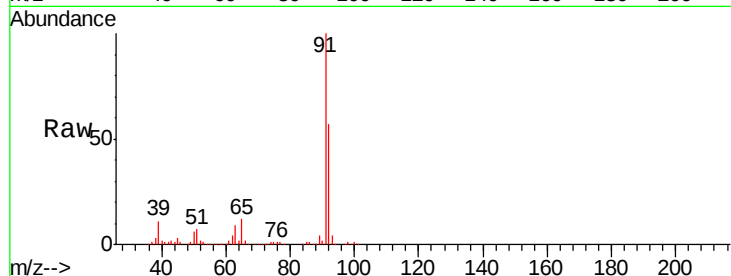
30334

Tgt Ion: 92 Resp: 197445

Ion Ratio Lower Upper

92 100

91 176.0 140.2 210.2



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

200000

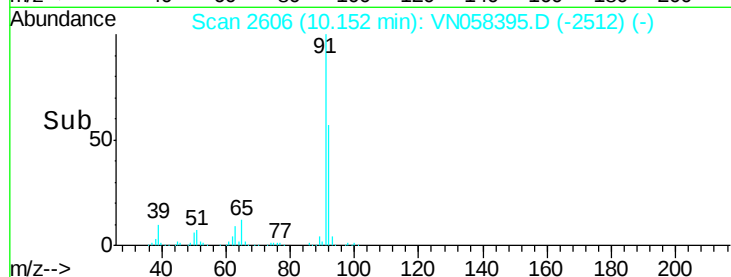
150000

100000

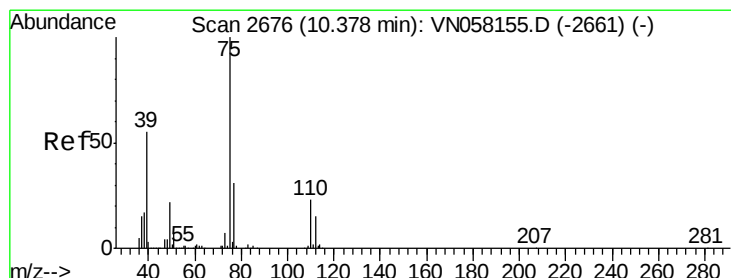
50000

0

10.05 10.10 10.15 10.20



Time-->



#53

t-1,3-Dichloropropene

Concen: 0.861 ug/l

RT: 10.35 min Scan# 2666

Delta R.T. -0.03 min

Lab File: VN058395.D

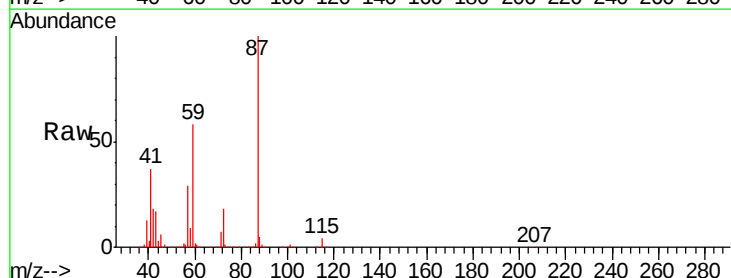
Acq: 26 Sep 2019 19:02

Tgt Ion: 75 Resp: 6756

Ion Ratio Lower Upper

75 100

77 0.0 24.9 37.3#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

4000

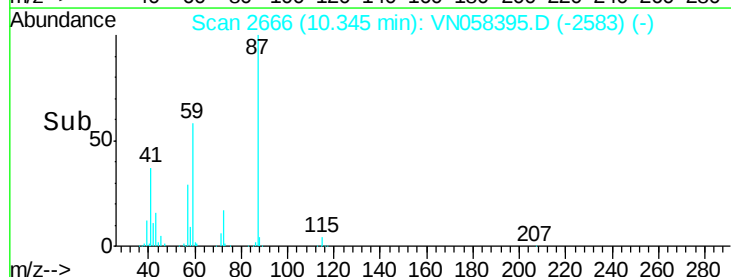
3000

2000

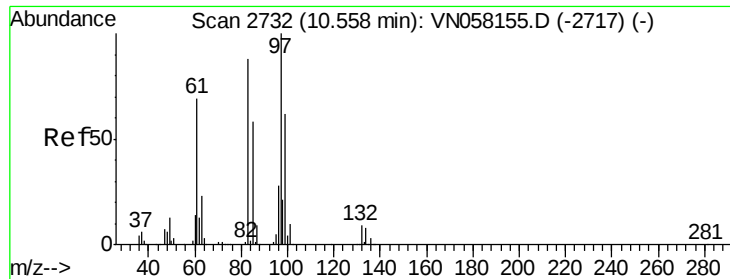
1000

0

10.30 10.35 10.40



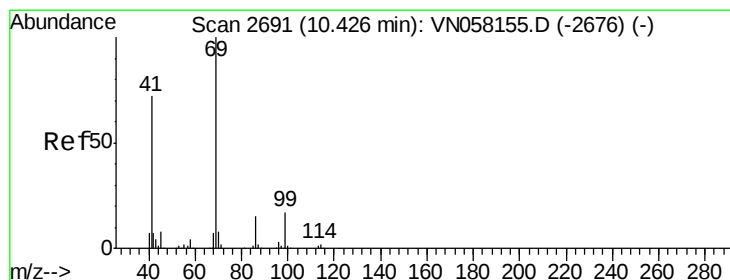
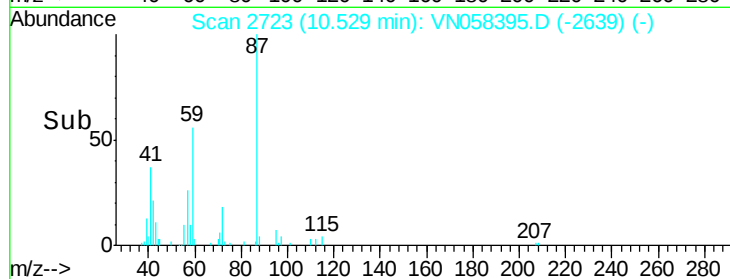
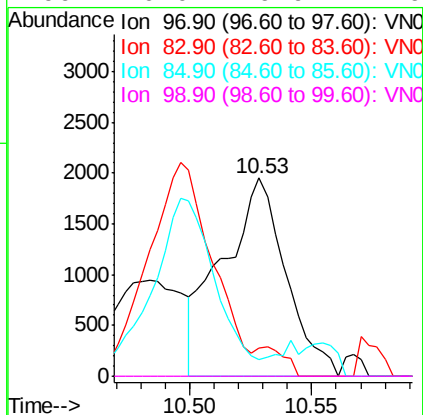
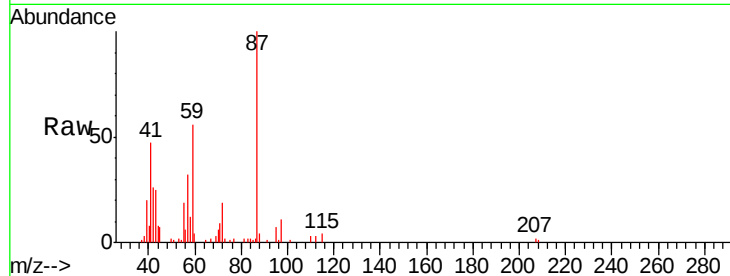
Time-->



#55
 1,1,2-Trichloroethane
 Concen: 0.630 ug/l
 RT: 10.53 min Scan# 2723
 Delta R.T. -0.03 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

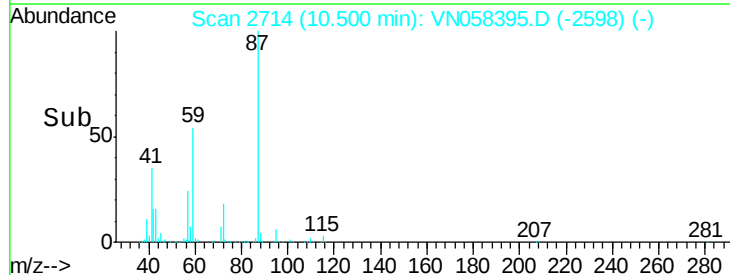
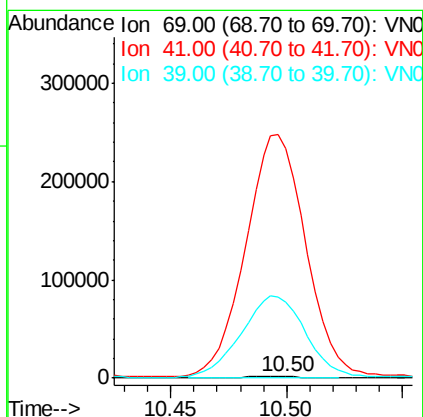
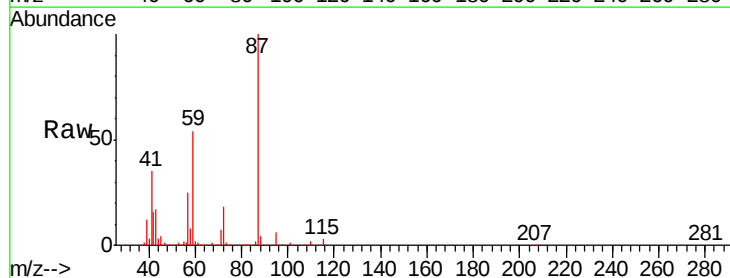
Instrument :
 MSVOA_N
 ClientSampled :
 30334

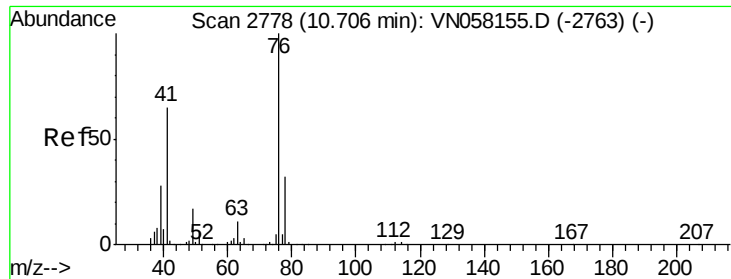
Tgt Ion: 97 Resp: 3530
 Ion Ratio Lower Upper
 97 100
 83 14.1 70.4 105.6#
 85 0.0 46.8 70.2#
 99 0.0 49.9 74.9#



#56
 Ethyl methacrylate
 Concen: 0.300 ug/l
 RT: 10.50 min Scan# 2714
 Delta R.T. 0.07 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Tgt Ion: 69 Resp: 2426
 Ion Ratio Lower Upper
 69 100
 41 18343.9 57.5 86.3#
 39 6580.7 36.1 54.1#

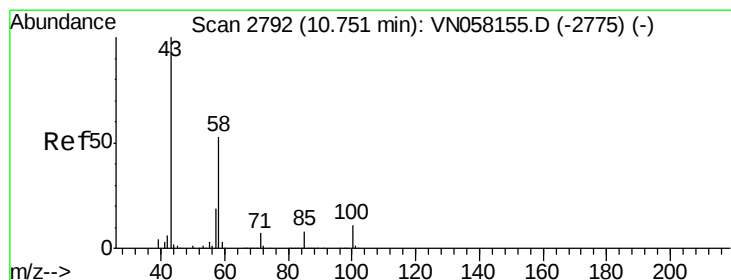
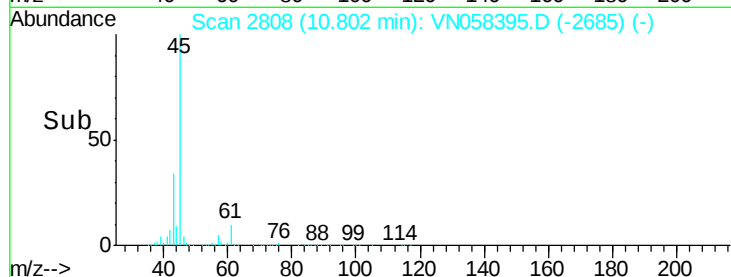
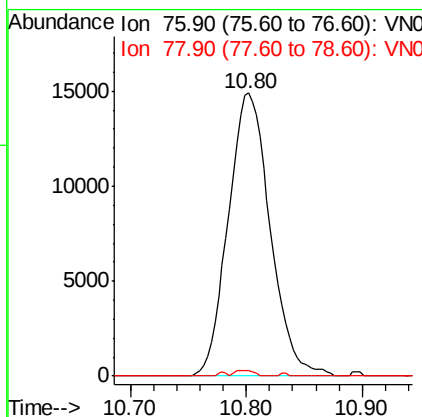
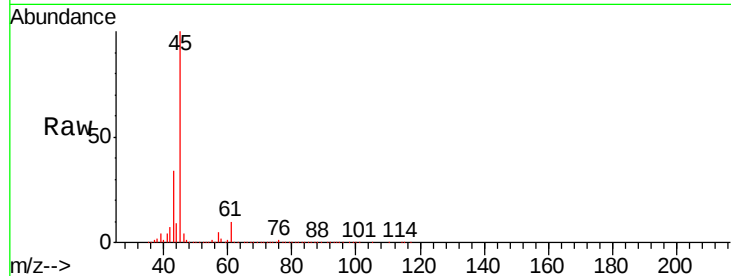




#57
 1,3-Dichloropropane
 Concen: 3.877 ug/l
 RT: 10.80 min Scan# 2808
 Delta R.T. 0.10 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

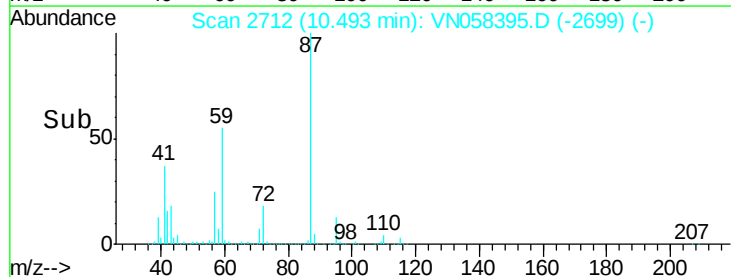
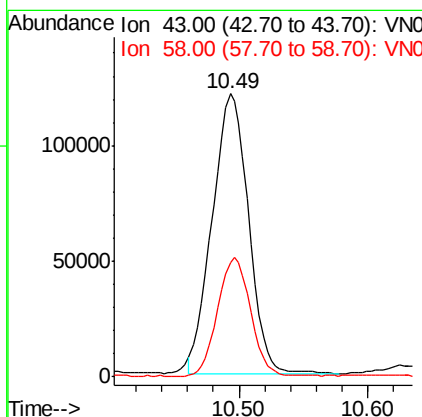
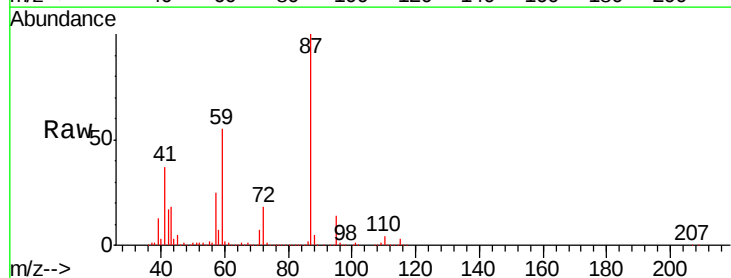
Instrument :
 MSVOA_N
 ClientSampleId :
 30334

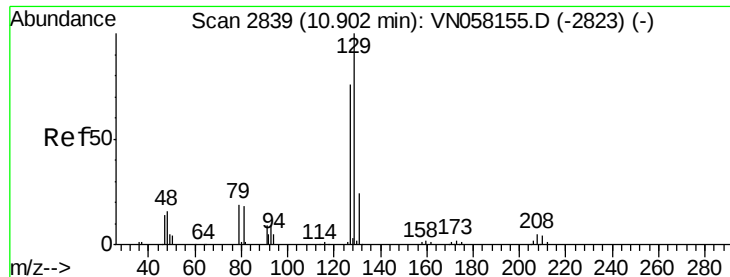
Tgt Ion: 76 Resp: 37332
 Ion Ratio Lower Upper
 76 100
 78 0.9 25.4 38.0#



#59
 2-Hexanone
 Concen: 46.908 ug/l
 RT: 10.49 min Scan# 2712
 Delta R.T. -0.26 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Tgt Ion: 43 Resp: 236497
 Ion Ratio Lower Upper
 43 100
 58 38.0 26.0 78.0





#60

Dibromochloromethane

Concen: 0.217 ug/l

RT: 10.87 min Scan# 2828

Delta R.T. -0.04 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

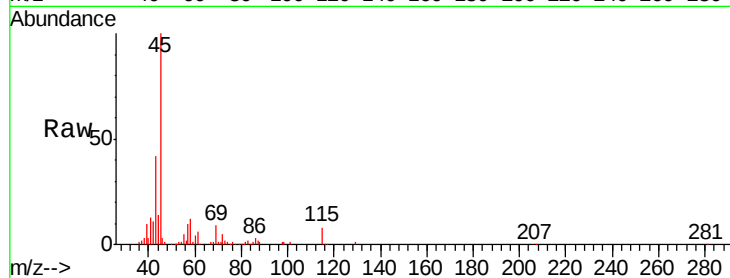
30334

Tgt Ion:129 Resp: 1171

Ion Ratio Lower Upper

129 100

127 0.0 38.7 116.1#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V

800

600

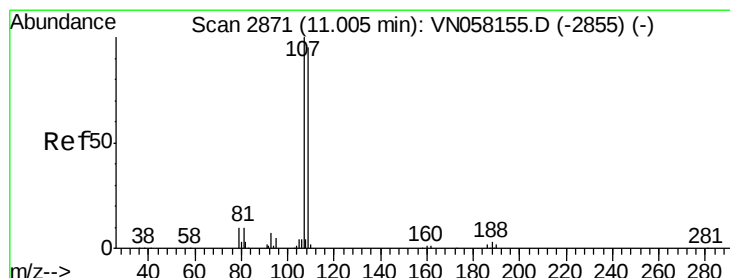
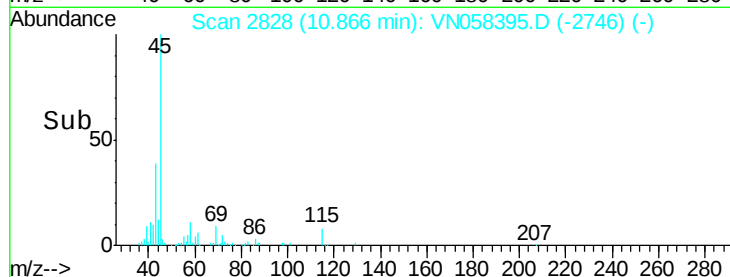
400

200

0

10.85 10.87 10.90

Time-->



#61

1,2-Dibromoethane

Concen: 2.005 ug/l

RT: 11.06 min Scan# 2888

Delta R.T. 0.05 min

Lab File: VN058395.D

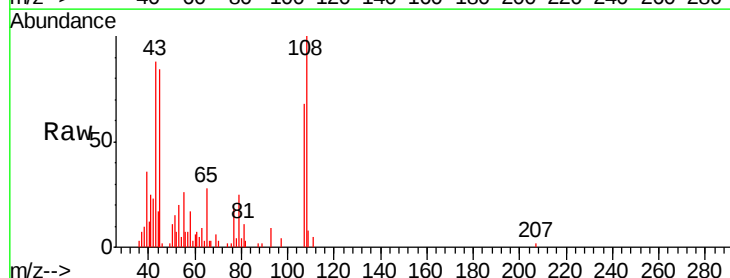
Acq: 26 Sep 2019 19:02

Tgt Ion:107 Resp: 10407

Ion Ratio Lower Upper

107 100

109 0.0 75.4 113.2#



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

6000

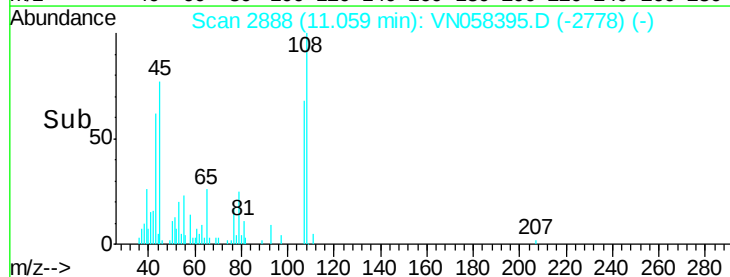
4000

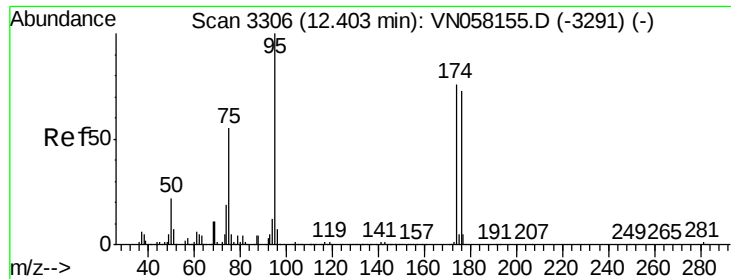
2000

0

11.00 11.05 11.10

Time-->





#62

4-Bromofluorobenzene

Concen: 31.228 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :
30334

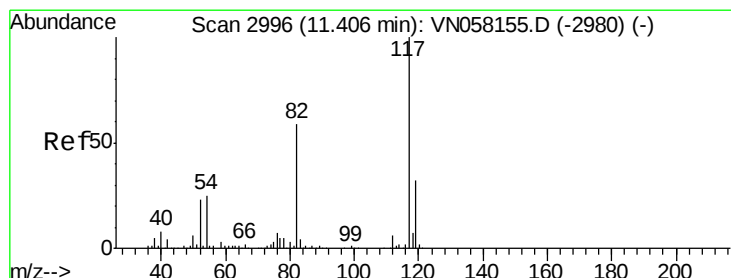
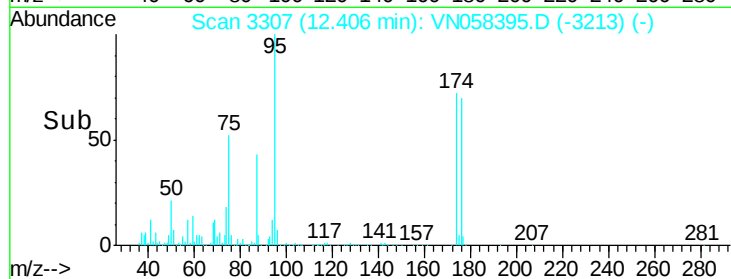
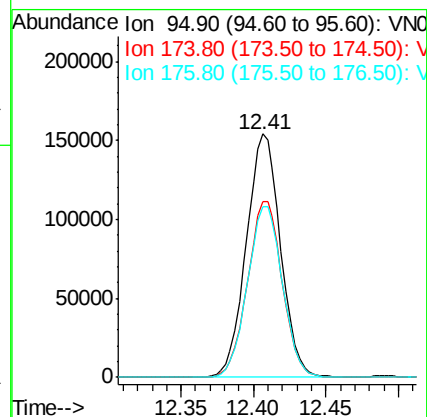
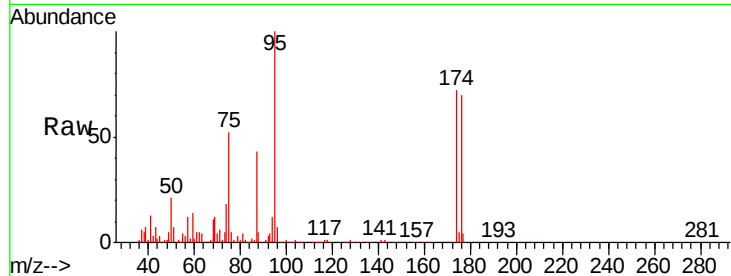
Tgt Ion: 95 Resp: 251229

Ion Ratio Lower Upper

95 100

174 73.8 0.0 152.2

176 72.4 0.0 148.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2997

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

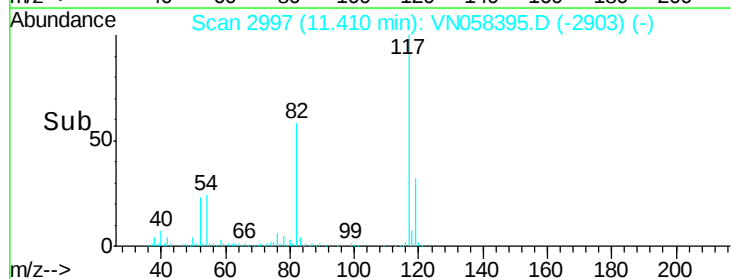
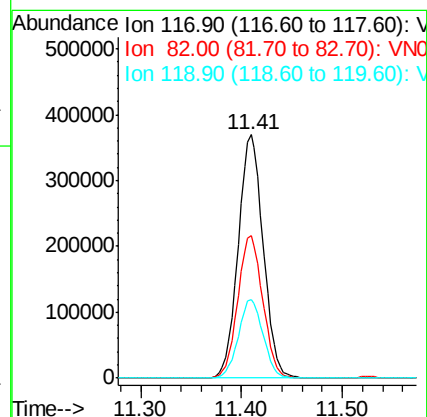
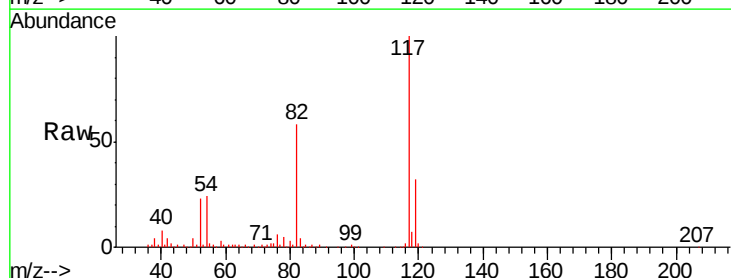
Tgt Ion: 117 Resp: 635958

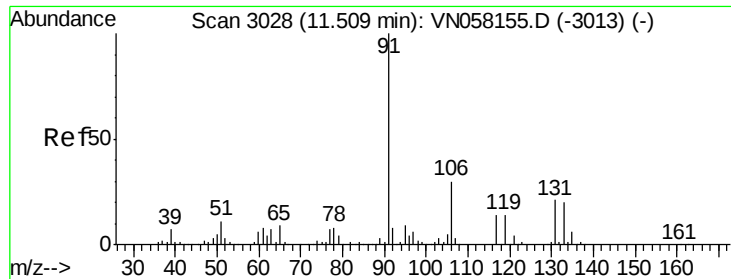
Ion Ratio Lower Upper

117 100

82 58.3 46.9 70.3

119 32.4 25.3 37.9

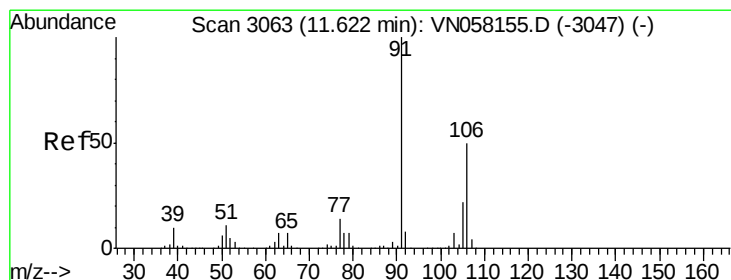
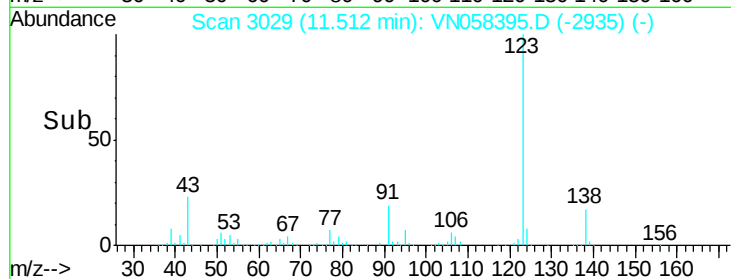
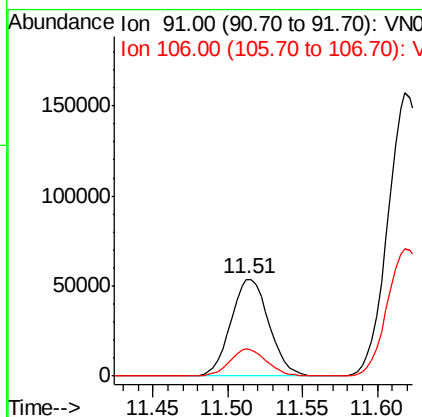
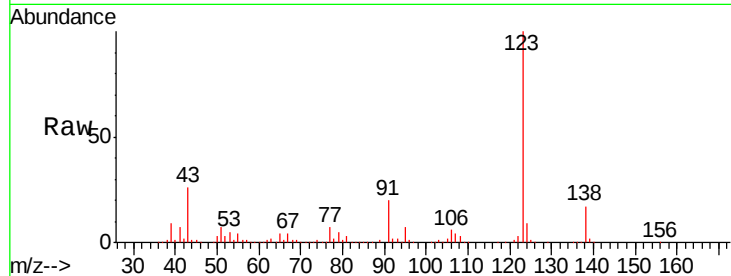




#67
Ethyl Benzene
Concen: 5.003 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

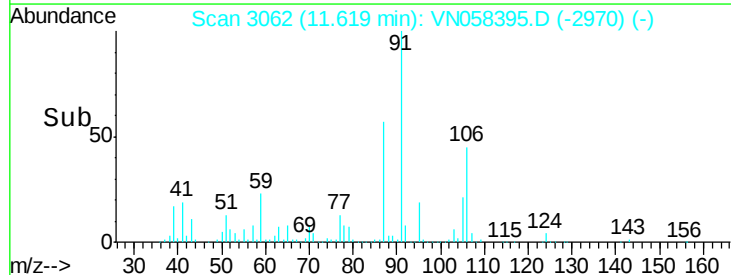
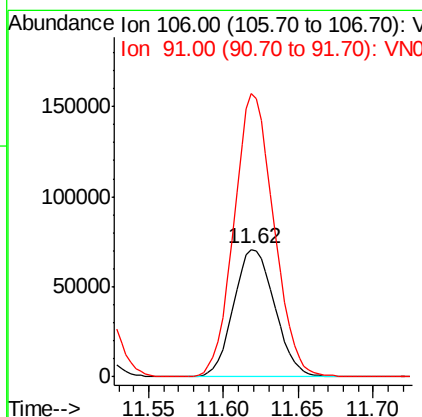
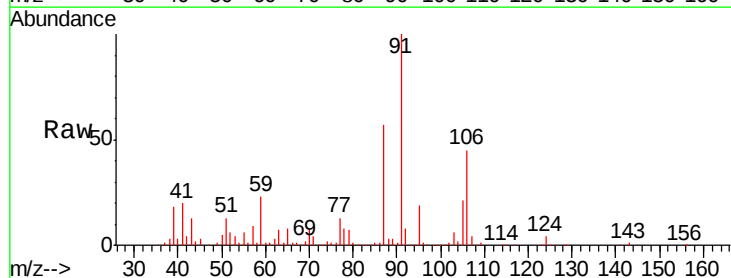
Instrument :
MSVOA_N
ClientSampled :
30334

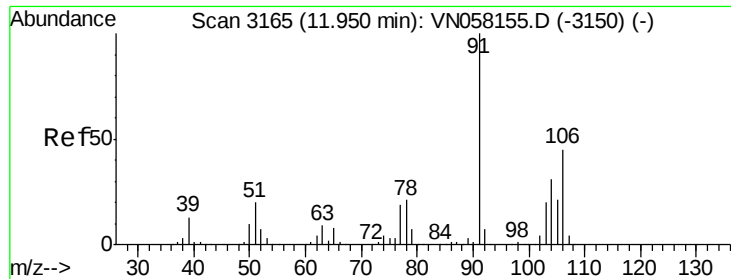
Tgt Ion: 91 Resp: 95889
Ion Ratio Lower Upper
91 100
106 28.1 24.0 36.0



#68
m/p-Xylenes
Concen: 18.787 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 106 Resp: 135621
Ion Ratio Lower Upper
106 100
91 214.2 163.6 245.4

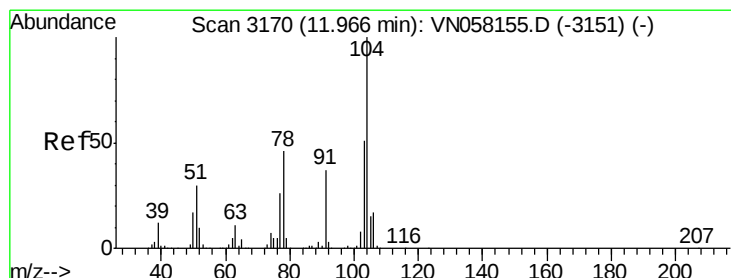
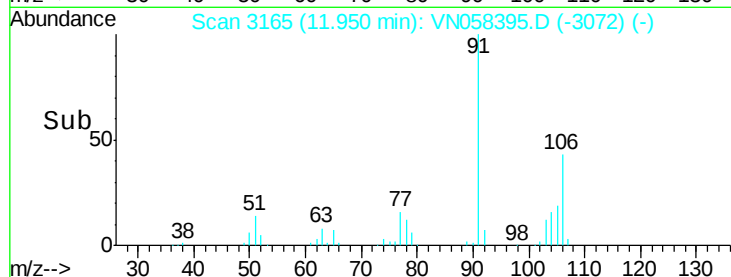
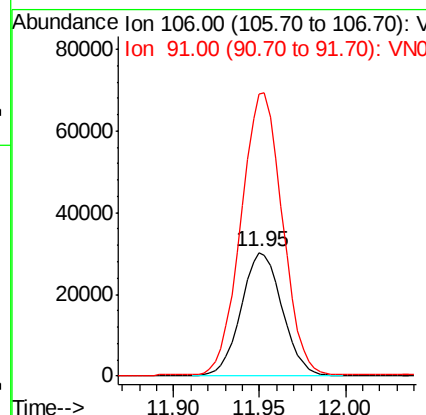
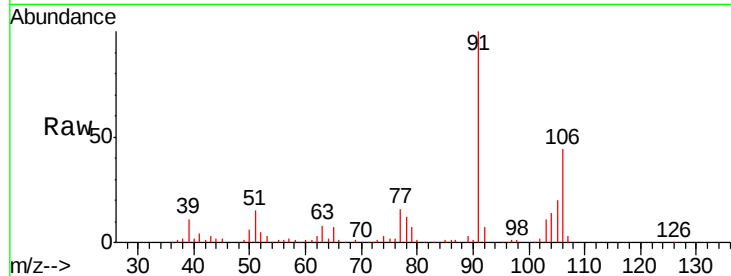




#69
o-Xylene
Concen: 7.098 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

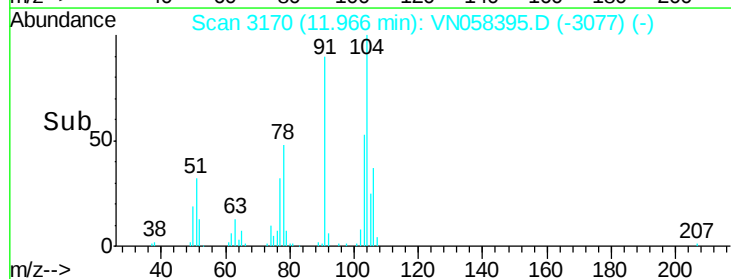
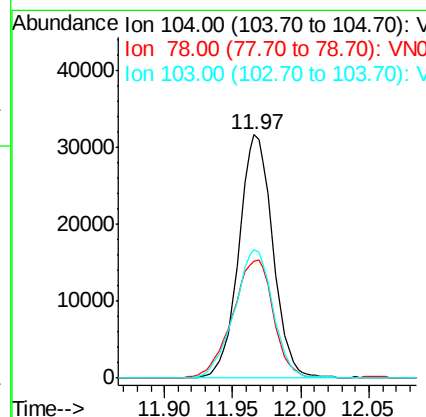
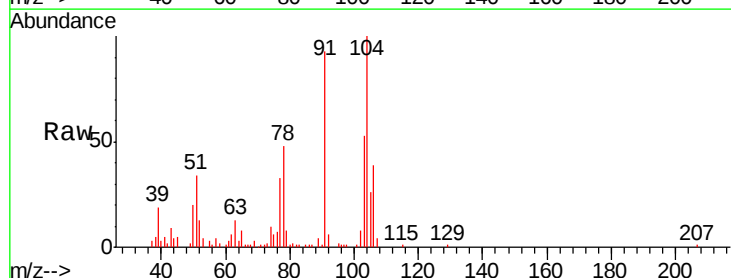
Instrument :
MSVOA_N
ClientSampled :
30334

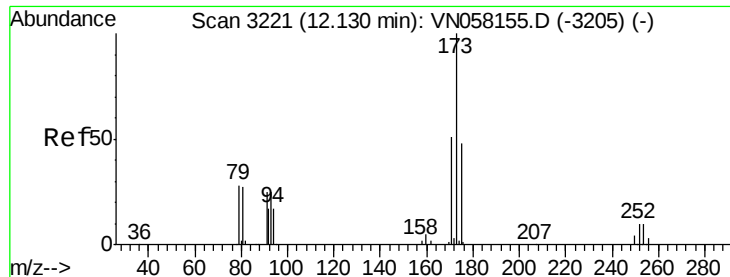
Tgt Ion:106 Resp: 50387
Ion Ratio Lower Upper
106 100
91 230.7 111.8 335.3



#70
Styrene
Concen: 4.475 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion:104 Resp: 54736
Ion Ratio Lower Upper
104 100
78 58.7 41.8 62.8
103 59.5 44.2 66.2





#71

Bromoform

Concen: 3.797 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

30334

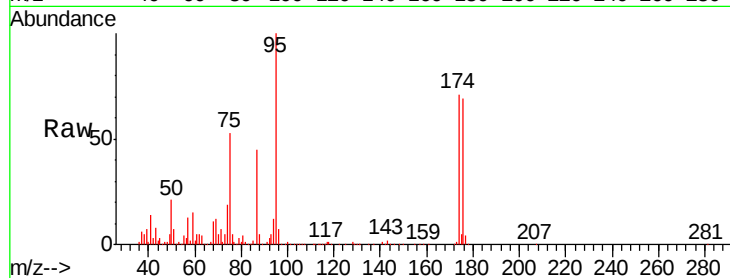
Tgt Ion:173 Resp: 653

Ion Ratio Lower Upper

173 100

175 1730.8 24.2 72.6#

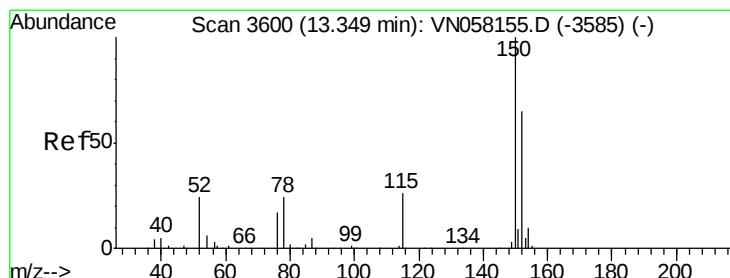
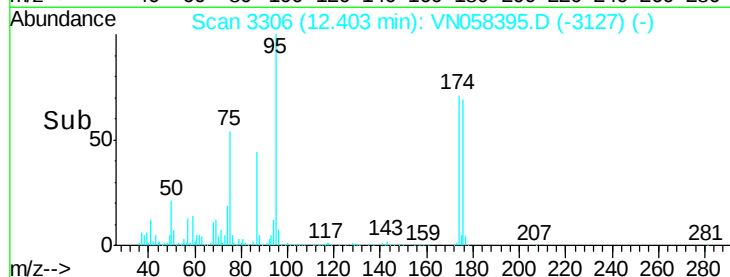
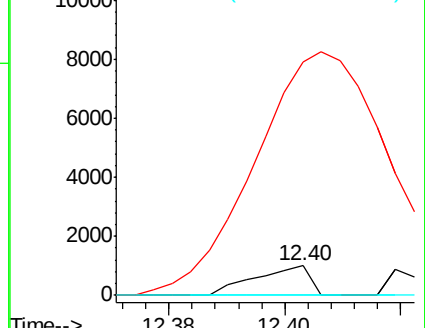
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

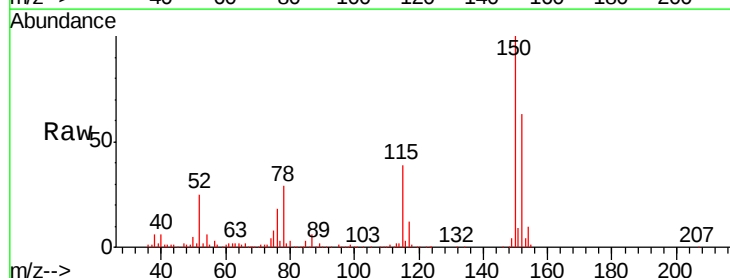
Tgt Ion:152 Resp: 186791

Ion Ratio Lower Upper

152 100

115 61.5 30.1 90.3

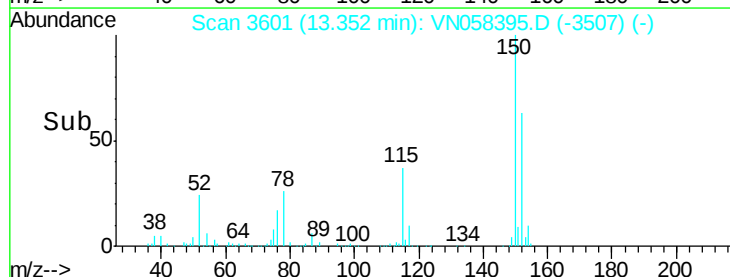
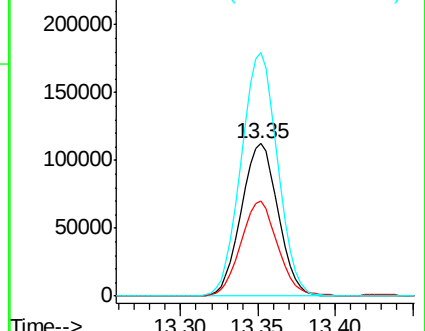
150 158.2 0.0 346.4

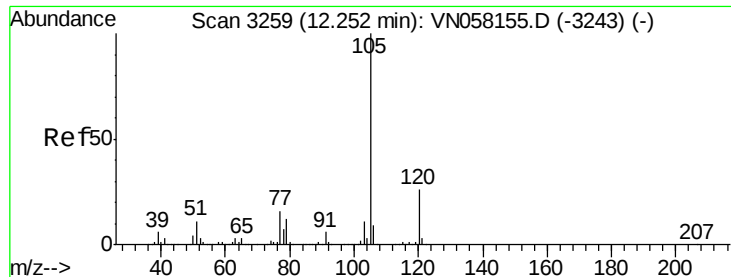


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.707 ug/l

RT: 12.26 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

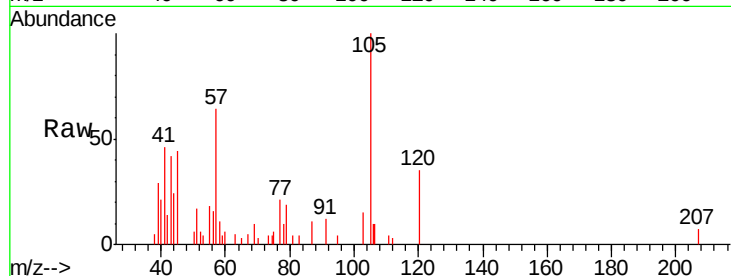
30334

Tgt Ion: 105 Resp: 8263

Ion Ratio Lower Upper

105 100

120 28.2 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.26

4000

3000

2000

1000

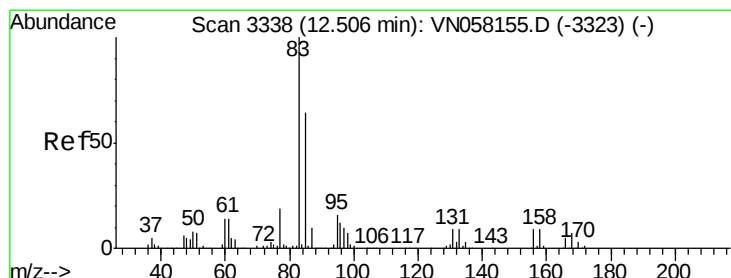
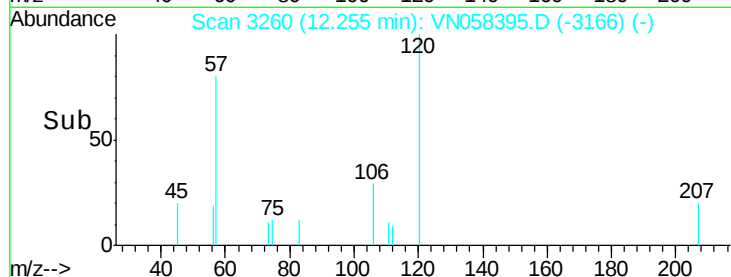
0

Time-->

12.20

12.25

12.30



#75

1,1,2,2-Tetrachloroethane

Concen: 0.250 ug/l

RT: 12.46 min Scan# 3323

Delta R.T. -0.05 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

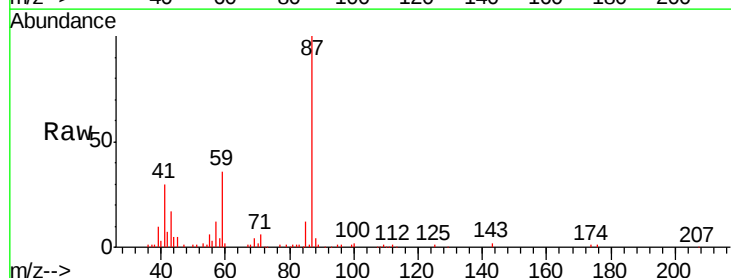
Tgt Ion: 83 Resp: 978

Ion Ratio Lower Upper

83 100

131 0.0 4.8 14.3#

85 1010.5 31.9 95.5#



Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

6000

4000

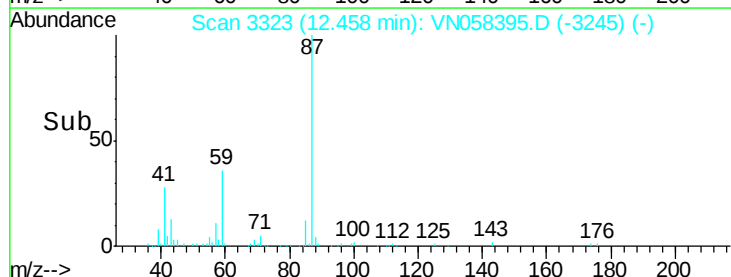
2000

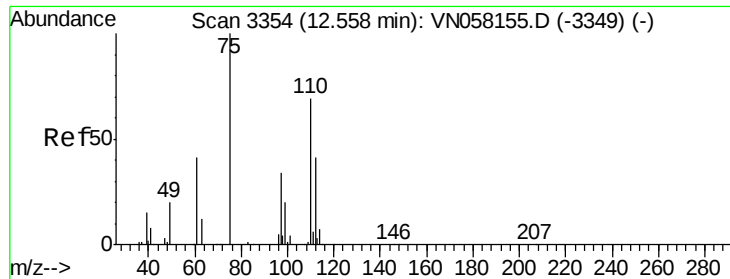
0

Time-->

12.45

12.50





#76

1,2,3-Trichloropropane

Concen: 39.767 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

ClientSampled :

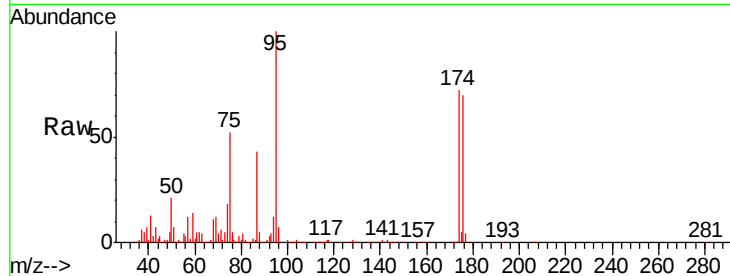
30334

Tgt Ion: 75 Resp: 132940

Ion Ratio Lower Upper

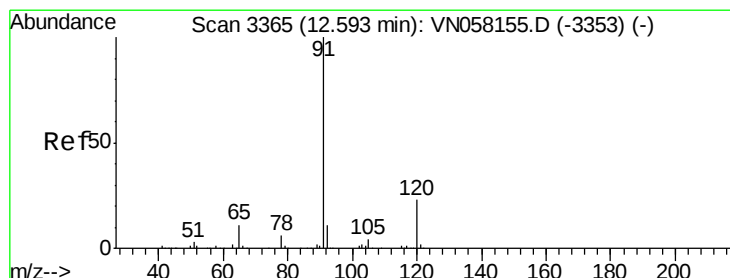
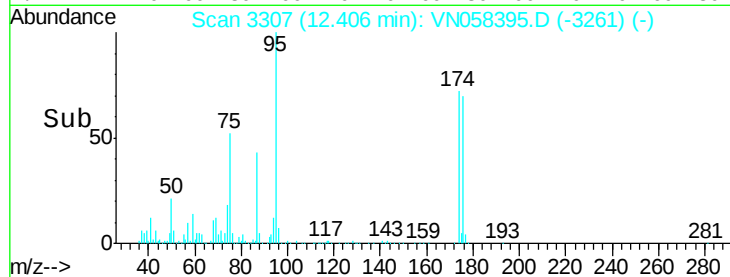
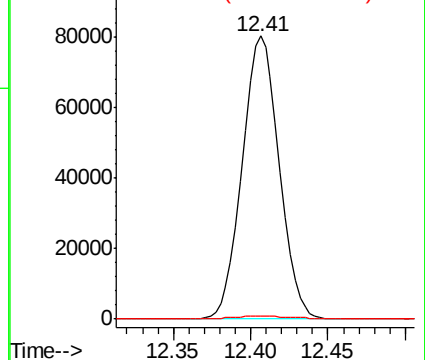
75 100

77 1.6 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: 1.976 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058395.D

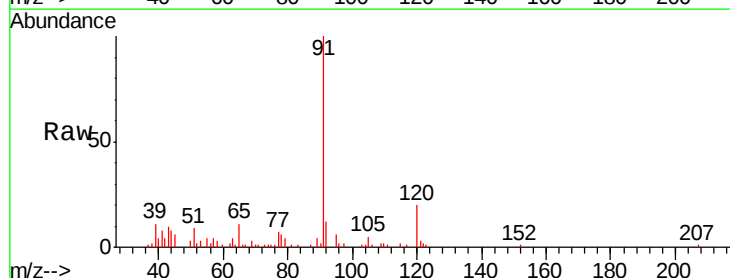
Acq: 26 Sep 2019 19:02

Tgt Ion: 91 Resp: 26256

Ion Ratio Lower Upper

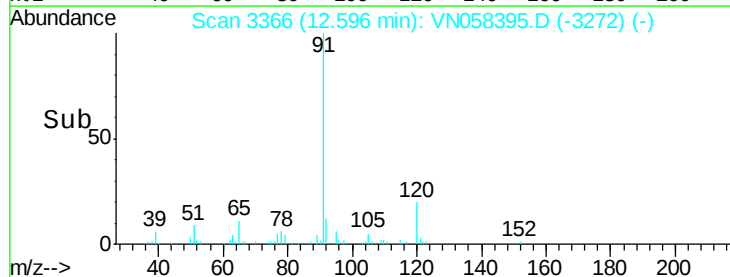
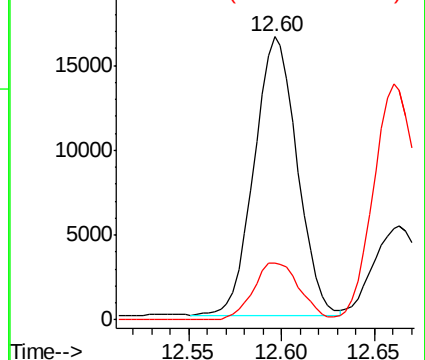
91 100

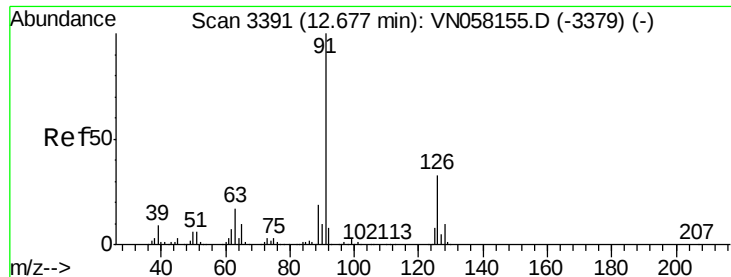
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.046 ug/l

RT: 12.66 min Scan# 3387

Delta R.T. -0.01 min

Lab File: VN058395.D

Acq: 26 Sep 2019 19:02

Instrument :

MSVOA_N

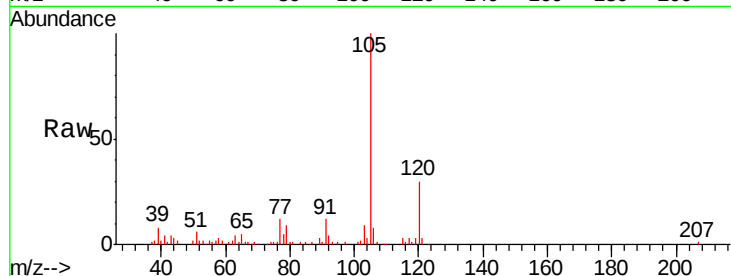
ClientSampled :
30334

Tgt Ion: 91 Resp: 8688

Ion Ratio Lower Upper

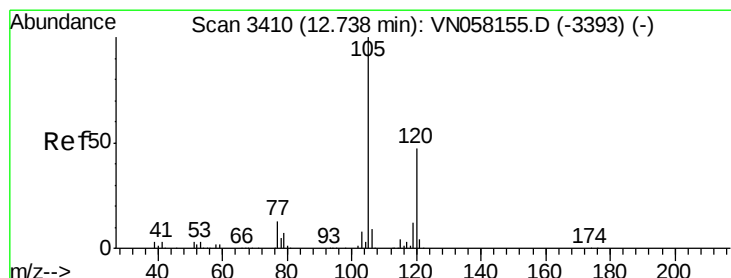
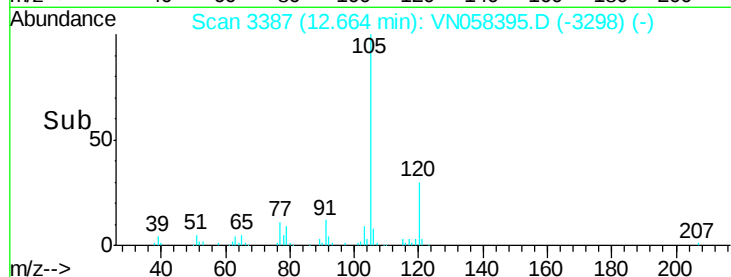
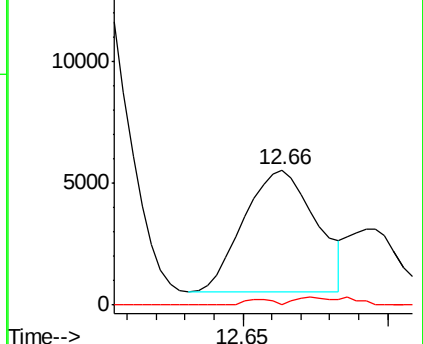
91 100

126 1.8 16.4 49.1#



Abundance Ion 91.00 (90.70 to 91.70): VN058155.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN058155.D (-3379) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.004 ug/l

RT: 12.74 min Scan# 3411

Delta R.T. 0.00 min

Lab File: VN058395.D

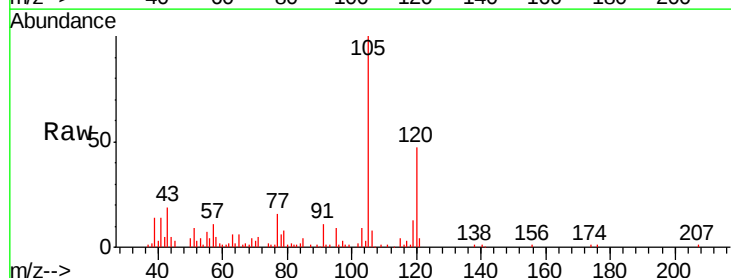
Acq: 26 Sep 2019 19:02

Tgt Ion: 105 Resp: 49476

Ion Ratio Lower Upper

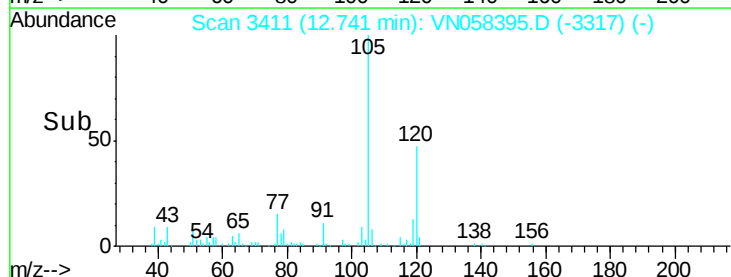
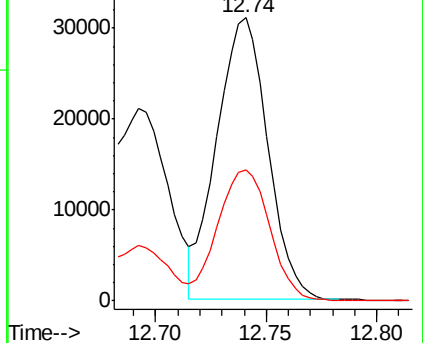
105 100

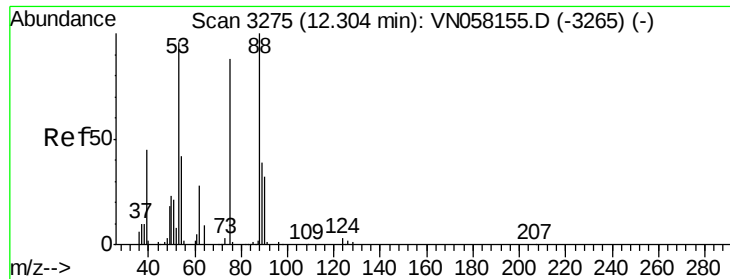
120 47.9 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN058155.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN058155.D (-3393) (-)

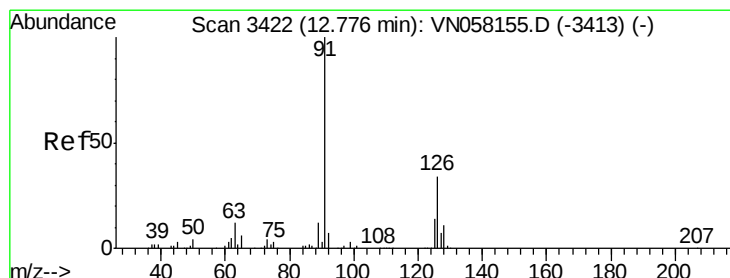
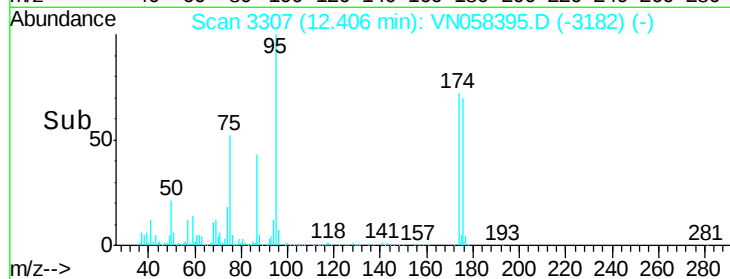
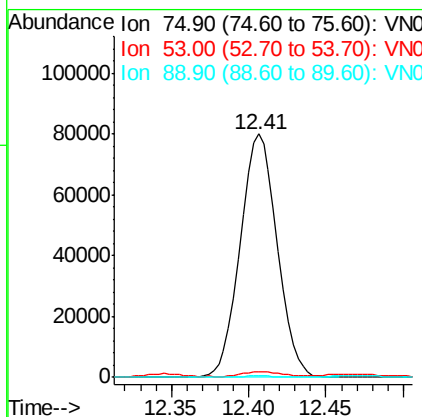
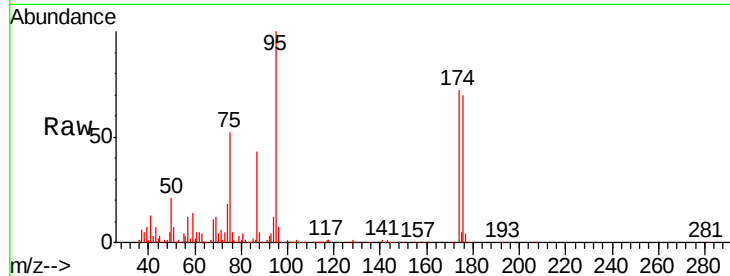




#81
trans-1,4-Dichloro-2-butene
Concen: 110.455 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.10 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

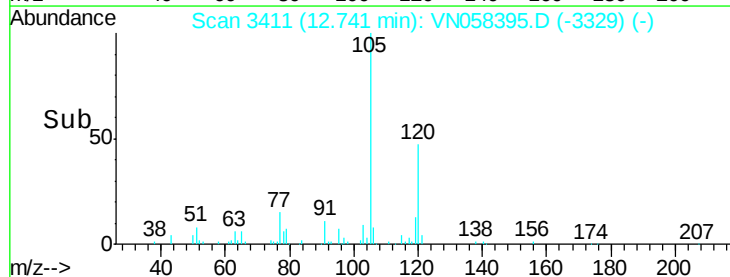
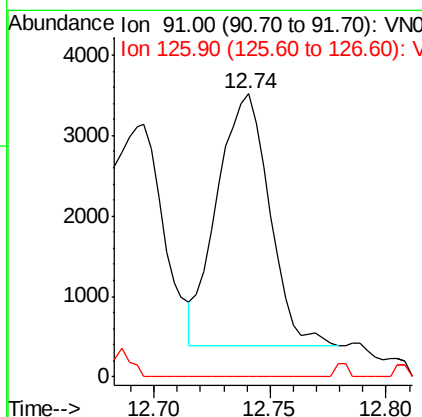
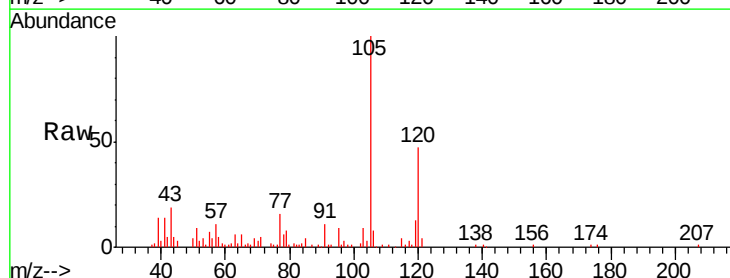
Instrument :
MSVOA_N
ClientSampleId :
30334

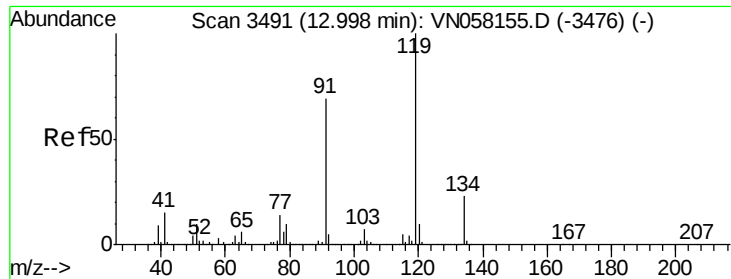
Tgt Ion: 75 Resp: 132940
Ion Ratio Lower Upper
75 100
53 2.0 90.1 135.1#
89 0.4 36.2 54.2#



#82
4-Chlorotoluene
Concen: 0.563 ug/l
RT: 12.74 min Scan# 3411
Delta R.T. -0.04 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 91 Resp: 4913
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#

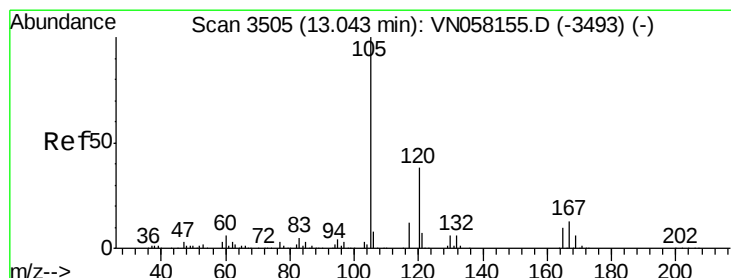
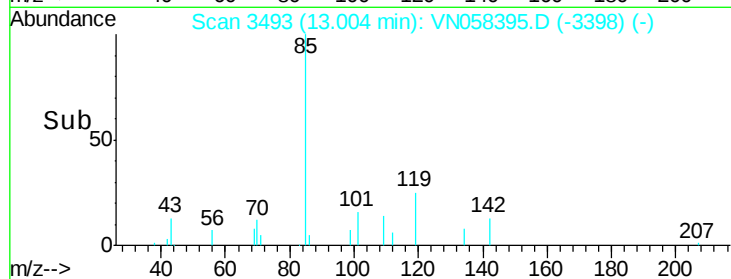
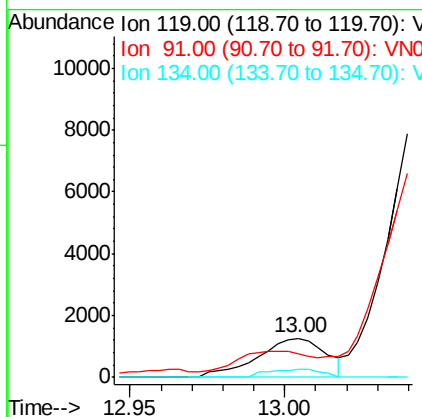
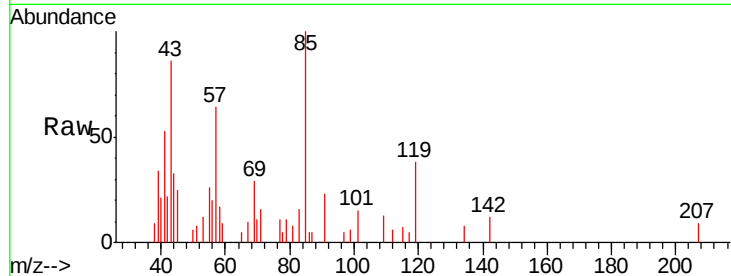




#83
 tert-Butylbenzene
 Concen: 0.220 ug/l
 RT: 13.00 min Scan# 3493
 Delta R.T. 0.01 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

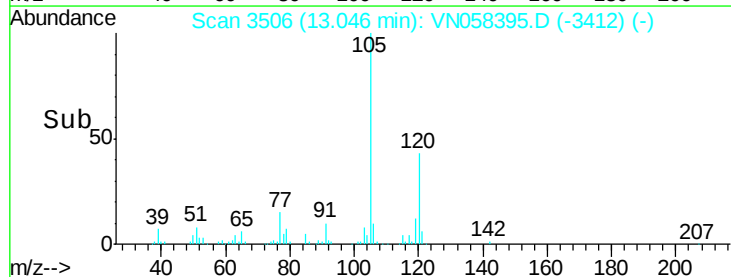
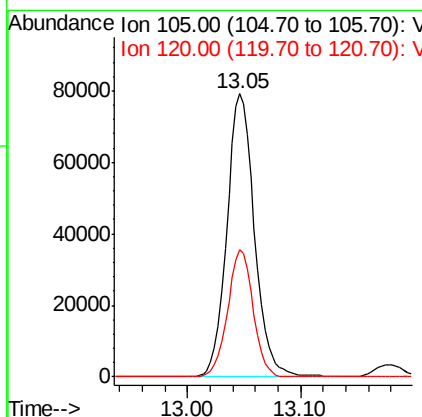
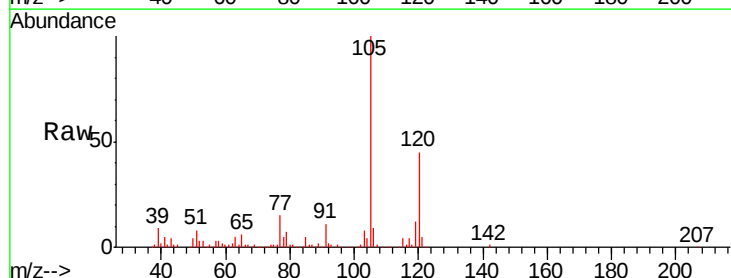
Instrument :
 MSVOA_N
 ClientSampled :
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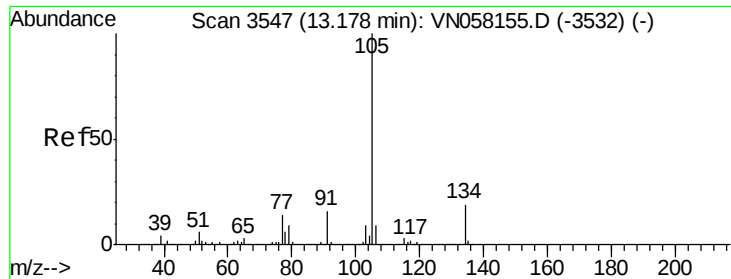
Tgt Ion:119 Resp: 1940
 Ion Ratio Lower Upper
 119 100
 91 53.4 33.8 101.3
 134 16.4 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 13.620 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Tgt Ion:105 Resp: 134008
 Ion Ratio Lower Upper
 105 100
 120 41.4 22.1 66.5

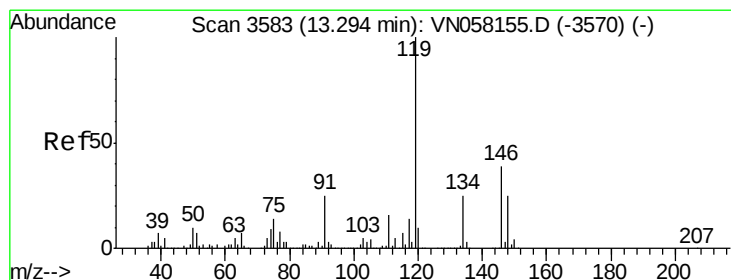
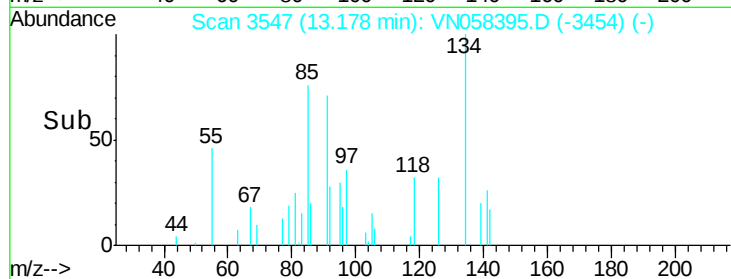
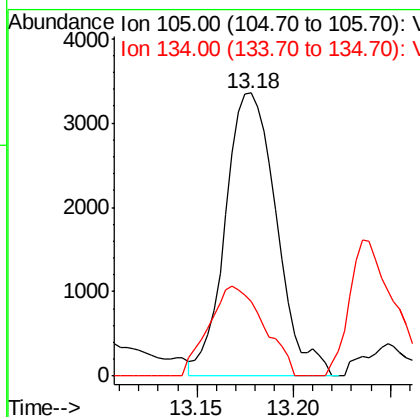
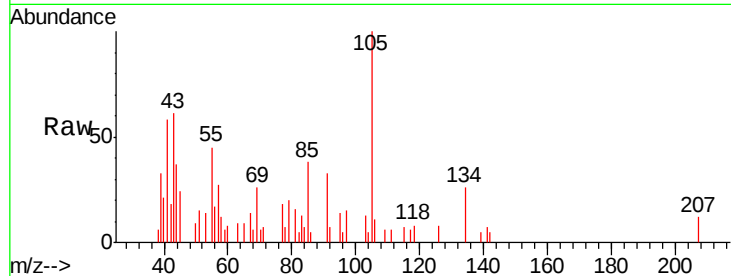




#85
 sec-Butylbenzene
 Concen: 0.535 ug/l
 RT: 13.18 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

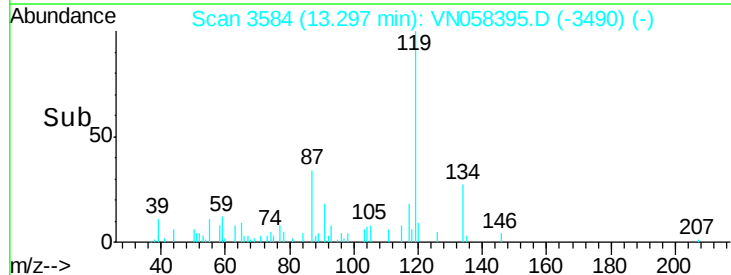
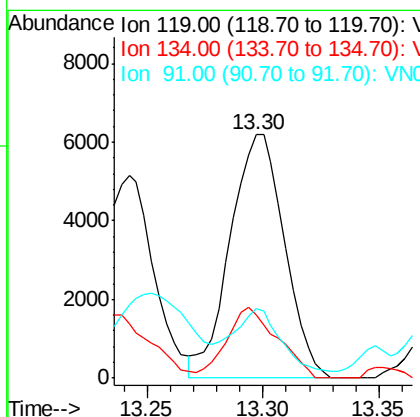
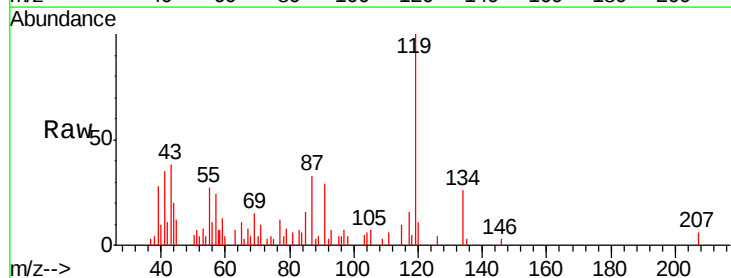
Instrument :
 MSVOA_N
 ClientSampled :
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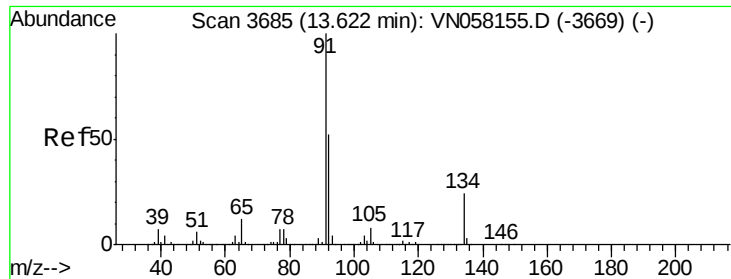
Tgt Ion:105 Resp: 6174
 Ion Ratio Lower Upper
 105 100
 134 34.1 9.5 28.5#



#86
 p-Isopropyltoluene
 Concen: 0.981 ug/l
 RT: 13.30 min Scan# 3584
 Delta R.T. 0.00 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Tgt Ion:119 Resp: 10051
 Ion Ratio Lower Upper
 119 100
 134 27.1 12.7 38.0
 91 20.8 12.3 36.8

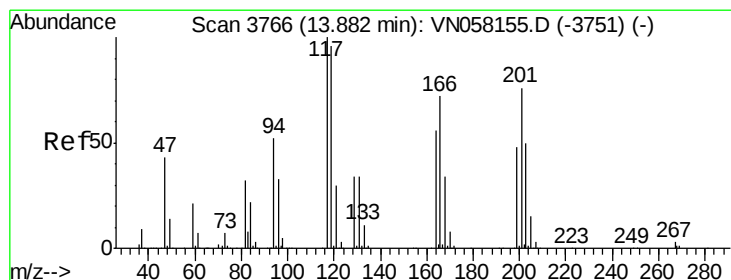
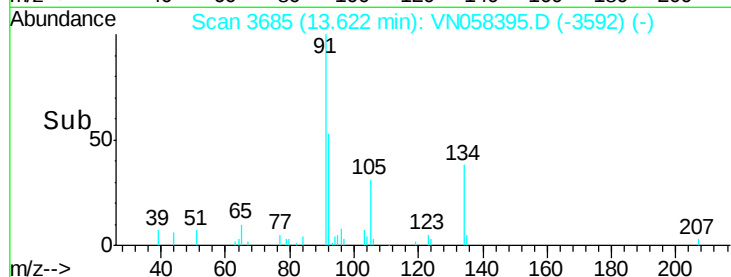
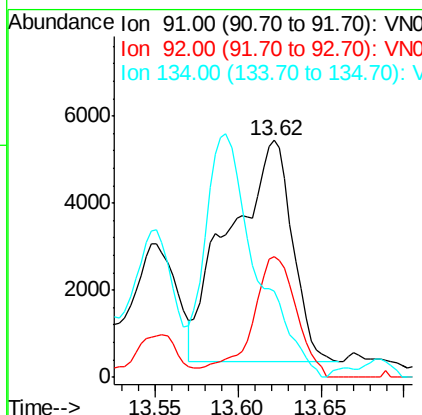
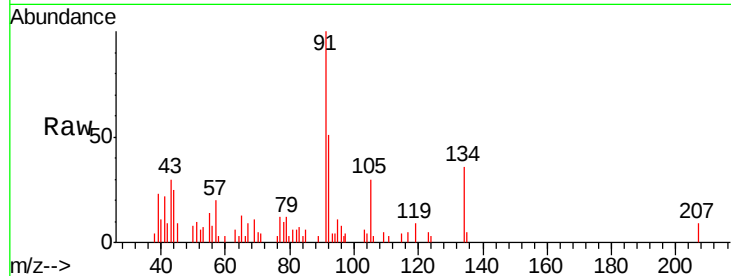




#89
n-Butylbenzene
Concen: 1.371 ug/l
RT: 13.62 min Scan# 3685
Delta R.T. -0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

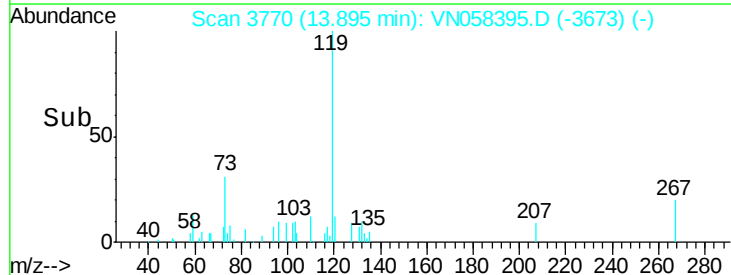
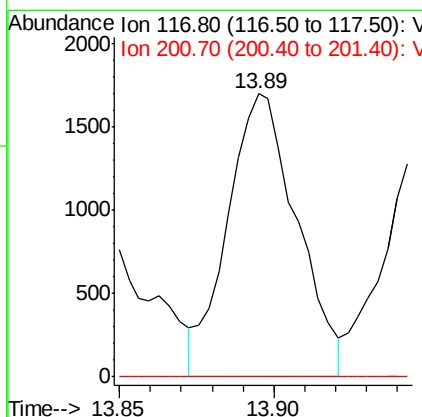
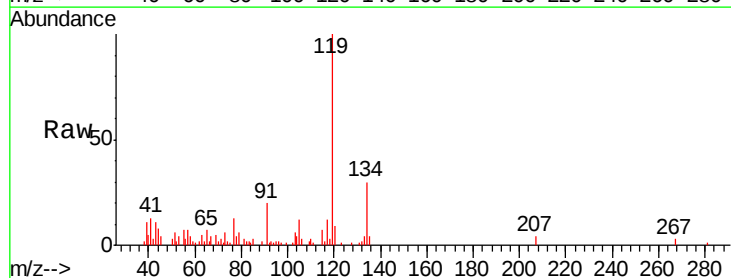
Instrument :
MSVOA_N
ClientSampled :
30334

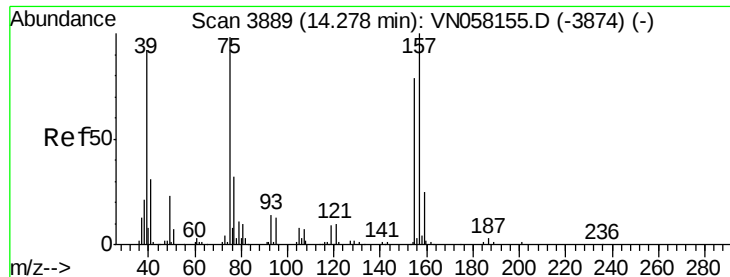
Tgt Ion: 91 Resp: 13324
Ion Ratio Lower Upper
91 100
92 39.0 25.7 77.0
134 0.0 11.8 35.4#



#90
Hexachloroethane
Concen: 4.209 ug/l
RT: 13.89 min Scan# 3770
Delta R.T. 0.01 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion: 117 Resp: 2641
Ion Ratio Lower Upper
117 100
201 0.0 37.5 112.5#

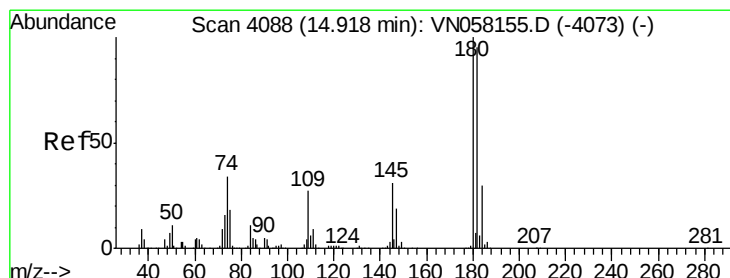
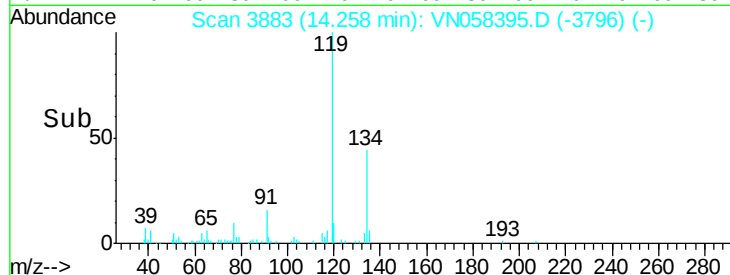
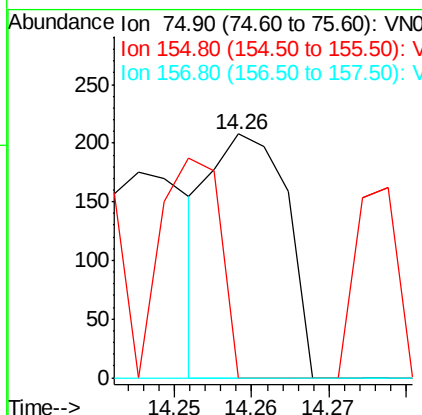
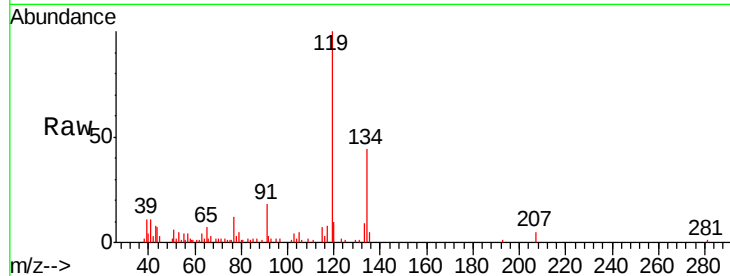




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.203 ug/l
 RT: 14.26 min Scan# 3883
 Delta R.T. -0.02 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

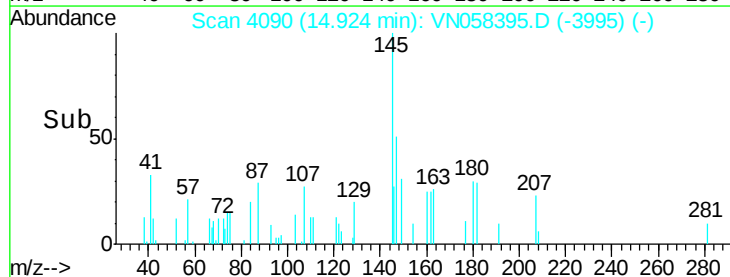
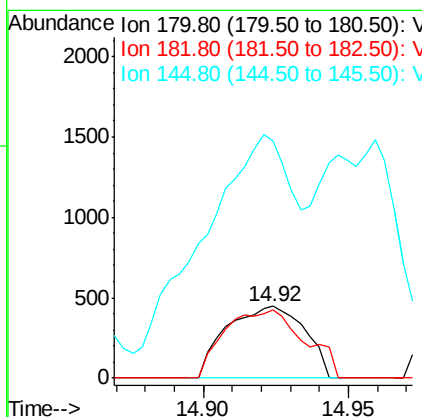
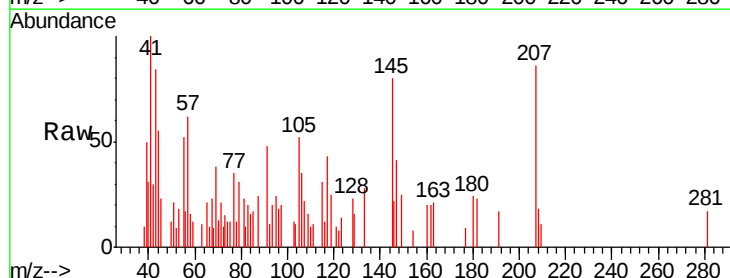
Instrument :
 MSVOA_N
 ClientSampled :
 30334

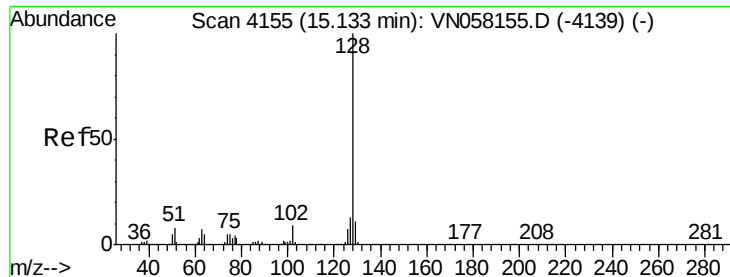
Tgt Ion: 75 Resp: 143
 Ion Ratio Lower Upper
 75 100
 155 69.2 38.3 114.8
 157 0.0 48.0 144.0#



#93
 1,2,4-Trichlorobenzene
 Concen: 0.243 ug/l
 RT: 14.92 min Scan# 4090
 Delta R.T. 0.01 min
 Lab File: VN058395.D
 Acq: 26 Sep 2019 19:02

Tgt Ion: 180 Resp: 837
 Ion Ratio Lower Upper
 180 100
 182 96.5 47.8 143.3
 145 340.7 15.4 46.4#

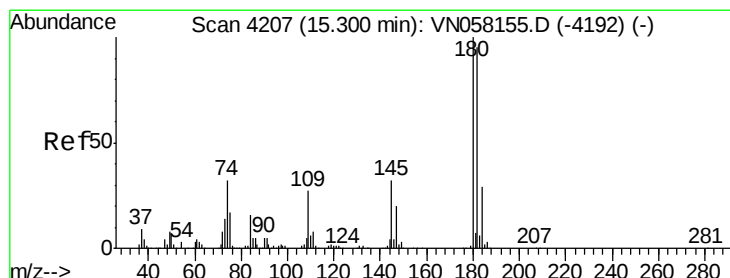
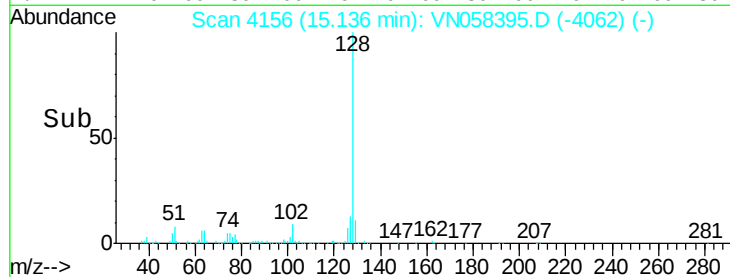
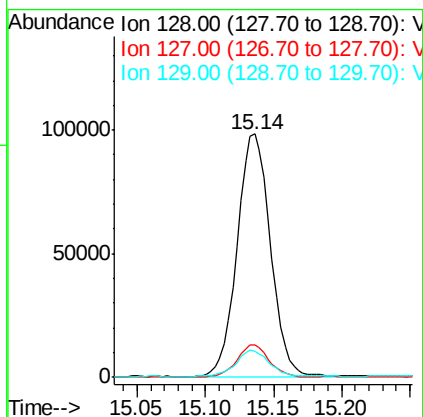
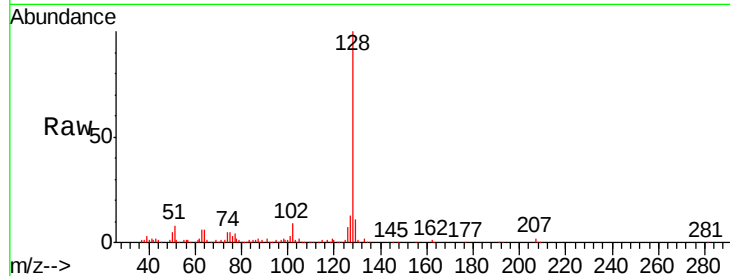




#95
Naphthalene
Concen: 18.657 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Instrument :
MSVOA_N
ClientSampled :
30334

Tgt Ion:128 Resp: 166462
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.2
129 11.5 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 0.468 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058395.D
Acq: 26 Sep 2019 19:02

Tgt Ion:180 Resp: 1523
Ion Ratio Lower Upper
180 100
182 53.6 47.4 142.2
145 221.9 16.1 48.2#

