

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111419\
 Data File : VN059230.D
 Acq On : 14 Nov 2019 13:53
 Operator : JC/SP
 Sample : VN1114MBSD01
 Misc : 5.00µ/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Quant Time: Nov 15 06:30:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	436007	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	690472	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	639839	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	304660	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	266520	49.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.46%	
35) Dibromofluoromethane	7.57	113	217130	52.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.34%	
50) Toluene-d8	10.08	98	823822	50.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.46%	
62) 4-Bromofluorobenzene	12.40	95	312338	53.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.68%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.83	85	78247	17.812	ug/l 98
3) Chloromethane	2.04	50	102769	17.210	ug/l 99
4) Vinyl Chloride	2.17	62	107183	18.513	ug/l 98
5) Bromomethane	2.54	94	62344	18.713	ug/l 98
6) Chloroethane	2.68	64	63565	18.560	ug/l 99
7) Trichlorofluoromethane	3.00	101	135796	19.610	ug/l 98
8) Diethyl Ether	3.39	74	59143	21.019	ug/l 99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	84756	20.299	ug/l 99
10) Methyl Iodide	3.93	142	104987	20.314	ug/l 97
11) Tert butyl alcohol	4.76	59	125466	122.833	ug/l 100
12) 1,1-Dichloroethene	3.71	96	82605	20.310	ug/l 99
13) Acrolein	3.59	56	37151	70.545	ug/l 98
14) Allyl chloride	4.30	41	162950	19.504	ug/l 96
15) Acrylonitrile	4.96	53	295528	116.258	ug/l 98
16) Acetone	3.80	43	239577	85.959	ug/l 96
17) Carbon Disulfide	4.03	76	216648	17.159	ug/l 99
18) Methyl Acetate	4.30	43	156426	23.645	ug/l 100
19) Methyl tert-butyl Ether	5.02	73	304239	21.727	ug/l 98
20) Methylene Chloride	4.53	84	98667	20.320	ug/l 98
21) trans-1,2-Dichloroethene	5.01	96	88132	20.187	ug/l 95
22) Diisopropyl ether	5.92	45	331986	21.037	ug/l 93
23) Vinyl Acetate	5.87	43	1375910	112.499	ug/l 100
24) 1,1-Dichloroethane	5.82	63	180430	20.471	ug/l 98
25) 2-Butanone	6.81	43	397374	108.180	ug/l 98
26) 2,2-Dichloropropane	6.80	77	144603	18.762	ug/l 98
27) cis-1,2-Dichloroethene	6.81	96	105413	20.812	ug/l 96
28) Bromochloromethane	7.17	49	52090	19.644	ug/l 98
29) Tetrahydrofuran	7.19	42	267852	114.761	ug/l 97
30) Chloroform	7.35	83	179023	21.174	ug/l 97
31) Cyclohexane	7.63	56	160028	19.179	ug/l 97
32) 1,1,1-Trichloroethane	7.55	97	150428	21.162	ug/l 99
36) 1,1-Dichloropropene	7.77	75	131300	20.344	ug/l 99
37) Ethyl Acetate	6.91	43	162152	22.585	ug/l 99
38) Carbon Tetrachloride	7.75	117	128494	20.003	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	151211	20.188	ug/l	99
40) Benzene	8.02	78	396902	20.422	ug/l	98
41) Methacrylonitrile	7.19	41	229167	73.402	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	137020	20.556	ug/l	98
43) Isopropyl Acetate	8.15	43	245418	21.441	ug/l	99
44) Trichloroethene	8.82	130	98512	20.620	ug/l	99
45) 1,2-Dichloropropane	9.10	63	111362	21.096	ug/l	97
46) Dibromomethane	9.19	93	68028	20.680	ug/l	98
47) Bromodichloromethane	9.39	83	139801	21.283	ug/l	99
48) Methyl methacrylate	9.19	41	110865	21.654	ug/l	97
49) 1,4-Dioxane	9.19	88	43898	482.456	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	818605	126.393	ug/l	100
52) Toluene	10.15	92	246508	21.162	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	160203	21.110	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	171861	21.053	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	100295	21.274	ug/l	99
56) Ethyl methacrylate	10.42	69	168062	22.446	ug/l	96
57) 1,3-Dichloropropane	10.70	76	177606	21.889	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	314311	119.799	ug/l	100
59) 2-Hexanone	10.74	43	619470	124.614	ug/l	99
60) Dibromochloromethane	10.90	129	104991	21.064	ug/l	99
61) 1,2-Dibromoethane	11.00	107	103169	21.618	ug/l	100
64) Tetrachloroethene	10.62	164	87323	20.071	ug/l	96
65) Chlorobenzene	11.43	112	264345	21.193	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	99611	21.289	ug/l	97
67) Ethyl Benzene	11.51	91	488480	22.073	ug/l	99
68) m/p-Xylenes	11.62	106	359684	43.390	ug/l	98
69) o-Xylene	11.95	106	176713	22.059	ug/l	98
70) Styrene	11.96	104	292517	23.217	ug/l	99
71) Bromoform	12.13	173	81074	22.277	ug/l #	98
73) Isopropylbenzene	12.25	105	471267	21.266	ug/l	100
74) N-amyl acetate	12.07	43	214726	22.866	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	162694	21.558	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	219857	31.698	ug/l #	100
77) Bromobenzene	12.53	156	136201	24.462	ug/l	80
78) n-propylbenzene	12.59	91	552474	21.773	ug/l	99
79) 2-Chlorotoluene	12.67	91	331619	21.067	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	404835	21.559	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	54668	20.818	ug/l	99
82) 4-Chlorotoluene	12.77	91	329447	20.867	ug/l	97
83) tert-Butylbenzene	12.99	119	343288	21.169	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	403978	22.236	ug/l	97
85) sec-Butylbenzene	13.17	105	454687	21.559	ug/l	100
86) p-Isopropyltoluene	13.29	119	421945	22.658	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	202559	21.245	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	197739	20.729	ug/l	99
89) n-Butylbenzene	13.62	91	364793	22.382	ug/l	99
90) Hexachloroethane	13.88	117	76313	20.408	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	197744	21.084	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	40159	26.684	ug/l #	55

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	124760	23.635	ug/l	97
94) Hexachlorobutadiene	15.01	225	65385	20.219	ug/l	97
95) Naphthalene	15.13	128	424438	28.292	ug/l	97
96) 1,2,3-Trichlorobenzene	15.30	180	128297	24.409	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

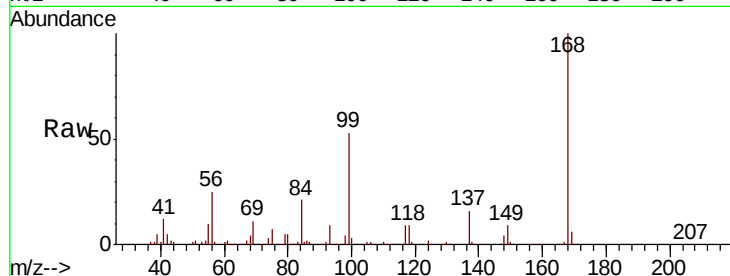
VN1114MBSD01

Tot Ion:168 Resp: 436007

Ion Ratio Lower Upper

168 100

99 52.9 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

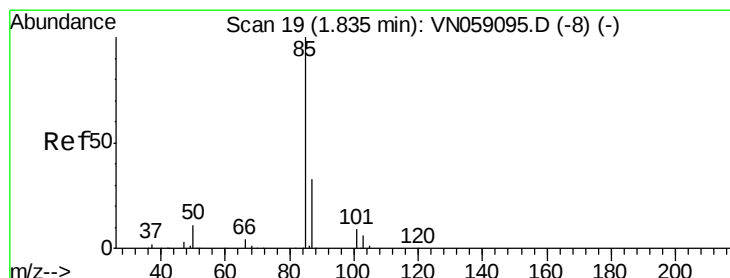
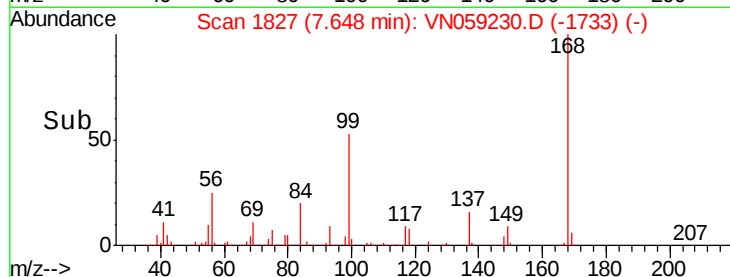
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 17.812 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059230.D

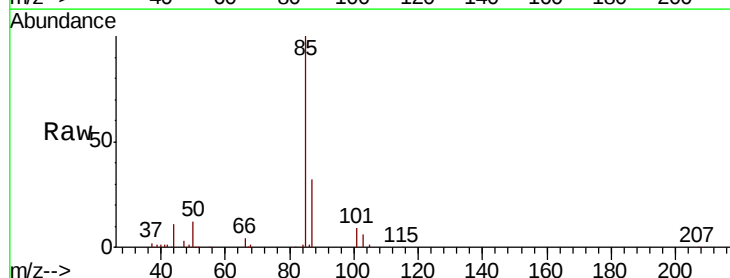
Acq: 14 Nov 2019 13:53

Tgt Ion: 85 Resp: 78247

Ion Ratio Lower Upper

85 100

87 31.6 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

60000

50000

40000

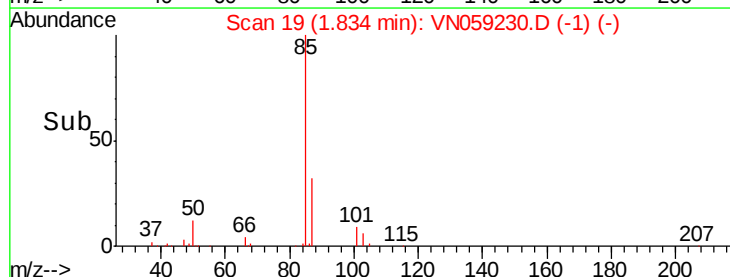
30000

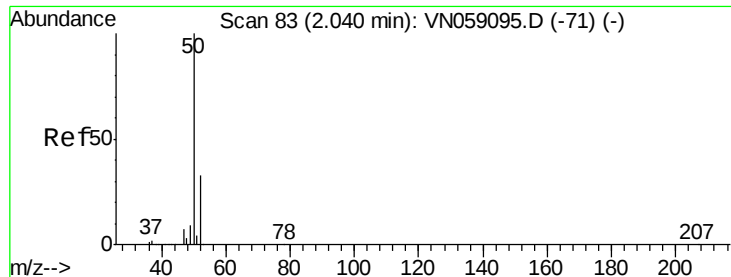
20000

10000

0

Time-->





#3

Chloromethane

Concen: 17.210 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

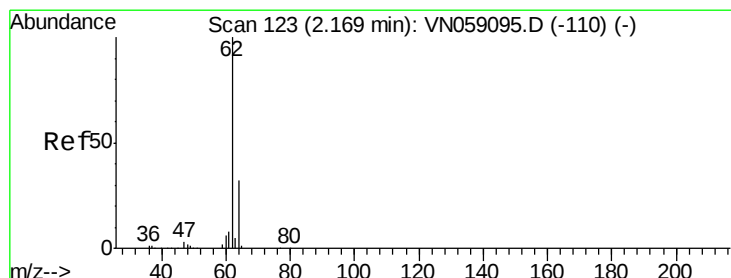
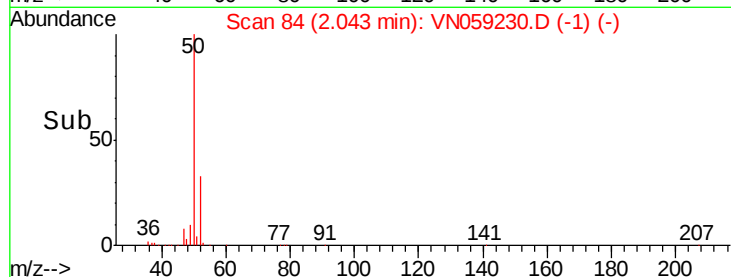
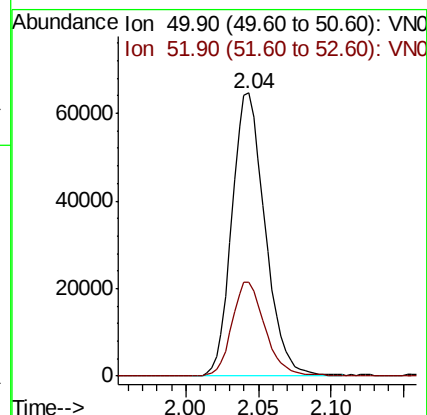
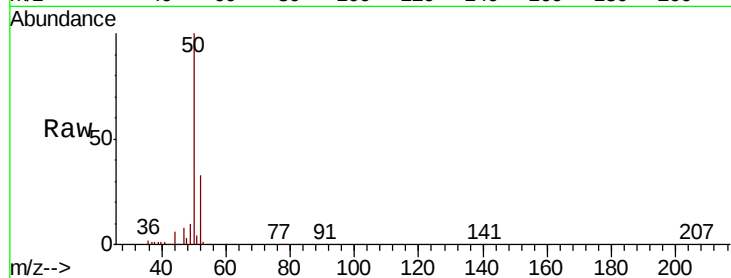
VN1114MBSD01

Tot Ion: 50 Resp: 102769

Ion Ratio Lower Upper

50 100

52 33.2 26.0 39.0



#4

Vinyl Chloride

Concen: 18.513 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059230.D

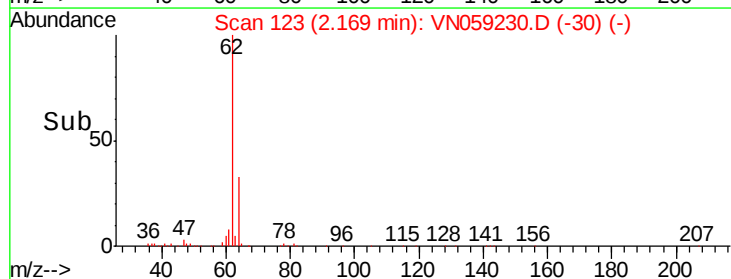
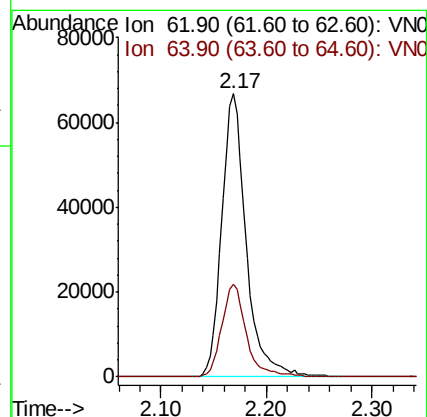
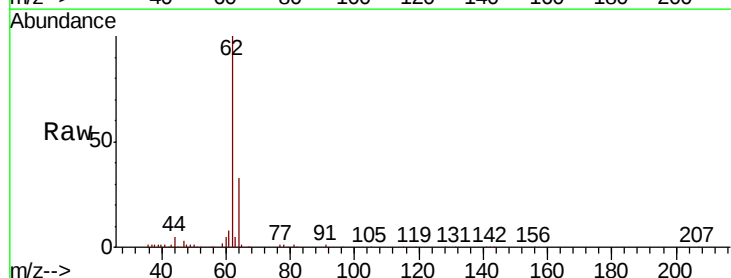
Acq: 14 Nov 2019 13:53

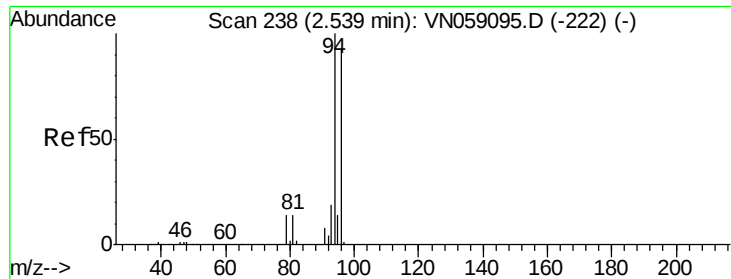
Tgt Ion: 62 Resp: 107183

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.2





#5

Bromomethane

Concen: 18.713 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

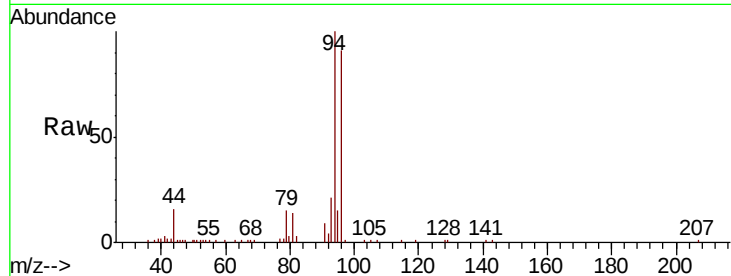
VN1114MBSD01

Tot Ion: 94 Resp: 62344

Ion Ratio Lower Upper

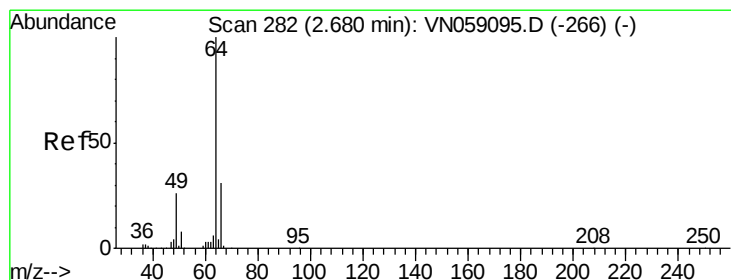
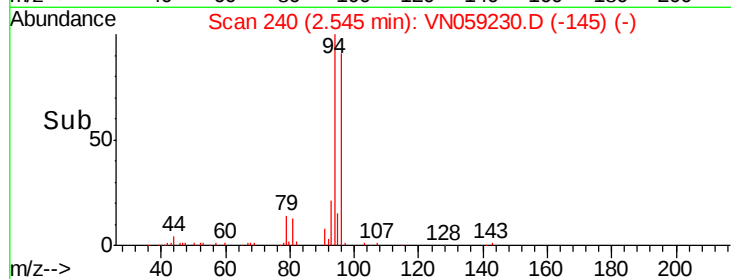
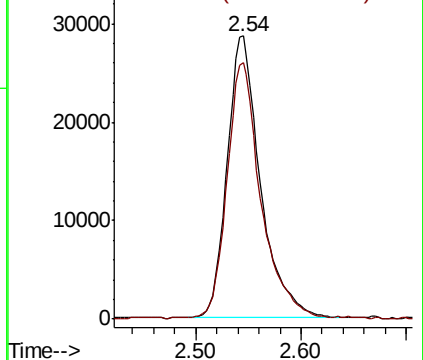
94 100

96 90.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 18.560 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059230.D

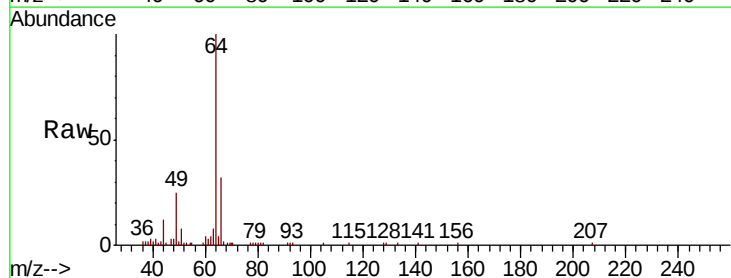
Acq: 14 Nov 2019 13:53

Tgt Ion: 64 Resp: 63565

Ion Ratio Lower Upper

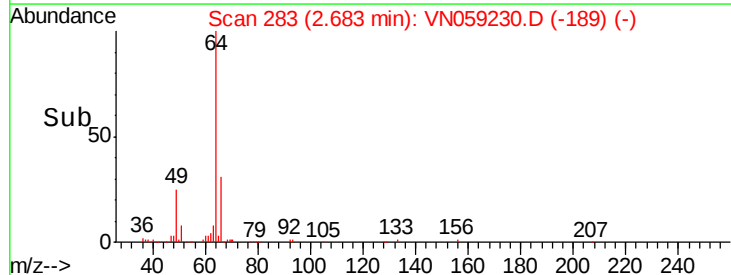
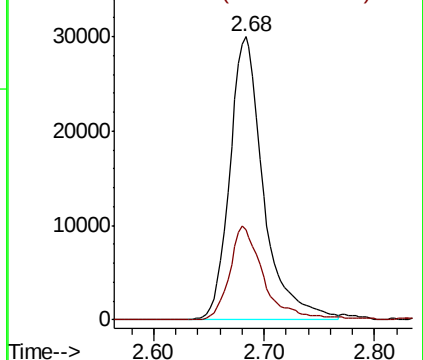
64 100

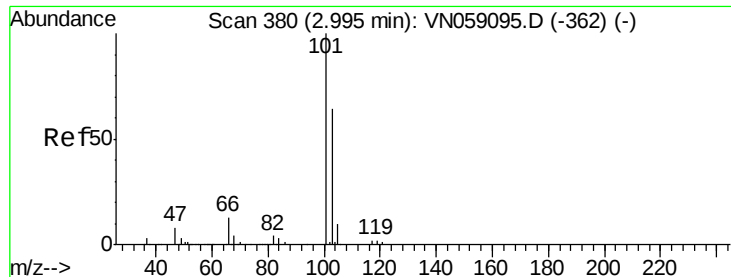
66 31.9 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



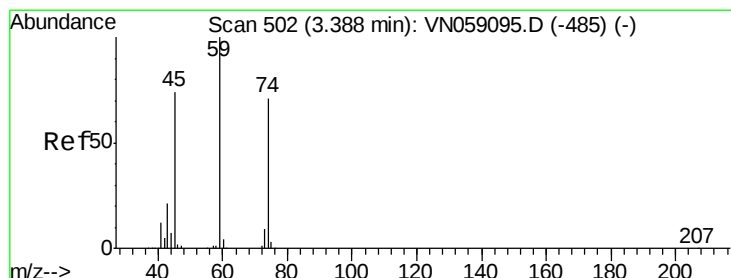
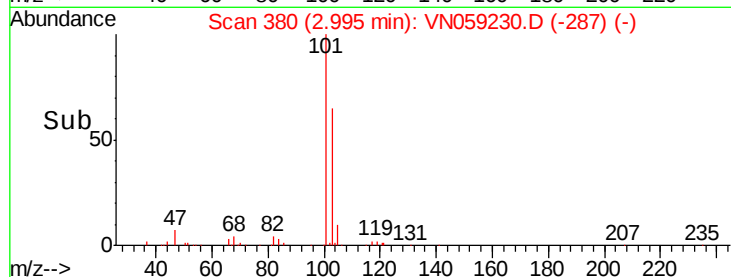
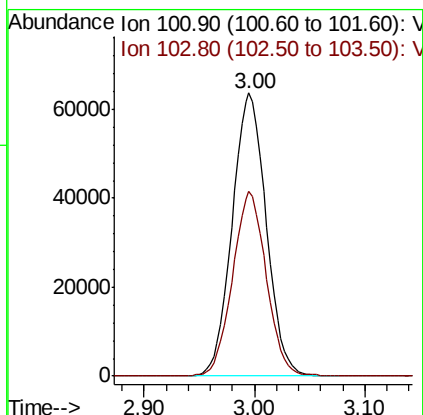
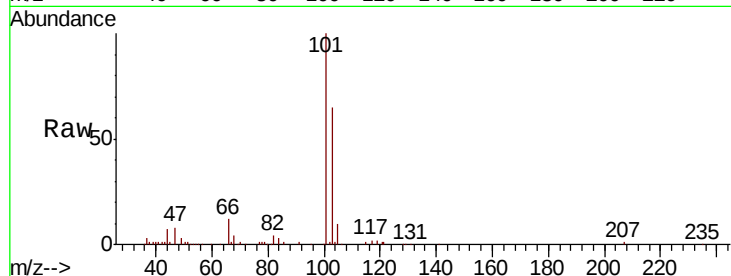


#7

Trichlorofluoromethane
 Concen: 19.610 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
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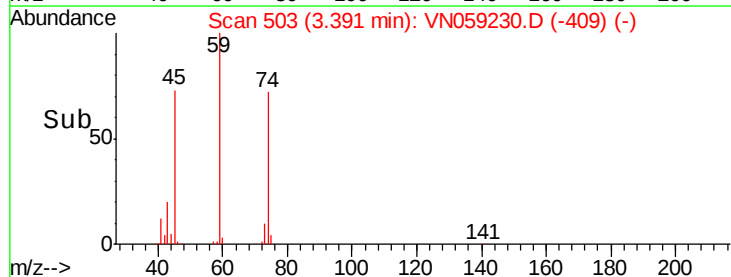
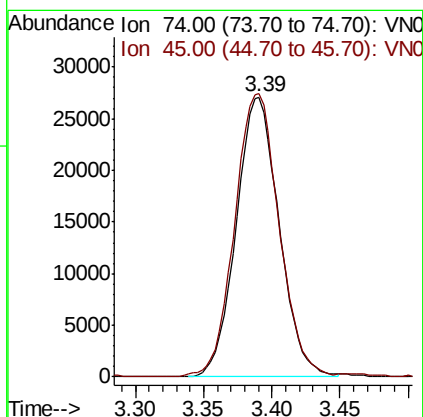
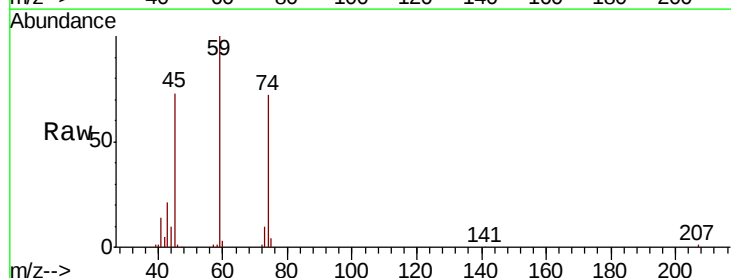
Tot Ion: 101 Resp: 135796
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.2 76.8

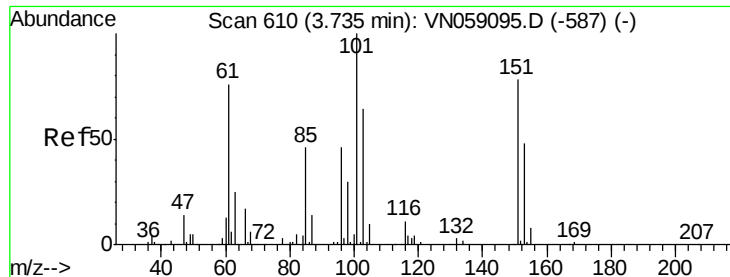


#8

Diethyl Ether
 Concen: 21.019 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion: 74 Resp: 59143
 Ion Ratio Lower Upper
 74 100
 45 104.8 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.299 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

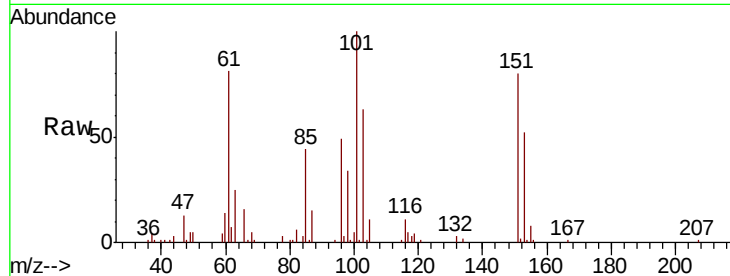
Tot Ion:101 Resp: 84756

Ion Ratio Lower Upper

101 100

85 43.6 35.5 53.3

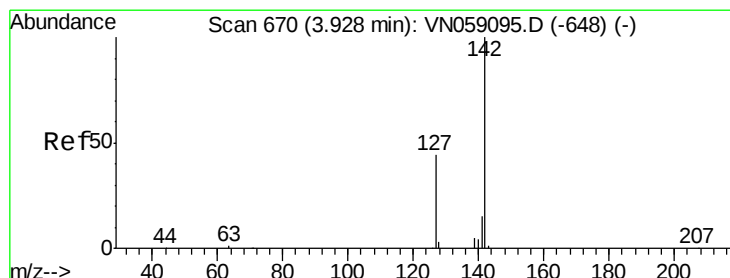
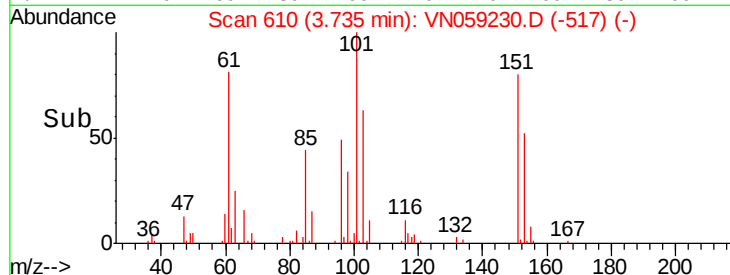
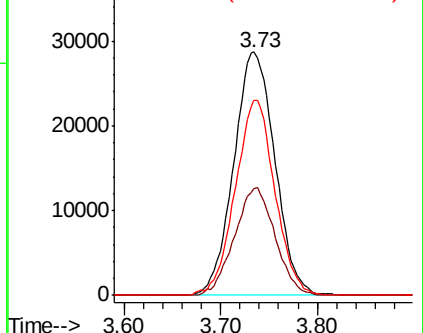
151 77.4 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.314 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

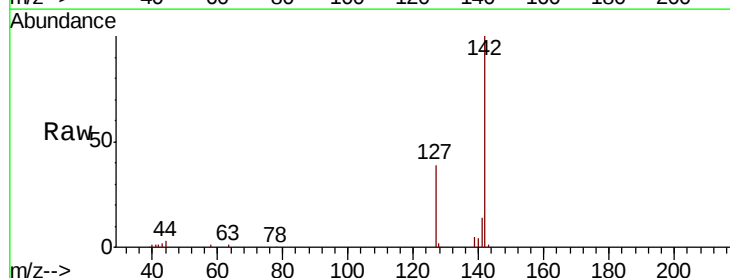
Tgt Ion:142 Resp: 104987

Ion Ratio Lower Upper

142 100

127 40.8 34.2 51.2

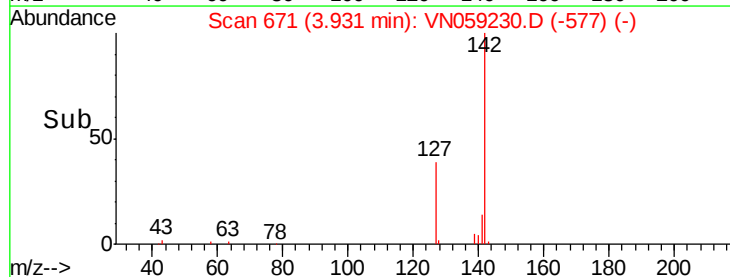
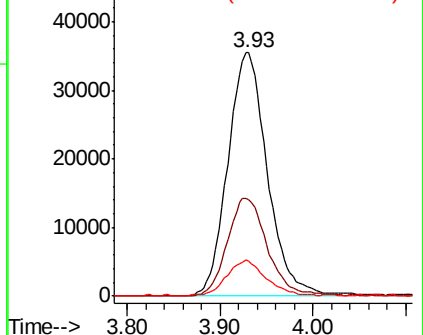
141 13.8 11.4 17.0

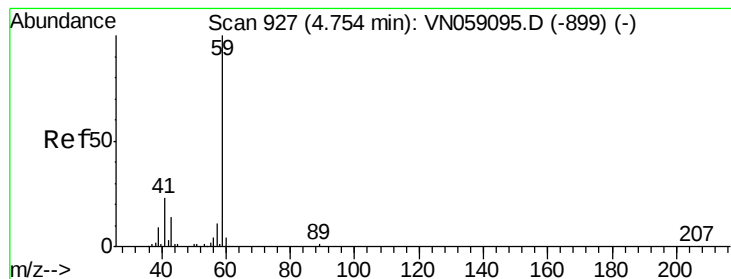


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



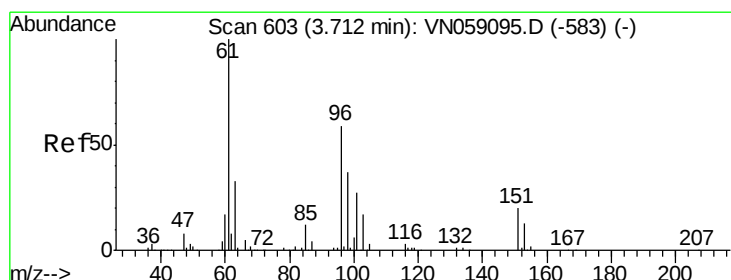
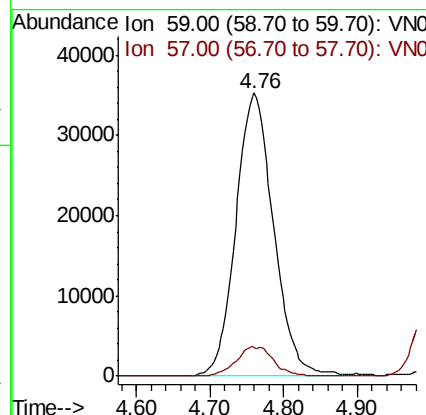
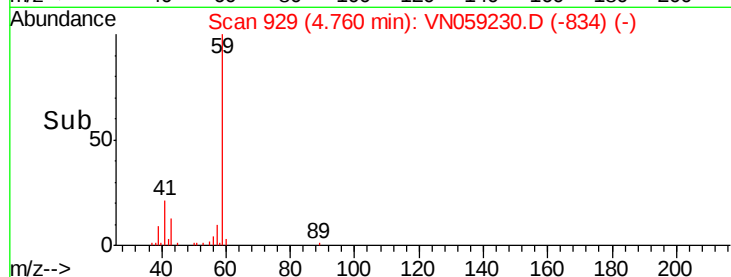
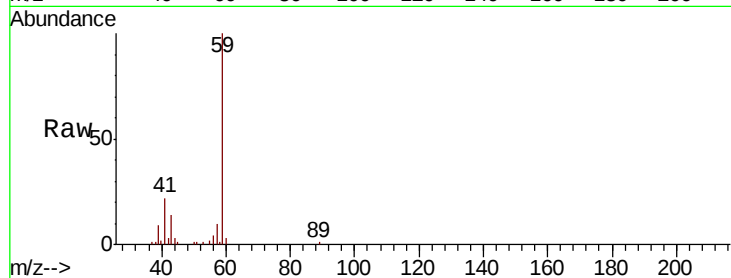


#11

Tert butyl alcohol
 Concen: 122.833 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.01 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

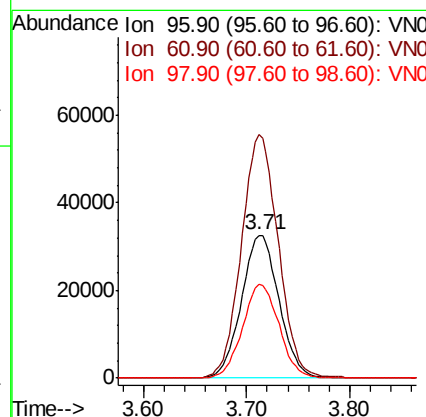
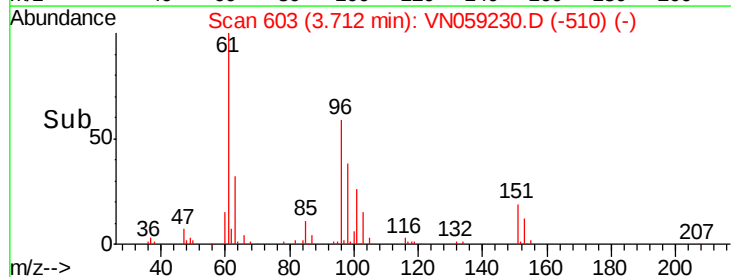
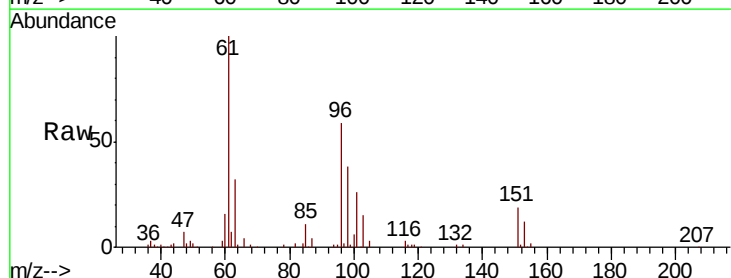
Tot Ion: 59 Resp: 125466
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

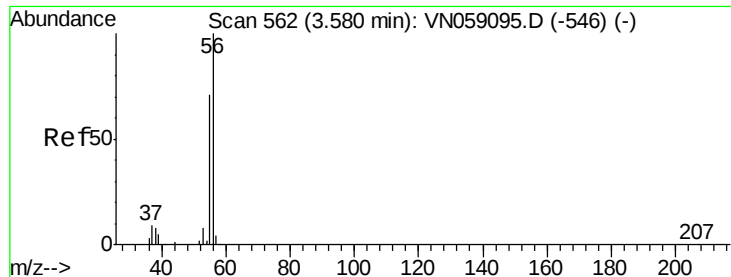


#12

1,1-Dichloroethene
 Concen: 20.310 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion: 96 Resp: 82605
 Ion Ratio Lower Upper
 96 100
 61 170.8 136.5 204.7
 98 65.7 50.2 75.4





#13

Acrolein

Concen: 70.545 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

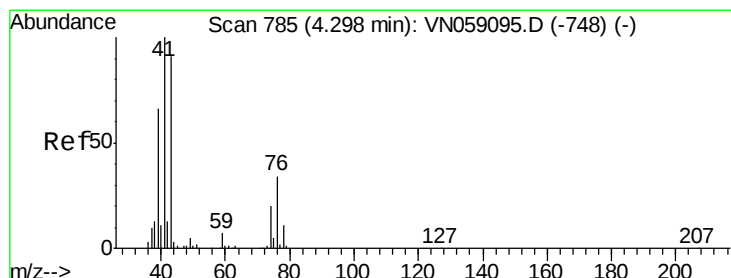
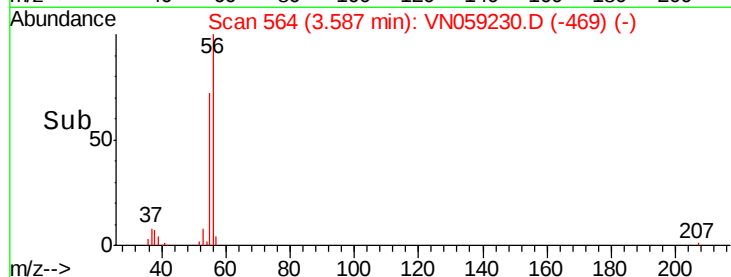
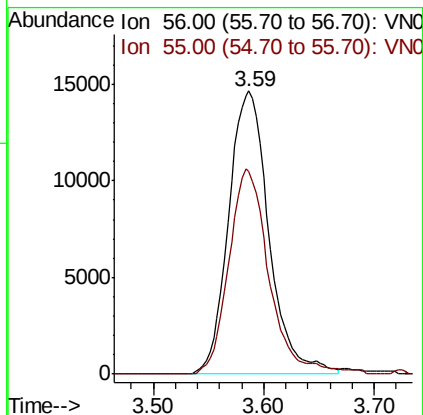
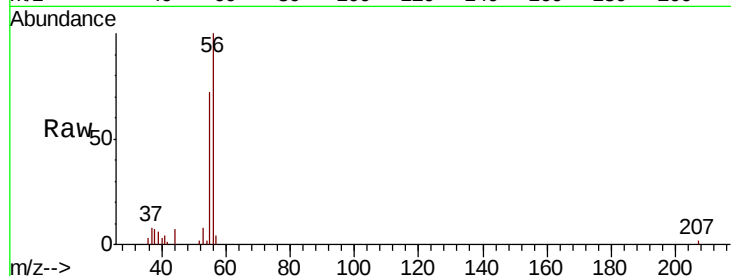
VN1114MBSD01

Tot Ion: 56 Resp: 37151

Ion Ratio Lower Upper

56 100

55 72.1 56.4 84.6



#14

Allyl chloride

Concen: 19.504 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

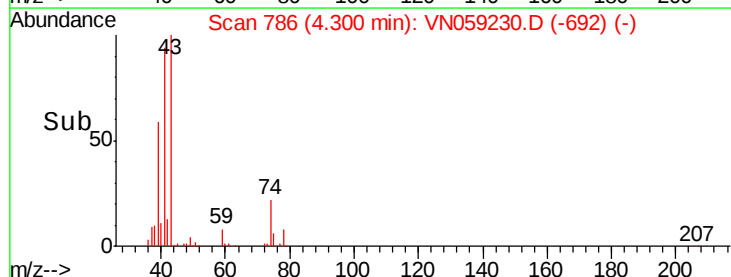
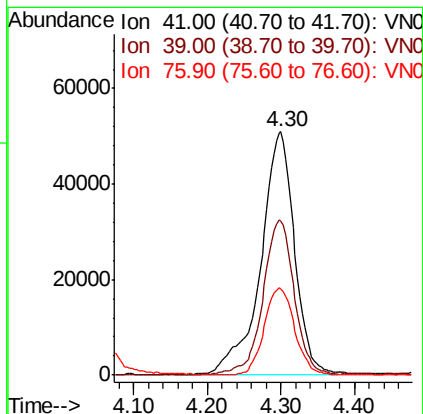
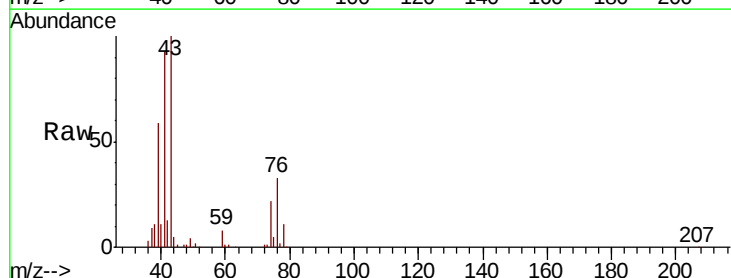
Tgt Ion: 41 Resp: 162950

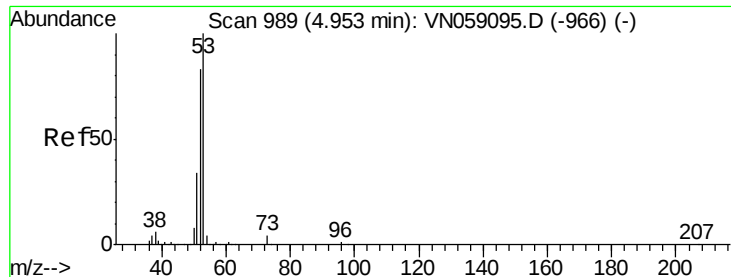
Ion Ratio Lower Upper

41 100

39 57.7 49.1 73.7

76 32.2 24.9 37.3





#15

Acrylonitrile

Concen: 116.258 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

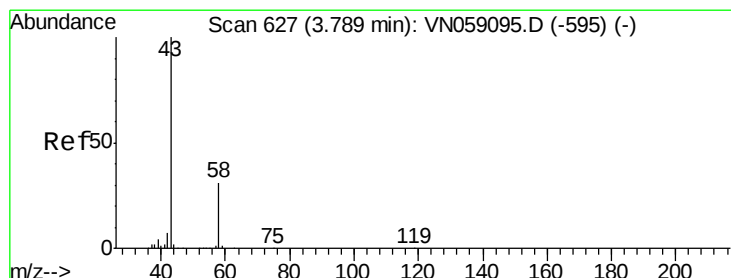
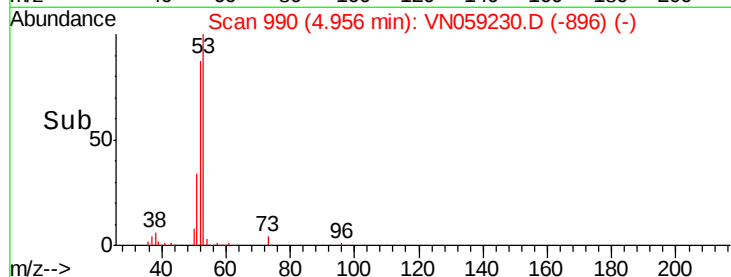
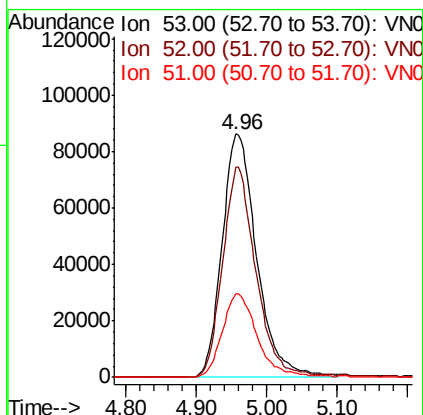
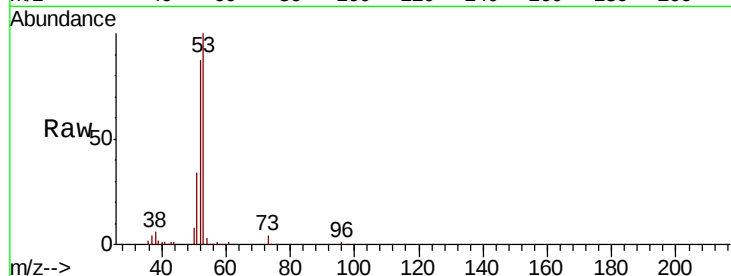
Tot Ion: 53 Resp: 295528

Ion Ratio Lower Upper

53 100

52 83.3 65.0 97.6

51 34.5 28.0 42.0



#16

Acetone

Concen: 85.959 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.01 min

Lab File: VN059230.D

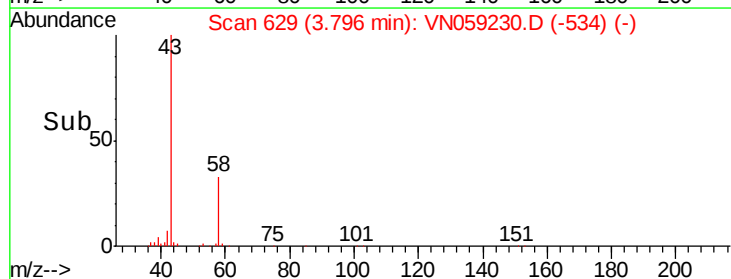
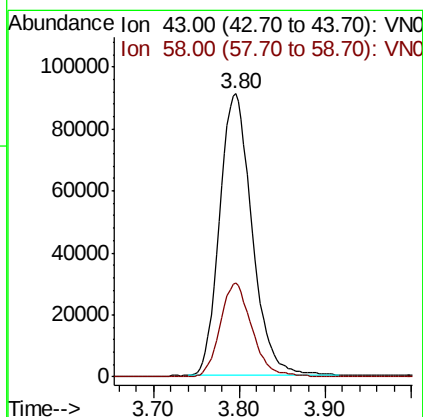
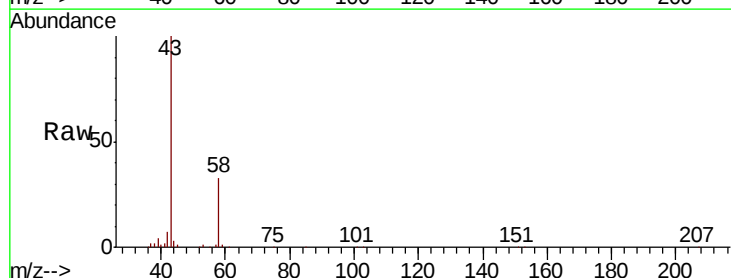
Acq: 14 Nov 2019 13:53

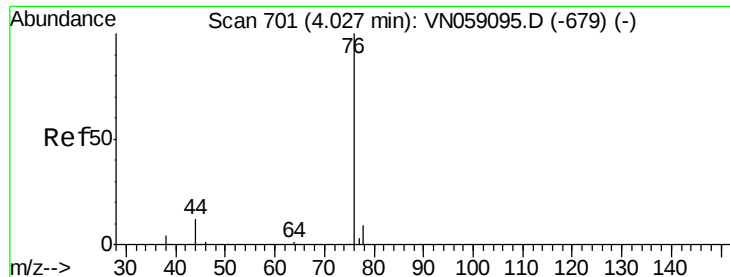
Tgt Ion: 43 Resp: 239577

Ion Ratio Lower Upper

43 100

58 33.3 24.9 37.3

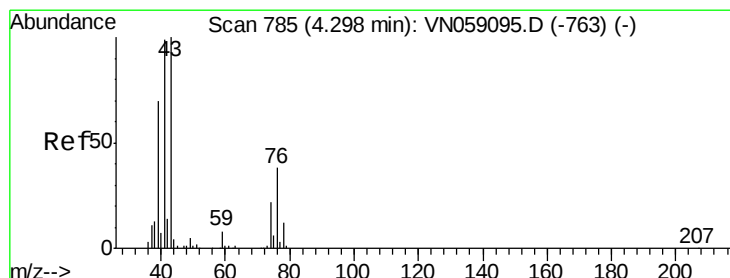
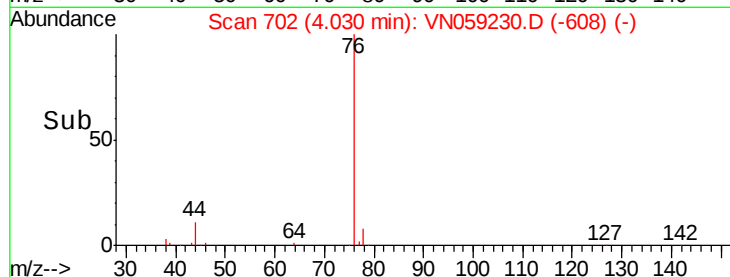
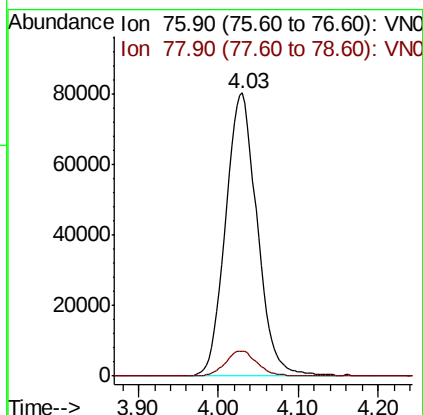
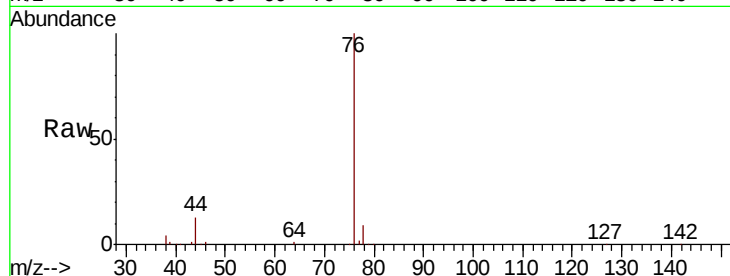




#17
Carbon Disulfide
Concen: 17.159 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

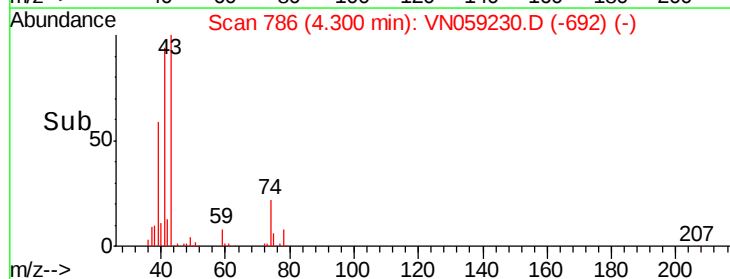
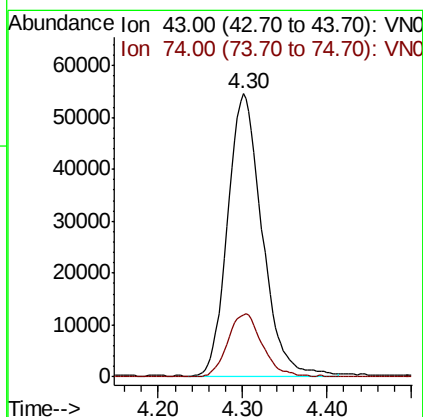
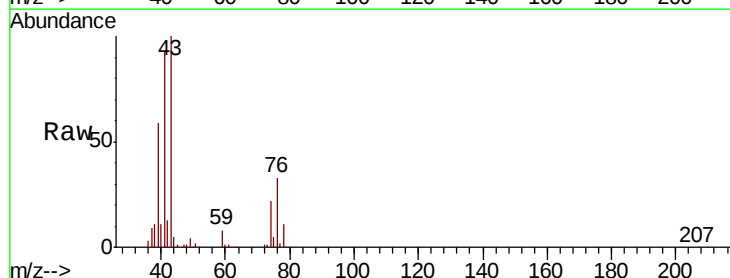
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

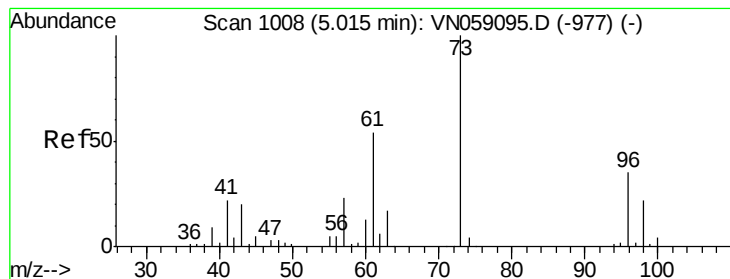
Tot Ion: 76 Resp: 216648
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 23.645 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion: 43 Resp: 156426
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.8



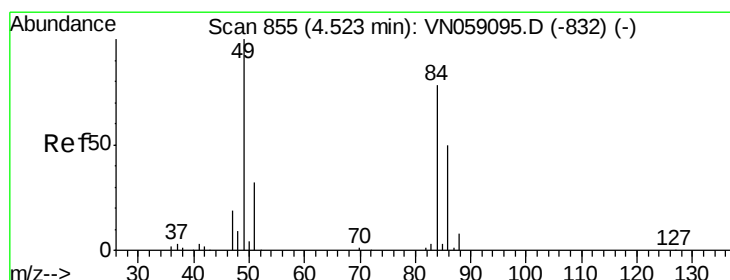
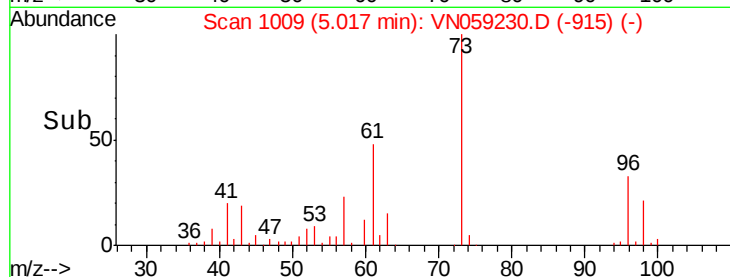
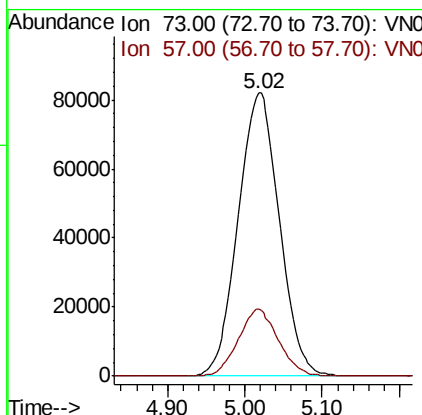
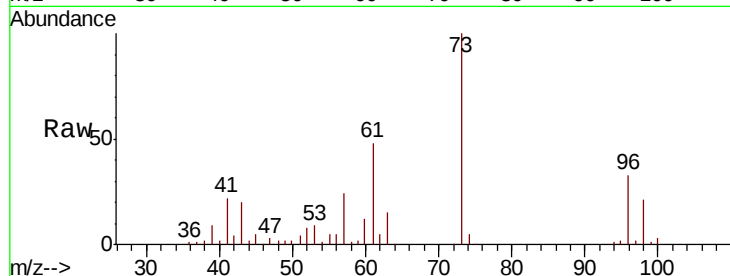


#19

Methyl tert-butyl Ether
 Concen: 21.727 ug/l
 RT: 5.02 min Scan# 1009
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

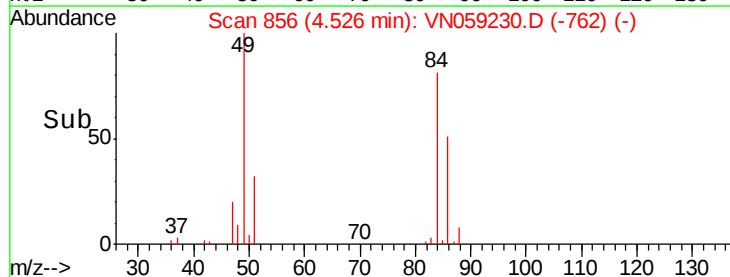
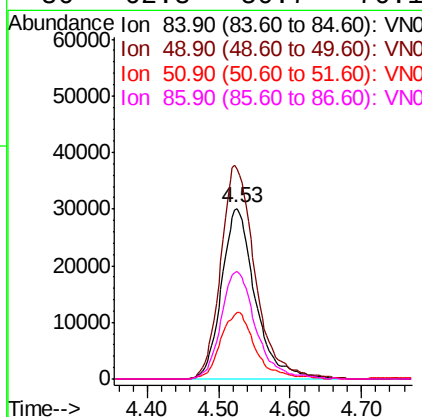
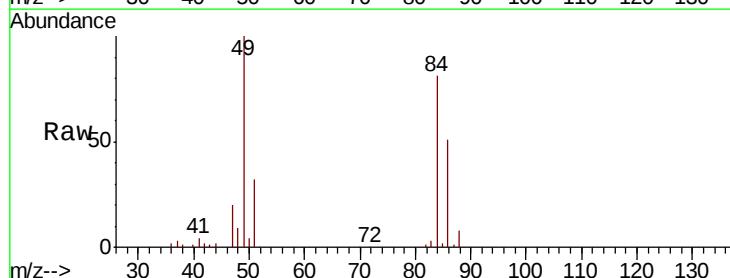
Tot Ion: 73 Resp: 304239
 Ion Ratio Lower Upper
 73 100
 57 23.9 18.4 27.6

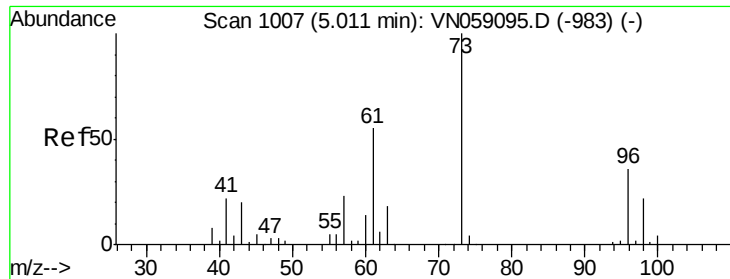


#20

Methylene Chloride
 Concen: 20.320 ug/l
 RT: 4.53 min Scan# 856
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion: 84 Resp: 98667
 Ion Ratio Lower Upper
 84 100
 49 123.4 102.0 153.0
 51 39.0 32.2 48.2
 86 62.8 50.7 76.1

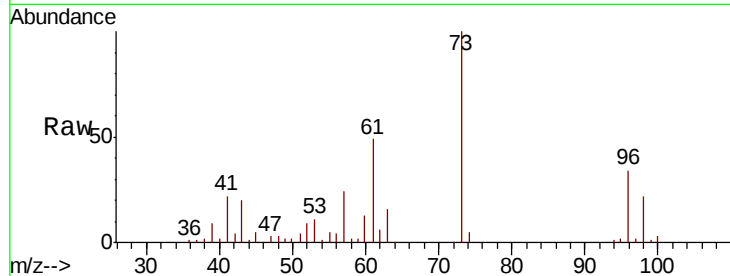




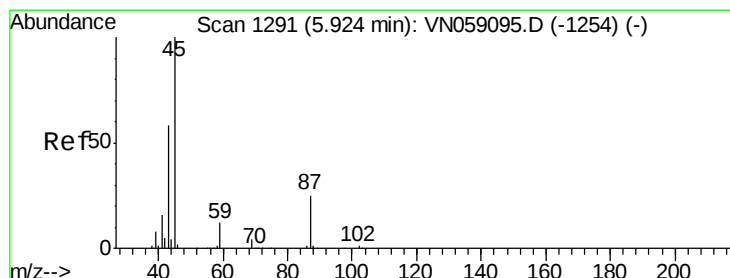
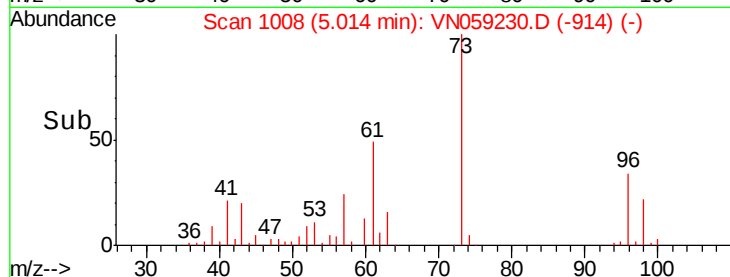
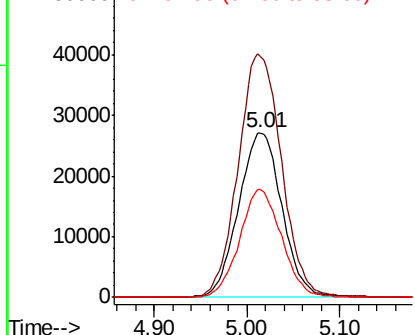
#21
trans-1,2-Dichloroethene
Concen: 20.187 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion: 96 Resp: 88132
Ion Ratio Lower Upper
96 100
61 146.8 122.6 183.8
98 65.8 50.3 75.5

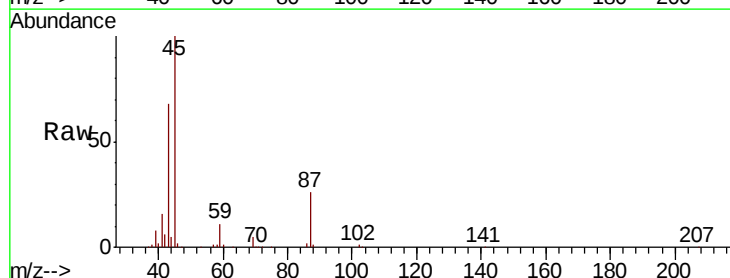


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

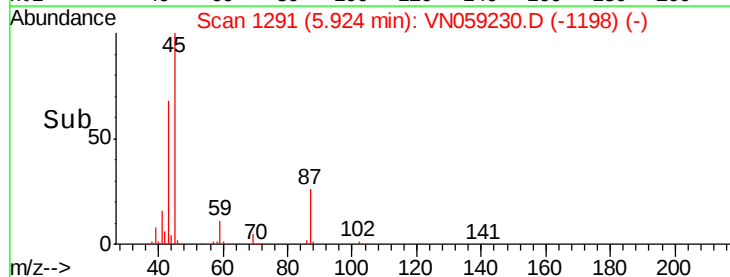
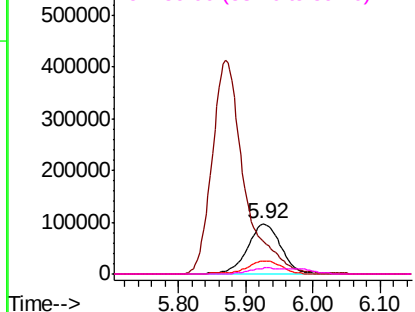


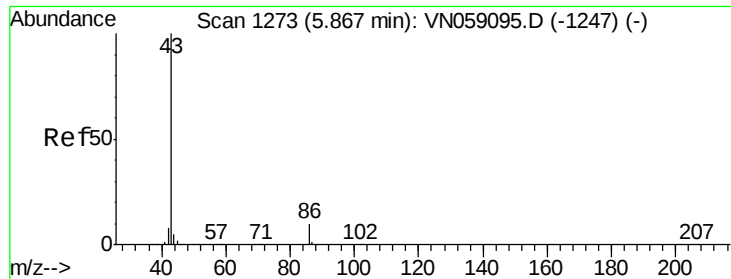
#22
Diisopropyl ether
Concen: 21.037 ug/l
RT: 5.92 min Scan# 1291
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion: 45 Resp: 331986
Ion Ratio Lower Upper
45 100
43 66.0 46.7 70.1
87 25.7 20.5 30.7
59 11.2 9.6 14.4



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 112.499 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleID :

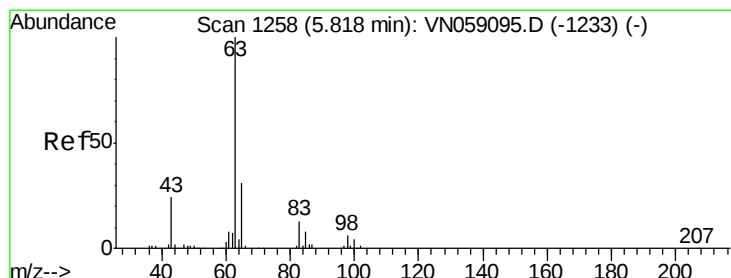
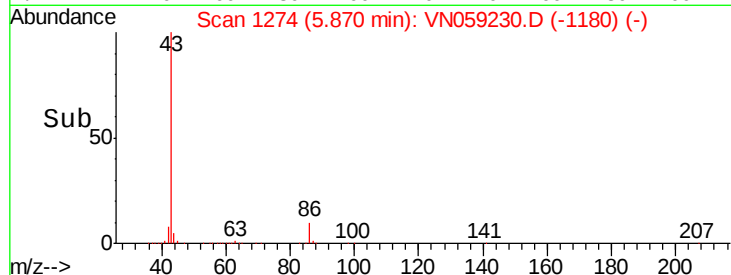
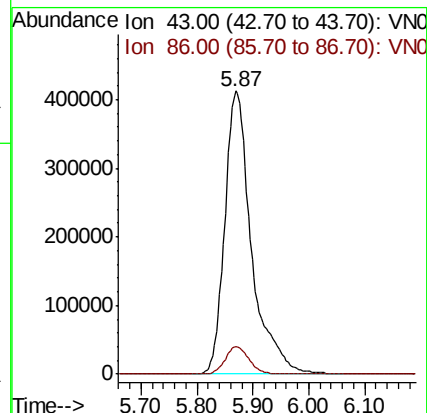
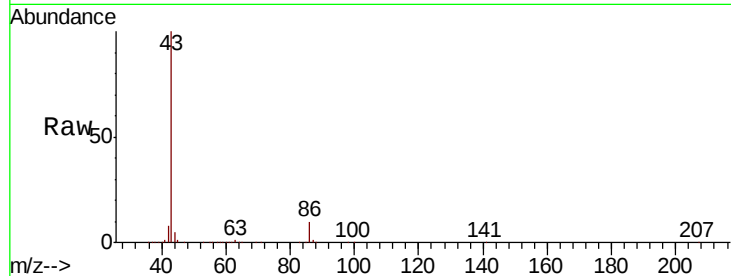
VN1114MBSD01

Tot Ion: 43 Resp: 1375910

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



#24

1,1-Dichloroethane

Concen: 20.471 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

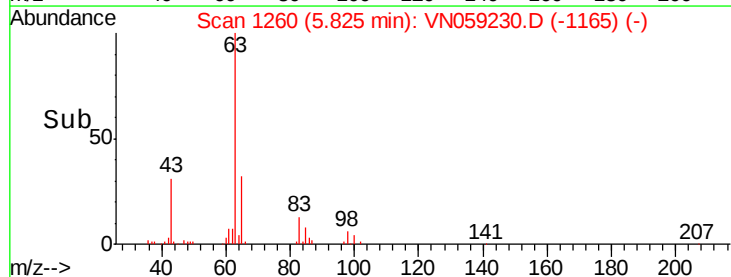
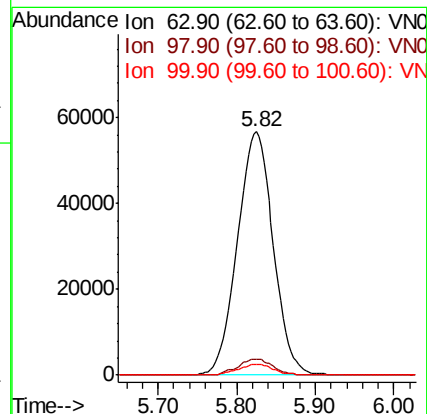
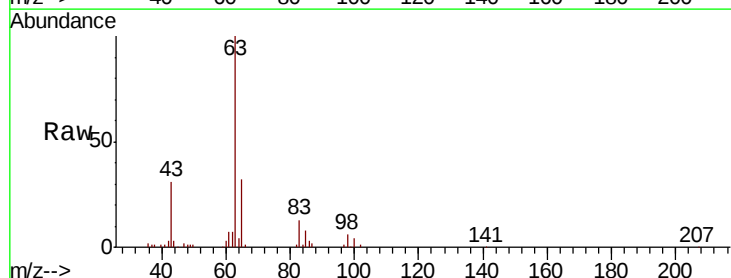
Tgt Ion: 63 Resp: 180430

Ion Ratio Lower Upper

63 100

98 6.3 2.8 8.4

100 4.5 1.9 5.7

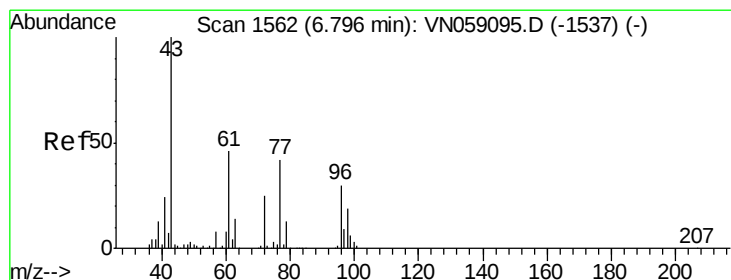
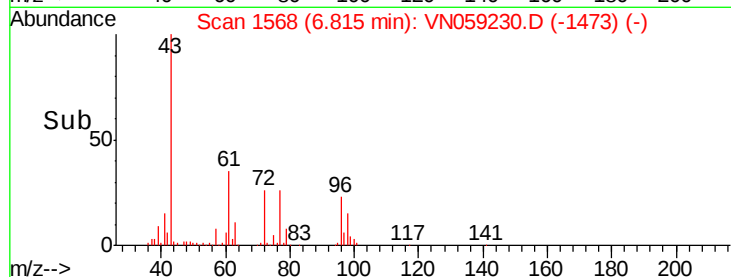
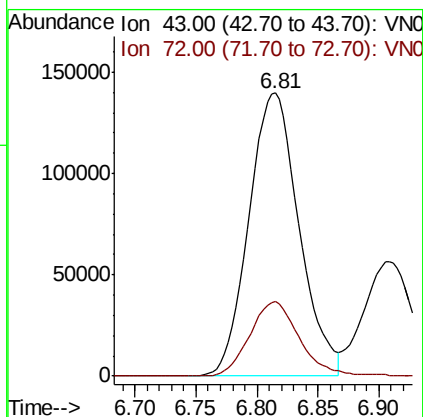
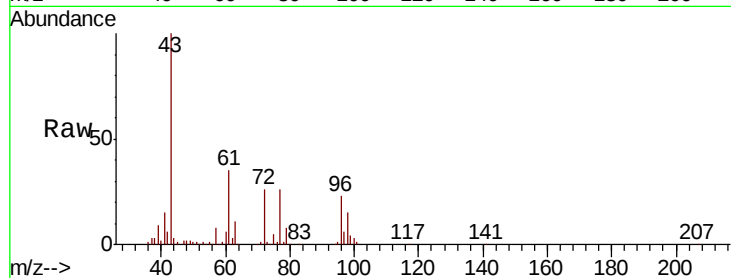




#25
 2-Butanone
 Concen: 108.180 ug/l
 RT: 6.81 min Scan# 1568
 Delta R.T. 0.01 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

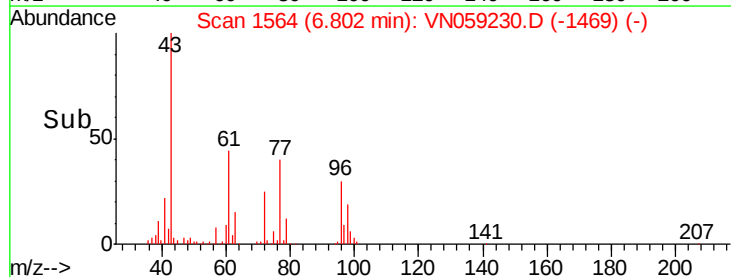
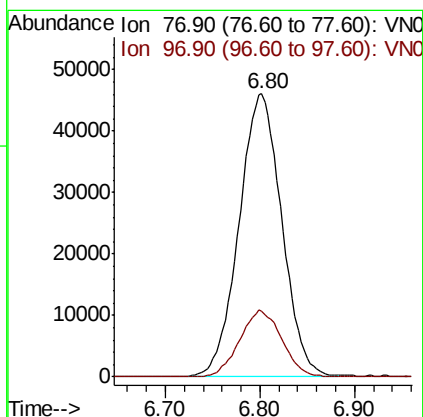
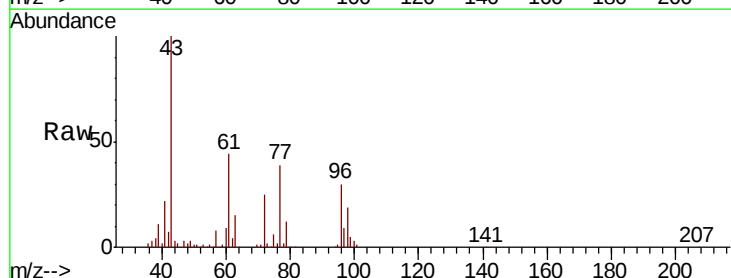
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

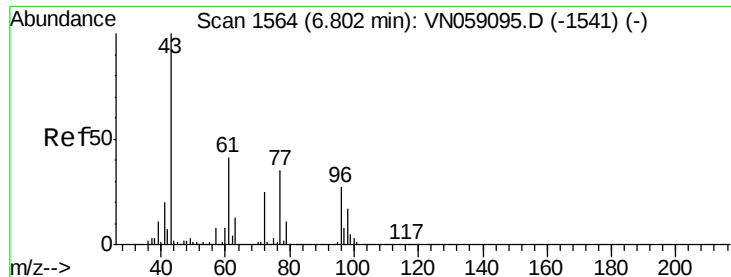
Tot Ion: 43 Resp: 397374
 Ion Ratio Lower Upper
 43 100
 72 26.3 20.3 30.5



#26
 2,2-Dichloropropane
 Concen: 18.762 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.01 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion: 77 Resp: 144603
 Ion Ratio Lower Upper
 77 100
 97 23.2 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.812 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampled :

VN1114MBSD01

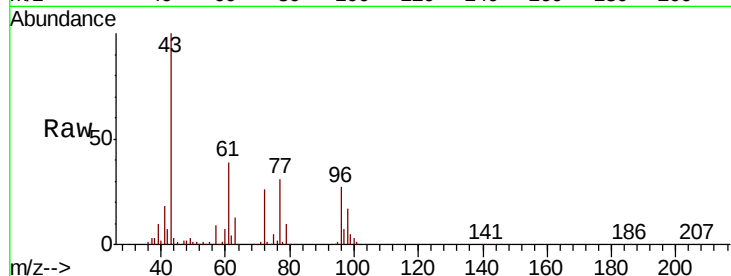
Tot Ion: 96 Resp: 105413

Ion Ratio Lower Upper

96 100

61 149.8 0.0 311.6

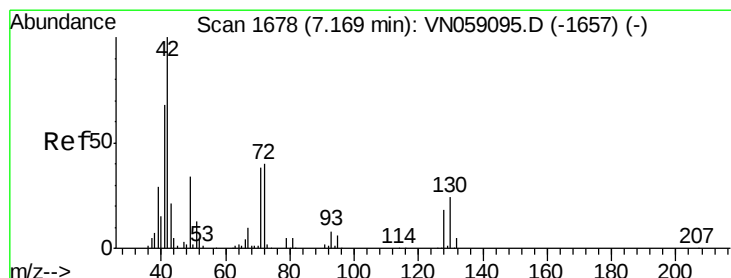
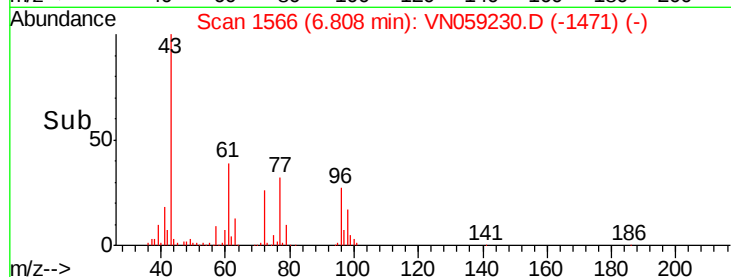
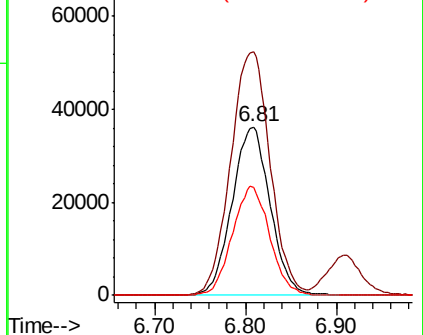
98 63.2 0.0 129.8



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



#28

Bromochloromethane

Concen: 19.644 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

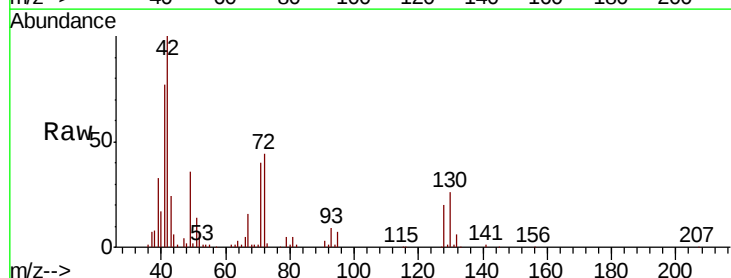
Tgt Ion: 49 Resp: 52090

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

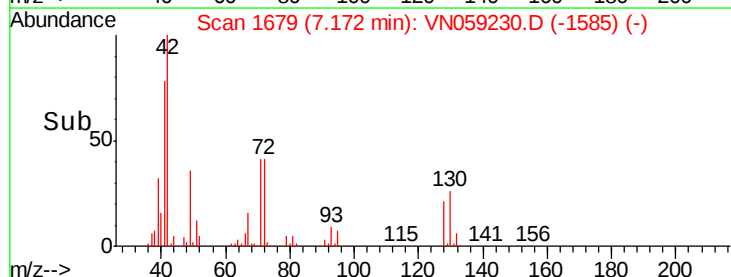
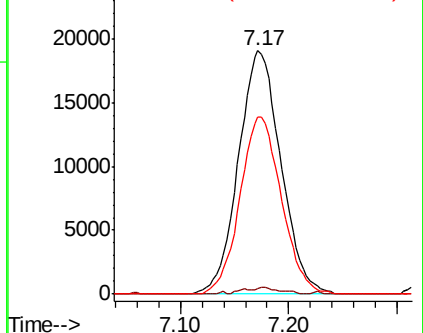
130 71.2 55.6 83.4

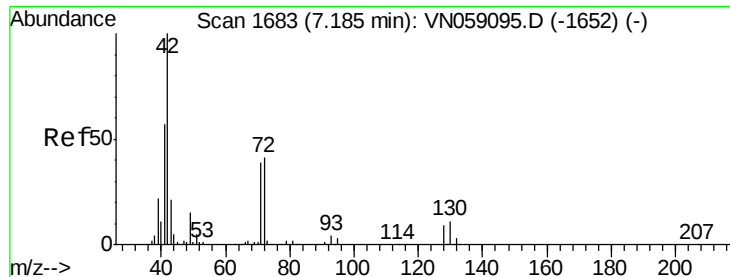


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 114.761 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.01 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

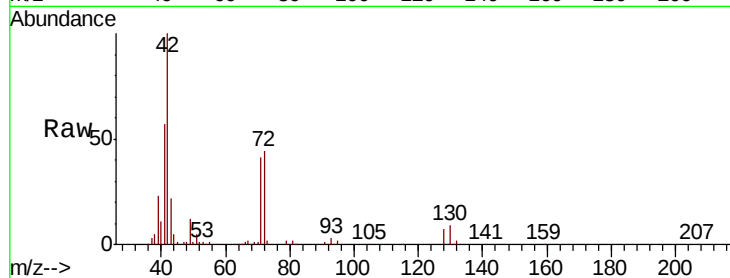
Tot Ion: 42 Resp: 267852

Ion Ratio Lower Upper

42 100

72 42.9 33.1 49.7

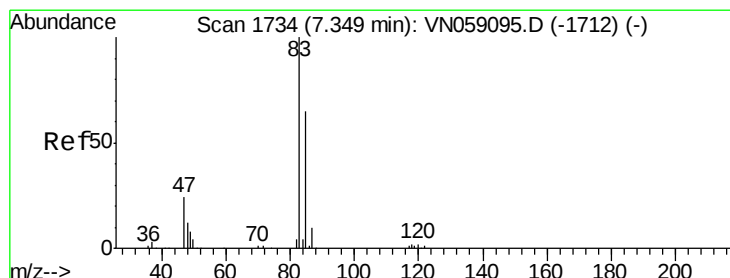
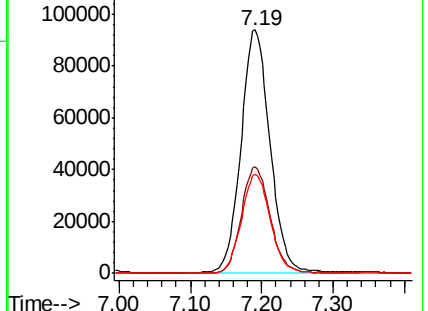
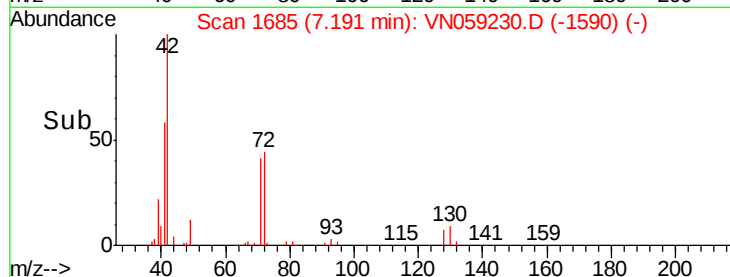
71 40.3 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN059230.D (-1685) (-)

Ion 72.00 (71.70 to 72.70): VN059230.D (-1685) (-)

Ion 71.00 (70.70 to 71.70): VN059230.D (-1685) (-)



#30

Chloroform

Concen: 21.174 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059230.D

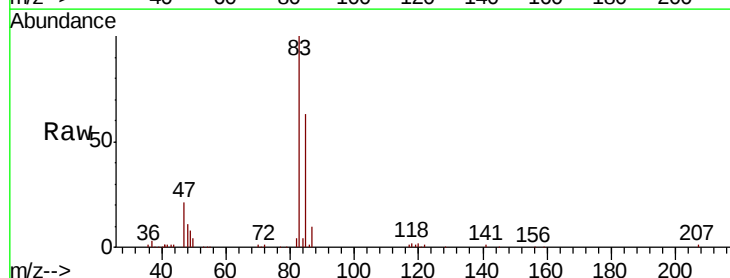
Acq: 14 Nov 2019 13:53

Tgt Ion: 83 Resp: 179023

Ion Ratio Lower Upper

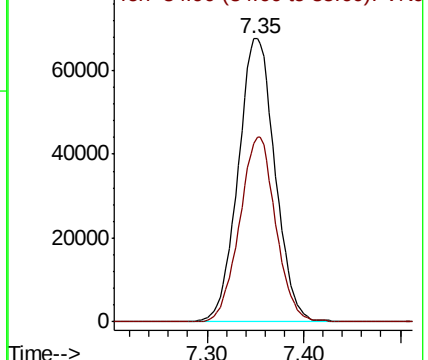
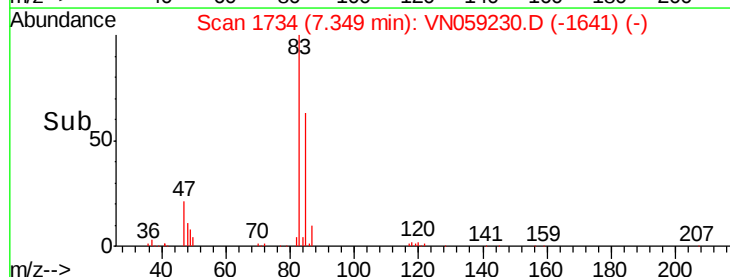
83 100

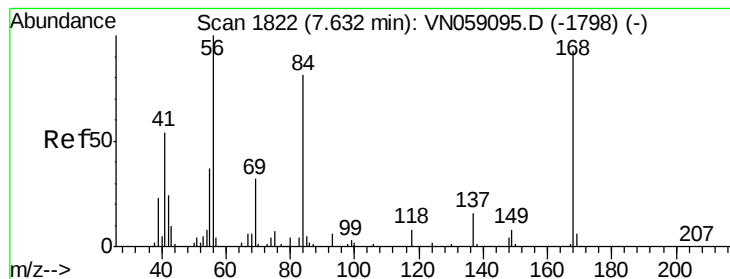
85 62.8 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN059230.D (-1734) (-)

Ion 84.90 (84.60 to 85.60): VN059230.D (-1734) (-)





#31

Cyclohexane

Concen: 19.179 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

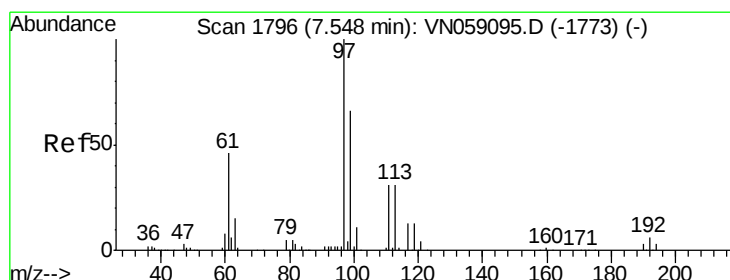
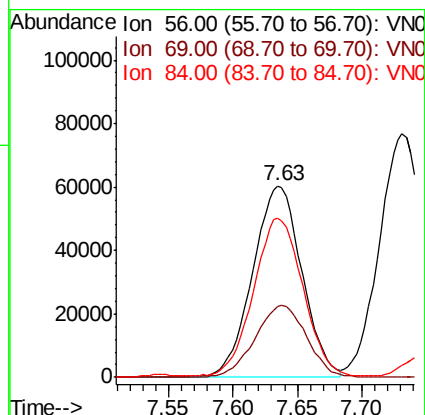
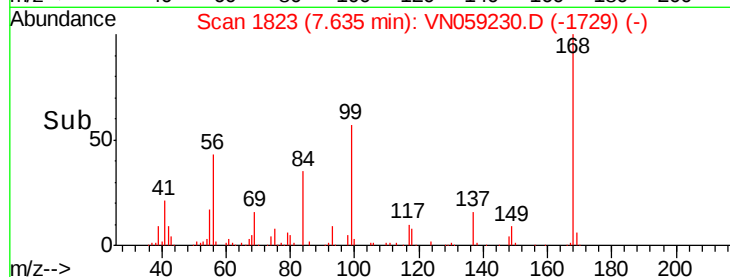
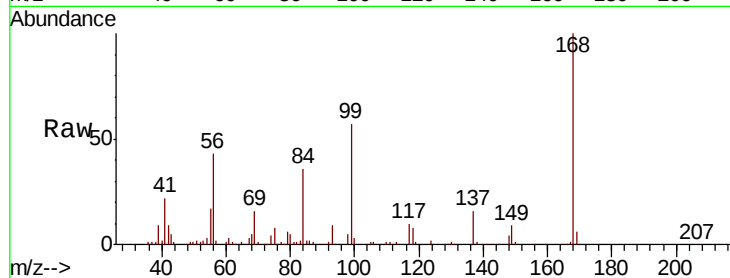
Tot Ion: 56 Resp: 160028

Ion Ratio Lower Upper

56 100

69 36.7 25.8 38.8

84 82.4 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 21.162 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

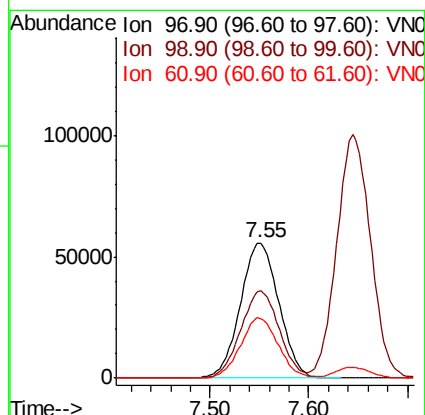
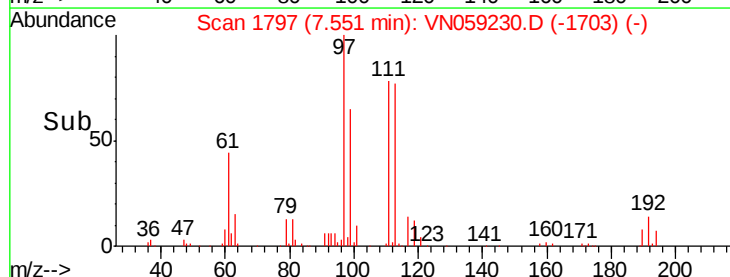
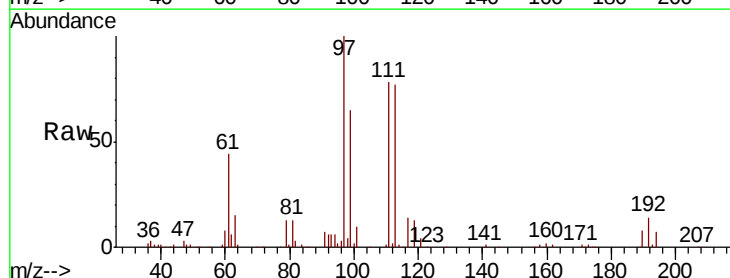
Tgt Ion: 97 Resp: 150428

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.6

61 43.7 35.8 53.8





#33

1,2-Dichloroethane-d4

Concen: 49.727 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

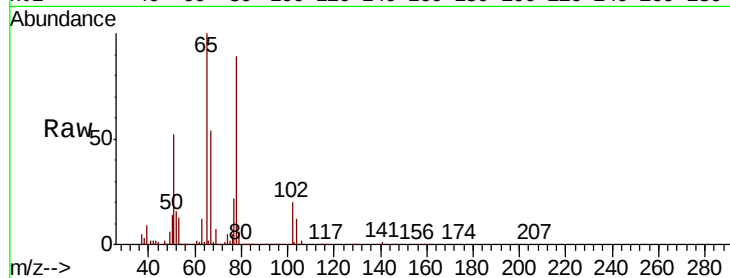
VN1114MBSD01

Tot Ion: 65 Resp: 266520

Ion Ratio Lower Upper

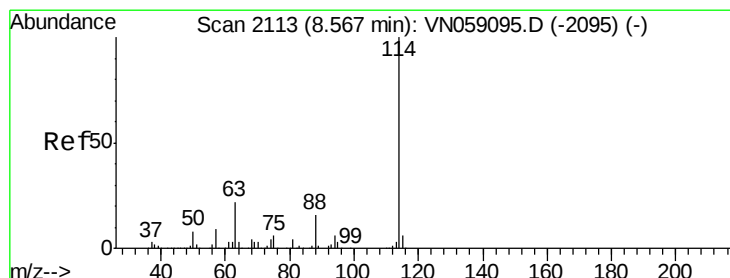
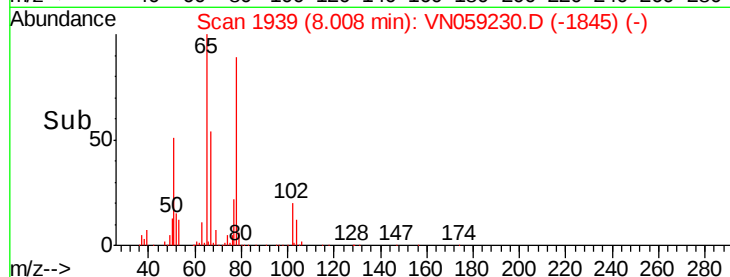
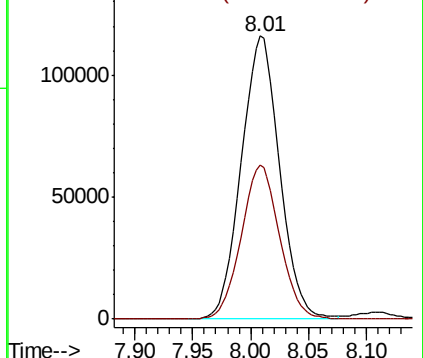
65 100

67 54.6 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

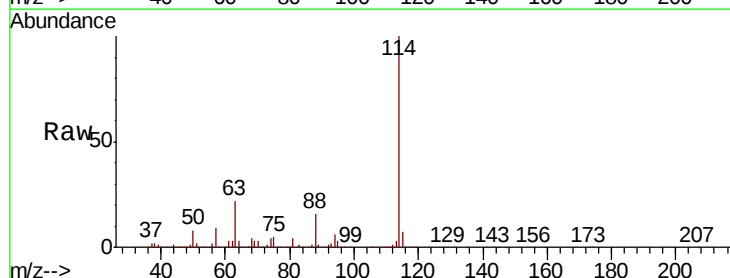
Tgt Ion:114 Resp: 690472

Ion Ratio Lower Upper

114 100

63 21.5 0.0 43.4

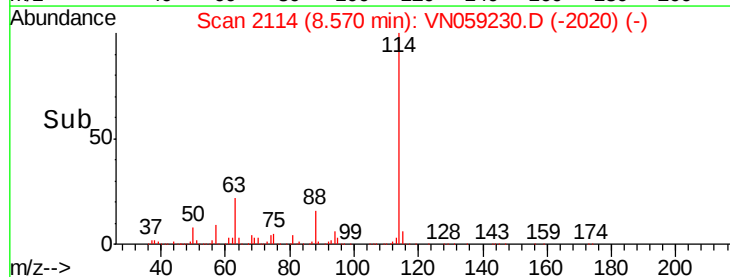
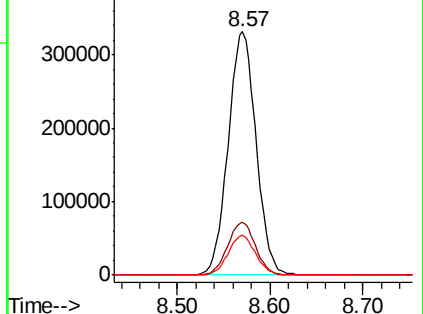
88 16.3 0.0 32.2

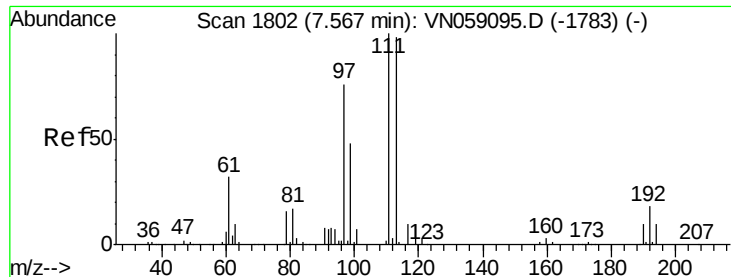


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

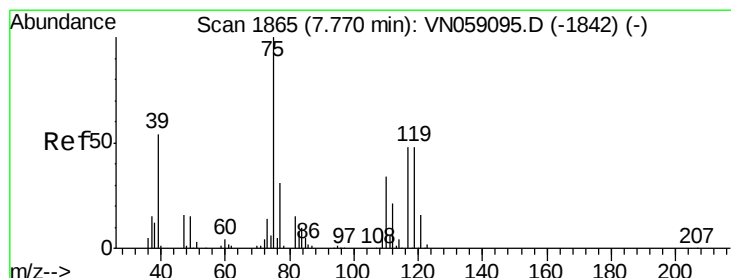
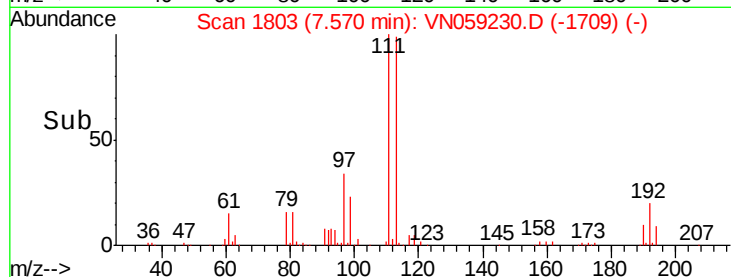
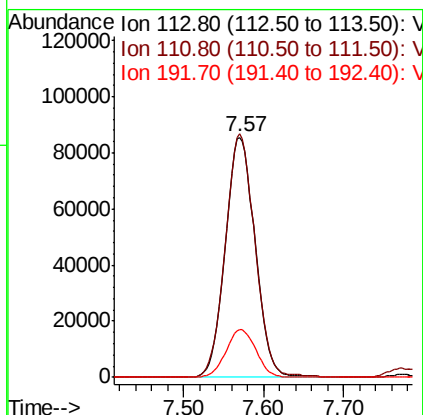
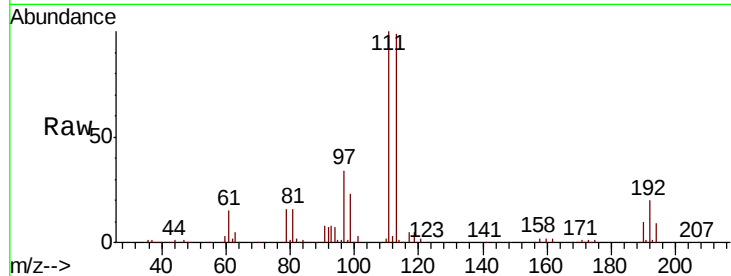




#35
 Dibromofluoromethane
 Concen: 52.666 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

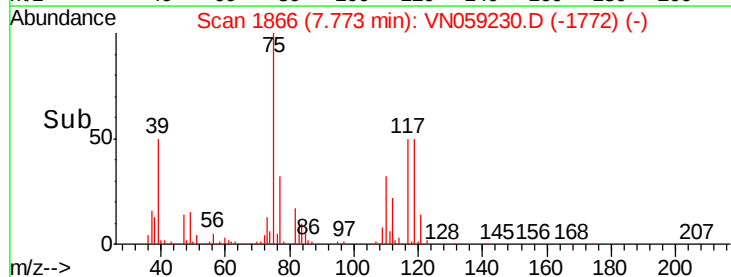
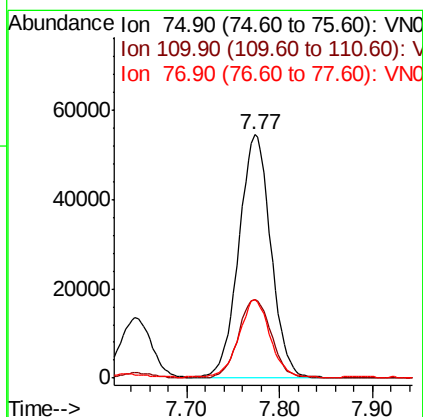
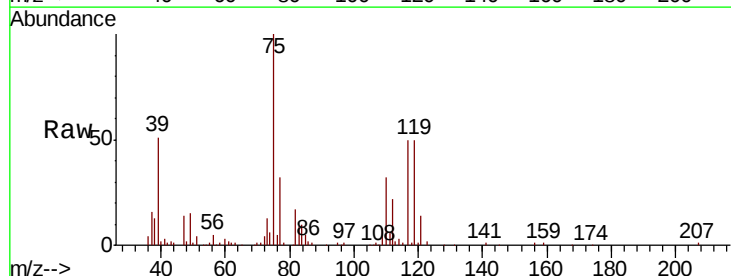
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

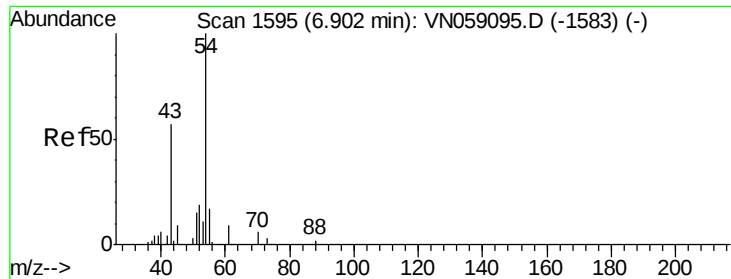
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.8	124.2
192	20.0	16.1	24.1



#36
 1,1-Dichloropropene
 Concen: 20.344 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	17.1	51.2
77	31.1	24.8	37.2

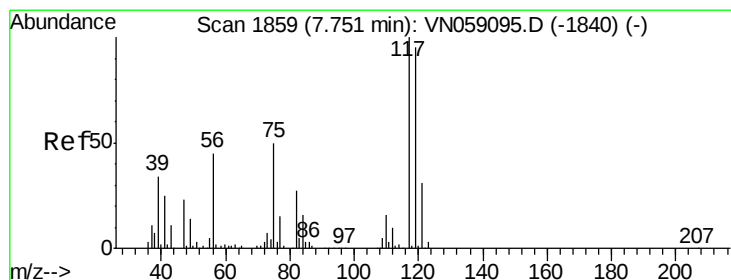
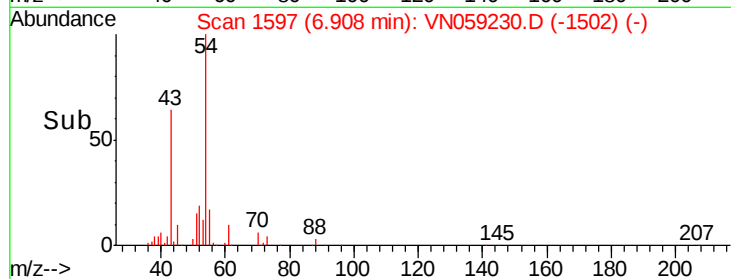
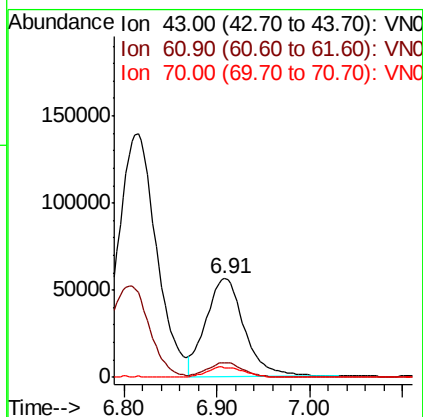
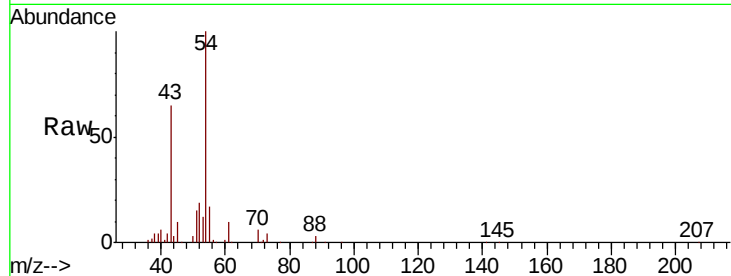




#37
Ethyl Acetate
Concen: 22.585 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.01 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

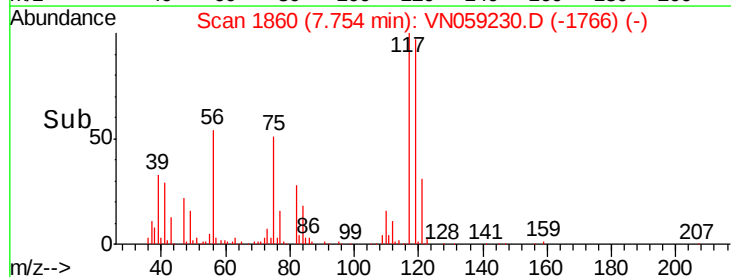
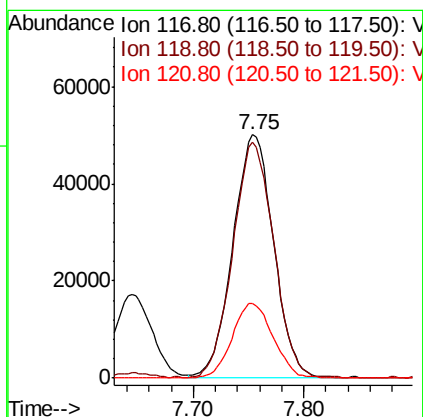
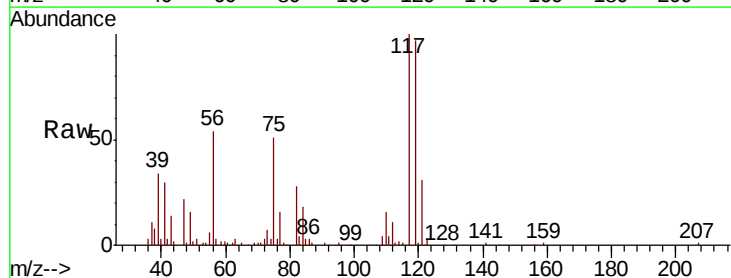
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

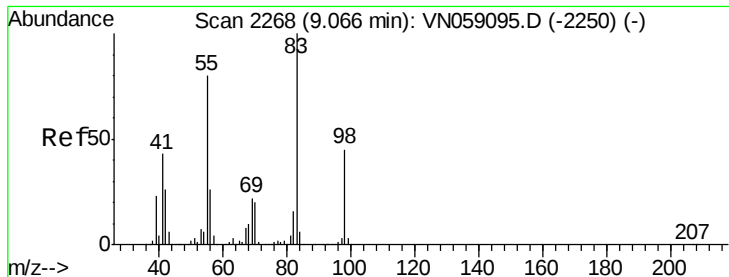
Tot Ion: 43 Resp: 162152
Ion Ratio Lower Upper
43 100
61 13.9 11.2 16.8
70 10.4 7.8 11.8



#38
Carbon Tetrachloride
Concen: 20.003 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion: 117 Resp: 128494
Ion Ratio Lower Upper
117 100
119 96.6 75.6 113.4
121 30.6 24.6 36.8

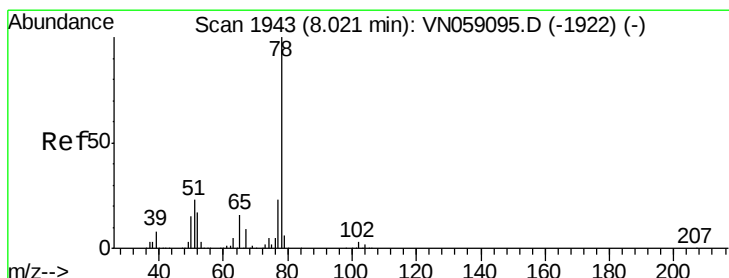
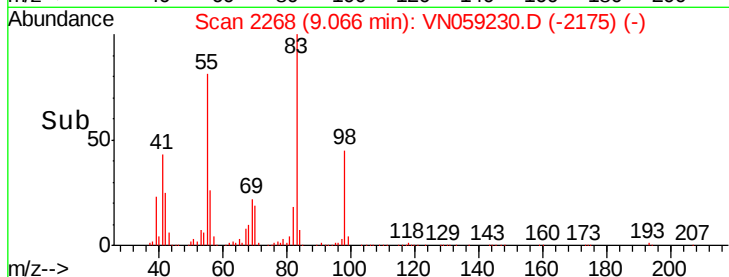
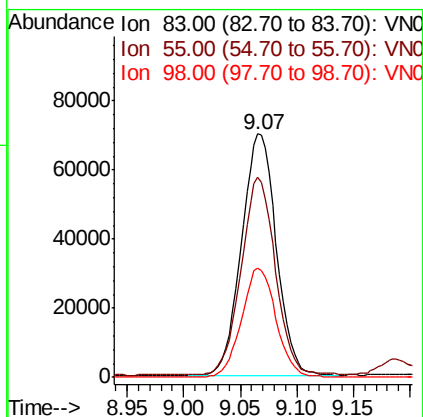
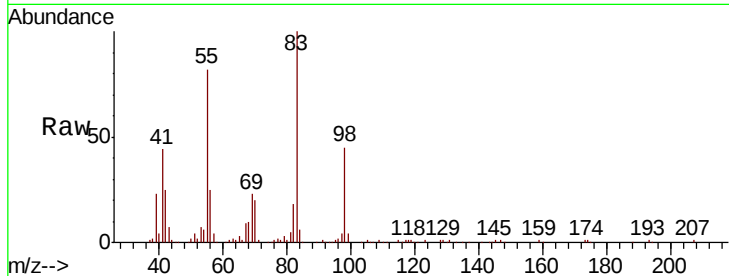




#39
Methvlcvclohexane
Concen: 20.188 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

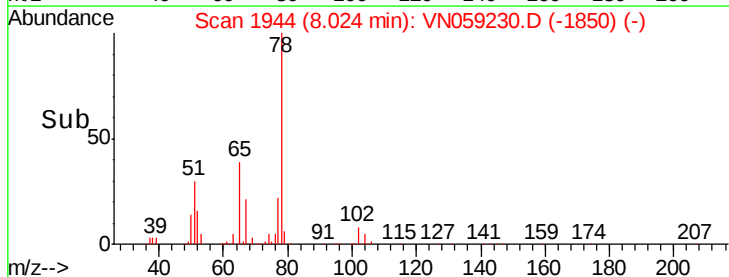
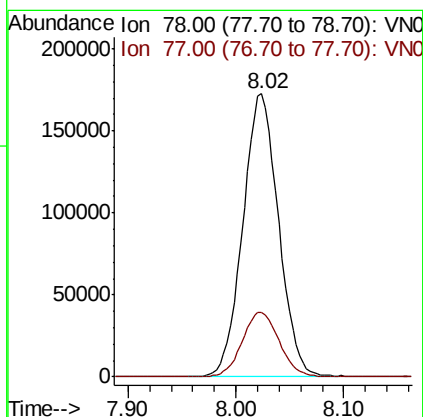
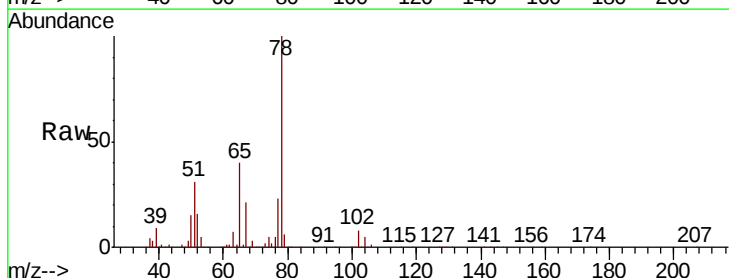
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

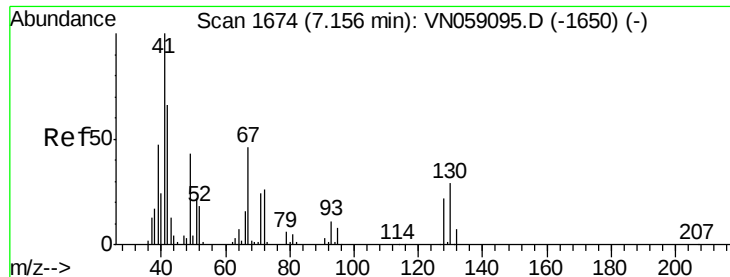
Tot Ion: 83 Resp: 151211
Ion Ratio Lower Upper
83 100
55 81.3 63.9 95.9
98 45.3 35.6 53.4



#40
Benzene
Concen: 20.422 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion: 78 Resp: 396902
Ion Ratio Lower Upper
78 100
77 22.7 18.8 28.2

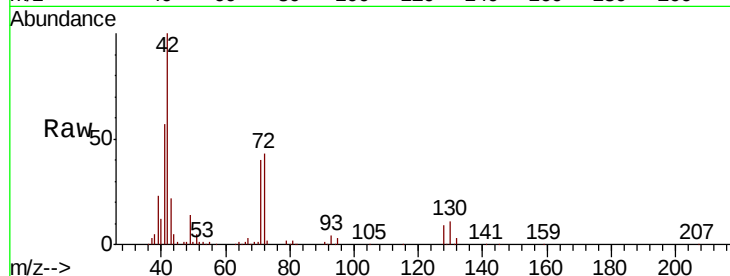




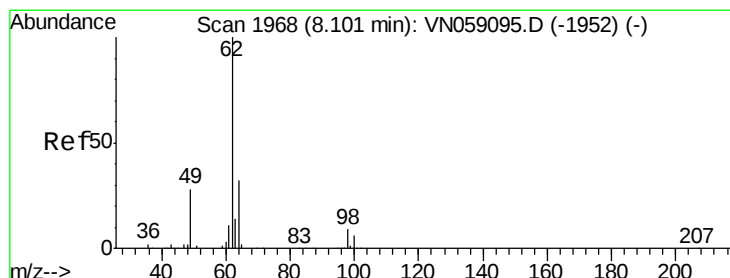
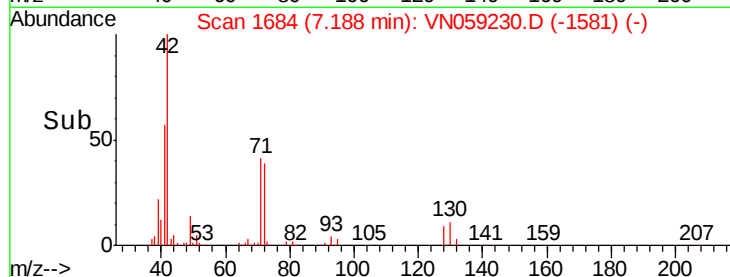
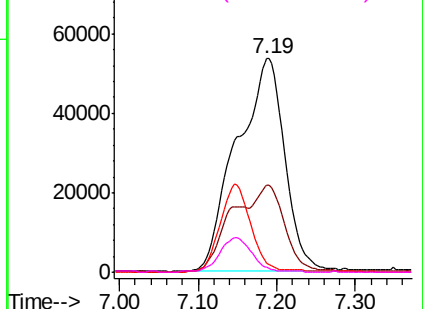
#41
Methacrylonitrile
Concen: 73.402 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion:	41	Resp:	229167
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

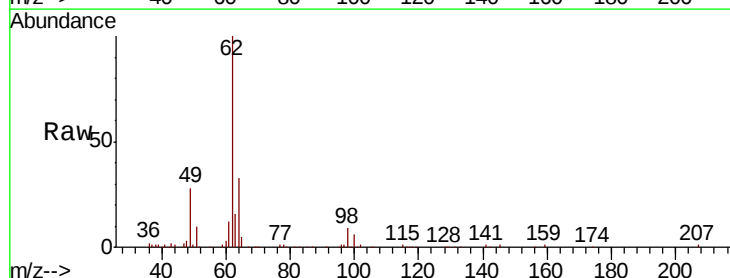


Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO

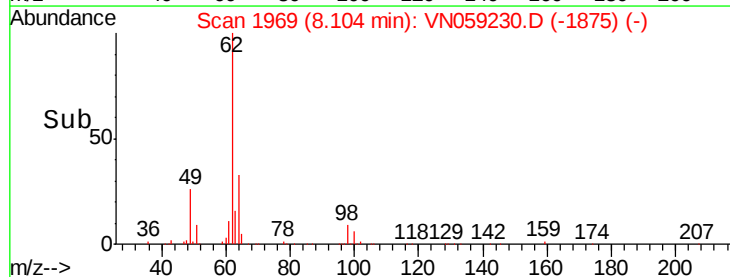
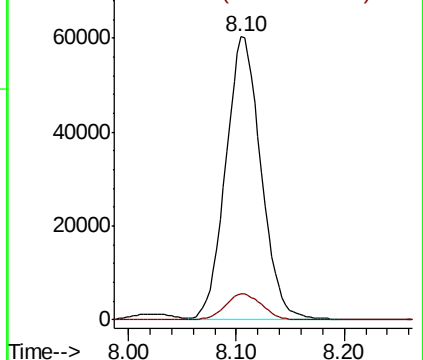


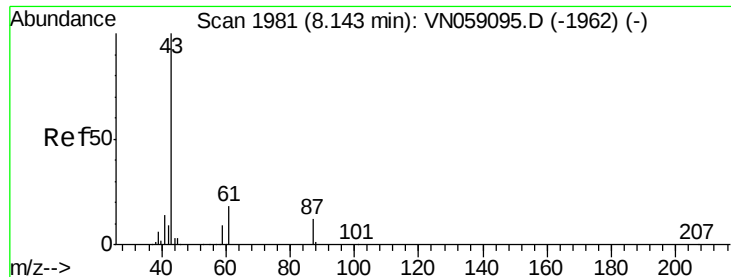
#42
1,2-Dichloroethane
Concen: 20.556 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion:	62	Resp:	137020
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 97.90 (97.60 to 98.60): VNO



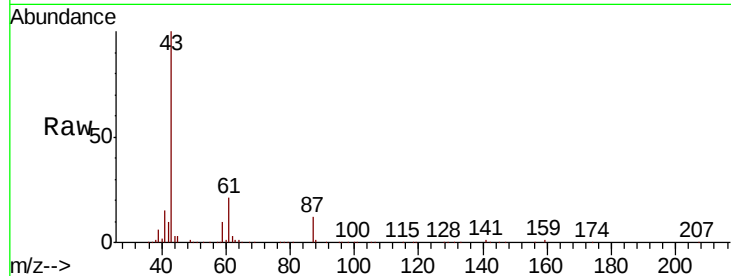


#43

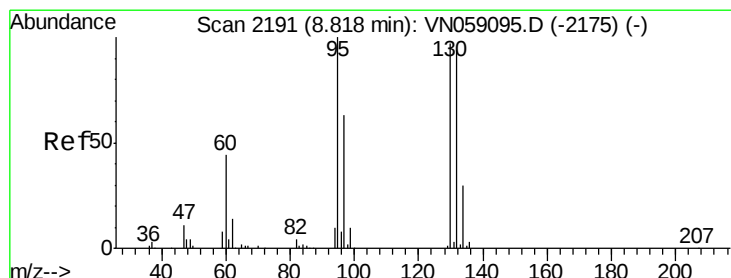
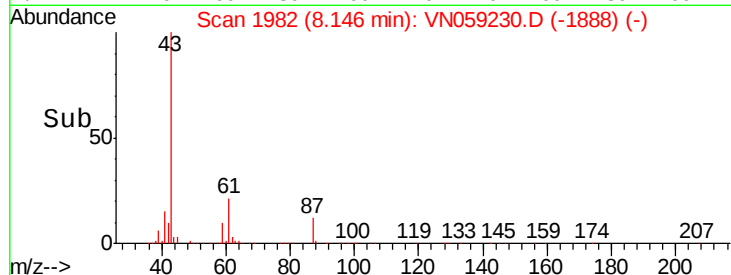
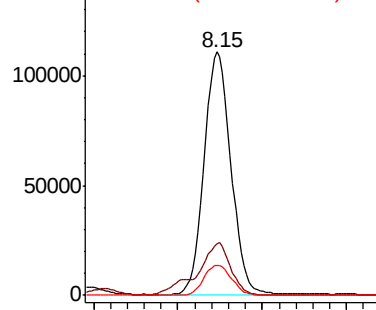
Isopropyl Acetate
 Concen: 21.441 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Tot Ion	43	Resp	245418
Ion Ratio	Lower	Upper	
43	100		
61	27.0	21.0	31.6
87	12.9	9.8	14.6



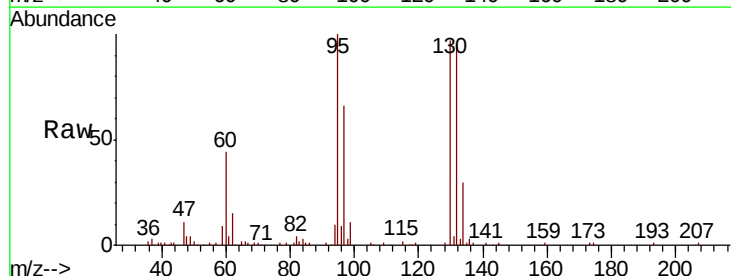
Abundance Ion 43.00 (42.70 to 43.70): VN059230.D (-1982) (-)



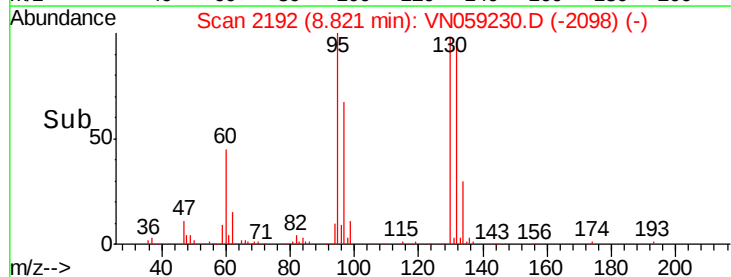
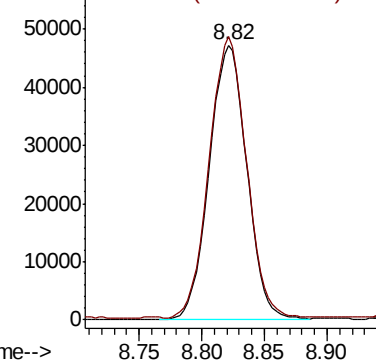
#44

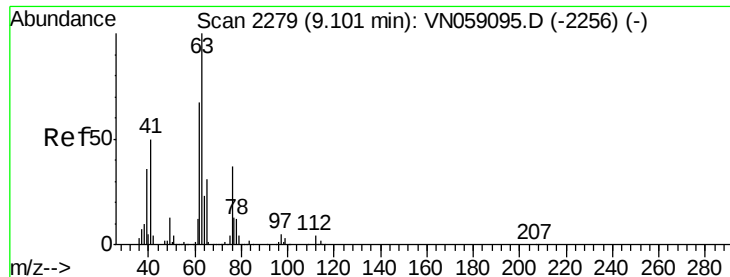
Trichloroethene
 Concen: 20.620 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	130	Resp	98512
Ion Ratio	Lower	Upper	
130	100		
95	102.1	0.0	206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059230.D (-2192) (-)





#45

1,2-Dichloropropane

Concen: 21.096 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

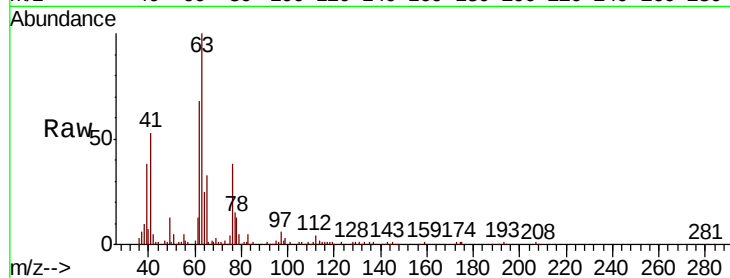
VN1114MBSD01

Tot Ion: 63 Resp: 111362

Ion Ratio Lower Upper

63 100

65 32.6 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0

9.10

60000

50000

40000

30000

20000

10000

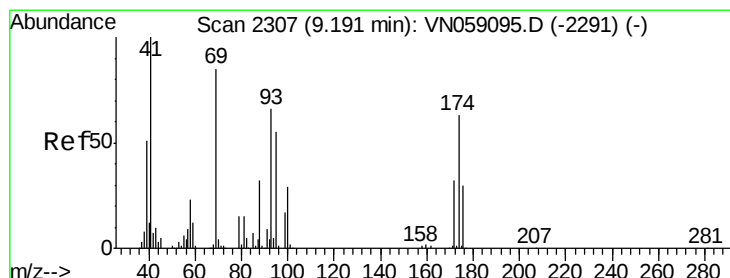
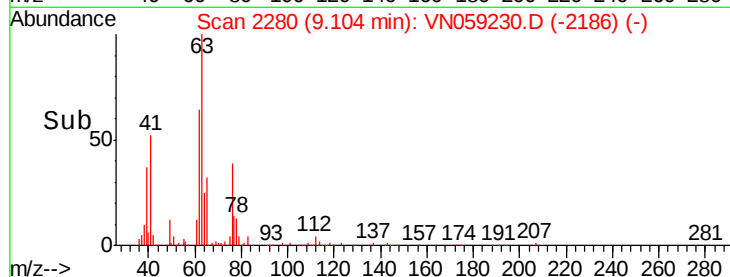
0

Time-->

9.00

9.10

9.20



#46

Dibromomethane

Concen: 20.680 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

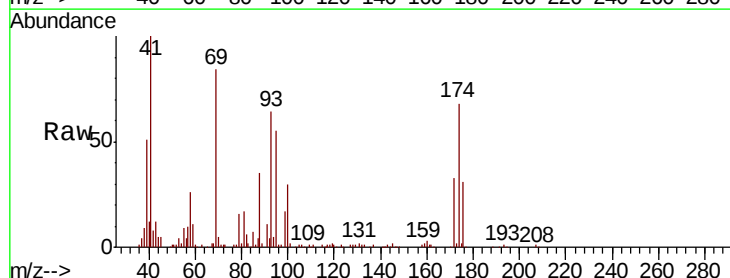
Tgt Ion: 93 Resp: 68028

Ion Ratio Lower Upper

93 100

95 82.0 66.6 100.0

174 99.7 78.2 117.2



Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

40000

30000

20000

10000

0

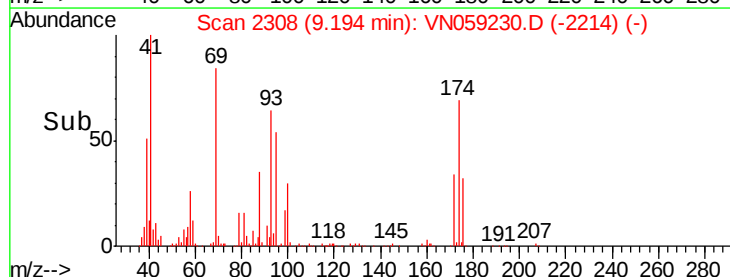
Time-->

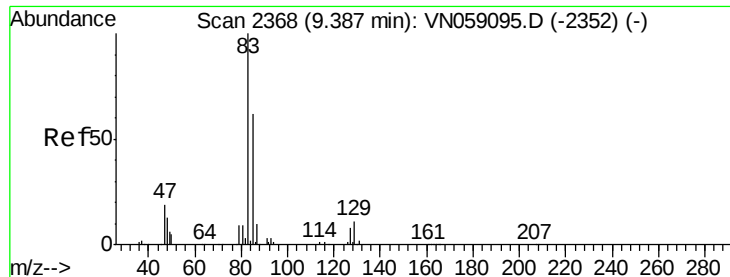
9.10

9.15

9.20

9.25





#47

Bromodichloromethane

Concen: 21.283 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

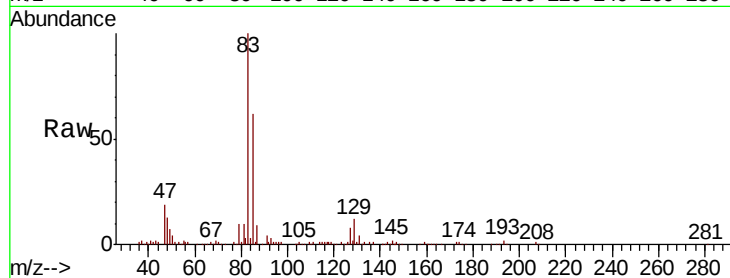
Tot Ion: 83 Resp: 139801

Ion Ratio Lower Upper

83 100

85 62.6 49.7 74.5

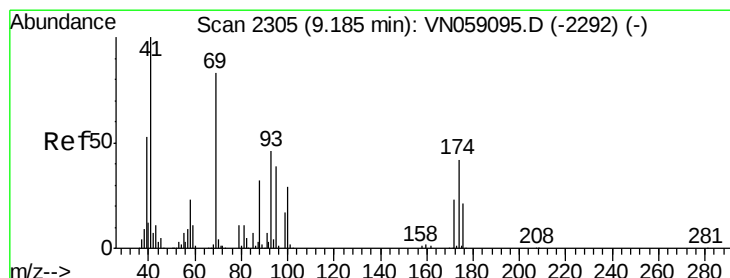
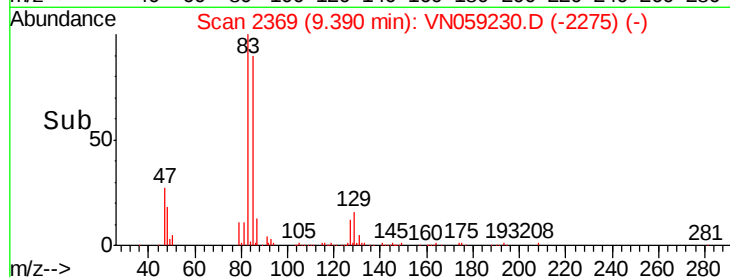
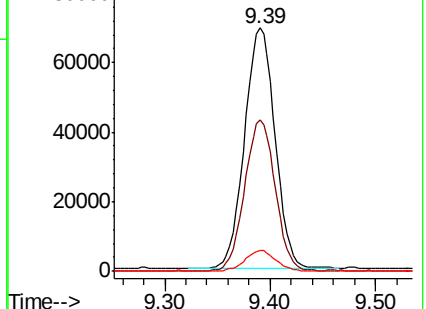
127 8.3 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 84.90 (84.60 to 85.60): VNC

Ion 126.80 (126.50 to 127.50): VNC



#48

Methyl methacrylate

Concen: 21.654 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

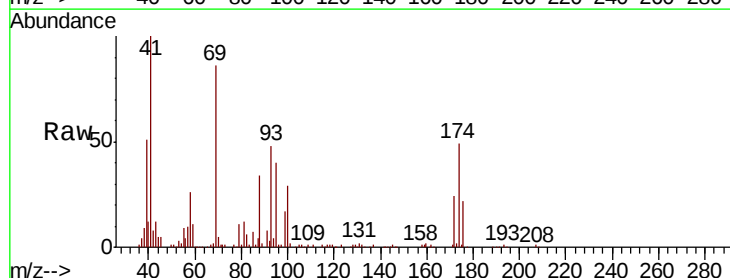
Tgt Ion: 41 Resp: 110865

Ion Ratio Lower Upper

41 100

69 87.4 67.3 100.9

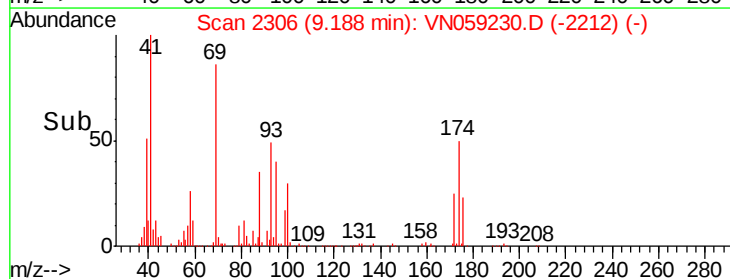
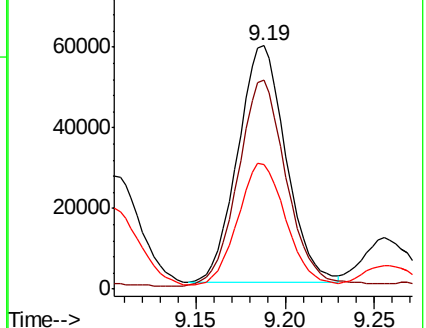
39 53.1 43.3 64.9



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC





#49

1,4-Dioxane

Concen: 482.456 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

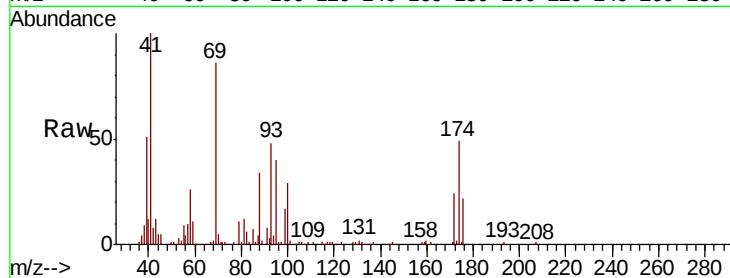
Tot Ion: 88 Resp: 43898

Ion Ratio Lower Upper

88 100

43 33.2 26.3 39.5

58 75.0 60.6 90.8

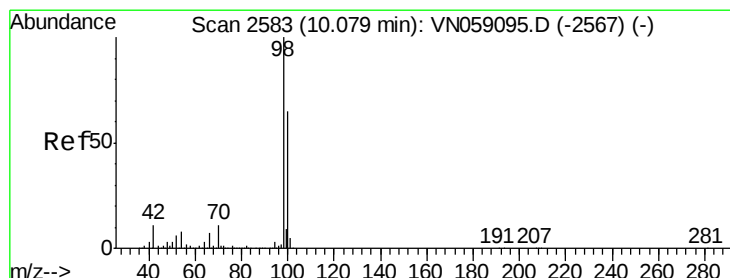
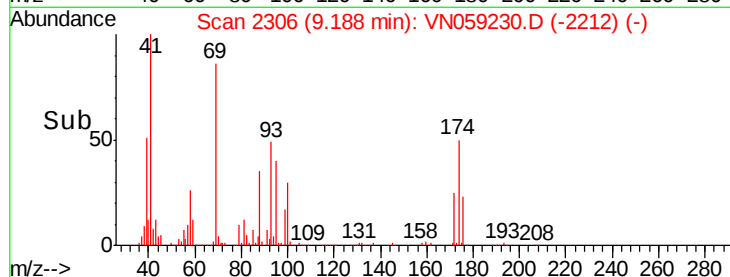
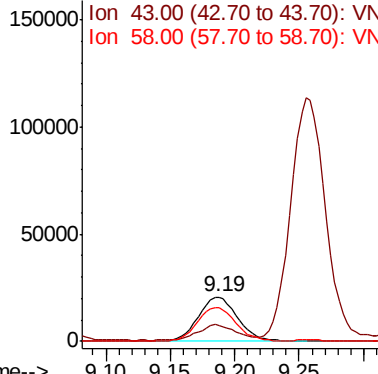


Abundance

Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.730 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059230.D

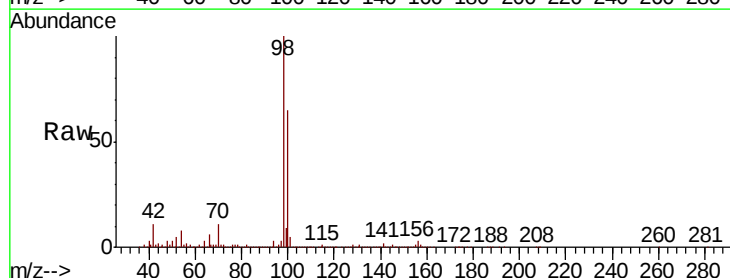
Acq: 14 Nov 2019 13:53

Tgt Ion: 98 Resp: 823822

Ion Ratio Lower Upper

98 100

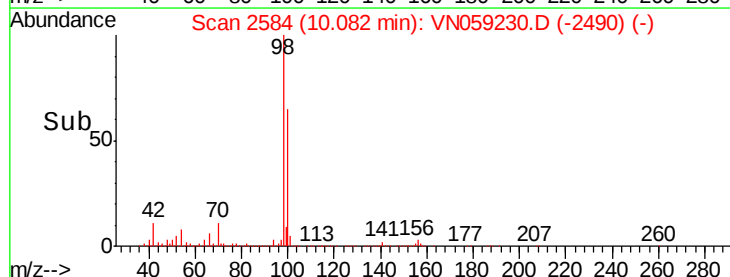
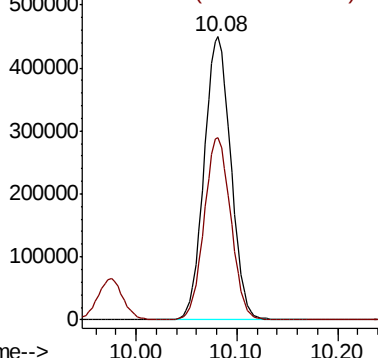
100 64.3 52.2 78.2

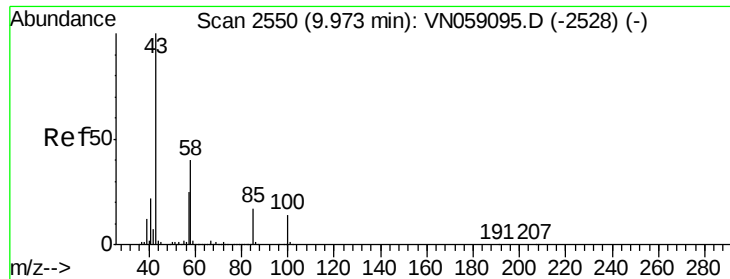


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

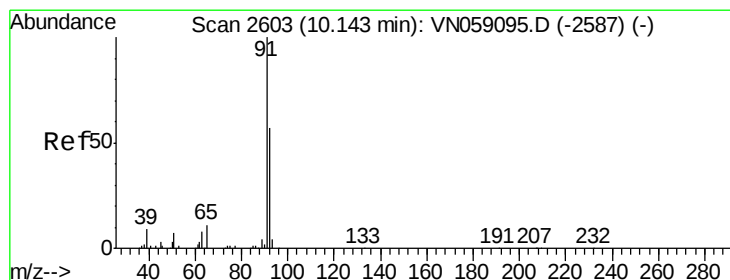
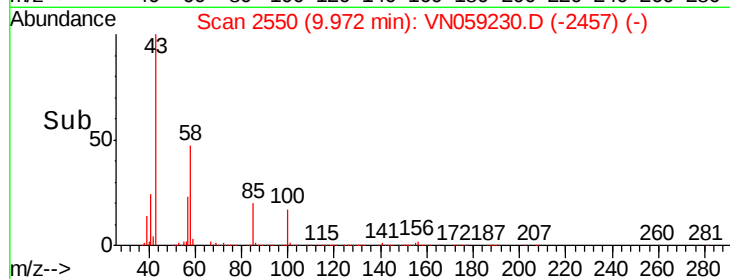
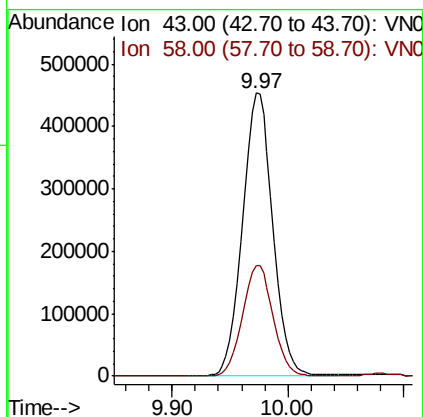
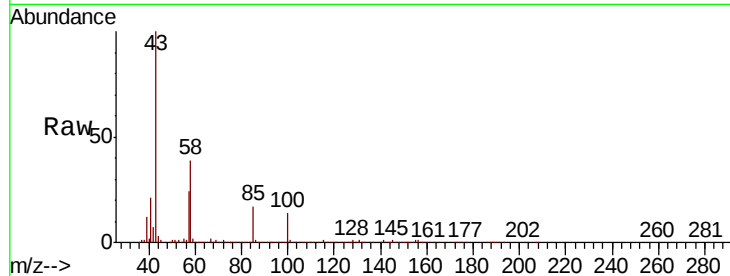




#51
 4-Methyl-2-Pentanone
 Concen: 126.393 ug/l
 RT: 9.97 min Scan# 2550
 Delta R.T. -0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

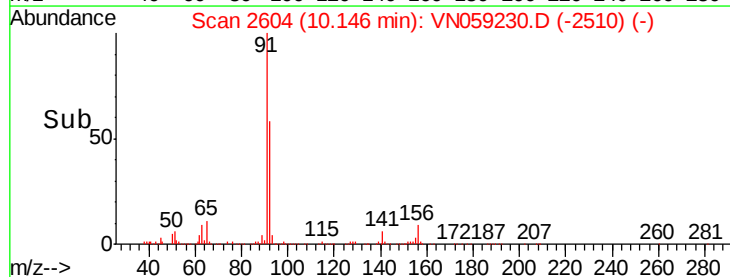
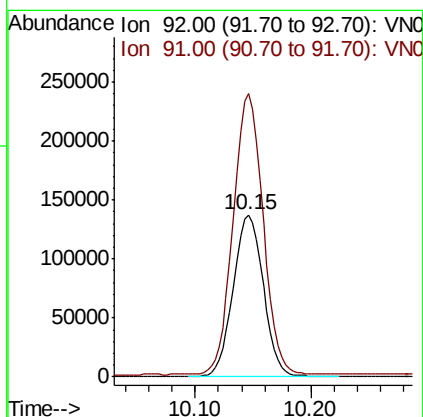
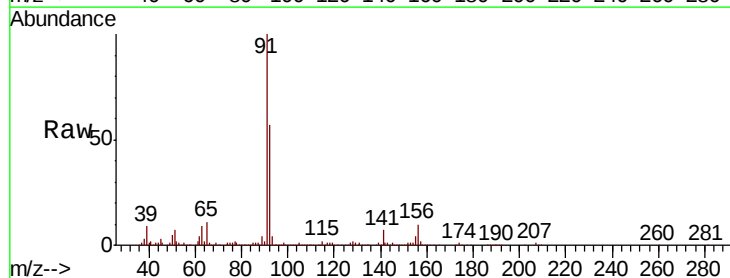
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Tot Ion: 43 Resp: 818605
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.5 47.3



#52
 Toluene
 Concen: 21.162 ug/l
 RT: 10.15 min Scan# 2604
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion: 92 Resp: 246508
 Ion Ratio Lower Upper
 92 100
 91 172.3 139.5 209.3





#53

t-1,3-Dichloropropene

Concen: 21.110 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

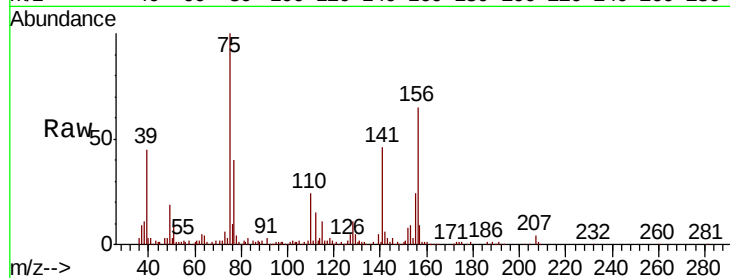
VN1114MBSD01

Tot Ion: 75 Resp: 160203

Ion Ratio Lower Upper

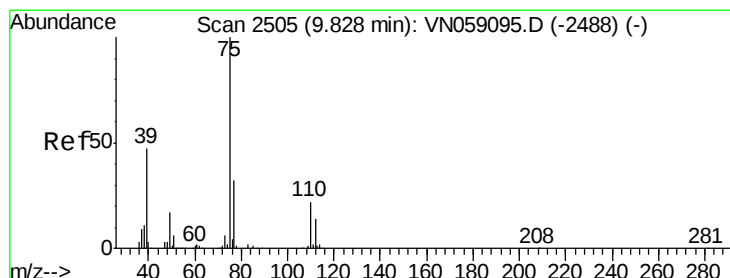
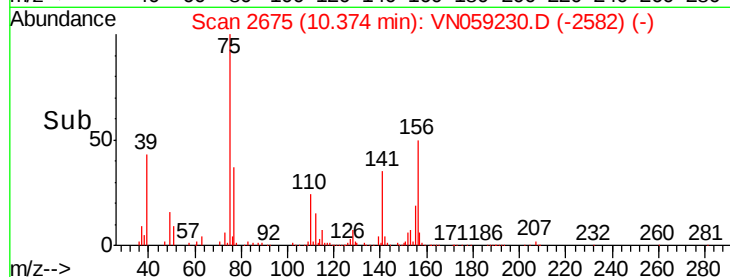
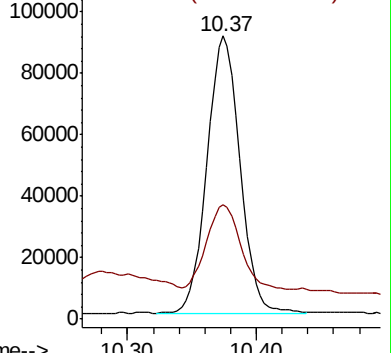
75 100

77 30.4 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.053 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

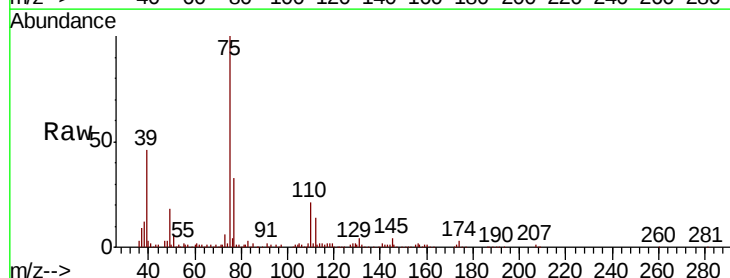
Tgt Ion: 75 Resp: 171861

Ion Ratio Lower Upper

75 100

77 31.5 25.5 38.3

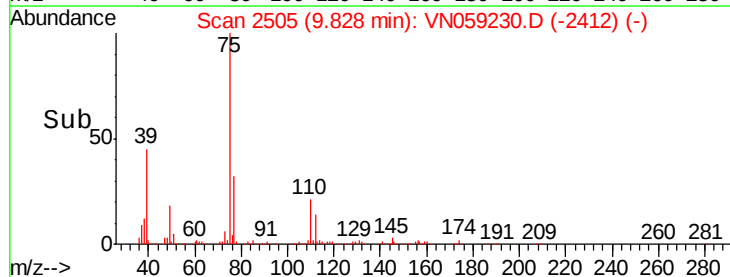
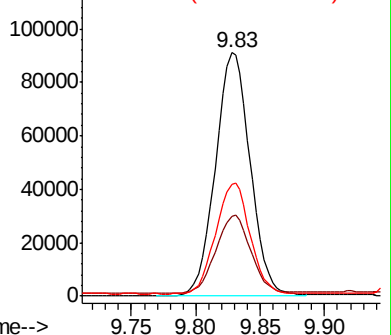
39 44.7 37.3 55.9

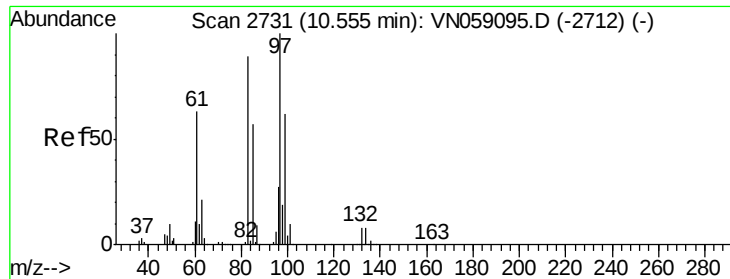


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

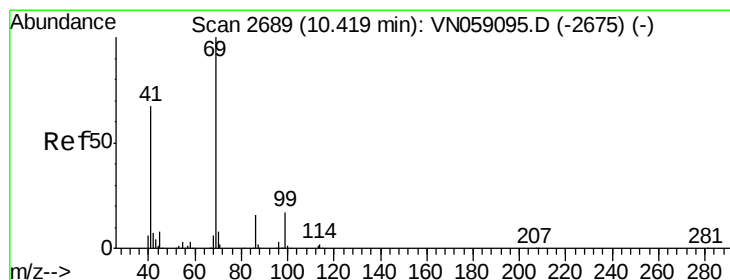
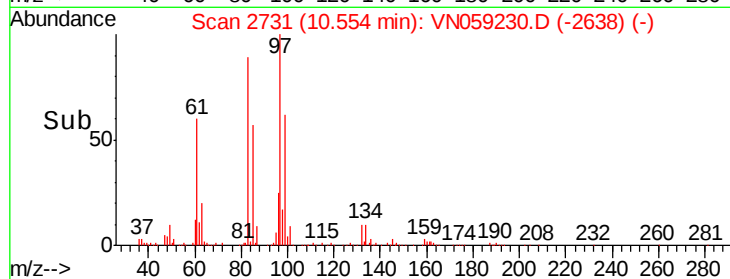
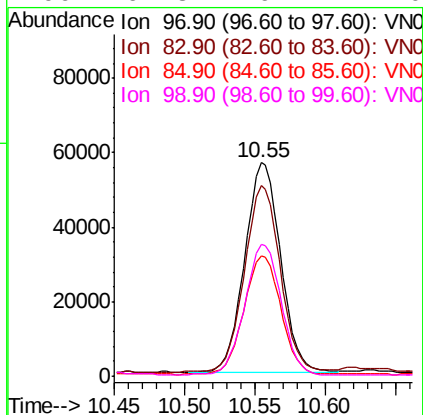
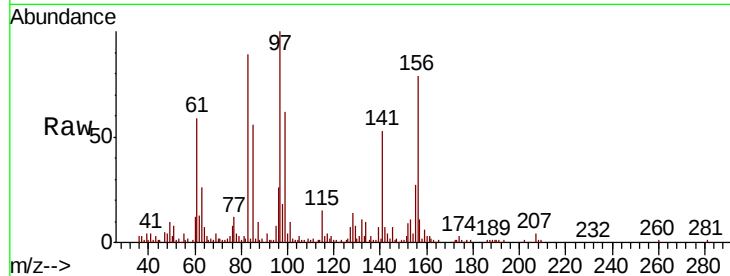




#55
 1,1,2-Trichloroethane
 Concen: 21.274 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. -0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

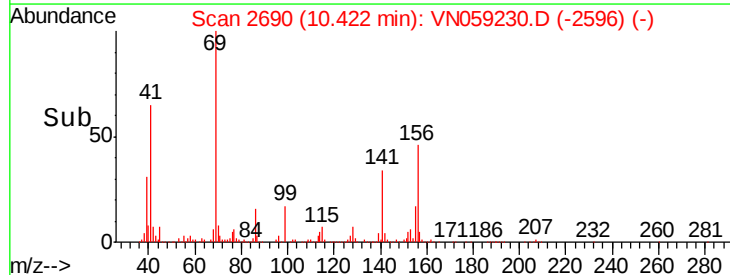
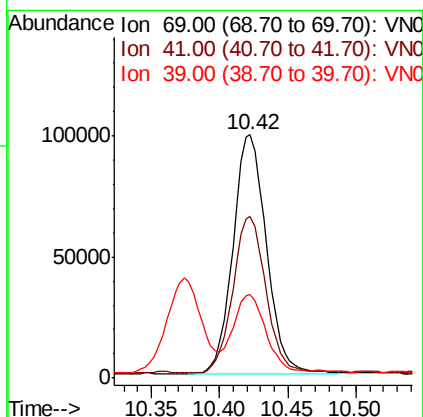
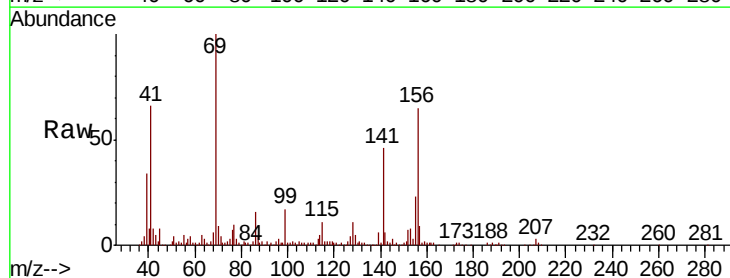
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

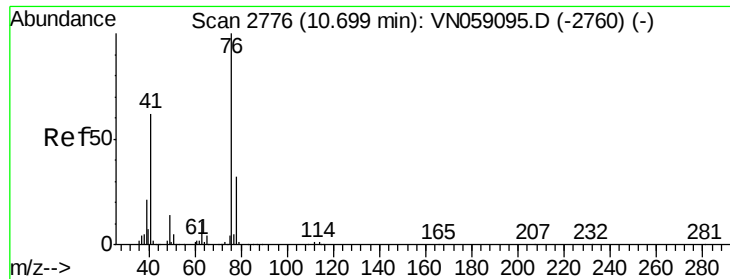
Tot Ion:	97	Resp:	100295
Ion	Ratio	Lower	Upper
97	100		
83	88.5	71.0	106.4
85	56.3	45.8	68.8
99	62.3	49.4	74.0



#56
 Ethyl methacrylate
 Concen: 22.446 ug/l
 RT: 10.42 min Scan# 2690
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion:	69	Resp:	168062
Ion	Ratio	Lower	Upper
69	100		
41	64.0	53.6	80.4
39	30.8	26.2	39.4





#57

1,3-Dichloropropane

Concen: 21.889 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

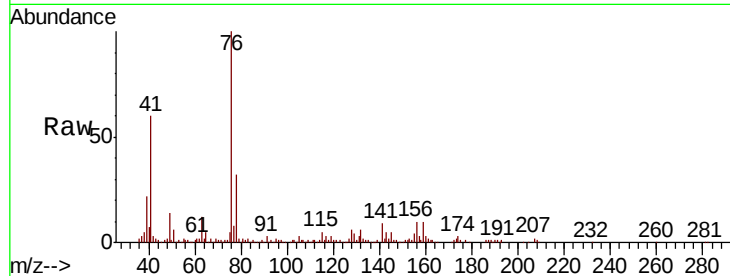
VN1114MBSD01

Tot Ion: 76 Resp: 177606

Ion Ratio Lower Upper

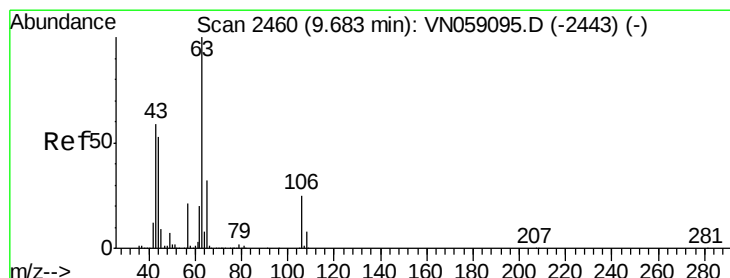
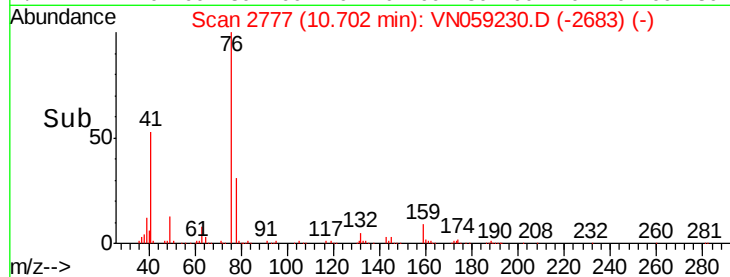
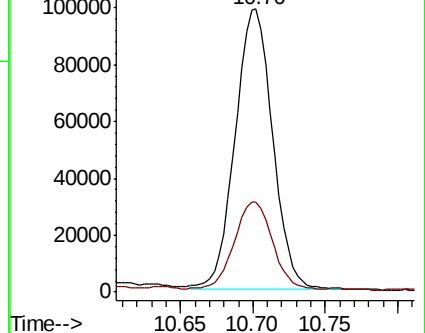
76 100

78 31.2 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 119.799 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059230.D

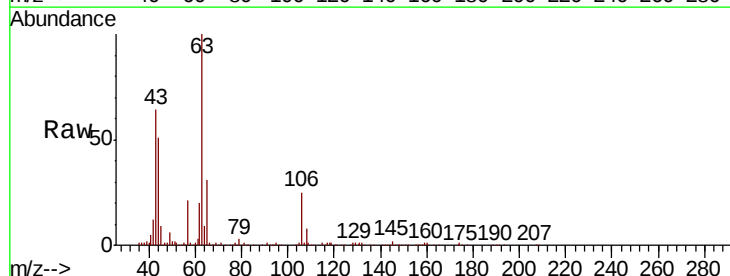
Acq: 14 Nov 2019 13:53

Tgt Ion: 63 Resp: 314311

Ion Ratio Lower Upper

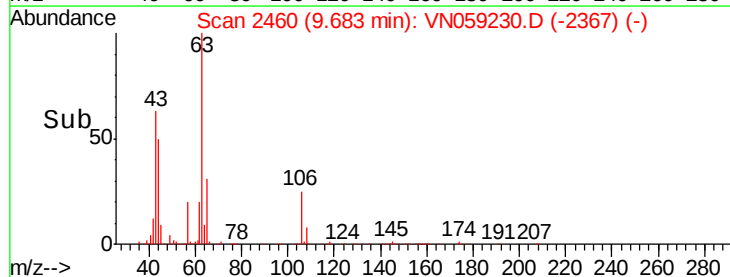
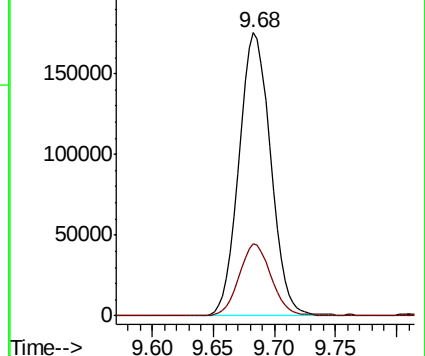
63 100

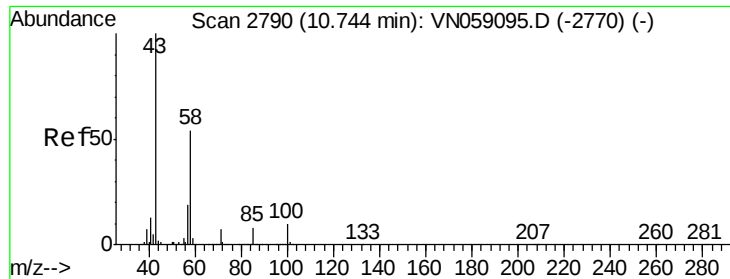
106 25.3 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

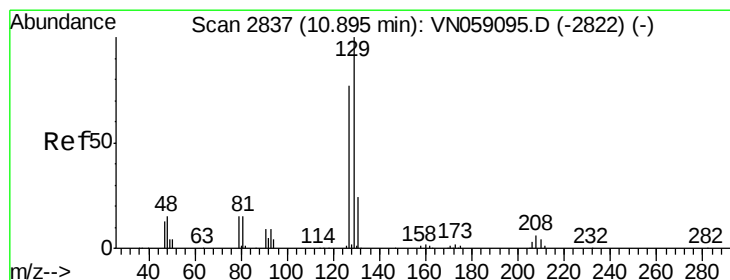
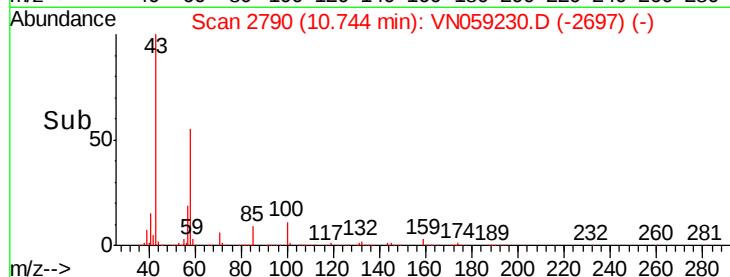
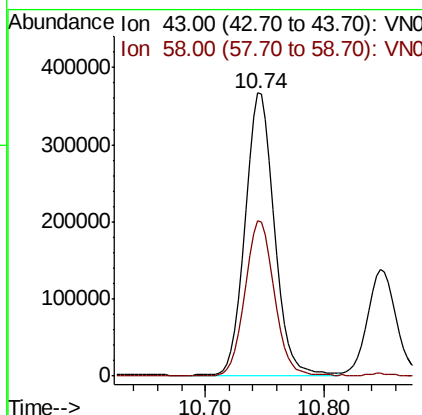
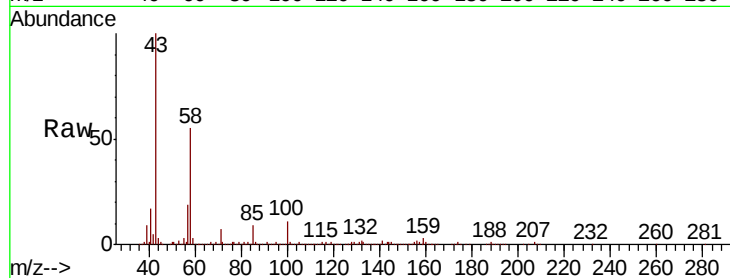




#59
2-Hexanone
Concen: 124.614 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

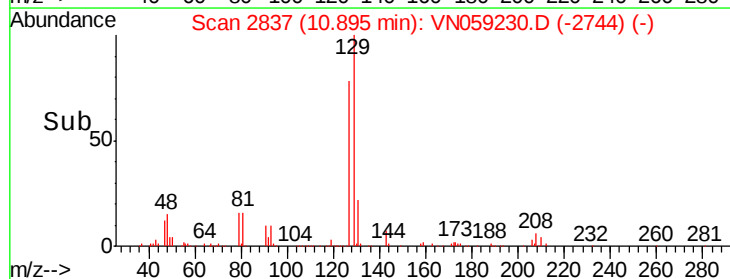
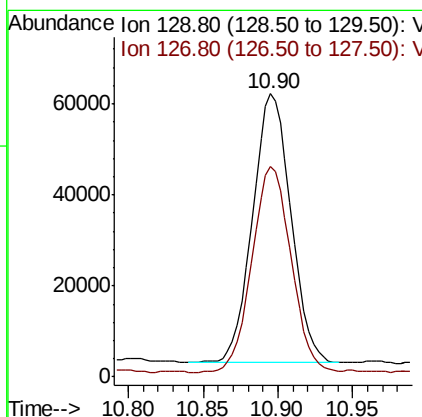
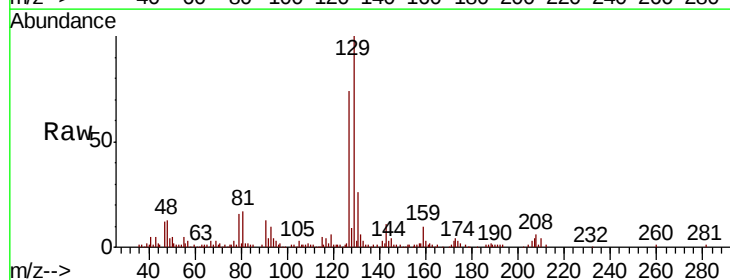
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

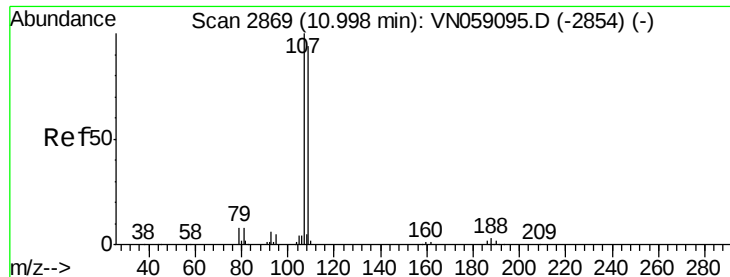
Tot Ion: 43 Resp: 619470
Ion Ratio Lower Upper
43 100
58 55.4 27.3 81.8



#60
Dibromochloromethane
Concen: 21.064 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion: 129 Resp: 104991
Ion Ratio Lower Upper
129 100
127 78.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 21.618 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

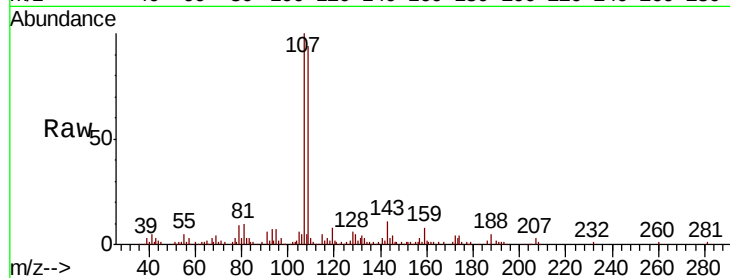
VN1114MBSD01

Tot Ion:107 Resp: 103169

Ion Ratio Lower Upper

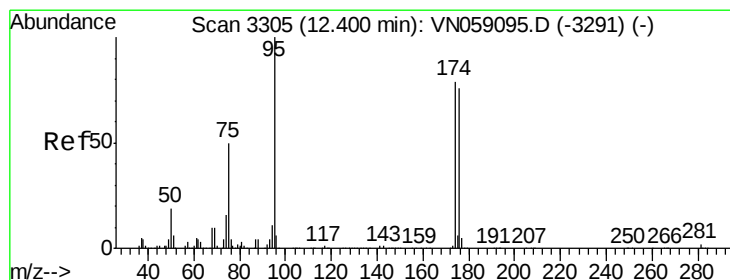
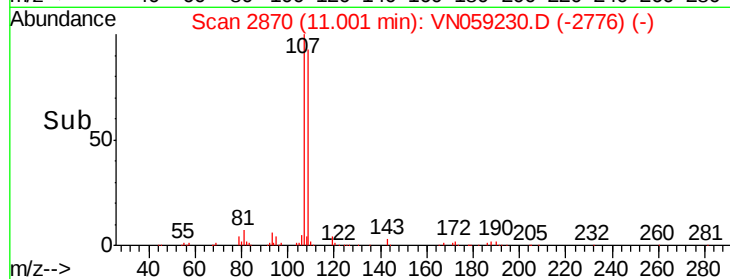
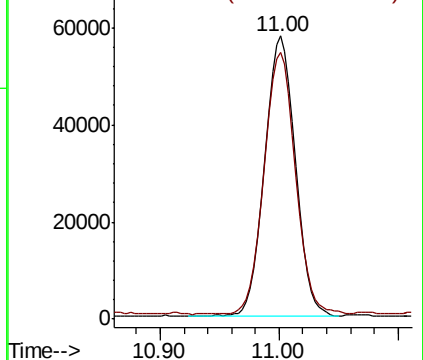
107 100

109 94.4 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 53.343 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

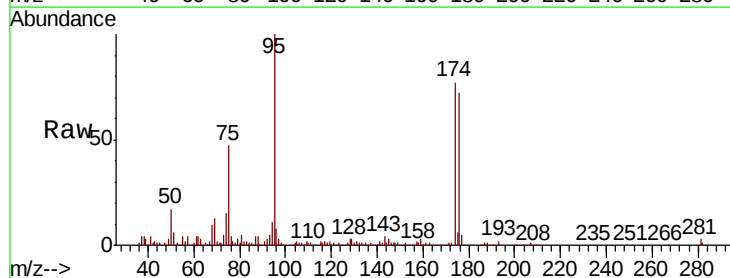
Tgt Ion: 95 Resp: 312338

Ion Ratio Lower Upper

95 100

174 78.7 0.0 158.2

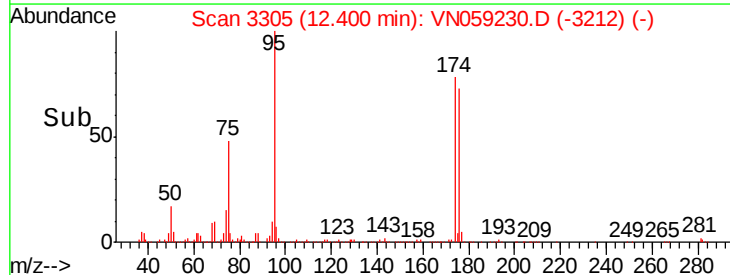
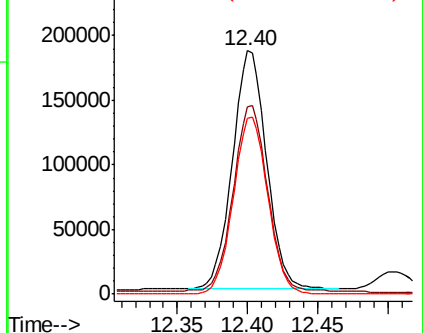
176 75.2 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

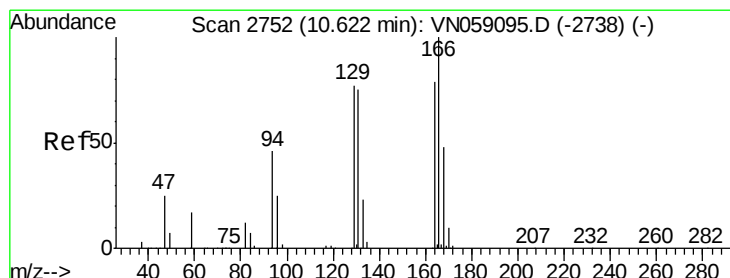
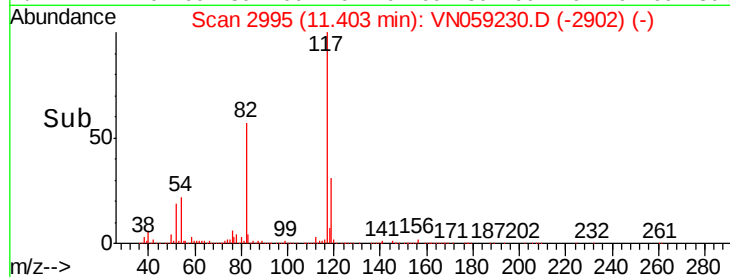
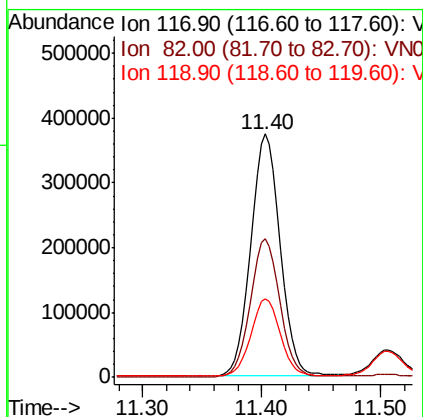
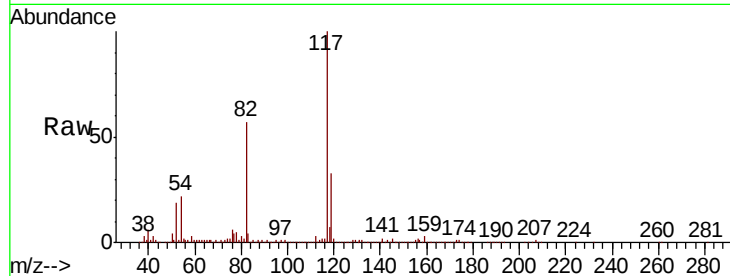




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

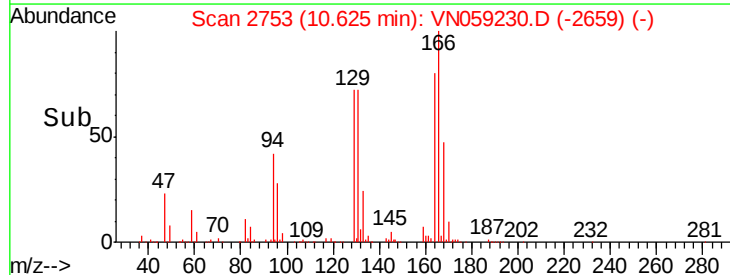
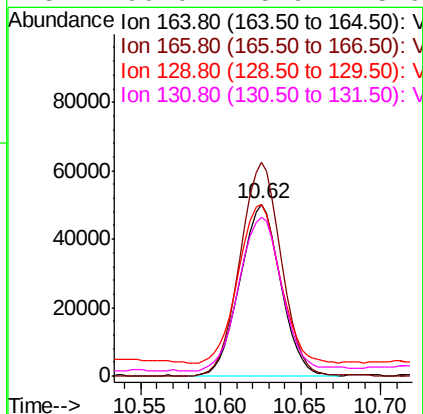
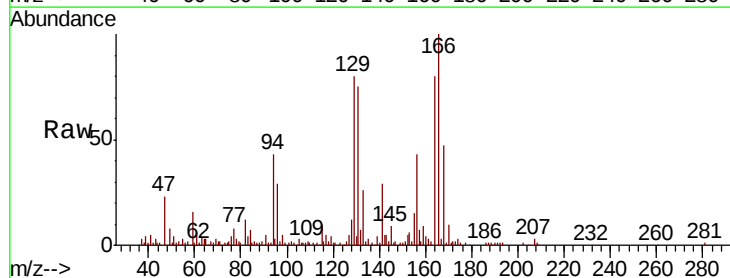
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

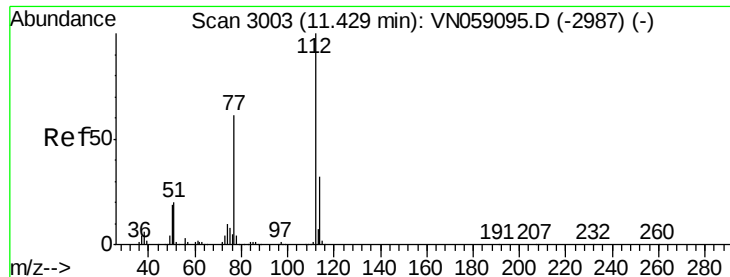
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.8	68.8
119	32.1	25.8	38.6



#64
Tetrachloroethene
Concen: 20.071 ug/l
RT: 10.62 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.5	101.5	152.3
129	92.4	78.3	117.5
131	90.0	75.9	113.9





#65

Chlorobenzene

Concen: 21.193 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

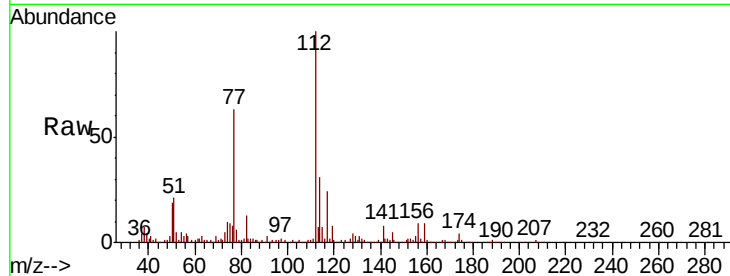
VN1114MBSD01

Tot Ion:112 Resp: 264345

Ion Ratio Lower Upper

112 100

114 31.0 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

150000

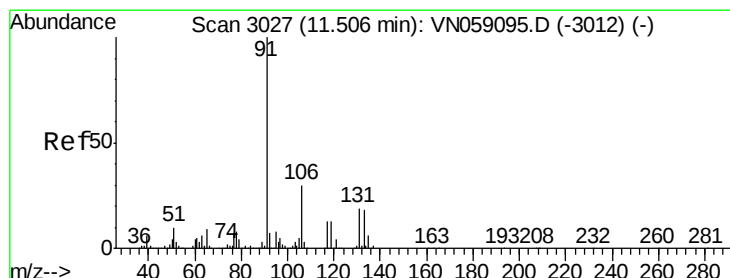
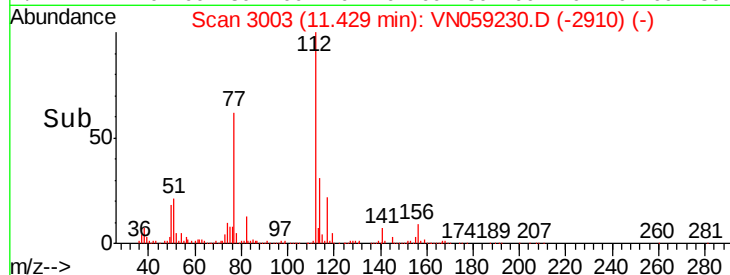
100000

50000

0

Time-->

11.40 11.50



#66

1,1,1,2-Tetrachloroethane

Concen: 21.289 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

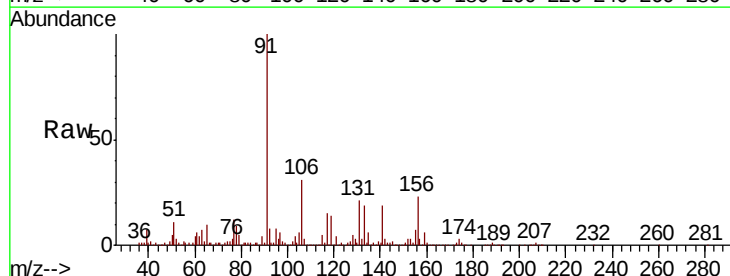
Tgt Ion:131 Resp: 99611

Ion Ratio Lower Upper

131 100

133 98.9 47.4 142.3

119 66.6 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

80000

60000

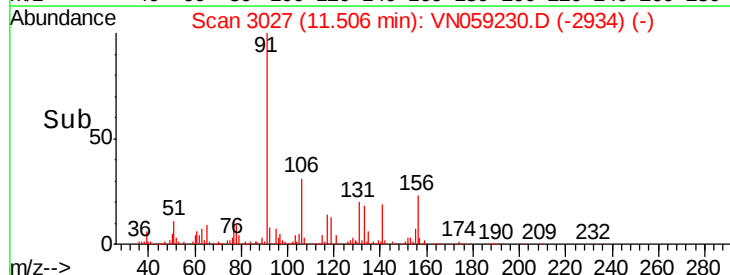
40000

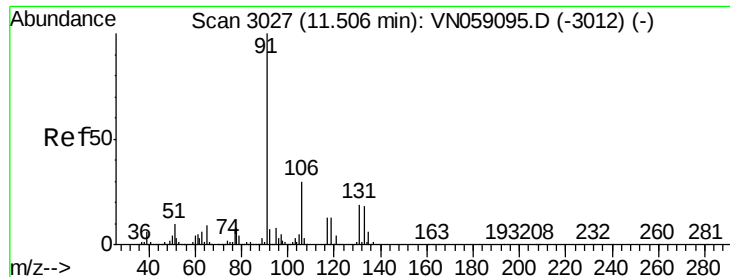
20000

0

Time-->

11.45 11.50 11.55





#67

Ethyl Benzene

Concen: 22.073 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

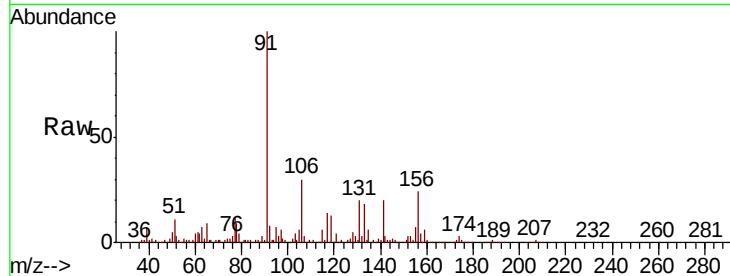
VN1114MBSD01

Tot Ion: 91 Resp: 488480

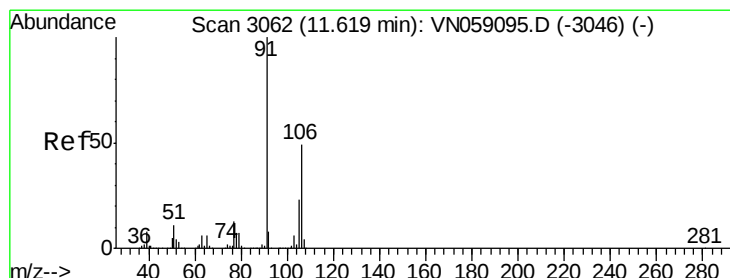
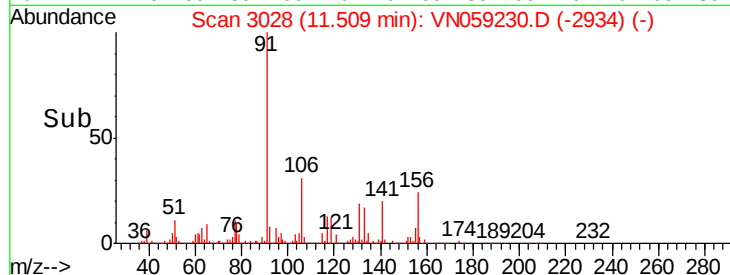
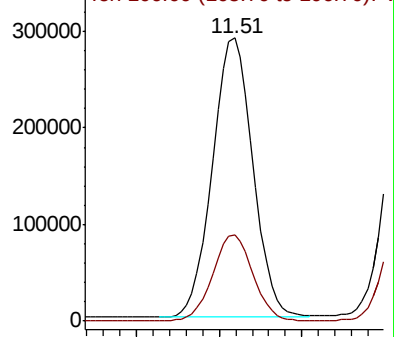
Ion Ratio Lower Upper

91 100

106 30.6 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)



#68

m/p-Xylenes

Concen: 43.390 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059230.D

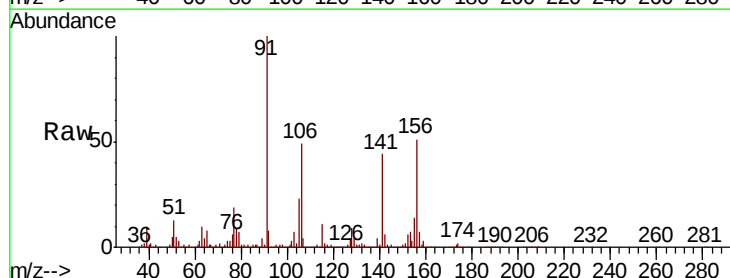
Acq: 14 Nov 2019 13:53

Tgt Ion: 106 Resp: 359684

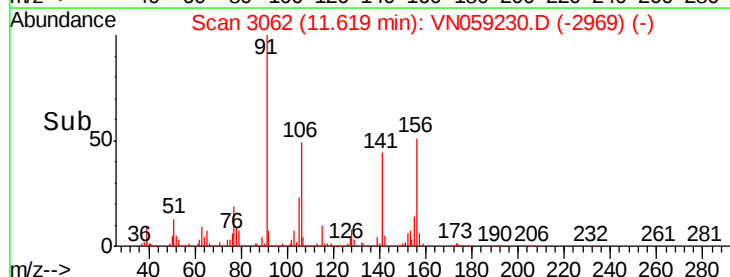
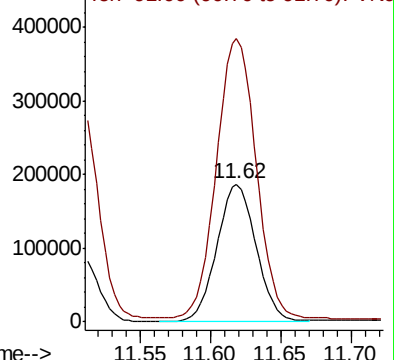
Ion Ratio Lower Upper

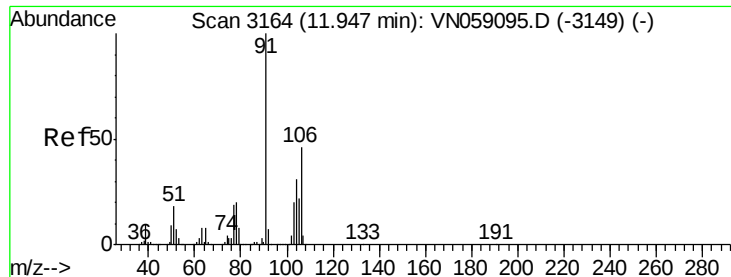
106 100

91 208.5 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)

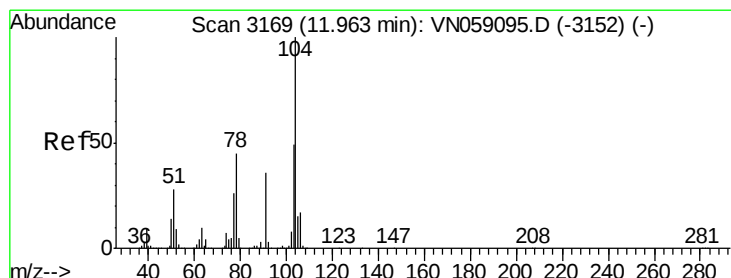
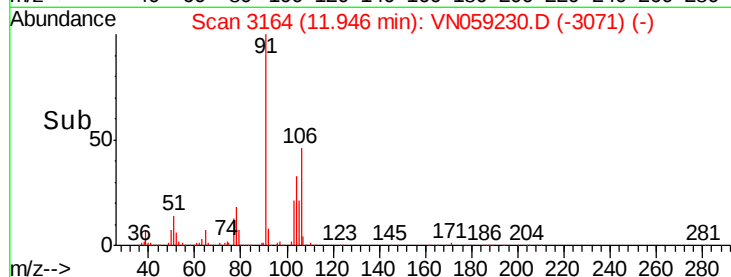
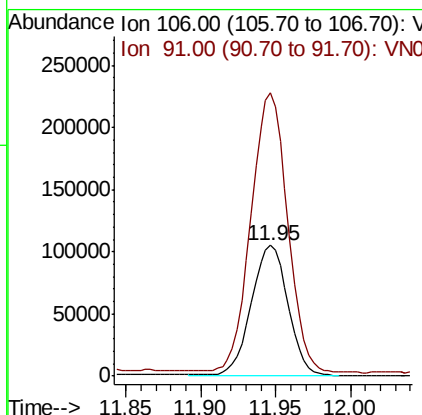
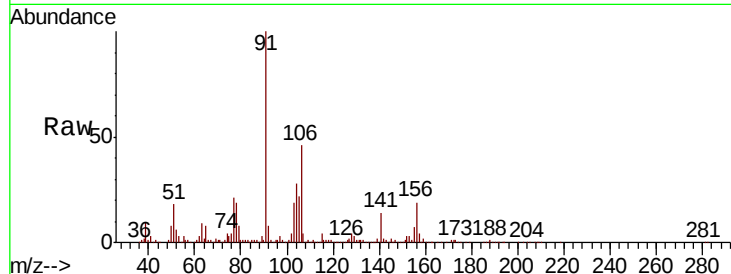




#69
o-Xylene
Concen: 22.059 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

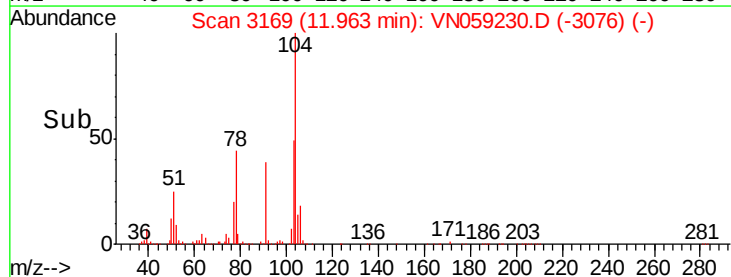
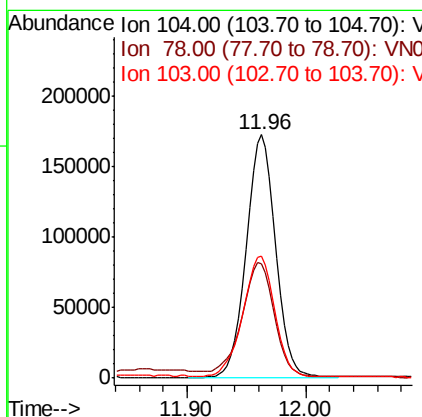
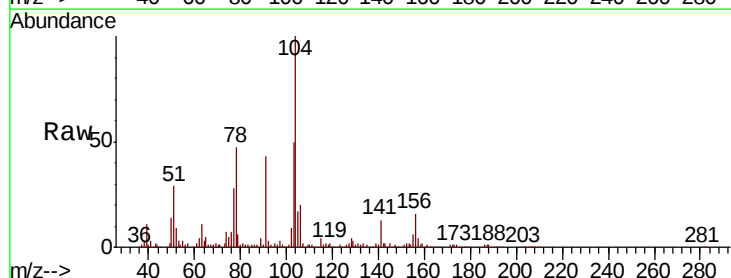
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

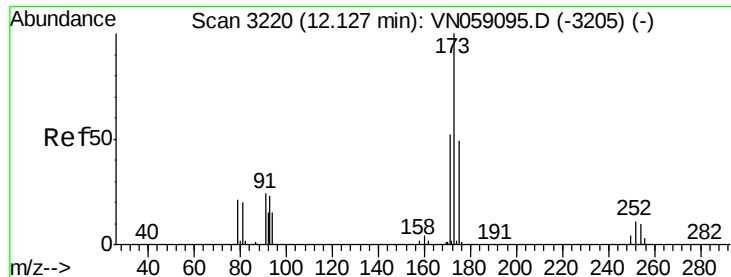
Tot Ion:106 Resp: 176713
Ion Ratio Lower Upper
106 100
91 216.9 110.1 330.3



#70
Styrene
Concen: 23.217 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion:104 Resp: 292517
Ion Ratio Lower Upper
104 100
78 52.6 41.2 61.8
103 54.5 43.8 65.6





#71

Bromoform

Concen: 22.277 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

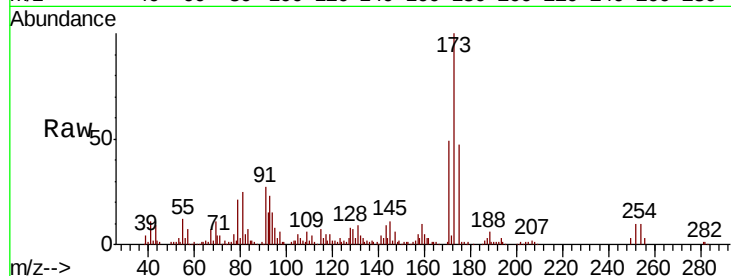
Tot Ion:173 Resp: 81074

Ion Ratio Lower Upper

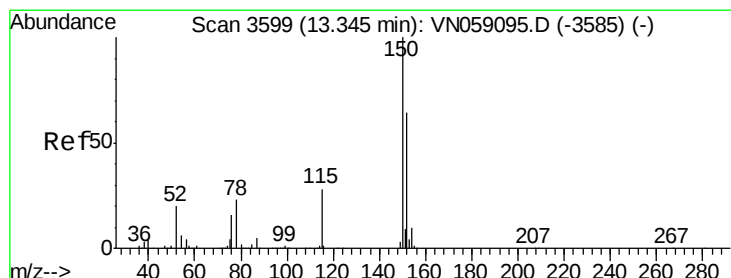
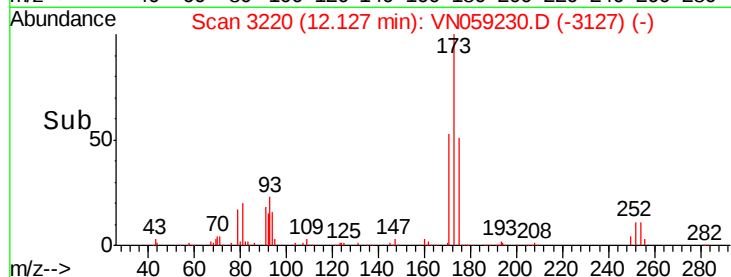
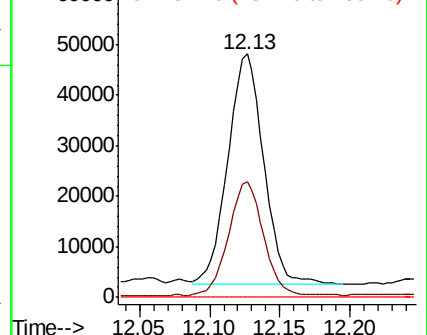
173 100

175 47.3 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# 3599

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

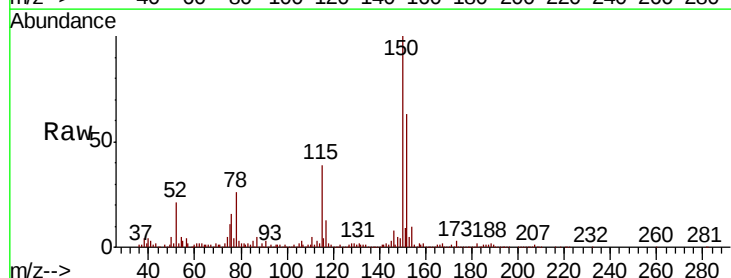
Tgt Ion:152 Resp: 304660

Ion Ratio Lower Upper

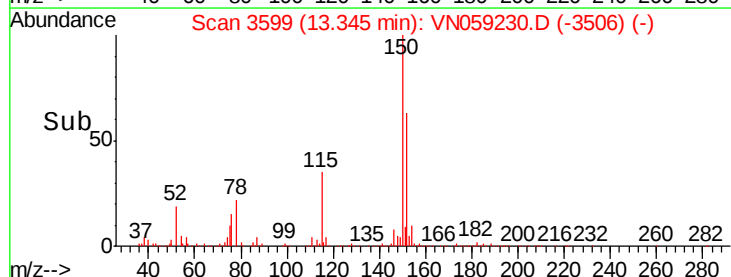
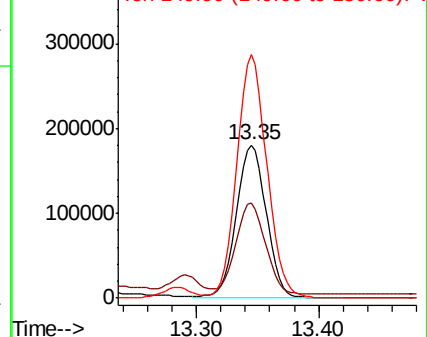
152 100

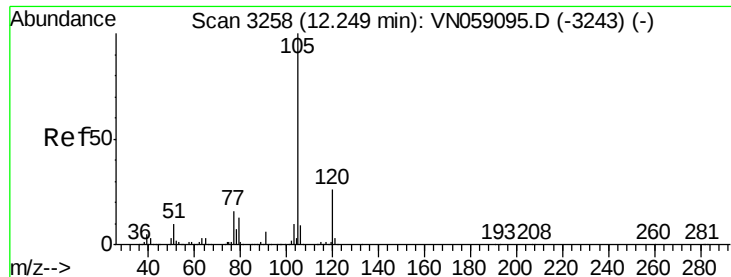
115 60.2 29.4 88.2

150 160.1 0.0 345.8



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 21.266 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

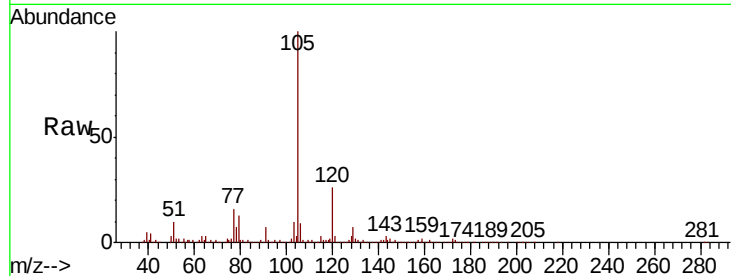
VN1114MBSD01

Tot Ion:105 Resp: 471267

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

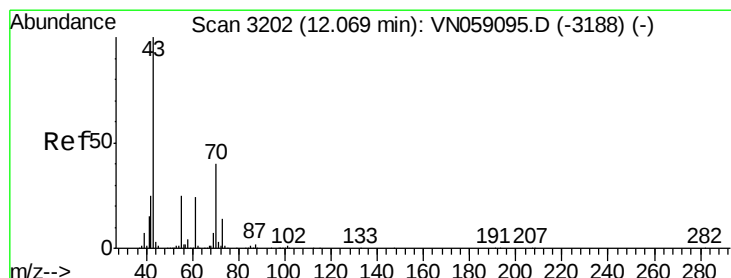
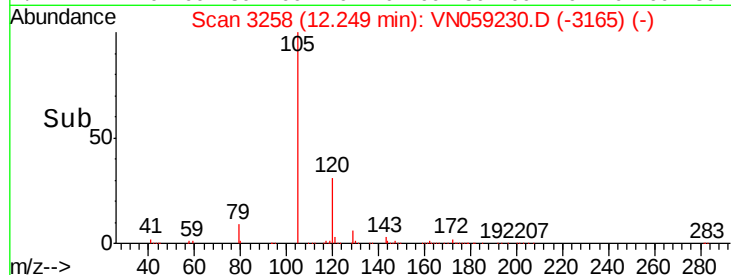
300000

200000

100000

0

Time--> 12.15 12.20 12.25 12.30



#74

N-ethyl acetate

Concen: 22.866 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Tgt Ion: 43 Resp: 214726

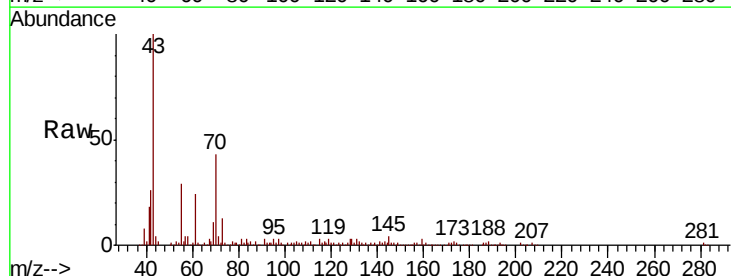
Ion Ratio Lower Upper

43 100

70 42.5 32.2 48.4

55 26.6 20.4 30.6

61 24.4 19.3 28.9



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

12.07

200000

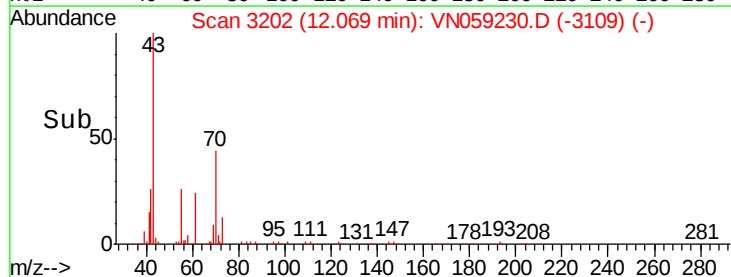
150000

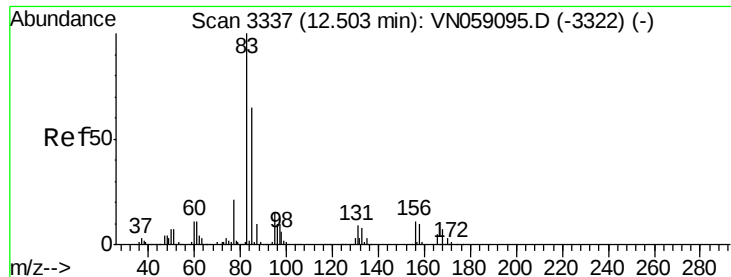
100000

50000

0

Time--> 12.00 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 21.558 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

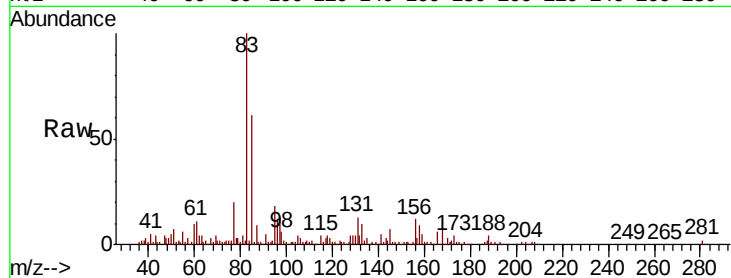
Tot Ion: 83 Resp: 162694

Ion Ratio Lower Upper

83 100

131 13.1 4.9 14.6

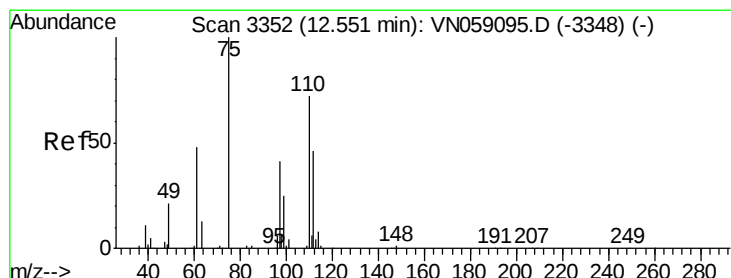
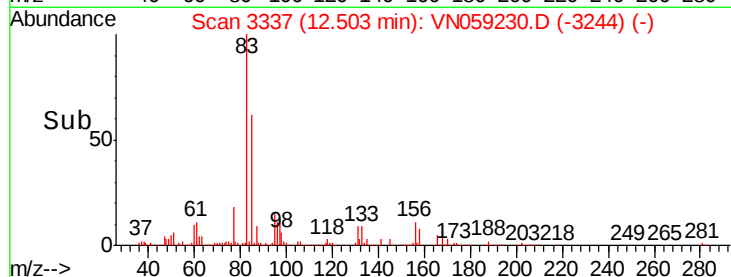
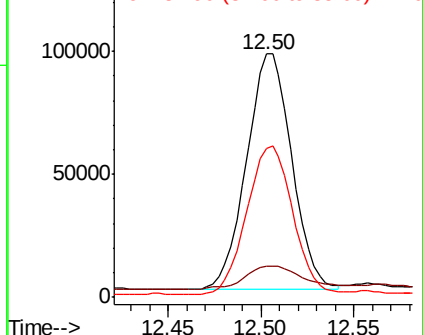
85 64.0 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059230.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059230.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059230.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 31.698 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059230.D

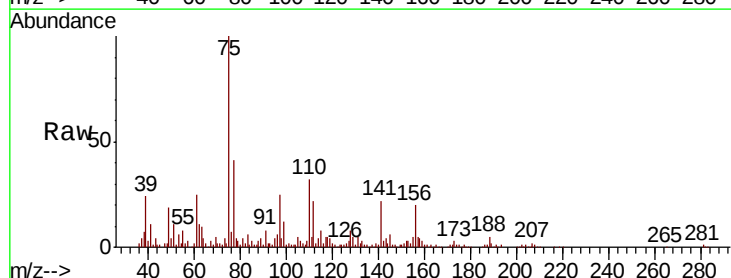
Acq: 14 Nov 2019 13:53

Tgt Ion: 75 Resp: 219857

Ion Ratio Lower Upper

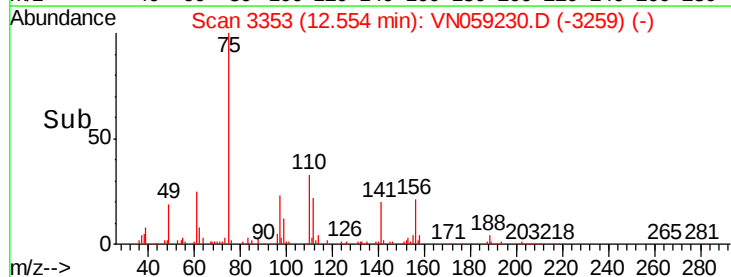
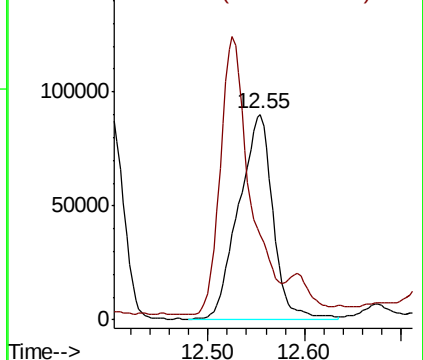
75 100

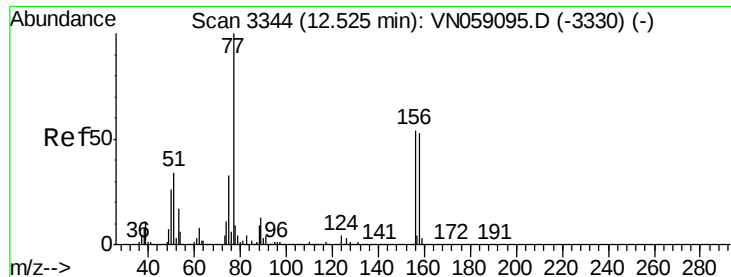
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059230.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN059230.D (-3352) (-)





#77

Bromobenzene

Concen: 24.462 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

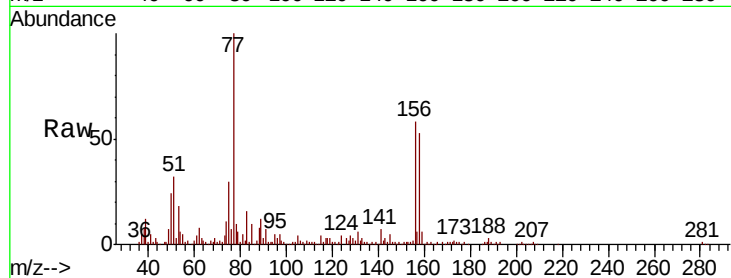
Tot Ion:156 Resp: 136201

Ion Ratio Lower Upper

156 100

77 190.8 112.8 338.3

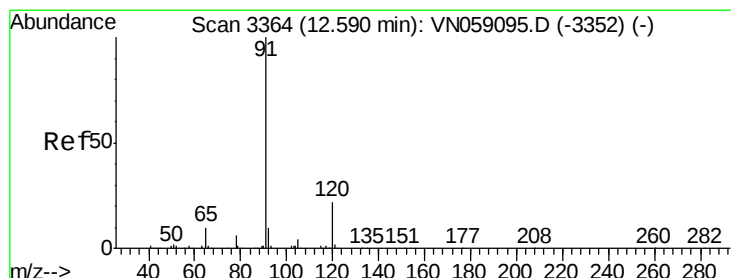
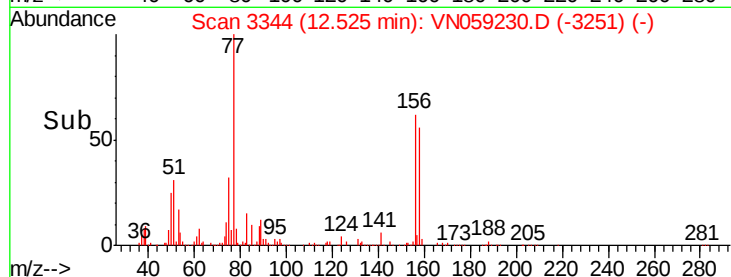
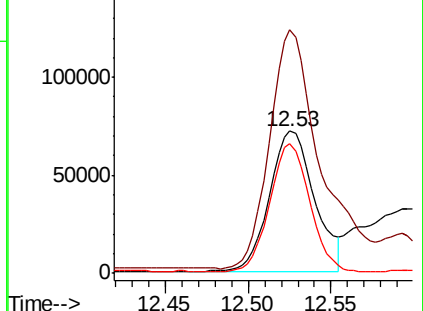
158 80.2 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.773 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059230.D

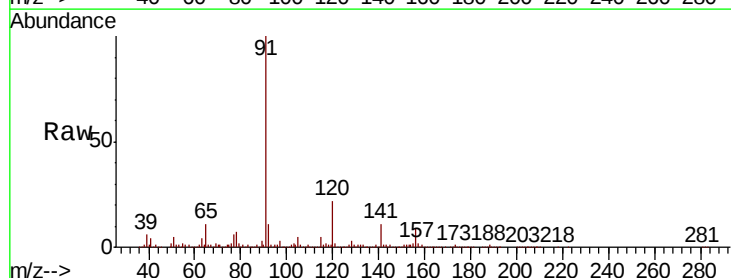
Acq: 14 Nov 2019 13:53

Tgt Ion: 91 Resp: 552474

Ion Ratio Lower Upper

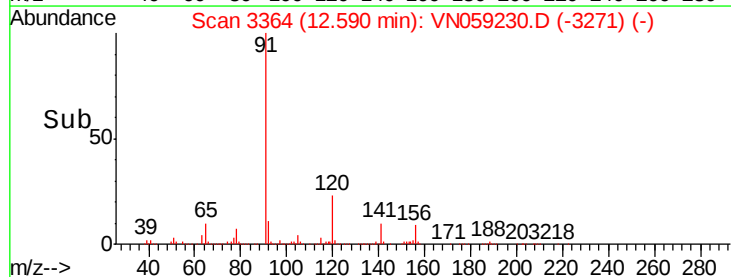
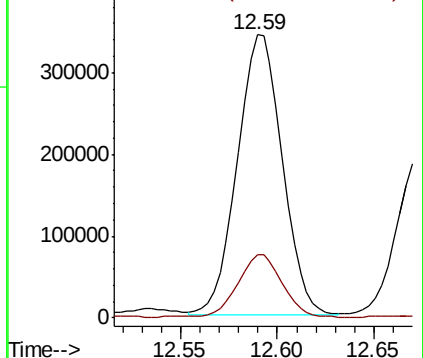
91 100

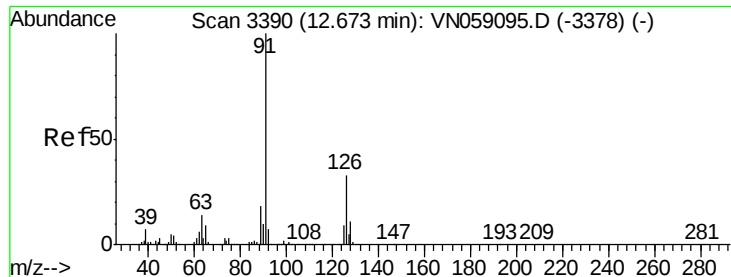
120 21.8 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.067 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

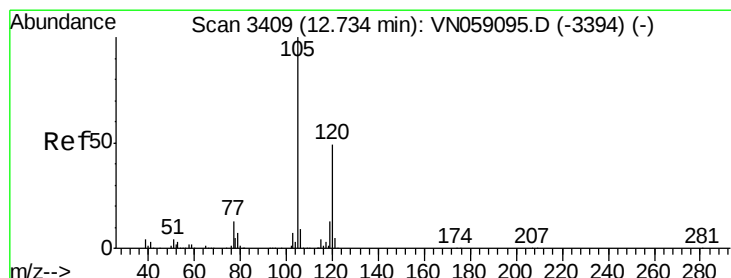
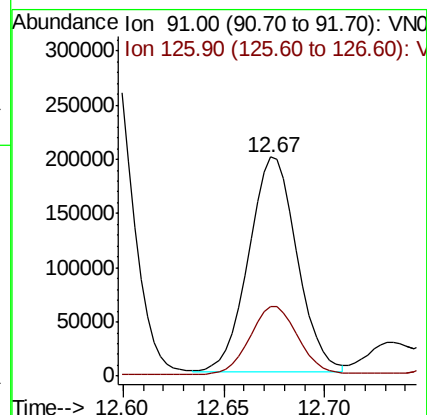
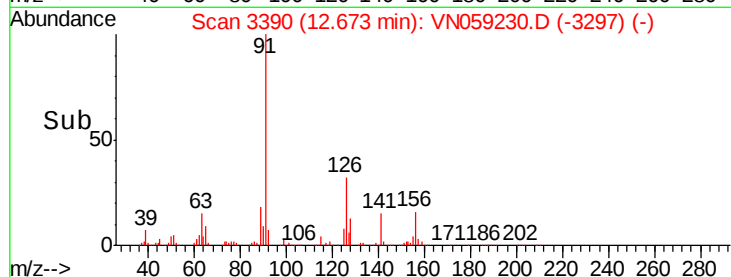
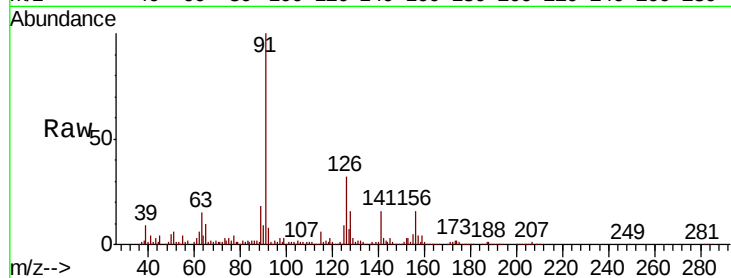
VN1114MBSD01

Tot Ion: 91 Resp: 331619

Ion Ratio Lower Upper

91 100

126 32.0 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 21.559 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059230.D

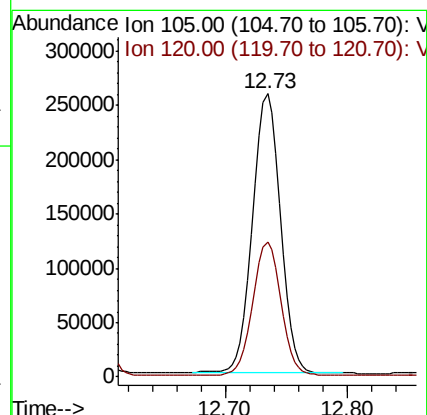
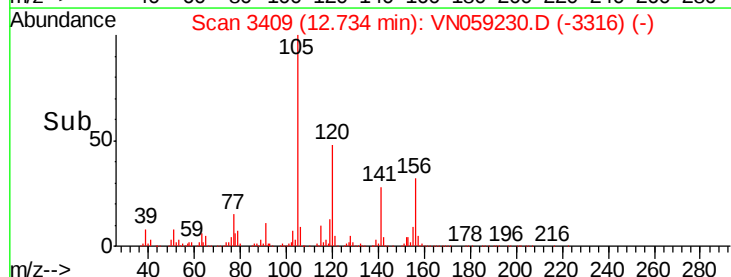
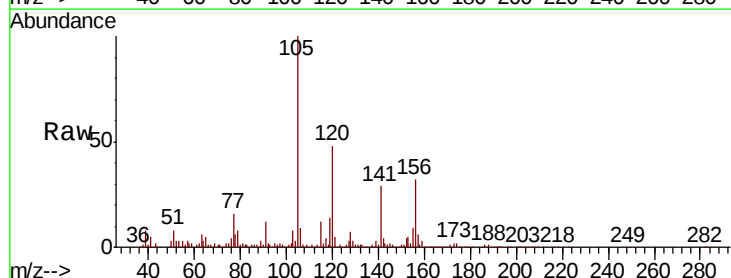
Acq: 14 Nov 2019 13:53

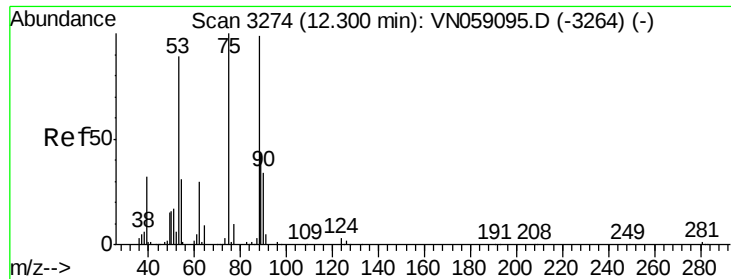
Tgt Ion:105 Resp: 404835

Ion Ratio Lower Upper

105 100

120 48.1 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.818 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

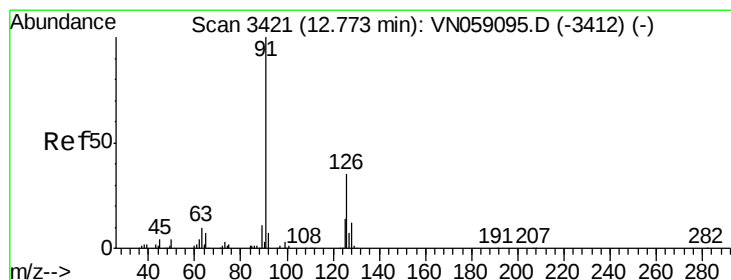
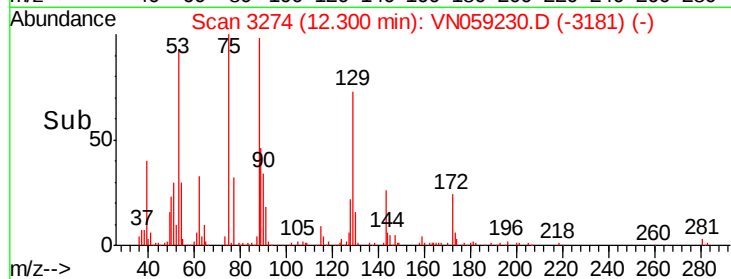
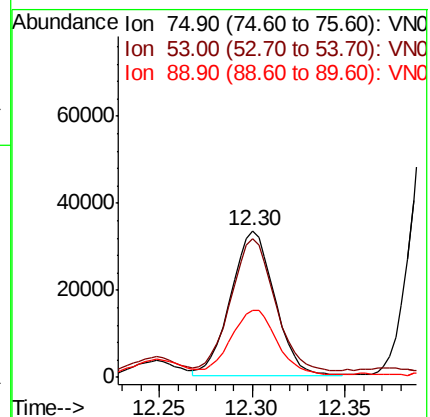
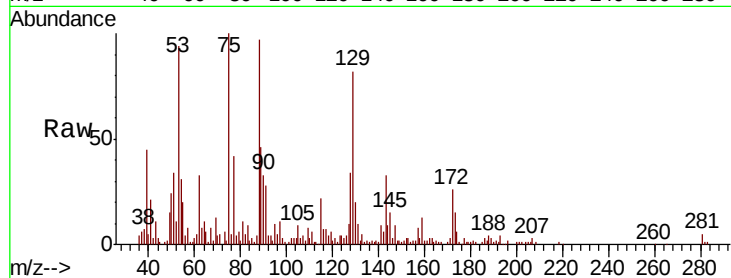
Tot Ion: 75 Resp: 54668

Ion Ratio Lower Upper

75 100

53 90.7 72.2 108.2

89 47.0 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.867 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059230.D

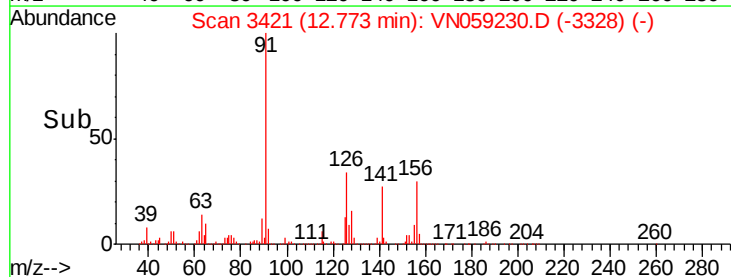
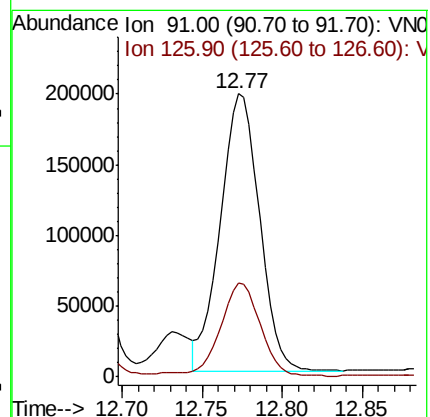
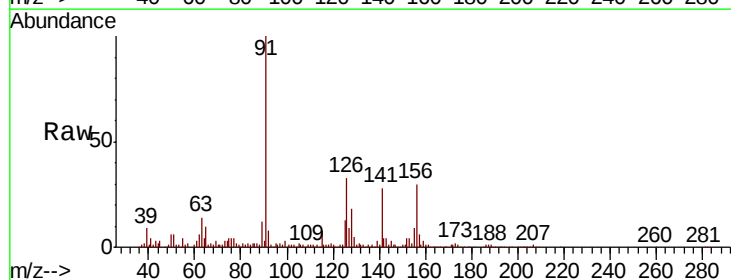
Acq: 14 Nov 2019 13:53

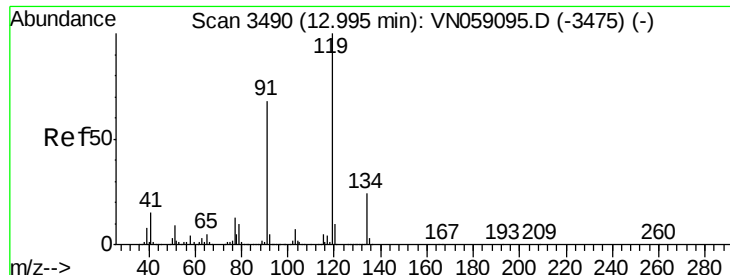
Tgt Ion: 91 Resp: 329447

Ion Ratio Lower Upper

91 100

126 34.0 16.1 48.2

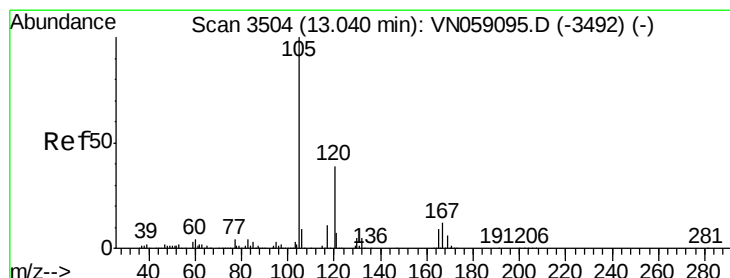
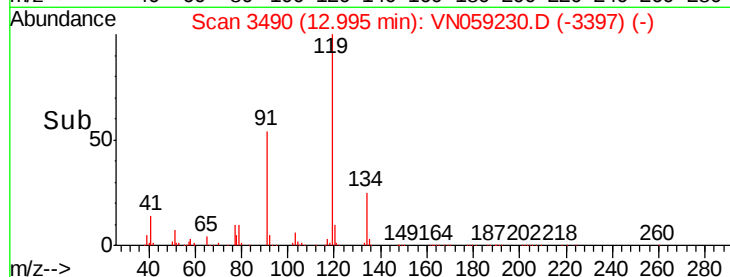
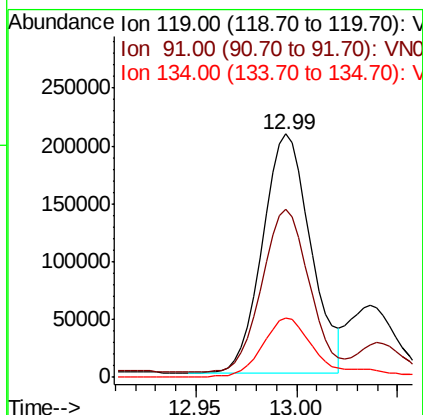
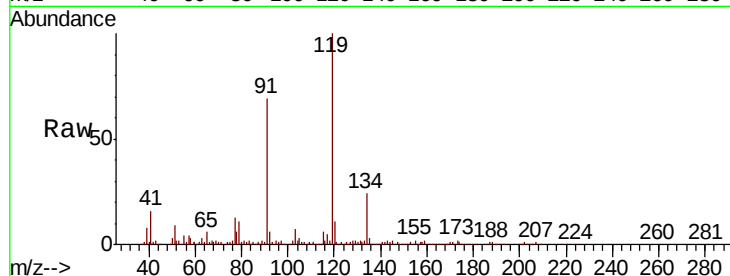




#83
tert-Butylbenzene
Concen: 21.169 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

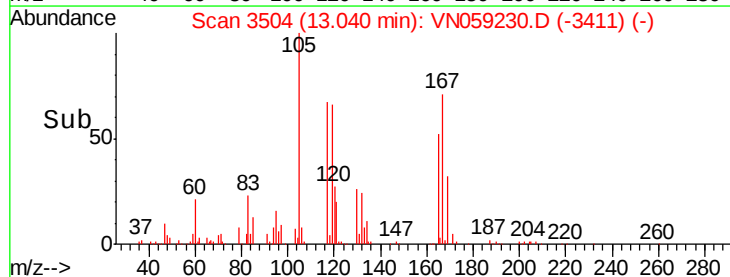
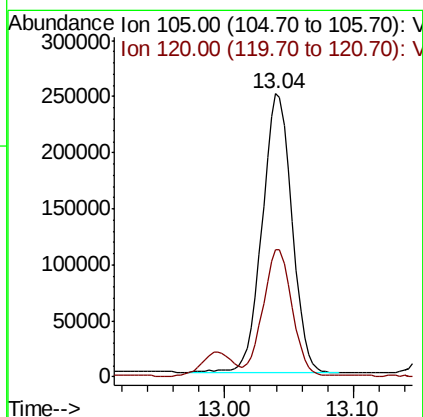
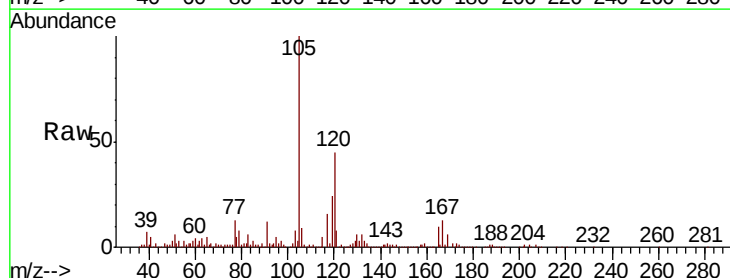
Instrument :
MSVOA_N
ClientSampleId :
VN1114MBSD01

Tot Ion:119 Resp: 343288
Ion Ratio Lower Upper
119 100
91 66.7 33.2 99.6
134 27.9 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 22.236 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059230.D
Acq: 14 Nov 2019 13:53

Tgt Ion:105 Resp: 403978
Ion Ratio Lower Upper
105 100
120 43.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.559 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

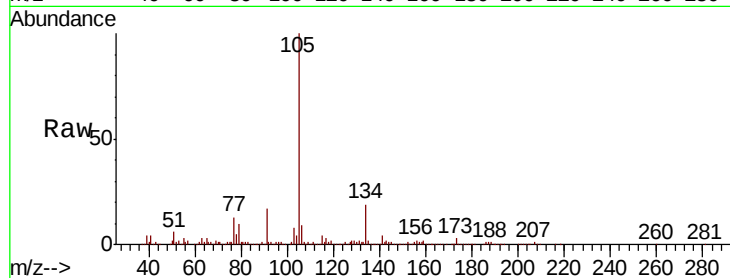
VN1114MBSD01

Tot Ion:105 Resp: 454687

Ion Ratio Lower Upper

105 100

134 19.6 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

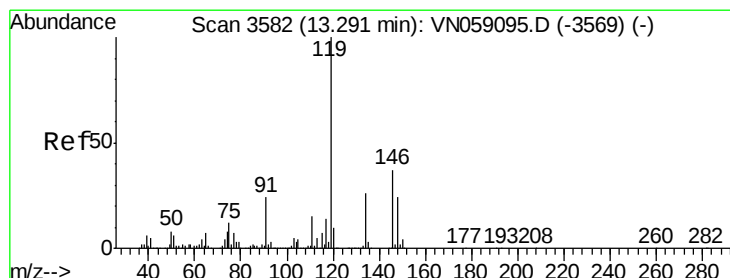
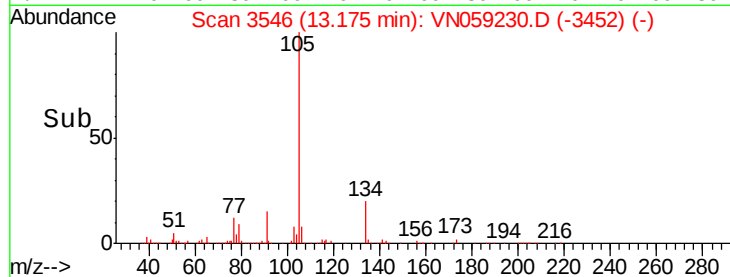
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 22.658 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

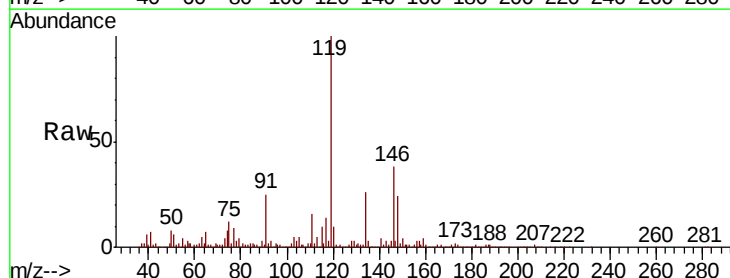
Tgt Ion:119 Resp: 421945

Ion Ratio Lower Upper

119 100

134 25.7 13.0 38.9

91 24.5 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

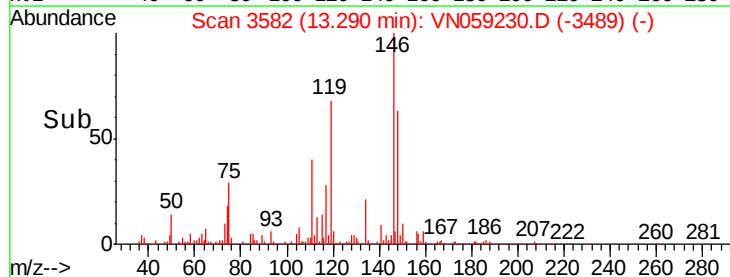
300000

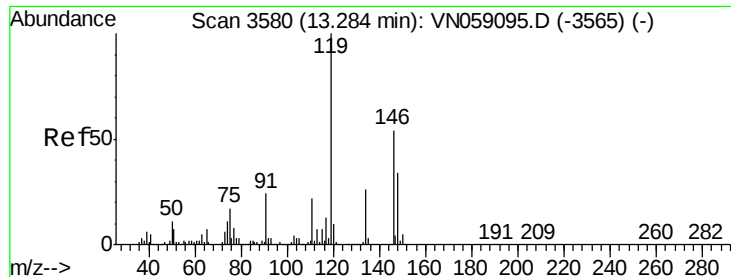
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 21.245 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

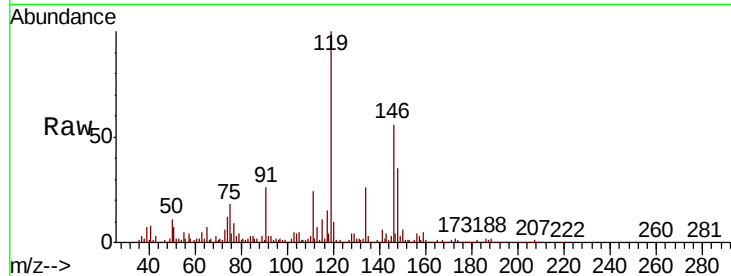
Tot Ion:146 Resp: 202559

Ion Ratio Lower Upper

146 100

111 40.7 20.4 61.3

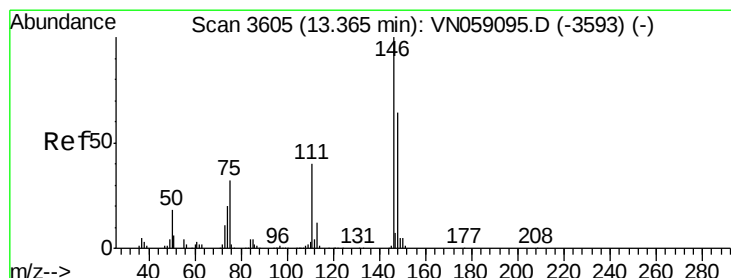
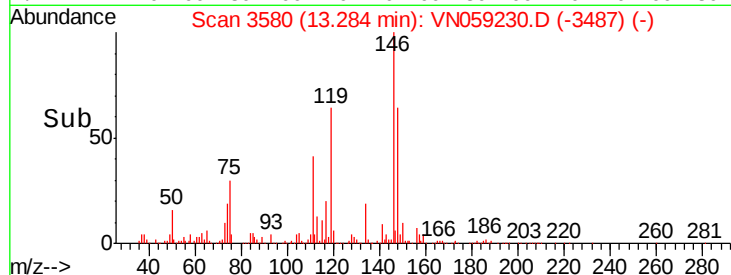
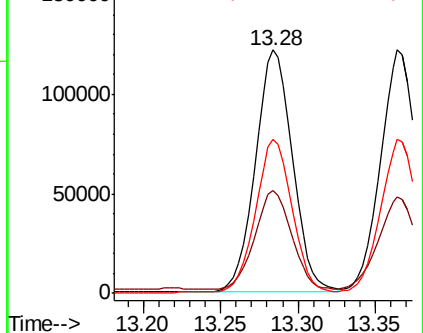
148 61.9 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 20.729 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

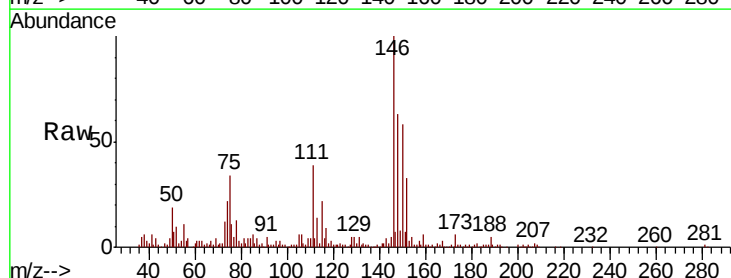
Tgt Ion:146 Resp: 197739

Ion Ratio Lower Upper

146 100

111 39.4 20.3 60.9

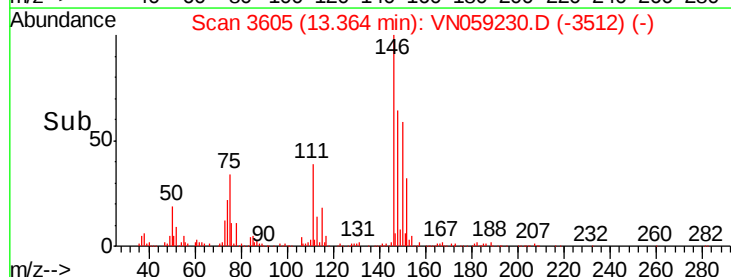
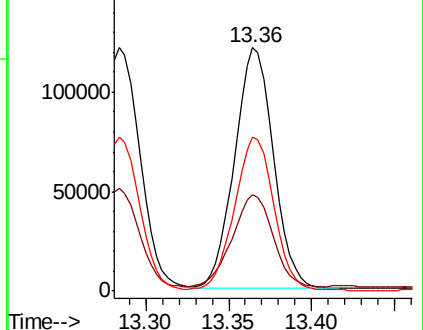
148 64.2 31.9 95.7

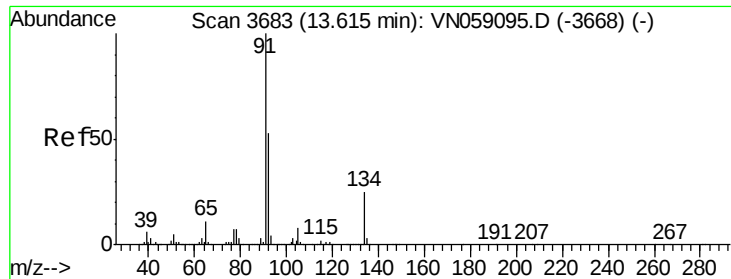


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 22.382 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

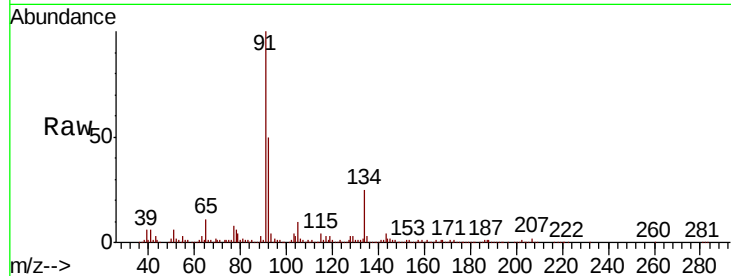
Tot Ion: 91 Resp: 364793

Ion Ratio Lower Upper

91 100

92 51.6 26.1 78.3

134 25.6 12.6 37.8

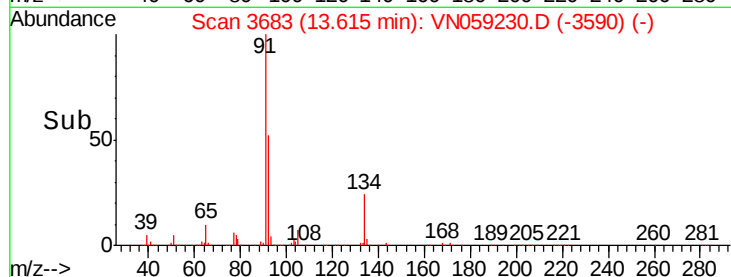


Abundance Ion 91.00 (90.70 to 91.70): VN059230.D (-3668) (-)

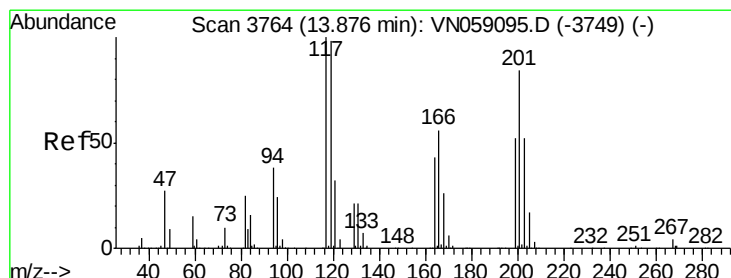
Ion 92.00 (91.70 to 92.70): VN059230.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059230.D (-3668) (-)

13.62



Time-->



#90

Hexachloroethane

Concen: 20.408 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059230.D

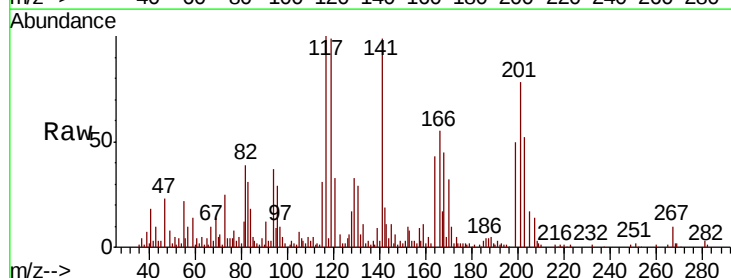
Acq: 14 Nov 2019 13:53

Tgt Ion: 117 Resp: 76313

Ion Ratio Lower Upper

117 100

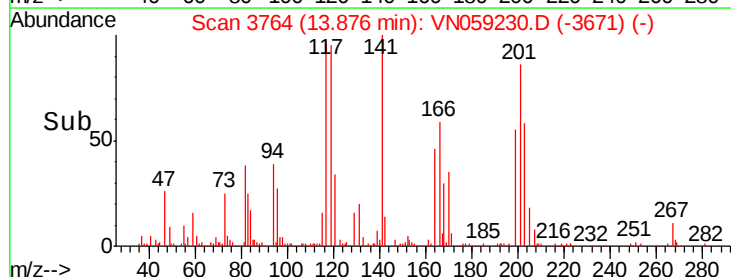
201 80.3 41.8 125.3



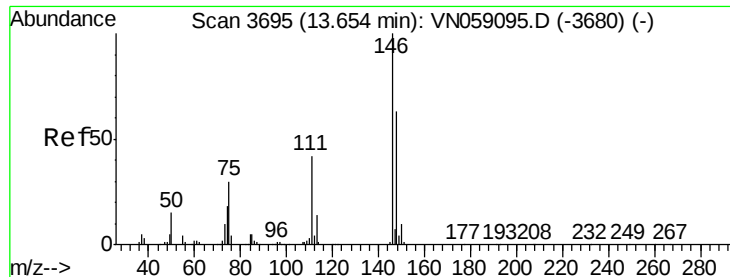
Abundance Ion 116.80 (116.50 to 117.50): VN059230.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059230.D (-3749) (-)

13.88



Time-->



#91

1,2-Dichlorobenzene

Concen: 21.084 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

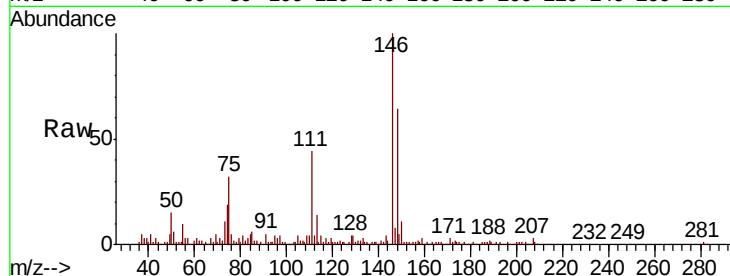
Tot Ion:146 Resp: 197744

Ion Ratio Lower Upper

146 100

111 42.8 21.2 63.6

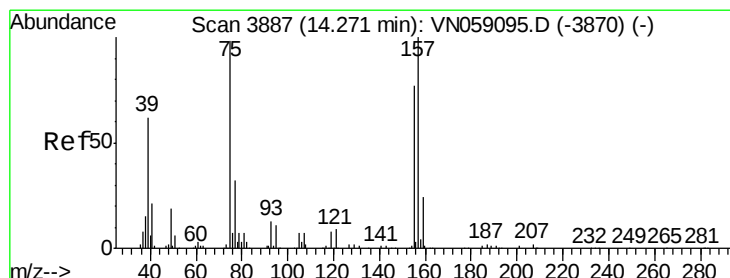
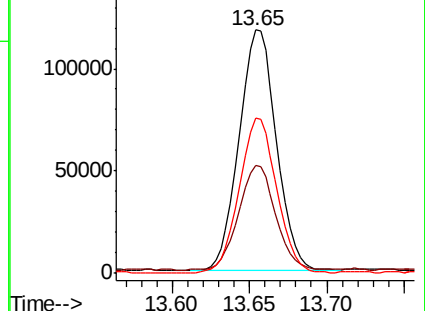
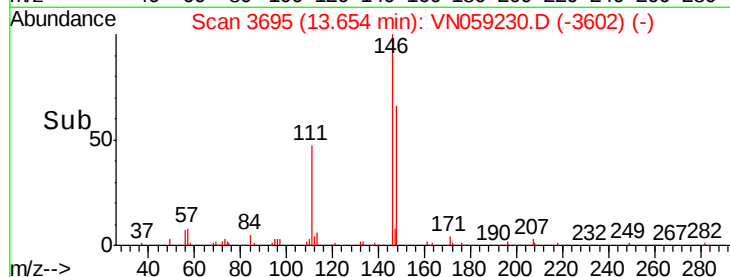
148 64.0 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 26.684 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

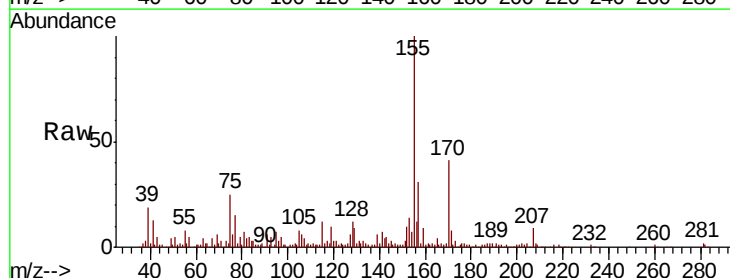
Tgt Ion: 75 Resp: 40159

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

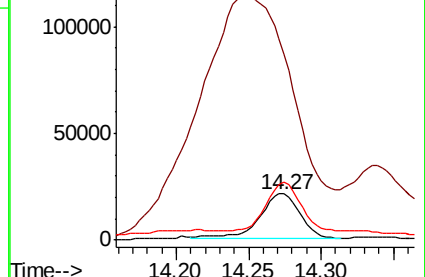
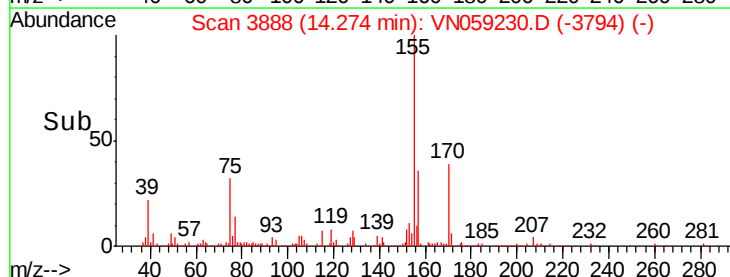
157 93.8 51.8 155.5

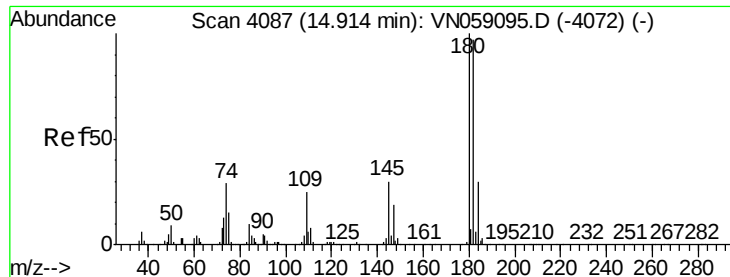


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

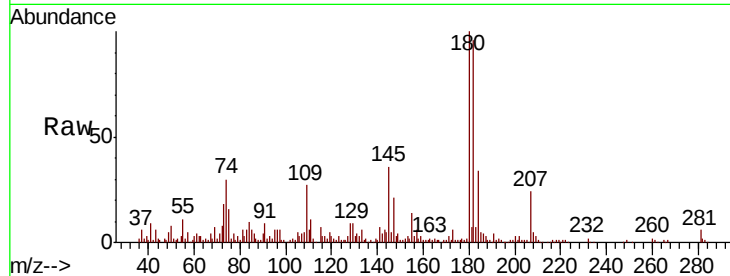




#93
 1,2,4-Trichlorobenzene
 Concen: 23.635 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114MBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.3	48.1	144.3
145	32.6	15.1	45.3

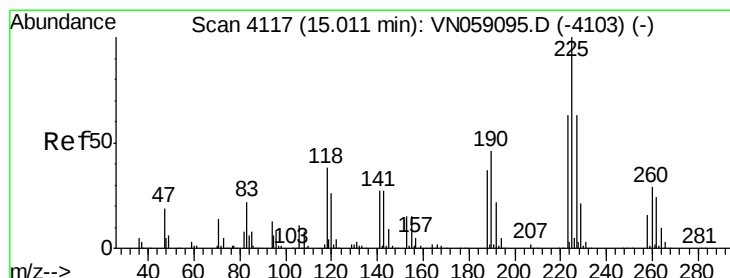
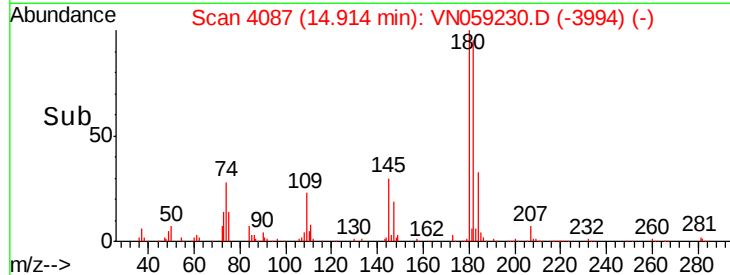
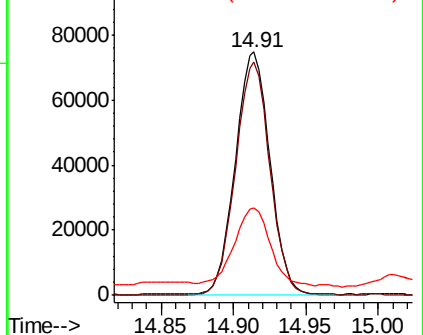


Abundance

Ion 179.80 (179.50 to 180.50): V

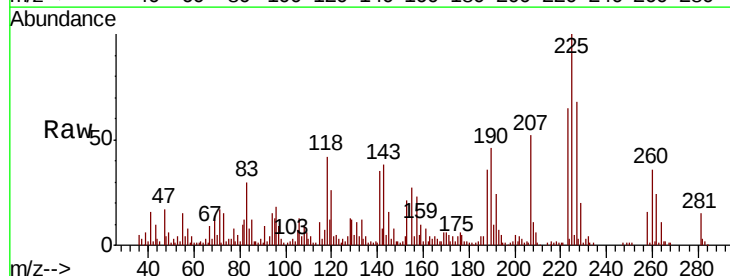
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
 Hexachlorobutadiene
 Concen: 20.219 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059230.D
 Acq: 14 Nov 2019 13:53

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.2	31.3	93.9
227	66.2	31.5	94.5

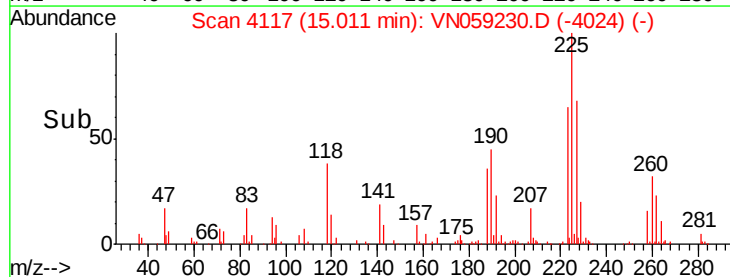
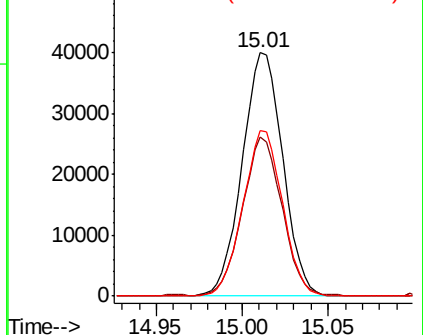


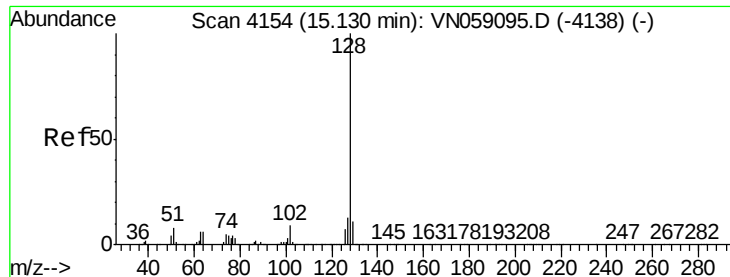
Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 28.292 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

Instrument :

MSVOA_N

ClientSampleId :

VN1114MBSD01

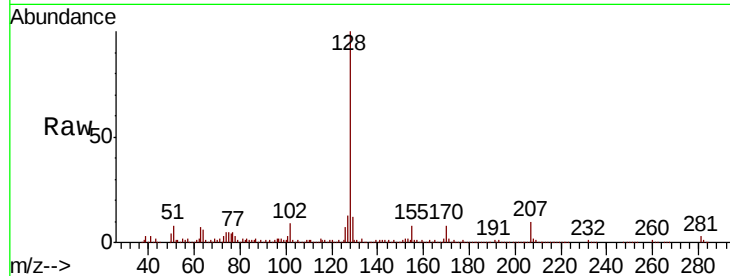
Tot Ion:128 Resp: 424438

Ion Ratio Lower Upper

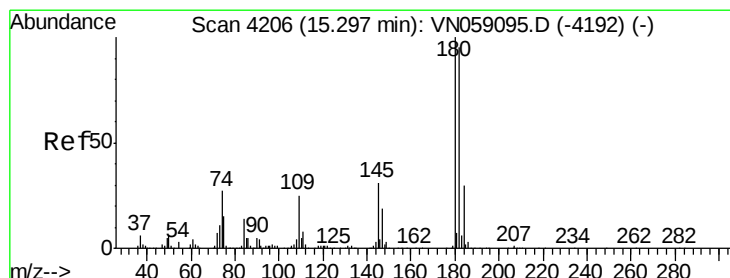
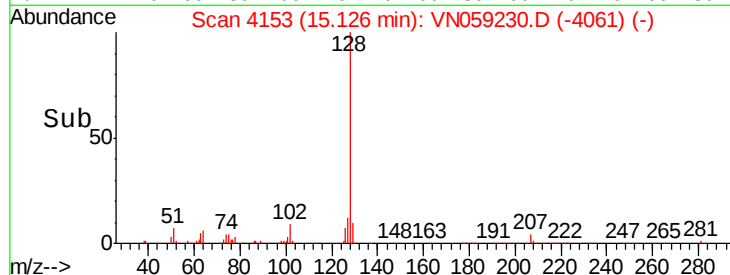
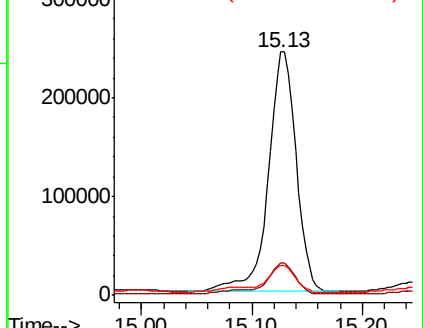
128 100

127 14.7 10.2 15.2

129 11.3 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 24.409 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. -0.00 min

Lab File: VN059230.D

Acq: 14 Nov 2019 13:53

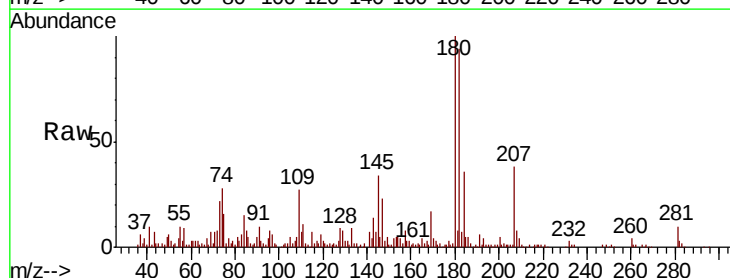
Tgt Ion:180 Resp: 128297

Ion Ratio Lower Upper

180 100

182 94.5 47.3 141.8

145 32.0 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

