

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081919\
 Data File : VN057416.D
 Acq On : 19 Aug 2019 22:48
 Operator : JC/SP
 Sample : VN0819WBS02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS02

Quant Time: Aug 20 08:47:43 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	814085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1212998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1086023	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	394813	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	426702	48.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.42%	
35) Dibromofluoromethane	7.58	113	393019	49.43	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.86%	
50) Toluene-d8	10.08	98	1433623	49.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.58%	
62) 4-Bromofluorobenzene	12.40	95	460865	44.84	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.68%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	130397	18.614	ug/l	98
3) Chloromethane	2.05	50	142767	17.267	ug/l	100
4) Vinyl Chloride	2.18	62	142003	18.255	ug/l	99
5) Bromomethane	2.54	94	110815	19.985	ug/l	99
6) Chloroethane	2.69	64	99924	18.675	ug/l	100
7) Trichlorofluoromethane	3.02	101	237095	19.431	ug/l	98
8) Diethyl Ether	3.40	74	86960	18.935	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.76	101	140311	19.572	ug/l	98
10) Methyl Iodide	3.95	142	233207	20.352	ug/l	97
11) Tert butyl alcohol	4.76	59	112852	89.696	ug/l	99
12) 1,1-Dichloroethene	3.73	96	139117	19.477	ug/l	99
13) Acrolein	3.60	56	39745	52.037	ug/l	97
14) Allyl chloride	4.31	41	203608	17.783	ug/l	97
15) Acrylonitrile	4.97	53	317912	93.072	ug/l	100
16) Acetone	3.80	43	241348	78.614	ug/l	99
17) Carbon Disulfide	4.05	76	338890	17.611	ug/l	99
18) Methyl Acetate	4.31	43	179929	20.507	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	448250	20.000	ug/l	100
20) Methylene Chloride	4.54	84	165695	19.290	ug/l	92
21) trans-1,2-Dichloroethene	5.03	96	150446	19.586	ug/l	96
22) Diisopropyl ether	5.94	45	435744	19.266	ug/l	99
23) Vinyl Acetate	5.88	43	1654260	90.879	ug/l	98
24) 1,1-Dichloroethane	5.83	63	268304	19.281	ug/l	99
25) 2-Butanone	6.82	43	387153	87.084	ug/l	95
26) 2,2-Dichloropropane	6.82	77	185063	16.456	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	179003	19.685	ug/l	96
28) Bromochloromethane	7.19	49	114014	18.441	ug/l	92
29) Tetrahydrofuran	7.20	42	254709	90.531	ug/l	97
30) Chloroform	7.36	83	289751	19.870	ug/l	98
31) Cyclohexane	7.64	56	220660	18.299	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	253154	20.640	ug/l	98
36) 1,1-Dichloropropene	7.78	75	203015	18.956	ug/l	99
37) Ethyl Acetate	6.91	43	163365	18.624	ug/l	99
38) Carbon Tetrachloride	7.76	117	219981	19.769	ug/l	99

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 Quant Title : SW846 8260
 QLast Update : Thu Aug 15 11:33:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	226579	18.118	ug/l	97
40) Benzene	8.03	78	634926	19.382	ug/l	99
41) Methacrylonitrile	7.19	41	231382	58.573	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	210037	19.373	ug/l	100
43) Isopropyl Acetate	8.15	43	300687	18.022	ug/l	93
44) Trichloroethene	8.83	130	183580	19.933	ug/l	96
45) 1,2-Dichloropropane	9.11	63	163065	19.312	ug/l	98
46) Dibromomethane	9.20	93	110613	19.637	ug/l	97
47) Bromodichloromethane	9.40	83	222333	19.921	ug/l	96
48) Methyl methacrylate	9.19	41	134069	18.560	ug/l	99
49) 1,4-Dioxane	9.19	88	55027	362.242	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	818527	90.450	ug/l	99
52) Toluene	10.15	92	404792	19.853	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	229107	18.978	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	257205	19.321	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	160643	20.037	ug/l	99
56) Ethyl methacrylate	10.43	69	223504	19.102	ug/l	98
57) 1,3-Dichloropropane	10.70	76	261441	19.520	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	215888	74.697	ug/l	99
59) 2-Hexanone	10.75	43	567783	87.271	ug/l	98
60) Dibromochloromethane	10.90	129	185769	20.676	ug/l	98
61) 1,2-Dibromoethane	11.00	107	171403	20.069	ug/l	100
64) Tetrachloroethene	10.63	164	194084	20.673	ug/l	98
65) Chlorobenzene	11.43	112	442918	19.996	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	176783	20.840	ug/l	99
67) Ethyl Benzene	11.51	91	754808	19.478	ug/l	99
68) m/p-Xylenes	11.62	106	563776	39.486	ug/l	99
69) o-Xylene	11.95	106	279957	19.970	ug/l	98
70) Styrene	11.96	104	444797	19.904	ug/l	99
71) Bromoform	12.13	173	139836	20.895	ug/l #	100
73) Isopropylbenzene	12.25	105	741713	21.707	ug/l	98
74) N-amyl acetate	12.07	43	201982	17.630	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	209187	21.265	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	247843	31.179	ug/l #	100
77) Bromobenzene	12.53	156	201515	22.631	ug/l	94
78) n-propylbenzene	12.59	91	730299	19.209	ug/l	98
79) 2-Chlorotoluene	12.67	91	476273	21.571	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	610488	21.671	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	58876	18.184	ug/l	99
82) 4-Chlorotoluene	12.77	91	416718	18.497	ug/l	96
83) tert-Butylbenzene	12.99	119	550936	21.901	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	575668	20.244	ug/l	98
85) sec-Butylbenzene	13.17	105	639068	20.504	ug/l	99
86) p-Isopropyltoluene	13.29	119	565477	19.423	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	274340	19.832	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	252518	19.230	ug/l	99
89) n-Butylbenzene	13.62	91	425132	20.483	ug/l	100
90) Hexachloroethane	13.88	117	116186	22.167	ug/l	96
91) 1,2-Dichlorobenzene	13.65	146	261569	20.284	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24243	17.219	ug/l	97

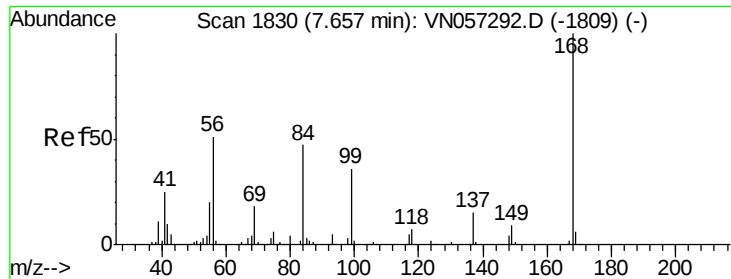
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081919\
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Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62429	16.165	ug/l	98
94) Hexachlorobutadiene	15.01	225	121756	22.105	ug/l	97
95) Naphthalene	15.13	128	125753	19.708	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	60937	19.334	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

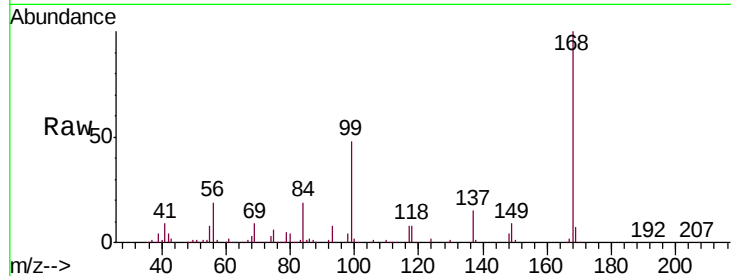
VN0819WBS02

Tgt Ion:168 Resp: 814085

Ion Ratio Lower Upper

168 100

99 47.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

300000

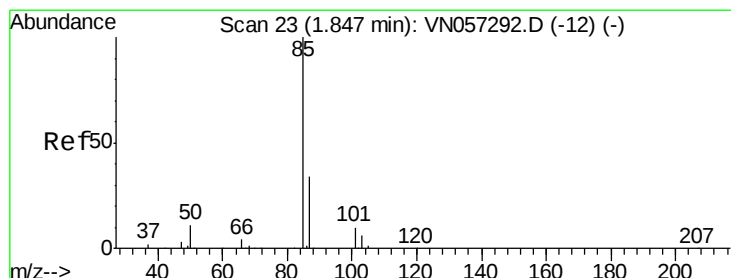
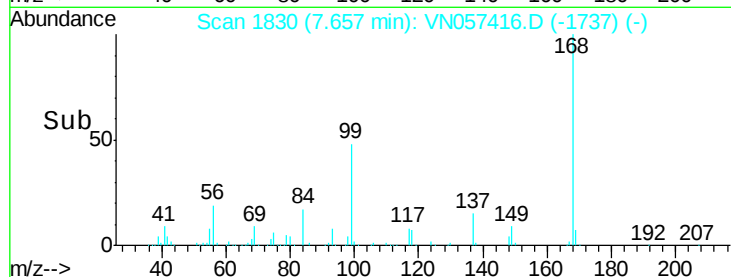
200000

100000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.614 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057416.D

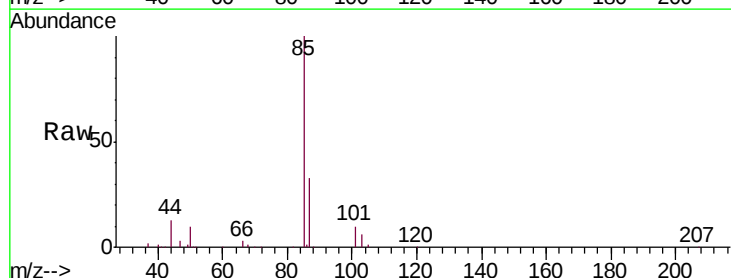
Acq: 19 Aug 2019 22:48

Tgt Ion: 85 Resp: 130397

Ion Ratio Lower Upper

85 100

87 32.9 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

100000

80000

60000

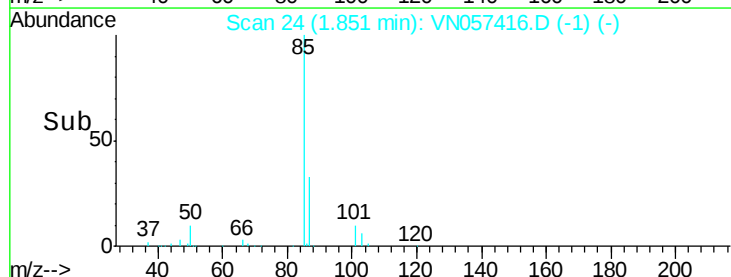
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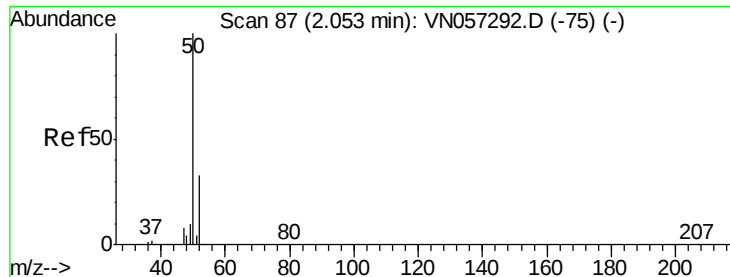
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.267 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampled :

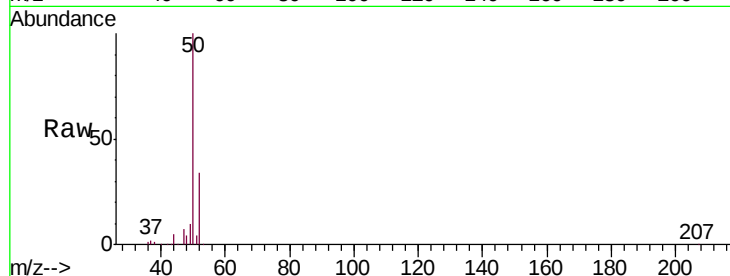
VN0819WBS02

Tgt Ion: 50 Resp: 142767

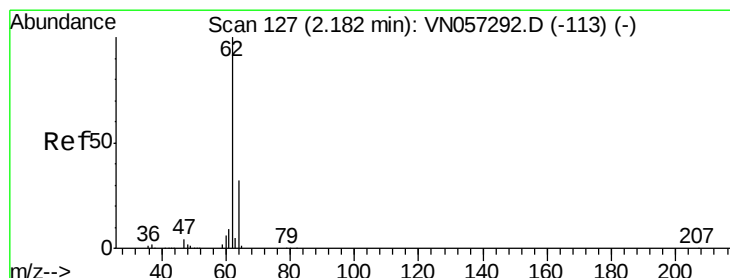
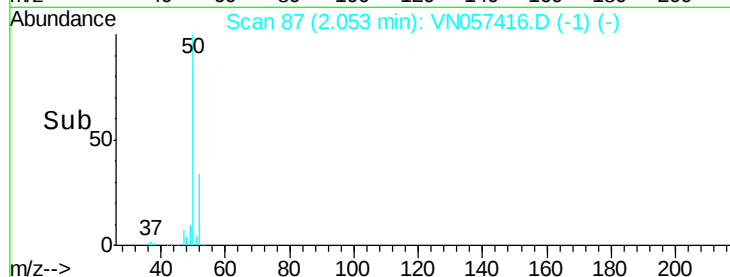
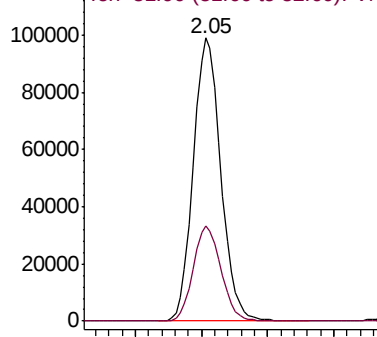
Ion Ratio Lower Upper

50 100

52 33.8 26.8 40.2



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 18.255 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057416.D

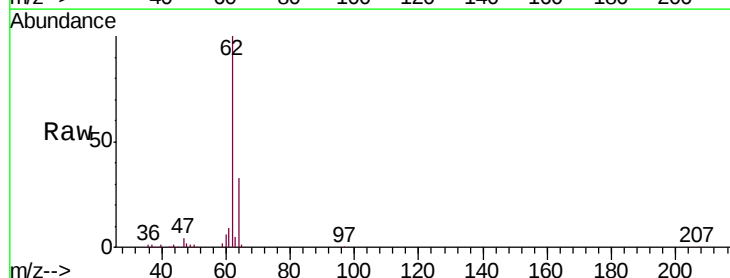
Acq: 19 Aug 2019 22:48

Tgt Ion: 62 Resp: 142003

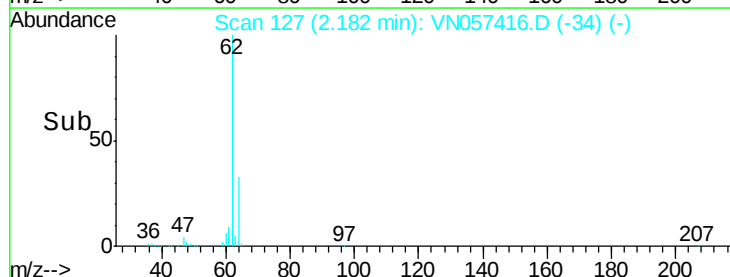
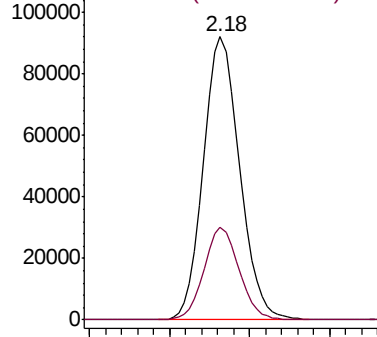
Ion Ratio Lower Upper

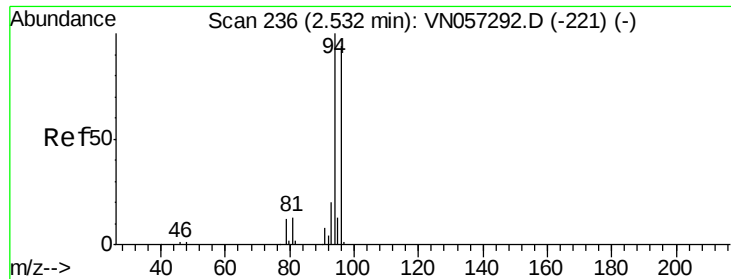
62 100

64 32.7 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 19.985 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.01 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

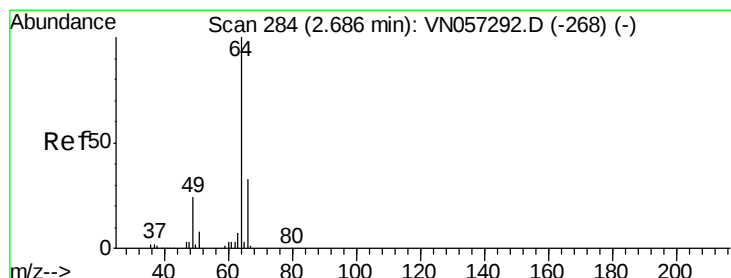
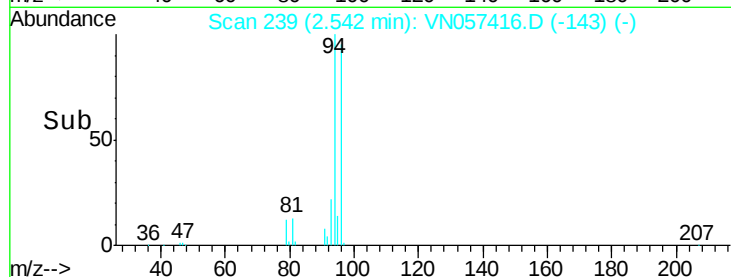
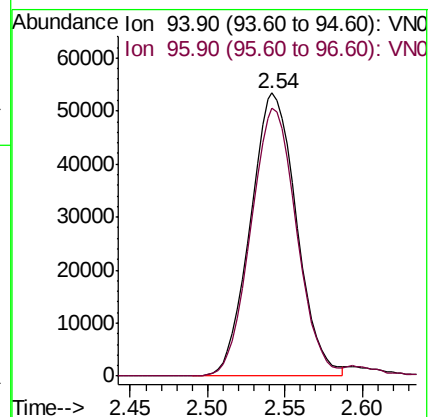
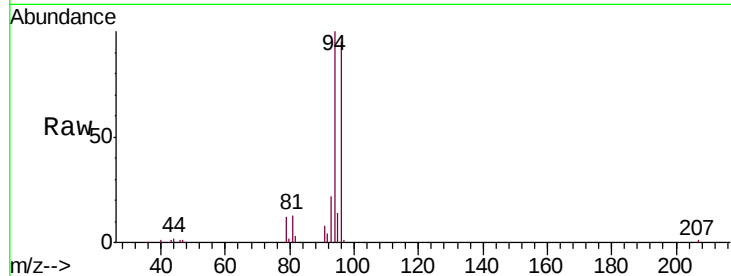
VN0819WBS02

Tgt Ion: 94 Resp: 110815

Ion Ratio Lower Upper

94 100

96 94.7 75.0 112.6



#6

Chloroethane

Concen: 18.675 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057416.D

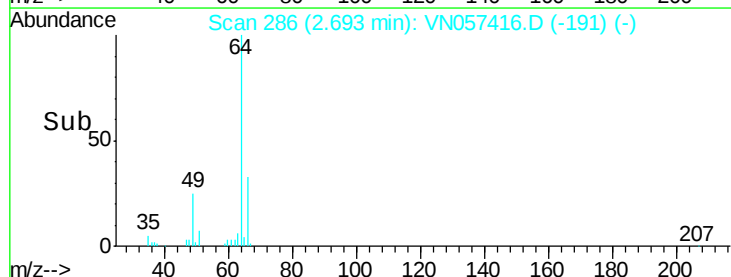
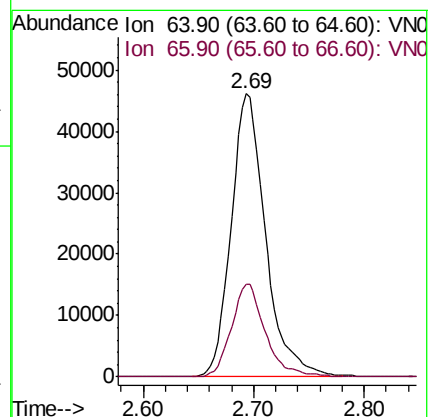
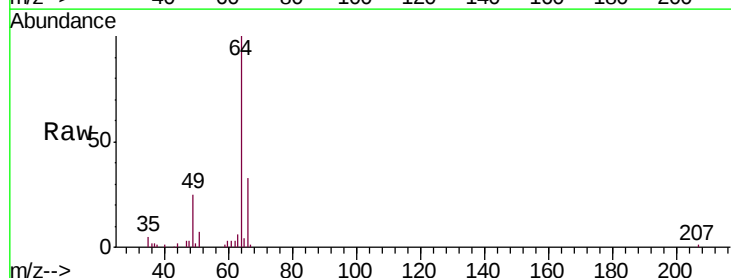
Acq: 19 Aug 2019 22:48

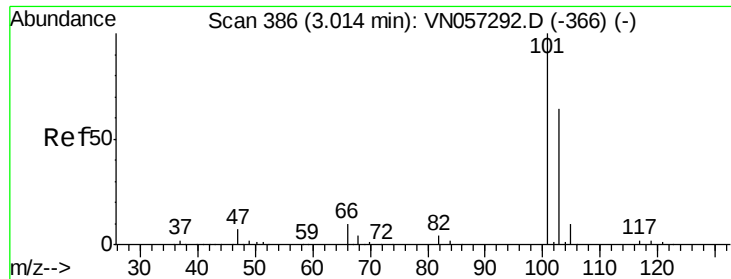
Tgt Ion: 64 Resp: 99924

Ion Ratio Lower Upper

64 100

66 33.0 26.4 39.6



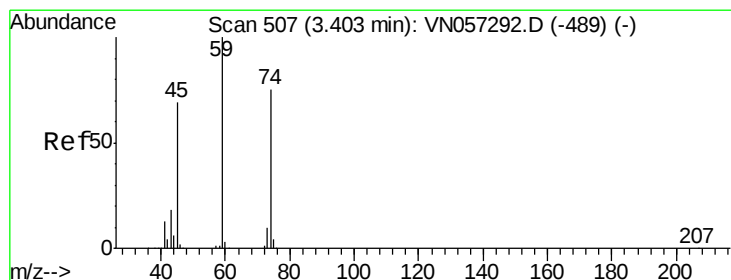
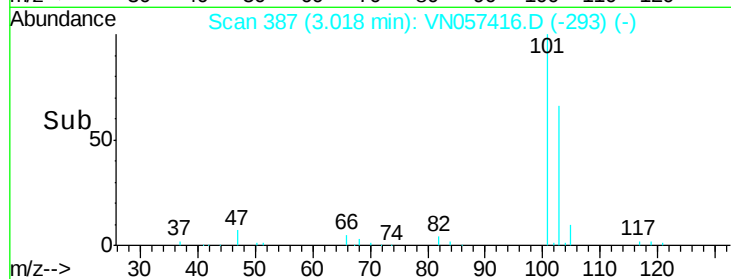
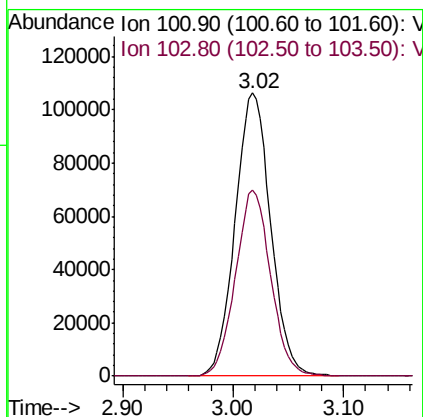
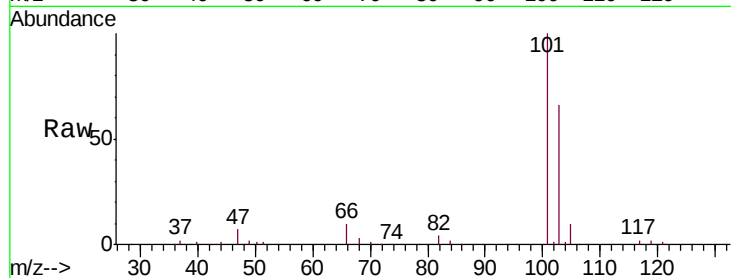


#7

Trichlorofluoromethane
Concen: 19.431 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

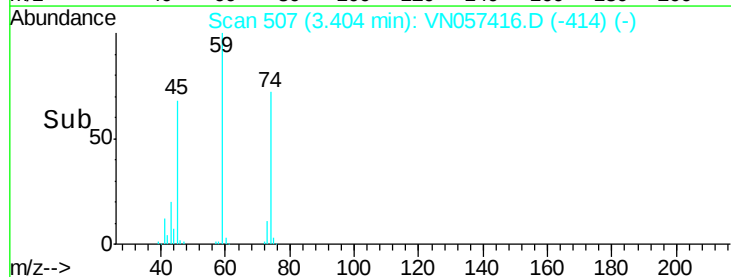
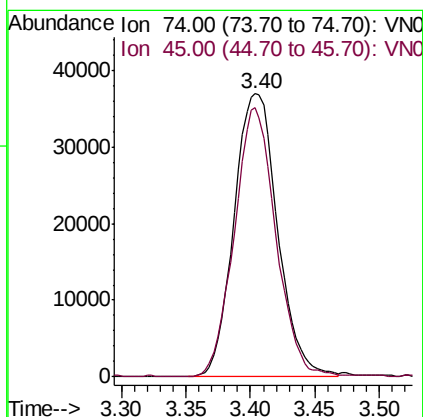
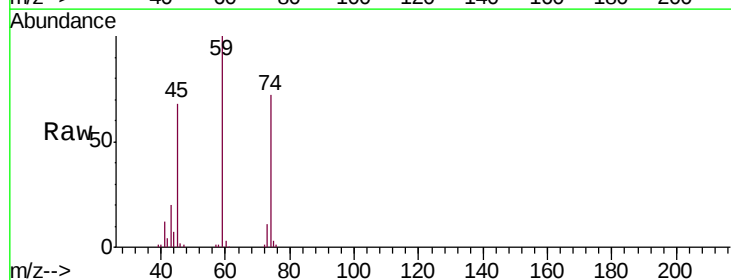
Tgt Ion:101 Resp: 237095
Ion Ratio Lower Upper
101 100
103 65.7 51.5 77.3

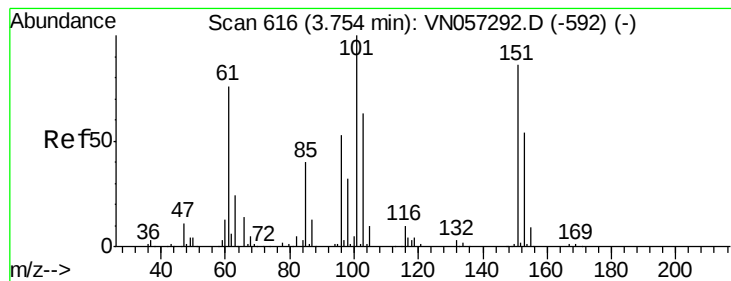


#8

Diethyl Ether
Concen: 18.935 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 74 Resp: 86960
Ion Ratio Lower Upper
74 100
45 90.6 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.572 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS02

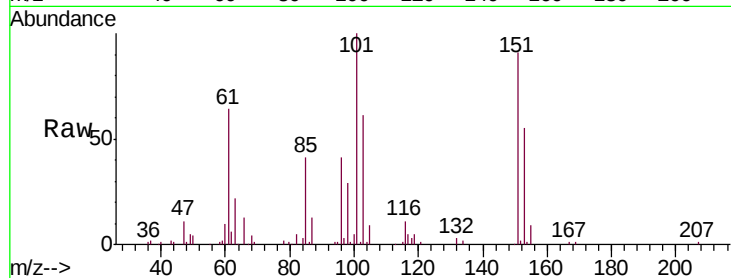
Tgt Ion:101 Resp: 140311

Ion Ratio Lower Upper

101 100

85 41.6 32.7 49.1

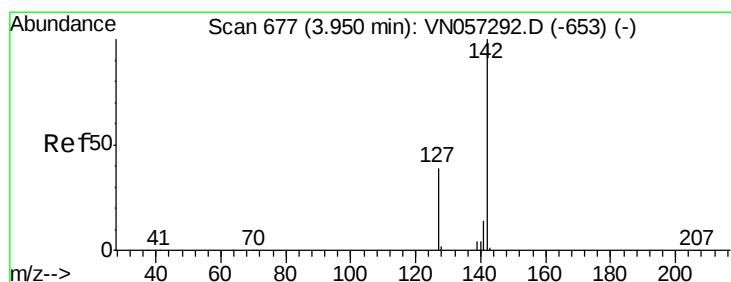
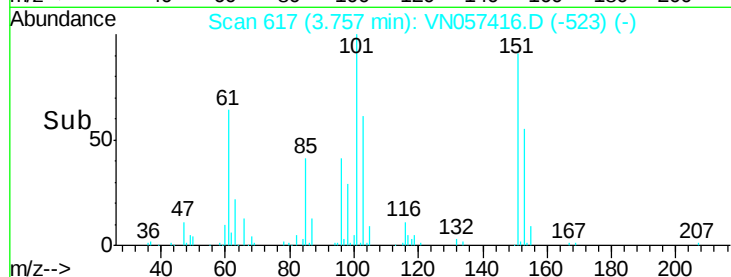
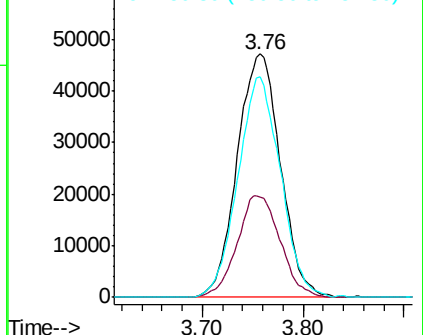
151 89.2 69.1 103.7



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: 20.352 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

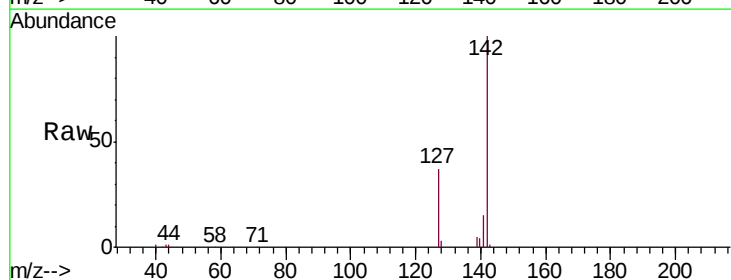
Tgt Ion:142 Resp: 233207

Ion Ratio Lower Upper

142 100

127 37.3 31.6 47.4

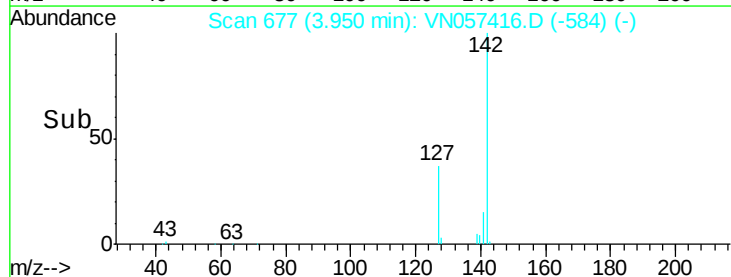
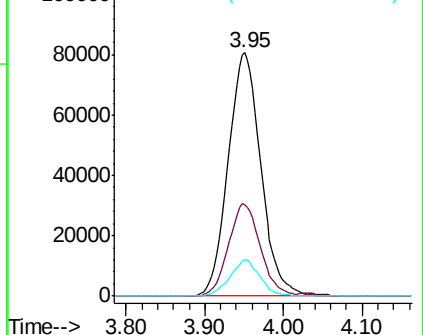
141 13.6 11.2 16.8

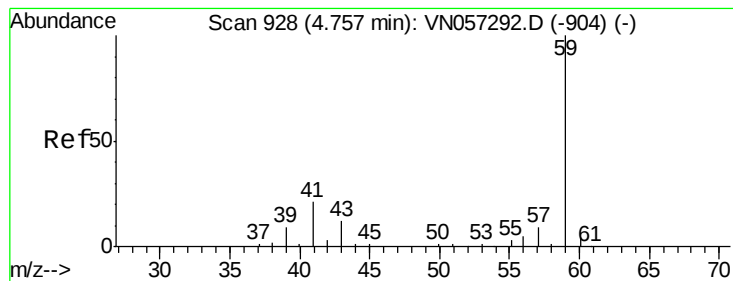


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



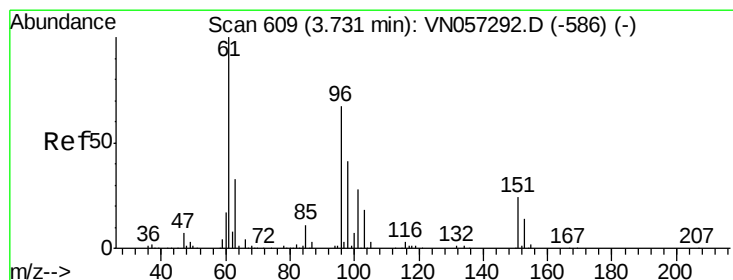
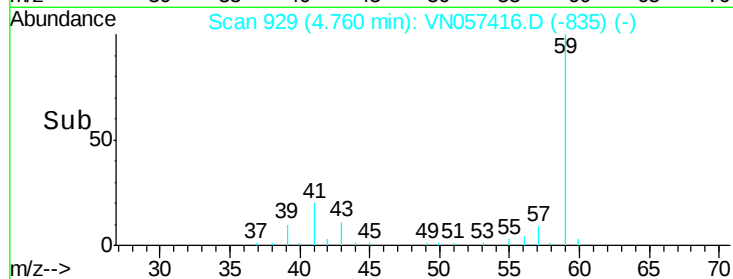
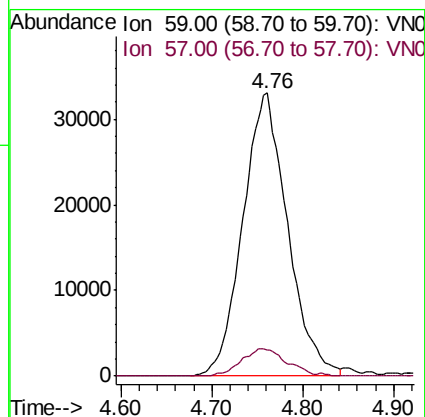
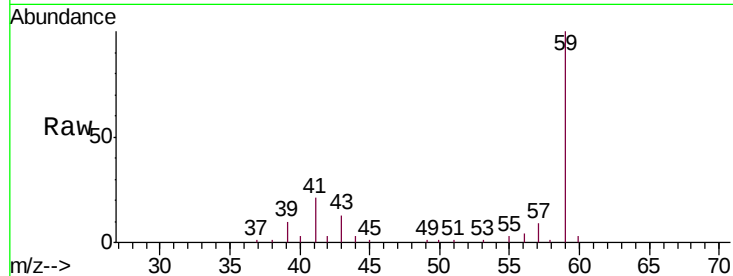


#11

Tert butyl alcohol
 Concen: 89.696 ug/l
 RT: 4.76 min Scan# 929
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Instrument :
 MSVOA_N
 ClientSampled :
 VN0819WBS02

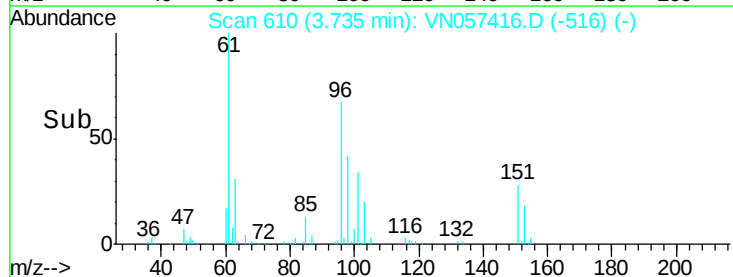
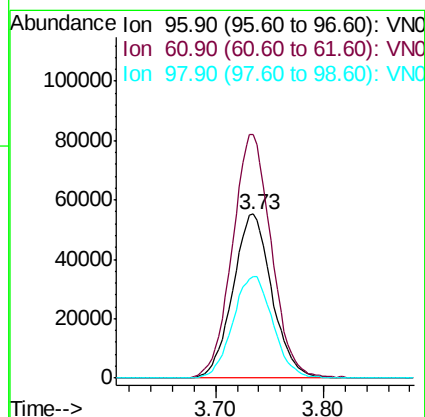
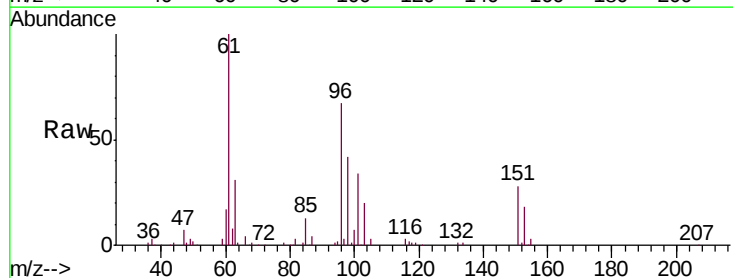
Tgt Ion: 59 Resp: 112852
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.2 12.2

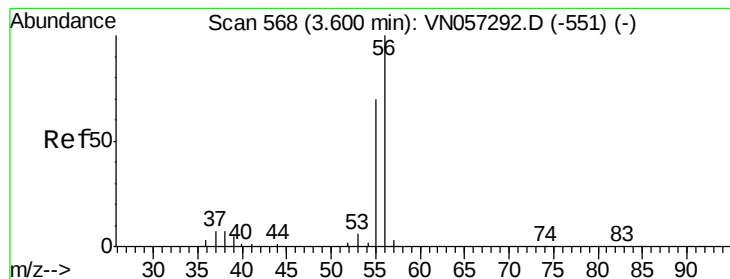


#12

1,1-Dichloroethene
 Concen: 19.477 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Tgt Ion: 96 Resp: 139117
 Ion Ratio Lower Upper
 96 100
 61 148.1 119.7 179.5
 98 62.3 49.0 73.4





#13

Acrolein

Concen: 52.037 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

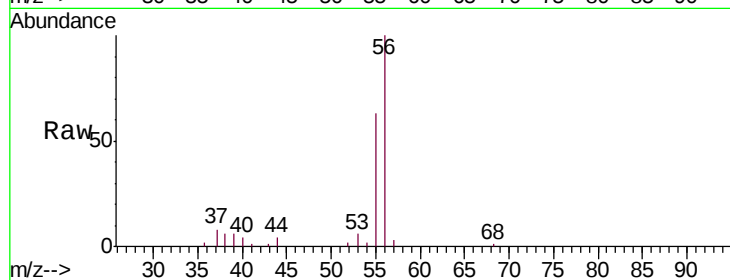
VN0819WBS02

Tgt Ion: 56 Resp: 39745

Ion Ratio Lower Upper

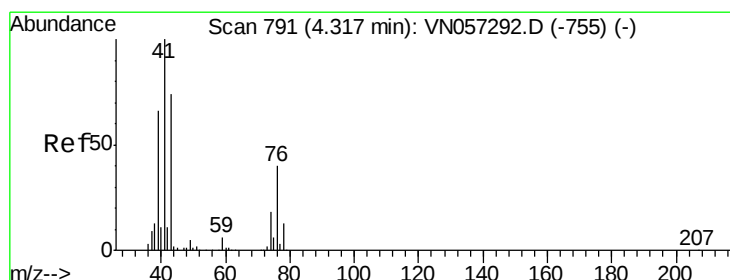
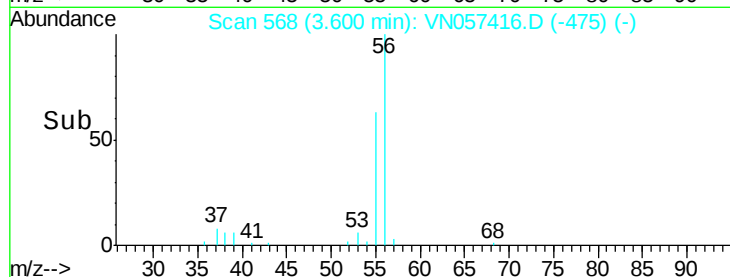
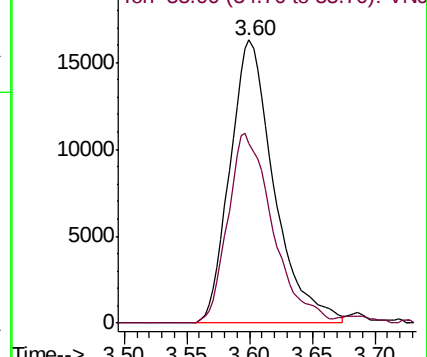
56 100

55 68.3 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 17.783 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

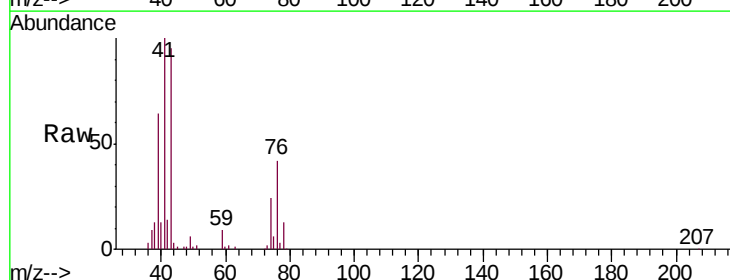
Tgt Ion: 41 Resp: 203608

Ion Ratio Lower Upper

41 100

39 62.1 49.0 73.6

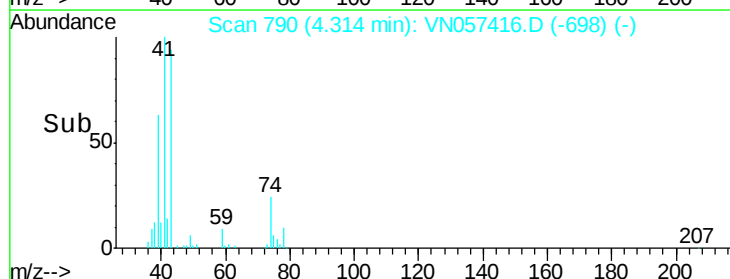
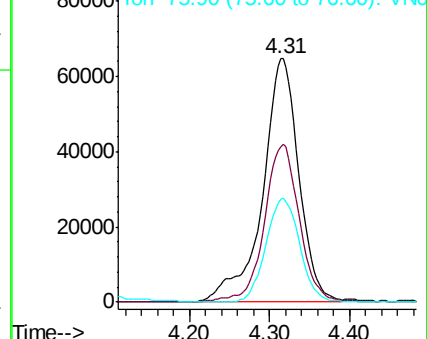
76 39.7 29.0 43.4

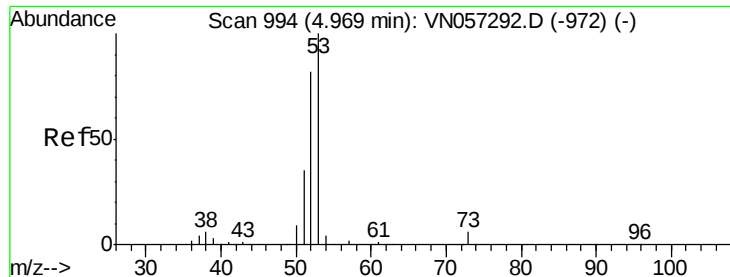


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 93.072 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS02

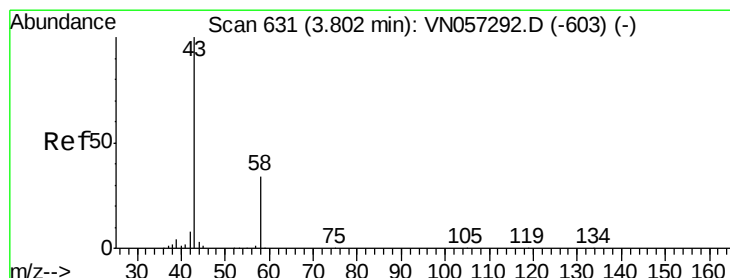
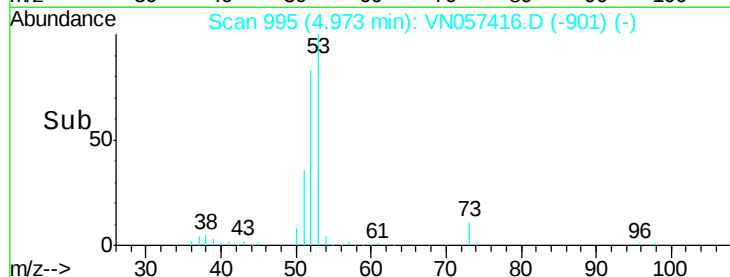
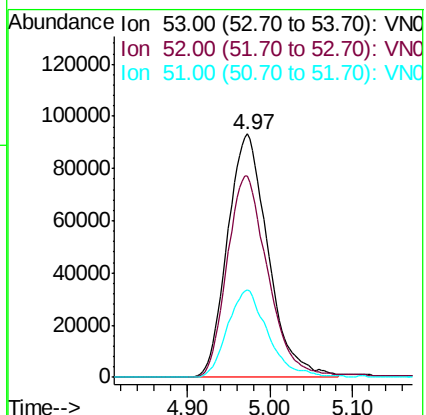
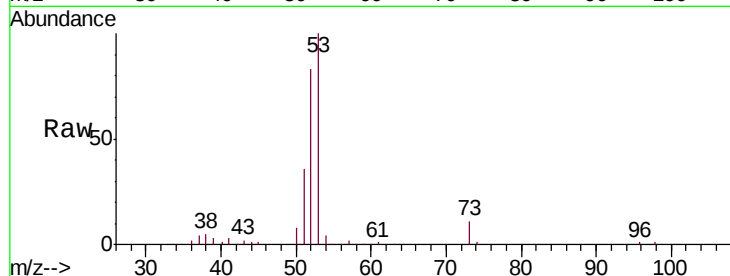
Tgt Ion: 53 Resp: 317912

Ion Ratio Lower Upper

53 100

52 82.9 66.2 99.2

51 35.6 28.5 42.7



#16

Acetone

Concen: 78.614 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057416.D

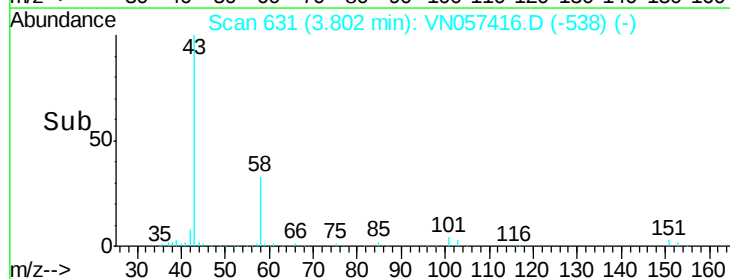
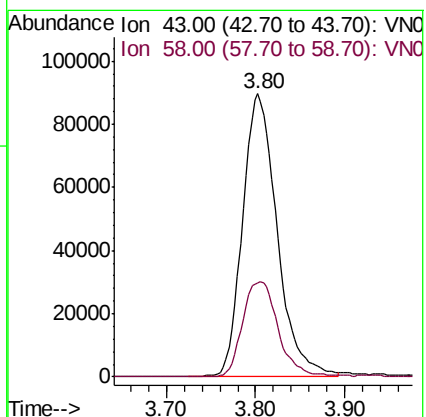
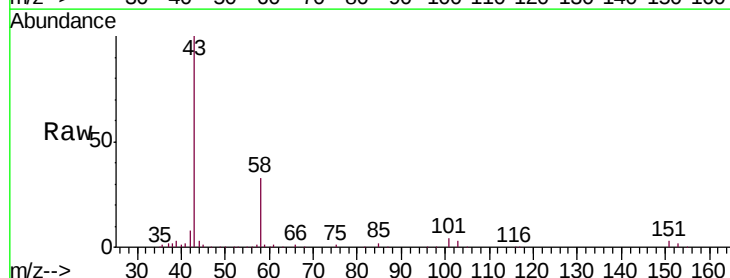
Acq: 19 Aug 2019 22:48

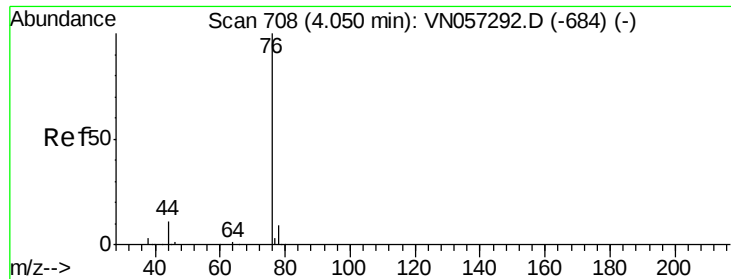
Tgt Ion: 43 Resp: 241348

Ion Ratio Lower Upper

43 100

58 33.0 27.0 40.6





#17

Carbon Disulfide

Concen: 17.611 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

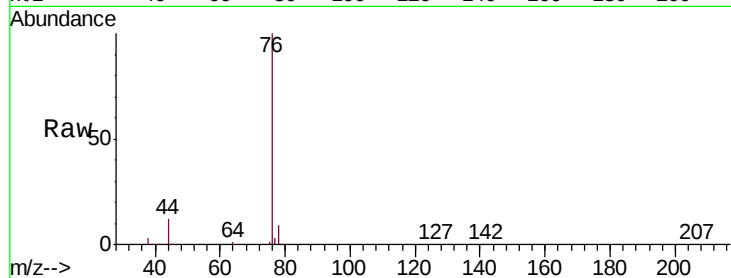
VN0819WBS02

Tgt Ion: 76 Resp: 338890

Ion Ratio Lower Upper

76 100

78 9.1 7.0 10.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.05

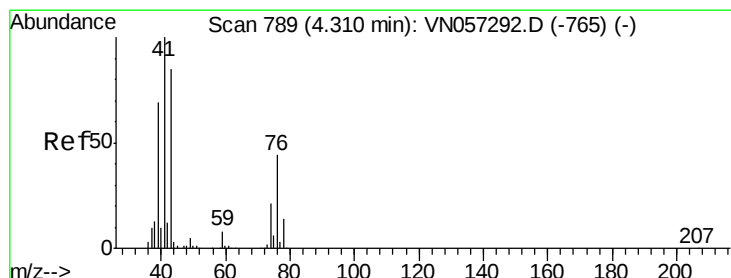
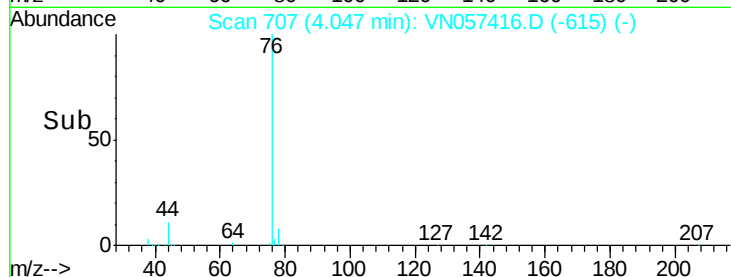
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 20.507 ug/l

RT: 4.31 min Scan# 789

Delta R.T. 0.00 min

Lab File: VN057416.D

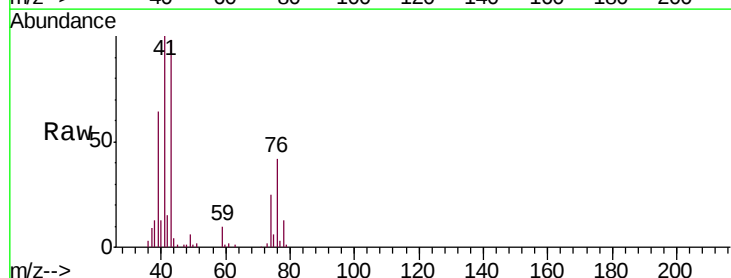
Acq: 19 Aug 2019 22:48

Tgt Ion: 43 Resp: 179929

Ion Ratio Lower Upper

43 100

74 26.4 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.31

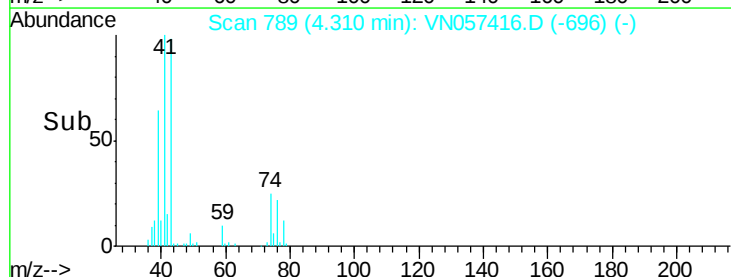
60000

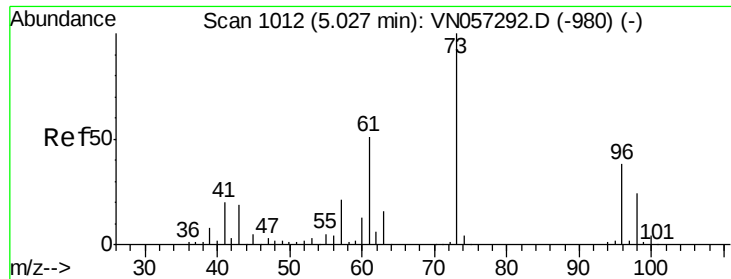
40000

20000

0

Time-->

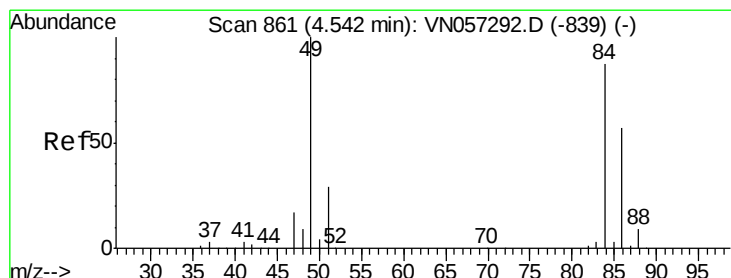
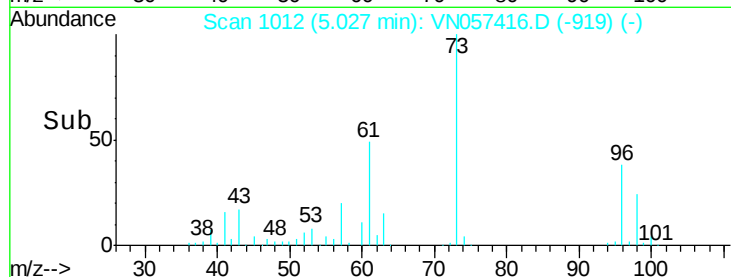
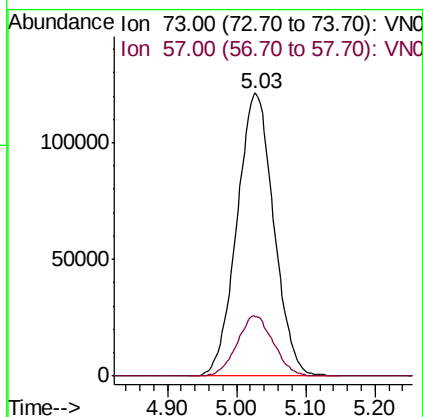
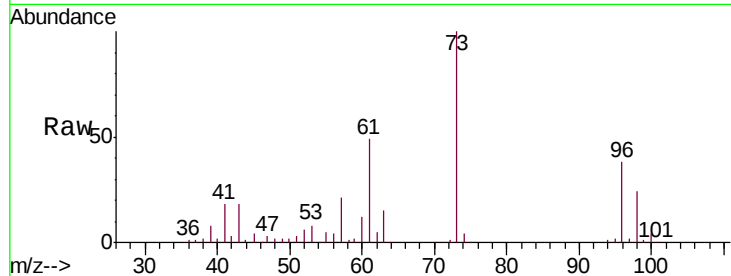




#19
Methyl tert-butyl Ether
Concen: 20.000 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

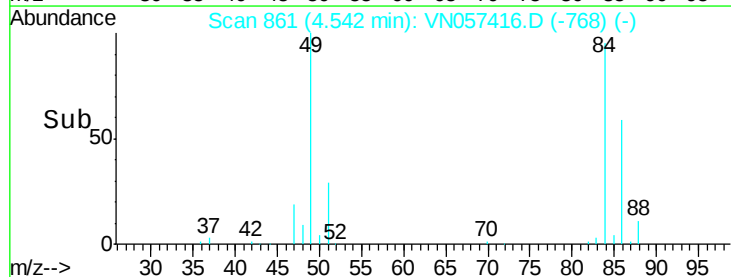
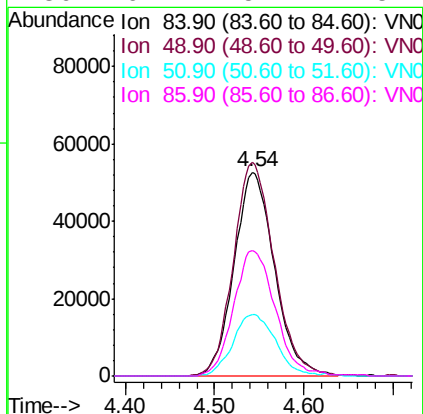
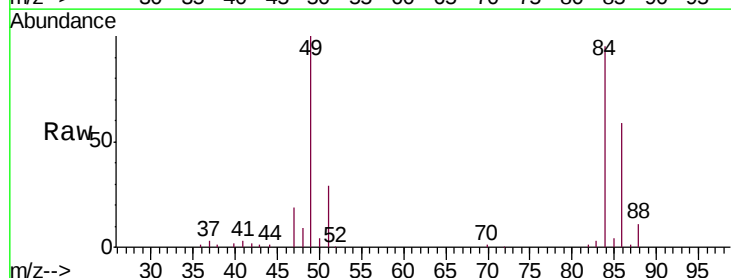
Instrument :
MSVOA_N
ClientSampled :
VN0819WBS02

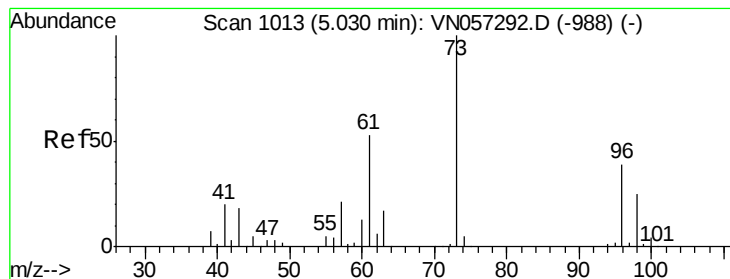
Tgt Ion: 73 Resp: 448250
Ion Ratio Lower Upper
73 100
57 21.1 16.9 25.3



#20
Methylene Chloride
Concen: 19.290 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 84 Resp: 165695
Ion Ratio Lower Upper
84 100
49 104.7 92.0 138.0
51 30.4 27.1 40.7
86 61.4 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.586 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS02

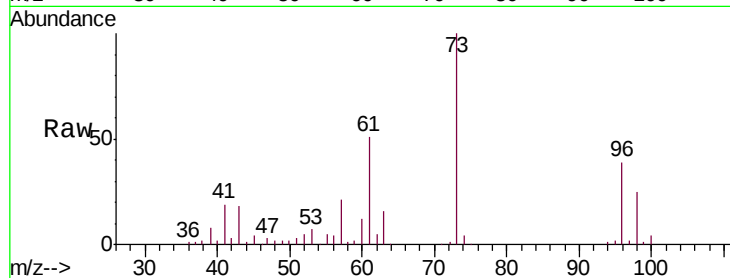
Tgt Ion: 96 Resp: 150446

Ion Ratio Lower Upper

96 100

61 130.0 109.5 164.3

98 63.2 51.0 76.6

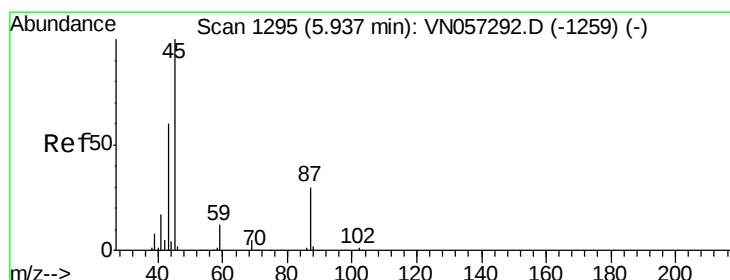
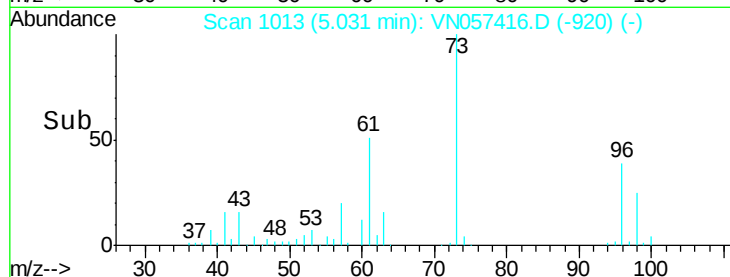
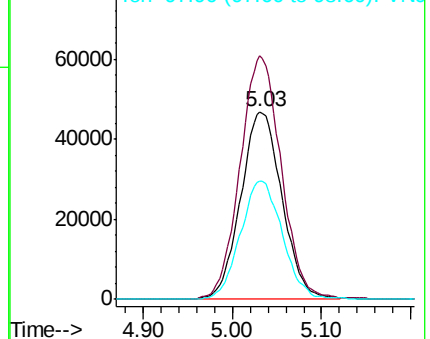


Abundance

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: 19.266 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Tgt Ion: 45 Resp: 435744

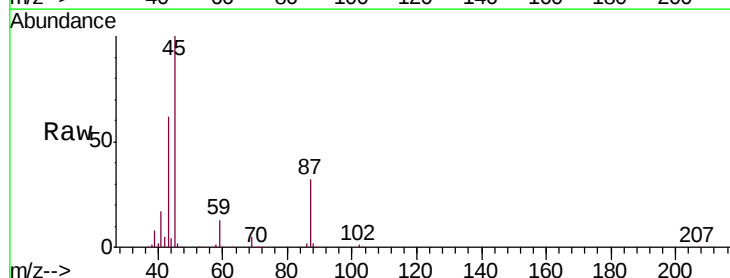
Ion Ratio Lower Upper

45 100

43 60.1 48.3 72.5

87 32.1 24.6 36.8

59 12.9 9.8 14.8



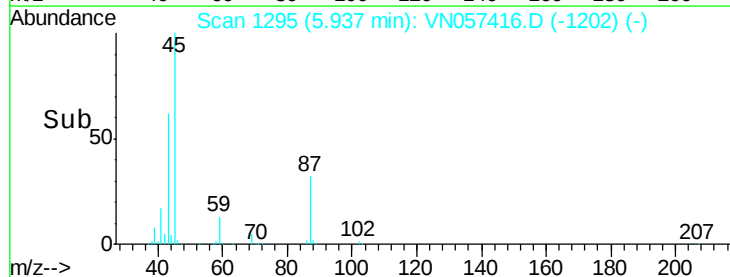
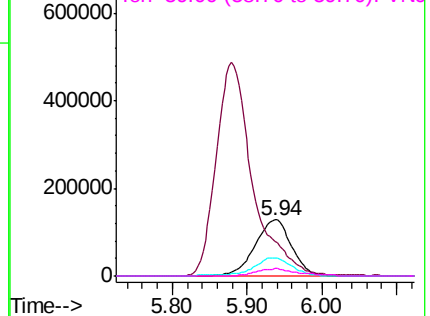
Abundance

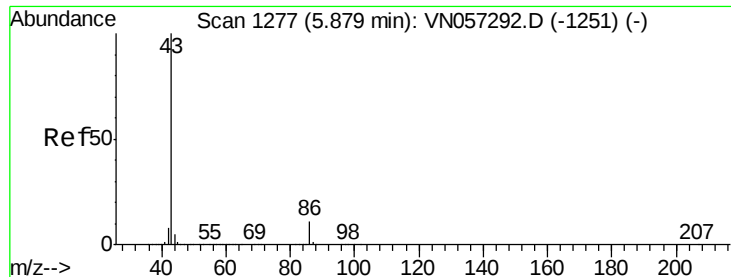
Ion 45.00 (44.70 to 45.70): VN0

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: 90.879 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampled :

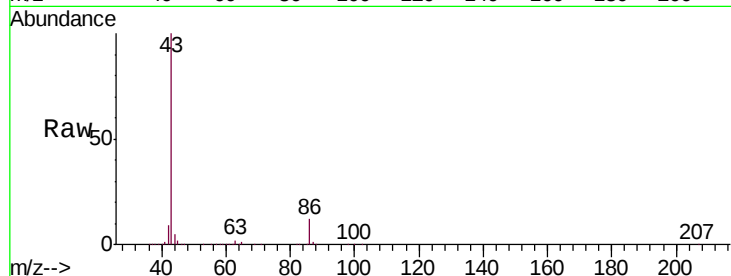
VN0819WBS02

Tgt Ion: 43 Resp: 1654260

Ion Ratio Lower Upper

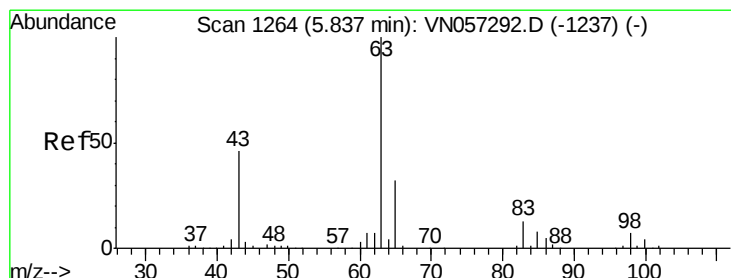
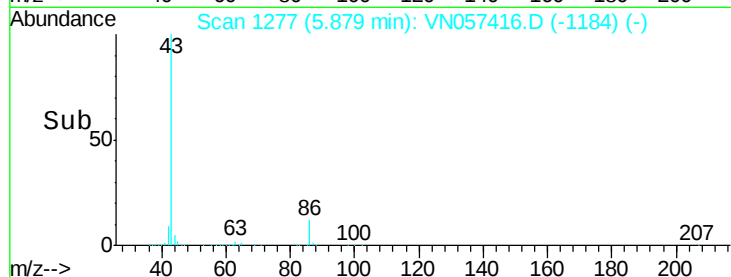
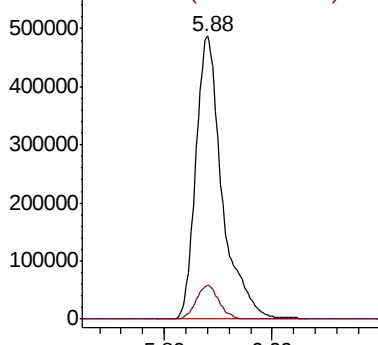
43 100

86 11.7 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 19.281 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

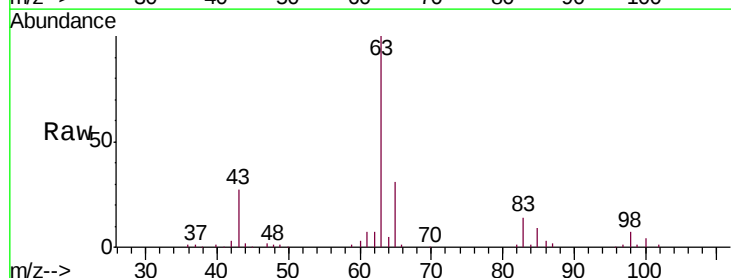
Tgt Ion: 63 Resp: 268304

Ion Ratio Lower Upper

63 100

98 6.8 3.3 9.9

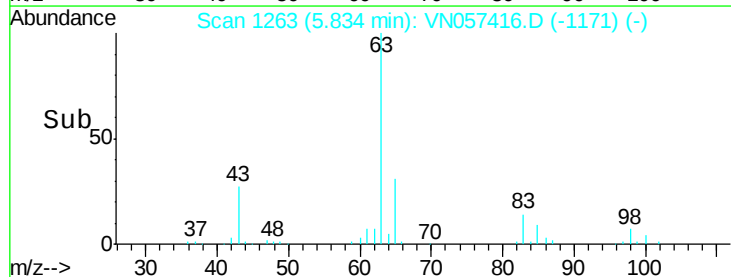
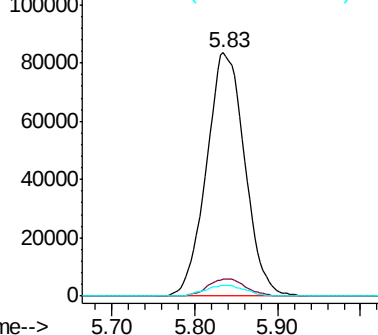
100 4.5 2.1 6.5

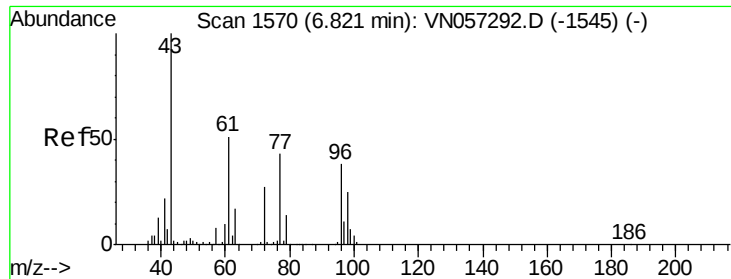


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

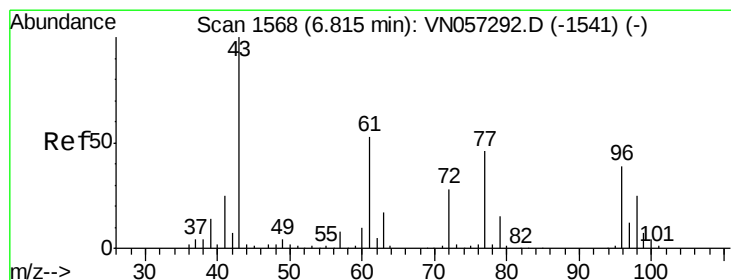
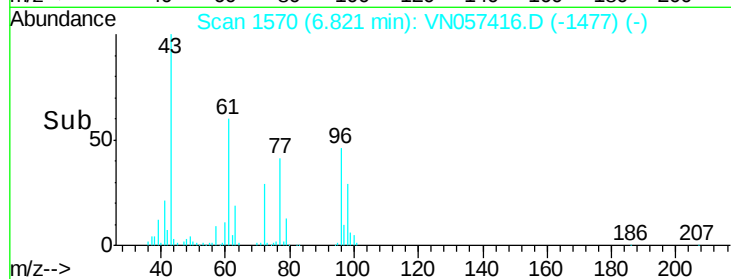
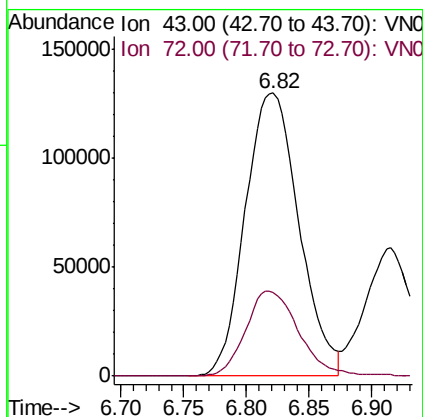
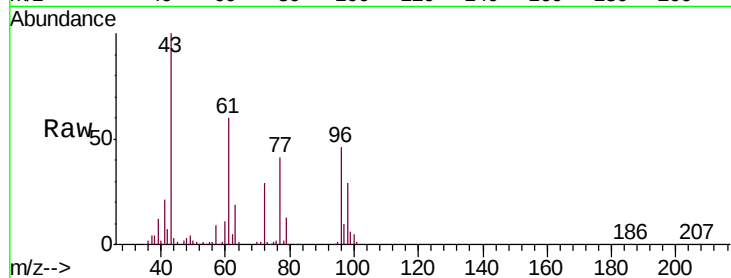




#25
2-Butanone
Concen: 87.084 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

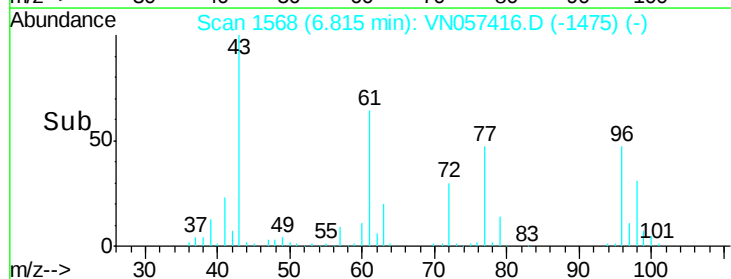
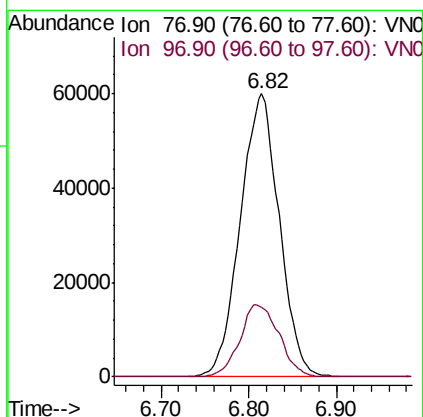
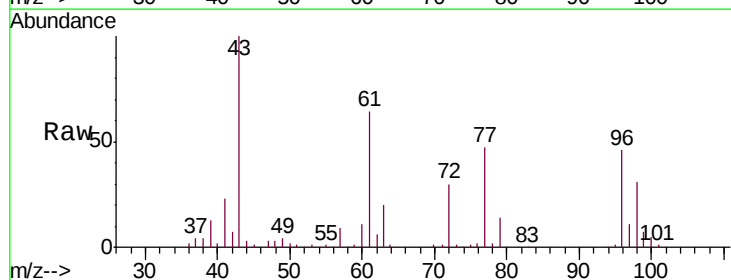
Instrument :
MSVOA_N
ClientSampled :
VN0819WBS02

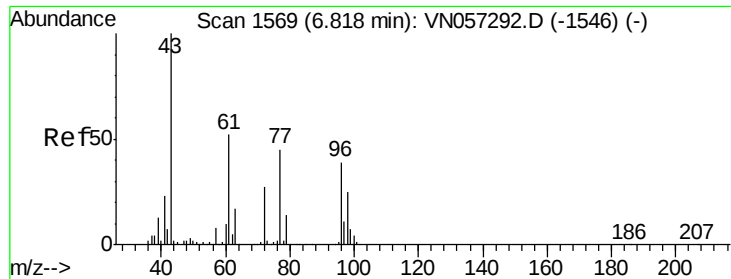
Tgt Ion: 43 Resp: 387153
Ion Ratio Lower Upper
43 100
72 29.5 21.5 32.3



#26
2,2-Dichloropropane
Concen: 16.456 ug/l
RT: 6.82 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 77 Resp: 185063
Ion Ratio Lower Upper
77 100
97 25.7 12.3 36.9

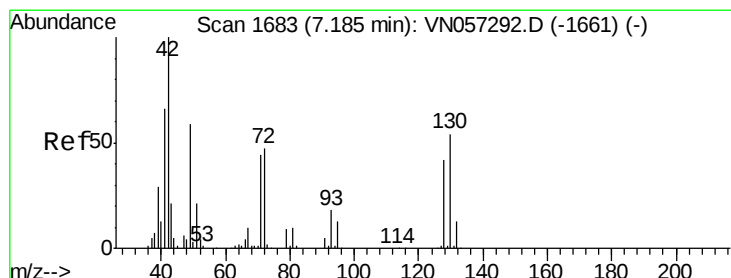
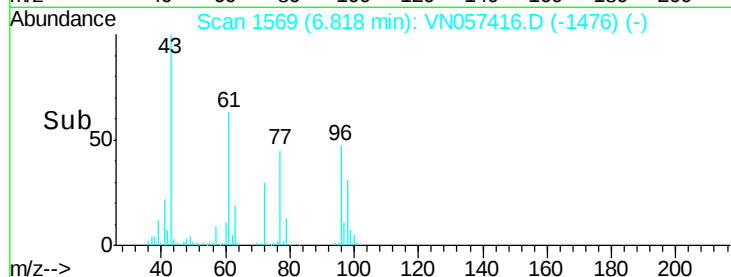
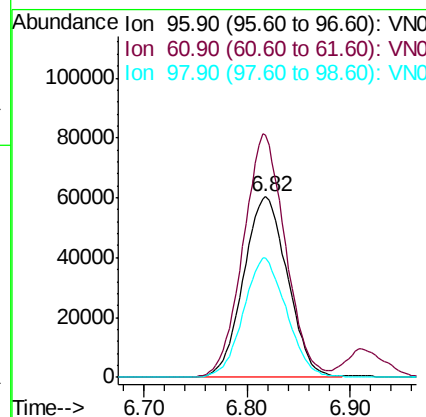
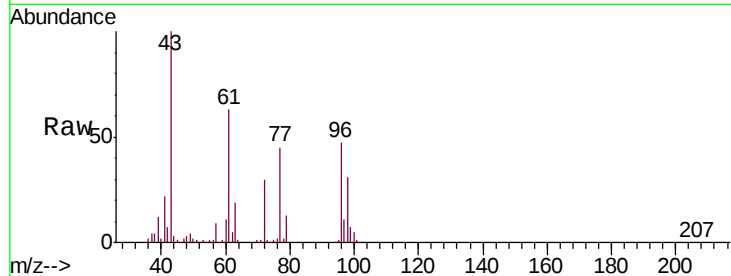




#27
 cis-1,2-Dichloroethene
 Concen: 19.685 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

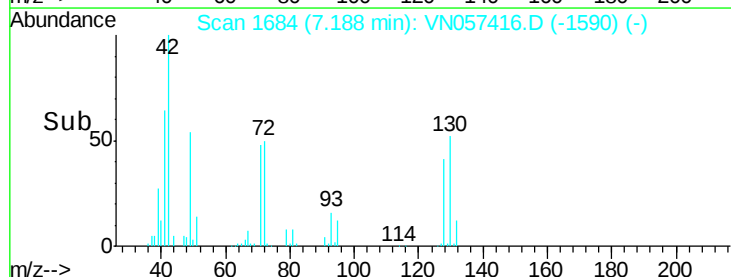
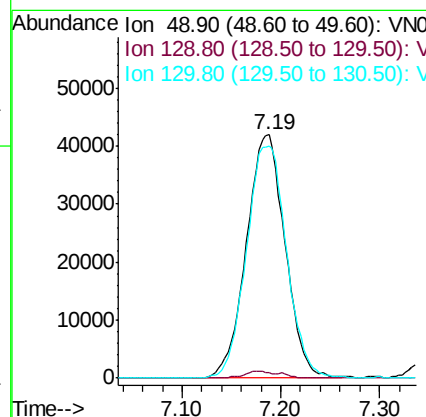
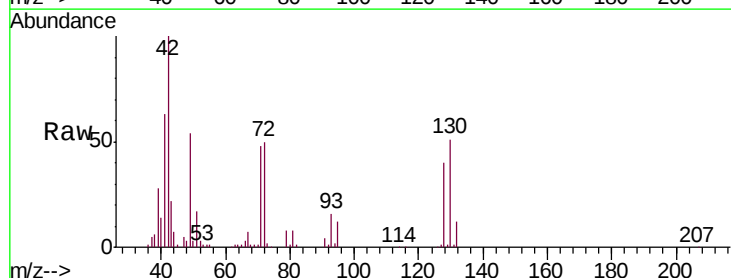
Instrument :
 MSVOA_N
 ClientSampled :
 VN0819WBS02

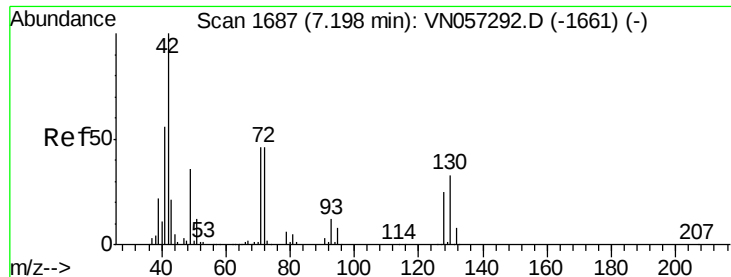
Tgt Ion: 96 Resp: 179003
 Ion Ratio Lower Upper
 96 100
 61 129.2 0.0 272.0
 98 64.7 0.0 130.4



#28
 Bromochloromethane
 Concen: 18.441 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Tgt Ion: 49 Resp: 114014
 Ion Ratio Lower Upper
 49 100
 129 2.0 0.0 2.0
 130 98.8 73.2 109.8

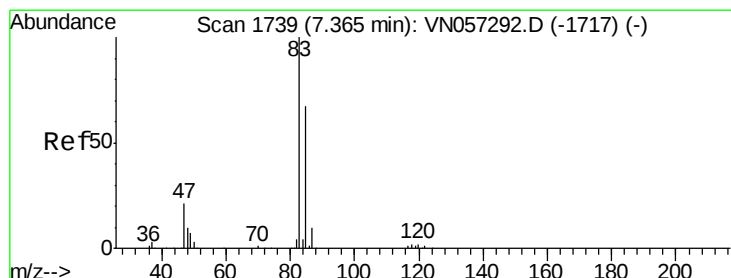
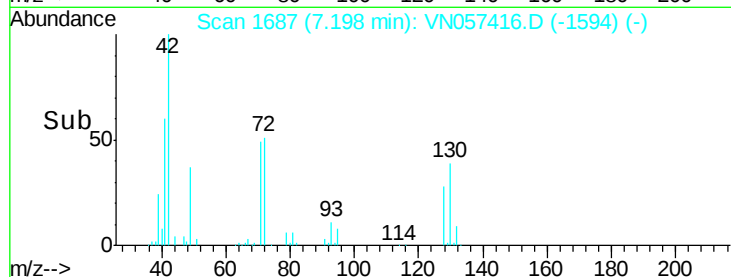
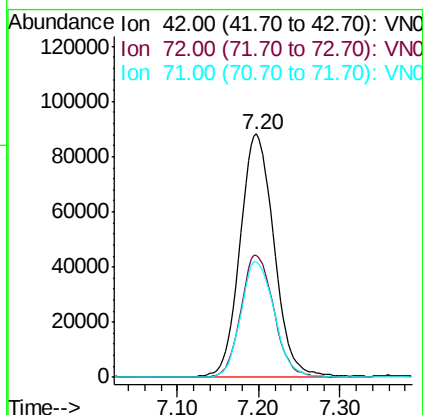
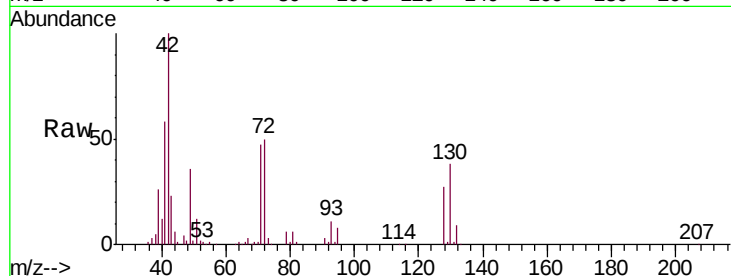




#29
Tetrahydrofuran
Concen: 90.531 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

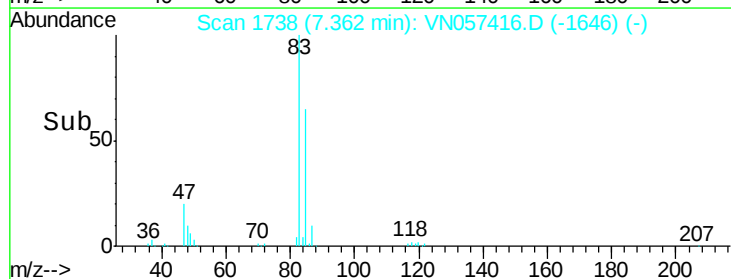
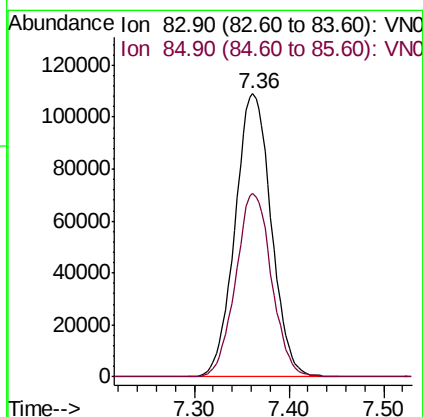
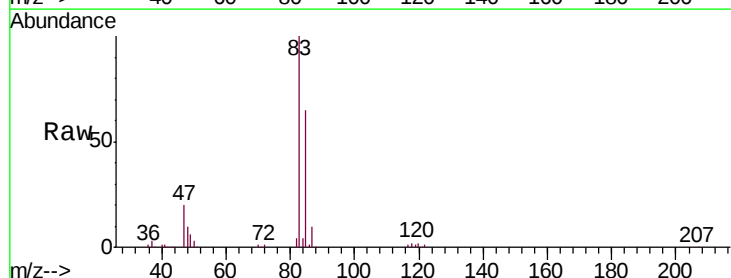
Instrument :
MSVOA_N
ClientSampled :
VN0819WBS02

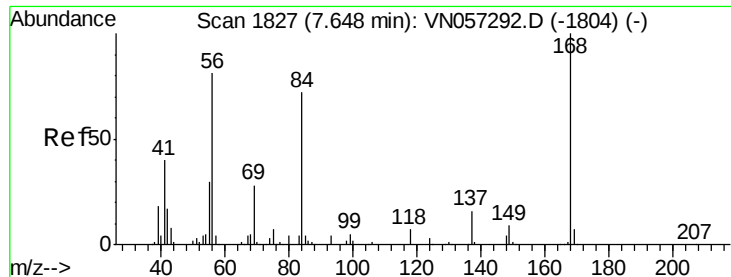
Tgt Ion: 42 Resp: 254709
Ion Ratio Lower Upper
42 100
72 48.6 37.8 56.6
71 46.7 35.7 53.5



#30
Chloroform
Concen: 19.870 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 83 Resp: 289751
Ion Ratio Lower Upper
83 100
85 64.8 53.3 79.9





#31

Cyclohexane

Concen: 18.299 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS02

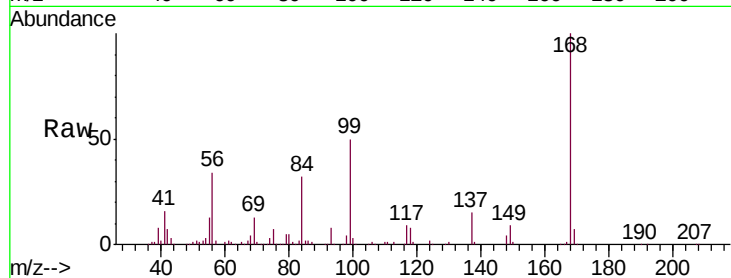
Tgt Ion: 56 Resp: 220660

Ion Ratio Lower Upper

56 100

69 39.5 27.3 40.9

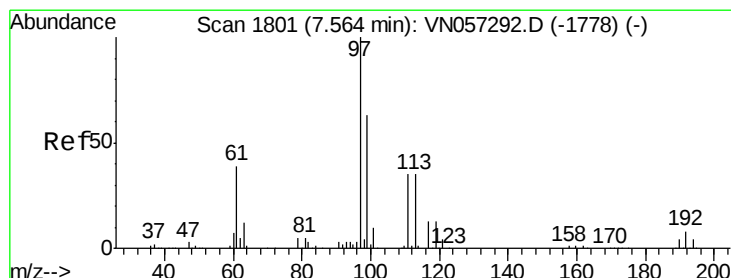
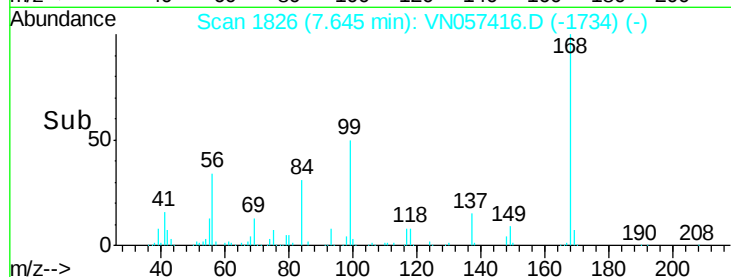
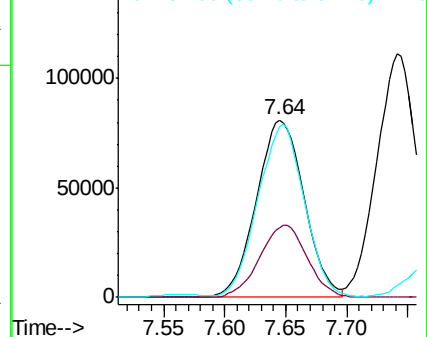
84 94.1 71.0 106.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 20.640 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

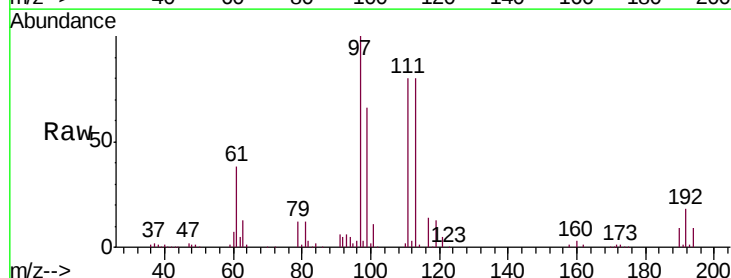
Tgt Ion: 97 Resp: 253154

Ion Ratio Lower Upper

97 100

99 64.8 50.3 75.5

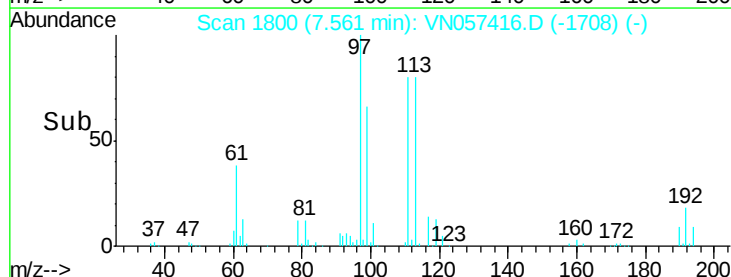
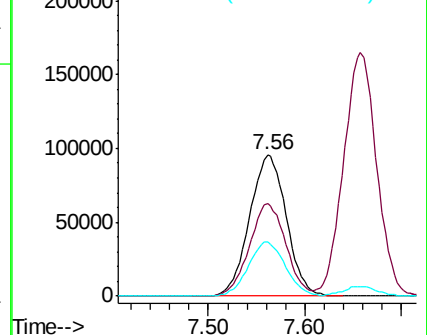
61 38.5 31.3 46.9

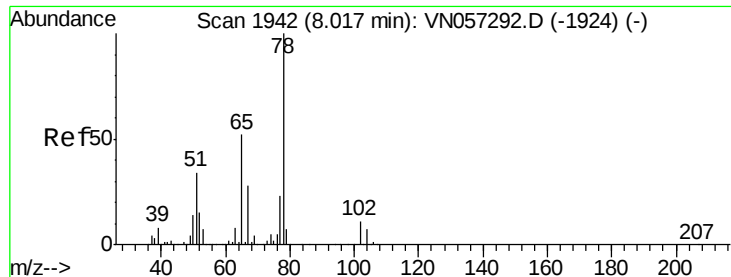


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 48.215 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

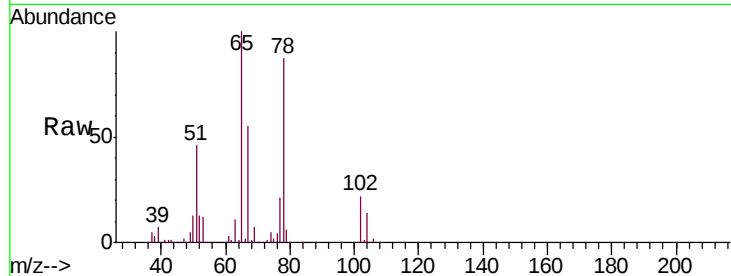
VN0819WBS02

Tgt Ion: 65 Resp: 426702

Ion Ratio Lower Upper

65 100

67 54.5 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

200000

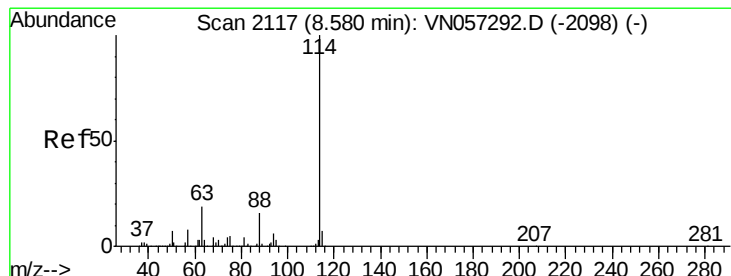
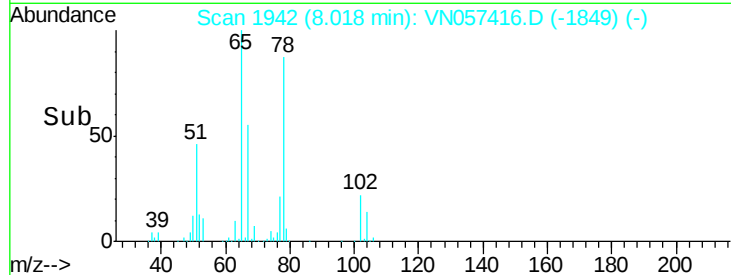
150000

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

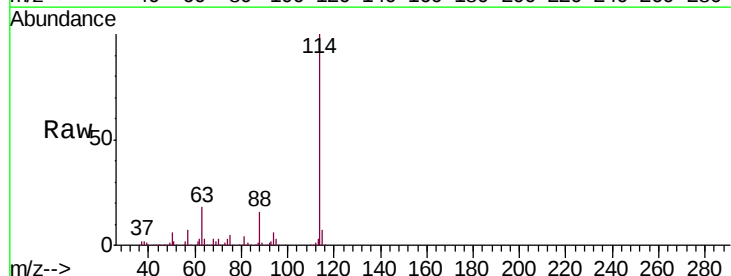
Tgt Ion: 114 Resp: 1212998

Ion Ratio Lower Upper

114 100

63 18.0 0.0 38.8

88 15.6 0.0 31.4



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

8.58

800000

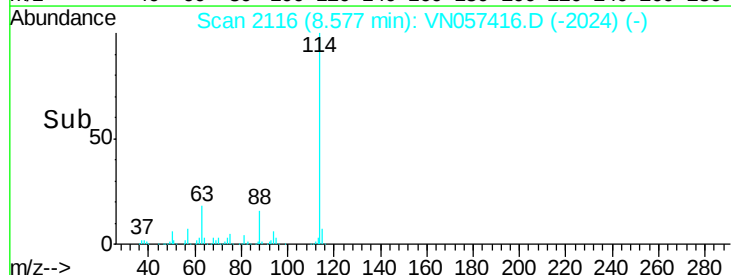
600000

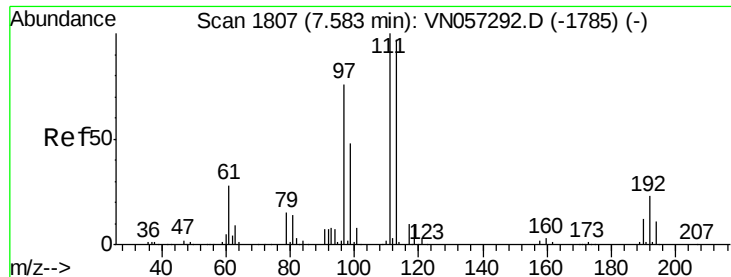
400000

200000

0

Time--> 8.50 8.60 8.70

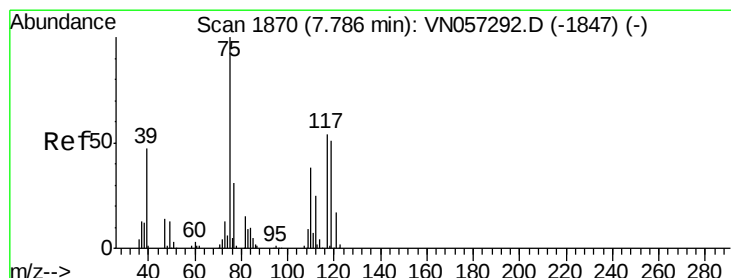
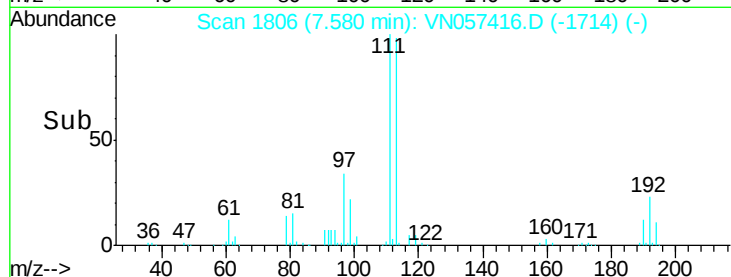
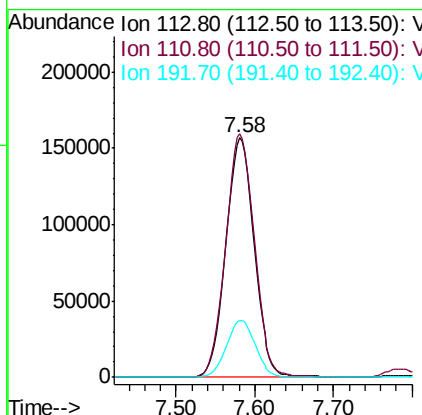
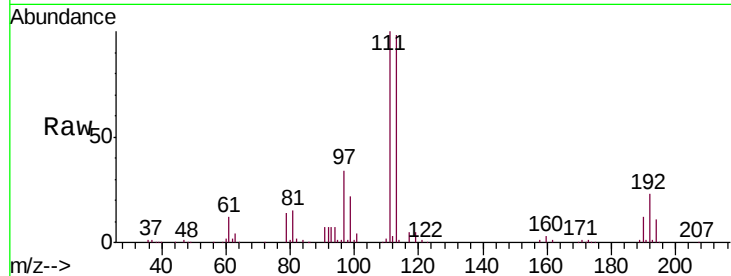




#35
 Dibromofluoromethane
 Concen: 49.427 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

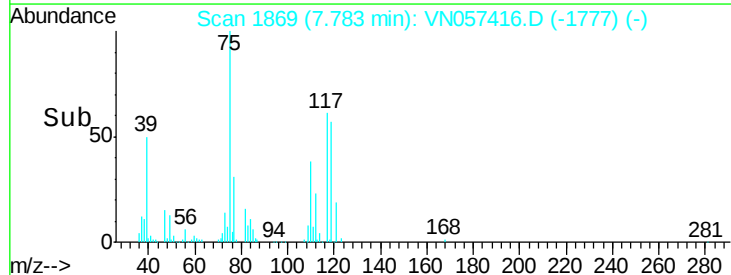
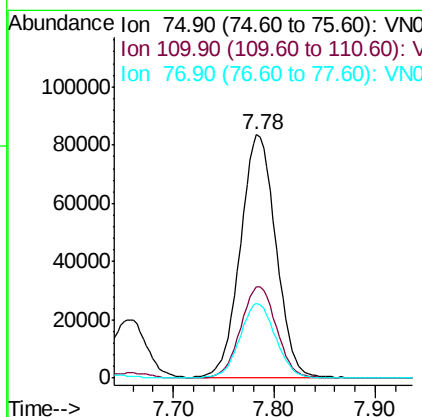
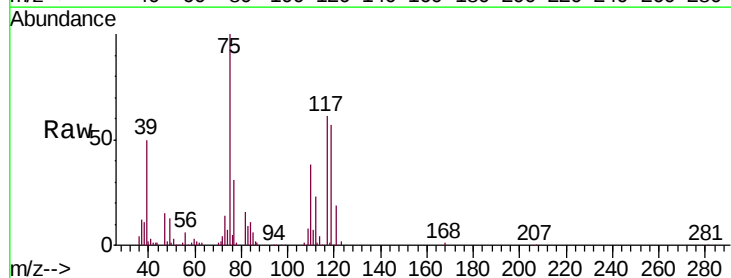
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS02

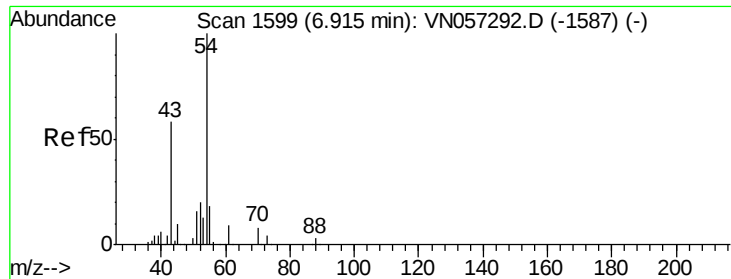
Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.1	123.1
192	24.2	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 18.956 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.2	19.5	58.5
77	30.9	25.0	37.6

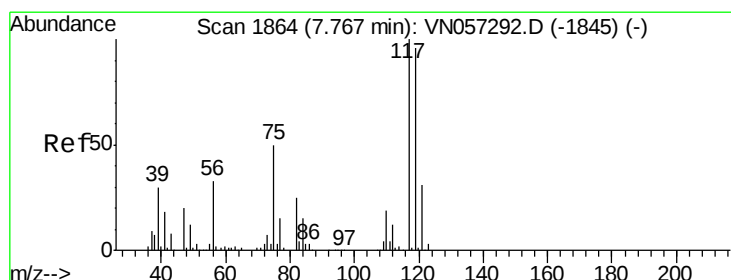
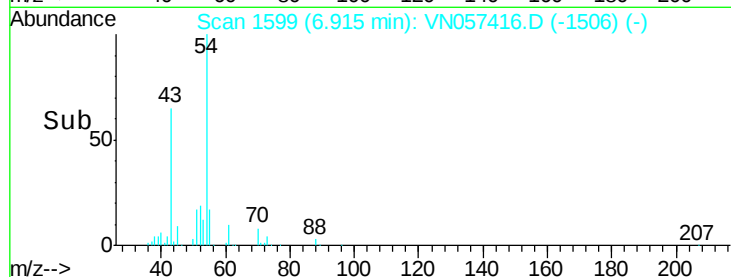
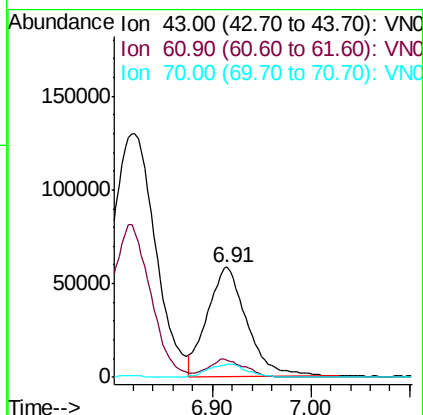
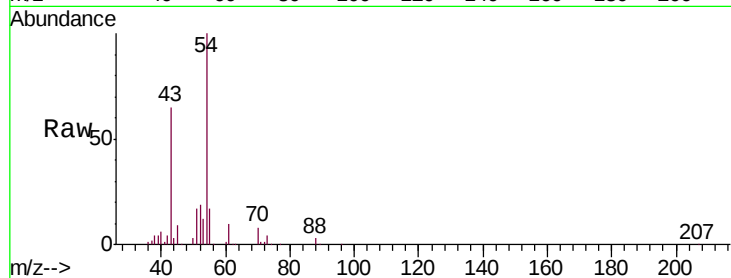




#37
Ethyl Acetate
Concen: 18.624 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

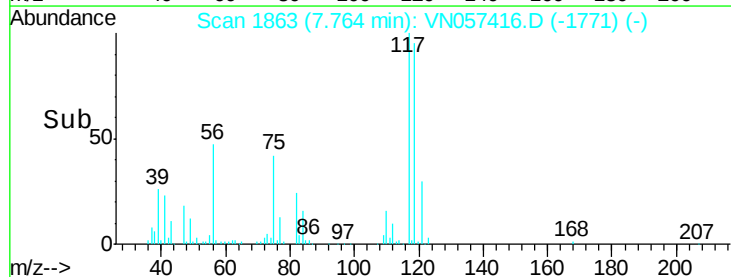
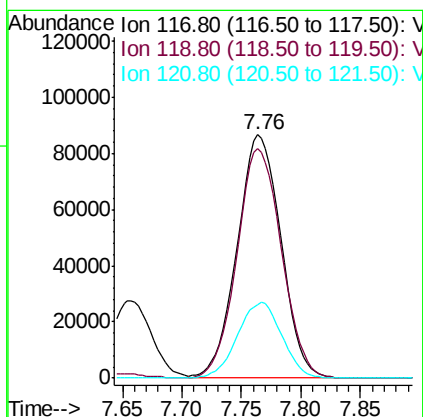
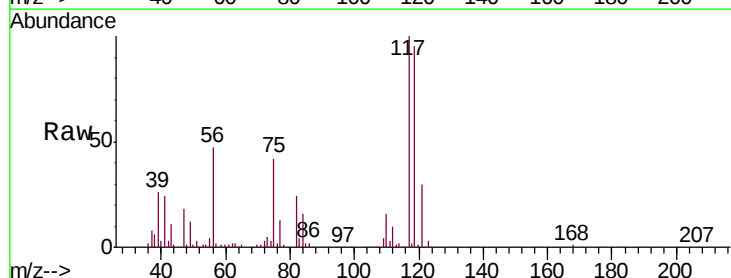
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

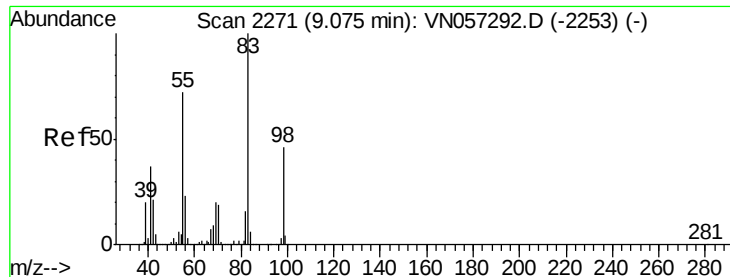
Tgt Ion: 43 Resp: 163365
Ion Ratio Lower Upper
43 100
61 14.4 12.0 18.0
70 11.3 9.2 13.8



#38
Carbon Tetrachloride
Concen: 19.769 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 117 Resp: 219981
Ion Ratio Lower Upper
117 100
119 94.6 76.8 115.2
121 30.3 25.0 37.4

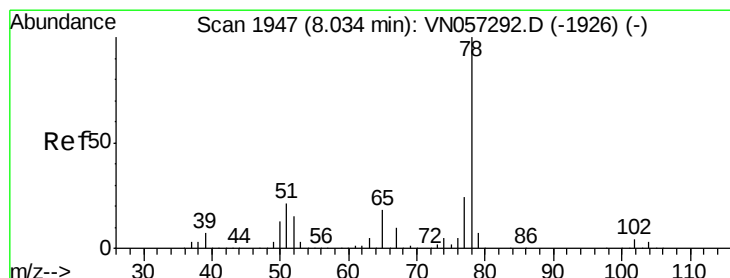
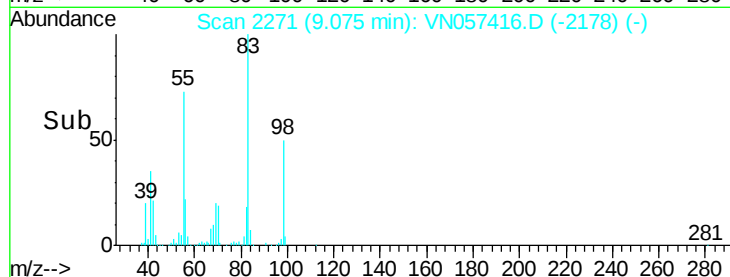
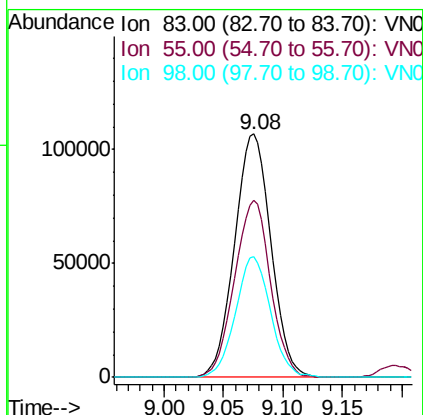
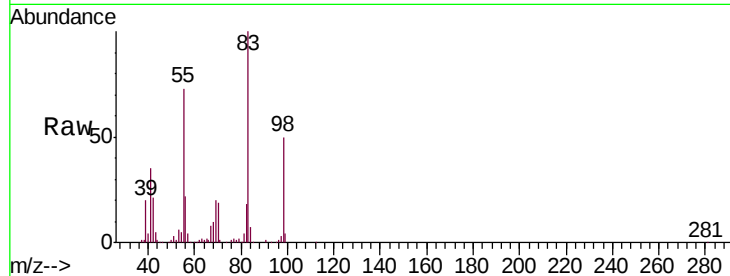




#39
Methylcyclohexane
Concen: 18.118 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

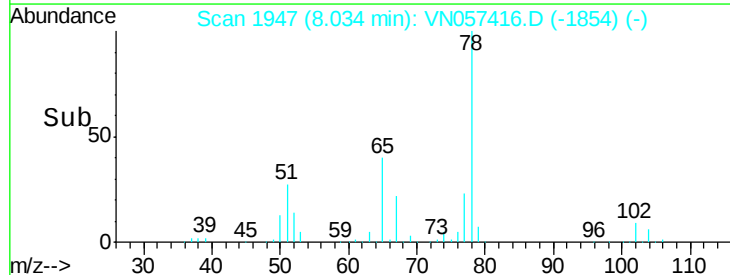
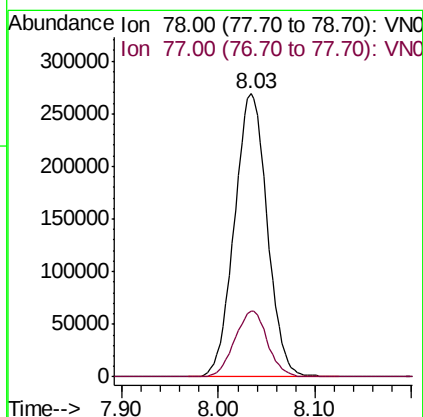
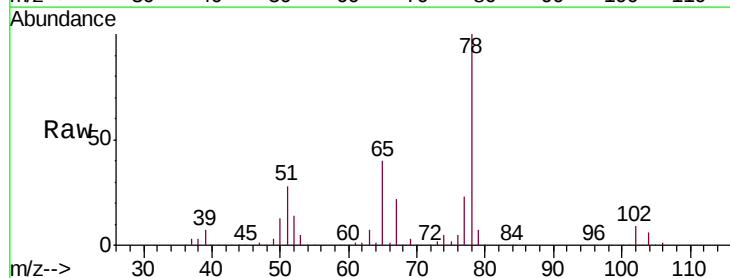
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

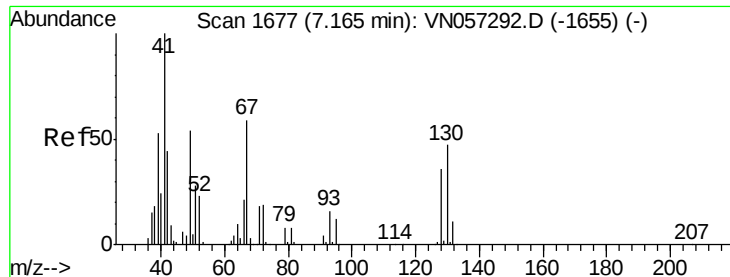
Tgt Ion: 83 Resp: 226579
Ion Ratio Lower Upper
83 100
55 72.8 57.5 86.3
98 49.6 36.6 55.0



#40
Benzene
Concen: 19.382 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 78 Resp: 634926
Ion Ratio Lower Upper
78 100
77 23.2 19.1 28.7

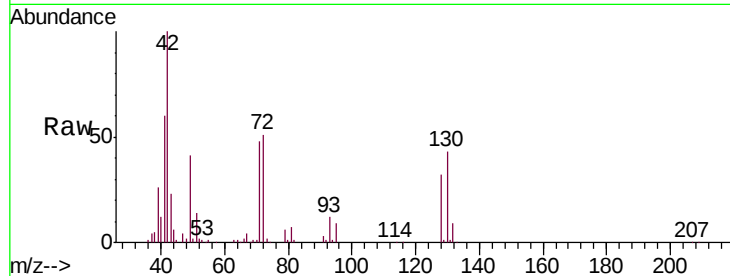




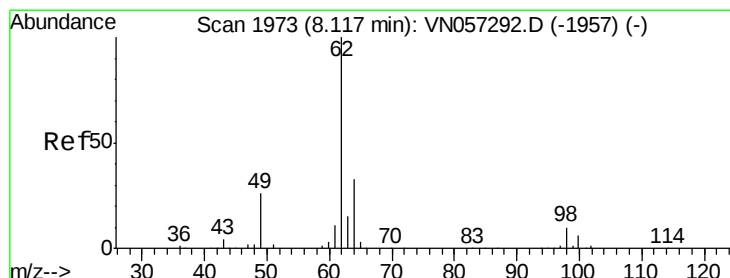
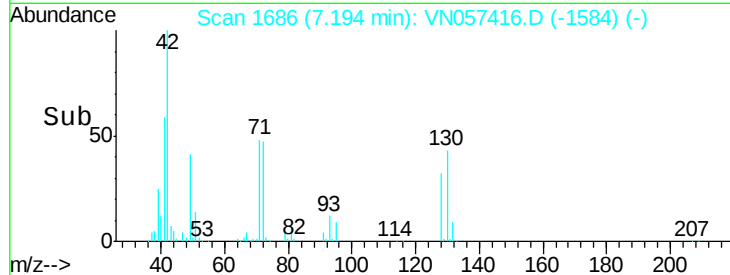
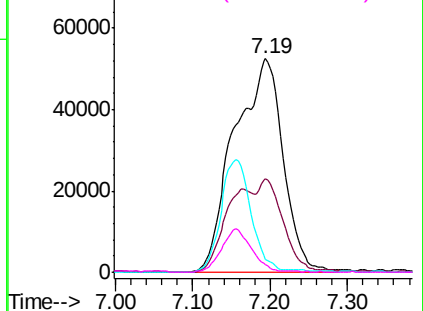
#41
Methacrylonitrile
Concen: 58.573 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.03 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

Tgt Ion:	41	Resp:	231382
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

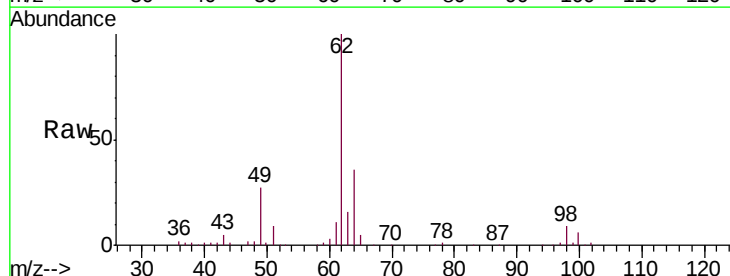


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

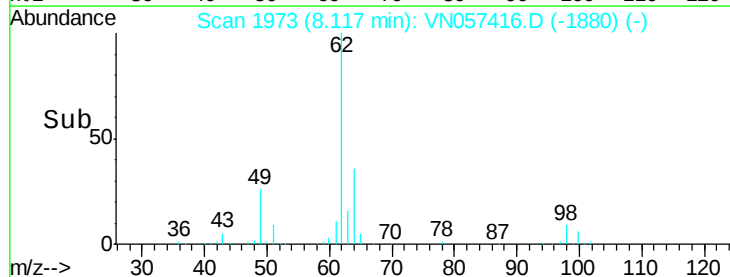
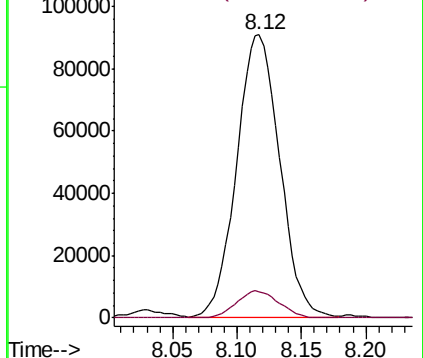


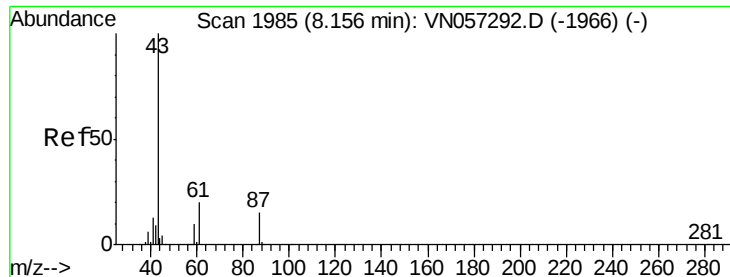
#42
1,2-Dichloroethane
Concen: 19.373 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion:	62	Resp:	210037
Ion	Ratio	Lower	Upper
62	100		
98	9.6	0.0	19.4



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





#43

Isopropyl Acetate

Concen: 18.022 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS02

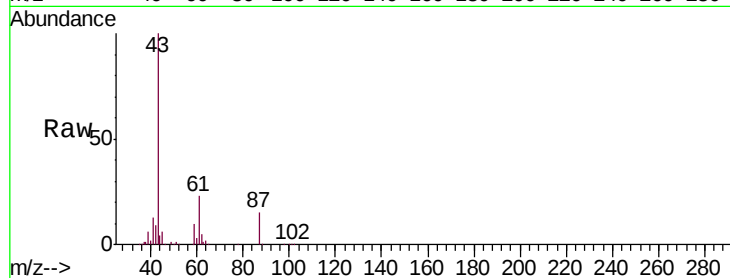
Tgt Ion: 43 Resp: 300687

Ion Ratio Lower Upper

43 100

61 21.9 21.6 32.4

87 14.8 11.4 17.0

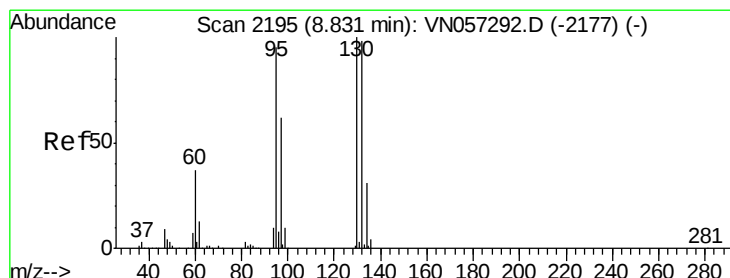
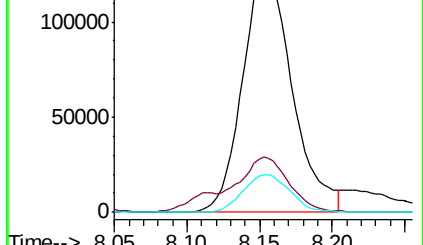
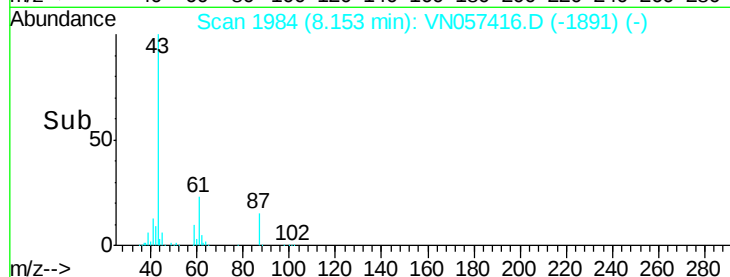


Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057292.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057292.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 19.933 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057416.D

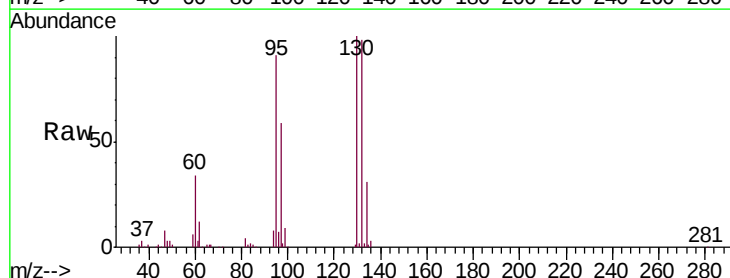
Acq: 19 Aug 2019 22:48

Tgt Ion: 130 Resp: 183580

Ion Ratio Lower Upper

130 100

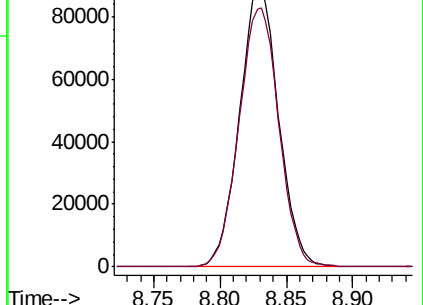
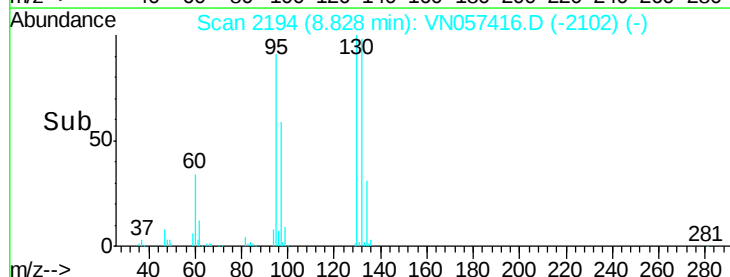
95 91.0 0.0 189.2

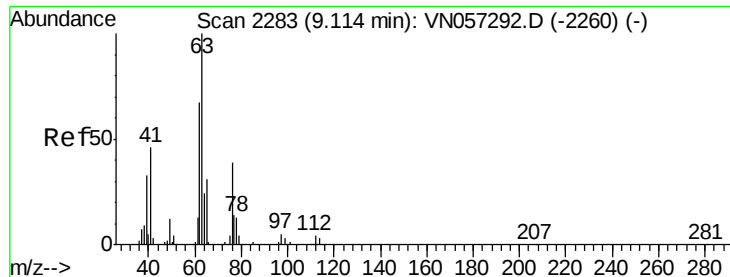


Abundance Ion 129.80 (129.50 to 130.50): VN057292.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057292.D (-2177) (-)

Time-->





#45

1,2-Dichloropropane

Concen: 19.312 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

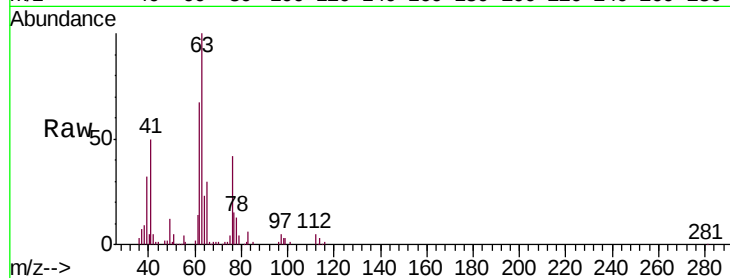
VN0819WBS02

Tgt Ion: 63 Resp: 163065

Ion Ratio Lower Upper

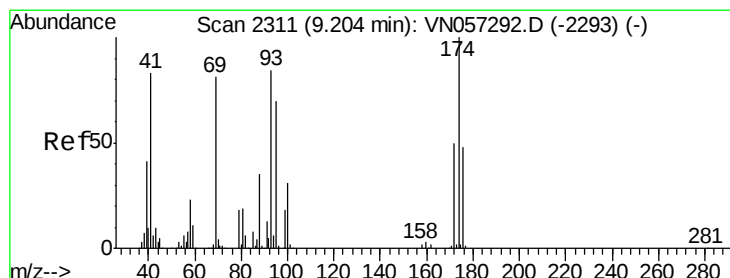
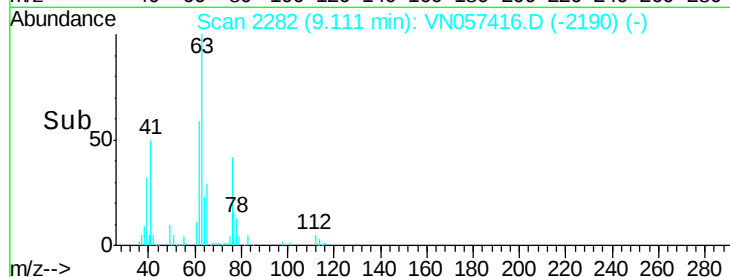
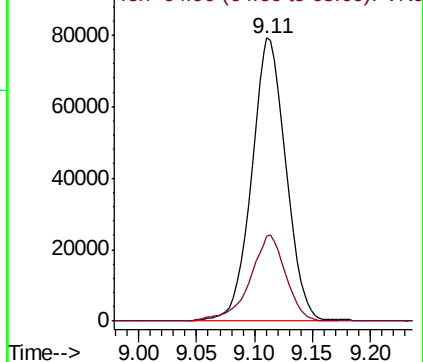
63 100

65 30.0 24.8 37.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.637 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

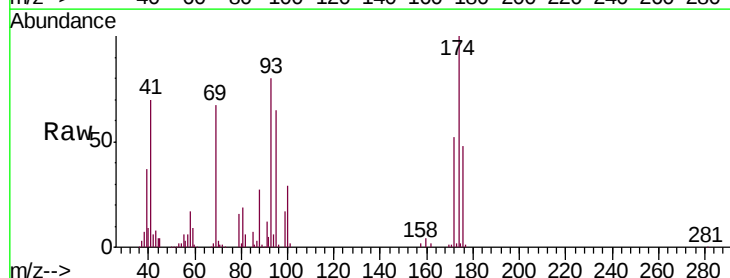
Tgt Ion: 93 Resp: 110613

Ion Ratio Lower Upper

93 100

95 83.3 66.5 99.7

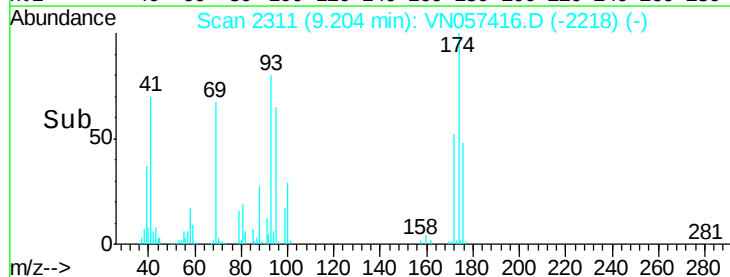
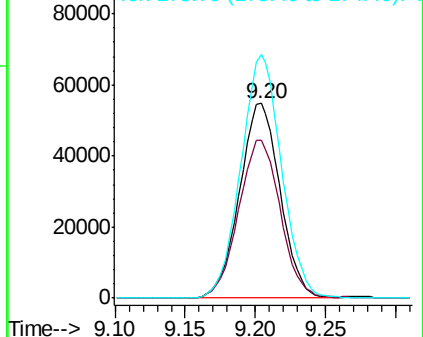
174 125.4 95.7 143.5

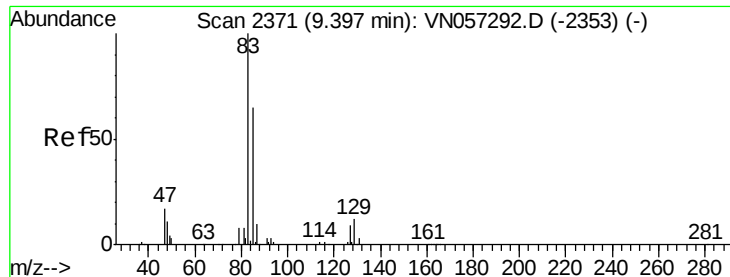


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 19.921 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS02

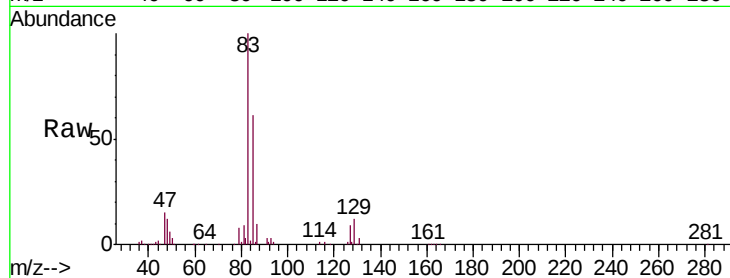
Tgt Ion: 83 Resp: 222333

Ion Ratio Lower Upper

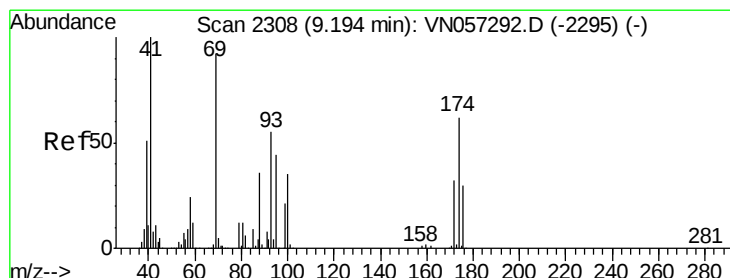
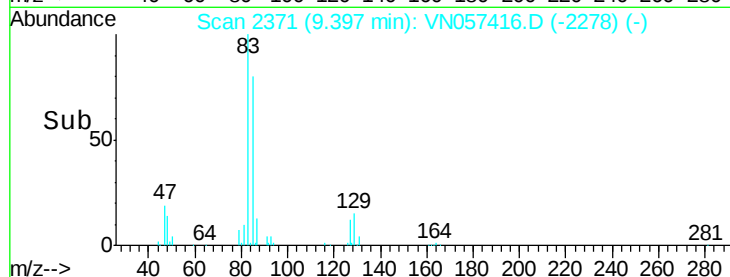
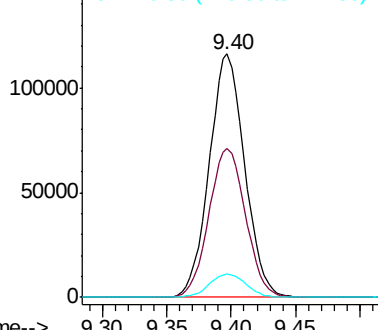
83 100

85 61.0 51.9 77.9

127 9.5 7.2 10.8



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



#48

Methyl methacrylate

Concen: 18.560 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

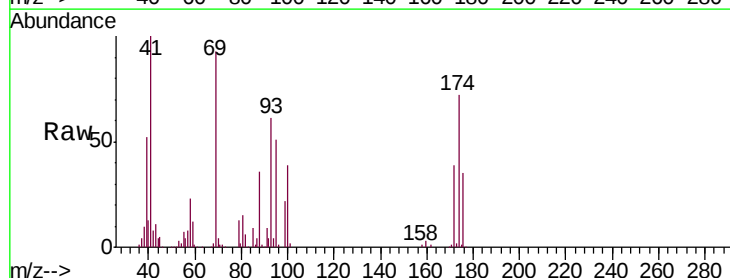
Tgt Ion: 41 Resp: 134069

Ion Ratio Lower Upper

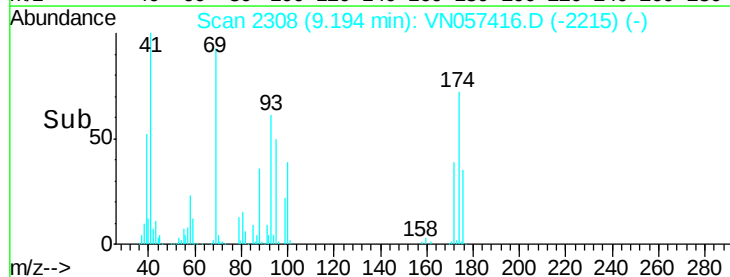
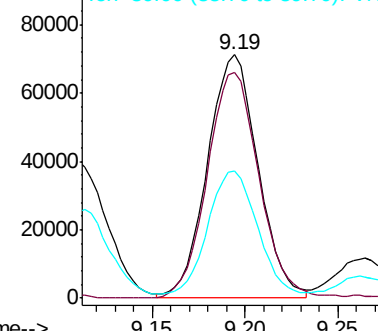
41 100

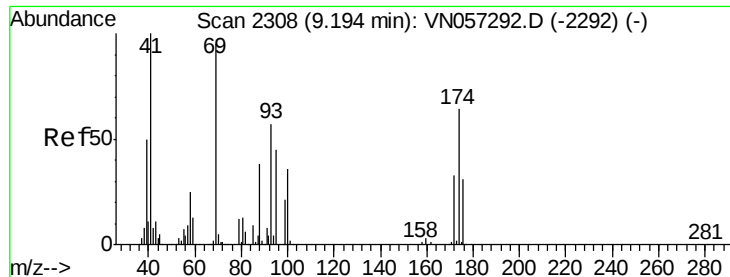
69 96.0 75.9 113.9

39 52.7 42.3 63.5



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 39.00 (38.70 to 39.70): VNO

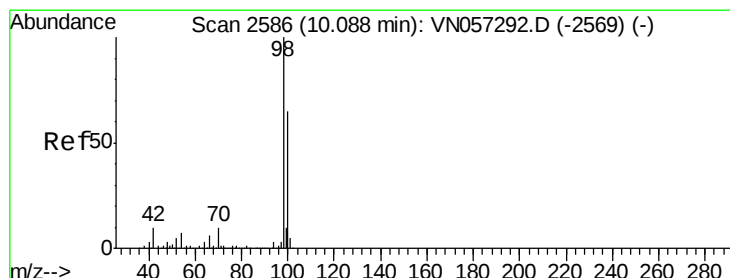
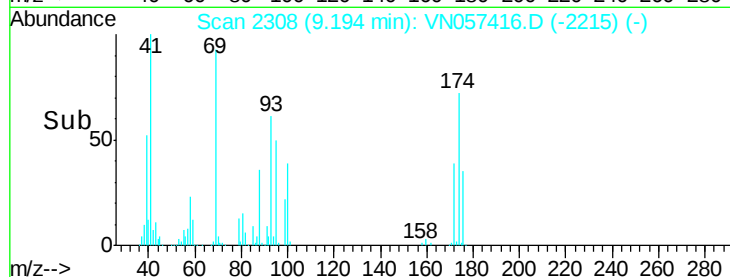
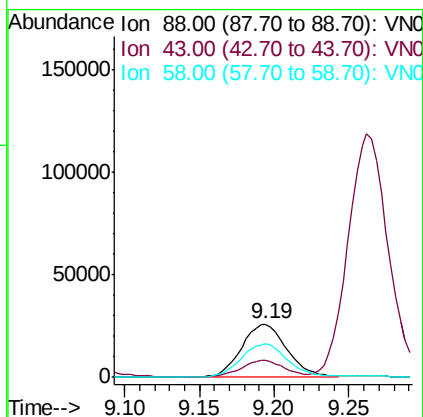
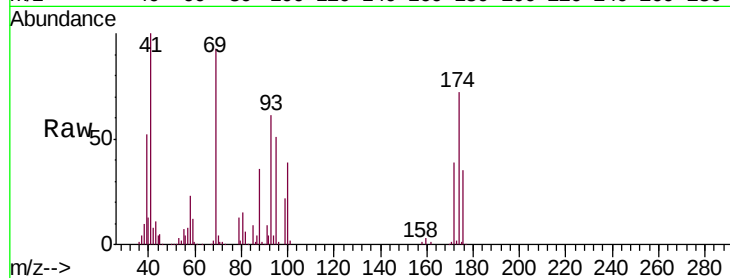




#49
1,4-Dioxane
Concen: 362.242 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

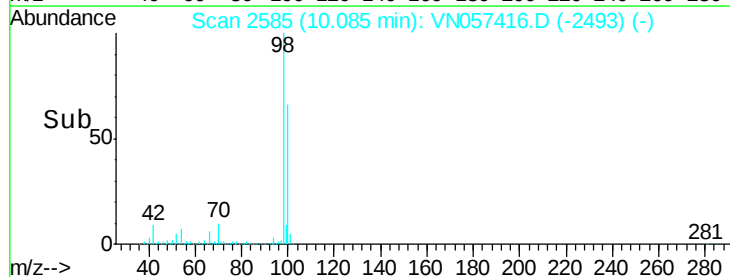
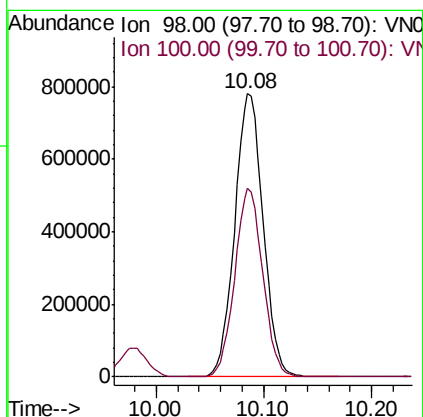
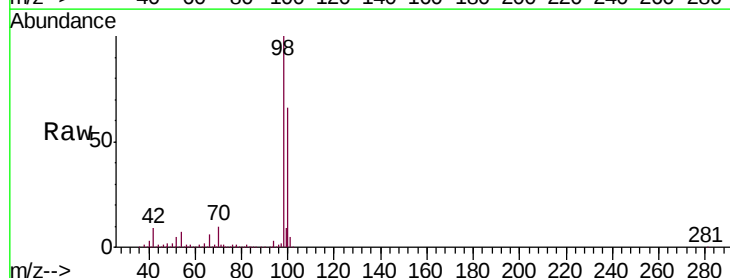
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

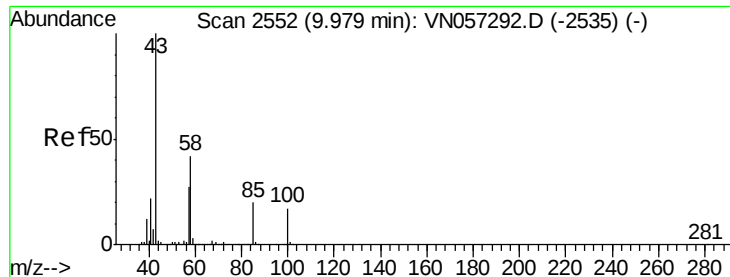
Tgt Ion: 88 Resp: 55027
Ion Ratio Lower Upper
88 100
43 29.7 22.9 34.3
58 64.0 52.7 79.1



#50
Toluene-d8
Concen: 49.295 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 98 Resp: 1433623
Ion Ratio Lower Upper
98 100
100 65.5 51.9 77.9

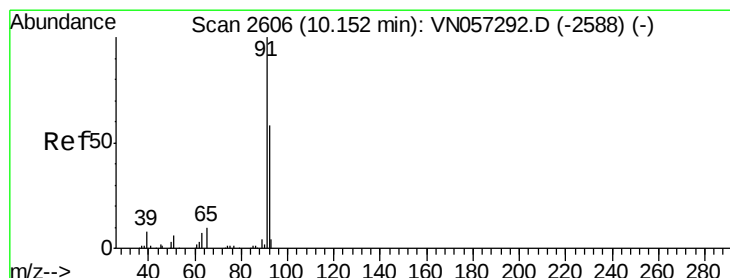
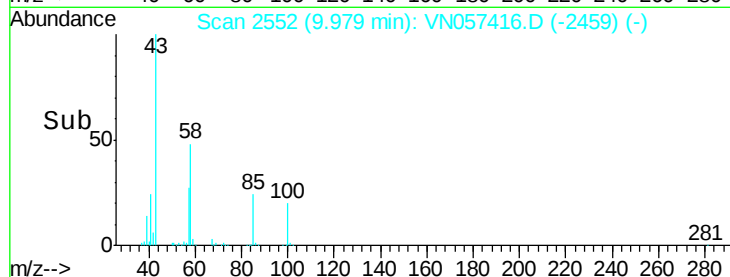
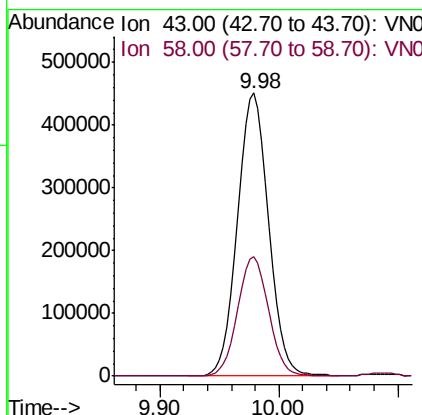
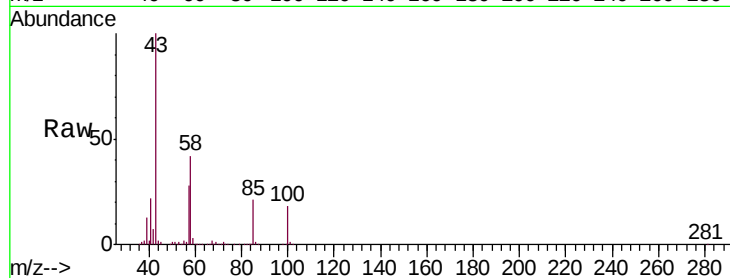




#51
 4-Methyl-2-Pentanone
 Concen: 90.450 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

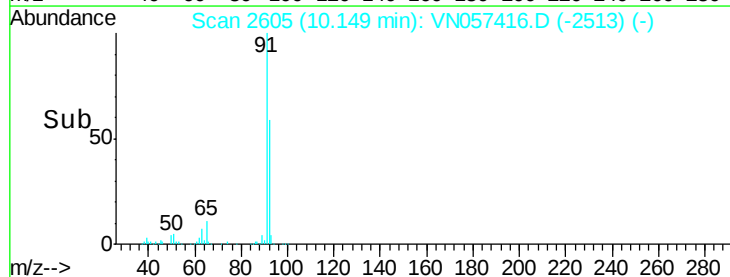
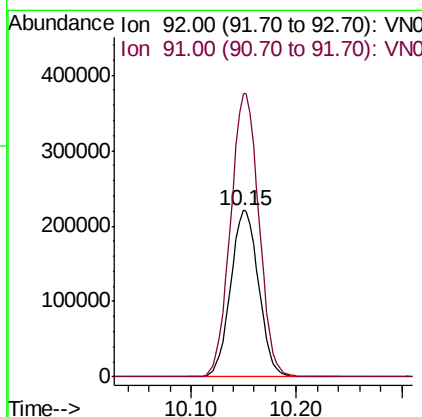
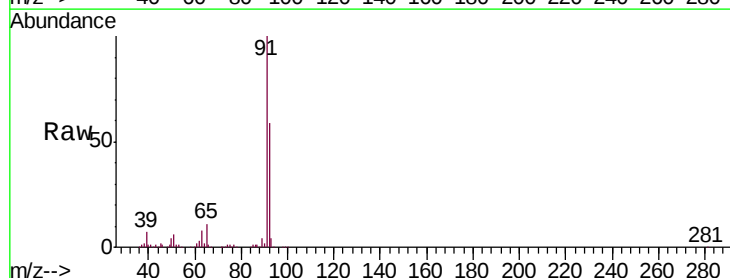
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS02

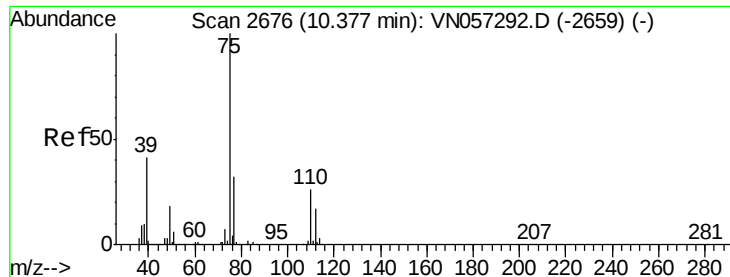
Tgt Ion: 43 Resp: 818527
 Ion Ratio Lower Upper
 43 100
 58 42.1 33.2 49.8



#52
 Toluene
 Concen: 19.853 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Tgt Ion: 92 Resp: 404792
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 18.978 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampled :

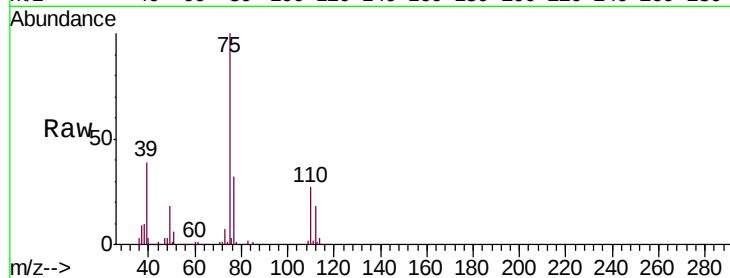
VN0819WBS02

Tgt Ion: 75 Resp: 229107

Ion Ratio Lower Upper

75 100

77 32.4 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

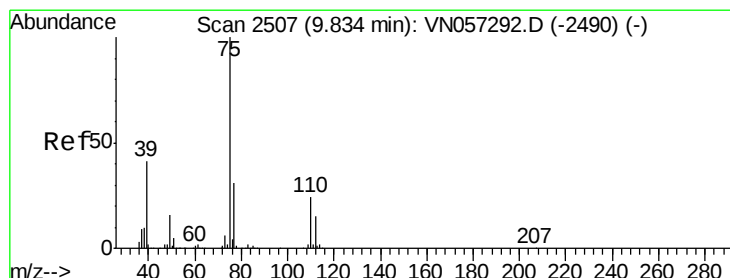
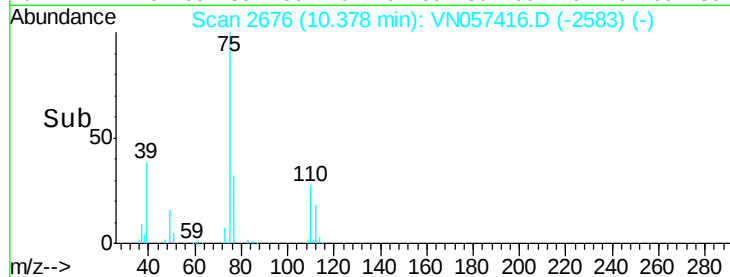
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.321 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

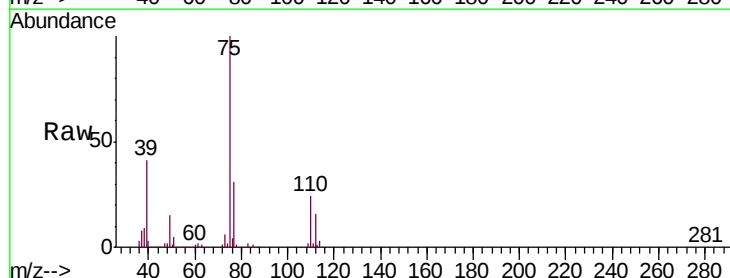
Tgt Ion: 75 Resp: 257205

Ion Ratio Lower Upper

75 100

77 31.5 24.9 37.3

39 40.8 32.7 49.1



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

9.83

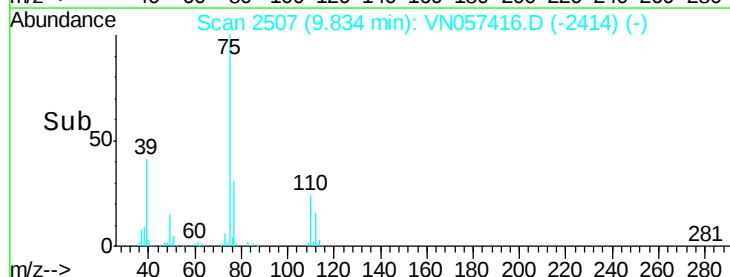
150000

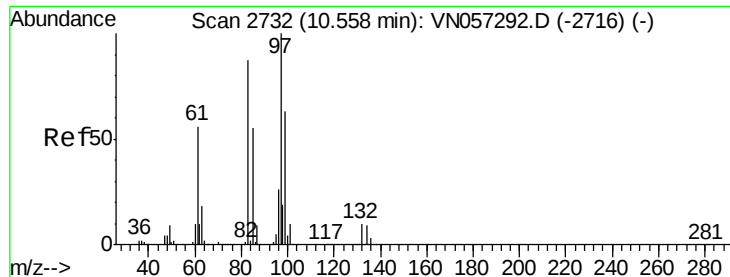
100000

50000

0

Time-->

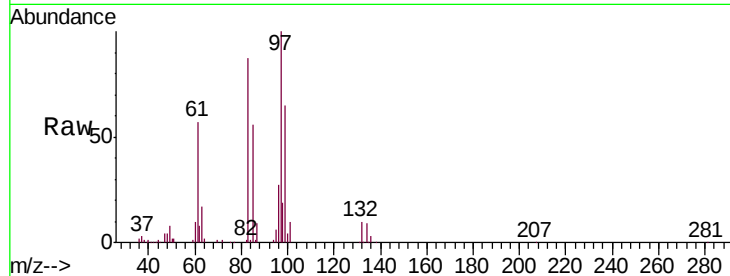




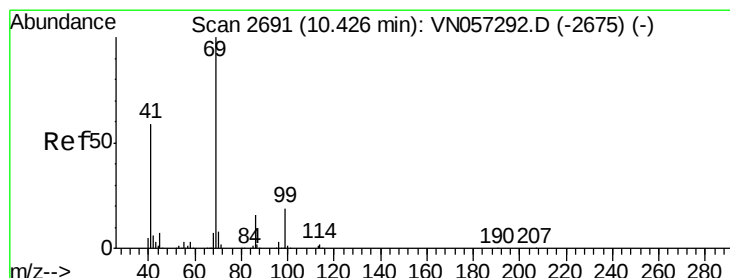
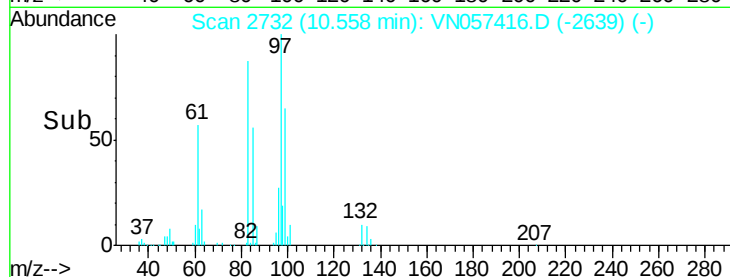
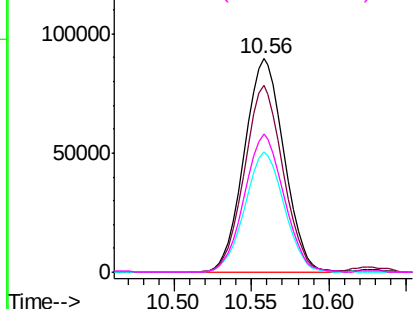
#55
 1,1,2-Trichloroethane
 Concen: 20.037 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS02

Tgt Ion: 97 Resp: 160643
 Ion Ratio Lower Upper
 97 100
 83 87.2 69.8 104.8
 85 56.2 44.1 66.1
 99 64.5 50.2 75.2

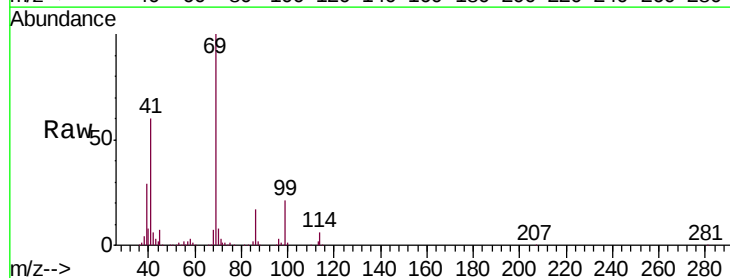


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

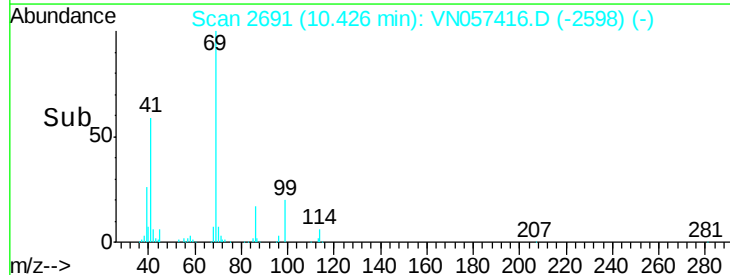
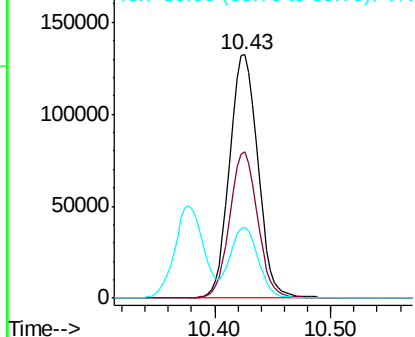


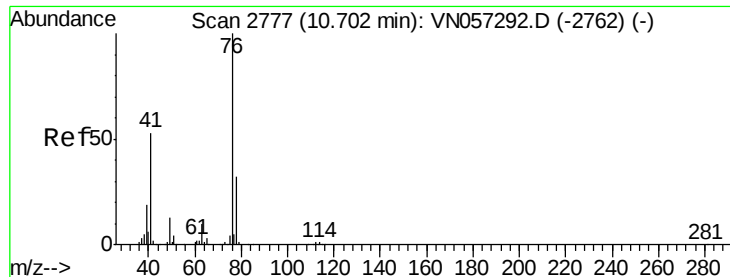
#56
 Ethyl methacrylate
 Concen: 19.102 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Tgt Ion: 69 Resp: 223504
 Ion Ratio Lower Upper
 69 100
 41 57.9 48.2 72.2
 39 28.6 23.4 35.0



Abundance Ion 69.00 (68.70 to 69.70): VN0
 Ion 41.00 (40.70 to 41.70): VN0
 Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.520 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

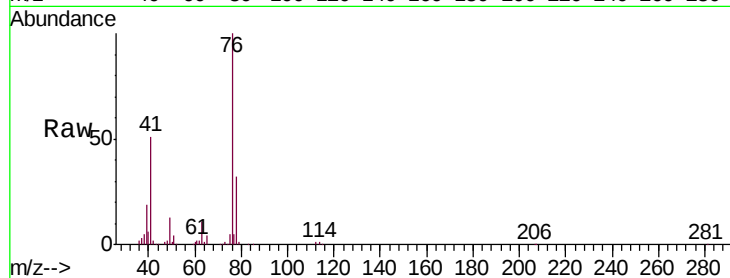
VN0819WBS02

Tgt Ion: 76 Resp: 261441

Ion Ratio Lower Upper

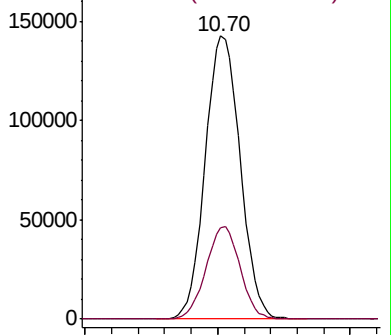
76 100

78 32.0 25.6 38.4

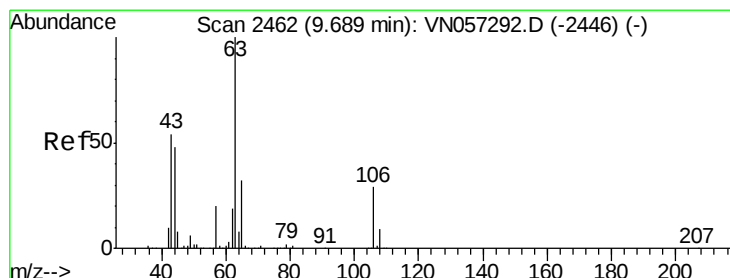
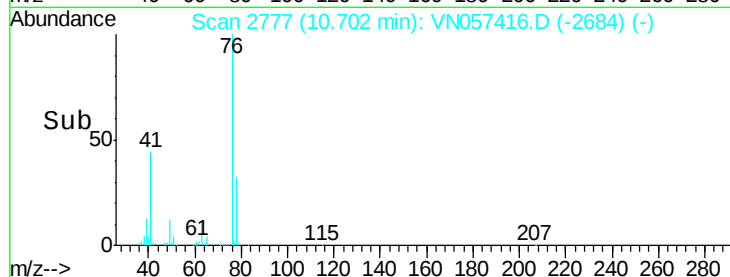


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 74.697 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057416.D

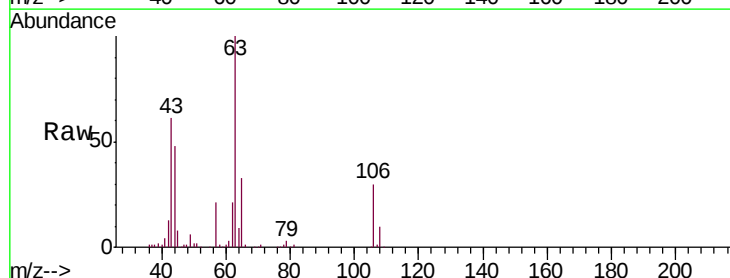
Acq: 19 Aug 2019 22:48

Tgt Ion: 63 Resp: 215888

Ion Ratio Lower Upper

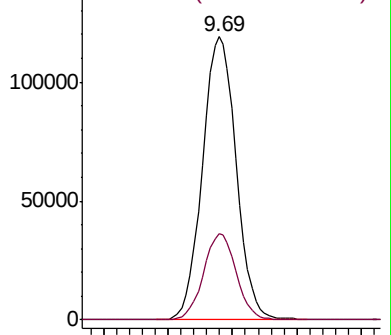
63 100

106 29.5 23.2 34.8

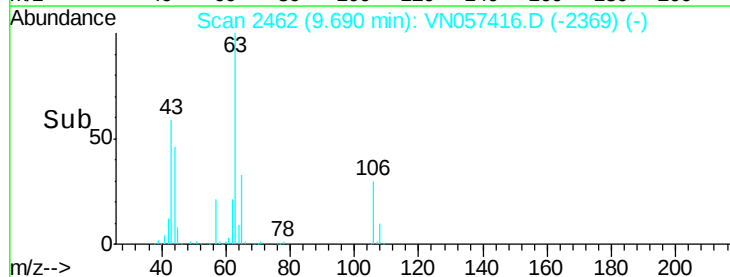


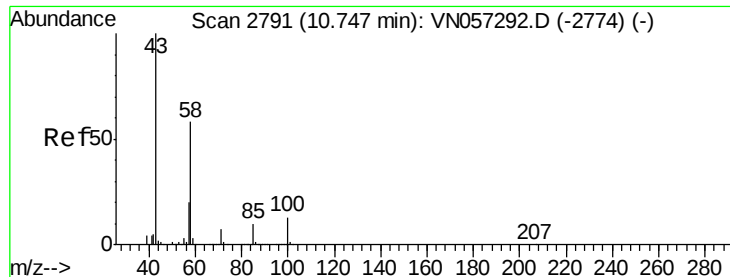
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.65 9.70 9.75

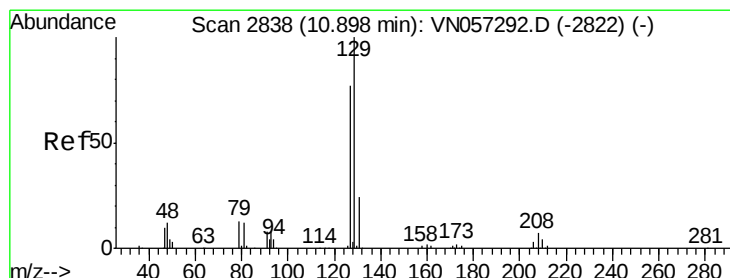
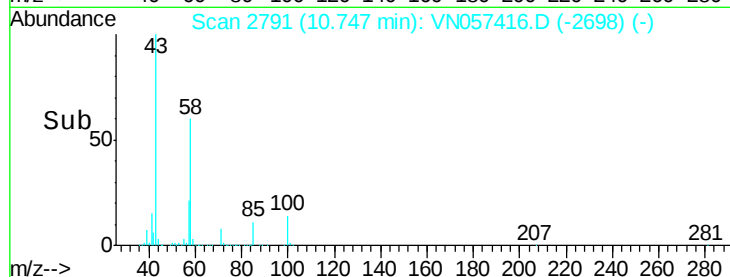
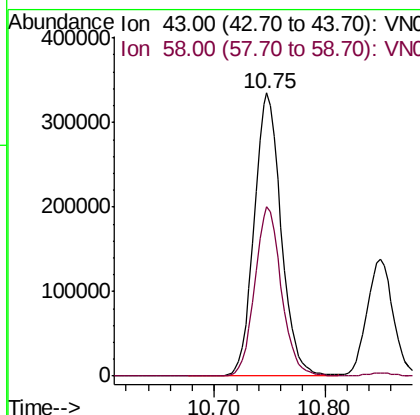
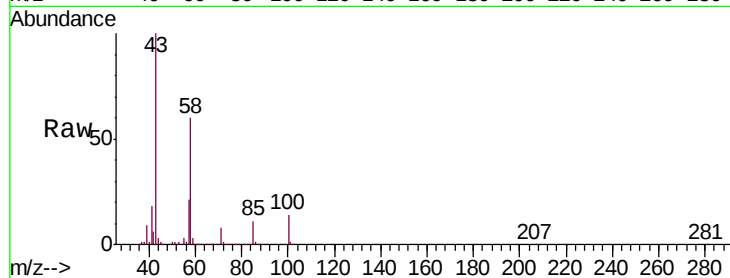




#59
2-Hexanone
Concen: 87.271 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

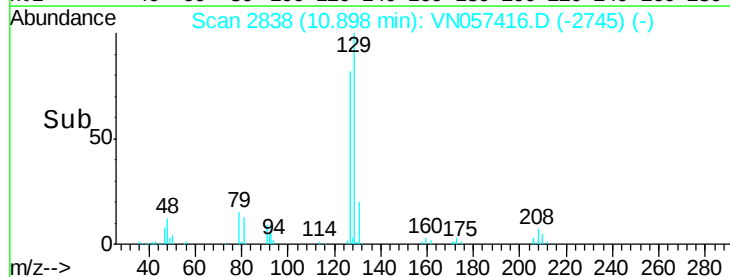
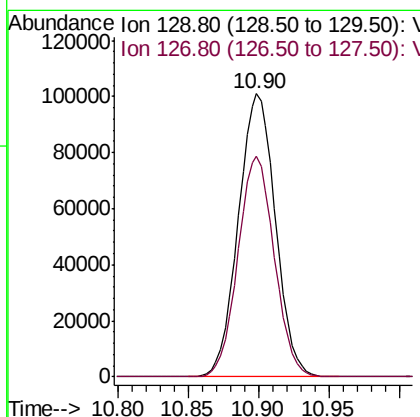
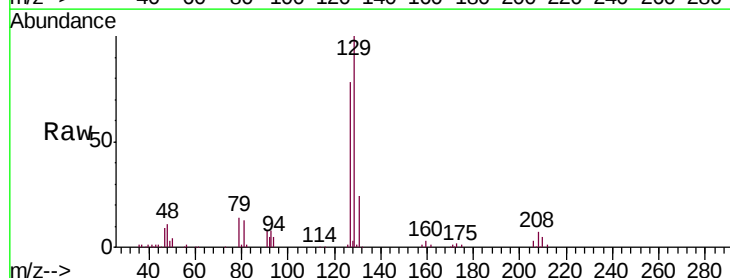
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

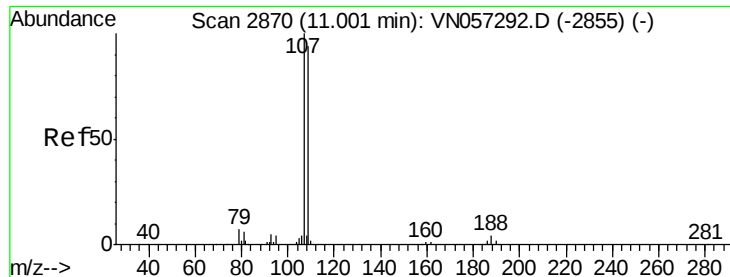
Tgt Ion: 43 Resp: 567783
Ion Ratio Lower Upper
43 100
58 59.0 28.6 85.9



#60
Dibromochloromethane
Concen: 20.676 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 129 Resp: 185769
Ion Ratio Lower Upper
129 100
127 76.5 39.0 116.9





#61

1,2-Dibromoethane

Concen: 20.069 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

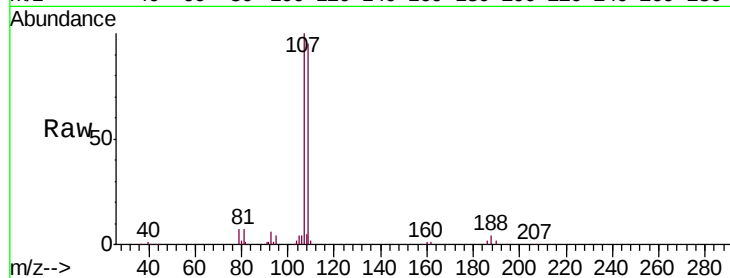
VN0819WBS02

Tgt Ion: 107 Resp: 171403

Ion Ratio Lower Upper

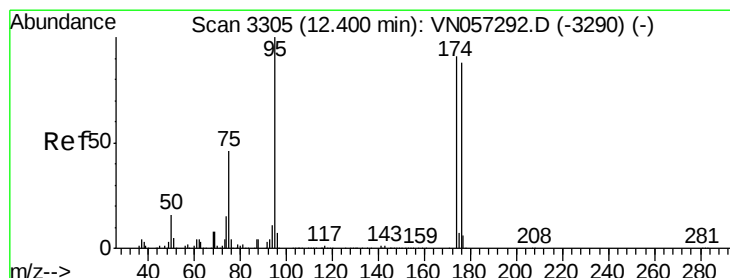
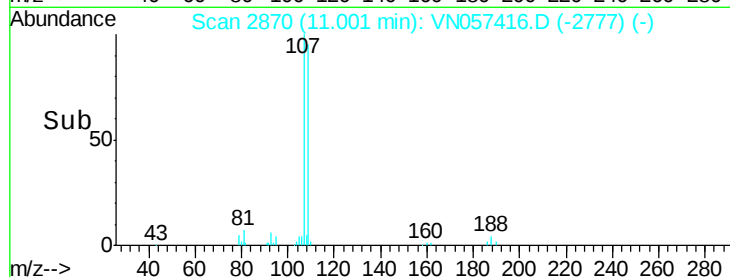
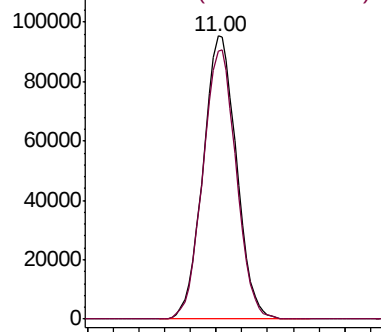
107 100

109 94.8 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.842 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

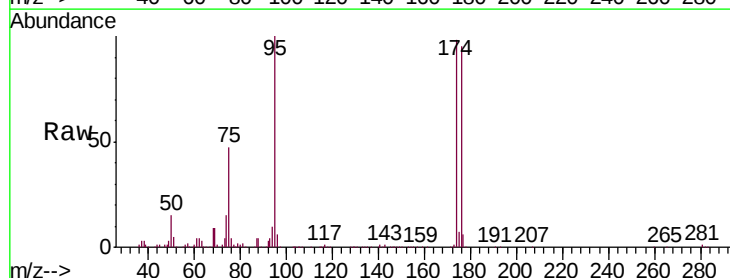
Tgt Ion: 95 Resp: 460865

Ion Ratio Lower Upper

95 100

174 96.8 0.0 185.0

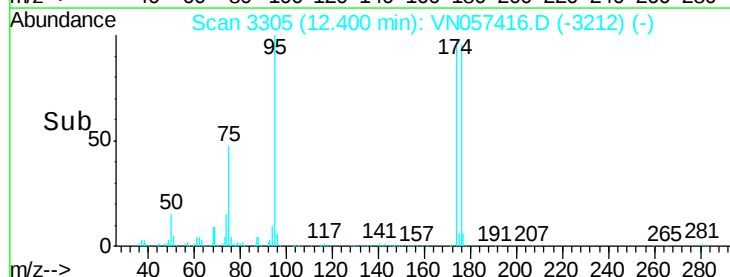
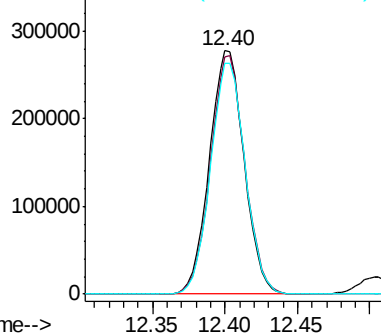
176 94.6 0.0 181.0

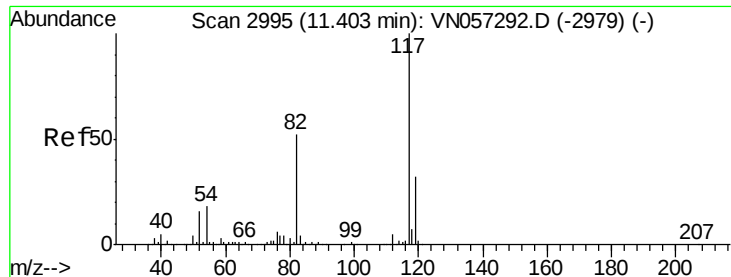


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

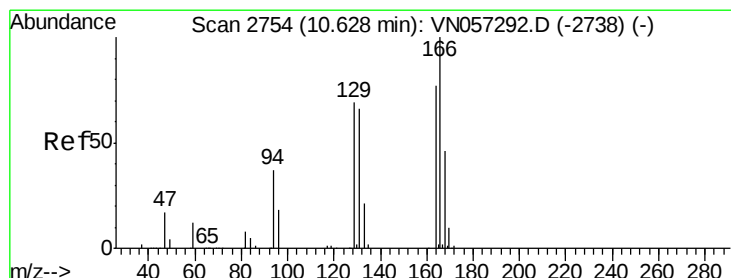
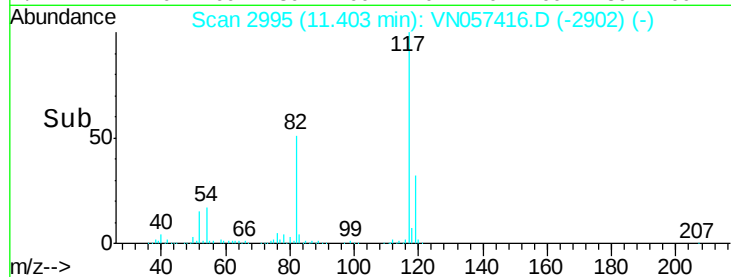
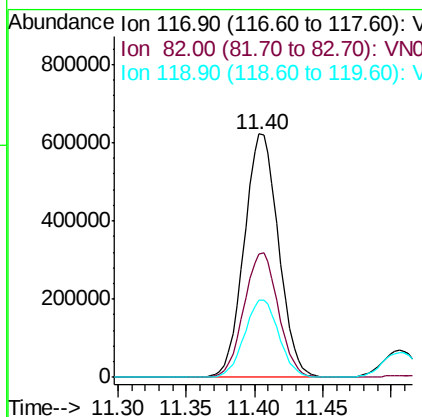
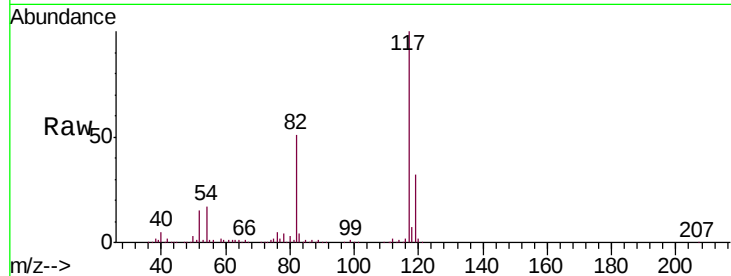




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

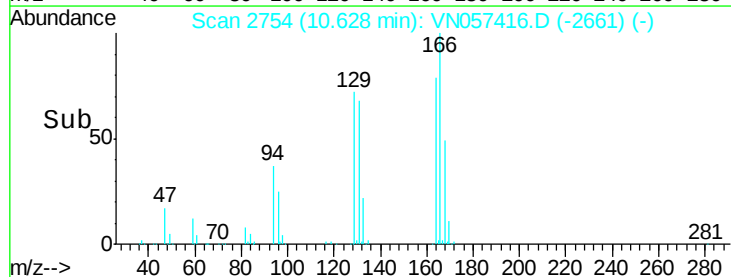
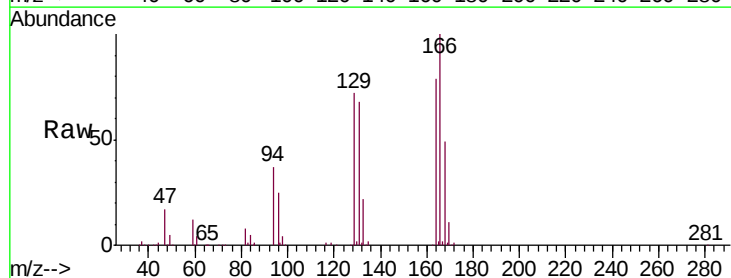
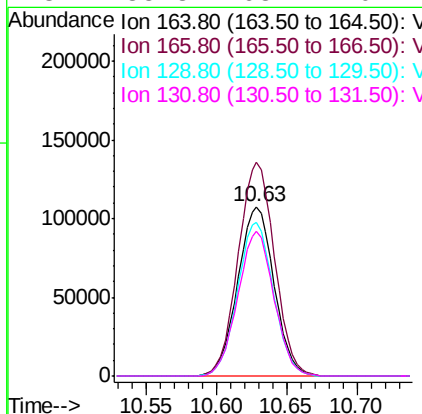
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

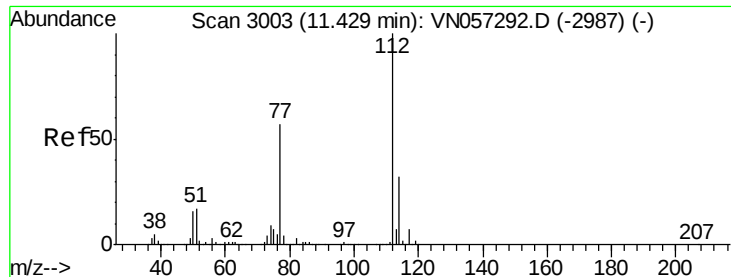
Tgt Ion:117 Resp: 1086023
Ion Ratio Lower Upper
117 100
82 50.9 41.2 61.8
119 31.8 25.8 38.8



#64
Tetrachloroethene
Concen: 20.673 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion:164 Resp: 194084
Ion Ratio Lower Upper
164 100
166 126.4 103.5 155.3
129 90.8 71.2 106.8
131 85.3 68.2 102.4

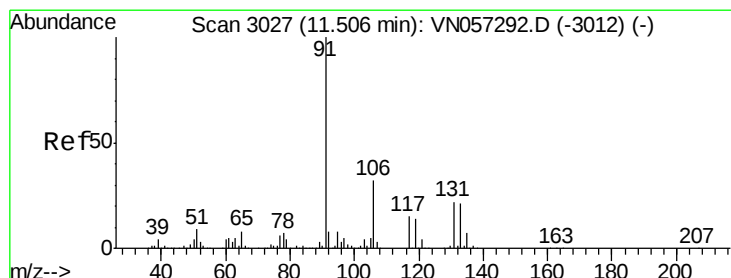
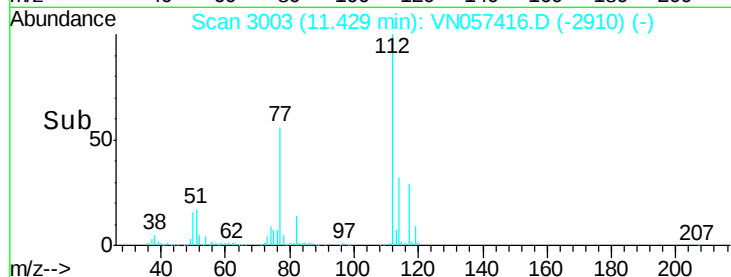
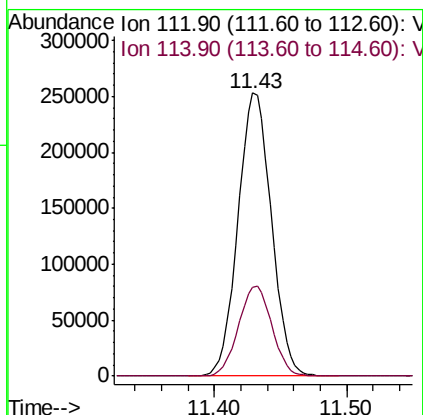
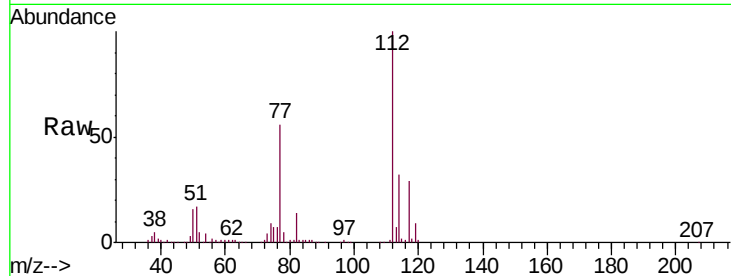




#65
Chlorobenzene
Concen: 19.996 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

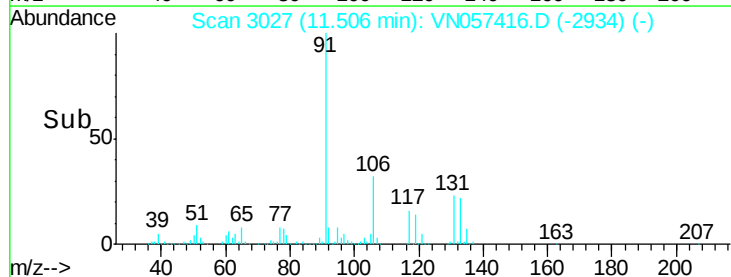
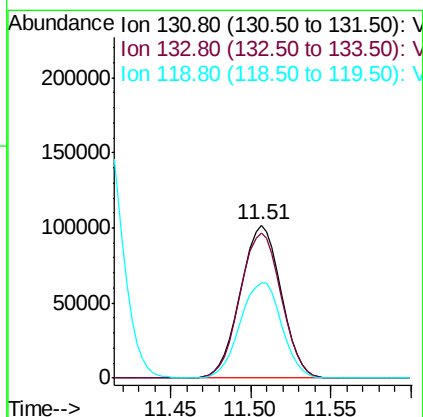
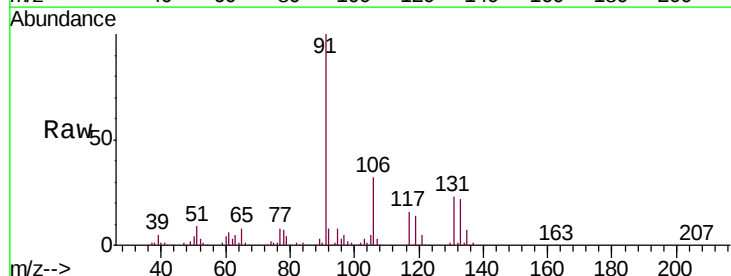
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

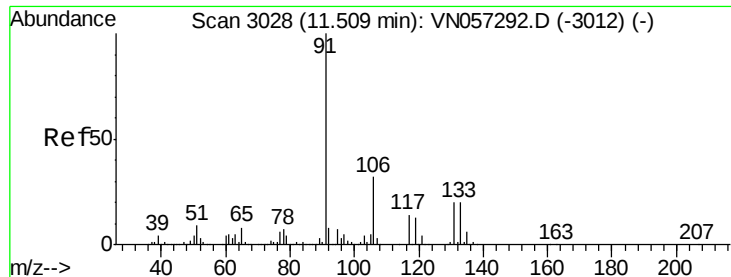
Tgt Ion:112 Resp: 442918
Ion Ratio Lower Upper
112 100
114 31.6 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.840 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion:131 Resp: 176783
Ion Ratio Lower Upper
131 100
133 96.8 47.6 142.8
119 64.1 32.0 96.2

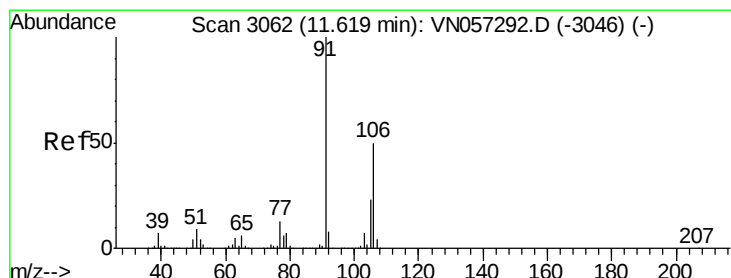
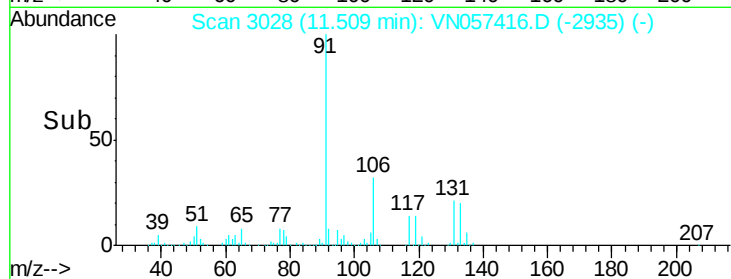
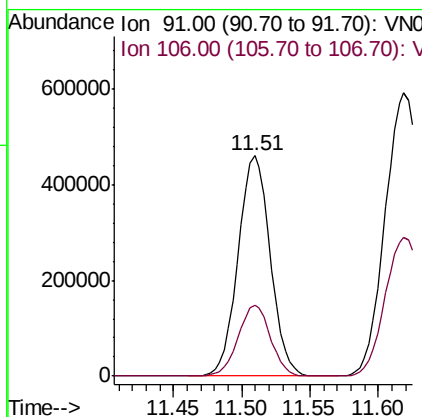
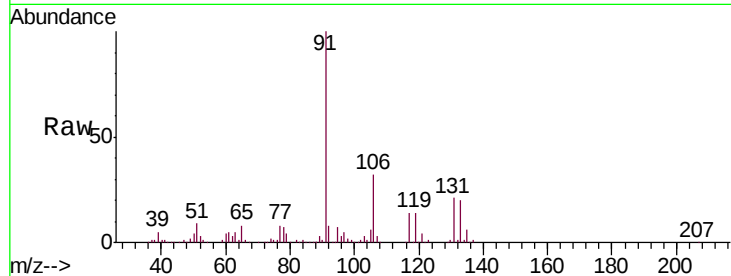




#67
Ethyl Benzene
Concen: 19.478 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

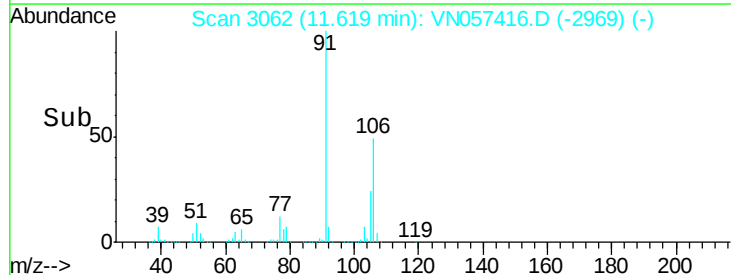
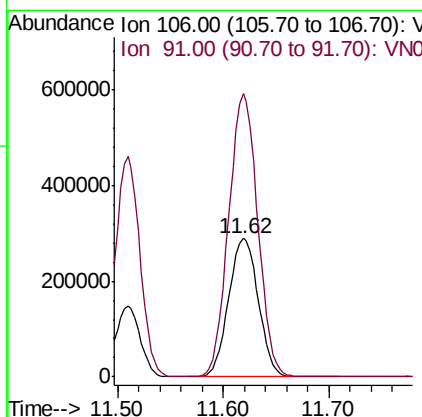
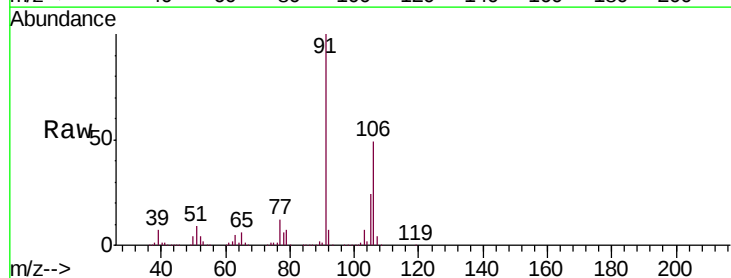
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

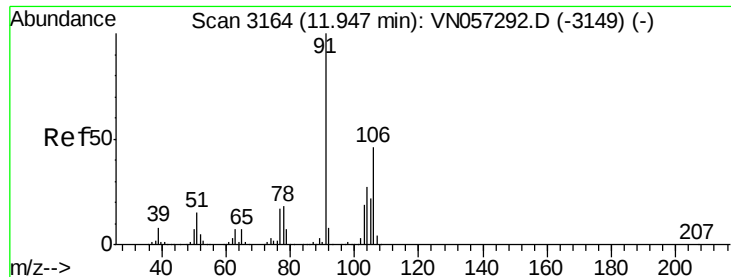
Tgt Ion: 91 Resp: 754808
Ion Ratio Lower Upper
91 100
106 32.3 25.5 38.3



#68
m/p-Xylenes
Concen: 39.486 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion: 106 Resp: 563776
Ion Ratio Lower Upper
106 100
91 199.7 161.5 242.3

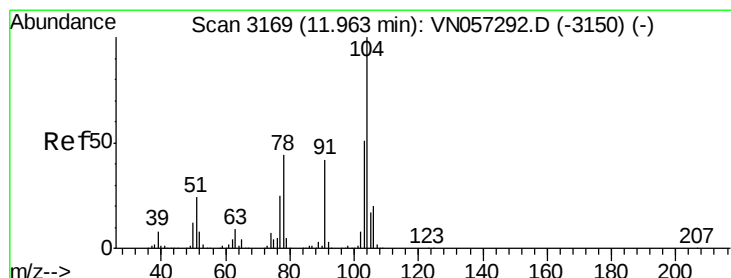
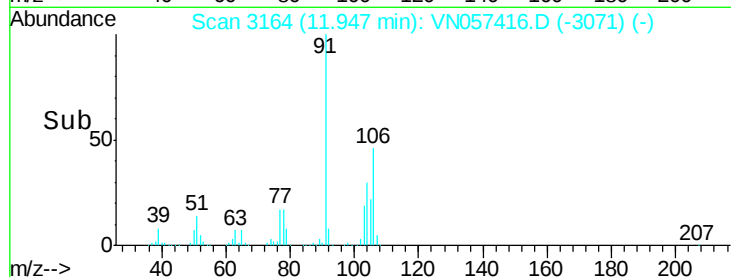
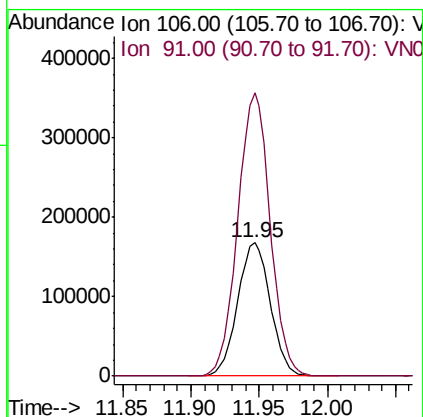
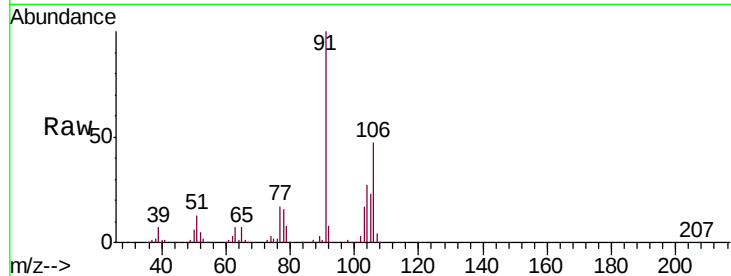




#69
o-Xylene
Concen: 19.970 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

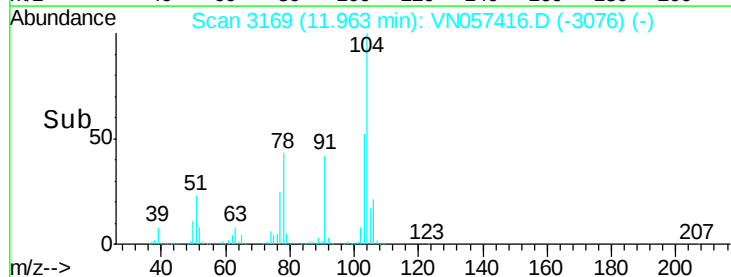
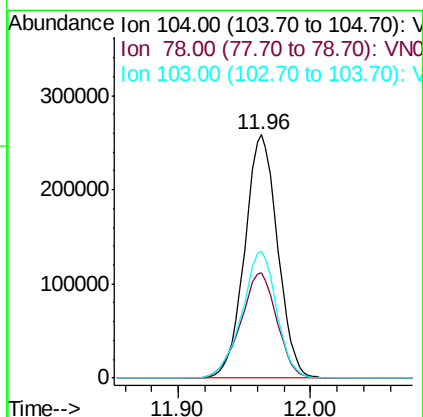
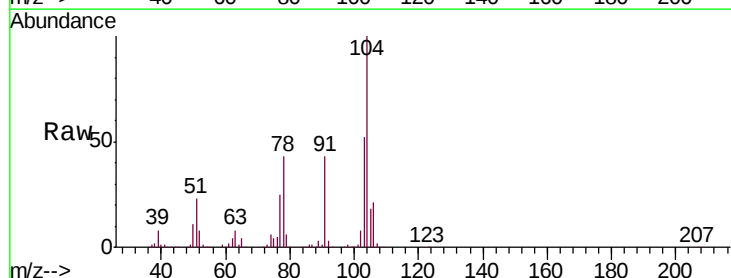
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

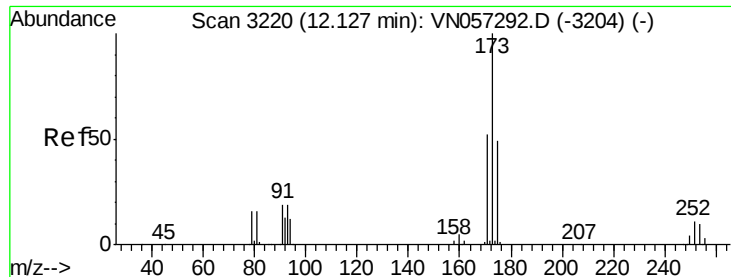
Tgt Ion:106 Resp: 279957
Ion Ratio Lower Upper
106 100
91 209.4 106.3 319.0



#70
Styrene
Concen: 19.904 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion:104 Resp: 444797
Ion Ratio Lower Upper
104 100
78 47.7 39.2 58.8
103 55.0 44.6 66.8





#71

Bromoform

Concen: 20.895 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS02

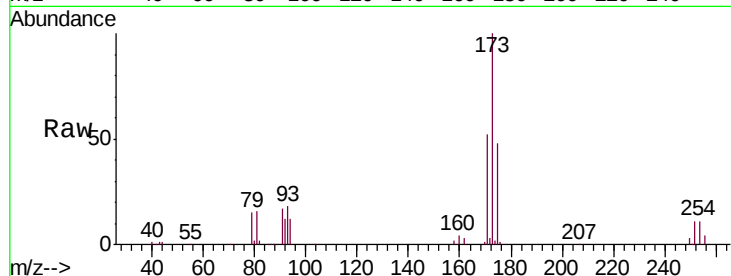
Tgt Ion:173 Resp: 139836

Ion Ratio Lower Upper

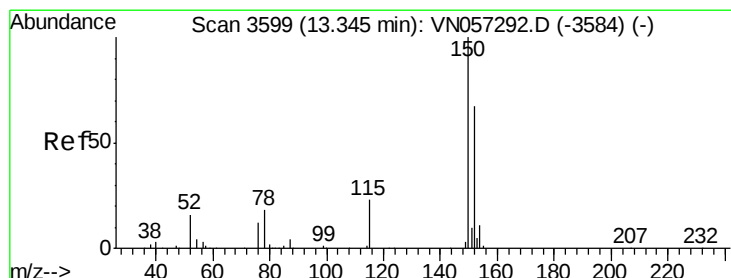
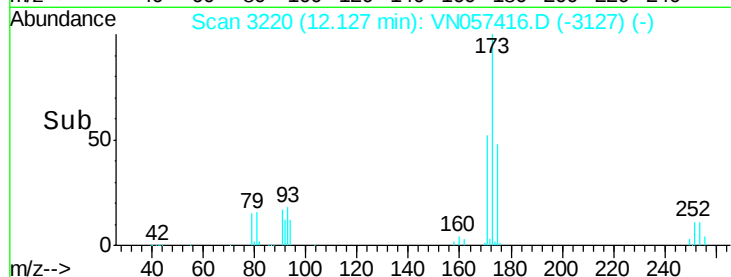
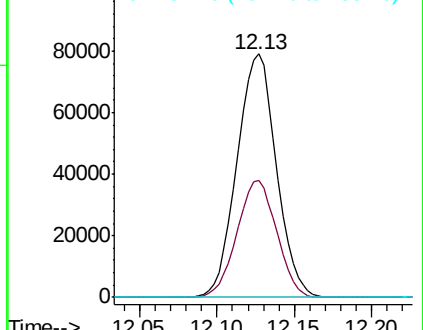
173 100

175 48.3 24.2 72.6

254 0.0 0.2 0.2#



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: VN057416.D

Acq: 19 Aug 2019 22:48

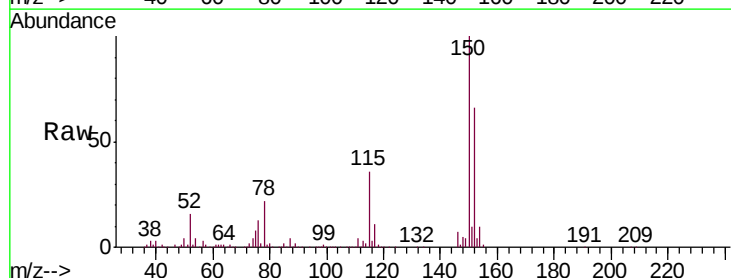
Tgt Ion:152 Resp: 394813

Ion Ratio Lower Upper

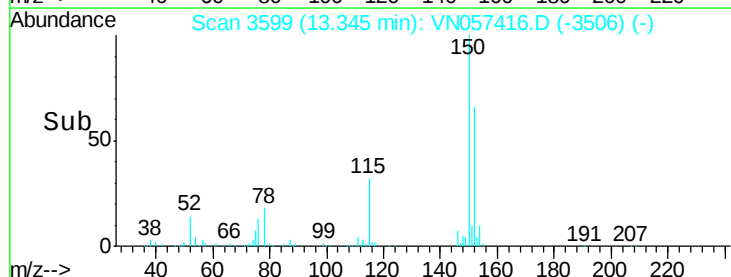
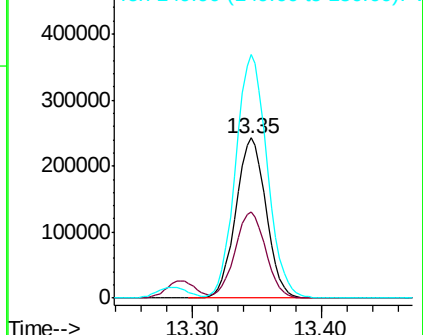
152 100

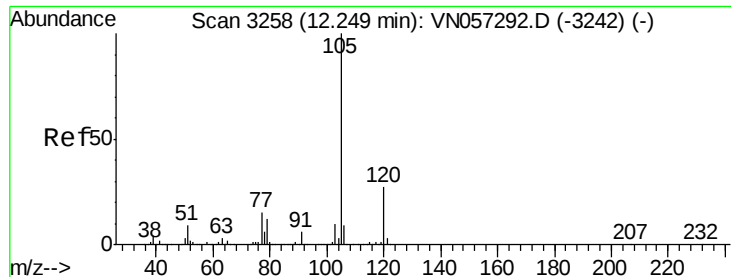
115 54.7 27.3 81.9

150 159.1 0.0 344.4



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





#73

Isopropylbenzene

Concen: 21.707 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

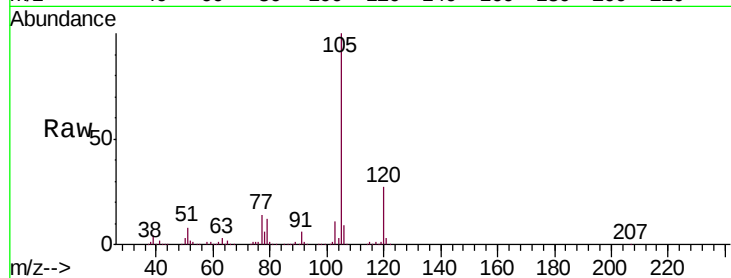
VN0819WBS02

Tgt Ion: 105 Resp: 741713

Ion Ratio Lower Upper

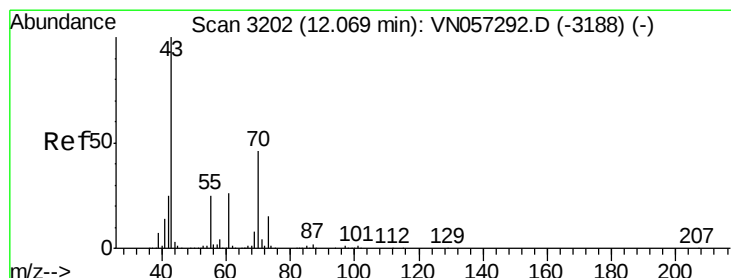
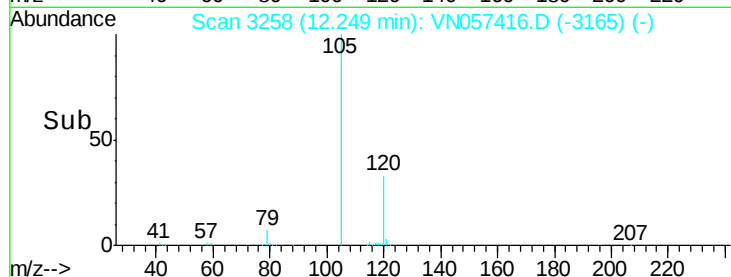
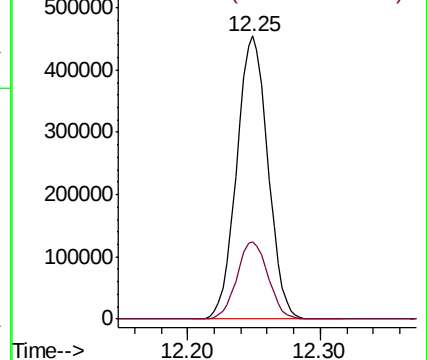
105 100

120 27.3 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 17.630 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Tgt Ion: 43 Resp: 201982

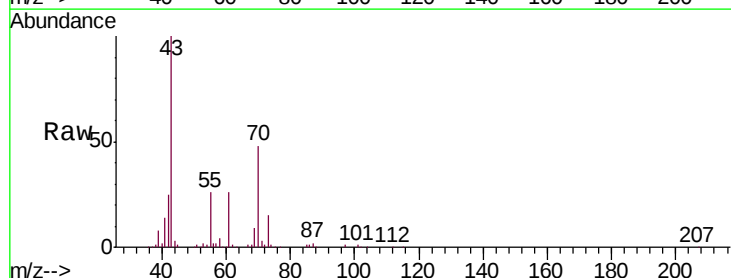
Ion Ratio Lower Upper

43 100

70 47.8 36.2 54.2

55 26.9 20.1 30.1

61 26.4 20.9 31.3

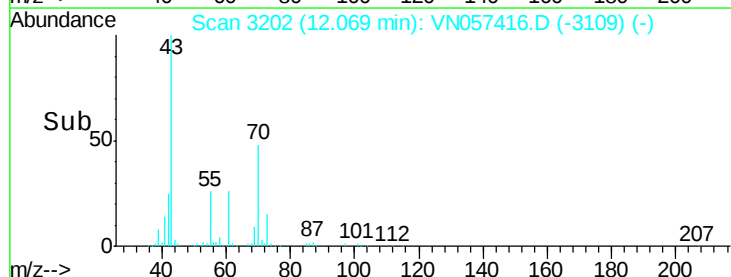
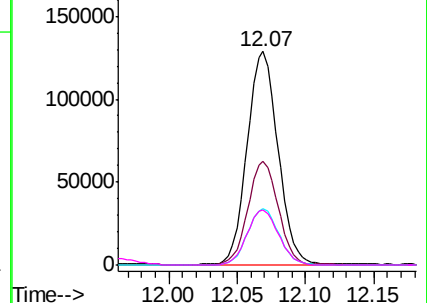


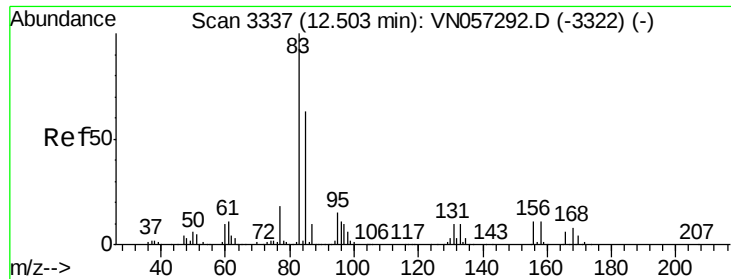
Abundance Ion 43.00 (42.70 to 43.70): V

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





#75

1,1,2,2-Tetrachloroethane

Concen: 21.265 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS02

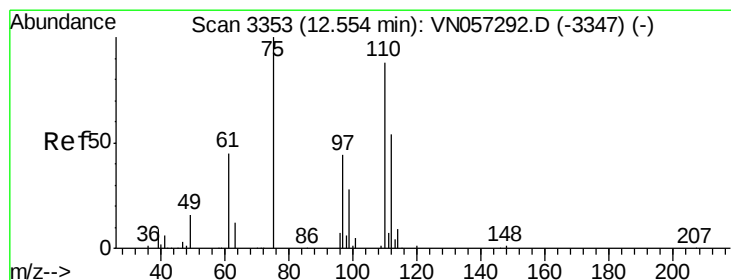
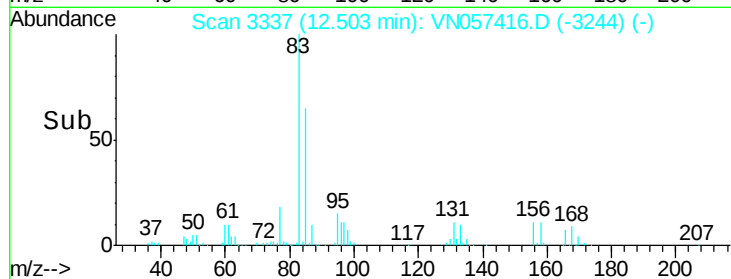
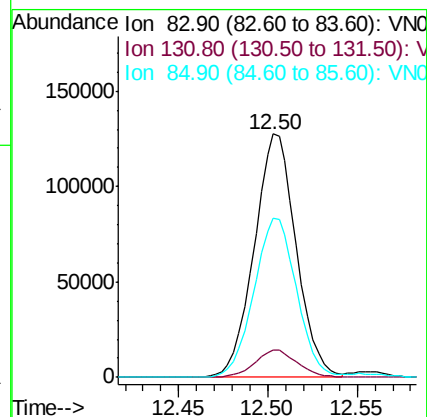
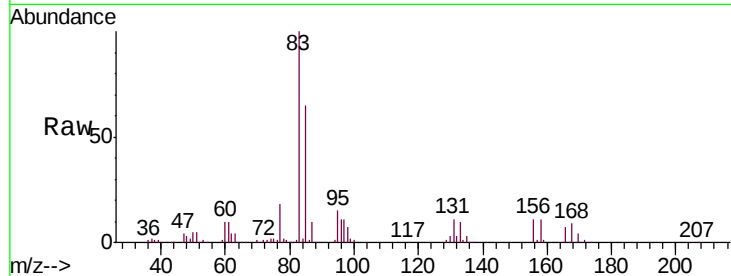
Tgt Ion: 83 Resp: 209187

Ion Ratio Lower Upper

83 100

131 11.5 5.4 16.2

85 66.4 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 31.179 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057416.D

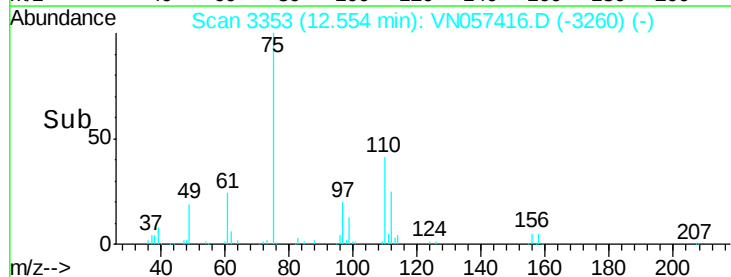
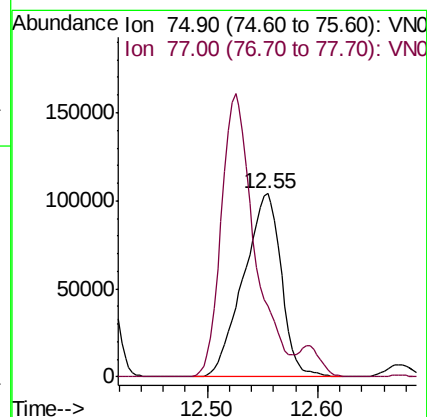
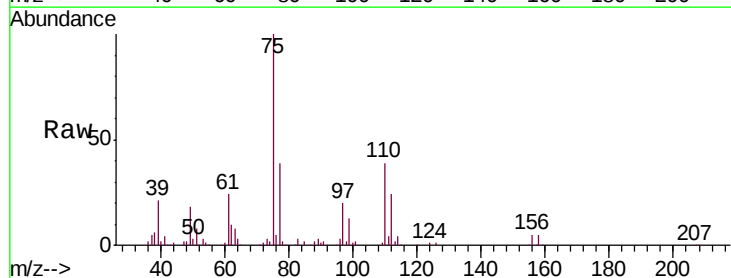
Acq: 19 Aug 2019 22:48

Tgt Ion: 75 Resp: 247843

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 22.631 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS02

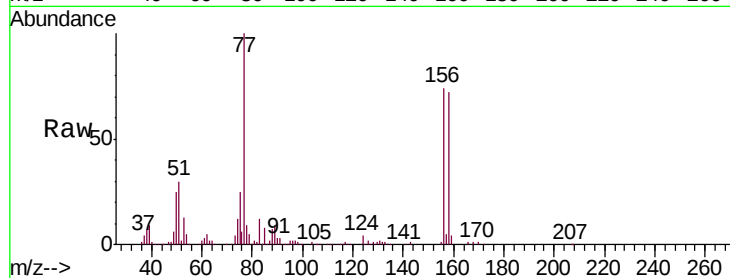
Tgt Ion:156 Resp: 201515

Ion Ratio Lower Upper

156 100

77 167.2 89.8 269.6

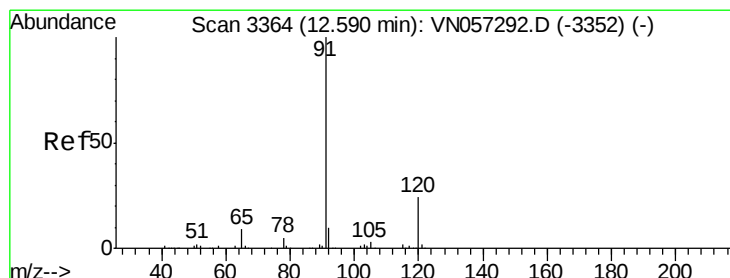
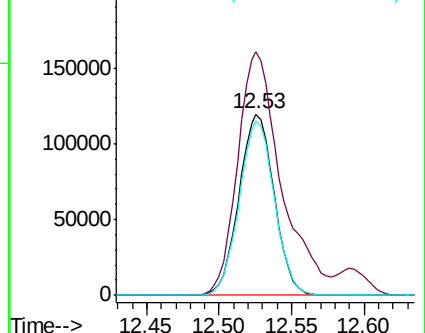
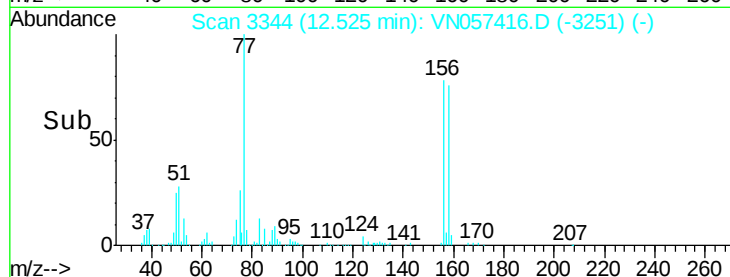
158 96.5 49.3 147.8



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: 19.209 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057416.D

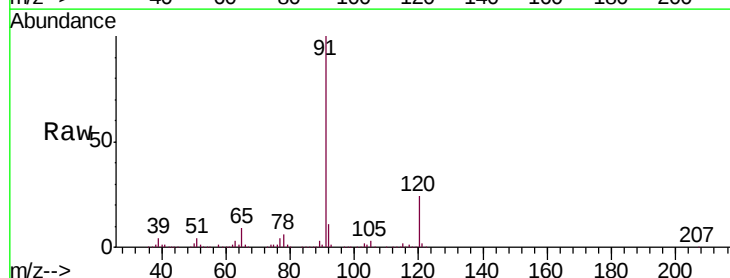
Acq: 19 Aug 2019 22:48

Tgt Ion: 91 Resp: 730299

Ion Ratio Lower Upper

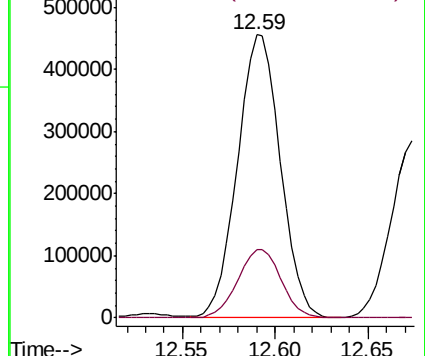
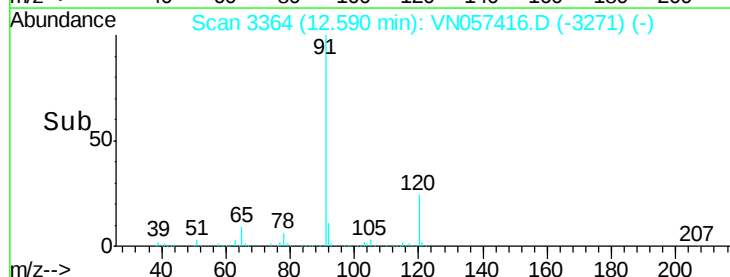
91 100

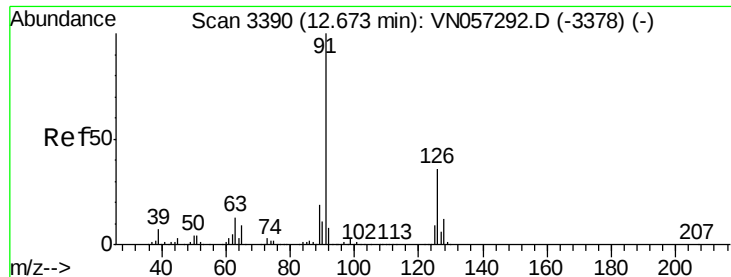
120 24.6 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.571 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

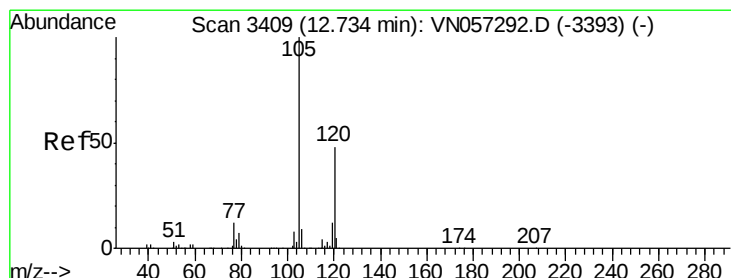
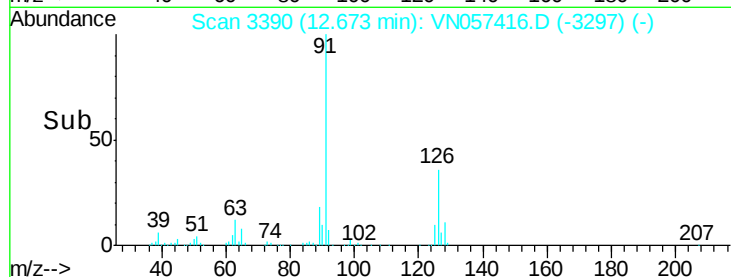
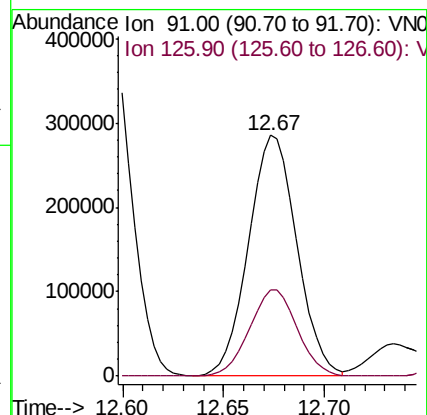
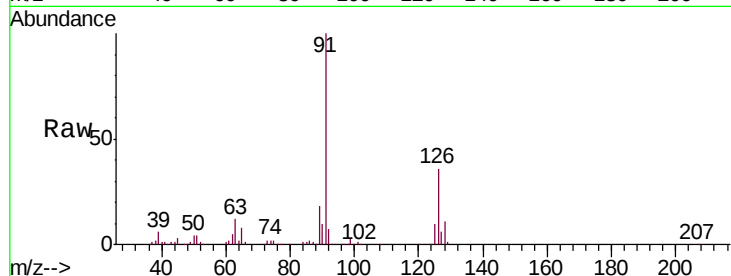
VN0819WBS02

Tgt Ion: 91 Resp: 476273

Ion Ratio Lower Upper

91 100

126 35.9 18.1 54.1



#80

1,3,5-Trimethylbenzene

Concen: 21.671 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057416.D

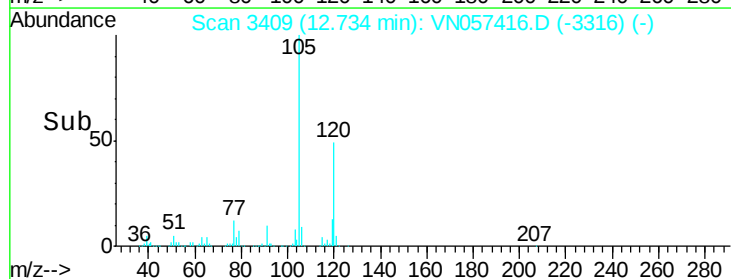
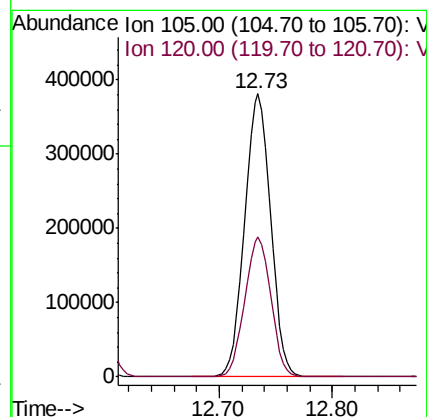
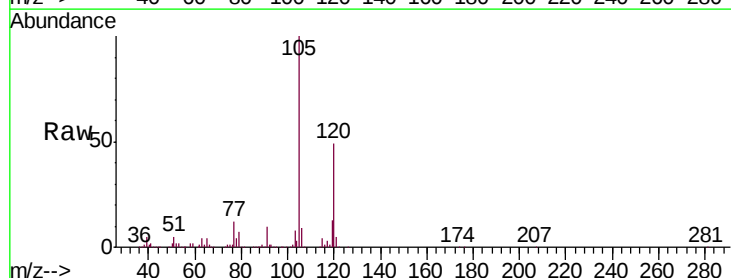
Acq: 19 Aug 2019 22:48

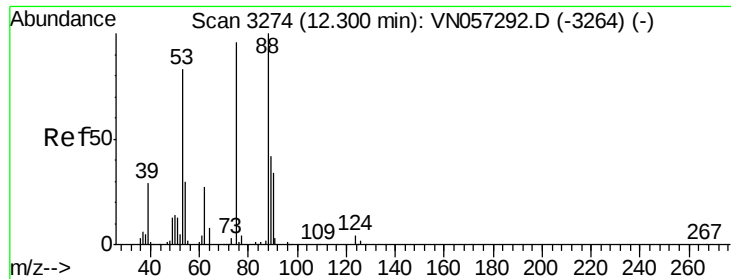
Tgt Ion: 105 Resp: 610488

Ion Ratio Lower Upper

105 100

120 49.7 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 18.184 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS02

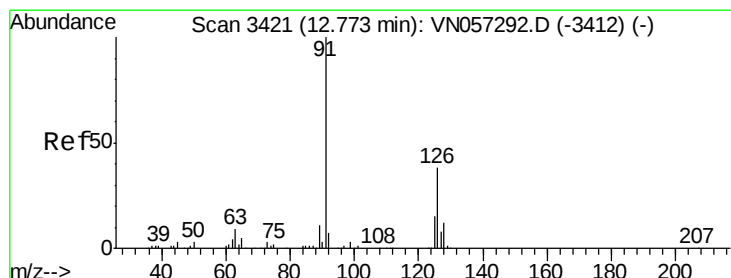
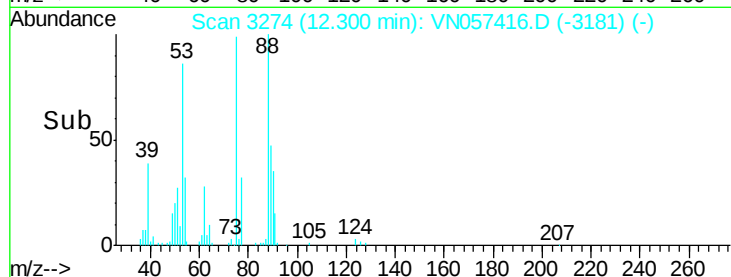
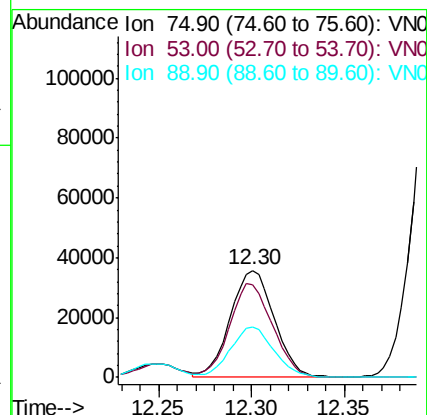
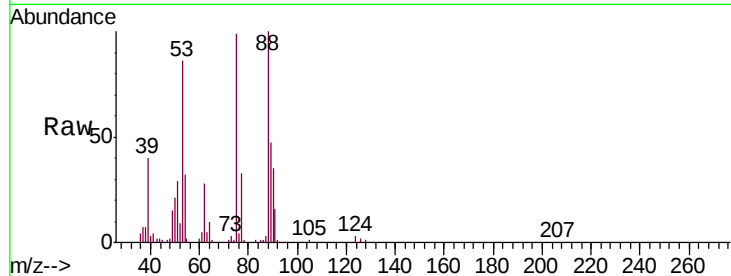
Tgt Ion: 75 Resp: 58876

Ion Ratio Lower Upper

75 100

53 85.7 67.9 101.9

89 46.3 36.2 54.4



#82

4-Chlorotoluene

Concen: 18.497 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057416.D

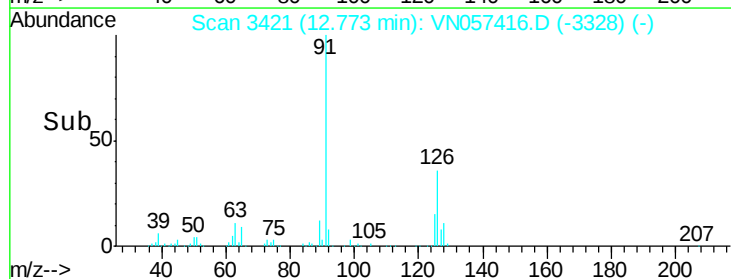
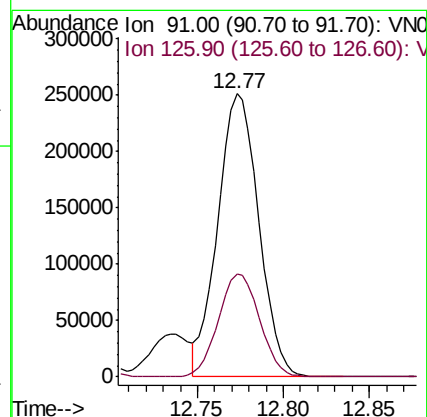
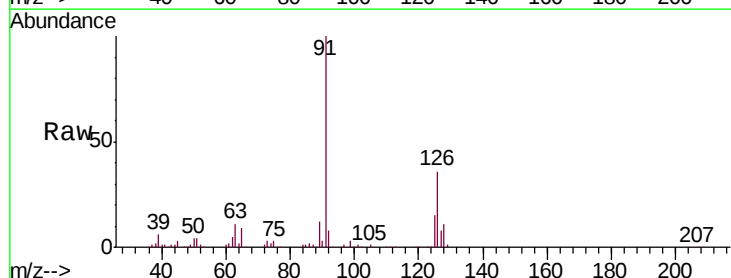
Acq: 19 Aug 2019 22:48

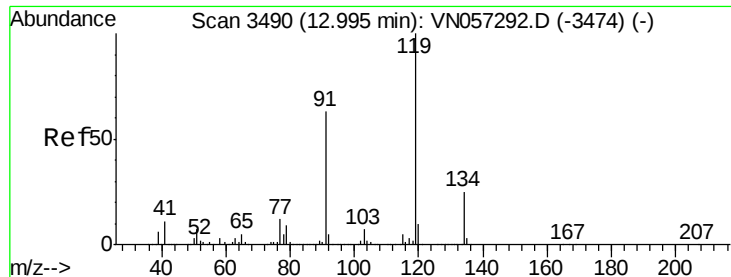
Tgt Ion: 91 Resp: 416718

Ion Ratio Lower Upper

91 100

126 36.8 17.3 51.7

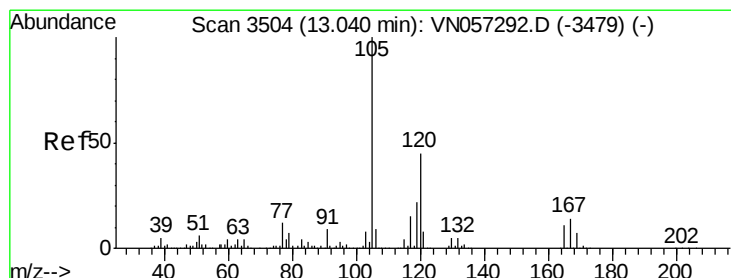
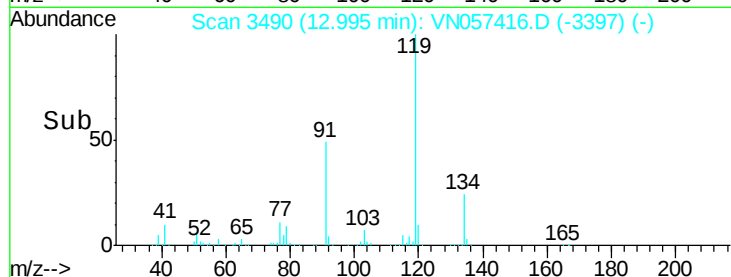
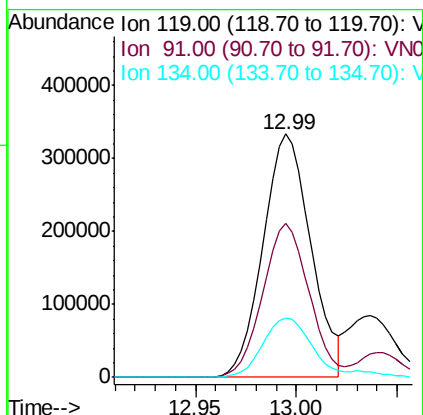
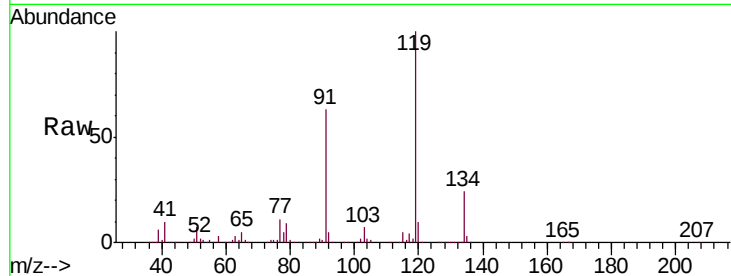




#83
 tert-Butylbenzene
 Concen: 21.901 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

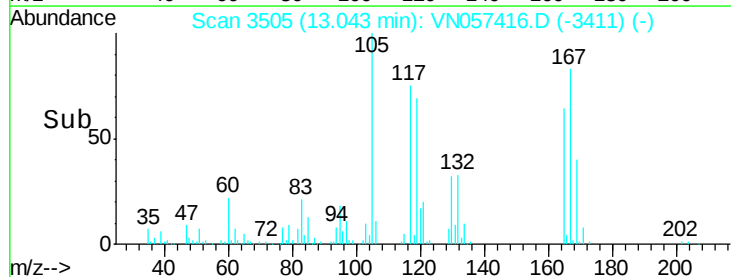
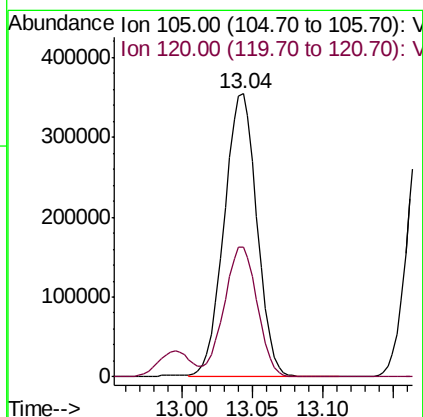
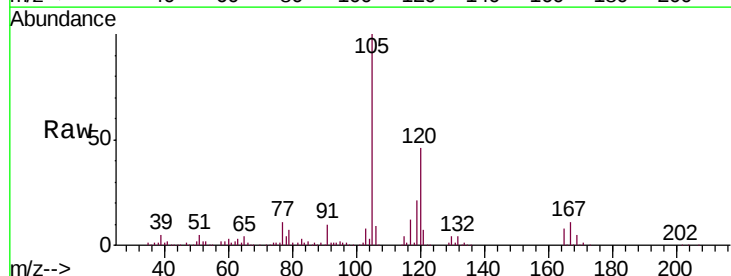
Instrument :
 MSVOA_N
 ClientSampled :
 VN0819WBS02

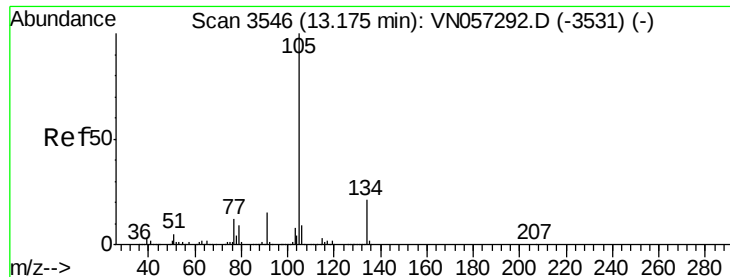
Tgt Ion:119 Resp: 550936
 Ion Ratio Lower Upper
 119 100
 91 61.3 31.3 93.8
 134 24.5 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.244 ug/l
 RT: 13.04 min Scan# 3505
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Tgt Ion:105 Resp: 575668
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.6 67.7





#85

sec-Butylbenzene

Concen: 20.504 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

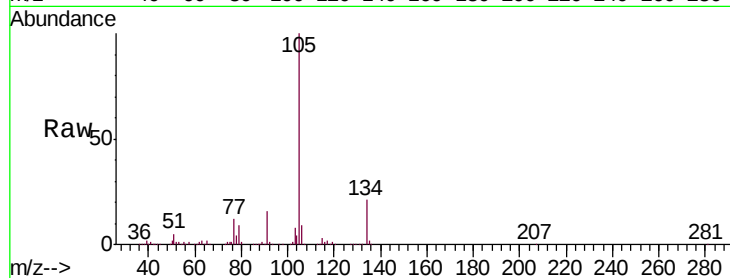
VN0819WBS02

Tgt Ion:105 Resp: 639068

Ion Ratio Lower Upper

105 100

134 21.1 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

400000

300000

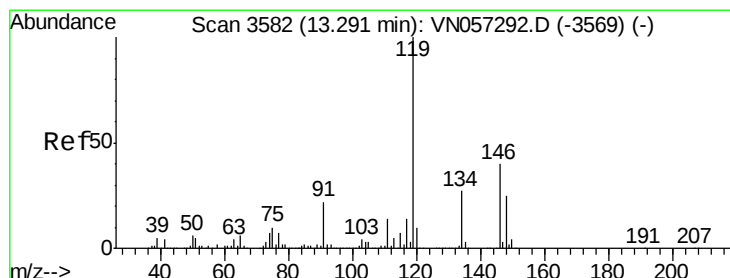
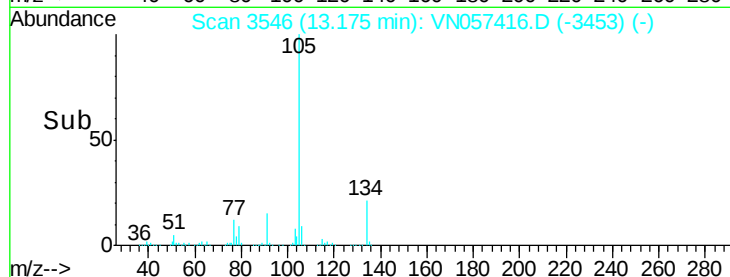
200000

100000

0

Time-->

13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 19.423 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

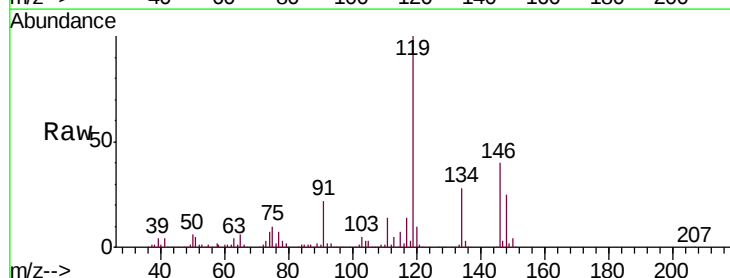
Tgt Ion:119 Resp: 565477

Ion Ratio Lower Upper

119 100

134 27.4 13.4 40.2

91 22.1 11.2 33.5



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

500000

400000

300000

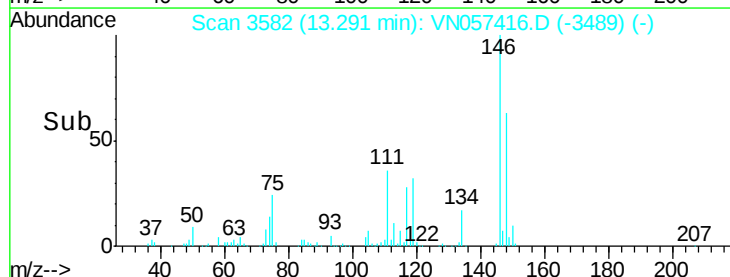
200000

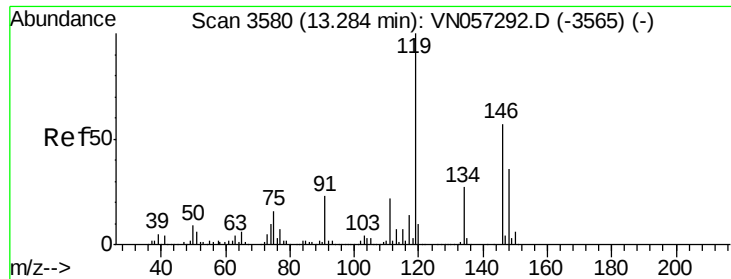
100000

0

Time-->

13.20 13.25 13.30 13.35

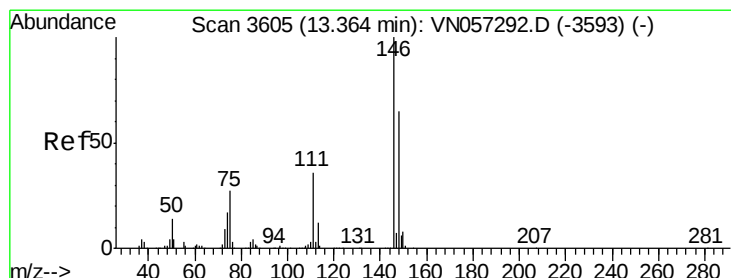
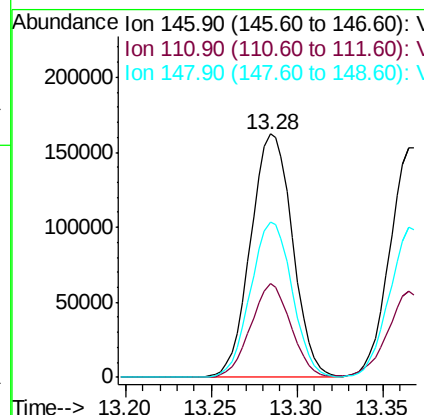
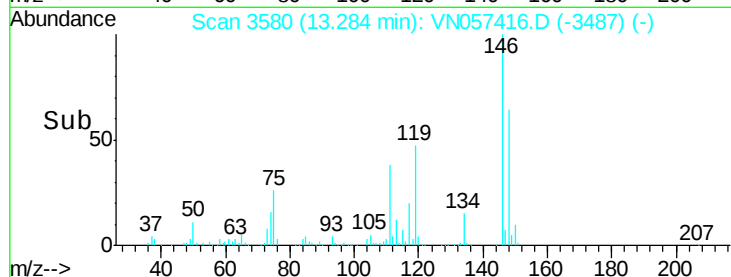
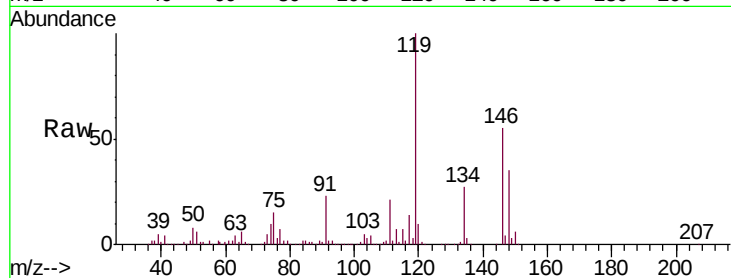




#87
 1,3-Dichlorobenzene
 Concen: 19.832 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

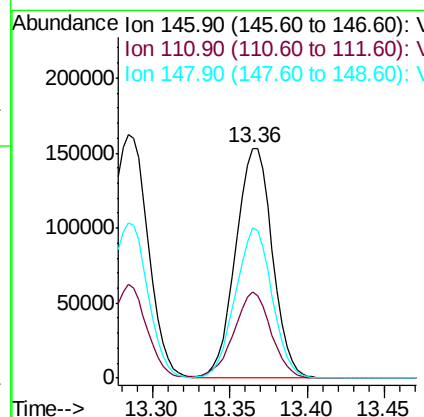
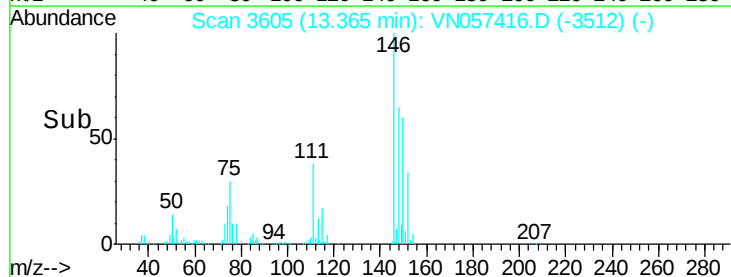
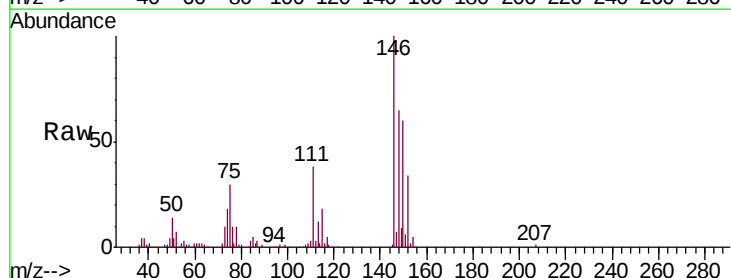
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS02

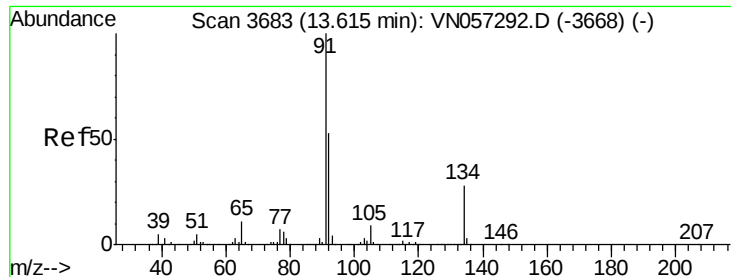
Tgt Ion:146 Resp: 274340
 Ion Ratio Lower Upper
 146 100
 111 36.8 18.7 56.1
 148 63.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.230 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Tgt Ion:146 Resp: 252518
 Ion Ratio Lower Upper
 146 100
 111 38.1 18.4 55.4
 148 65.2 32.5 97.4





#89

n-Butylbenzene

Concen: 20.483 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS02

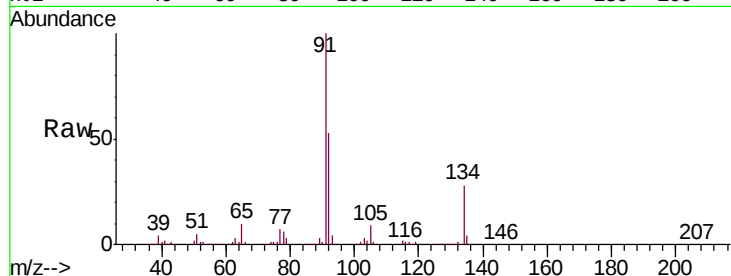
Tgt Ion: 91 Resp: 425132

Ion Ratio Lower Upper

91 100

92 52.5 26.2 78.6

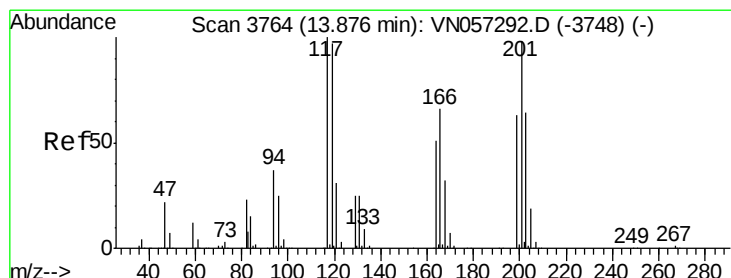
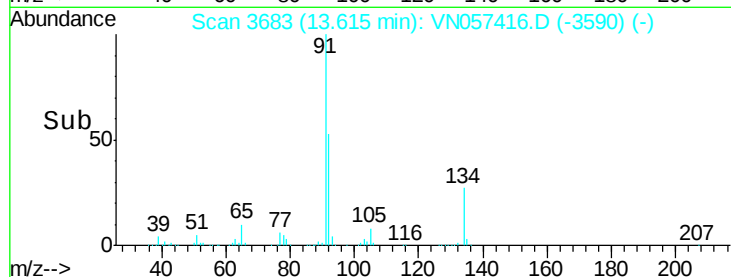
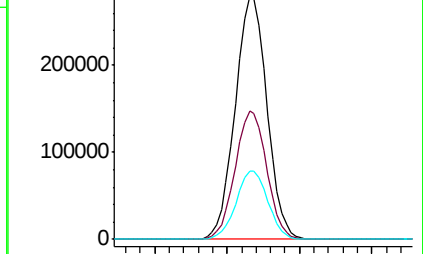
134 28.2 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057292.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057292.D (-3668) (-)



#90

Hexachloroethane

Concen: 22.167 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057416.D

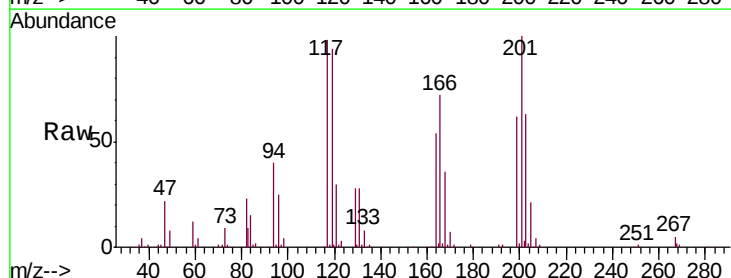
Acq: 19 Aug 2019 22:48

Tgt Ion: 117 Resp: 116186

Ion Ratio Lower Upper

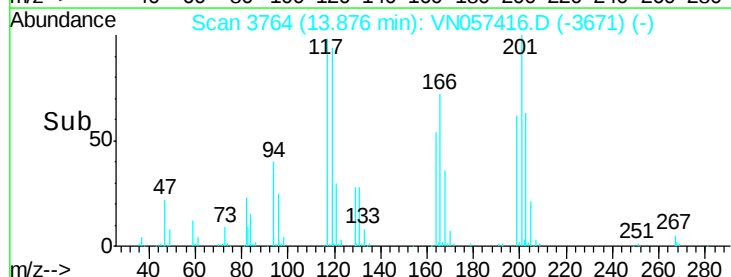
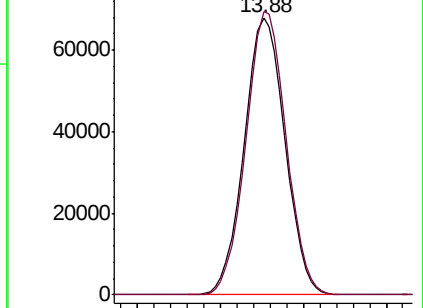
117 100

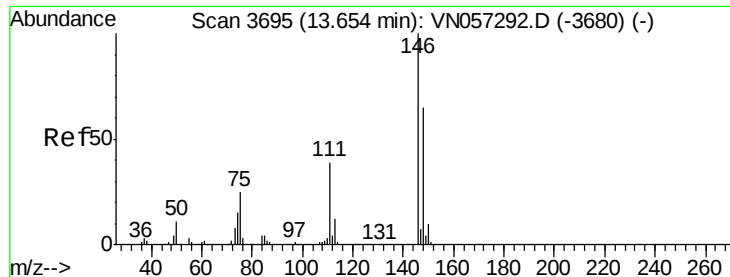
201 100.6 48.4 145.0



Abundance Ion 116.80 (116.50 to 117.50): VN057292.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN057292.D (-3748) (-)





#91

1,2-Dichlorobenzene

Concen: 20.284 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS02

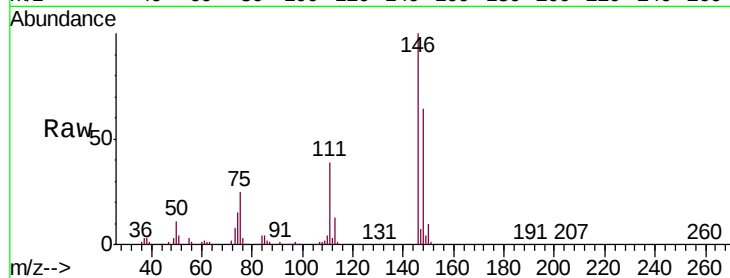
Tgt Ion:146 Resp: 261569

Ion Ratio Lower Upper

146 100

111 38.7 19.7 59.1

148 64.5 32.0 96.0



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

13.65

150000

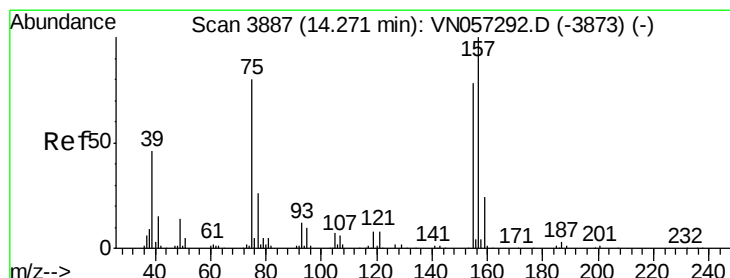
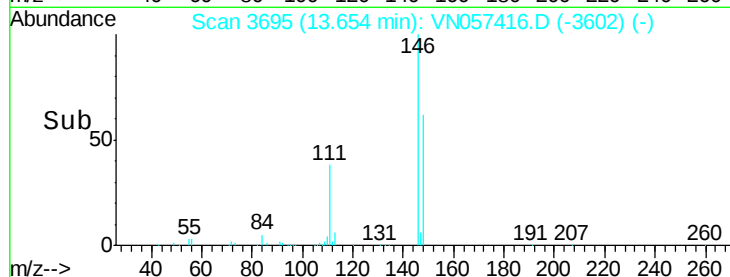
100000

50000

0

13.60 13.70

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 17.219 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN057416.D

Acq: 19 Aug 2019 22:48

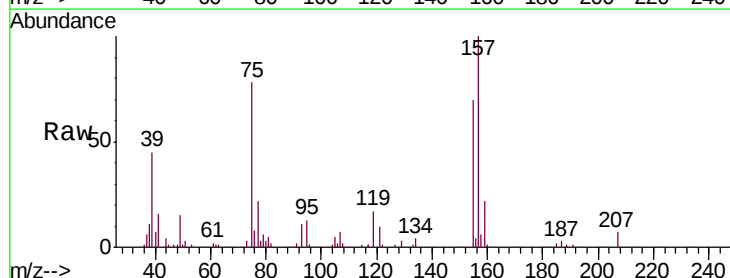
Tgt Ion: 75 Resp: 24243

Ion Ratio Lower Upper

75 100

155 95.8 49.6 148.8

157 130.4 63.7 191.1



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

14.27

25000

20000

15000

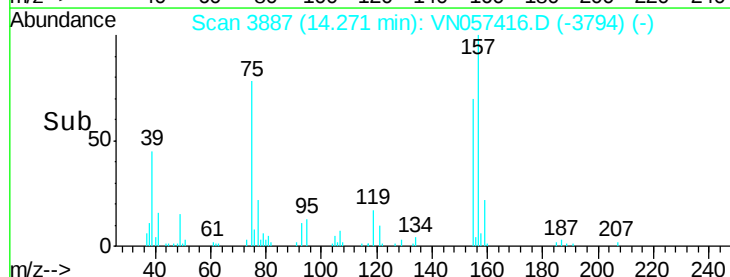
10000

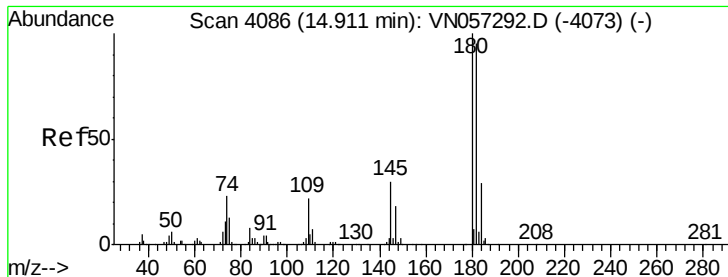
5000

0

14.20 14.25 14.30

Time-->

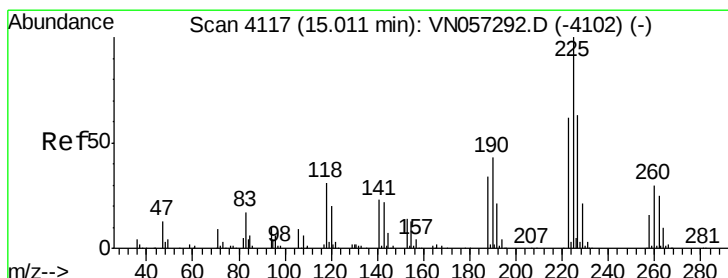
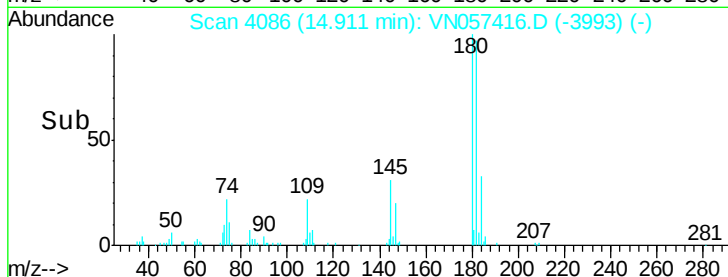
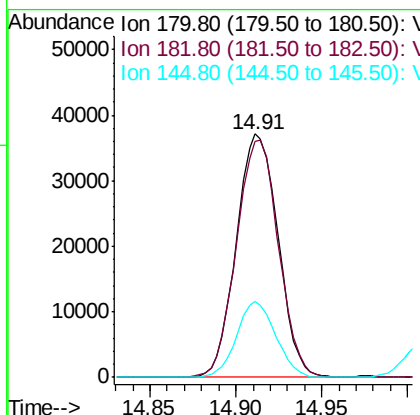
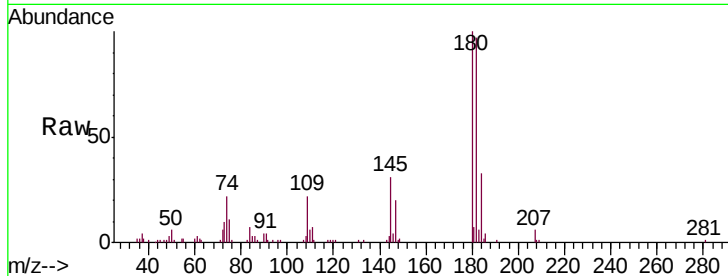




#93
 1,2,4-Trichlorobenzene
 Concen: 16.165 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

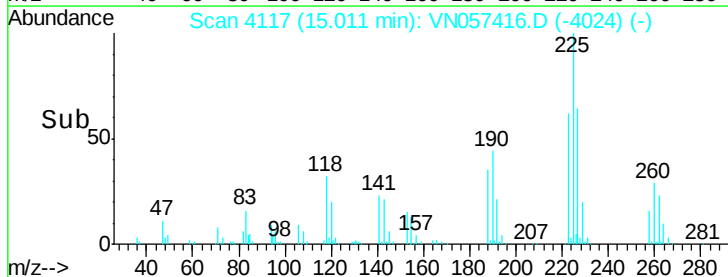
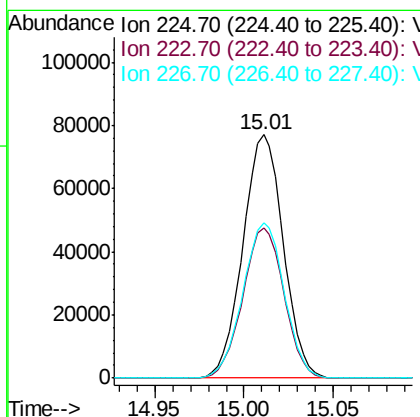
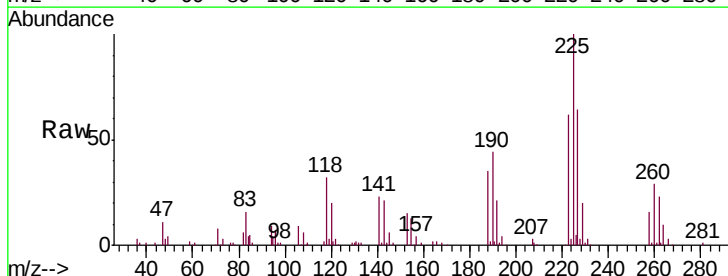
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS02

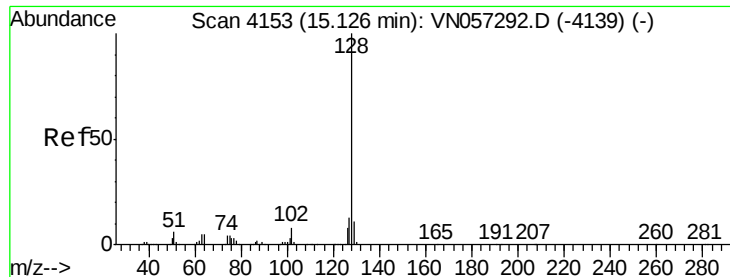
Tgt Ion:180 Resp: 62429
 Ion Ratio Lower Upper
 180 100
 182 98.5 48.0 144.2
 145 29.1 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 22.105 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057416.D
 Acq: 19 Aug 2019 22:48

Tgt Ion:225 Resp: 121756
 Ion Ratio Lower Upper
 225 100
 223 62.9 30.7 92.1
 227 65.2 30.9 92.7

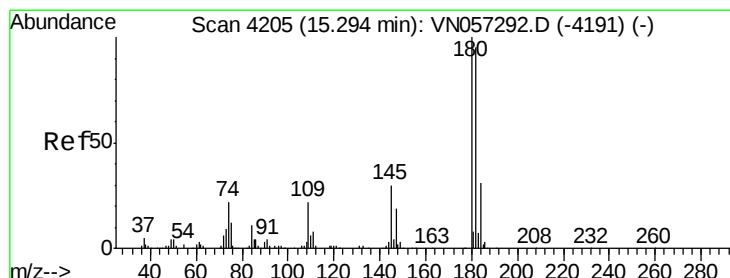
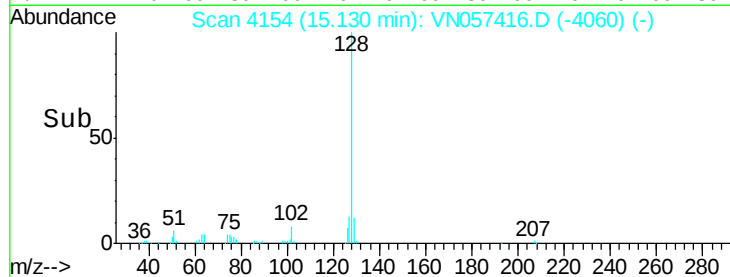
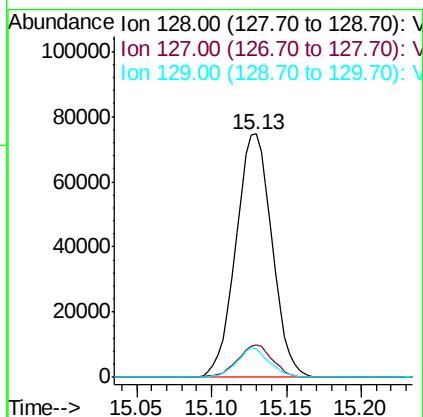
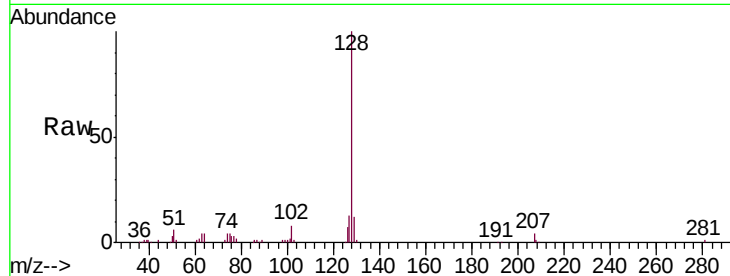




#95
Naphthalene
Concen: 19.708 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS02

Tgt Ion:128 Resp: 125753
Ion Ratio Lower Upper
128 100
127 12.9 10.5 15.7
129 10.8 8.8 13.2



#96
1,2,3-Trichlorobenzene
Concen: 19.334 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. 0.00 min
Lab File: VN057416.D
Acq: 19 Aug 2019 22:48

Tgt Ion:180 Resp: 60937
Ion Ratio Lower Upper
180 100
182 95.8 47.9 143.6
145 28.6 15.1 45.3

