

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
 Data File : VN058412.D
 Acq On : 27 Sep 2019 16:51
 Operator : JC/SP
 Sample : VN0927WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

Quant Time: Sep 28 00:04:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	445620	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	755445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	677496	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	311374	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	331162	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.58	113	236362	51.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.84%	
50) Toluene-d8	10.09	98	935381	52.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.72%	
62) 4-Bromofluorobenzene	12.41	95	329905	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	99453	25.325	ug/l	99
3) Chloromethane	2.04	50	110118	28.808	ug/l	100
4) Vinyl Chloride	2.17	62	107350	27.467	ug/l	99
5) Bromomethane	2.55	94	58555	29.343	ug/l	98
6) Chloroethane	2.69	64	65391	25.823	ug/l	98
7) Trichlorofluoromethane	3.00	101	128442	24.092	ug/l	99
8) Diethyl Ether	3.39	74	54751	22.859	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	89434	23.617	ug/l	98
10) Methyl Iodide	3.93	142	99630	28.886	ug/l	98
11) Tert butyl alcohol	4.75	59	83320	113.063	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	85240	25.639	ug/l	100
13) Acrolein	3.59	56	33568	259.647	ug/l	98
14) Allyl chloride	4.30	41	152878	24.350	ug/l	98
15) Acrylonitrile	4.96	53	226542	113.188	ug/l	99
16) Acetone	3.80	43	231655	107.292	ug/l	99
17) Carbon Disulfide	4.03	76	220297	36.697	ug/l	100
18) Methyl Acetate	4.30	43	110524	19.802	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	298366	21.438	ug/l	98
20) Methylene Chloride	4.53	84	100715	23.293	ug/l	97
21) trans-1,2-Dichloroethene	5.02	96	93208	25.848	ug/l	99
22) Diisopropyl ether	5.93	45	332274	21.698	ug/l	96
23) Vinyl Acetate	5.87	43	1354249	125.778	ug/l	100
24) 1,1-Dichloroethane	5.83	63	187131	22.523	ug/l	99
25) 2-Butanone	6.82	43	327292	112.178	ug/l	100
26) 2,2-Dichloropropane	6.81	77	150597	21.429	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	111090	23.502	ug/l	98
28) Bromochloromethane	7.18	49	76662	20.325	ug/l	98
29) Tetrahydrofuran	7.19	42	205724	113.293	ug/l	99
30) Chloroform	7.36	83	187624	21.244	ug/l	99
31) Cyclohexane	7.64	56	181259	27.196	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	157860	23.180	ug/l	99
36) 1,1-Dichloropropene	7.78	75	144547	24.761	ug/l	100
37) Ethyl Acetate	6.91	43	130002	22.458	ug/l	99
38) Carbon Tetrachloride	7.76	117	132866	23.173	ug/l	97

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 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
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 VN0927WBS01

Quant Time: Sep 28 00:04:47 2019
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 Quant Title : SW846 8260
 QLast Update : Fri Sep 27 23:01:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	171480	27.191	ug/l	98
40) Benzene	8.03	78	424270	24.231	ug/l	100
41) Methacrylonitrile	7.19	41	196746	71.946	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	163095	22.620	ug/l	99
43) Isopropyl Acetate	8.15	43	223211	20.761	ug/l #	90
44) Trichloroethene	8.82	130	103937	24.211	ug/l	97
45) 1,2-Dichloropropane	9.11	63	113875	22.347	ug/l	97
46) Dibromomethane	9.20	93	71822	22.994	ug/l	98
47) Bromodichloromethane	9.39	83	138004	21.466	ug/l	98
48) Methyl methacrylate	9.19	41	108494	22.254	ug/l	99
49) 1,4-Dioxane	9.19	88	37433	483.948	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	669888	118.600	ug/l	99
52) Toluene	10.15	92	258270	23.704	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	148951	22.300	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	166005	22.450	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	99507	21.296	ug/l	98
56) Ethyl methacrylate	10.43	69	151856	22.369	ug/l	98
57) 1,3-Dichloropropane	10.71	76	177152	21.878	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	300055	96.569	ug/l	100
59) 2-Hexanone	10.75	43	489096	116.881	ug/l	100
60) Dibromochloromethane	10.90	129	94637	21.041	ug/l	99
61) 1,2-Dibromoethane	11.00	107	100420	22.726	ug/l	99
64) Tetrachloroethene	10.63	164	84803	24.177	ug/l	98
65) Chlorobenzene	11.44	112	274554	22.360	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	94737	21.611	ug/l	99
67) Ethyl Benzene	11.51	91	507102	23.904	ug/l	99
68) m/p-Xylenes	11.62	106	368970	46.120	ug/l	97
69) o-Xylene	11.95	106	176669	22.575	ug/l	97
70) Styrene	11.97	104	295300	22.141	ug/l	99
71) Bromoform	12.13	173	59165	21.437	ug/l #	97
73) Isopropylbenzene	12.25	105	487584	24.197	ug/l	99
74) N-amyl acetate	12.07	43	194233	23.315	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	143213	21.779	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	179342	31.729	ug/l #	100
77) Bromobenzene	12.53	156	109909	21.876	ug/l	98
78) n-propylbenzene	12.60	91	561118	24.489	ug/l	100
79) 2-Chlorotoluene	12.68	91	332912	23.376	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	409060	24.085	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	36039	20.729	ug/l	88
82) 4-Chlorotoluene	12.78	91	335593	22.535	ug/l	99
83) tert-Butylbenzene	13.00	119	342896	22.859	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	404269	23.905	ug/l	98
85) sec-Butylbenzene	13.18	105	461328	23.519	ug/l	99
86) p-Isopropyltoluene	13.29	119	410622	23.599	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	200940	22.054	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	194268	20.945	ug/l	96
89) n-Butylbenzene	13.62	91	356912	21.939	ug/l	100
90) Hexachloroethane	13.88	117	61465	22.817	ug/l	96
91) 1,2-Dichlorobenzene	13.66	146	196544	21.689	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	25936	21.953	ug/l	97

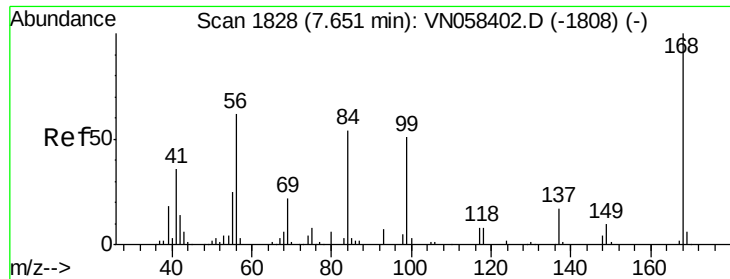
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN092719\
Data File : VN058412.D
Acq On : 27 Sep 2019 16:51
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Quant Title : SW846 8260
QLast Update : Fri Sep 27 23:01:20 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	109103	19.137	ug/l	99
94) Hexachlorobutadiene	15.02	225	52913	19.169	ug/l	98
95) Naphthalene	15.13	128	293648	19.921	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	101046	18.871	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

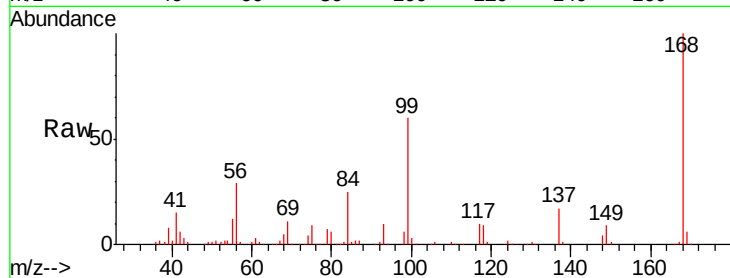
VN0927WBS01

Tgt Ion:168 Resp: 445620

Ion Ratio Lower Upper

168 100

99 59.3 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.65

200000

150000

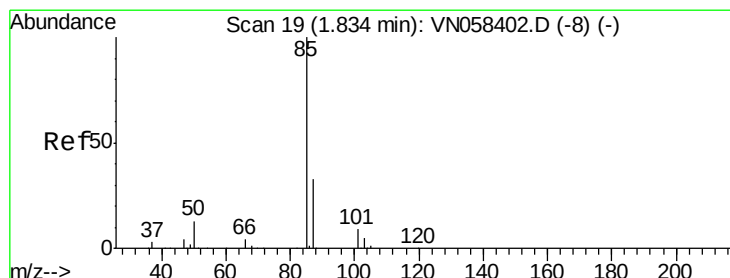
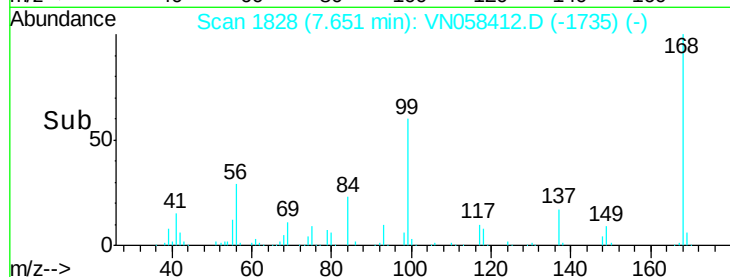
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 25.325 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058412.D

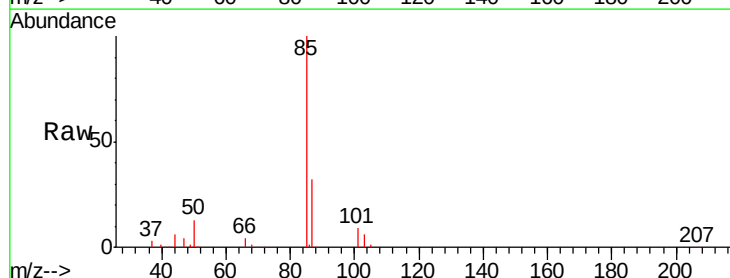
Acq: 27 Sep 2019 16:51

Tgt Ion: 85 Resp: 99453

Ion Ratio Lower Upper

85 100

87 32.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.83

80000

60000

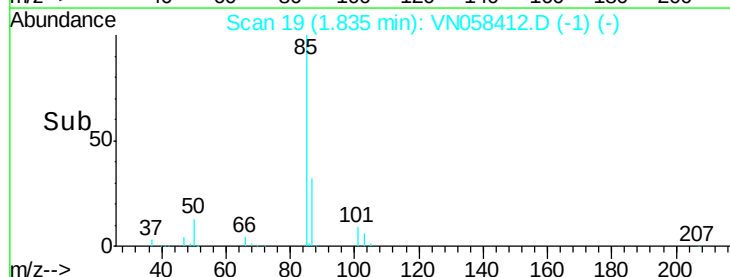
40000

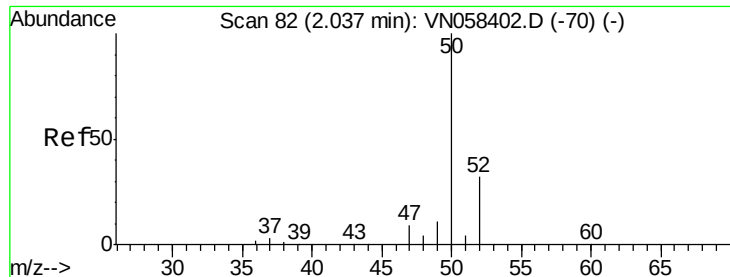
20000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 28.808 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

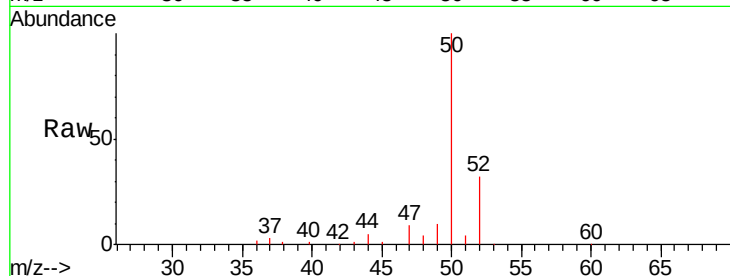
VN0927WBS01

Tgt Ion: 50 Resp: 110118

Ion Ratio Lower Upper

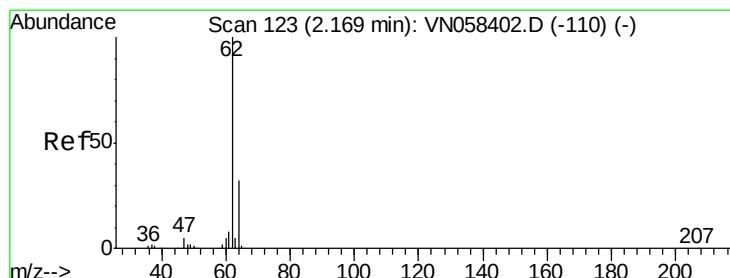
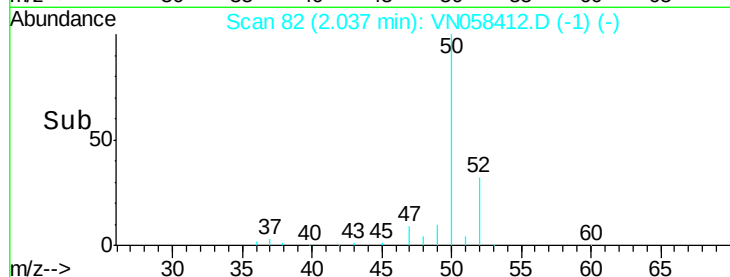
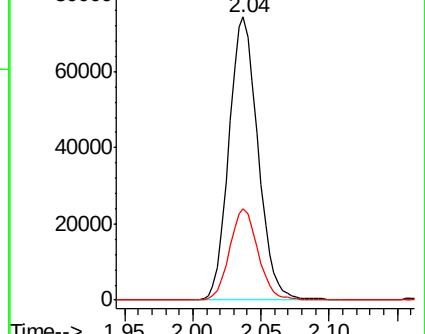
50 100

52 32.4 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 27.467 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058412.D

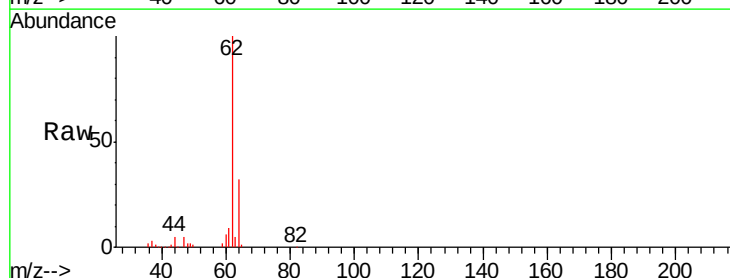
Acq: 27 Sep 2019 16:51

Tgt Ion: 62 Resp: 107350

Ion Ratio Lower Upper

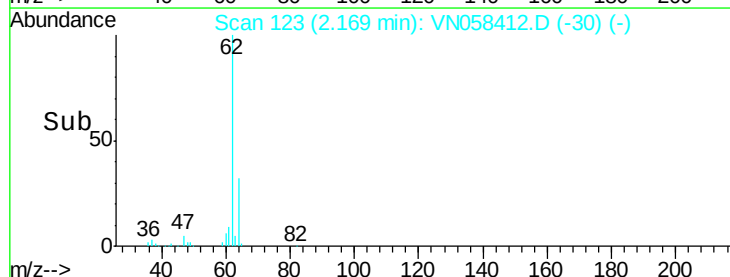
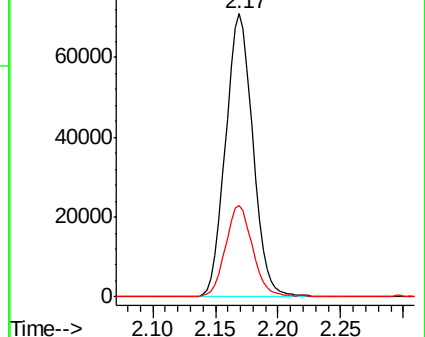
62 100

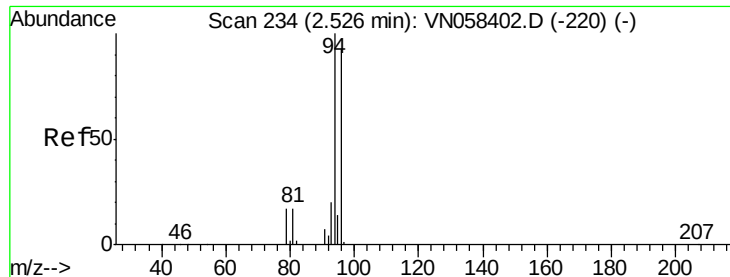
64 32.3 25.5 38.3



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 29.343 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.02 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

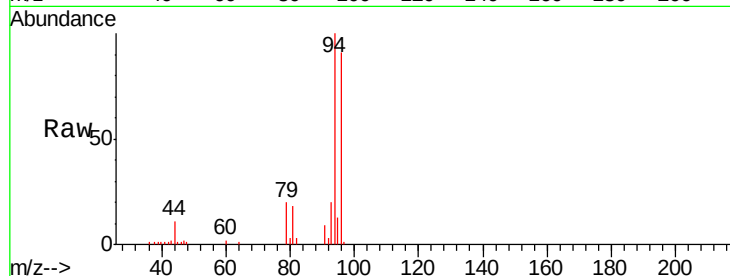
VN0927WBS01

Tgt Ion: 94 Resp: 58555

Ion Ratio Lower Upper

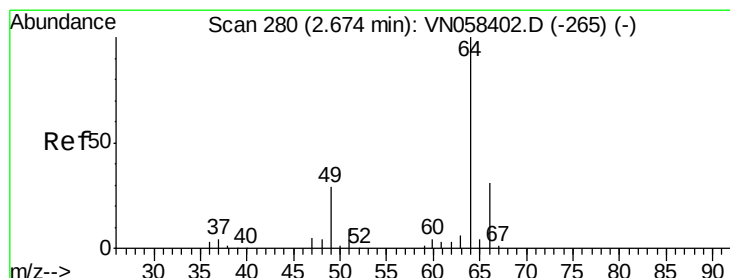
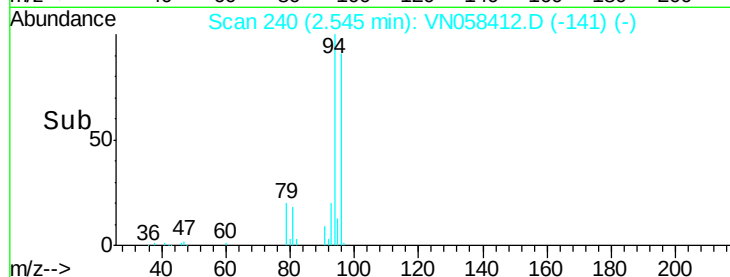
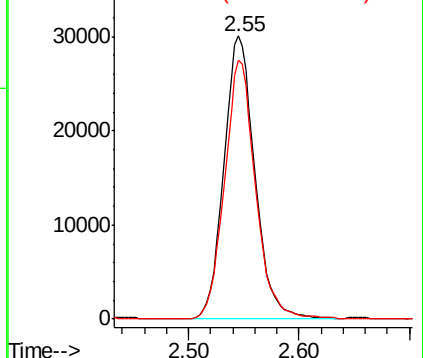
94 100

96 91.4 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 25.823 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058412.D

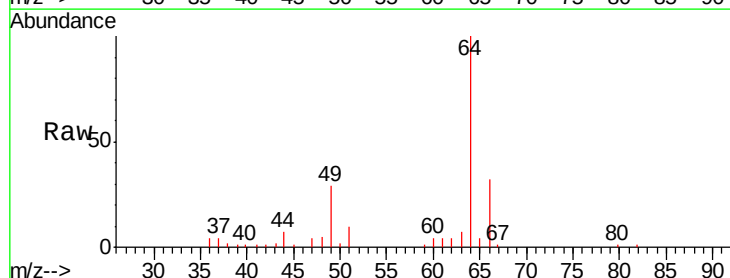
Acq: 27 Sep 2019 16:51

Tgt Ion: 64 Resp: 65391

Ion Ratio Lower Upper

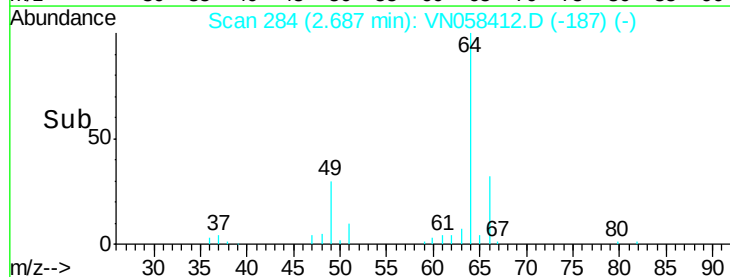
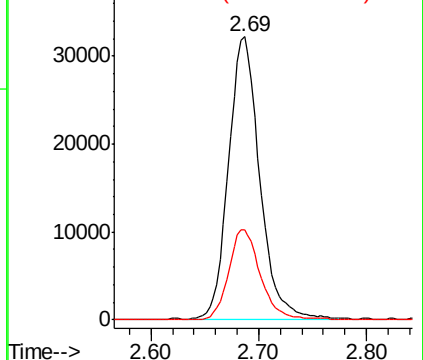
64 100

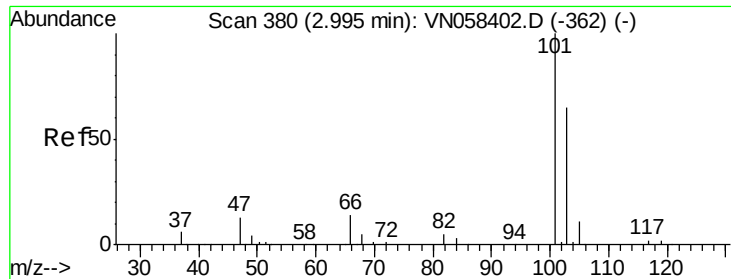
66 31.7 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



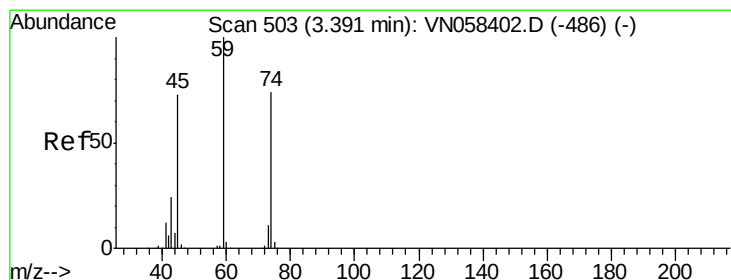
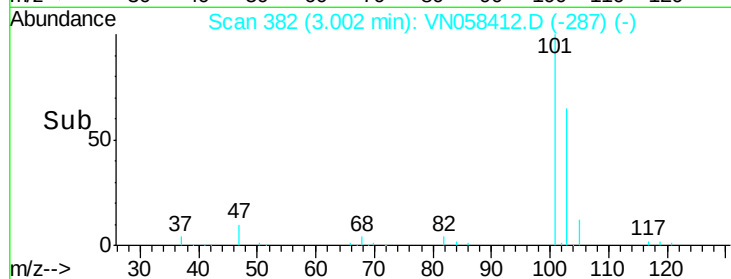
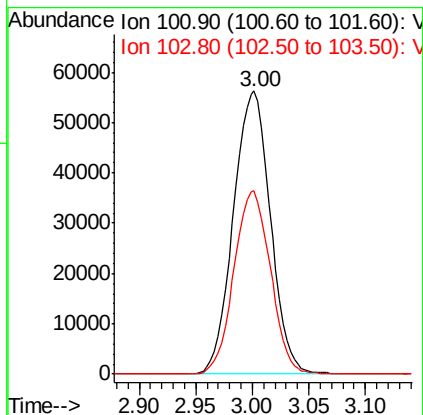
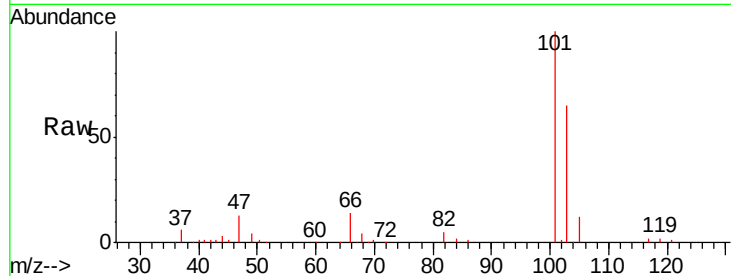


#7

Trichlorofluoromethane
 Concen: 24.092 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.01 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

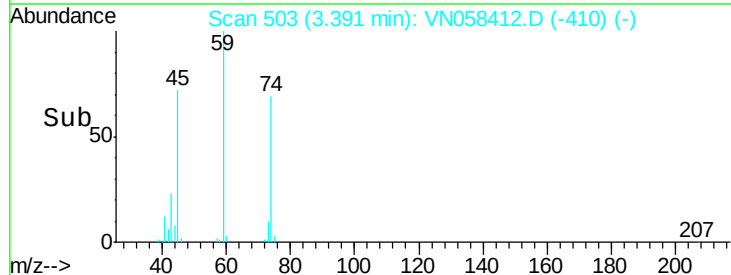
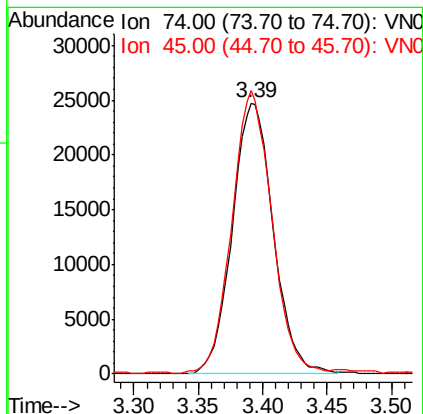
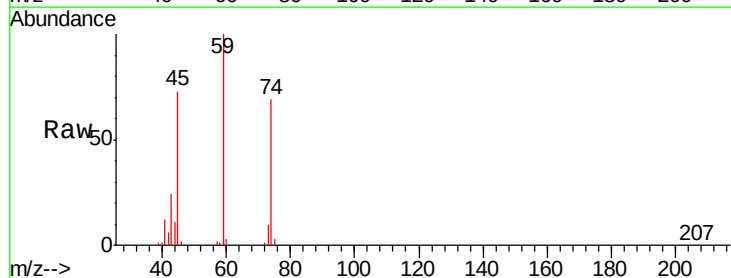
Tgt Ion:101 Resp: 128442
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.3 78.5

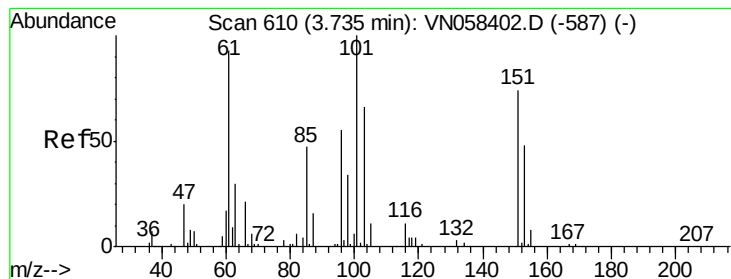


#8

Diethyl Ether
 Concen: 22.859 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 74 Resp: 54751
 Ion Ratio Lower Upper
 74 100
 45 102.1 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 23.617 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

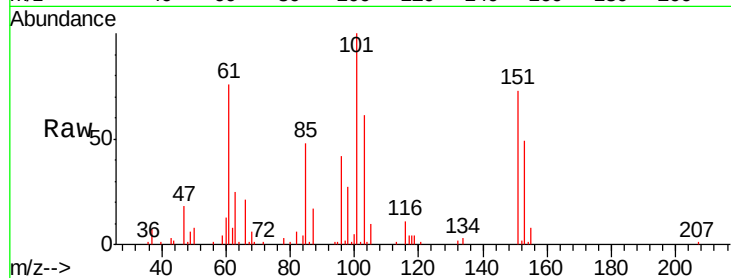
Tgt Ion:101 Resp: 89434

Ion Ratio Lower Upper

101 100

85 46.7 36.7 55.1

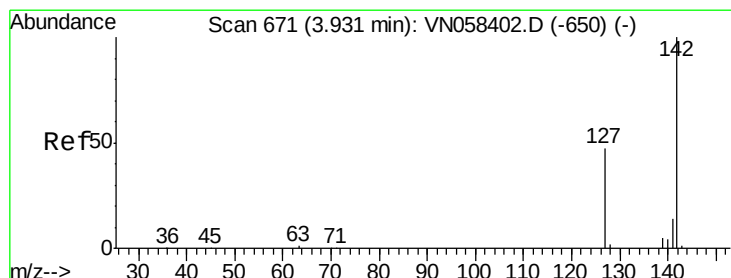
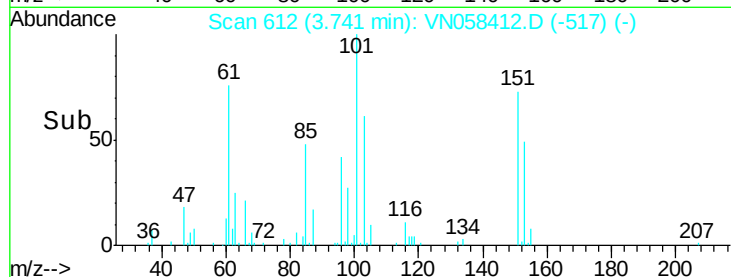
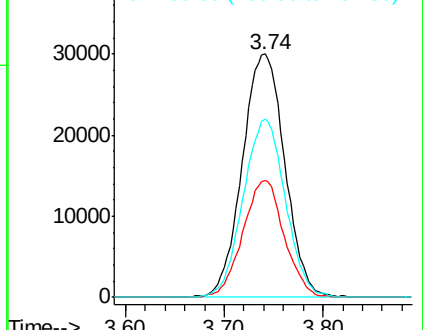
151 72.7 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 28.886 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

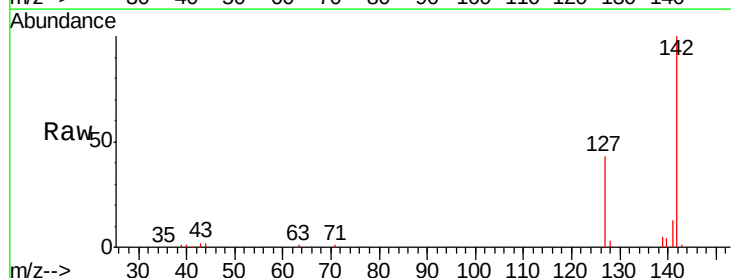
Tgt Ion:142 Resp: 99630

Ion Ratio Lower Upper

142 100

127 44.9 37.2 55.8

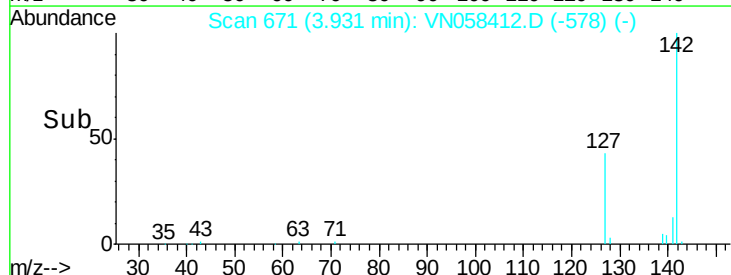
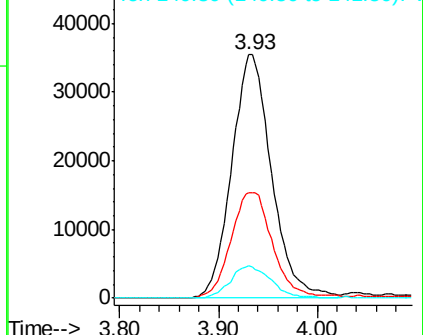
141 13.4 11.3 16.9

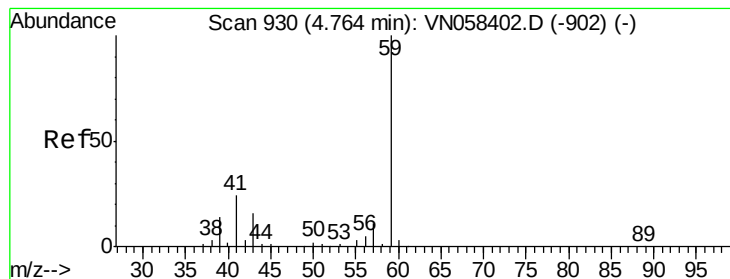


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



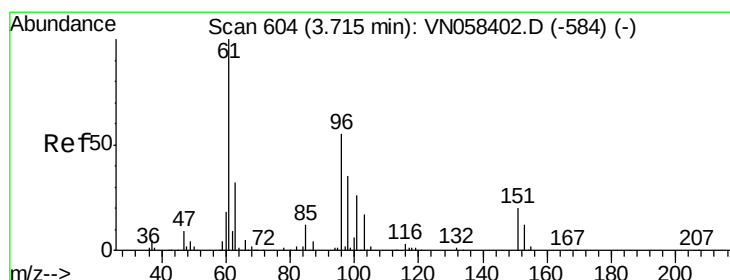
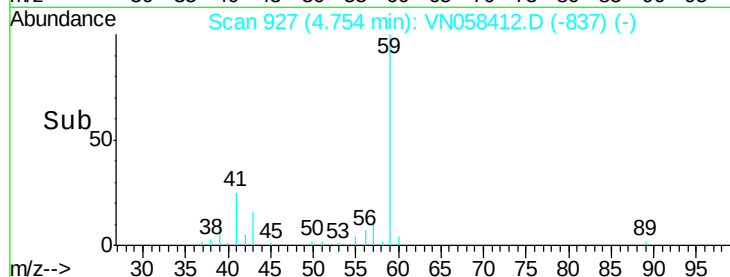
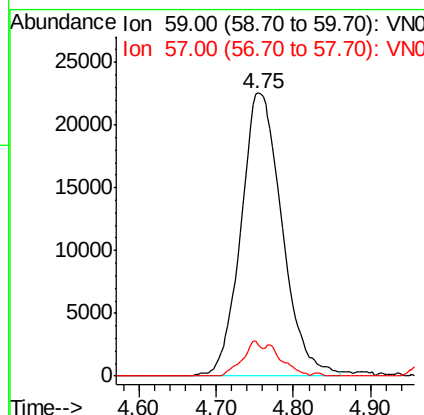
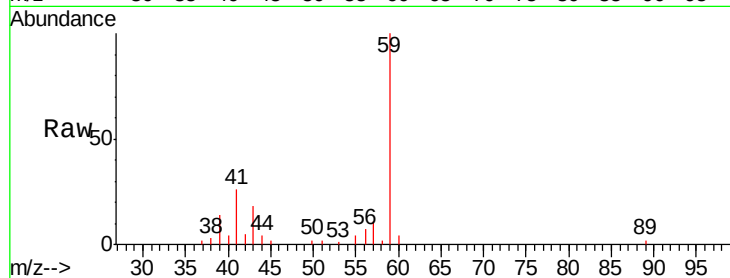


#11

Tert butyl alcohol
 Concen: 113.063 ug/l
 RT: 4.75 min Scan# 927
 Delta R.T. -0.01 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

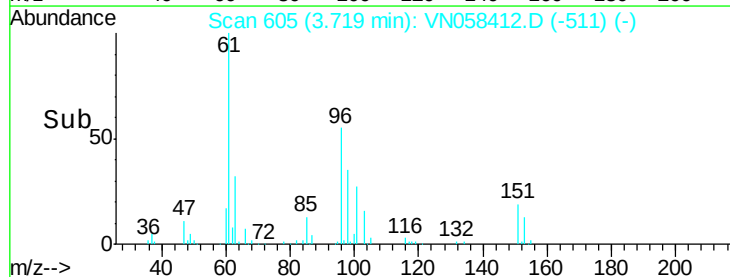
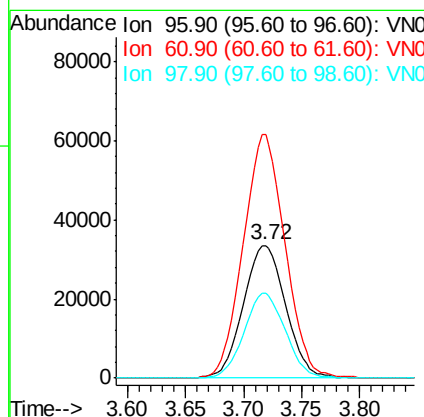
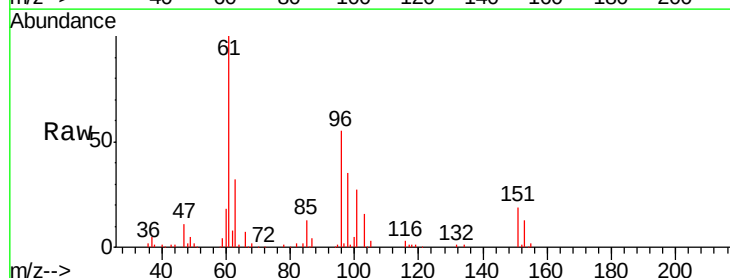
Tgt Ion: 59 Resp: 83320
 Ion Ratio Lower Upper
 59 100
 57 5.8 9.0 13.4#

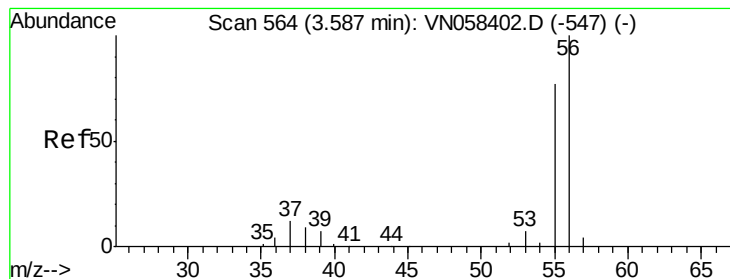


#12

1,1-Dichloroethene
 Concen: 25.639 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 96 Resp: 85240
 Ion Ratio Lower Upper
 96 100
 61 183.4 146.7 220.1
 98 64.1 51.3 76.9





#13

Acrolein

Concen: 259.647 ug/l

RT: 3.59 min Scan# 564

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampled :

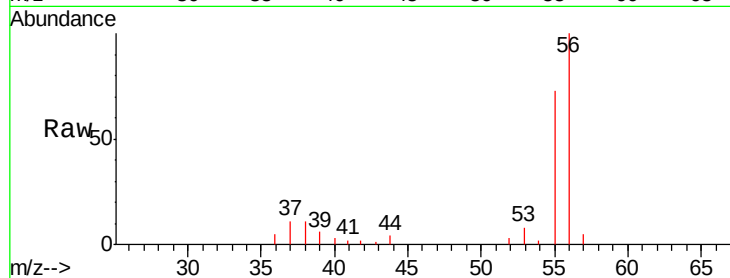
VN0927WBS01

Tgt Ion: 56 Resp: 33568

Ion Ratio Lower Upper

56 100

55 74.3 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

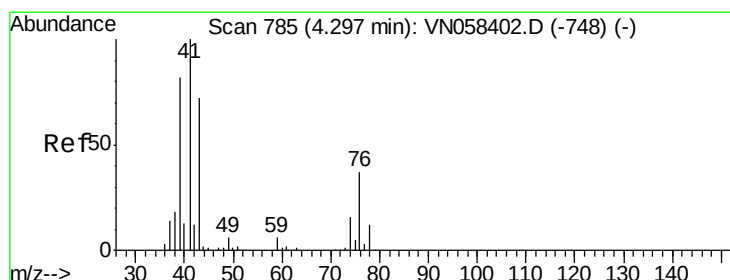
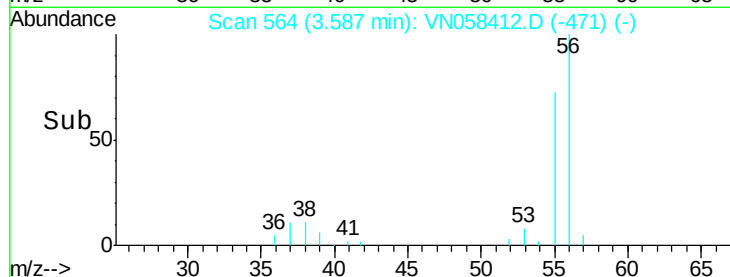
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 24.350 ug/l

RT: 4.30 min Scan# 787

Delta R.T. 0.01 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

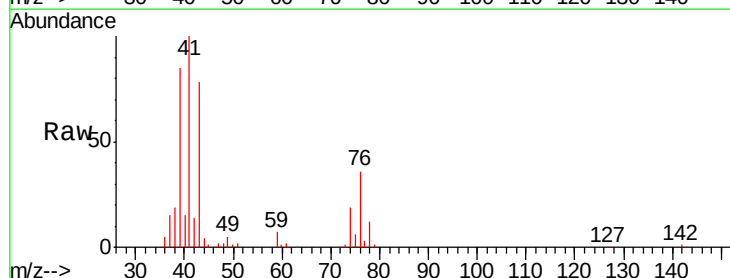
Tgt Ion: 41 Resp: 152878

Ion Ratio Lower Upper

41 100

39 76.5 62.3 93.5

76 32.7 26.9 40.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

50000

40000

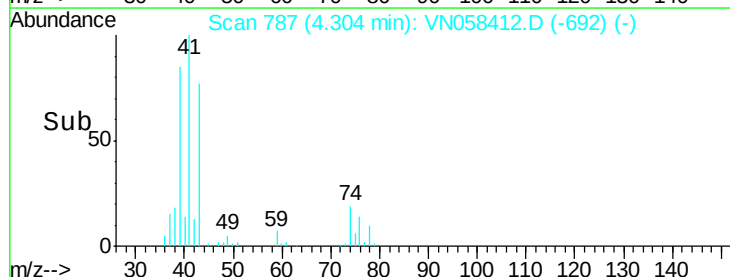
30000

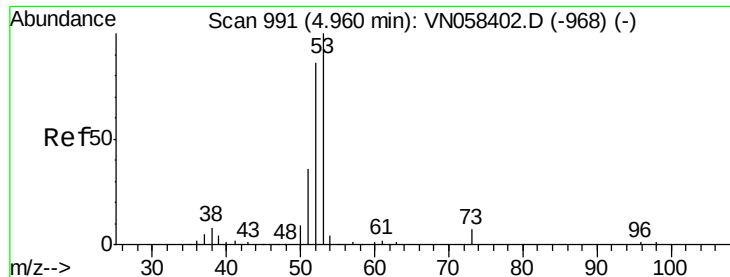
20000

10000

0

Time-->





#15

Acrylonitrile

Concen: 113.188 ug/l

RT: 4.96 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

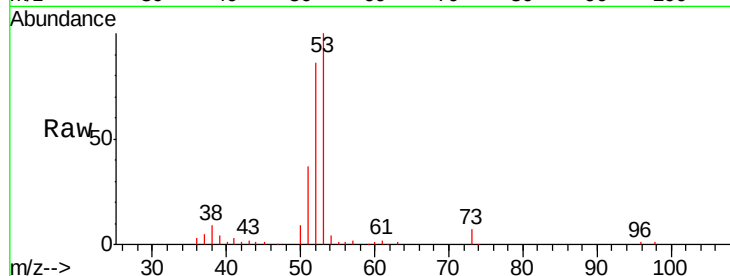
Tgt Ion: 53 Resp: 226542

Ion Ratio Lower Upper

53 100

52 82.4 66.6 100.0

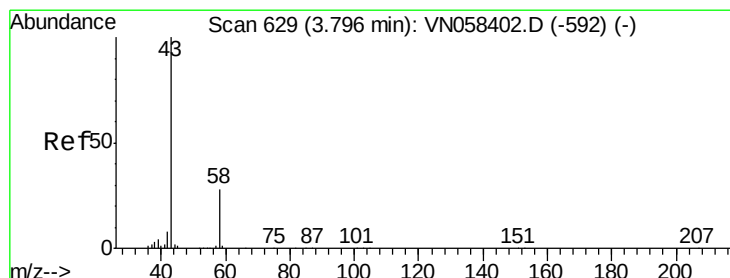
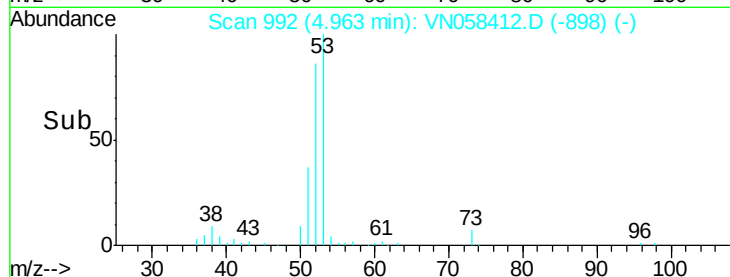
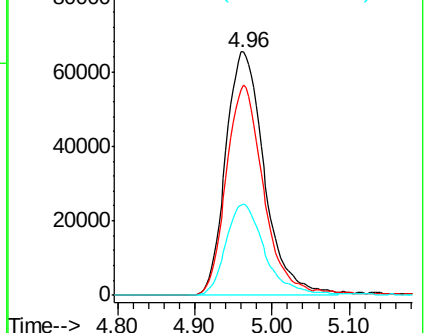
51 38.1 29.8 44.8



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 107.292 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058412.D

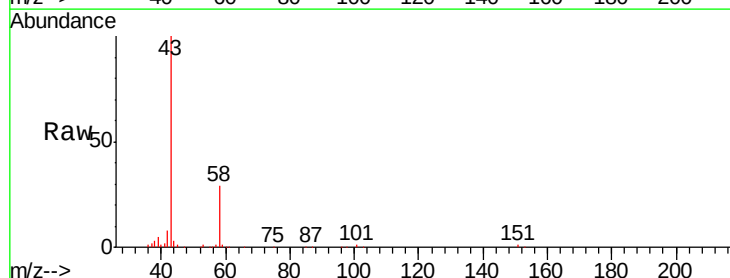
Acq: 27 Sep 2019 16:51

Tgt Ion: 43 Resp: 231655

Ion Ratio Lower Upper

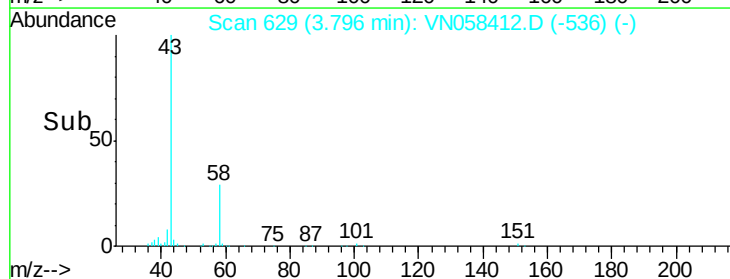
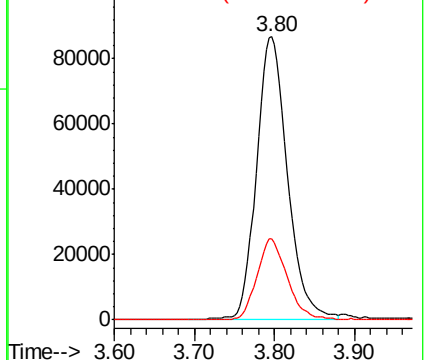
43 100

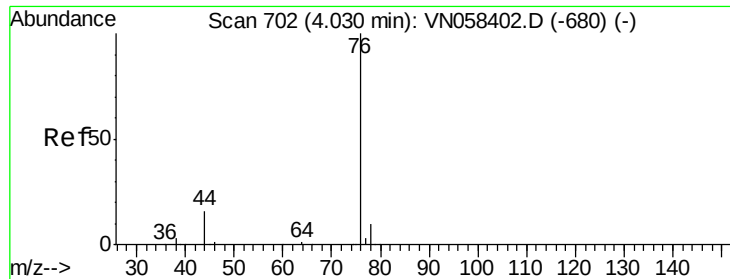
58 28.6 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

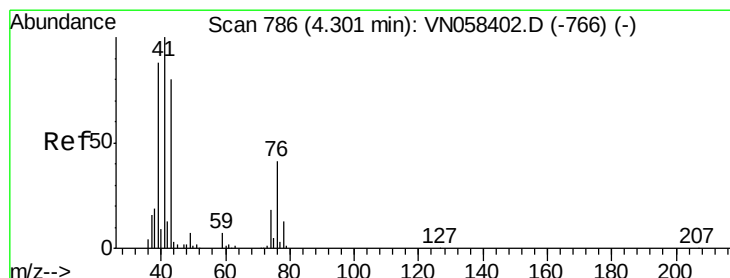
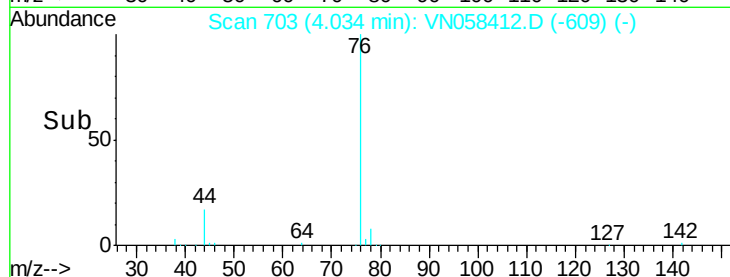
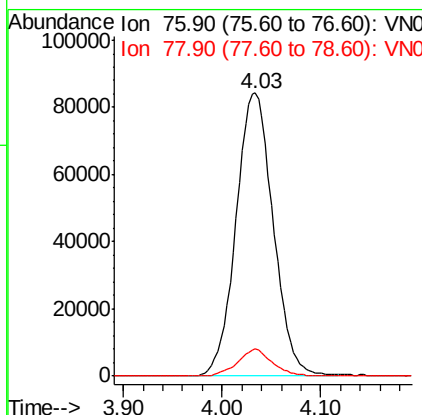
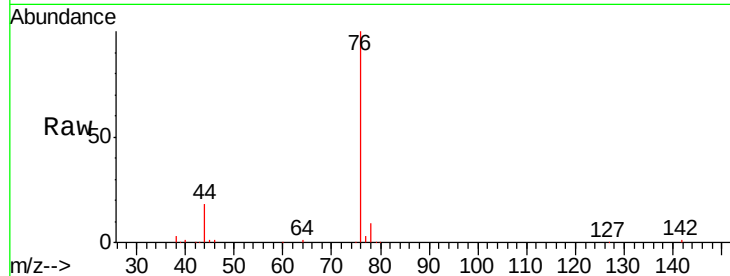




#17
Carbon Disulfide
Concen: 36.697 ug/l
RT: 4.03 min Scan# 703
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

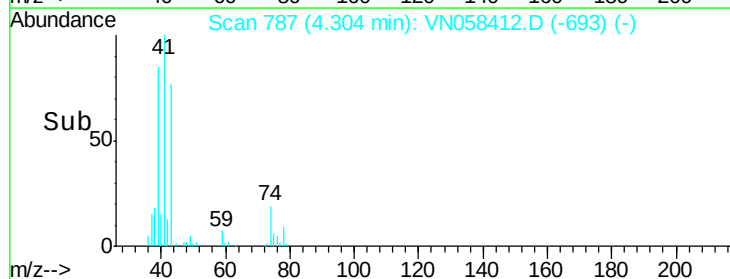
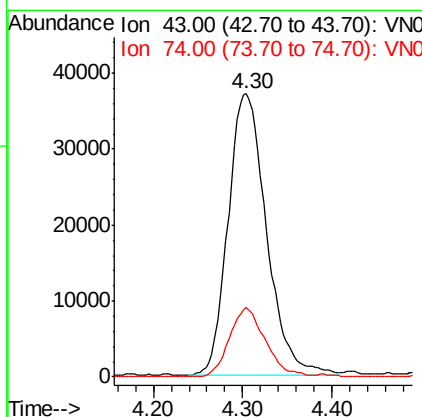
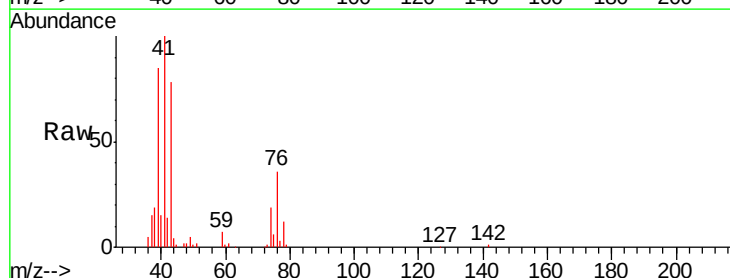
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

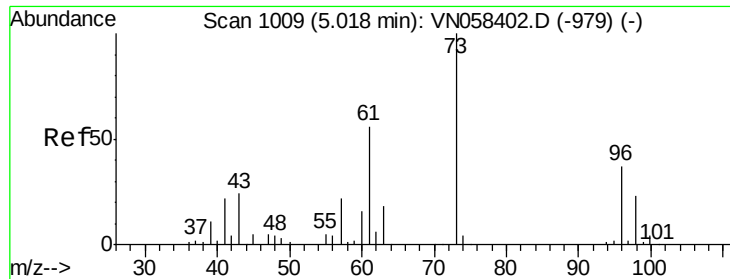
Tgt Ion: 76 Resp: 220297
Ion Ratio Lower Upper
76 100
78 9.5 7.7 11.5



#18
Methyl Acetate
Concen: 19.802 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 43 Resp: 110524
Ion Ratio Lower Upper
43 100
74 23.1 18.0 27.0

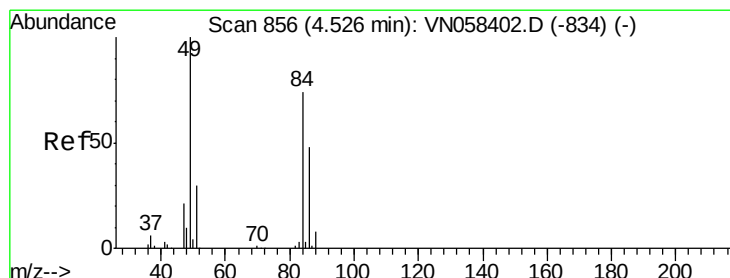
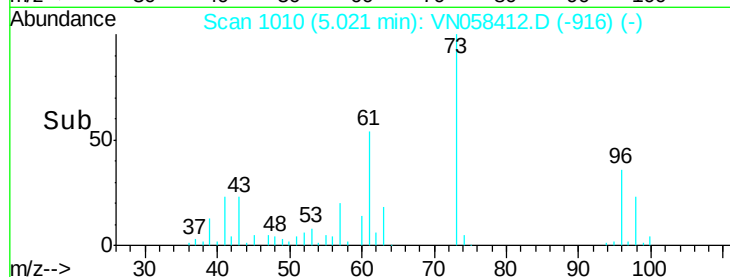
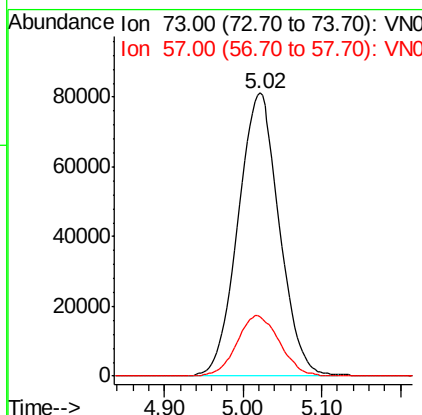
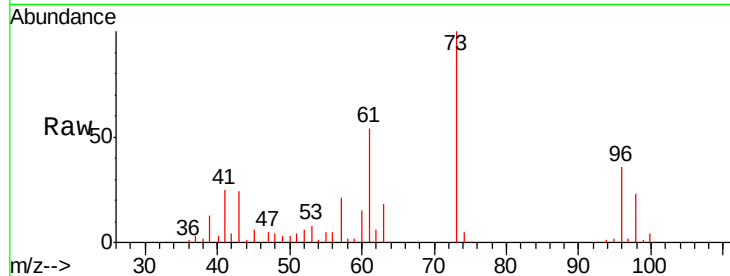




#19
Methyl tert-butyl Ether
Concen: 21.438 ug/l
RT: 5.02 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

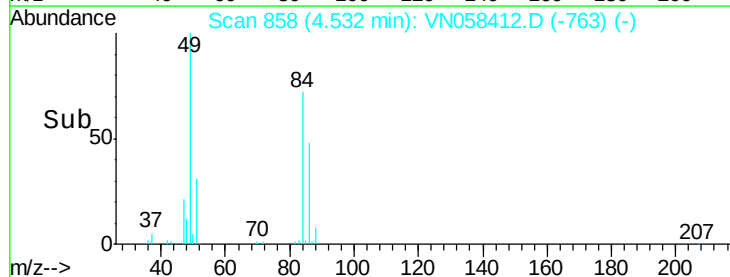
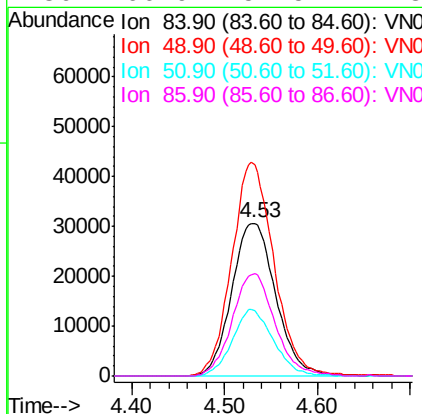
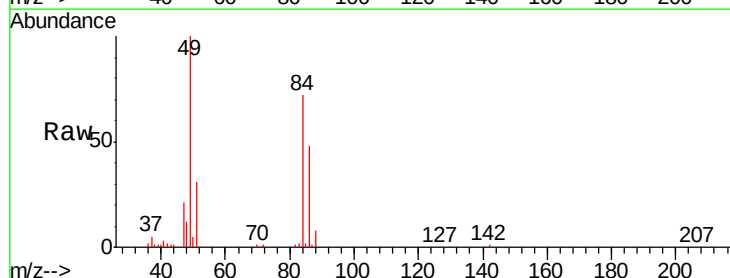
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

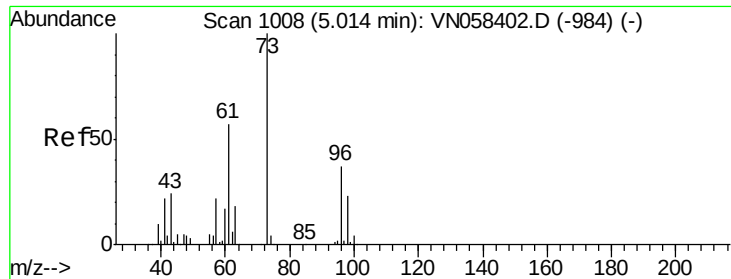
Tgt Ion: 73 Resp: 298366
Ion Ratio Lower Upper
73 100
57 20.9 17.6 26.4



#20
Methylene Chloride
Concen: 23.293 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.01 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 84 Resp: 100715
Ion Ratio Lower Upper
84 100
49 138.5 107.9 161.9
51 42.5 32.8 49.2
86 66.9 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 25.848 ug/l

RT: 5.02 min Scan# 1009

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

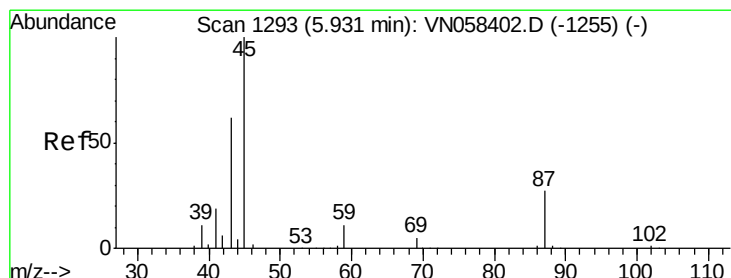
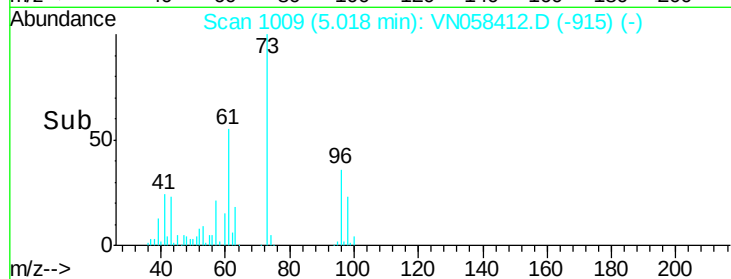
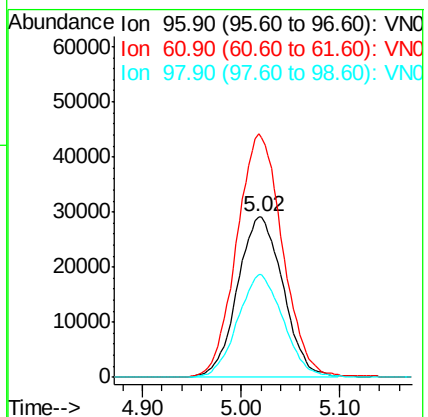
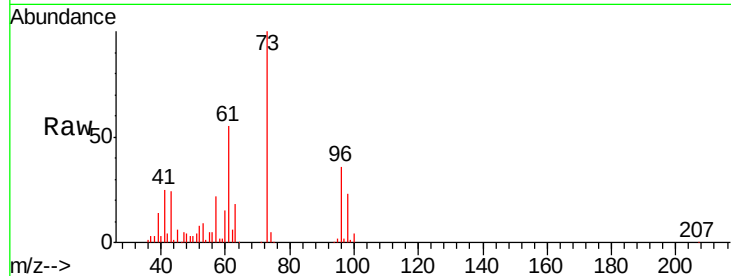
Tgt Ion: 96 Resp: 93208

Ion Ratio Lower Upper

96 100

61 151.3 121.9 182.9

98 63.8 49.3 73.9



#22

Diisopropyl ether

Concen: 21.698 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion: 45 Resp: 332274

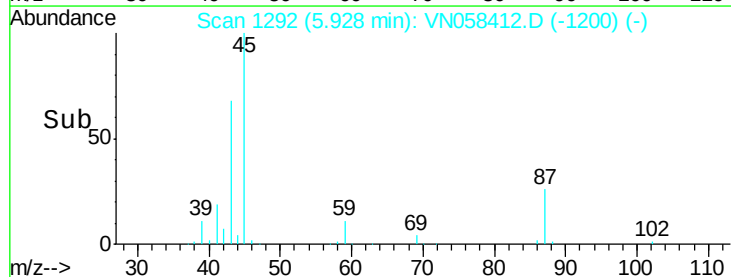
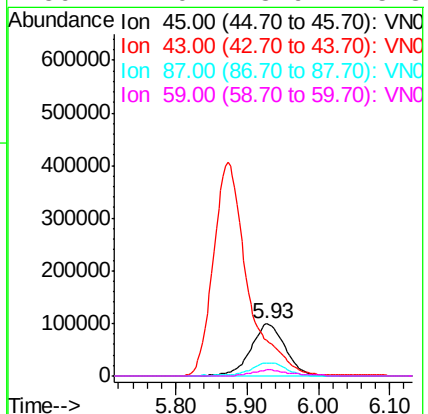
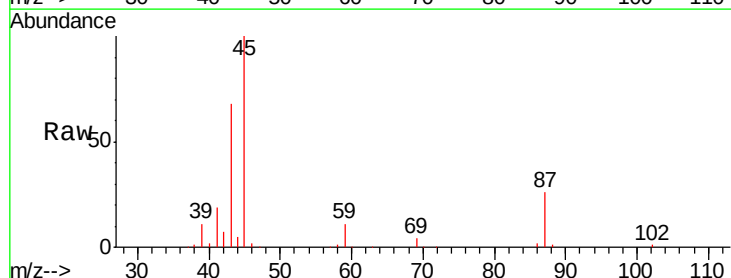
Ion Ratio Lower Upper

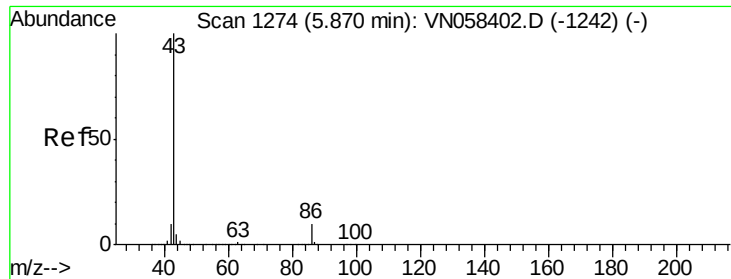
45 100

43 65.8 49.7 74.5

87 25.3 21.5 32.3

59 11.0 8.9 13.3





#23

Vinyl Acetate

Concen: 125.778 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

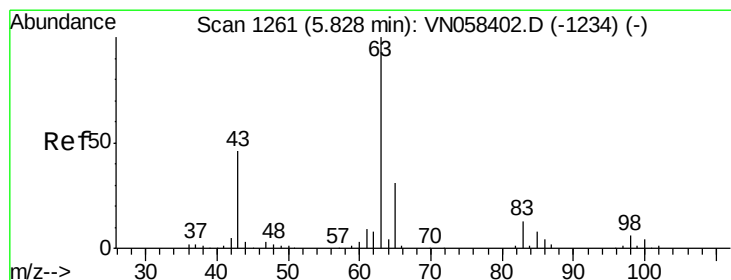
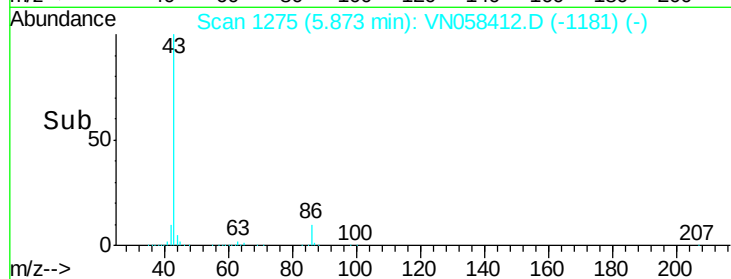
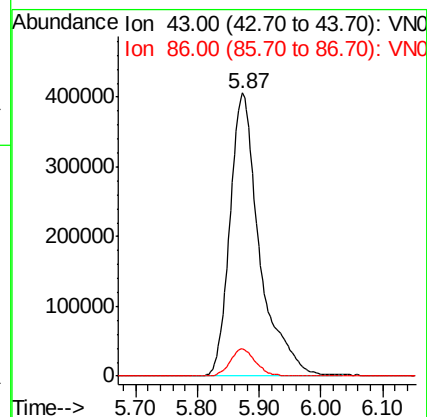
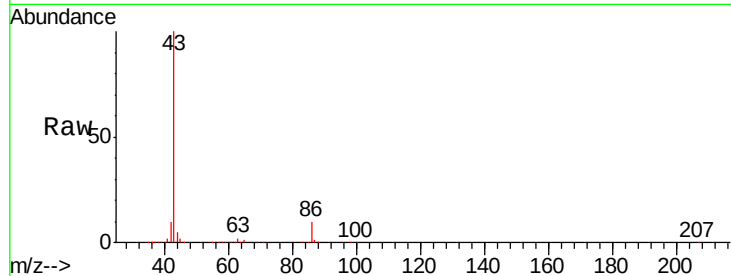
VN0927WBS01

Tgt Ion: 43 Resp: 1354249

Ion Ratio Lower Upper

43 100

86 9.5 7.7 11.5



#24

1,1-Dichloroethane

Concen: 22.523 ug/l

RT: 5.83 min Scan# 1261

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

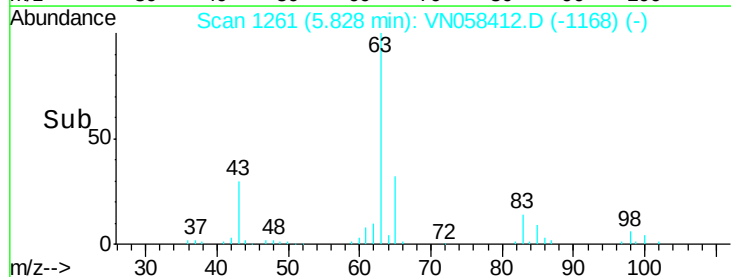
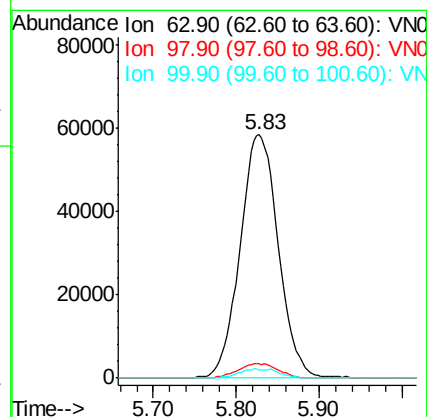
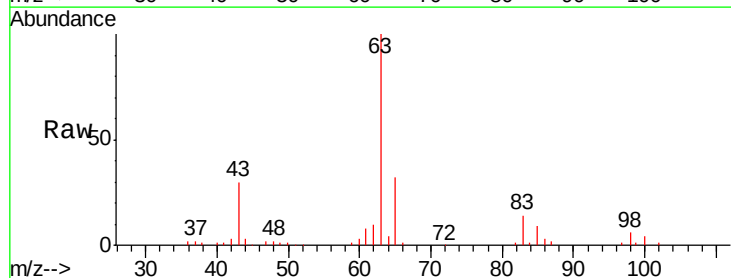
Tgt Ion: 63 Resp: 187131

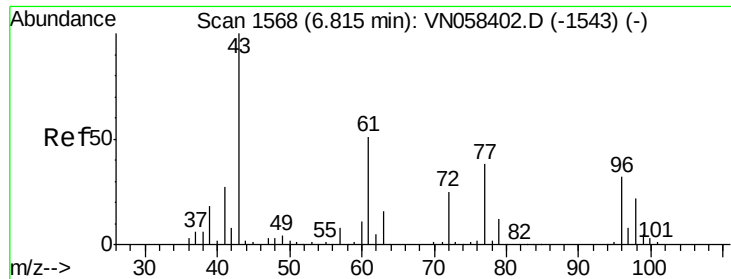
Ion Ratio Lower Upper

63 100

98 5.9 3.0 9.0

100 3.6 2.0 5.8





#25

2-Butanone

Concen: 112.178 ug/l

RT: 6.82 min Scan# 1568

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampled :

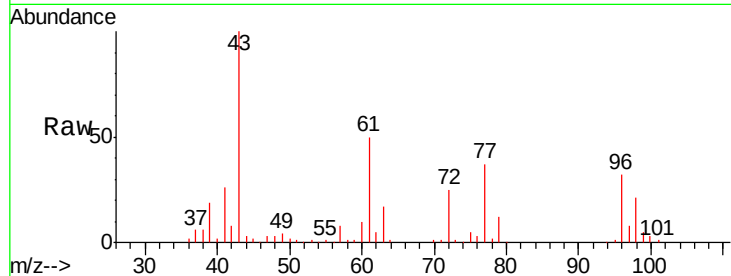
VN0927WBS01

Tgt Ion: 43 Resp: 327292

Ion Ratio Lower Upper

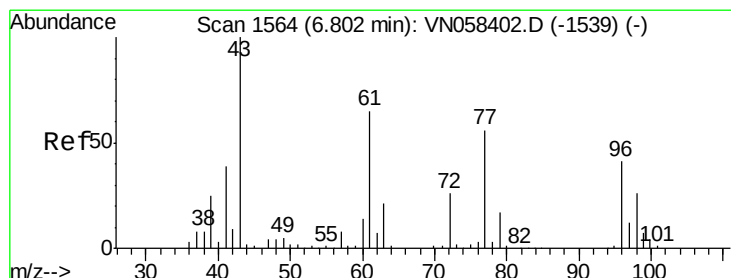
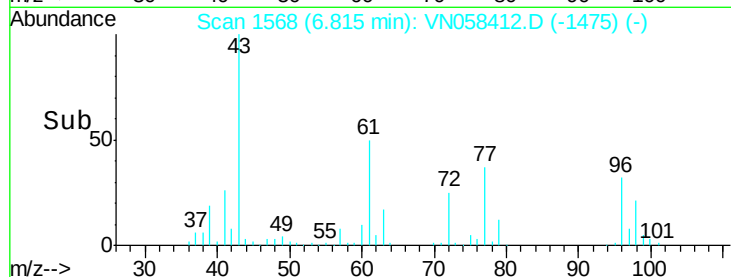
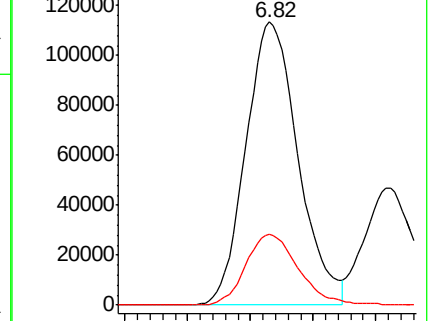
43 100

72 25.2 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 21.429 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058412.D

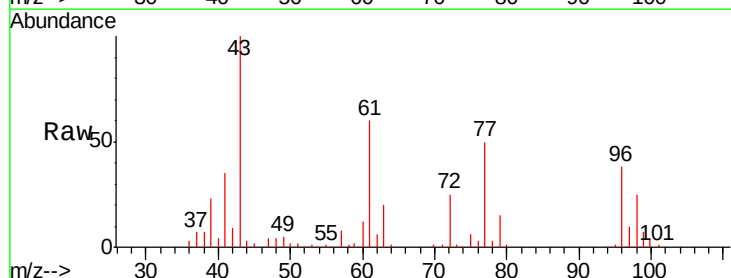
Acq: 27 Sep 2019 16:51

Tgt Ion: 77 Resp: 150597

Ion Ratio Lower Upper

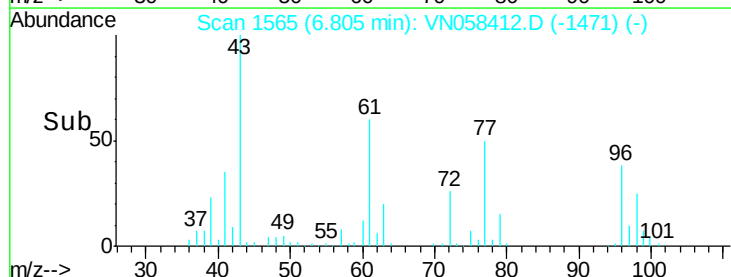
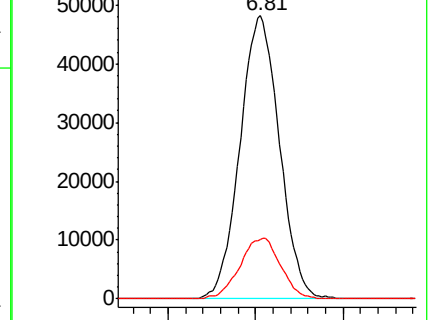
77 100

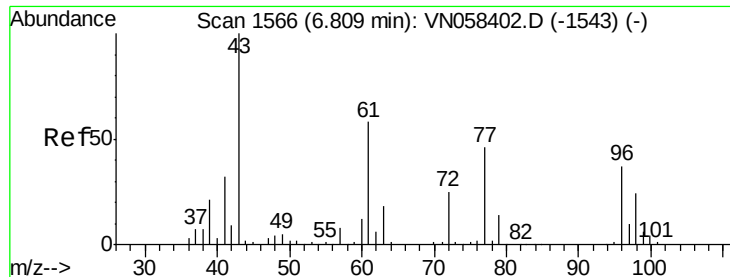
97 22.0 10.9 32.6



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 23.502 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

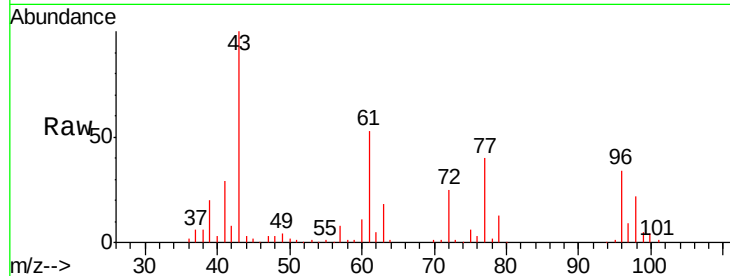
Tgt Ion: 96 Resp: 111090

Ion Ratio Lower Upper

96 100

61 156.5 0.0 318.8

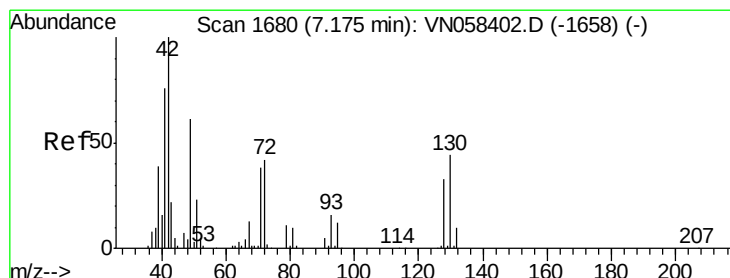
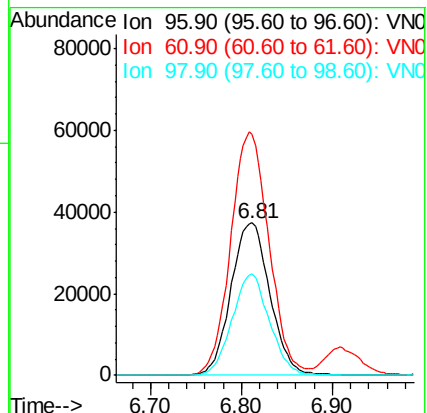
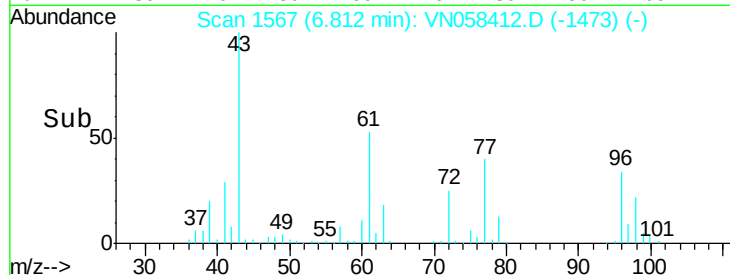
98 63.7 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 20.325 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

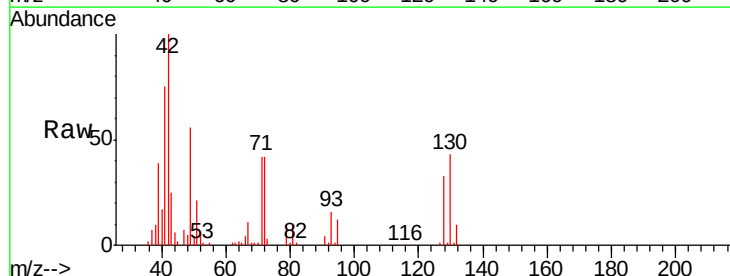
Tgt Ion: 49 Resp: 76662

Ion Ratio Lower Upper

49 100

129 1.3 0.0 3.4

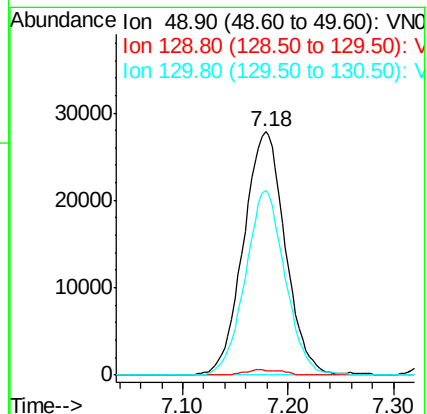
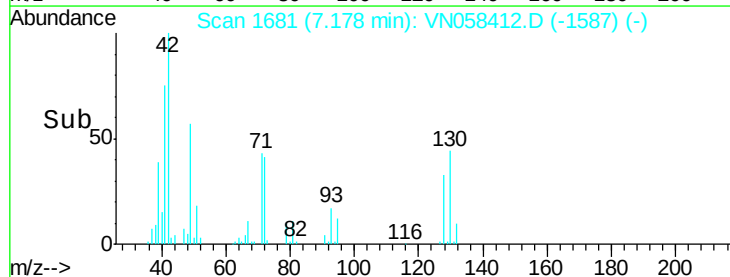
130 72.3 56.3 84.5

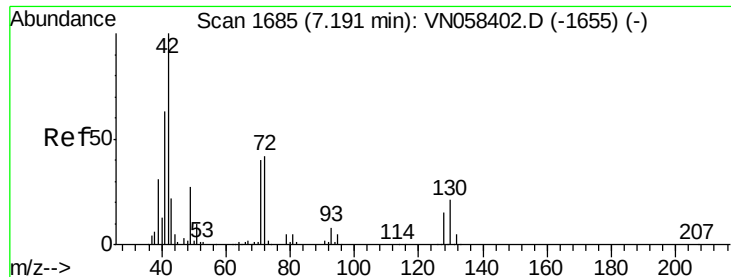


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

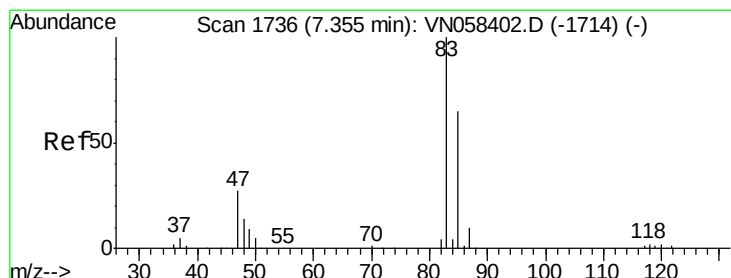
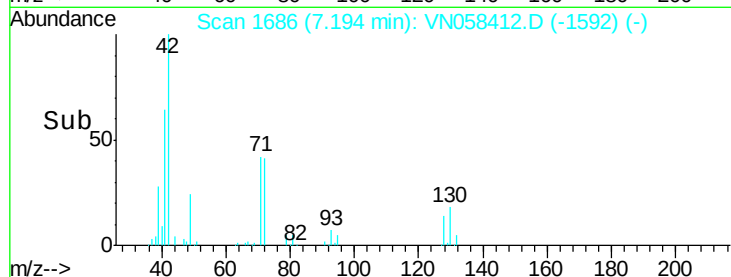
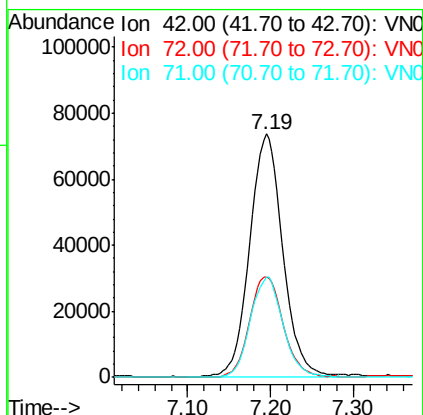
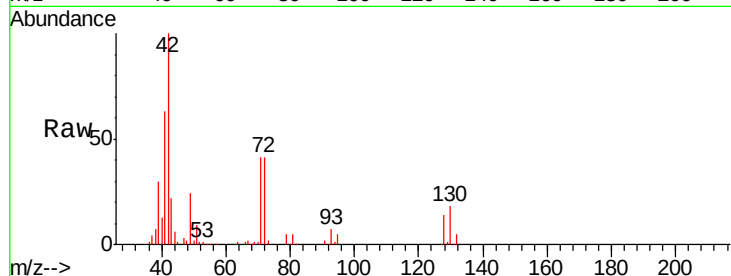




#29
Tetrahydrofuran
Concen: 113.293 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

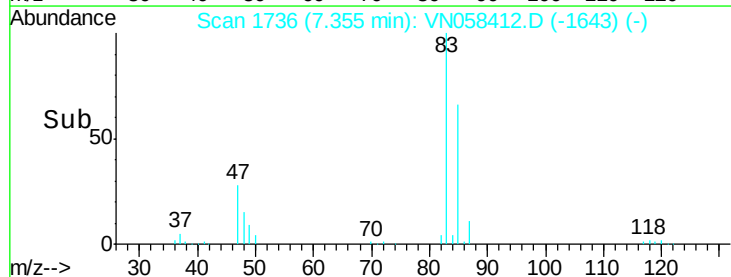
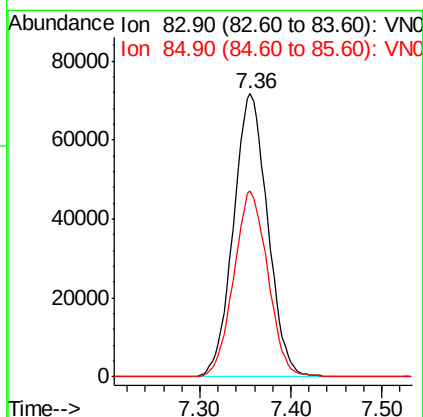
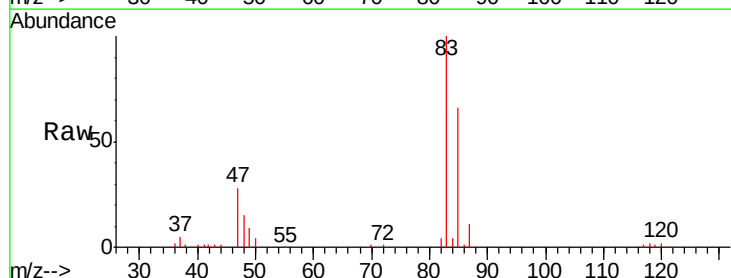
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

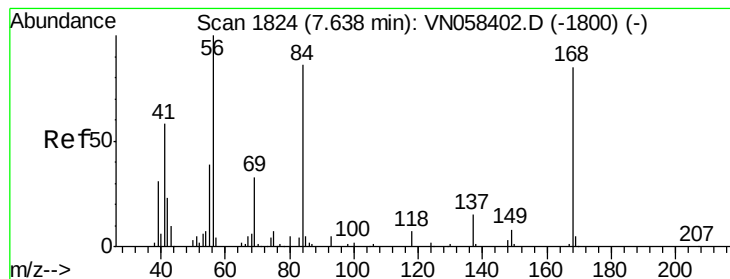
Tgt Ion: 42 Resp: 205724
Ion Ratio Lower Upper
42 100
72 41.8 33.7 50.5
71 40.8 31.8 47.6



#30
Chloroform
Concen: 21.244 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 83 Resp: 187624
Ion Ratio Lower Upper
83 100
85 65.7 52.0 78.0





#31

Cyclohexane

Concen: 27.196 ug/l

RT: 7.64 min Scan# 1824

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

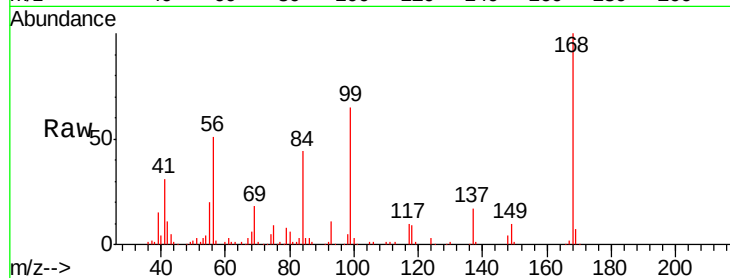
Tgt Ion: 56 Resp: 181259

Ion Ratio Lower Upper

56 100

69 36.0 26.2 39.4

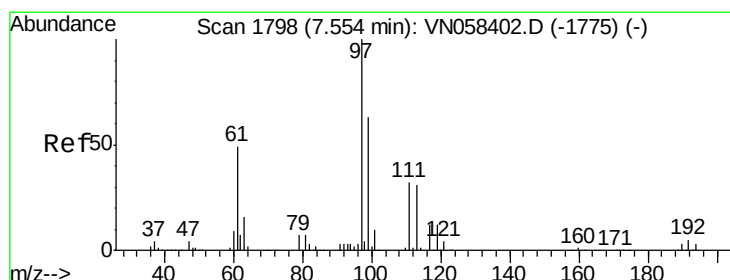
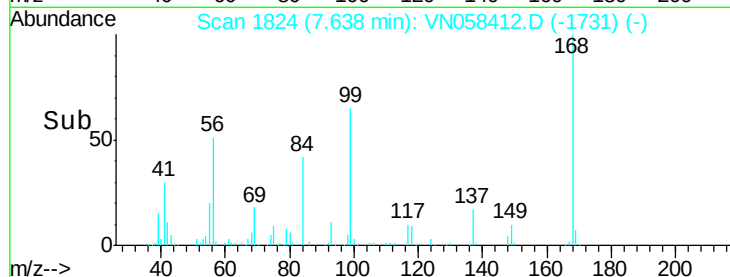
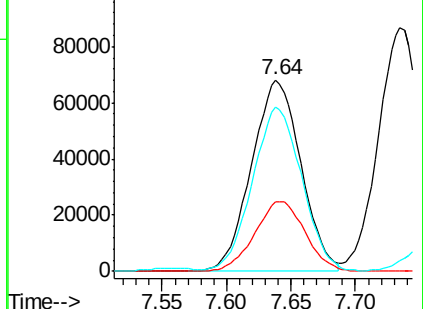
84 84.3 67.6 101.4



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: 23.180 ug/l

RT: 7.55 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

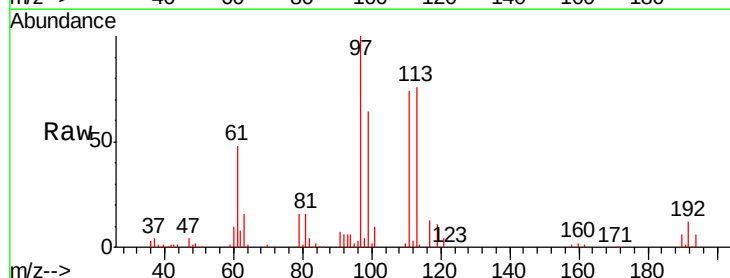
Tgt Ion: 97 Resp: 157860

Ion Ratio Lower Upper

97 100

99 63.5 51.1 76.7

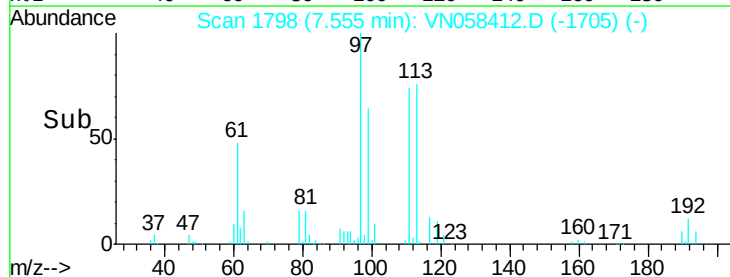
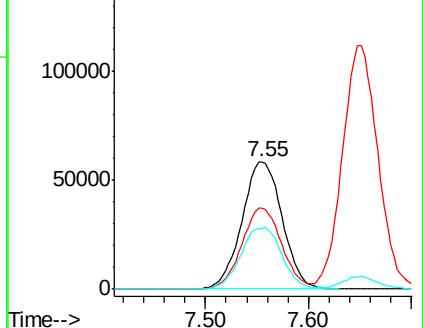
61 49.5 39.2 58.8

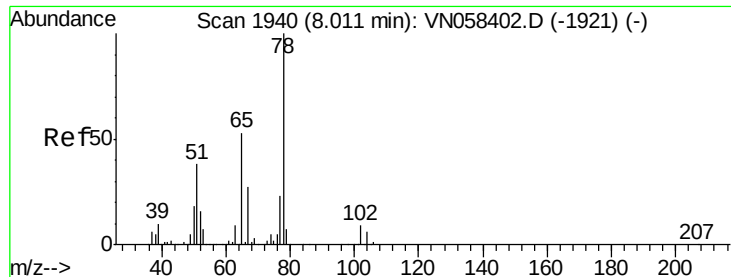


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

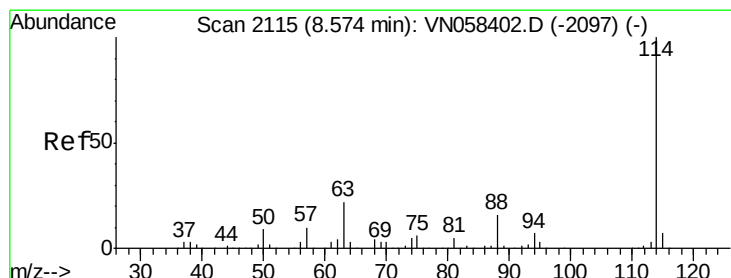
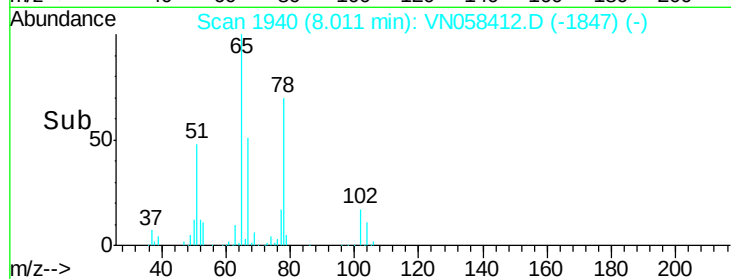
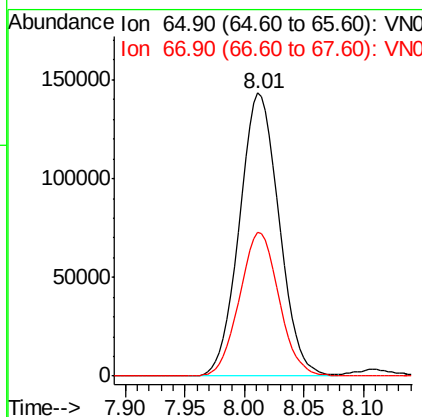
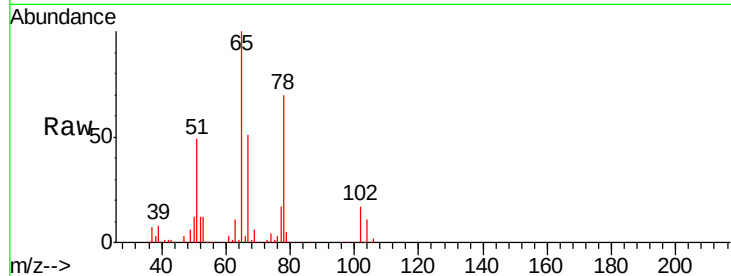




#33
 1,2-Dichloroethane-d4
 Concen: 52.814 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

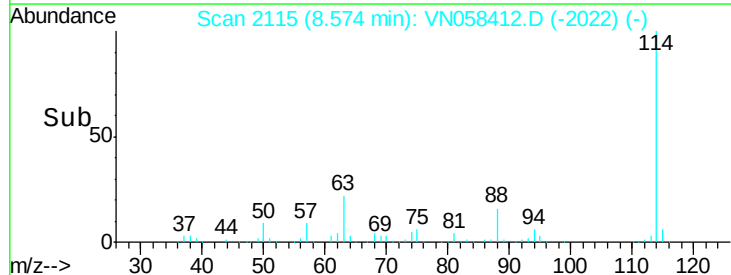
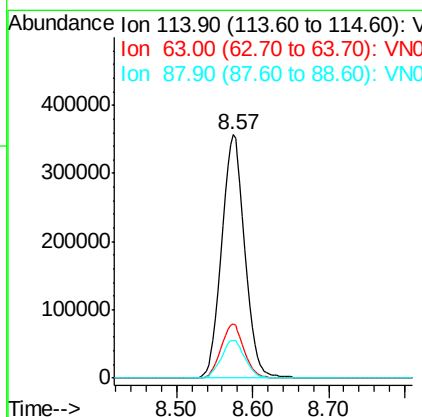
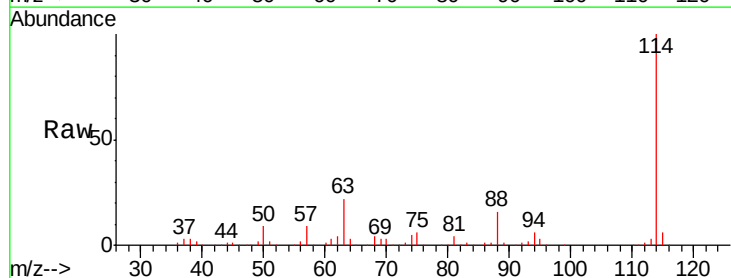
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

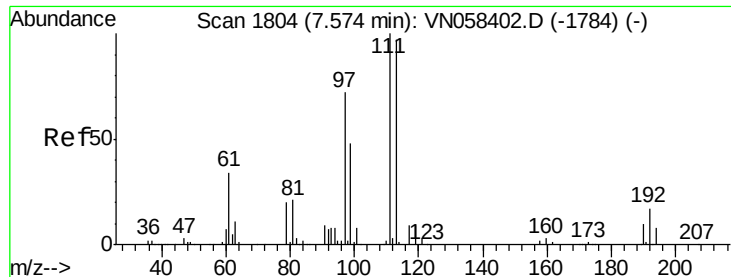
Tgt Ion: 65 Resp: 331162
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 102.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 114 Resp: 755445
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 45.0
 88 15.6 0.0 32.2

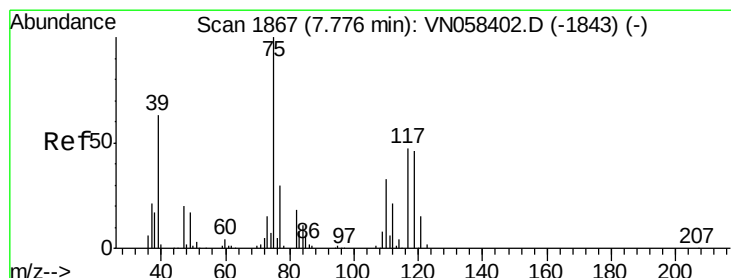
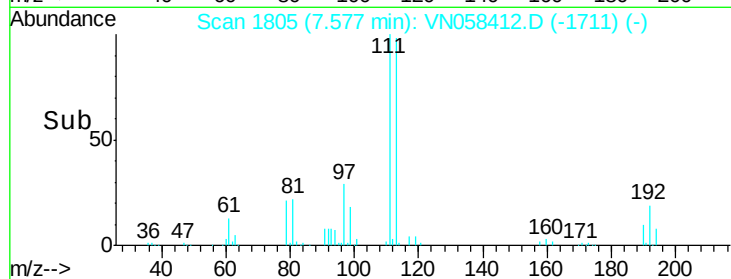
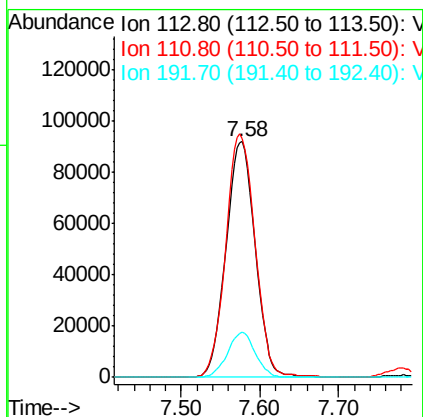
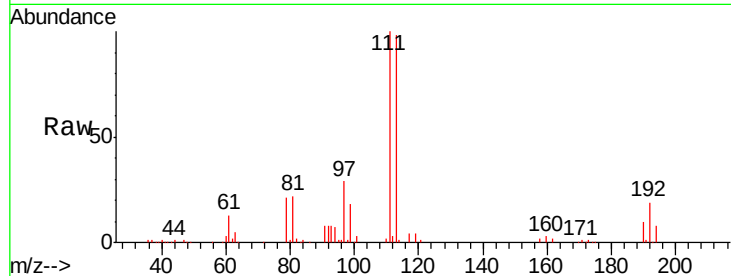




#35
 Dibromofluoromethane
 Concen: 51.416 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

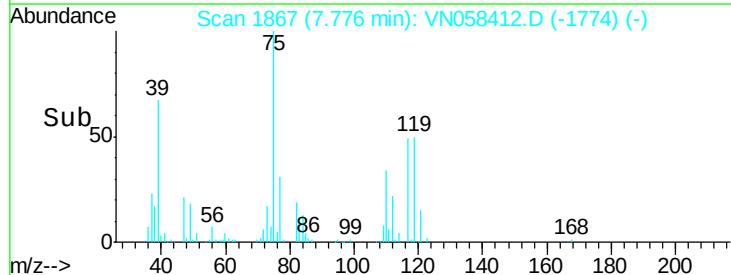
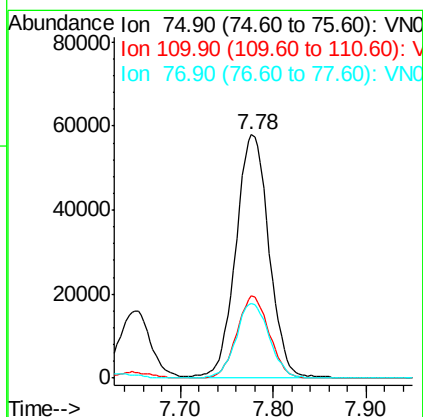
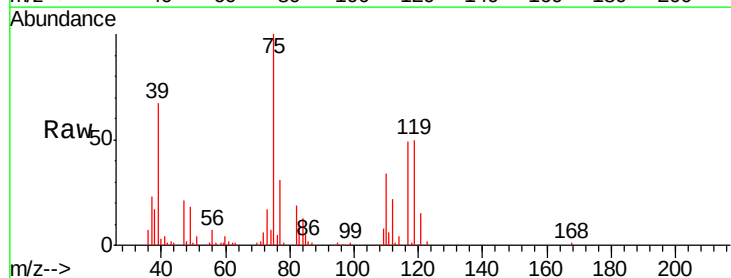
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

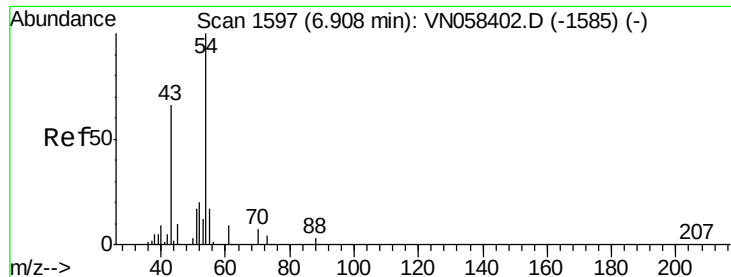
Tgt Ion: 113 Resp: 236362
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.4 125.2
 192 18.2 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 24.761 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 75 Resp: 144547
 Ion Ratio Lower Upper
 75 100
 110 32.7 16.4 49.2
 77 30.7 24.3 36.5

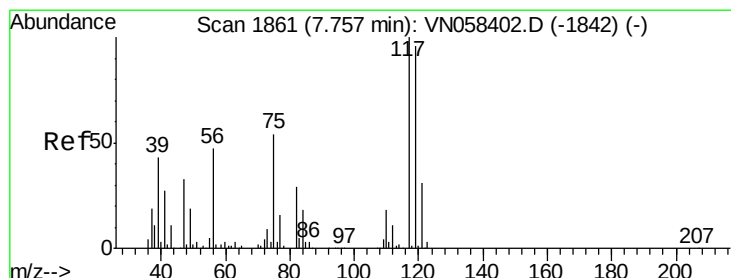
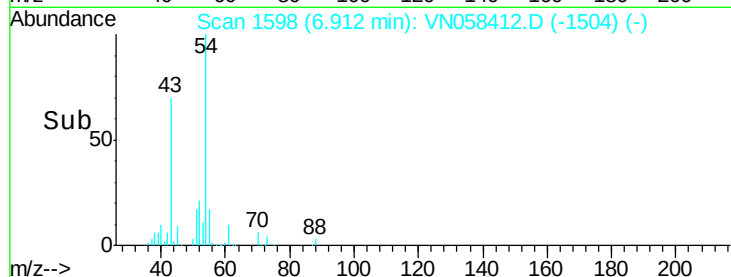
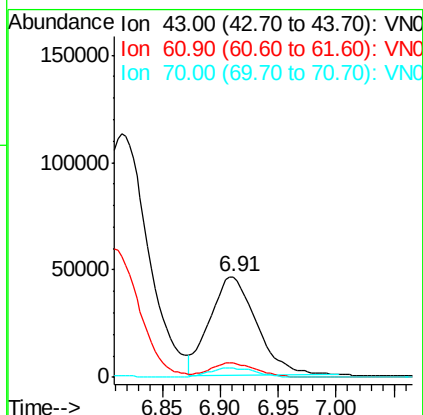
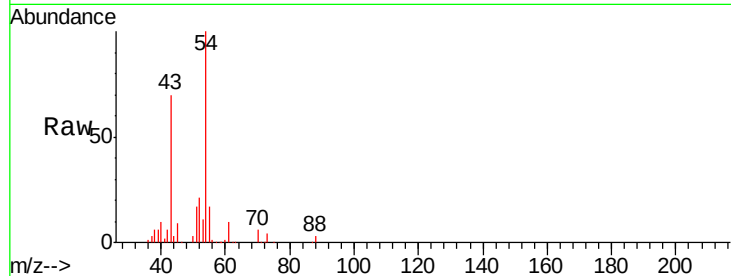




#37
 Ethyl Acetate
 Concen: 22.458 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

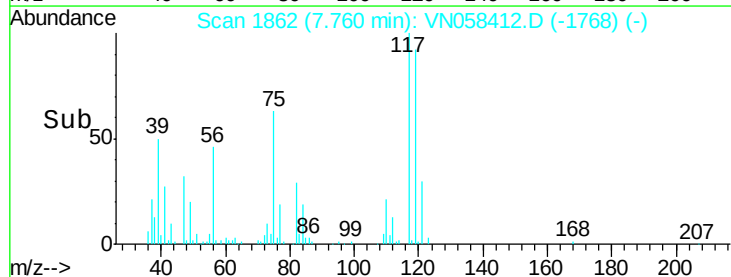
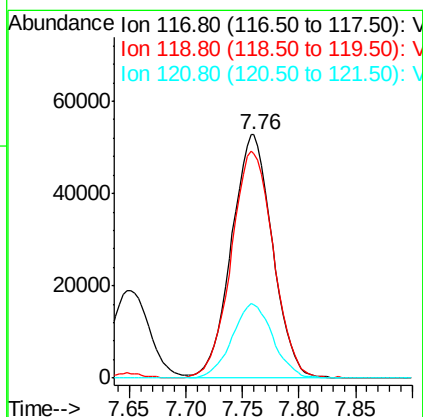
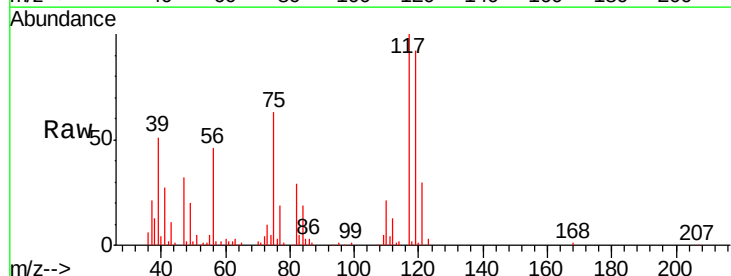
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

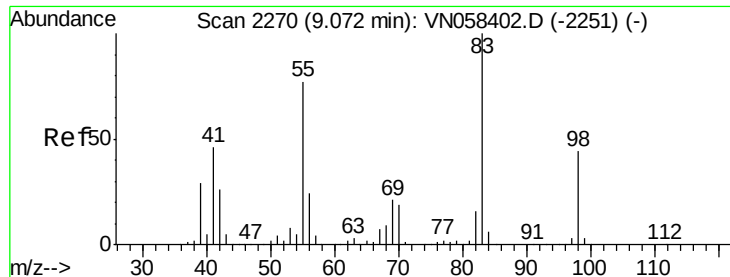
Tgt Ion: 43 Resp: 130002
 Ion Ratio Lower Upper
 43 100
 61 13.8 10.5 15.7
 70 9.7 7.8 11.6



#38
 Carbon Tetrachloride
 Concen: 23.173 ug/l
 RT: 7.76 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 117 Resp: 132866
 Ion Ratio Lower Upper
 117 100
 119 91.9 76.6 115.0
 121 30.4 24.7 37.1

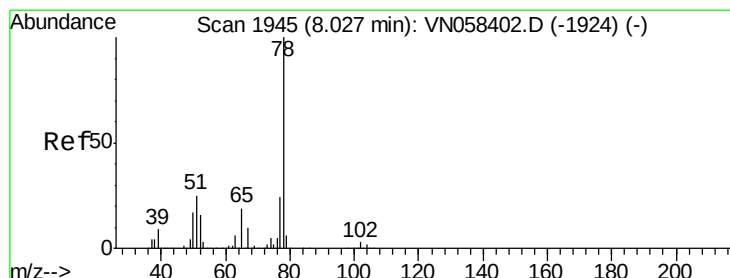
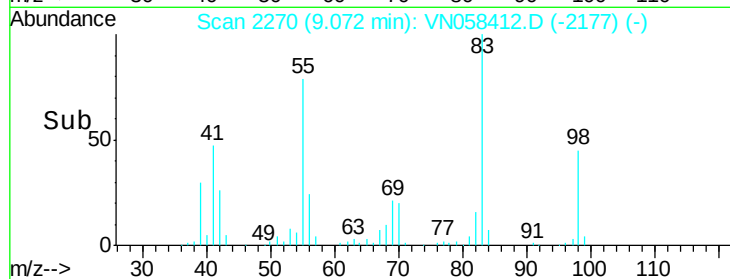
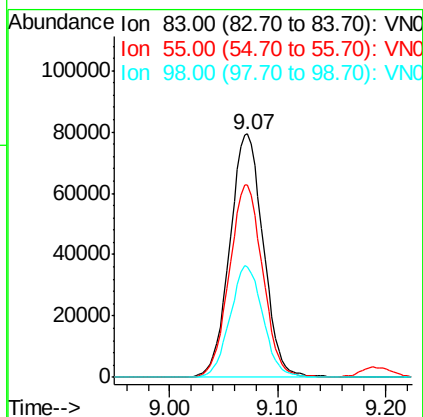
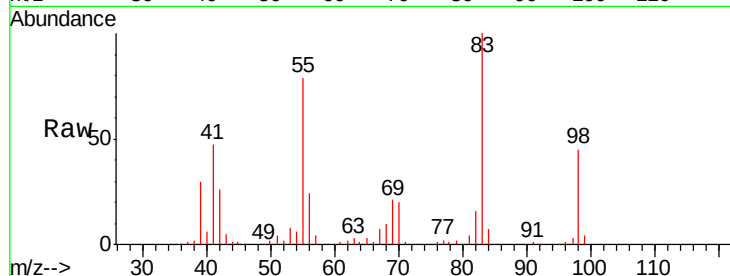




#39
Methylcyclohexane
Concen: 27.191 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

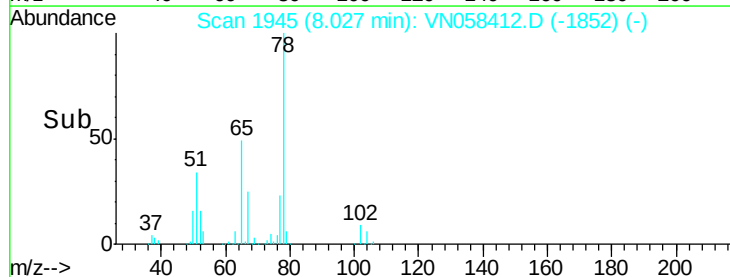
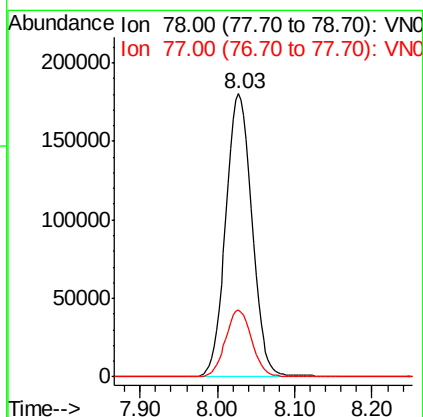
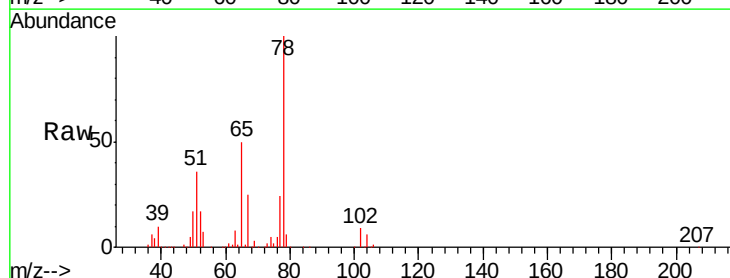
Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

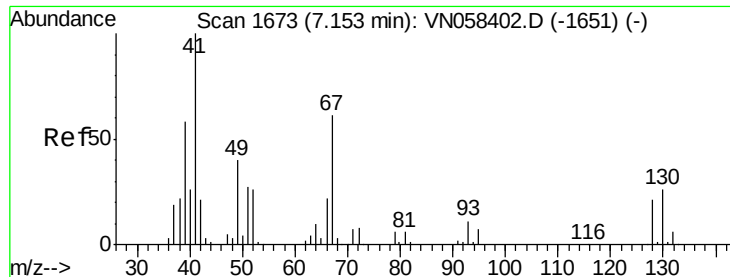
Tgt Ion: 83 Resp: 171480
Ion Ratio Lower Upper
83 100
55 79.0 61.8 92.6
98 45.3 35.4 53.0



#40
Benzene
Concen: 24.231 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 78 Resp: 424270
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

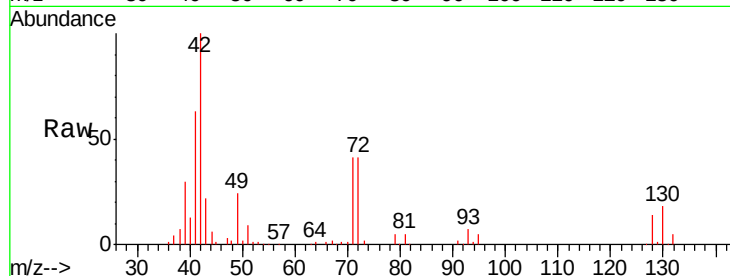




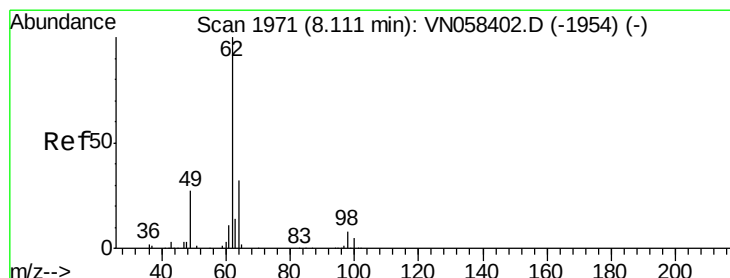
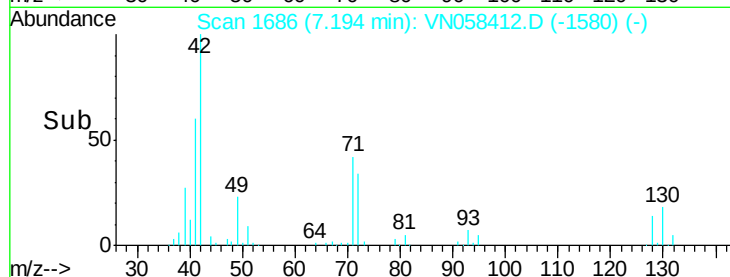
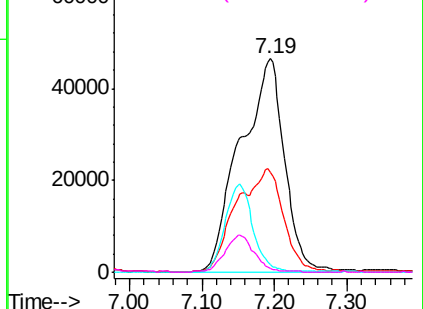
#41
Methacrylonitrile
Concen: 71.946 ug/l
RT: 7.19 min Scan# 1686
Delta R.T. 0.04 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

Tgt Ion: 41 Resp: 196746
Ion Ratio Lower Upper
41 100
39 0.0 50.2 75.4#
67 0.0 70.2 105.4#
52 0.0 31.4 47.0#

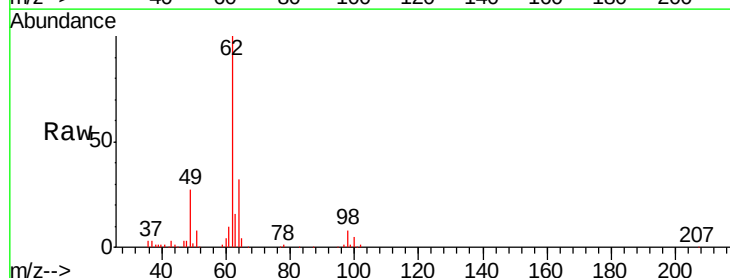


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

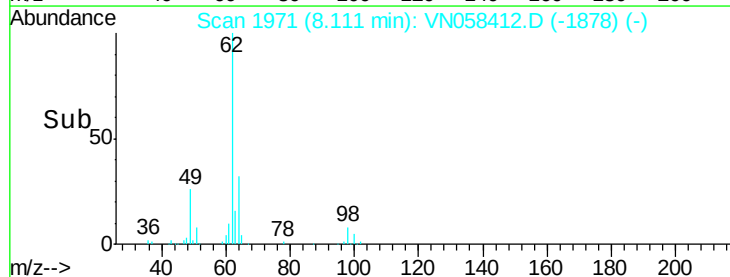
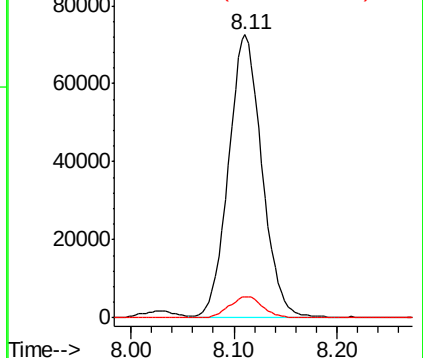


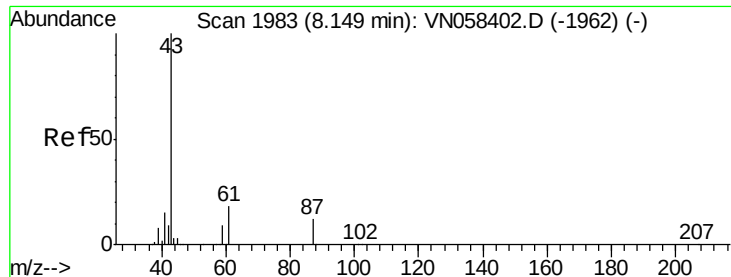
#42
1,2-Dichloroethane
Concen: 22.620 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 62 Resp: 163095
Ion Ratio Lower Upper
62 100
98 7.5 0.0 15.6



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.761 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

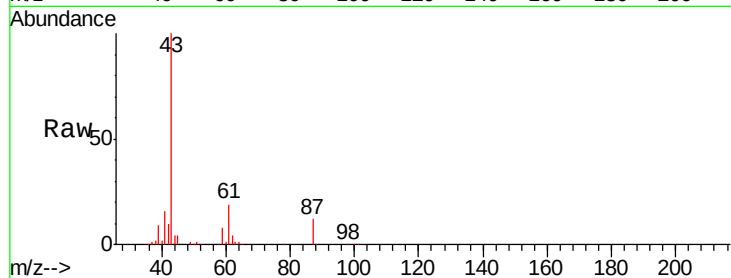
Tgt Ion: 43 Resp: 223211

Ion Ratio Lower Upper

43 100

61 25.6 14.8 22.2#

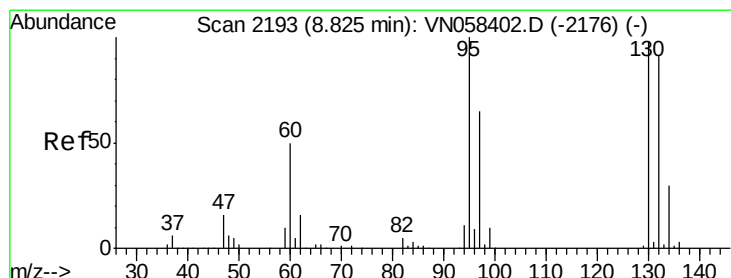
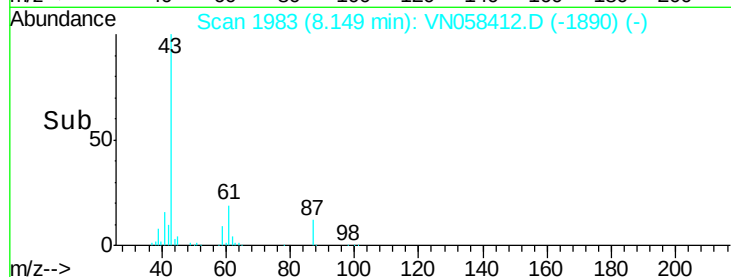
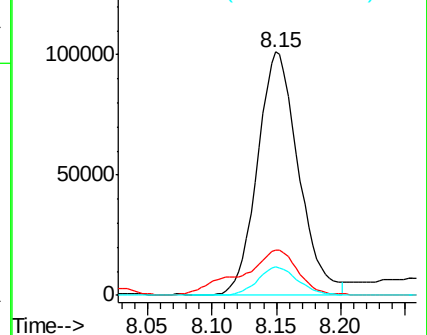
87 11.7 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058412.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058412.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058412.D (-1890) (-)



#44

Trichloroethene

Concen: 24.211 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058412.D

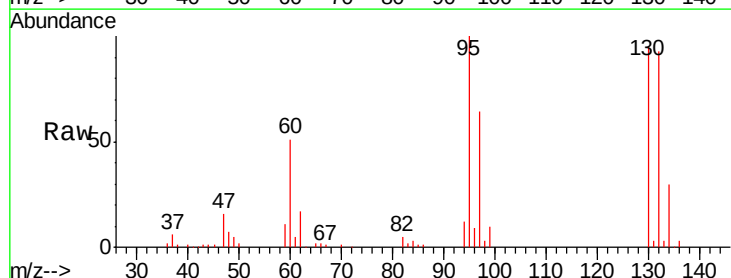
Acq: 27 Sep 2019 16:51

Tgt Ion: 130 Resp: 103937

Ion Ratio Lower Upper

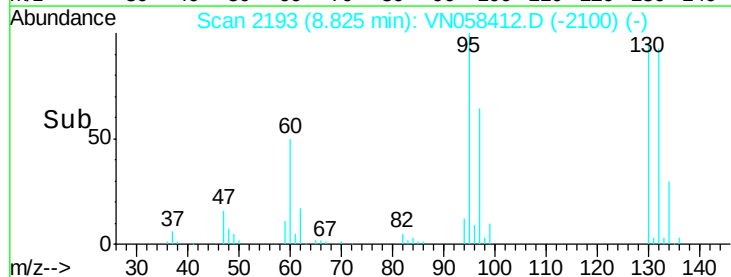
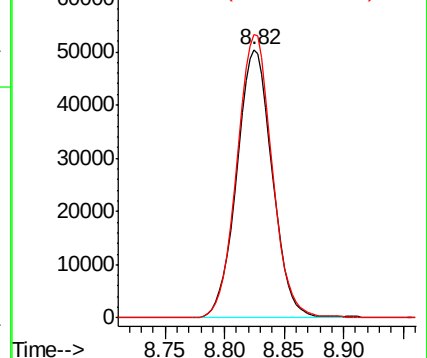
130 100

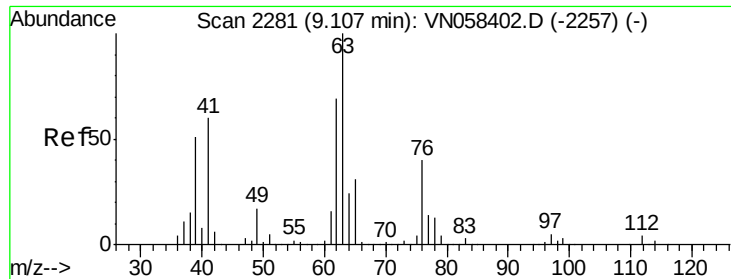
95 105.4 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058412.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058412.D (-2100) (-)





#45

1,2-Dichloropropane

Concen: 22.347 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

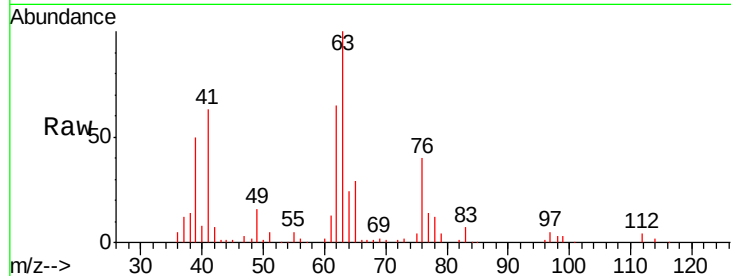
VN0927WBS01

Tgt Ion: 63 Resp: 113875

Ion Ratio Lower Upper

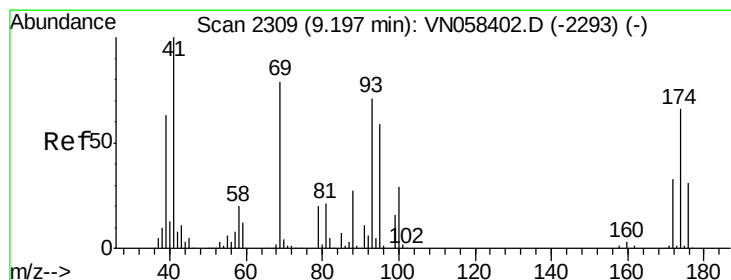
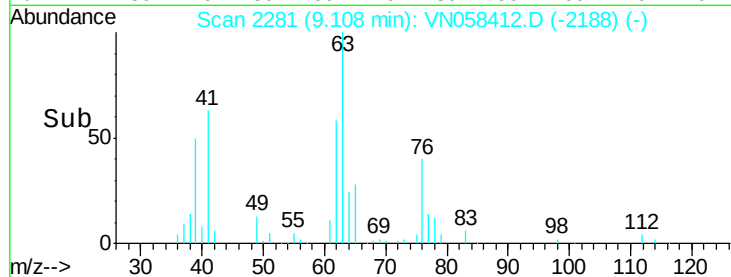
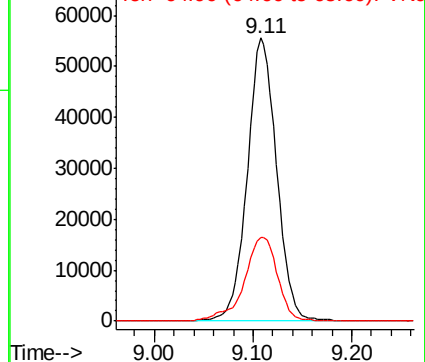
63 100

65 29.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 22.994 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

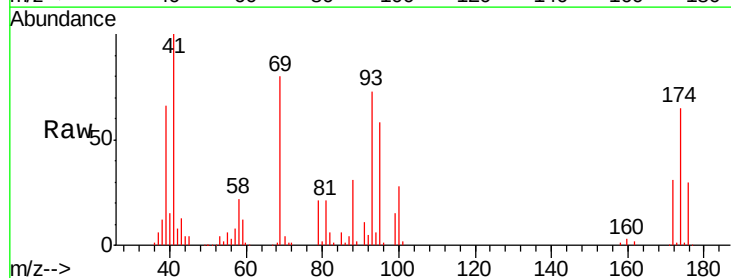
Tgt Ion: 93 Resp: 71822

Ion Ratio Lower Upper

93 100

95 80.6 67.0 100.4

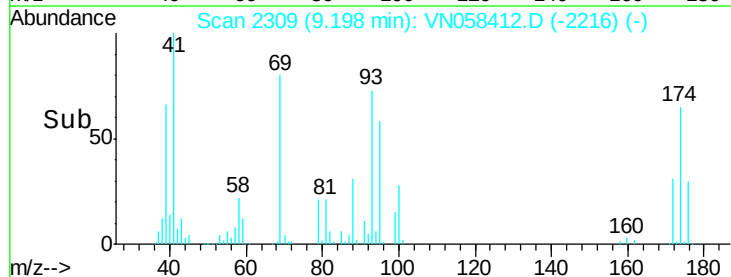
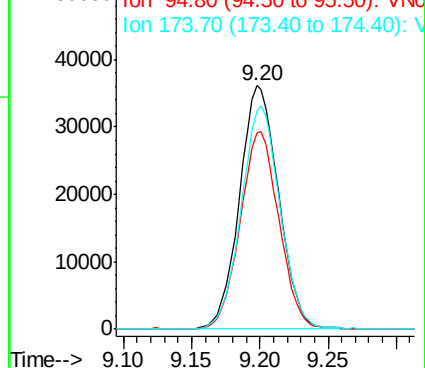
174 91.3 74.2 111.2

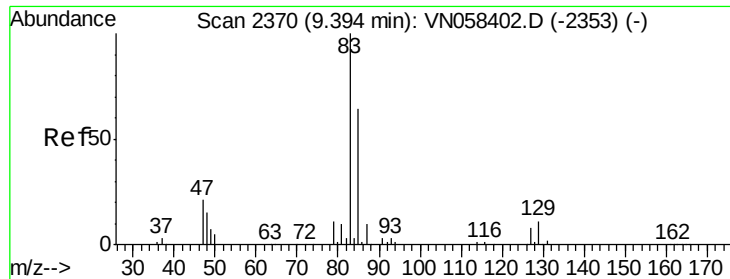


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.466 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

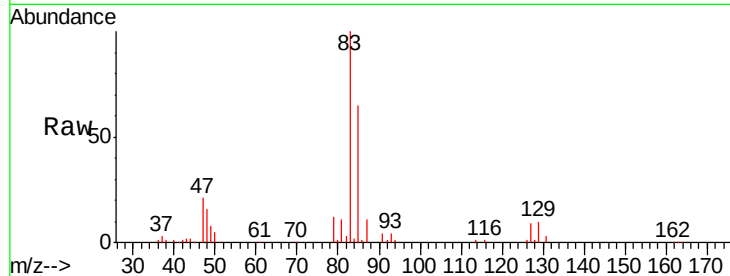
Tgt Ion: 83 Resp: 138004

Ion Ratio Lower Upper

83 100

85 65.4 51.2 76.8

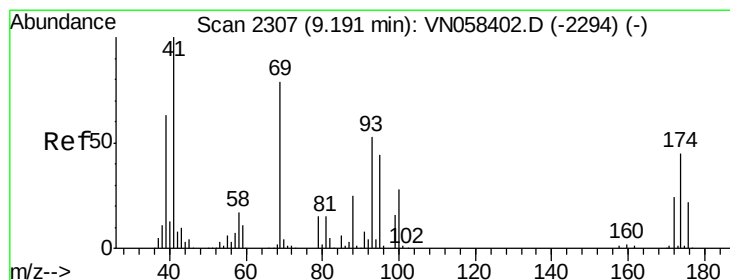
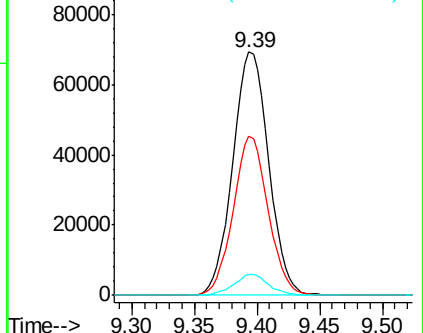
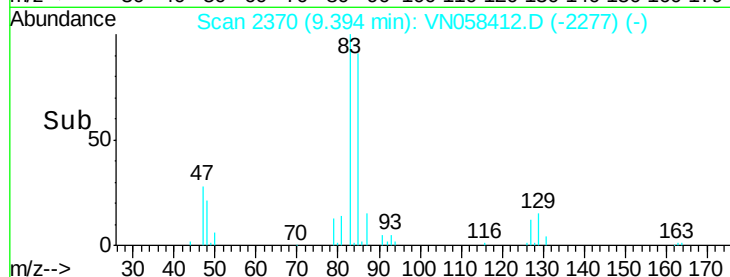
127 8.5 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 22.254 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

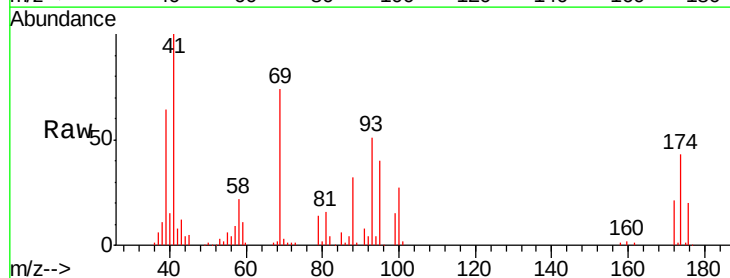
Tgt Ion: 41 Resp: 108494

Ion Ratio Lower Upper

41 100

69 80.7 64.7 97.1

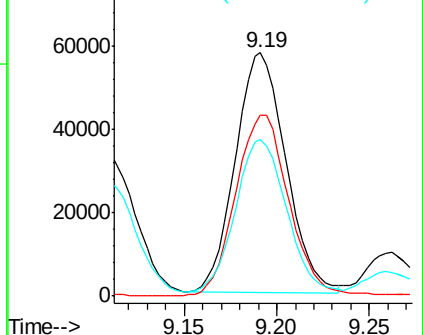
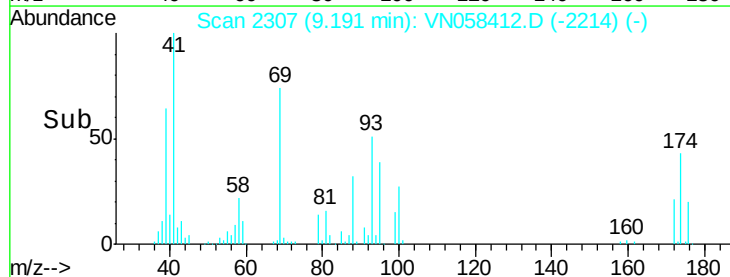
39 67.5 52.9 79.3

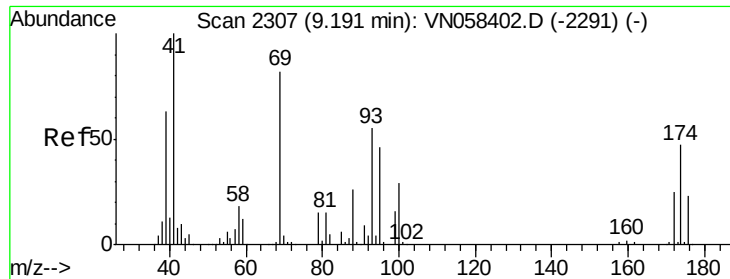


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 483.948 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

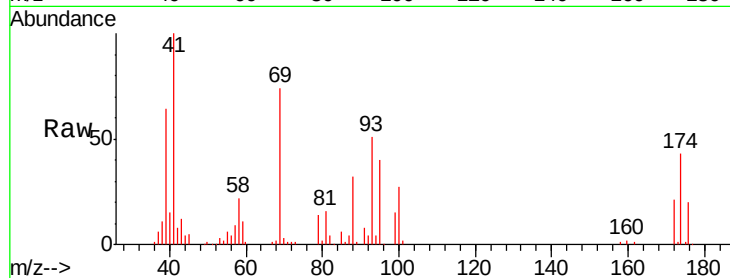
Tgt Ion: 88 Resp: 37433

Ion Ratio Lower Upper

88 100

43 37.5 31.1 46.7

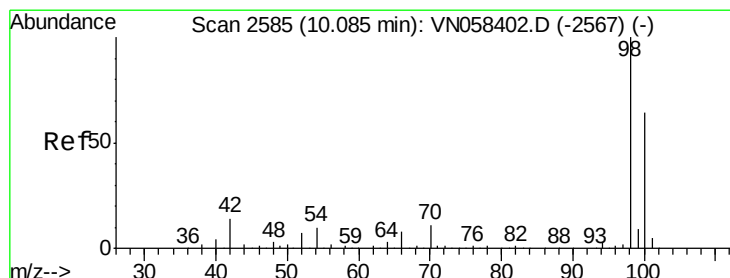
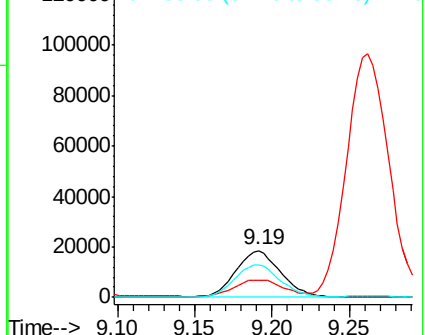
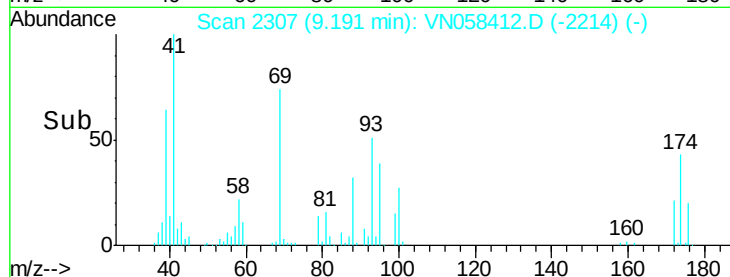
58 71.5 58.1 87.1



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 52.359 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058412.D

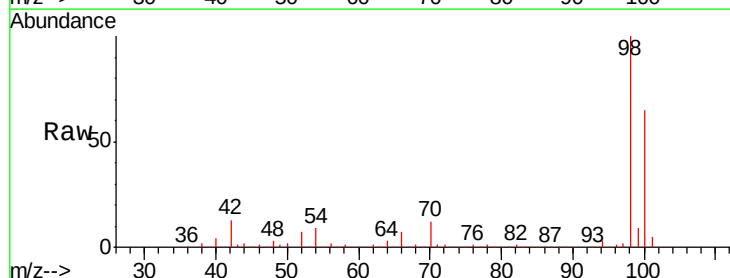
Acq: 27 Sep 2019 16:51

Tgt Ion: 98 Resp: 935381

Ion Ratio Lower Upper

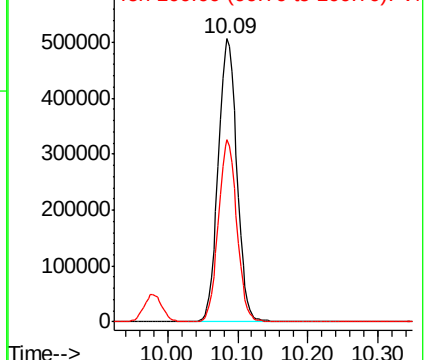
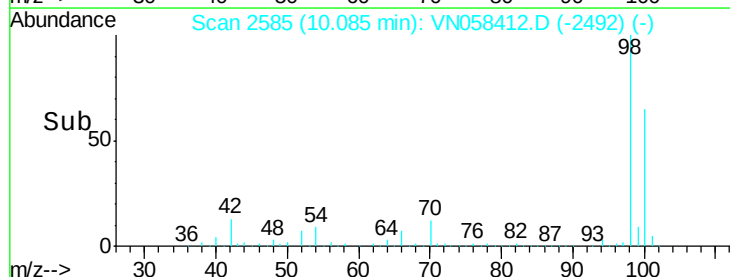
98 100

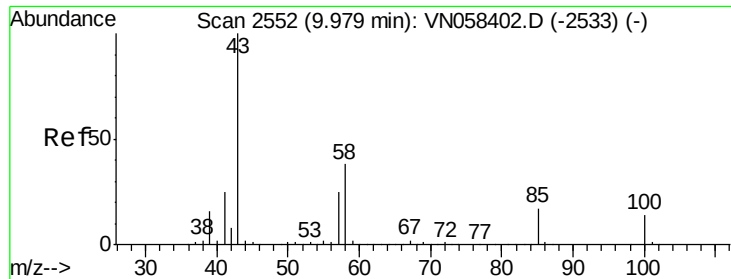
100 63.6 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 118.600 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

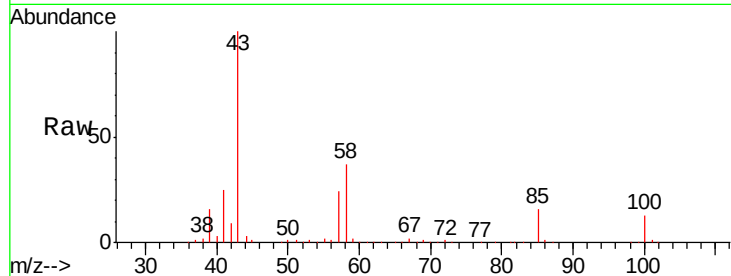
VN0927WBS01

Tgt Ion: 43 Resp: 669888

Ion Ratio Lower Upper

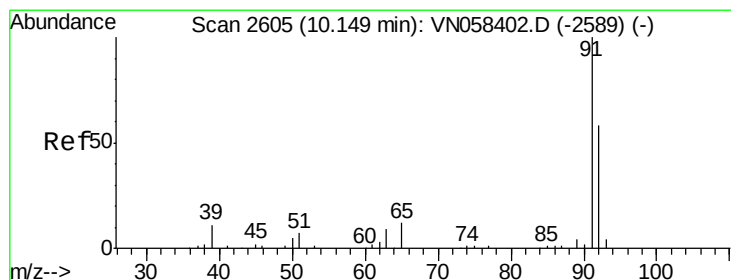
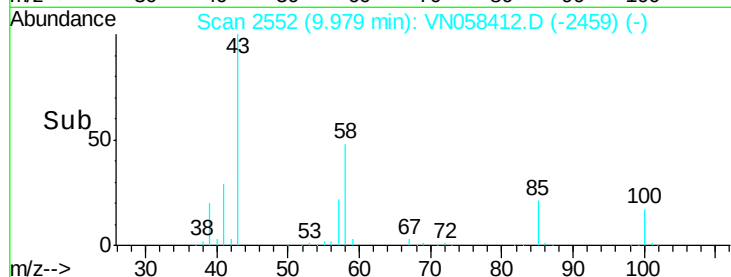
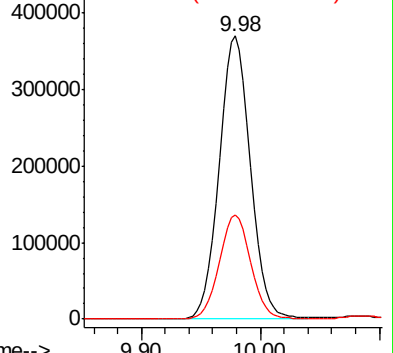
43 100

58 37.2 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 23.704 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058412.D

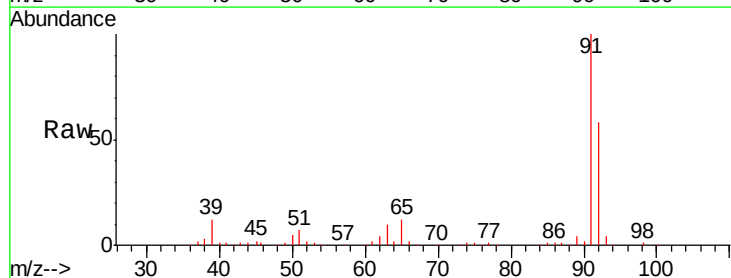
Acq: 27 Sep 2019 16:51

Tgt Ion: 92 Resp: 258270

Ion Ratio Lower Upper

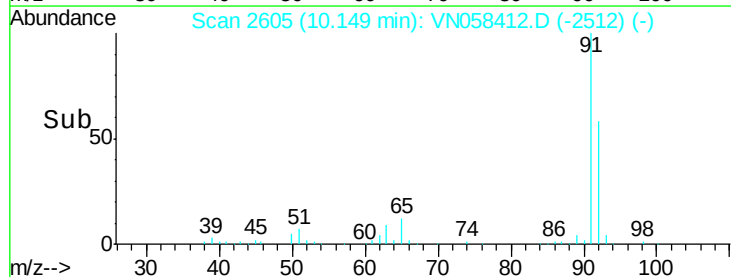
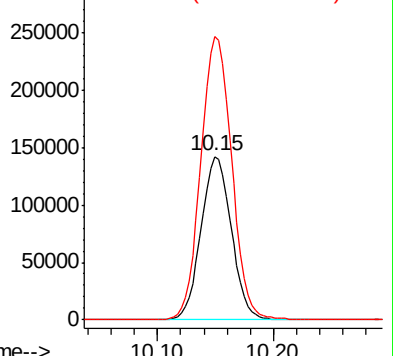
92 100

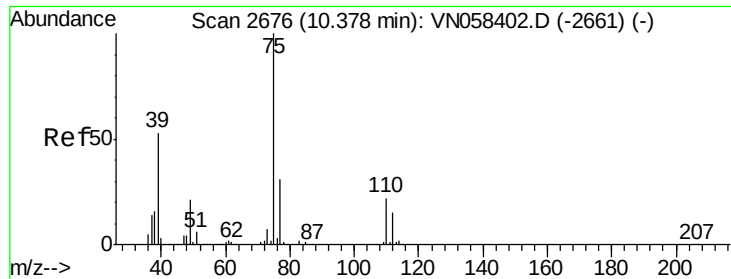
91 176.6 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 22.300 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

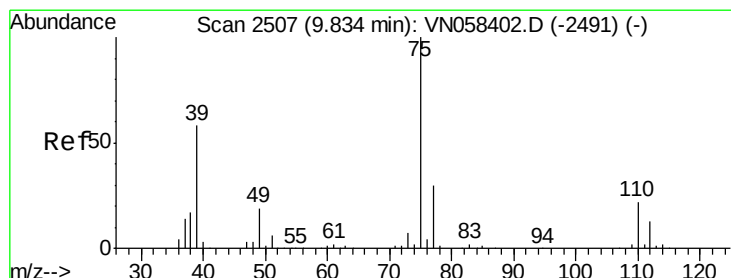
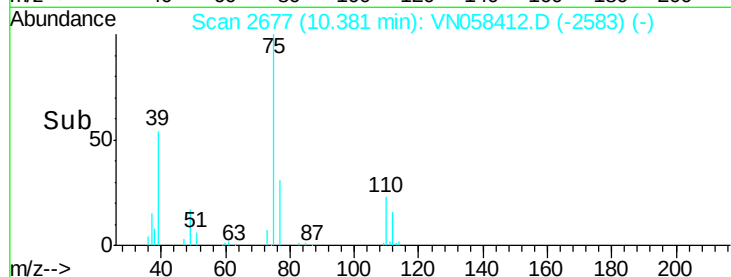
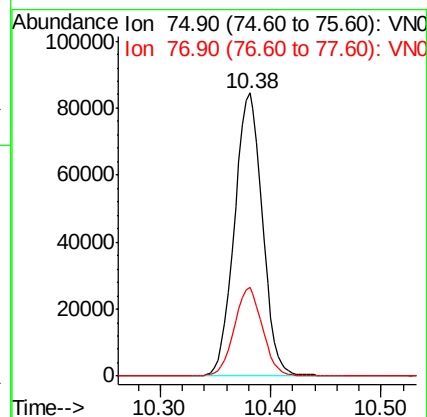
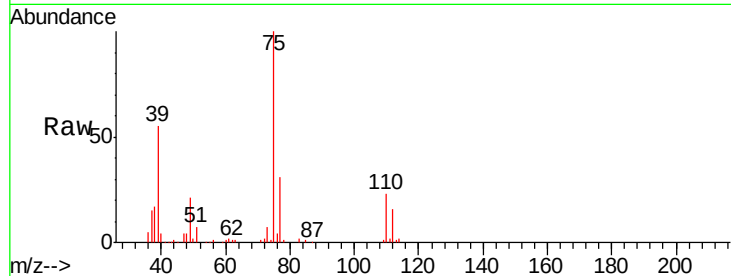
VN0927WBS01

Tgt Ion: 75 Resp: 148951

Ion Ratio Lower Upper

75 100

77 31.2 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 22.450 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

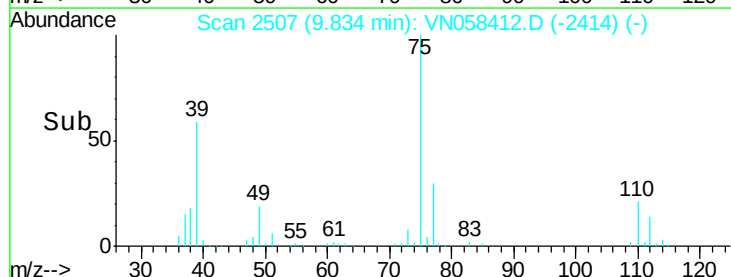
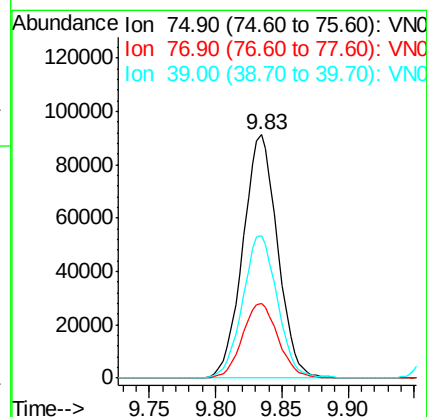
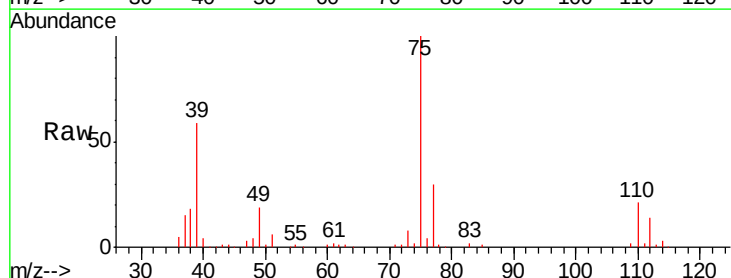
Tgt Ion: 75 Resp: 166005

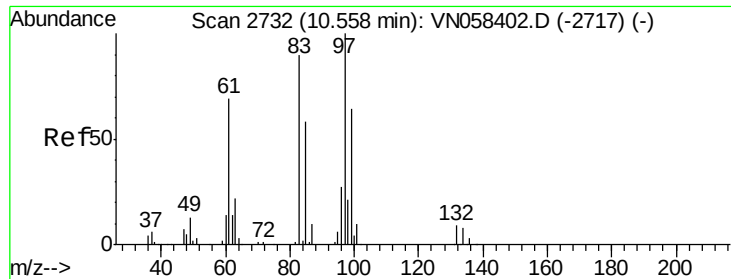
Ion Ratio Lower Upper

75 100

77 30.4 24.2 36.4

39 58.6 46.4 69.6





#55

1,1,2-Trichloroethane

Concen: 21.296 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

Tgt Ion: 97 Resp: 99507

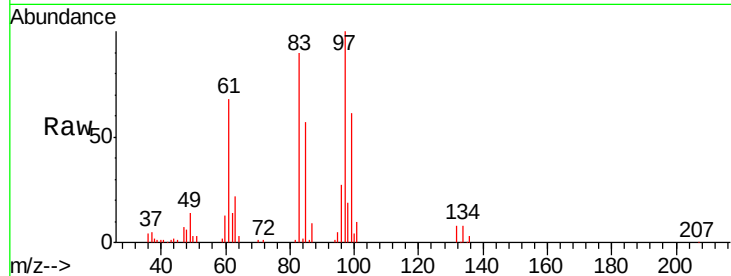
Ion Ratio Lower Upper

97 100

83 89.8 71.8 107.6

85 57.3 46.6 69.8

99 61.1 51.5 77.3

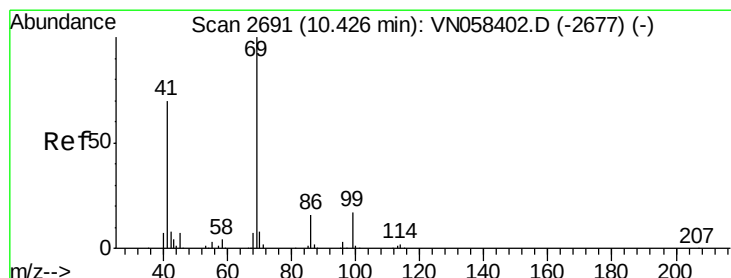
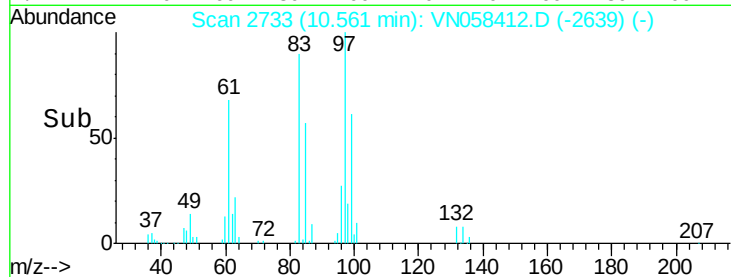
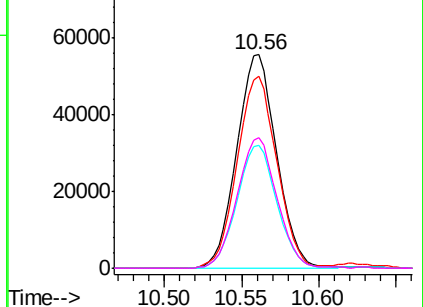


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 22.369 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

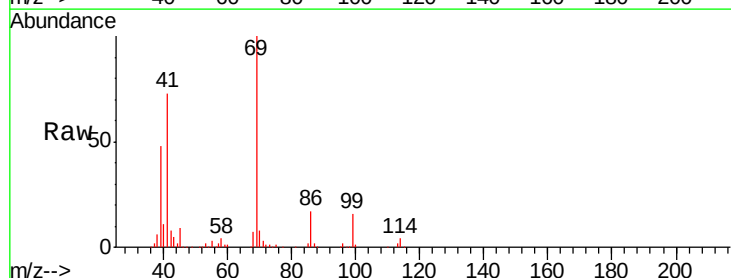
Tgt Ion: 69 Resp: 151856

Ion Ratio Lower Upper

69 100

41 71.3 56.3 84.5

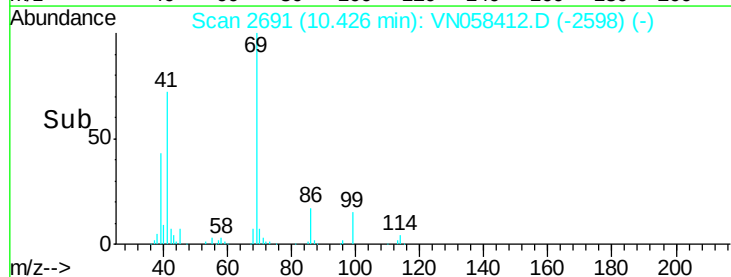
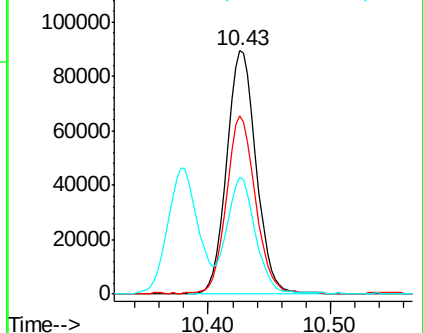
39 46.3 35.8 53.6

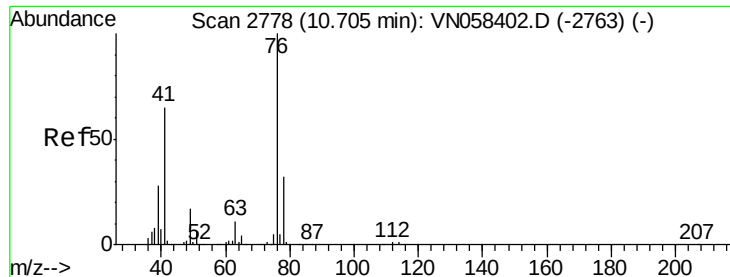


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

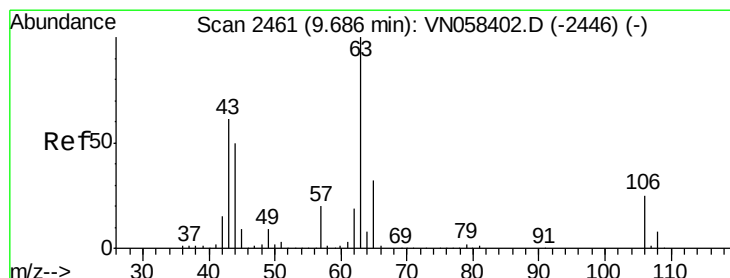
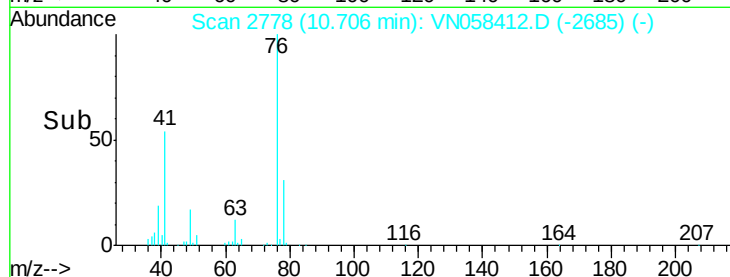
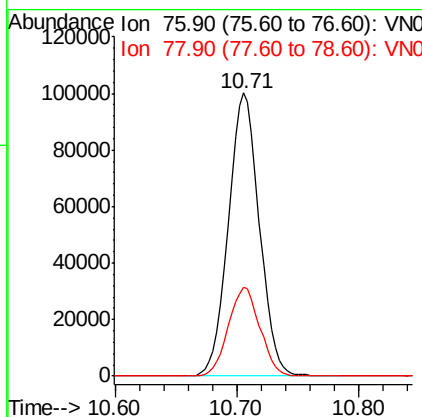
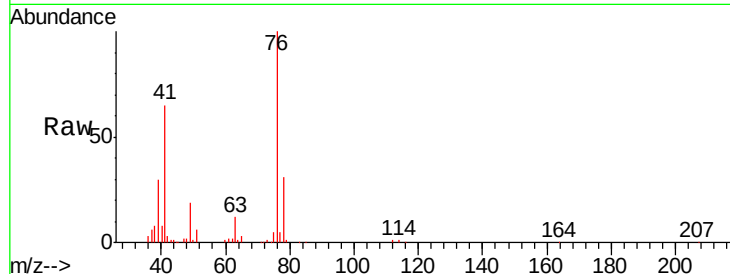




#57
 1,3-Dichloropropane
 Concen: 21.878 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

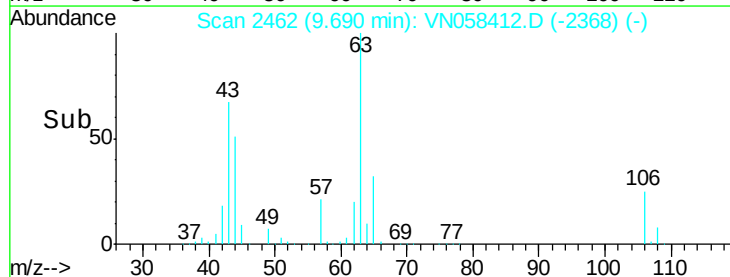
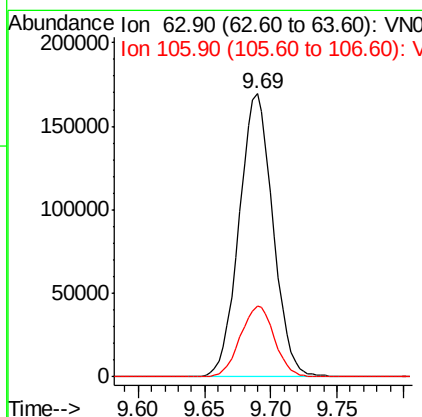
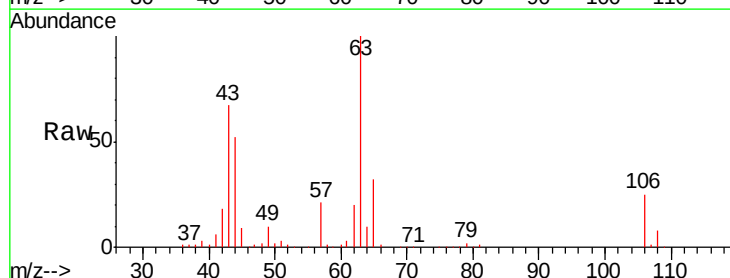
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

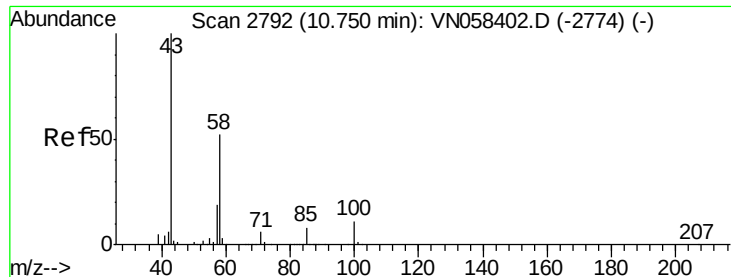
Tgt Ion: 76 Resp: 177152
 Ion Ratio Lower Upper
 76 100
 78 32.0 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.569 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 63 Resp: 300055
 Ion Ratio Lower Upper
 63 100
 106 25.3 20.3 30.5

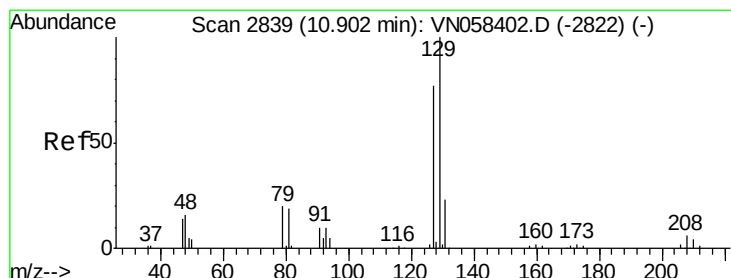
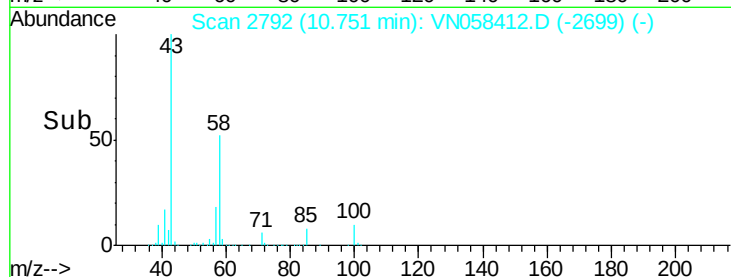
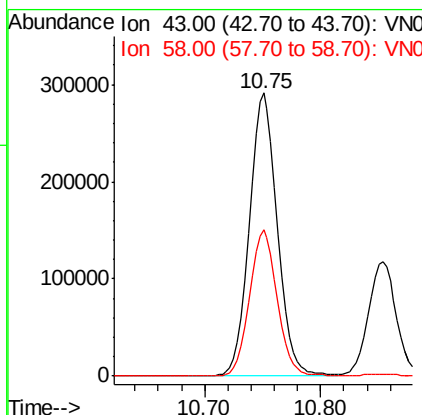
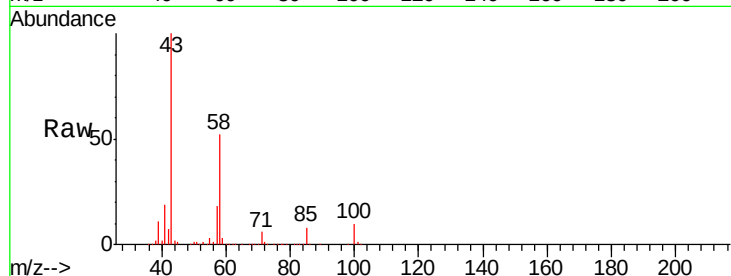




#59
2-Hexanone
Concen: 116.881 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

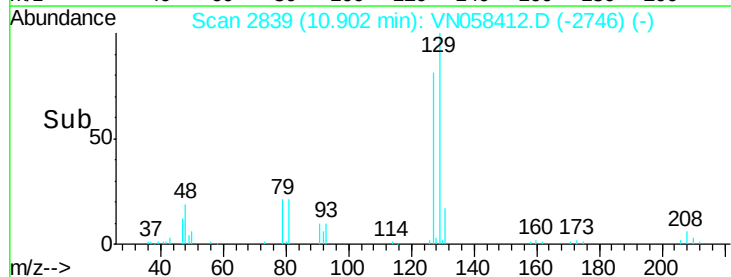
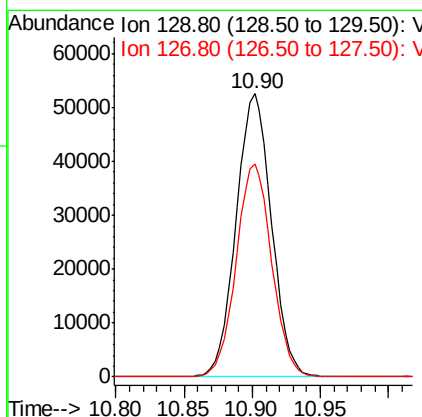
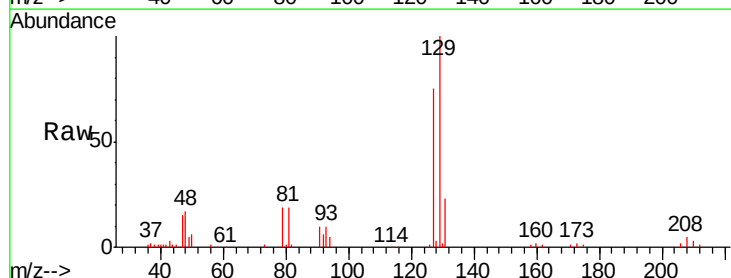
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

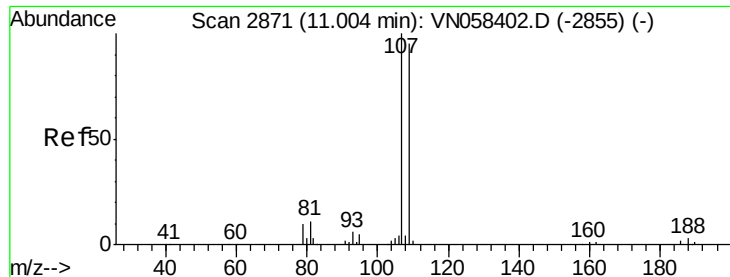
Tgt Ion: 43 Resp: 489096
Ion Ratio Lower Upper
43 100
58 51.4 25.8 77.3



#60
Dibromochloromethane
Concen: 21.041 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 129 Resp: 94637
Ion Ratio Lower Upper
129 100
127 75.6 38.3 114.8

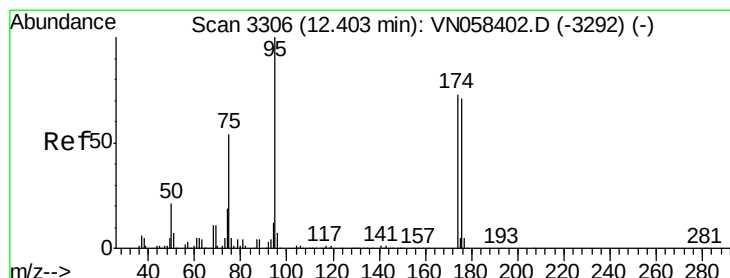
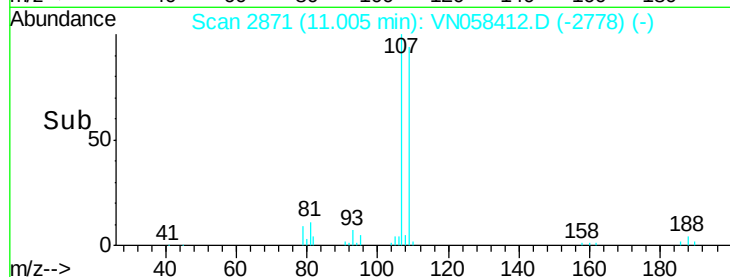
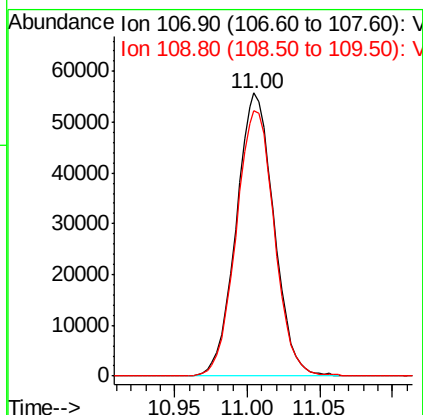
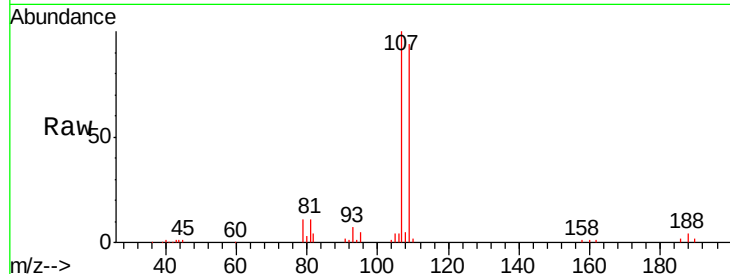




#61
 1,2-Dibromoethane
 Concen: 22.726 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

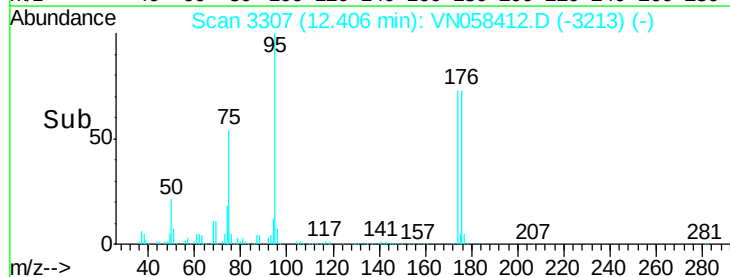
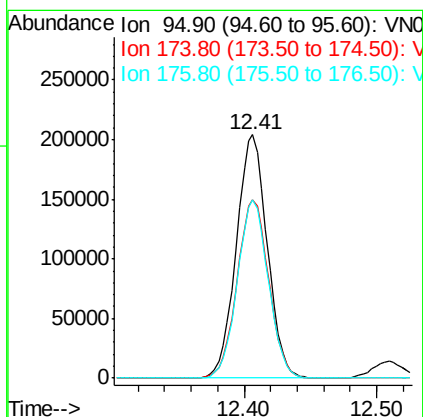
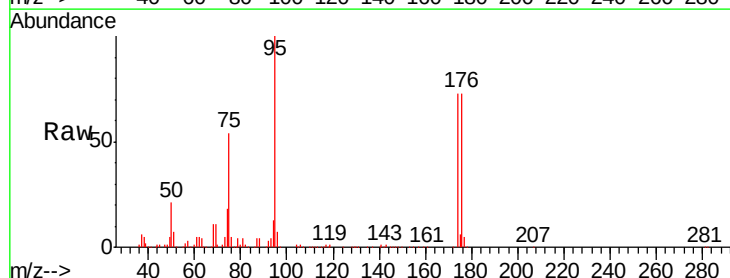
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

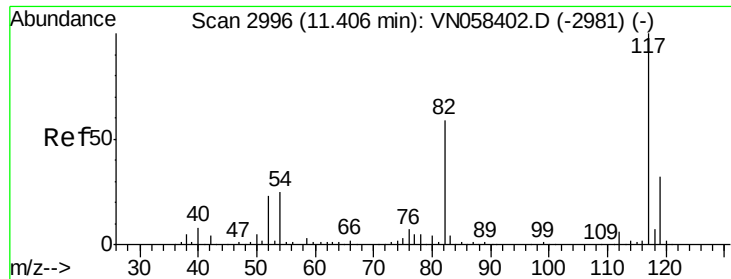
Tgt Ion: 107 Resp: 100420
 Ion Ratio Lower Upper
 107 100
 109 95.2 75.3 112.9



#62
 4-Bromofluorobenzene
 Concen: 49.858 ug/l
 RT: 12.41 min Scan# 3307
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 95 Resp: 329905
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 150.6
 176 73.6 0.0 146.2

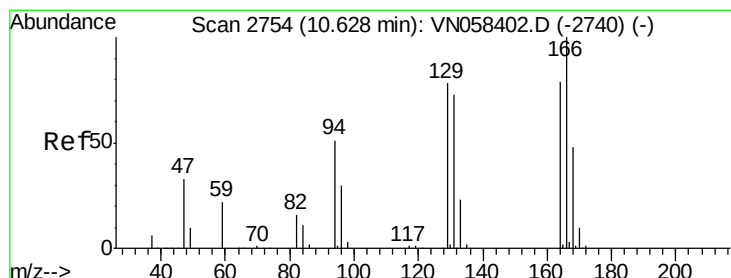
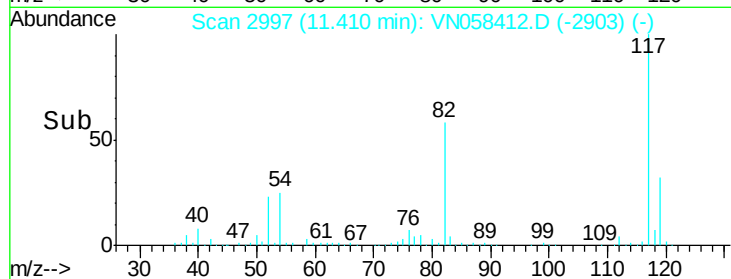
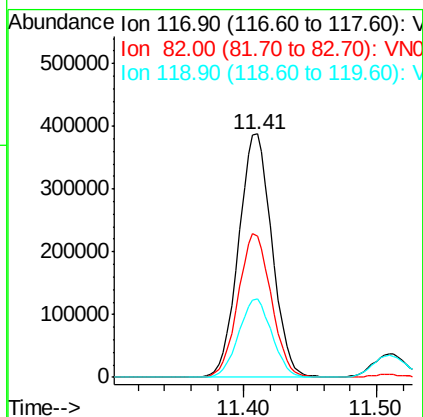
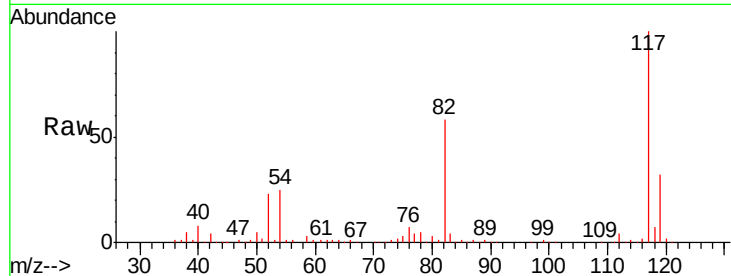




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

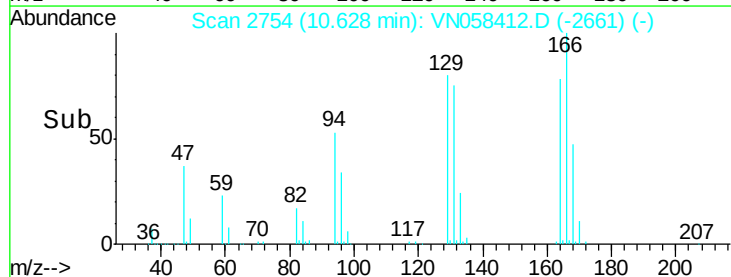
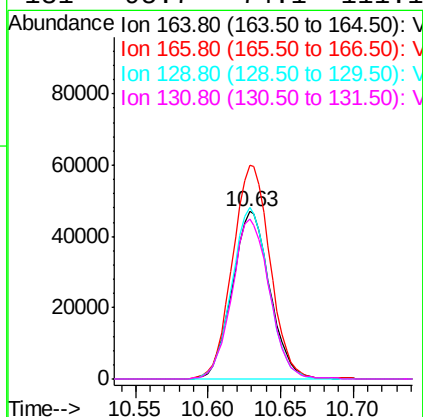
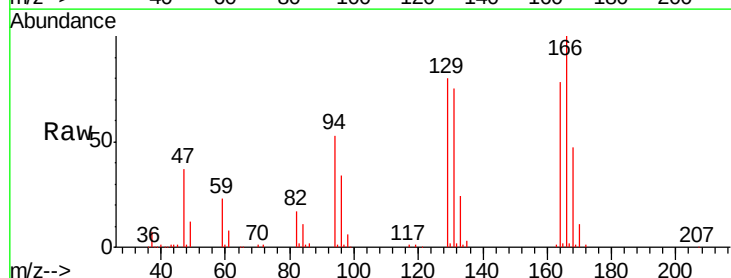
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

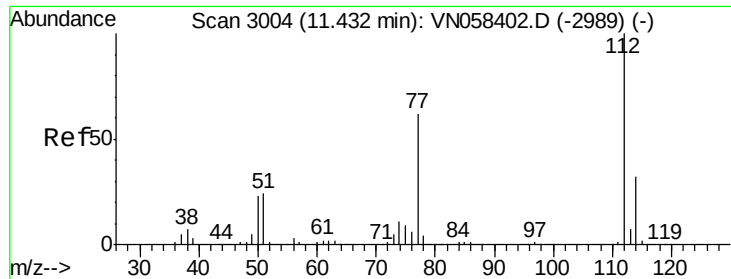
Tgt Ion:117 Resp: 677496
Ion Ratio Lower Upper
117 100
82 58.2 47.4 71.0
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 24.177 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion:164 Resp: 84803
Ion Ratio Lower Upper
164 100
166 127.6 101.1 151.7
129 102.1 79.2 118.8
131 95.7 74.1 111.1

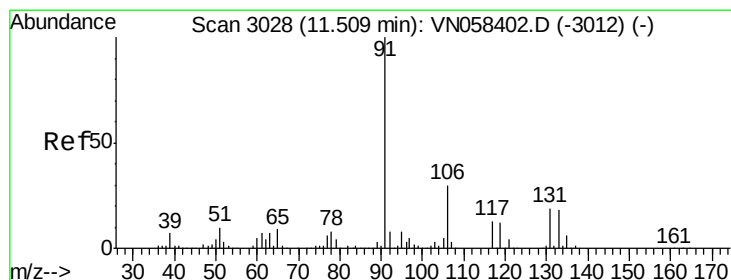
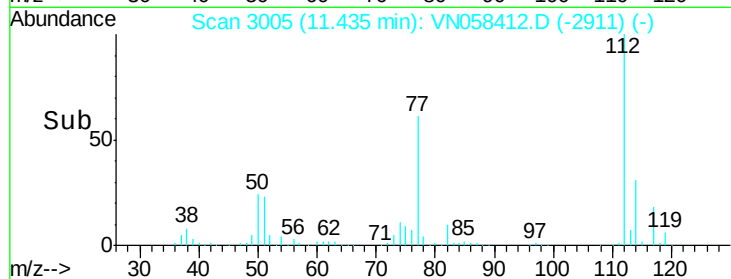
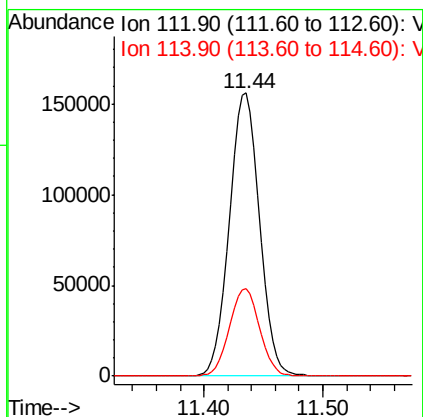
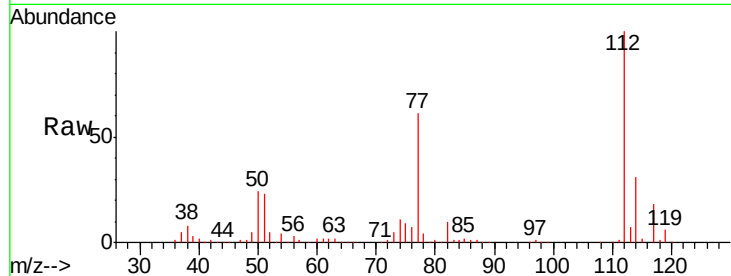




#65
Chlorobenzene
Concen: 22.360 ug/l
RT: 11.44 min Scan# 3005
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

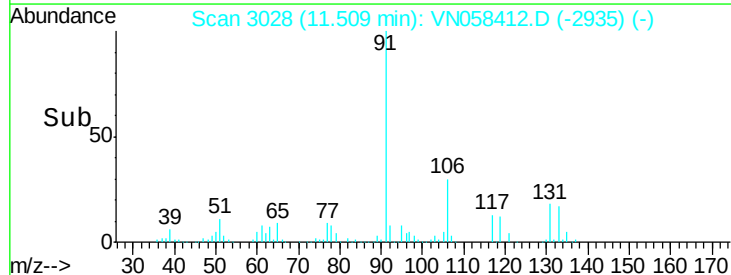
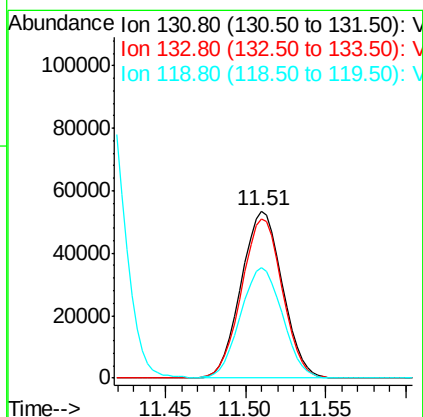
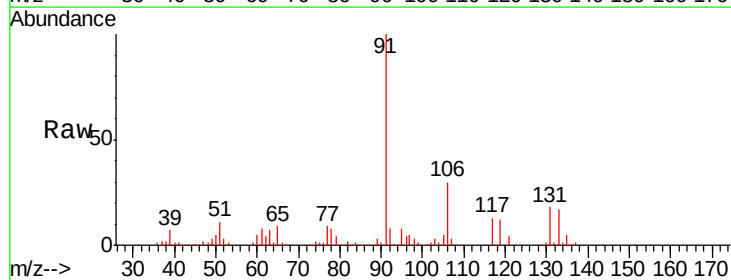
Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

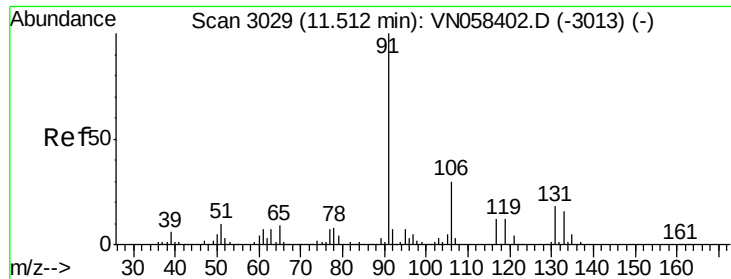
Tgt Ion:112 Resp: 274554
Ion Ratio Lower Upper
112 100
114 31.0 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 21.611 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion:131 Resp: 94737
Ion Ratio Lower Upper
131 100
133 94.1 47.8 143.3
119 67.1 33.0 99.0

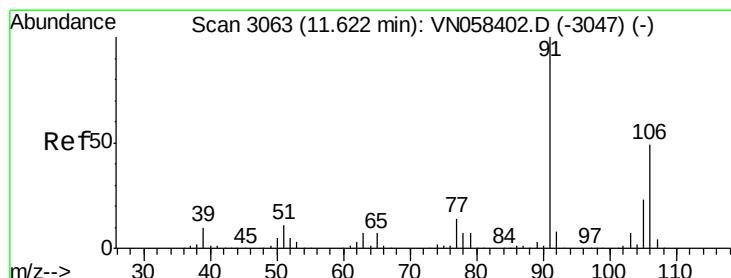
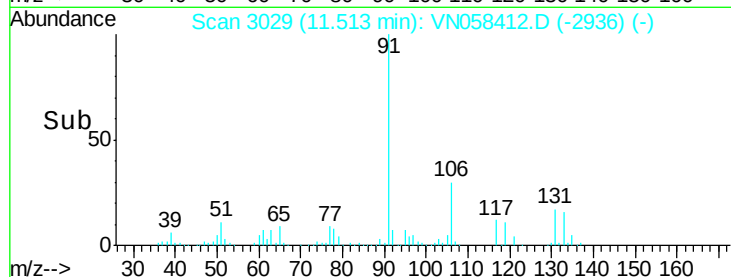
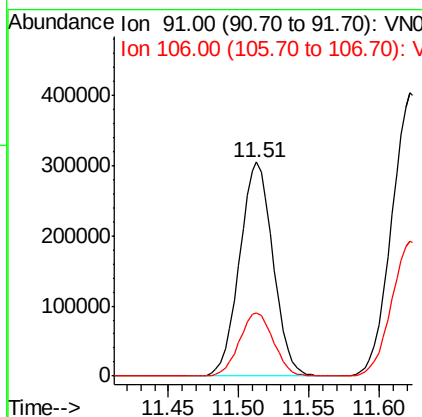
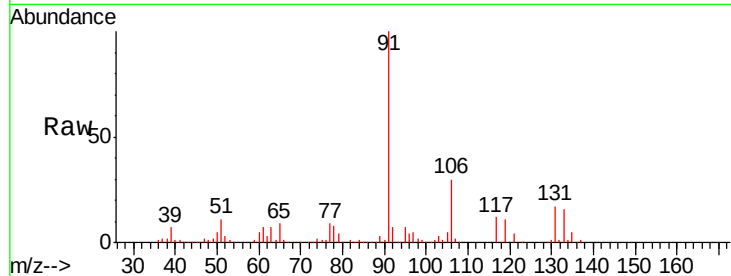




#67
Ethyl Benzene
Concen: 23.904 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

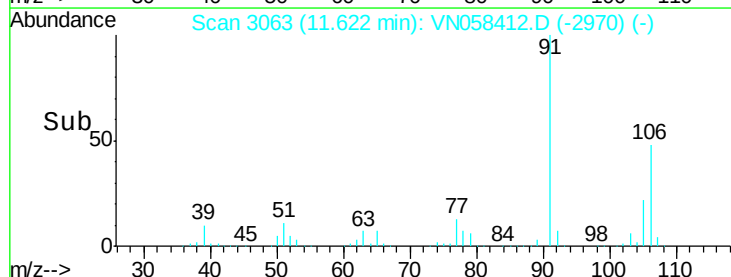
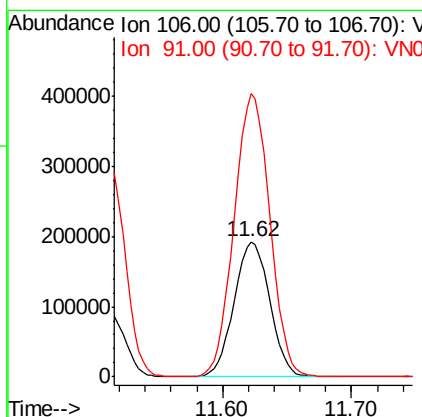
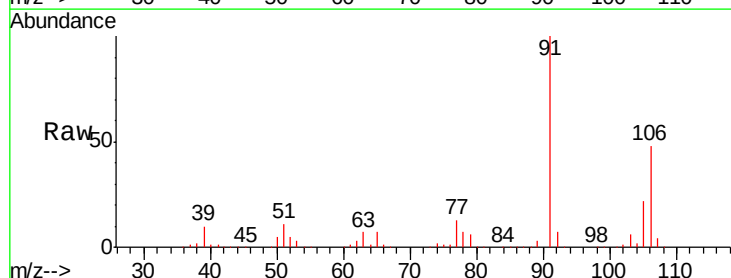
Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

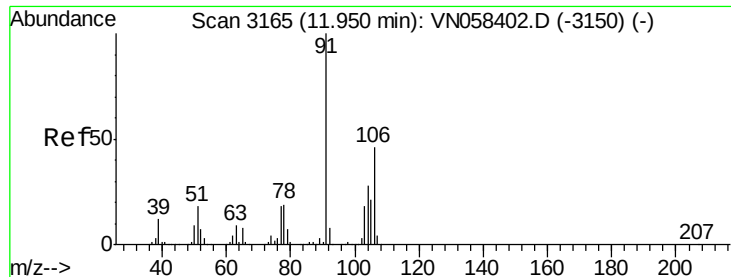
Tgt Ion: 91 Resp: 507102
Ion Ratio Lower Upper
91 100
106 29.9 24.3 36.5



#68
m/p-Xylenes
Concen: 46.120 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion: 106 Resp: 368970
Ion Ratio Lower Upper
106 100
91 210.1 165.0 247.4

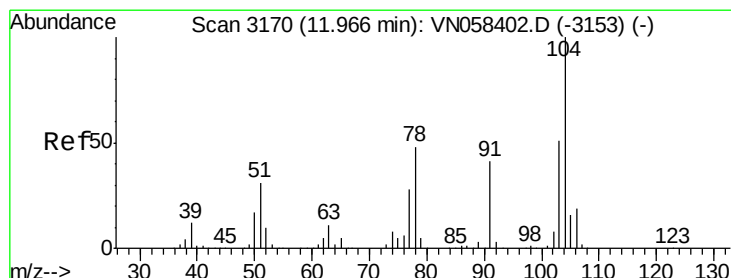
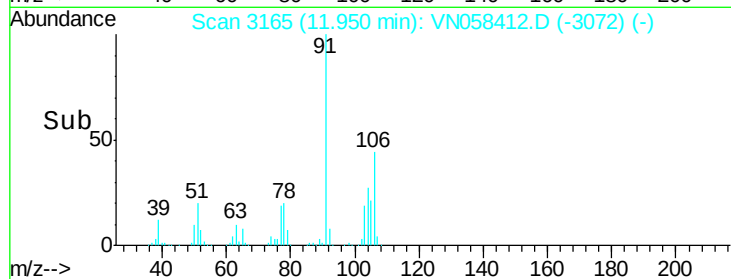
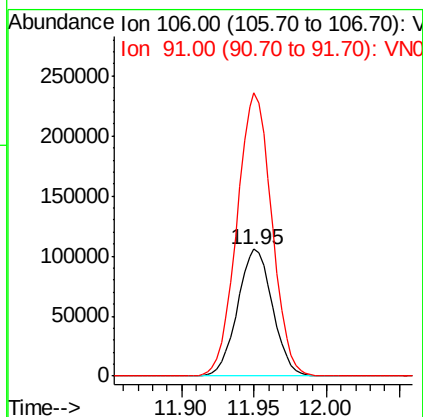
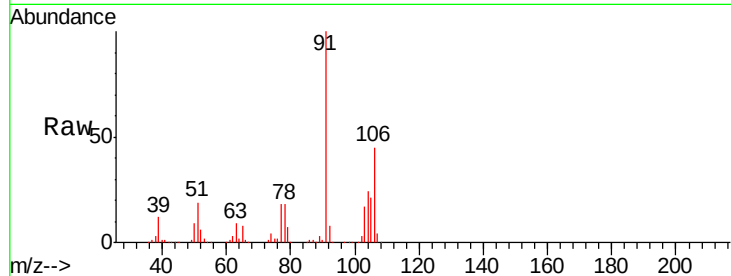




#69
o-Xylene
Concen: 22.575 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

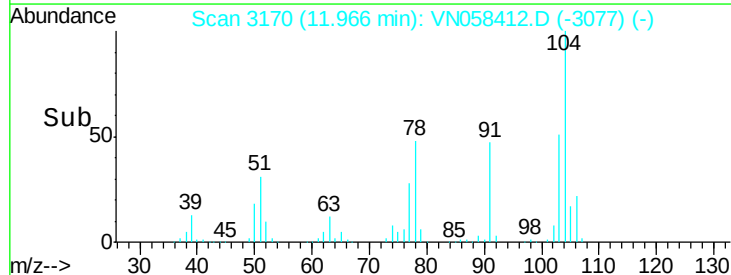
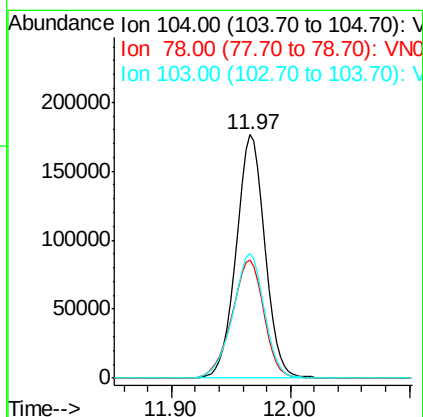
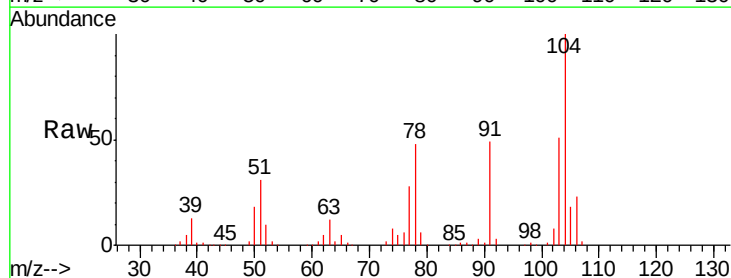
Instrument :
MSVOA_N
ClientSampled :
VN0927WBS01

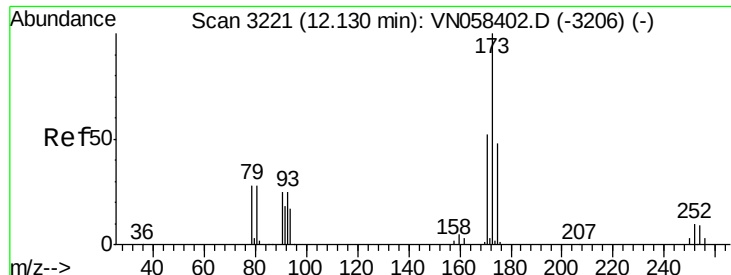
Tgt Ion:106 Resp: 176669
Ion Ratio Lower Upper
106 100
91 222.9 109.1 327.4



#70
Styrene
Concen: 22.141 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion:104 Resp: 295300
Ion Ratio Lower Upper
104 100
78 53.9 42.8 64.2
103 56.0 43.7 65.5





#71

Bromoform

Concen: 21.437 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

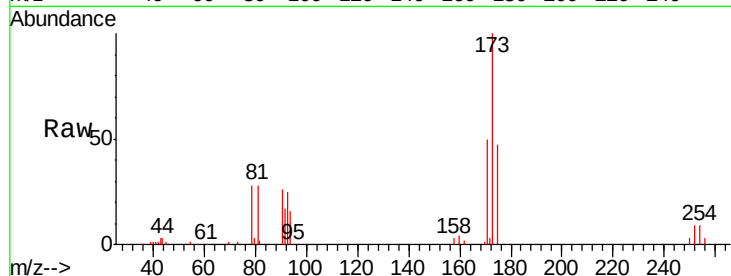
Tgt Ion:173 Resp: 59165

Ion Ratio Lower Upper

173 100

175 47.0 24.3 73.0

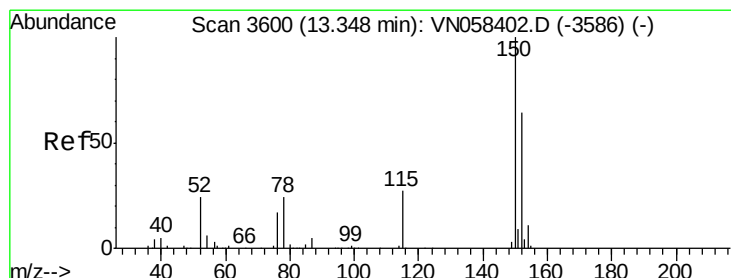
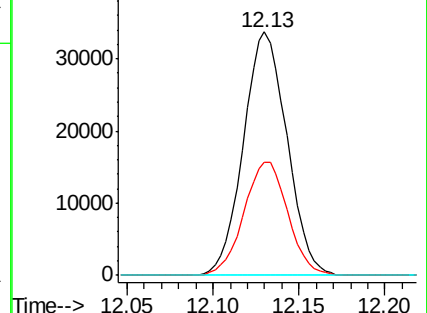
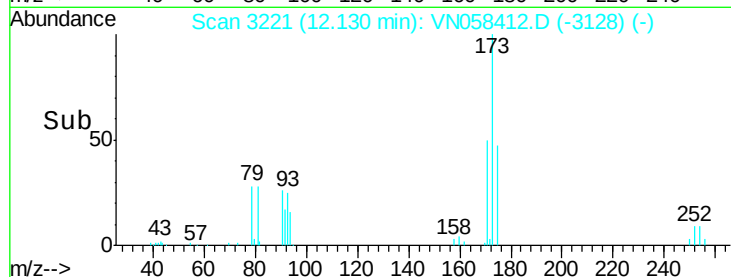
254 0.0 0.1 0.1#



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

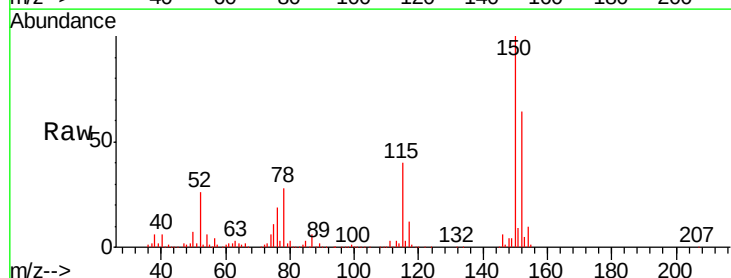
Tgt Ion:152 Resp: 311374

Ion Ratio Lower Upper

152 100

115 61.4 30.0 90.0

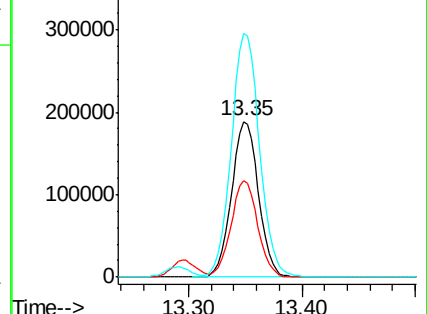
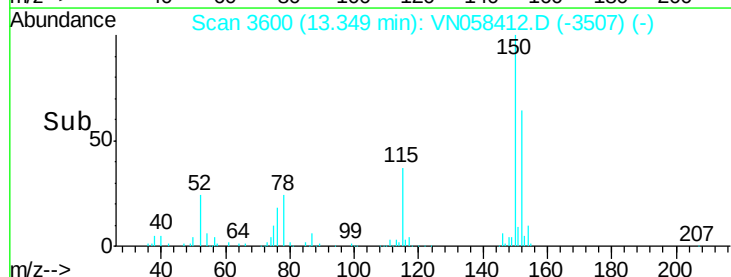
150 164.2 0.0 348.2

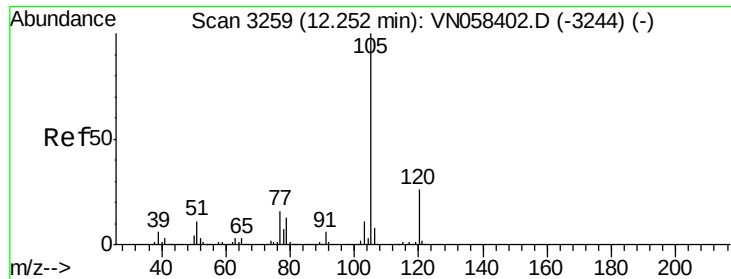


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 24.197 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

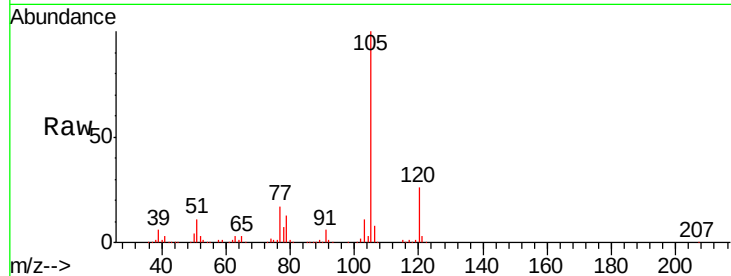
VN0927WBS01

Tgt Ion: 105 Resp: 487584

Ion Ratio Lower Upper

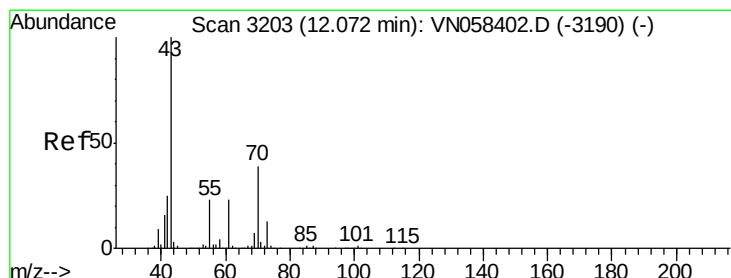
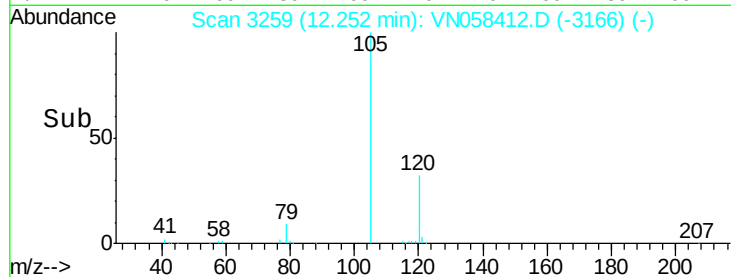
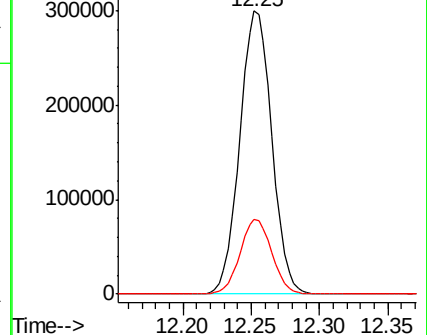
105 100

120 26.2 12.8 38.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.315 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Tgt Ion: 43 Resp: 194233

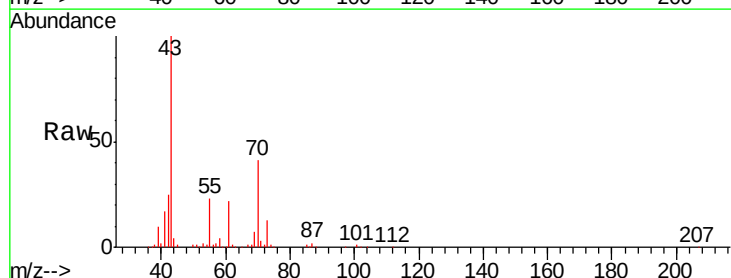
Ion Ratio Lower Upper

43 100

70 40.1 31.4 47.2

55 22.8 18.2 27.4

61 22.4 18.3 27.5

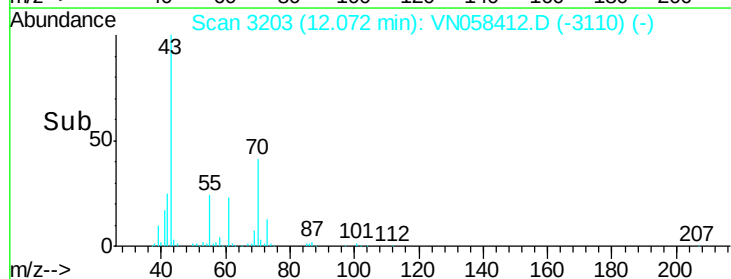
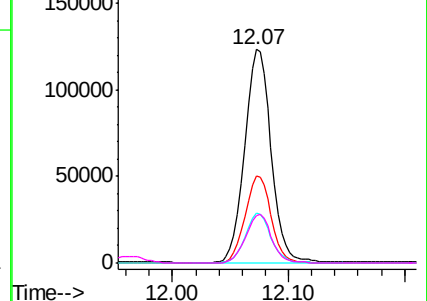


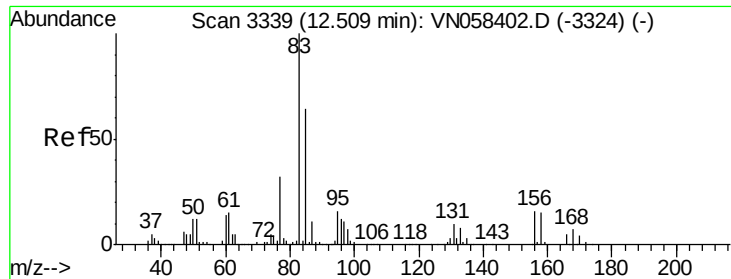
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.779 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampled :

VN0927WBS01

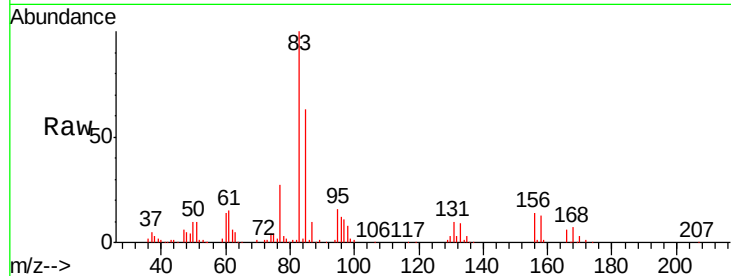
Tgt Ion: 83 Resp: 143213

Ion Ratio Lower Upper

83 100

131 9.7 4.9 14.7

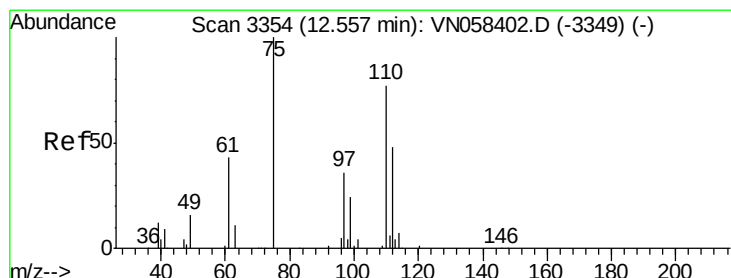
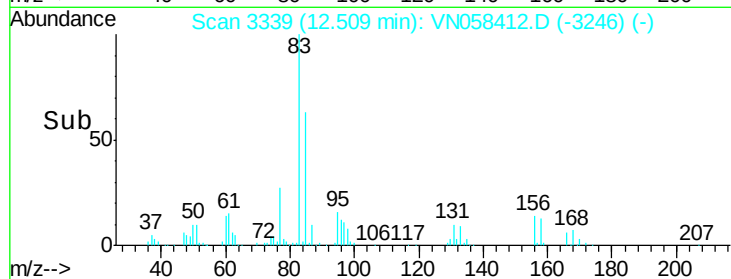
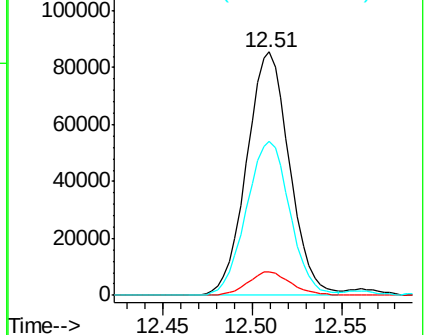
85 64.5 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 31.729 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058412.D

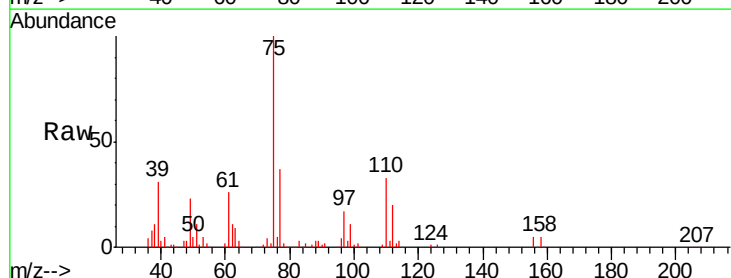
Acq: 27 Sep 2019 16:51

Tgt Ion: 75 Resp: 179342

Ion Ratio Lower Upper

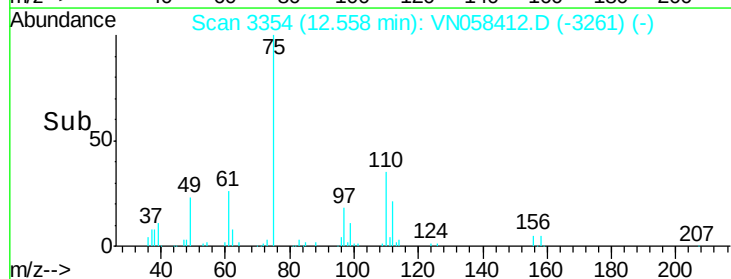
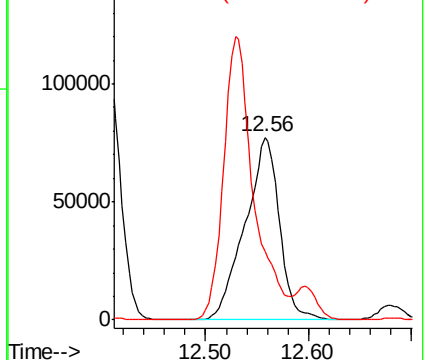
75 100

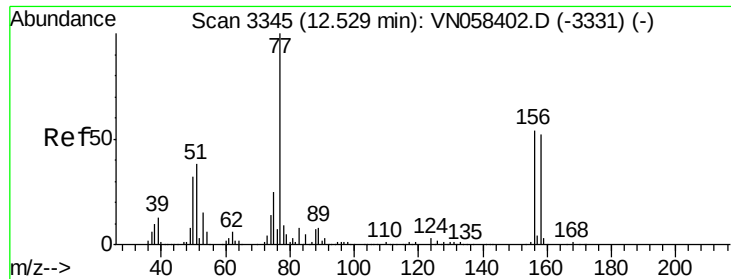
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.876 ug/l

RT: 12.53 min Scan# 3346

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

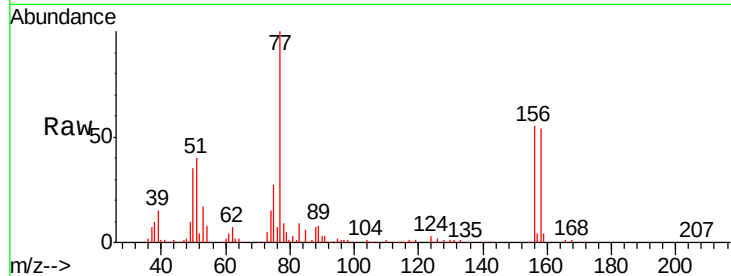
Tgt Ion:156 Resp: 109909

Ion Ratio Lower Upper

156 100

77 223.3 110.0 330.0

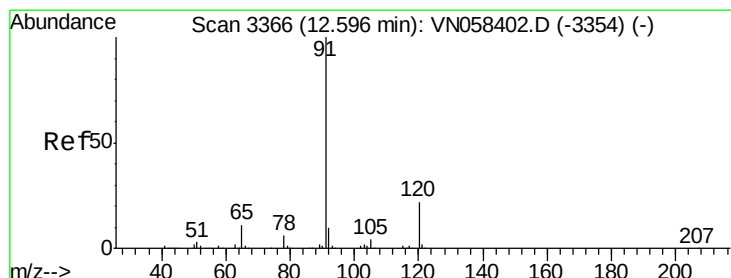
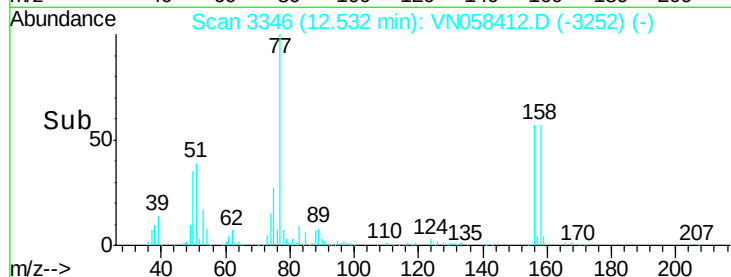
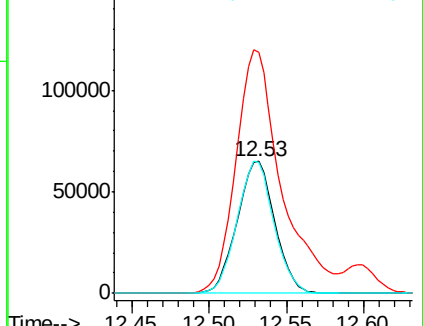
158 98.0 47.9 143.8



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: 24.489 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058412.D

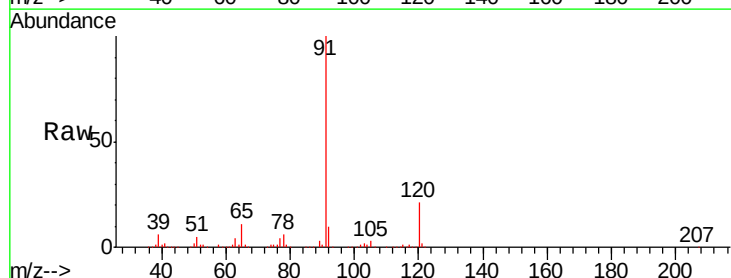
Acq: 27 Sep 2019 16:51

Tgt Ion: 91 Resp: 561118

Ion Ratio Lower Upper

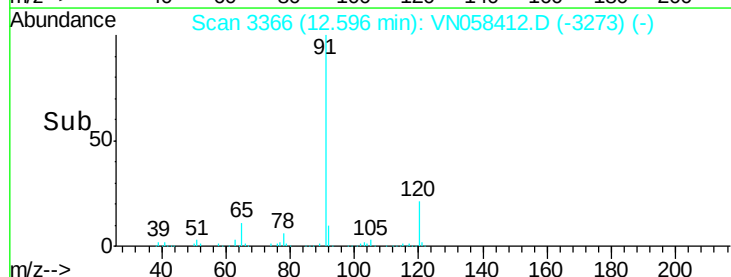
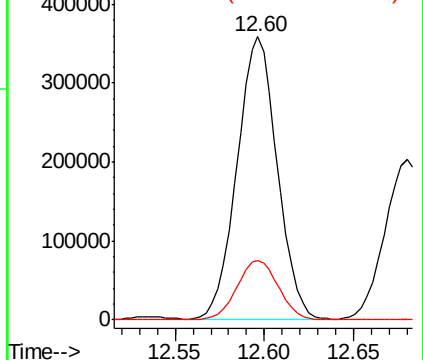
91 100

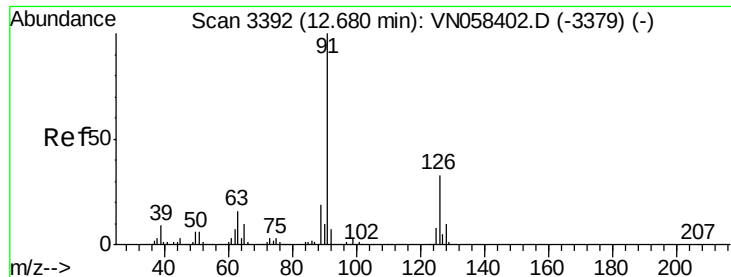
120 21.8 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.376 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

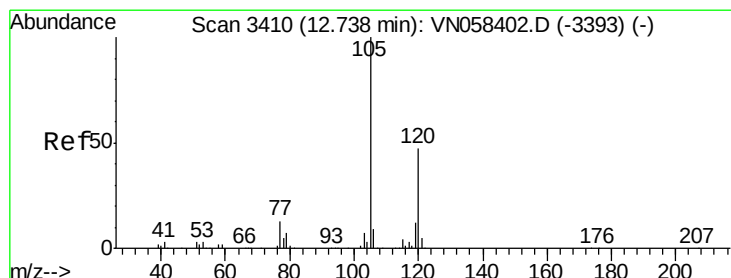
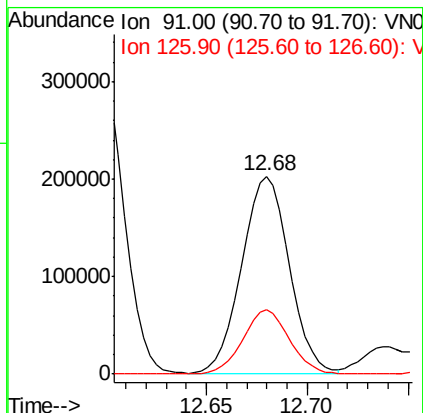
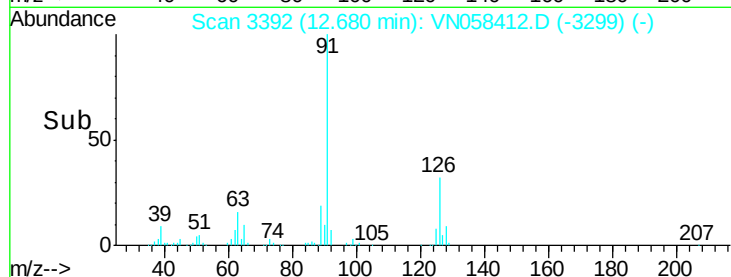
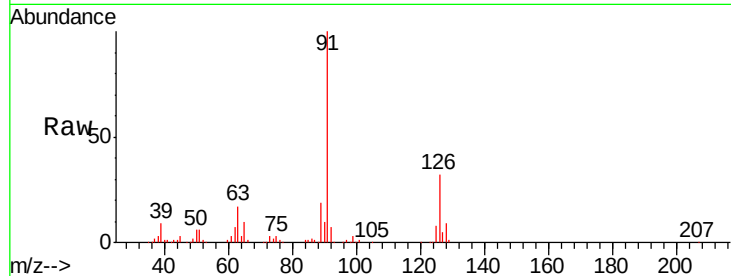
VN0927WBS01

Tgt Ion: 91 Resp: 332912

Ion Ratio Lower Upper

91 100

126 32.2 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 24.085 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058412.D

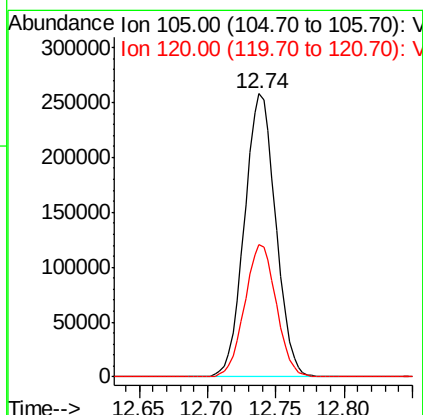
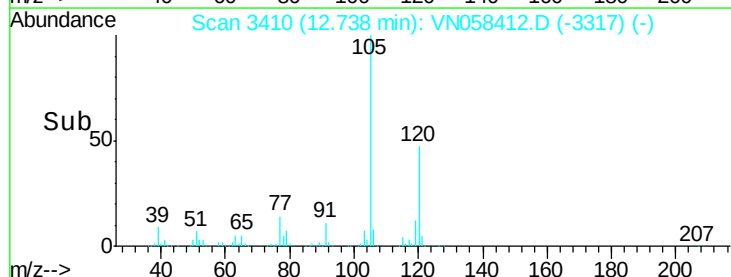
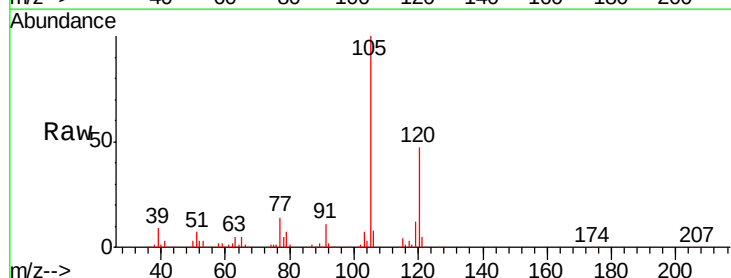
Acq: 27 Sep 2019 16:51

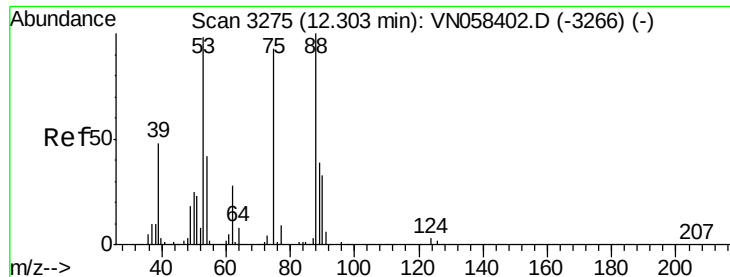
Tgt Ion: 105 Resp: 409060

Ion Ratio Lower Upper

105 100

120 47.3 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 20.729 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

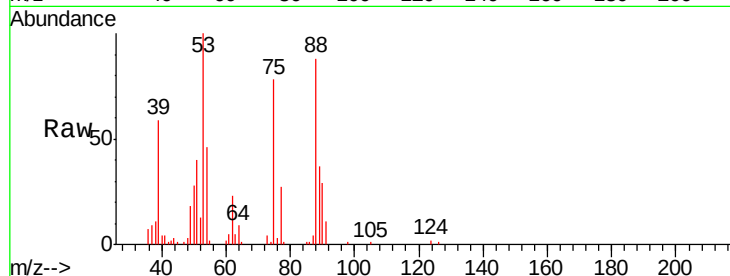
Tgt Ion: 75 Resp: 36039

Ion Ratio Lower Upper

75 100

53 122.0 85.4 128.0

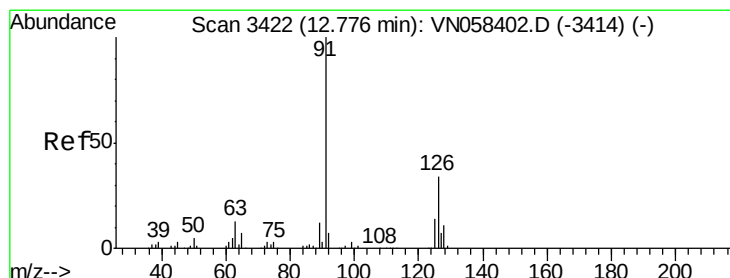
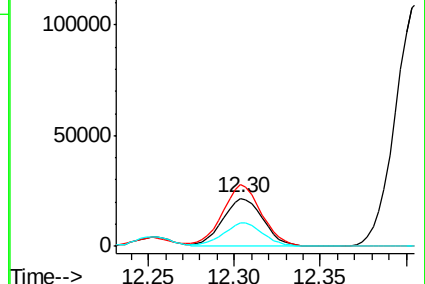
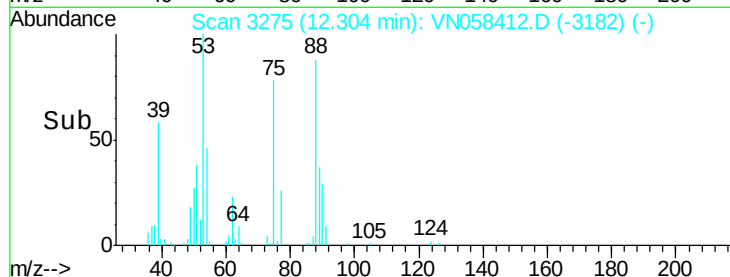
89 47.9 35.0 52.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 22.535 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058412.D

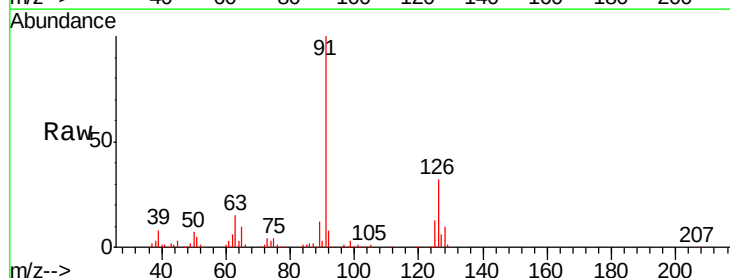
Acq: 27 Sep 2019 16:51

Tgt Ion: 91 Resp: 335593

Ion Ratio Lower Upper

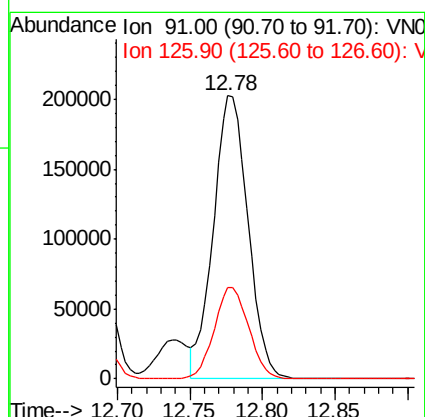
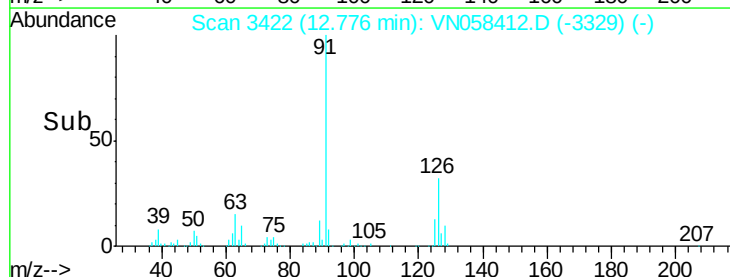
91 100

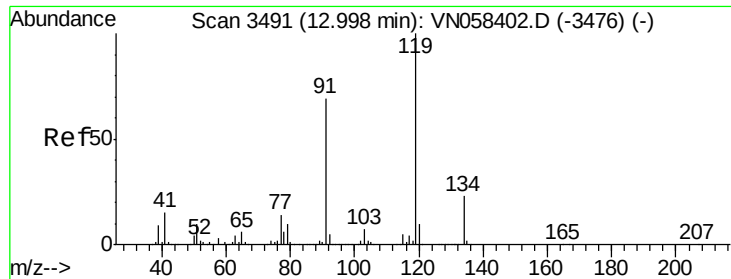
126 32.4 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

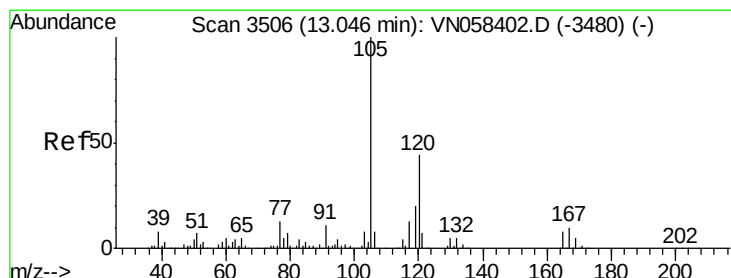
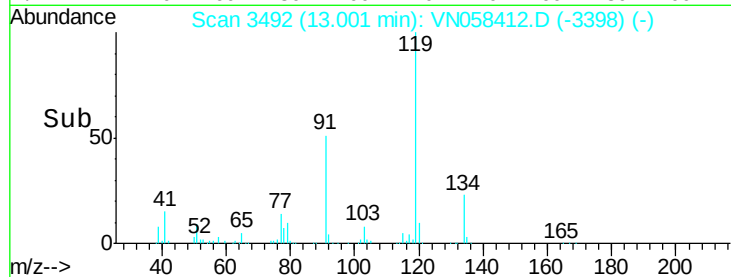
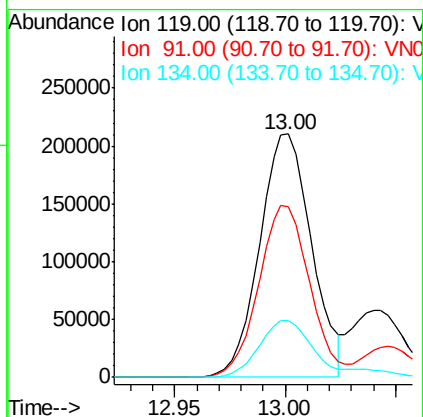
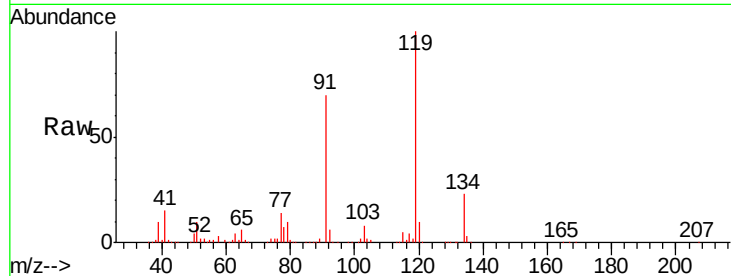




#83
 tert-Butylbenzene
 Concen: 22.859 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

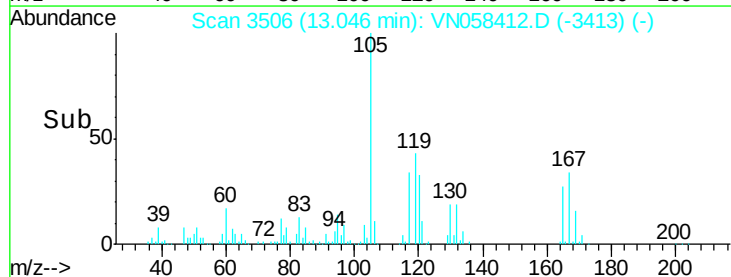
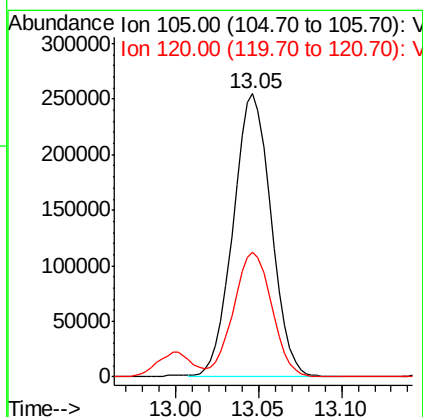
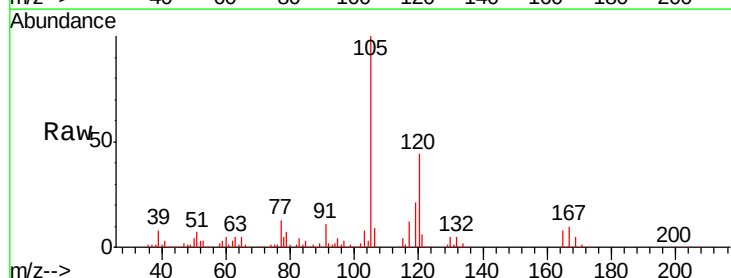
Instrument :
 MSVOA_N
 ClientSampled :
 VN0927WBS01

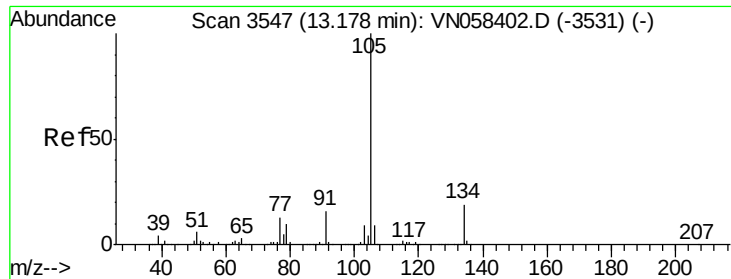
Tgt Ion:119 Resp: 342896
 Ion Ratio Lower Upper
 119 100
 91 69.1 34.2 102.6
 134 23.7 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 23.905 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion:105 Resp: 404269
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.7 65.1





#85

sec-Butylbenzene

Concen: 23.519 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

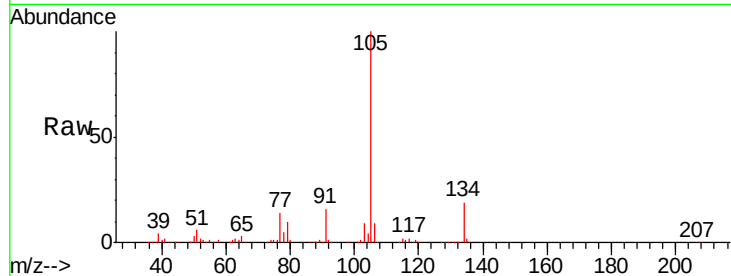
VN0927WBS01

Tgt Ion:105 Resp: 461328

Ion Ratio Lower Upper

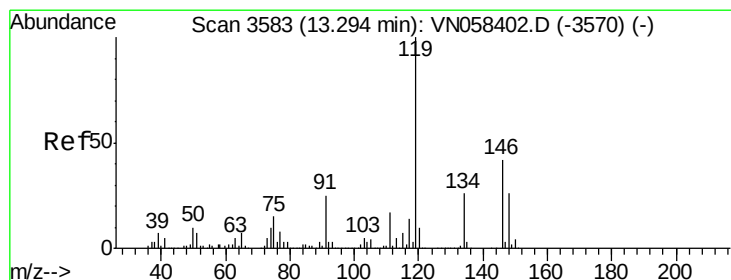
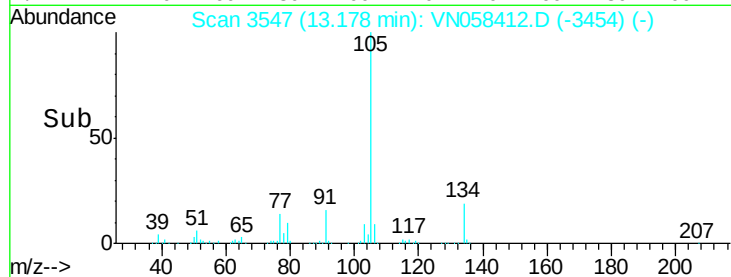
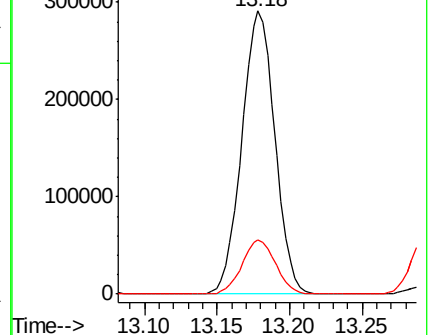
105 100

134 19.4 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 23.599 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

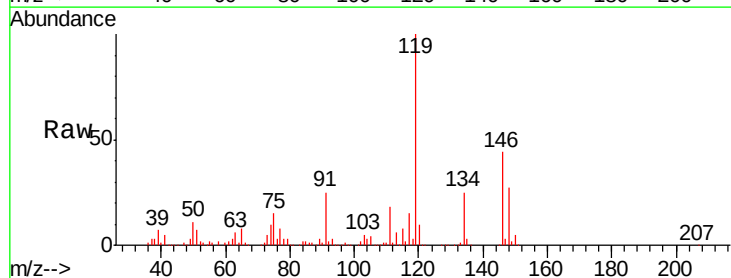
Tgt Ion:119 Resp: 410622

Ion Ratio Lower Upper

119 100

134 25.3 13.0 39.0

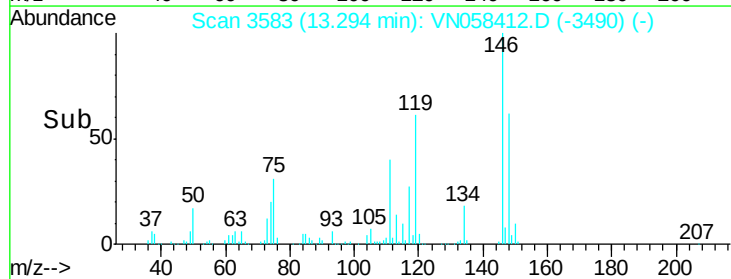
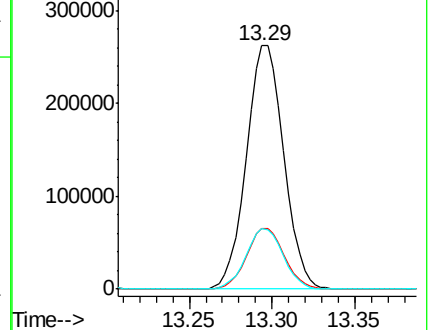
91 24.6 12.4 37.0

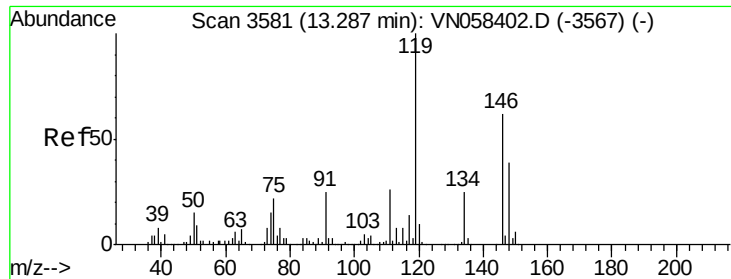


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

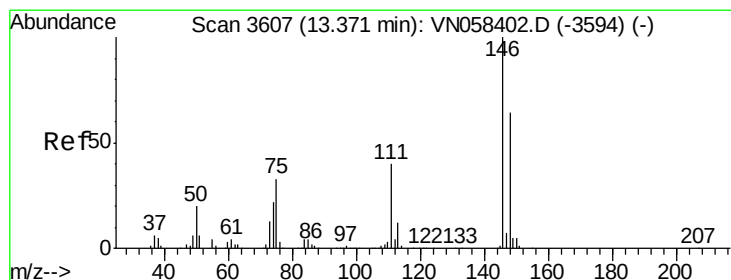
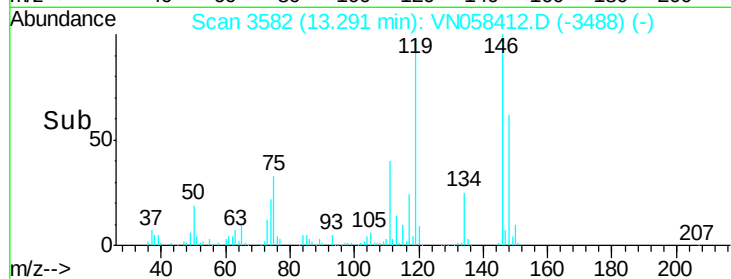
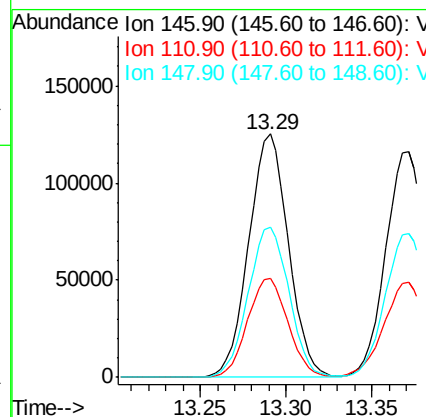
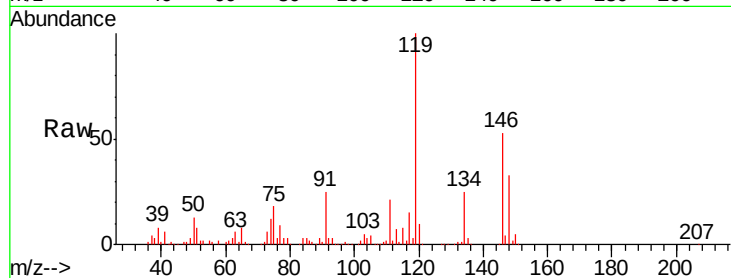




#87
 1,3-Dichlorobenzene
 Concen: 22.054 ug/l
 RT: 13.29 min Scan# 3582
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

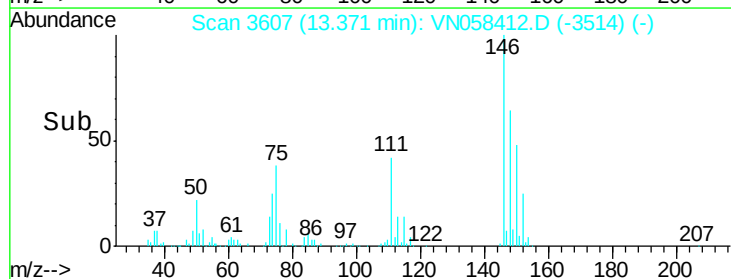
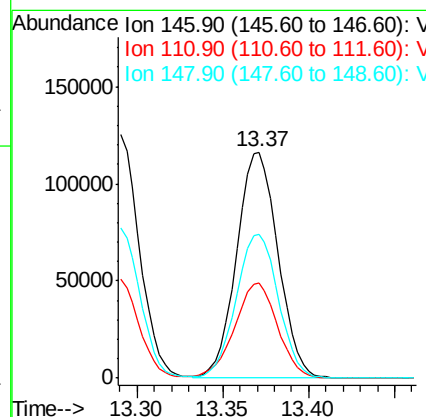
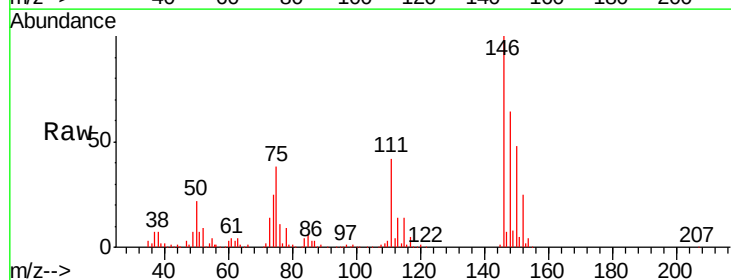
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

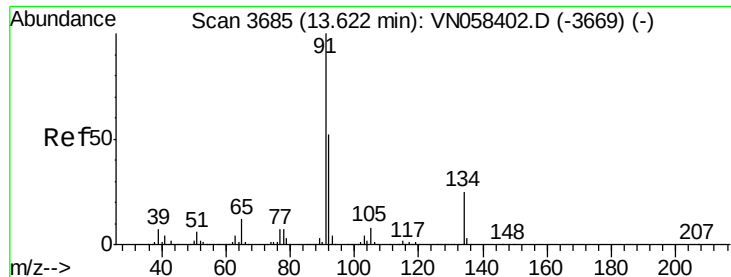
Tgt Ion:146 Resp: 200940
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.4
 148 63.7 31.4 94.3



#88
 1,4-Dichlorobenzene
 Concen: 20.945 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion:146 Resp: 194268
 Ion Ratio Lower Upper
 146 100
 111 44.1 20.5 61.6
 148 65.4 31.5 94.5





#89

n-Butylbenzene

Concen: 21.939 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058412.D

Acq: 27 Sep 2019 16:51

Instrument :

MSVOA_N

ClientSampleId :

VN0927WBS01

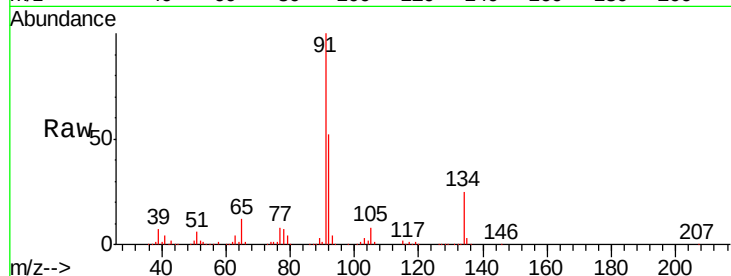
Tgt Ion: 91 Resp: 356912

Ion Ratio Lower Upper

91 100

92 51.4 25.7 77.1

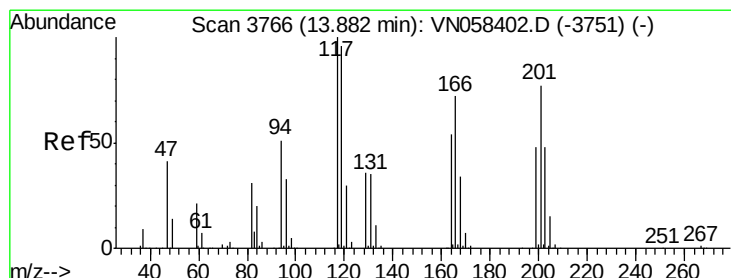
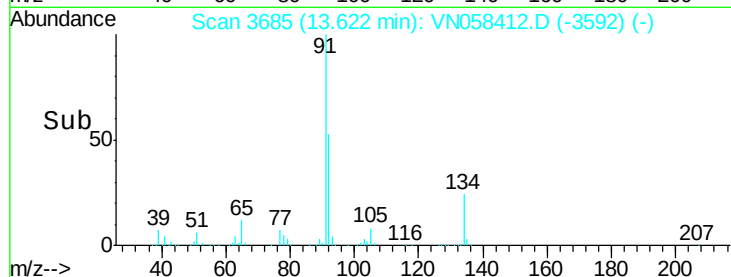
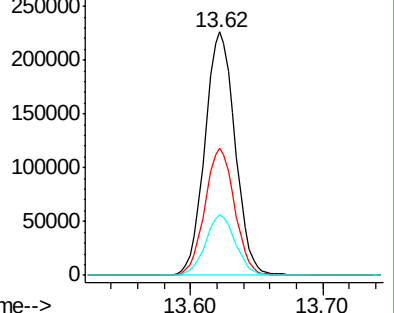
134 24.6 12.2 36.6



Abundance Ion 91.00 (90.70 to 91.70): VN058412.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058412.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058412.D (-3592) (-)



#90

Hexachloroethane

Concen: 22.817 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058412.D

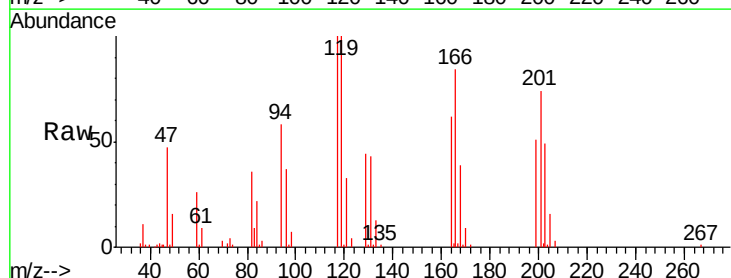
Acq: 27 Sep 2019 16:51

Tgt Ion: 117 Resp: 61465

Ion Ratio Lower Upper

117 100

201 73.8 38.6 116.0



Abundance Ion 116.80 (116.50 to 117.50): VN058412.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058412.D (-3673) (-)

Ion 201.40 (201.10 to 201.70): VN058412.D (-3673) (-)

Ion 202.70 (202.40 to 203.00): VN058412.D (-3673) (-)

Ion 204.00 (203.70 to 204.30): VN058412.D (-3673) (-)

Ion 205.30 (205.00 to 205.60): VN058412.D (-3673) (-)

Ion 206.60 (206.30 to 206.90): VN058412.D (-3673) (-)

Ion 207.90 (207.60 to 208.20): VN058412.D (-3673) (-)

Ion 209.20 (208.90 to 209.50): VN058412.D (-3673) (-)

Ion 210.50 (210.20 to 210.80): VN058412.D (-3673) (-)

Ion 211.80 (211.50 to 212.10): VN058412.D (-3673) (-)

Ion 213.10 (212.80 to 213.40): VN058412.D (-3673) (-)

Ion 214.40 (214.10 to 214.70): VN058412.D (-3673) (-)

Ion 215.70 (215.40 to 216.00): VN058412.D (-3673) (-)

Ion 217.00 (216.70 to 217.30): VN058412.D (-3673) (-)

Ion 218.30 (218.00 to 218.60): VN058412.D (-3673) (-)

Ion 219.60 (219.30 to 219.90): VN058412.D (-3673) (-)

Ion 220.90 (220.60 to 221.20): VN058412.D (-3673) (-)

Ion 222.20 (221.90 to 222.50): VN058412.D (-3673) (-)

Ion 223.50 (223.20 to 223.80): VN058412.D (-3673) (-)

Ion 224.80 (224.50 to 225.10): VN058412.D (-3673) (-)

Ion 226.10 (225.80 to 226.40): VN058412.D (-3673) (-)

Ion 227.40 (227.10 to 227.70): VN058412.D (-3673) (-)

Ion 228.70 (228.40 to 229.00): VN058412.D (-3673) (-)

Ion 230.00 (229.70 to 230.30): VN058412.D (-3673) (-)

Ion 231.30 (231.00 to 231.60): VN058412.D (-3673) (-)

Ion 232.60 (232.30 to 232.90): VN058412.D (-3673) (-)

Ion 233.90 (233.60 to 234.20): VN058412.D (-3673) (-)

Ion 235.20 (234.90 to 235.50): VN058412.D (-3673) (-)

Ion 236.50 (236.20 to 236.80): VN058412.D (-3673) (-)

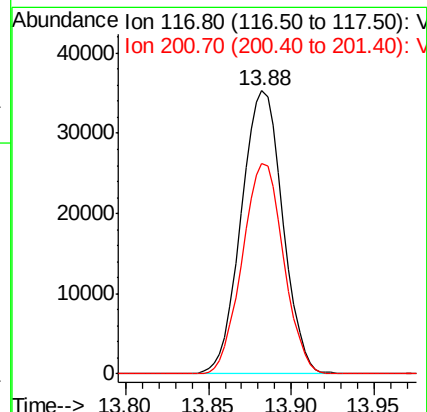
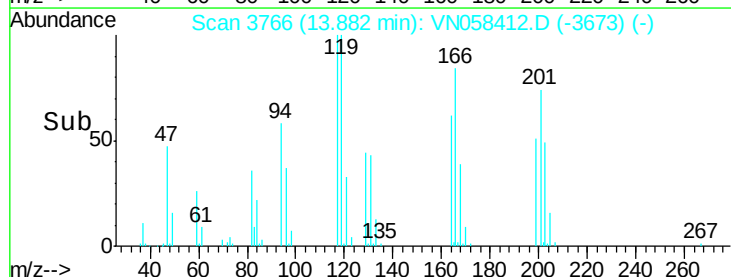
Ion 237.80 (237.50 to 238.10): VN058412.D (-3673) (-)

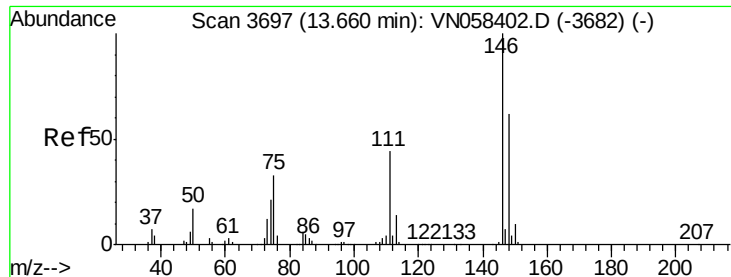
Ion 239.10 (238.80 to 239.40): VN058412.D (-3673) (-)

Ion 240.40 (240.10 to 240.70): VN058412.D (-3673) (-)

Ion 241.70 (241.40 to 242.00): VN058412.D (-3673) (-)

Ion 243.00 (242.70 to 243.30): VN058412.D (-3673) (-)

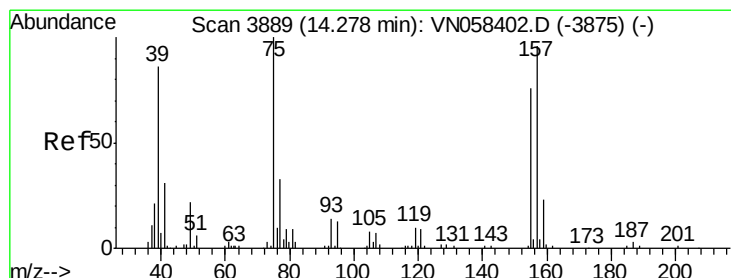
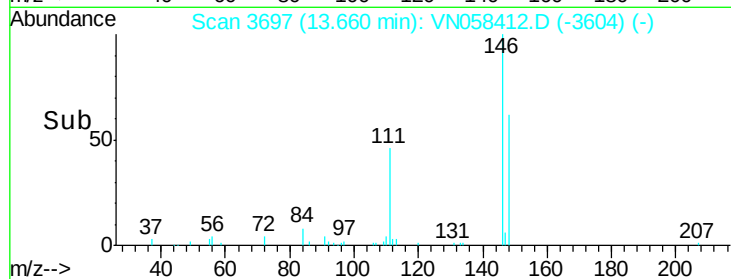
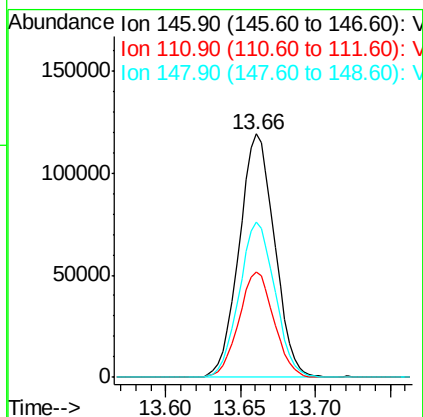
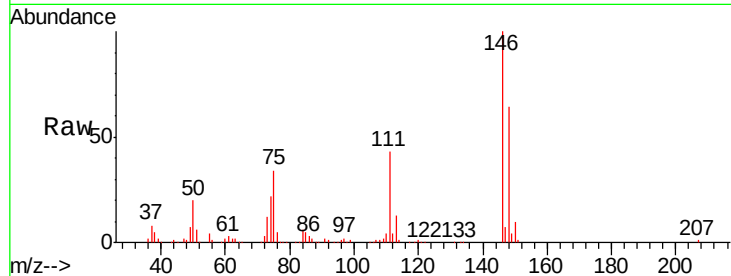




#91
 1,2-Dichlorobenzene
 Concen: 21.689 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

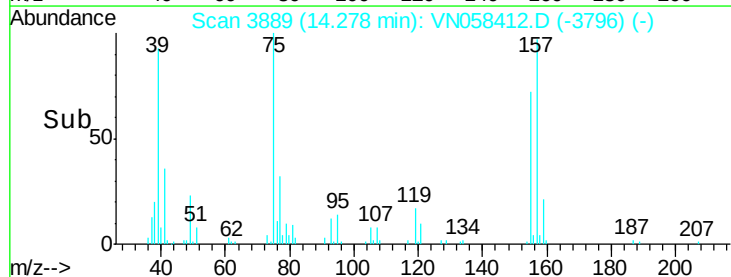
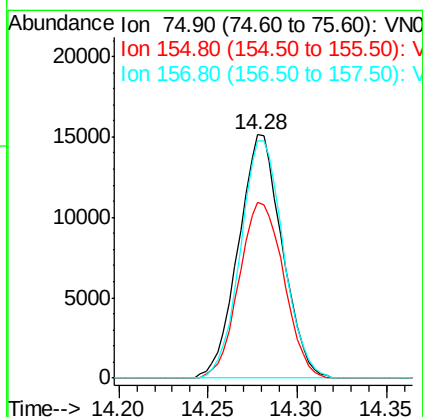
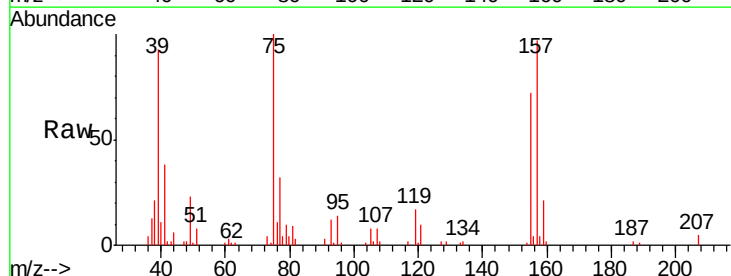
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

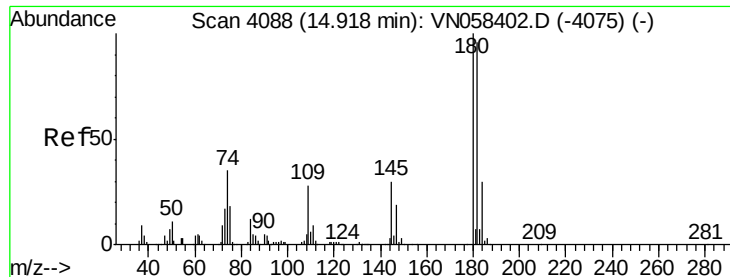
Tgt Ion: 146 Resp: 196544
 Ion Ratio Lower Upper
 146 100
 111 42.9 21.8 65.3
 148 64.1 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.953 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion: 75 Resp: 25936
 Ion Ratio Lower Upper
 75 100
 155 73.8 39.2 117.6
 157 95.9 48.7 146.1

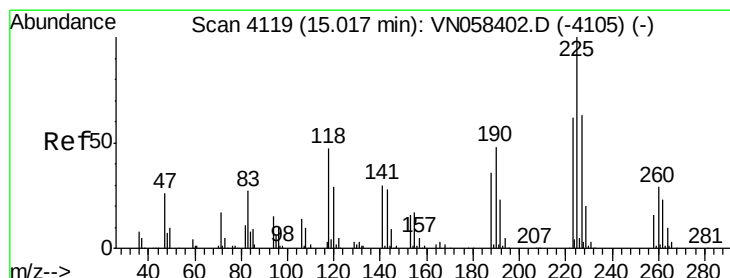
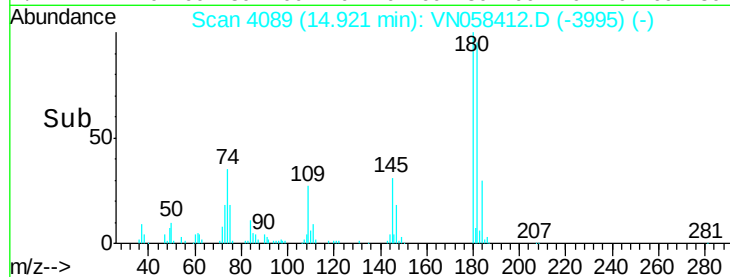
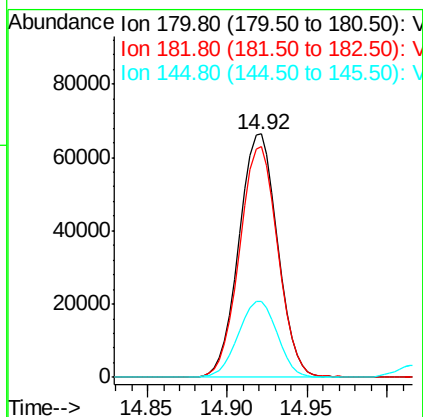
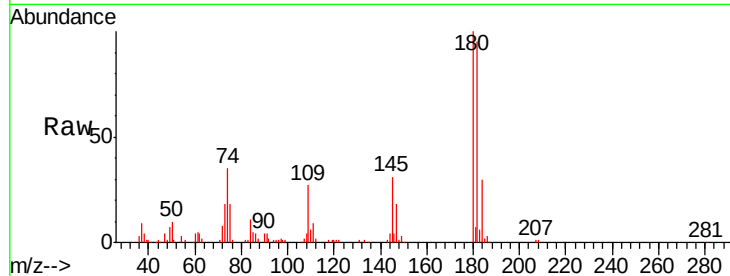




#93
 1,2,4-Trichlorobenzene
 Concen: 19.137 ug/l
 RT: 14.92 min Scan# 4089
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

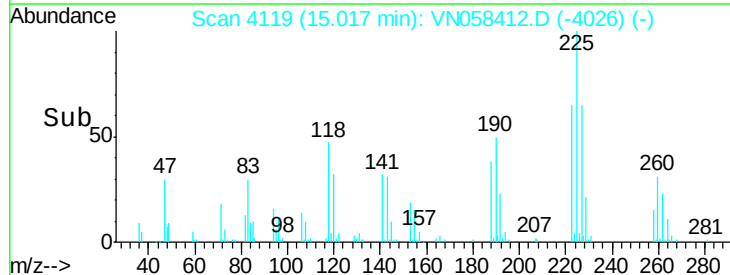
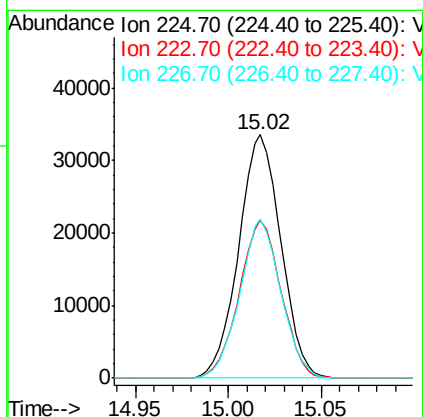
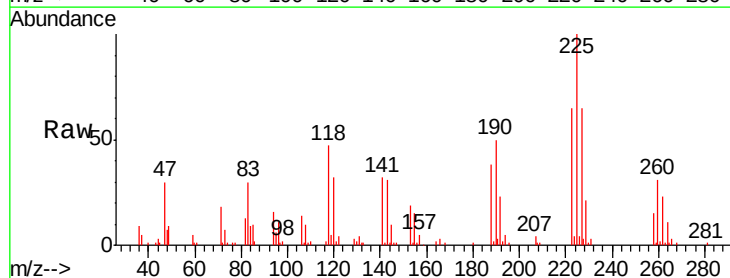
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0927WBS01

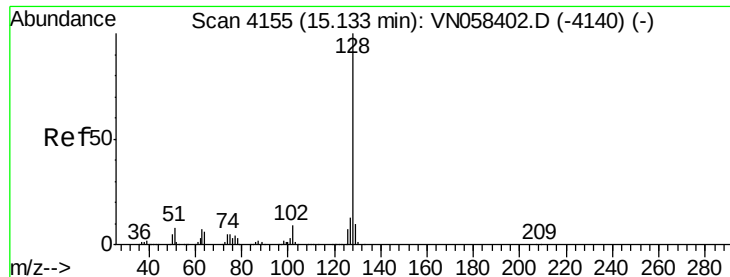
Tgt Ion:180 Resp: 109103
 Ion Ratio Lower Upper
 180 100
 182 94.3 47.4 142.3
 145 31.8 15.3 45.9



#94
 Hexachlorobutadiene
 Concen: 19.169 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058412.D
 Acq: 27 Sep 2019 16:51

Tgt Ion:225 Resp: 52913
 Ion Ratio Lower Upper
 225 100
 223 64.2 31.1 93.5
 227 63.6 31.4 94.2

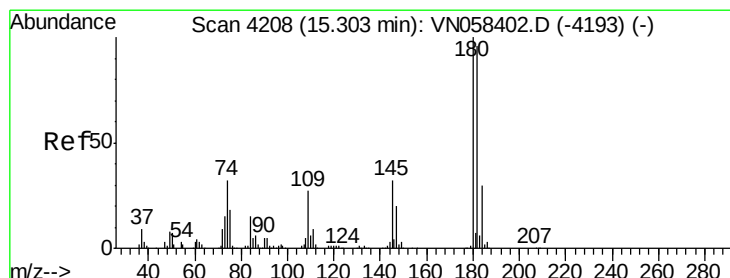
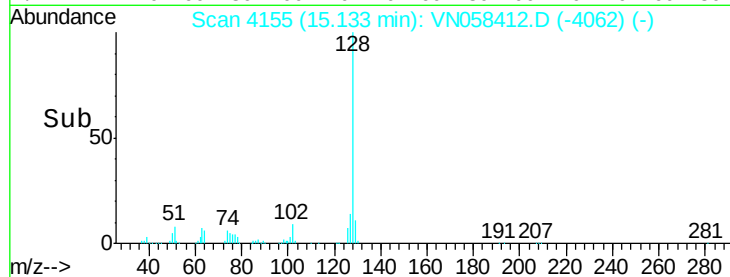
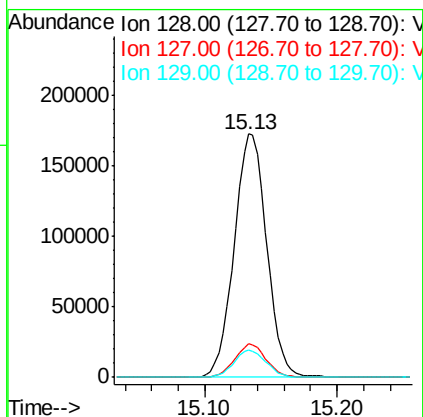
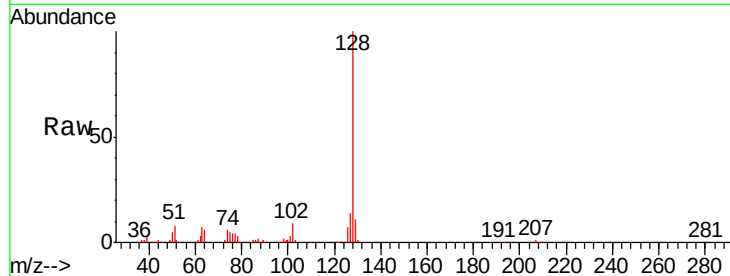




#95
Naphthalene
Concen: 19.921 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Instrument :
MSVOA_N
ClientSampleId :
VN0927WBS01

Tgt Ion:128 Resp: 293648
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 11.0 8.3 12.5



#96
1,2,3-Trichlorobenzene
Concen: 18.871 ug/l
RT: 15.30 min Scan# 4208
Delta R.T. 0.00 min
Lab File: VN058412.D
Acq: 27 Sep 2019 16:51

Tgt Ion:180 Resp: 101046
Ion Ratio Lower Upper
180 100
182 97.8 48.3 144.9
145 33.3 16.1 48.3

